

Test Report

Applicant : Shenzhen KaiDa technology digital co, LTD
Address : 4/F, building C, Yunli Zhigu, No. 9, Xincun Avenue Xuexiang,
Bantian Street, Longgang District, Shenzhen
Product Name : Tablet PC
Brand Mark : N/A
Model No. : D136
Series model : F101, F102, F103, F105, F106, F107, F108, F109, F110, F111
FCC ID : 2AX8U-D136
Report Number : BLA-EMC-202601-A1002
Date of Receipt : Jan. 08, 2026
Date of Test : Jan. 08, 2026 to Feb. 10, 2026
Test Standard : 47 CFR Part 15, Subpart C 15.247
Test Result : Pass

Compiled by:

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Review by:

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Approved by:

Blue Zheng

Issued Date: Mar. 25, 2026



BlueAsia Technical Services(Shenzhen) Co.,Ltd.

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyuan
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Table of Contents

1 General information	5
1.1 General information	5
1.2 General description of EUT	5
2 Test summary	7
3 Test Configuration	8
3.1 Test mode	8
3.2 Operation Frequency each of channel	8
3.3 Test channel	9
3.4 Configuration diagram of EUT	10
3.5 Auxiliary equipment	10
3.6 Test environment	10
4 Laboratory information	11
4.1 Laboratory and accreditations	11
4.2 Measurement uncertainty	11
5 Test equipment	12
6 Test result	15
6.1 Antenna requirement	15
6.2 Conducted emissions at AC power line (150 kHz-30 MHz)	16
6.3 Conducted peak output Power	20
6.4 20dB Bandwidth	21
6.5 Conducted Band Edges Measurement	22
6.6 Conducted spurious emissions	23
6.7 Carrier Frequencies Separation	24
6.8 Hopping Channel Number	25
6.9 Dwell Time	26
6.10 Radiated spurious emissions	27
6.11 Radiated emissions which fall in the restricted bands	38
7 Appendix A	45
7.1 Maximum Conducted Output Power	45
7.2 -20dB Bandwidth	51

7.3 Occupied Channel Bandwidth	57
7.4 Band Edge	63
7.5 Band Edge(Hopping)	70
7.6 Conducted RF Spurious Emission	77
7.7 Carrier Frequencies Separation	87
7.8 Number of Hopping Channel	90
7.9 Dwell Time	93
Appendix B: photographs of test setup	103
Appendix C: photographs of EUT	105

Revise Record

Version No.	Date	Description
01	Mar. 25, 2026	Original

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1 General information

1.1 General information

Applicant	Shenzhen KaiDa technology digital co, LTD
Address	4/F, building C, Yunli Zhigu, No. 9, Xincun Avenue Xuexiang, Bantian Street, Longgang District, Shenzhen
Manufacturer	Shenzhen KaiDa technology digital co, LTD
Address	4/F, building C, Yunli Zhigu, No. 9, Xincun Avenue Xuexiang, Bantian Street, Longgang District, Shenzhen
Factory	Shenzhen KaiDa technology digital co, LTD
Address	4/F, building C, Yunli Zhigu, No. 9, Xincun Avenue Xuexiang, Bantian Street, Longgang District, Shenzhen

1.2 General description of EUT

Product Name	Tablet PC	
Model No.	D136	
Serial Model	F101, F102, F103, F105, F106, F107, F108, F109, F110, F111	
Differences of Series model	they have the same circuit the only difference is appearance and size.	
Operation Frequency	2402MHz-2480MHz	
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK	
Rate data	1Mbps, 2Mbps, 3Mbps	
Channel Spacing	1MHz	
Number of Channels	79	
Antenna Type	FPC antenna	
Antenna Gain	1.9dBi(Provided by customer)	
Power supply	Adapter	MODEL: K-T100502000U INPUT: 100-240VAC, 50-60Hz 0.35A Max OUTPUT: 5.0V, 2000mA
	Battery DC 3.8V	
Test Voltage	DC 3.8V	

Hardware Version	N/A
Software Version	N/A
<i>Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.</i>	

