FCC Test Report

Report No.: AGC14499240405FR01B

FCC ID	:	2BCUQ-W610D
APPLICATION PURPOSE	:	Class II Permissive Change
PRODUCT DESIGNATION	:	Portable DECT Phone
BRAND NAME	:	LINKVIL
MODEL NAME	:	W610D, W610DP, W710P, W610P
APPLICANT	:	Fanvil Link Technology Co.,LTD
DATE OF ISSUE	:	Jun. 23, 2025
STANDARD(S)	:	FCC Part 15 Subpart D §15.323
REPORT VERSION	:	V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jun. 23, 2025	Valid	Initial Release

Note: The original test report AGC14499240405FR01 (dated Jun. 14, 2024 and tested from May 06, 2024~Jun. 12, 2024) was modified on Jun. 23, 2025, including the following changes and additions:

-Updated the names and addresses of the applicant and manufacturer

-Added a battery, see below for details:

Original:

Battery 1# Information	Model: YJ563170 Rated Voltage & Cap.: DC 3.8V 1900mA 7.22Wh Manufacturer name: YJ

Increases:

Battery 2# Information	Model: 543171PN3 Rated Voltage & Cap.: DC 3.8V, 1900mAh, 7.22Wh Manufacturer name: Chongqing VDL New Energy Co., Ltd.

For the above change (s), it is considered necessary to add the following tests:

Clause	Testing
§15.319(g), §15.323(d) §15.209(a), §15.109(a)	Radiated Emission
§15.207, §15.315	AC Power Line Conducted Emission

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1. General Information

Applicant	Fanvil Link Technology Co.,LTD
Address	13th Floor, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, Guangdong, 518000 China
Manufacturer	Fanvil Link Technology Co.,LTD
Address	13th Floor, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, Guangdong, 518000 China
Product Designation	Portable DECT Phone
Brand Name	LINKVIL
Test Model	W610D
Series Model	W610DP, W710P, W610P
Difference Description	Only the model names are different.
Date of receipt of test item	May 06, 2024
Date of Test	May 06, 2024~Jun. 12, 2024
Deviation from Standard	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Test Report Form No	AGCER-FCC-DECT-V1

Note: The test results of this report relate only to the tested sample identified in this report.

Prepared By	Bibo Zhang (Project Engineer)	Jun. 23, 2025
Reviewed By	Jack Gui (Reviewer)	Jun. 23, 2025
Approved By	Angela Li (Authorized Officer)	Jun. 23, 2025

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2. Product Information

2.1 Product Technical Description

Equipment Type	Portable Part (PP)
Frequency Band	1920 MHz to 1930 MHz
Operation Frequency Range	1921.536 MHz to 1928.448 MHz
Hardware Version	V1.0
Software Version	T0.4.8.5
Type of Modulation	Digital (Gaussian Frequency Shift Keying)
Modulation Technique	GFSK
Number of channels	5 RF Channels, 5 × 12 = 60 TDMA Duplex Channels
Channel Separation	1728 kHz
Emission Designator	F7D
Maximum Transmitter Power	18.15dBm for conducted power 20.82dBm for EIRP
Antenna Designation	Integral Antenna
Antenna Gain	4.6dBi
Power Supply	DC 3.8V, 1900mAh by battery or charging for DC 5V by adapter

2.2 Test Frequency List

Frequency Band	Channel Number	Frequency
1920~1930MHz	0	1928.448 MHz
	1	1926.720 MHz
	2	1924.992 MHz
	3	1923.264 MHz
	4	1921.536 MHz
Note: All channels operation in the 1920-1930 MHz band, meeting the requirement of FCC 47 CFR Part 15.303		

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2.3 Related Submittal(S) / Grant (S)

This submittal(s) (test report) is intended for FCC ID: **2BCUQ-W610D,** filing to comply with Part 2, Part 15 of the Federal Communication Commission rules.

2.4 Test Methodology

The tests were performed according to following standards:

No.	Identity	Document Title
1	FCC 47 CFR Part 2	Frequency allocations and radio treaty matters; general rules and regulations
2	FCC 47 CFR Part 15	Radio Frequency Devices
3	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
4	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices
5	ANSI C63.17-2013	American National Standard Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices

2.5 Automatic Discontinuation of Transmission

Does the EUT transmit Control and Signaling Information?

☒ Yes	☐ No

Type of EUT:

☐ Initiating Device	☒ Responding Device

The following tests simulate the reaction of the EUT in case of either absence of information to transmit or operational failure after a connection with the companion device is established.