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2 Test summary

No.	Test item	FCC standard	Test Method(Clause)	Result
1	Antenna Requirement	§15.203	N/A	Pass
2	Conducted Emissions at AC Power Line (150kHz-30MHz)	§15.207	ANSI C63.10-2020+Cor.1-2023 Clause 6.2	Pass
3	Conducted Peak Output Power	§ 15.247 (b)(1)	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.5	Pass
4	20dB Bandwidth	§ 15.247 (a)(1)	ANSI C63.10-2020+Cor.1-2023 Clause 6.9.2	Pass
5	Conducted Band Edges Measurement	§ 15.247 (d)	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.6	Pass
6	Conducted Spurious Emissions	§ 15.247 (d)	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.8	Pass
7	Carrier Frequencies Separation	§ 15.247 (a)(1)	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.2	Pass
8	Hopping Channel Number	§ 15.247 (a)(1) (iii)	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.3	Pass
9	Dwell Time	§ 15.247 (a)(1) (iii)	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.4	Pass
10	Radiated Spurious Emissions	§ 15.247 (d) § 15209	ANSI C63.10-2020+Cor.1-2023 Clause 6.4,6.5,6.6	Pass
11	Radiated Emissions which fall in the restricted bands	§ 15.247 (d) § 15.205	ANSI C63.10-2020+Cor.1-2023 Clause 6.10.5	Pass

3 Test Configuration

3.1 Test mode

Test Mode ^{Note 1}	Description
TX	Keep the EUT in continuously transmitting mode with modulation. (hopping and non-hopping mode all have been tested)
RX	Keep the EUT in receiving mode
TX Low channel	Keep the EUT in continuously transmitting mode in low channel
TX middle channel	Keep the EUT in continuously transmitting mode in middle channel
TX high channel	Keep the EUT in continuously transmitting mode in high channel

Note 1: The EUT was configured to measure its highest possible emission and/or immunity level. The test modes were adapted according to the operation manual for use; the EUT was operated in the engineering mode ^{Note 2} to fix the TX or Rx frequency that was for the purpose of the measurements.

Note 2: Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

Power level setup in software			
Test Software Name	Default		
Mode	Channel	Frequency (MHz)	Soft Set
TX	CH00	2402	TX level : Default
	CH39	2441	
	CH78	2480	

3.2 Operation Frequency each of channel

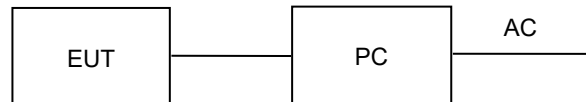
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz

5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz
6	2408MHz	26	2428MHz	46	2448MHz	66	2468MHz
7	2409MHz	27	2429MHz	47	2449MHz	67	2469MHz
8	2410MHz	28	2430MHz	48	2450MHz	68	2470MHz
9	2411MHz	29	2431MHz	49	2451MHz	69	2471MHz
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
12	2414MHz	32	2434MHz	52	2454MHz	72	2474MHz
13	2415MHz	33	2435MHz	53	2455MHz	73	2475MHz
14	2416MHz	34	2436MHz	54	2456MHz	74	2476MHz
15	2417MHz	35	2437MHz	55	2457MHz	75	2477MHz
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz	--	

3.3 Test channel

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2441MHz
The Highest channel	2480MHz

3.4 Configuration diagram of EUT



3.5 Auxiliary equipment

Device Type	Manufacturer	Model Name	Serial No.	Remark
/	/	/	/	/

Note:

--" mean no any auxiliary device during testing.

3.6 Test environment

Environment	Temperature	Voltage
Normal	25°C	DC 3.8V

4 Laboratory information

4.1 Laboratory and accreditations

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

Company name:	BlueAsia Technical Services(Shenzhen) Co., Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
Test Firm Registration No.:	923526
ISED CAB identifier No.:	CN0028
Registration No.:	24243
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

4.2 Measurement uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

Parameter	Expanded Uncertainty
Radiated Emission(9kHz-30MHz)	$\pm 4.34\text{dB}$
Radiated Emission(30Mz-1000MHz)	$\pm 4.24\text{dB}$
Radiated Emission(1GHz-18GHz)	$\pm 4.68\text{dB}$
AC Power Line Conducted Emission(150kHz-30MHz)	$\pm 3.45\text{dB}$
Occupied Channel Bandwidth	$\pm 5\%$
RF output power, conducted	$\pm 1.5\text{dB}$
Power Spectral Density, conducted	$\pm 3.0\text{dB}$
Unwanted Emissions, conducted	$\pm 3.0\text{dB}$
Temperature	$\pm 3\text{ }^{\circ}\text{C}$
Supply voltages	$\pm 3\%$
Time	$\pm 5\%$

5 Test equipment

Radiated Spurious Emissions (Below 1GHz)

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-002-01	Anechoic chamber	9*6*6 chamber	SKET	N/A	2024/3/27	2027/3/26
BLA-EMC-002-02	Control room	966 control room	SKET	N/A	2024/3/27	2027/3/26
BLA-EMC-009	EMI receiver	ESR7	R&S	101199	2025/08/05	2026/08/04
BLA-EMC-043	Loop antenna	FMZB1519B	Schwarzbeck	00102	2024/06/29	2026/06/28
BLA-EMC-065	Broadband antenna	VULB9168	Schwarzbeck	01065P	2025/06/09	2026/06/08
BLA-XC-01	Coaxial Cable	N/A	BlueAsia	V01	N/A	N/A
BLA-XC-02	Coaxial Cable	N/A	BlueAsia	V02	N/A	N/A

Radiated Spurious Emissions (Above 1GHz)

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-001-01	Anechoic chamber	9*6*6 chamber	SKET	N/A	2023/11/16	2026/11/15
BLA-EMC-001-02	Control Room	966 control room	SKET	N/A	2025/11/12	2026/11/11
BLA-EMC-008	Spectrum	FSP40	R&S	100817	2025/08/05	2026/08/04
BLA-EMC-013	Horn Antenna	BBHA9120D	Schwarzbeck	01892	2024/06/29	2026/06/28
BLA-EMC-014	Amplifier	PA_000318G-45	SKET	PA2018043003	2025/08/05	2026/08/04
BLA-EMC-046	Filter bank	2.4G/5G Filter bank	SKET	N/A	2025/06/09	2026/06/08
BLA-EMC-061	Receiver	ESPI7	R&S	101477	2025/06/09	2026/06/08
BLA-EMC-066	Amplifier	LNPA_30M01G-30	SKET	SK2021060801	2025/06/09	2026/06/08
BLA-EMC-086	Amplifier	LNPA_18G40G-50dB	SKET	SK2022071301	2025/06/09	2026/06/08
BLA-EMC-087	Horn Antenna	BBHA 9170	Schwarzbeck	1106	2024/06/29	2026/06/28
BLA-XC-03	Coaxial Cable	N/A	BlueAsia	V03	N/A	N/A
BLA-XC-04	Coaxial Cable	N/A	BlueAsia	V04	N/A	N/A

Conducted Emissions

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-003-001	Shield room	8*3*3	SKET	N/A	2025/11/12	2026/11/11
BLA-EMC-009	EMI receiver	ESR7	R&S	101199	2025/08/05	2026/08/04
BLA-EMC-011	LISN	ENV216	R&S	101372	2025/08/05	2026/08/04
BLA-EMC-033	Impedance transformer	DC-2GHz	DFXP	N/A	2025/06/09	2026/06/08
BLA-EMC-041	LISN	AT166-2	ATTEN	AKK180600003	2025/08/05	2026/08/04
BLA-EMC-045	Impedance stable network	ISNT8-cat 6	TESEQ	53580	2025/08/05	2026/08/04
BLA-EMC-095	Single-channel vehicle artificial power network	NNBM 8124	Schwarzbeck	01045	2025/06/09	2026/06/08
BLA-EMC-096	Single-channel vehicle artificial power network	NNBM 8124	Schwarzbeck	01075	2025/06/09	2026/06/08
BLA-XC-05	Coaxial Cable	N/A	BlueAsia	V05	N/A	N/A

RF conducted

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-003-003	Shield room	5*3*3	SKET	N/A	2025/11/12	2026/11/11
BLA-EMC-016	Signal Generator	N5182A	Agilent	MY52420567	2025/06/09	2026/06/08
BLA-EMC-038	Spectrum	N9020A	Agilent	MY49100060	2025/08/05	2026/08/04
BLA-EMC-042	Power sensor	RPR3006W	DARE	14I00889SN042	2025/08/05	2026/08/04
BLA-EMC-044	Radio communication tester	CMW500	R&S	132429	2025/08/05	2026/08/04
BLA-EMC-064	Signal Generator	N5182B	KEYSIGHT	MY58108892	2025/06/09	2026/06/08

BLA-EMC-079	Spectrum	N9020A	Agilent	MY544201 61	2025/08/05	2026/08/04
BLA-EMC-088	Audio Analyzer	ATS-1	Audio Precision	ATS14109 4	2025/06/09	2026/06/08

Test Software Record:

Software No.	Software Name	Manufacture	Software version	Test site
BLA-EMC-S001	EZ-EMC	EZ	EEMC-3A1+	RE
BLA-EMC-S002	EZ-EMC	EZ	EEMC-3A1+	RE
BLA-EMC-S003	EZ-EMC	EZ	EEMC-3A1+	CE
BLA-EMC-S010	MTS 8310	MW	2.0.0.0	RF

6 Test result

6.1 Antenna requirement

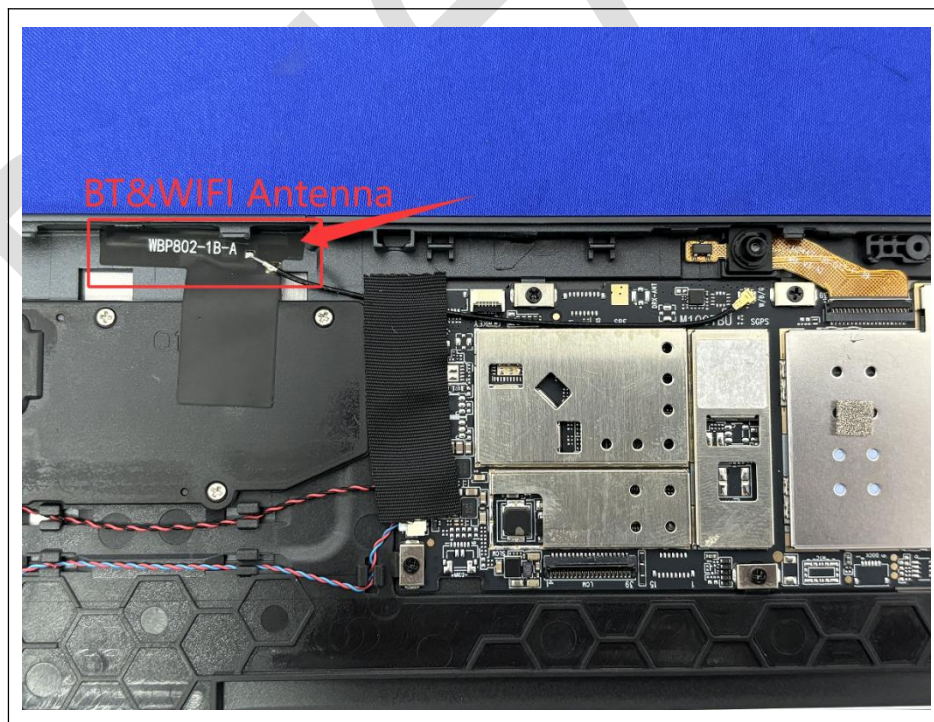
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

6.1.1 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of a so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT antenna:

The antenna is FPC antenna. The best case gain of the antenna is 1.9dBi.



6.2 Conducted emissions at AC power line (150 kHz-30 MHz)

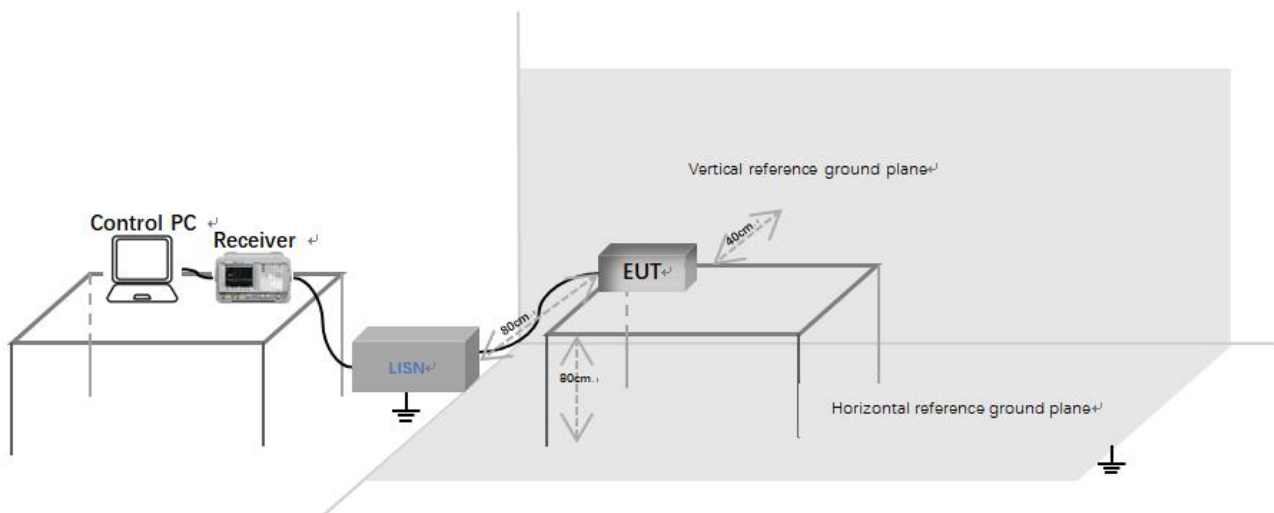
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10-2020+Cor.1-2023 Section 6.2
Test Mode (Pre-Scan)	Charging+TX
Test Mode (Final Test)	Charging+TX

6.2.1 Limit

Frequency of emission(MHz)	Conducted limit(dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

6.2.2 Test setup



Description of test setup connection:

- Connect the control PC to the receiver through a USB to GPIB cable;
- The receiver is connected to the LISN through a coaxial line;
- Connect the power port of LISN to the EUT.

6.2.3 Procedure

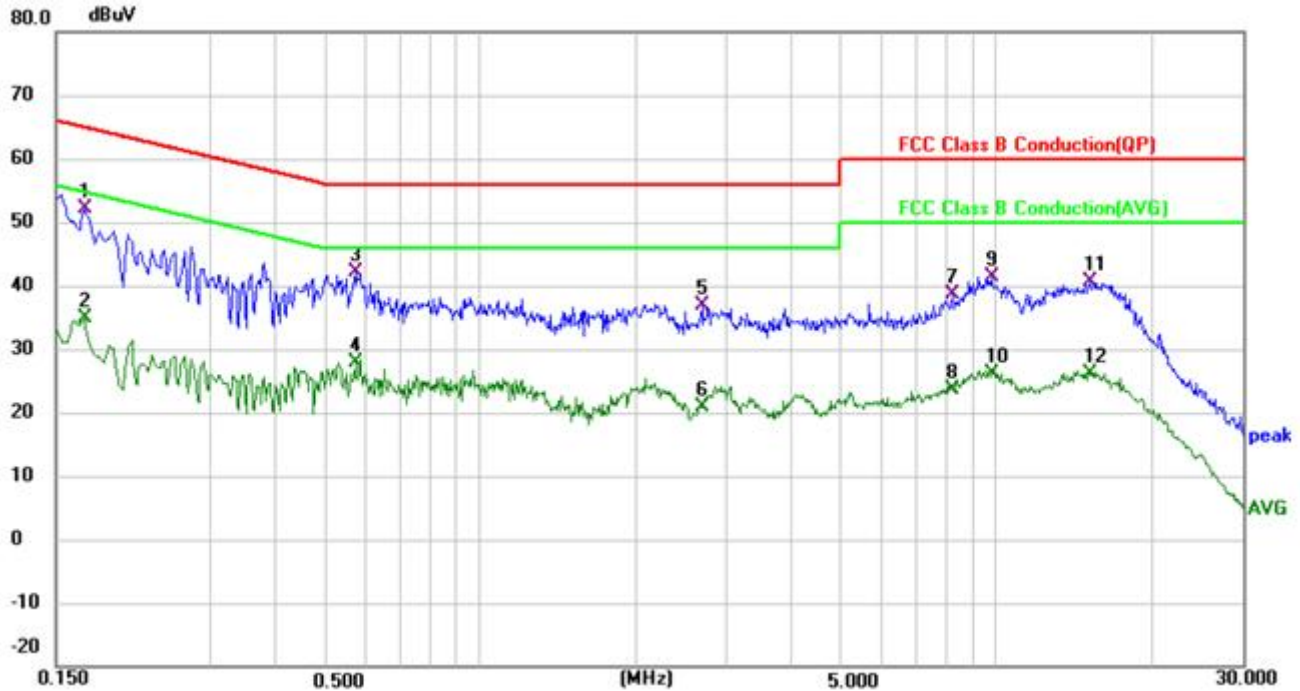
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

LISN=Read Level+ Cable Loss+ LISN Factor

6.2.4 Test data

Worst case: GFSK

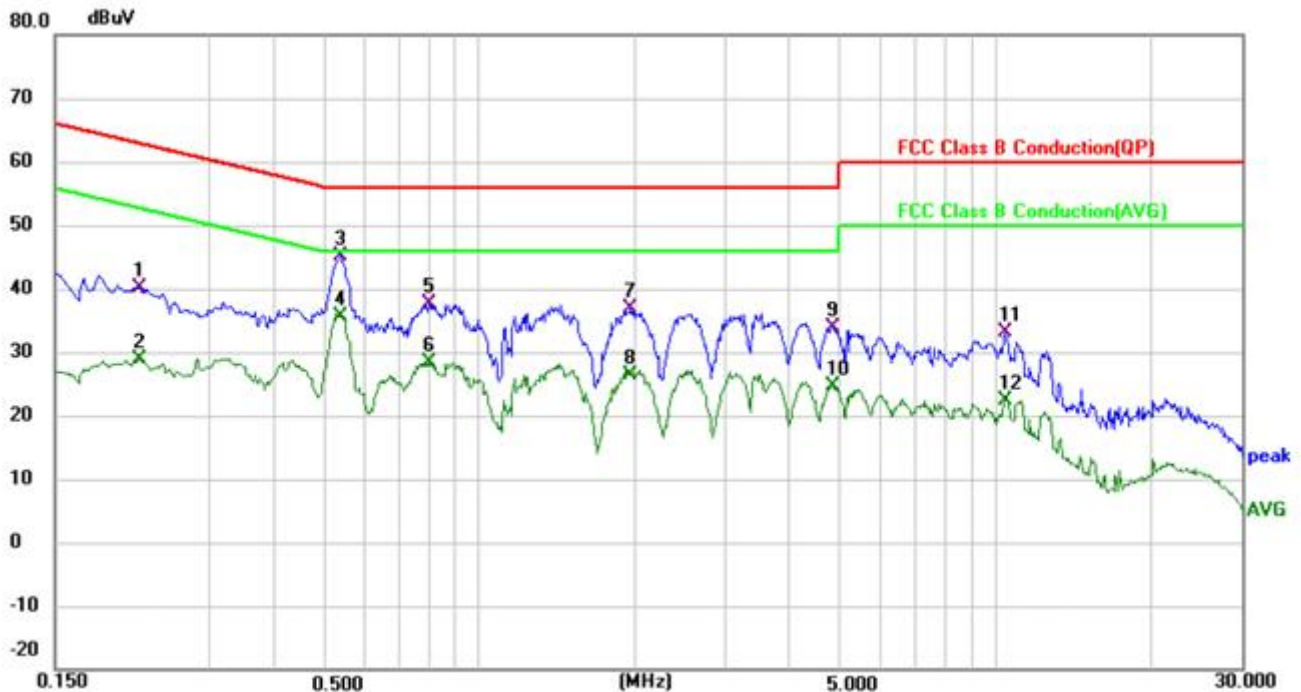
[Test Mode: Charging+TX-2441MHz]; [Line: Line];[Voltage:AC 120V/60Hz]



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1700	42.26	9.98	52.24	64.96	-12.72	QP
2		0.1700	24.88	9.98	34.86	54.96	-20.10	AVG
3		0.5700	32.34	9.73	42.07	56.00	-13.93	QP
4		0.5700	18.22	9.73	27.95	46.00	-18.05	AVG
5		2.6860	26.99	9.88	36.87	56.00	-19.13	QP
6		2.6860	10.91	9.88	20.79	46.00	-25.21	AVG
7		8.1940	28.04	10.48	38.52	60.00	-21.48	QP
8		8.1940	13.27	10.48	23.75	50.00	-26.25	AVG
9		9.7739	40.45	0.96	41.41	60.00	-18.59	QP
10		9.7739	25.15	0.96	26.11	50.00	-23.89	AVG
11		15.1700	28.94	11.65	40.59	60.00	-19.41	QP
12		15.1700	14.41	11.65	26.06	50.00	-23.94	AVG

Test Result: Pass

[Test Mode: Charging+TX-2441MHz]; [Line: Neutral] ;[Voltage:AC 120V/60Hz]



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	0.2180	30.22	10.00	40.22	62.89	-22.67	QP
2	0.2180	18.85	10.00	28.85	52.89	-24.04	AVG
3	0.5380	35.63	9.62	45.25	56.00	-10.75	QP
4 *	0.5380	25.90	9.62	35.52	46.00	-10.48	AVG
5	0.7980	27.87	9.64	37.51	56.00	-18.49	QP
6	0.7980	18.63	9.64	28.27	46.00	-17.73	AVG
7	1.9620	27.16	9.68	36.84	56.00	-19.16	QP
8	1.9620	16.64	9.68	26.32	46.00	-19.68	AVG
9	4.8340	24.21	9.77	33.98	56.00	-22.02	QP
10	4.8340	14.98	9.77	24.75	46.00	-21.25	AVG
11	10.4300	23.30	9.90	33.20	60.00	-26.80	QP
12	10.4300	12.38	9.90	22.28	50.00	-27.72	AVG

Test Result: Pass

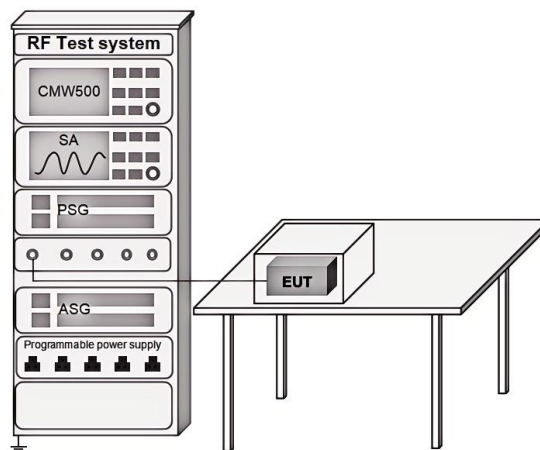
6.3 Conducted peak output Power

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10-2020+Cor.1-2023 Section 11.9.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.3.1 Limit

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

6.3.2 Test setup



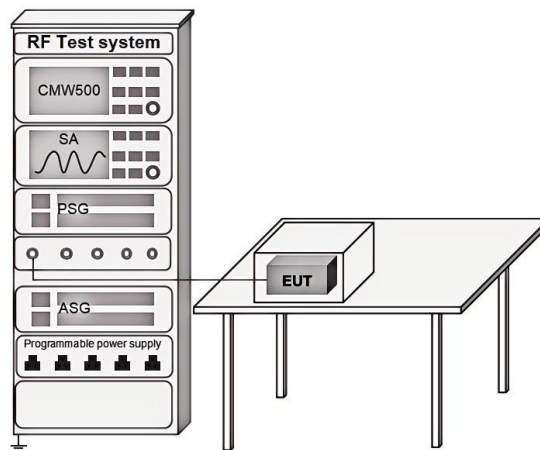
6.3.3 Test data

Pass: Please refer to appendix A for details

6.4 20dB Bandwidth

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10-2020+Cor.1-2023 Section 6.9.2& 7.8.7
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.4.1 Test setup



6.4.2 Test data

Pass: Please refer to appendix A for details

6.5 Conducted Band Edges Measurement

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10-2020+Cor.1-2023 Section 6.10.4
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.5.1 Limit

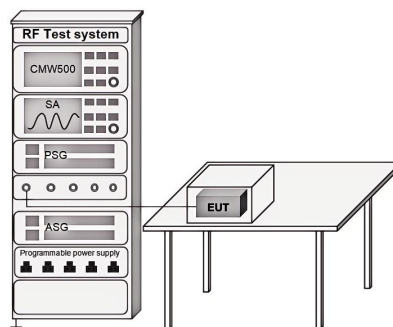
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20dB.

Attenuation below the general limits specified in §15.209(a) is not required.

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

6.5.2 Test setup



6.5.3 Test data

Pass: Please refer to appendix A for details

6.6 Conducted spurious emissions

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10-2020+Cor.1-2023 Section 7.8.8
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.6.1 Limit

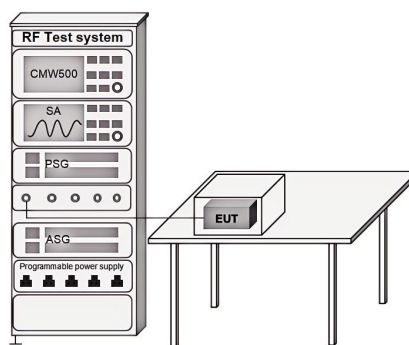
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20dB.

Attenuation below the general limits specified in §15.209(a) is not required.

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

6.6.2 Test setup



6.6.3 Test data

Pass: Please refer to appendix A for details

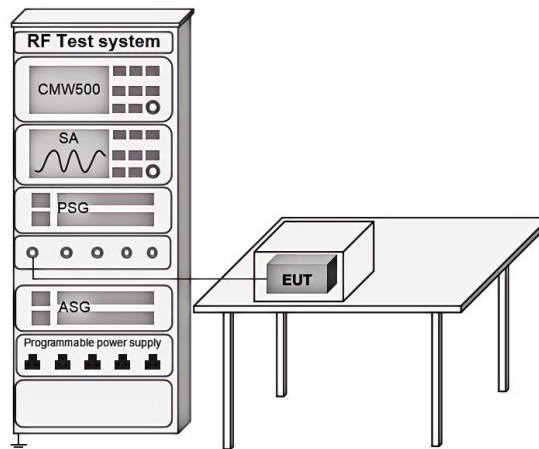
6.7 Carrier Frequencies Separation

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10-2020+Cor.1-2023 Section 7.8.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.7.1 Limit

2/3 of the 20dB bandwidth base on the transmission power is less than 0.125W

6.7.2 Test setup



6.7.3 Test data

Pass: Please refer to appendix A for details

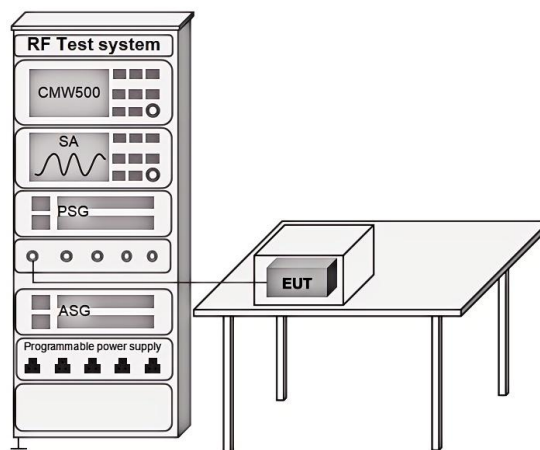
6.8 Hopping Channel Number

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10-2020+Cor.1-2023 Section 7.8.3
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.8.1 Limit

Frequency range(MHz)	Number of hopping channels (minimum)
902-928	50 for 20dB bandwidth <250kHz
	25 for 20dB bandwidth ≥250kHz
2400-2483.5	15
5725-5850	75

6.8.2 Test setup



6.8.3 Test data

Pass: Please refer to appendix A for details