No.	Test	EUT Reaction	Results
1	Power removed: EUT	A	Pass
2	Switch Off: EUT	N/A	Pass
3	Hook-On: EUT	N/A	Pass
4	Power Removed: Companion Device	B	Pass
5	Switch Off: Companion Device	B	Pass
6	Hook-On: Companion Device	B	Pass

Note:
A - Connection breakdown, Cease of all transmissions
B - Connection breakdown, EUT transmits control and signaling information
C - Connection breakdown, Companion Device transmits control and signaling information
N/A : Not Applicable (EUT does not have On/Off switch and cannot perform Hook-On)

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2.6 Digital Modulation Techniques

The test sample is an isochronous digital modulated device that operates in 1920-1930 MHz band. This device bases on DECT technology described in European Standards EN 300 175-2 and EN 300 175-3, now operating in frequency channels mentioned above.

The operating modes are MC/TDMA/TDD (Multi carrier / Time Division Multiple Access / Time Division Duplex) using Digital GFSK (Gaussian Frequency Shift Keying) modulation.

For further details see operational description provided by manufacturer.

2.7 Special Accessories

Not available for this EUT intended for grant.

2.8 Equipment Modifications

Not available for this EUT intended for grant.

2.9 Antenna Requirement

Standard Requirement
15.203 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 a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 non-detachable antenna inside the device cannot be replaced by the user at will. The gain of the antenna is 4.6dBi.

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3. Test Environment

3.1 Address of The Test Laboratory

Laboratory: Attestation of Global Compliance (Shenzhen) Co., Ltd.

Address:1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

3.2 Test Facility

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

CNAS-Lab Code: L5488

Attestation of Global Compliance (Shenzhen) Co., Ltd. has been assessed and proved to follow CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories.)

A2LA-Lab Cert. No.: 5054.02

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to follow ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 975832

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files with Registration 975832.

IC-Registration No.: 24842(CAB identifier: CN0063)

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Certification and Engineering Bureau of Industry Canada. The acceptance letter from the IC is maintained in our files with Registration 24842.

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3.3 Environmental Conditions

	Normal Conditions	Extreme Conditions
Temperature range (℃)	15 - 35	-20 - 45
Relative humidity range	20 % - 75 %	20 % - 75 %
Pressure range (kPa)	86 - 106	86 - 106
Power supply	DC 3.8V	LV DC 3.23V/HV DC 4.37V
Note: The Extreme Temperature and Extreme Voltages declared by the manufacturer.		

3.4 Measurement Uncertainty

The reported uncertainty of measurement y ±U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Item	Measurement Uncertainty
Uncertainty of Conducted Emission for AC Port	U_c = ±2.9 dB
Uncertainty of Radiated Emission below 1GHz	U_c = ±3.9 dB
Uncertainty of Radiated Emission above 1GHz	U_c = ±4.9 dB
Uncertainty of total RF power, conducted	U_c = ±0.8 dB
Uncertainty of RF power density, conducted	U_c = ±2.6 dB
Uncertainty of spurious emissions, conducted	U_c = ±2 %
Uncertainty of Occupied Channel Bandwidth	U_c = ±2 %

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3.5 List of Equipment Used

● RF Conducted Test System							
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
☒	AGC-ER-E087	Spectrum Analyzer	KEYSIGHT	N9020B	MY56101792	2023-05-25	2025-05-24
☒	AGC-ER-E087	Spectrum Analyzer	KEYSIGHT	N9020B	MY56101792	2024-05-23	2025-05-22
☒	AGC-ER-E075	Small Environmental Tester	SH-242	ESPEC	93008290	2022-08-03	2024-08-02
☒	--	Universal Switch Control Unit	Tonscend	JS	N/A	N/A	N/A
☒	AGC-ER-E037	Signal Generator	Agilent	N5182A	MY50140530	2024-05-23	2025-05-22
☒	AGC-ER-E040	Signal Generator	Agilent	N8257D	MY45141029	2023-03-03	2025-03-02
☒	AGC-ER-E033	RF Test Plat (DECT)	RTX	RTX-2012-HS-RF	N/A	2022-08-04	2024-08-03
☒	--	RF Connection Cable	N/A	1#	N/A	Each time	N/A
☒	--	RF Connection Cable	N/A	2#	N/A	Each time	N/A

● Radiated Spurious Emission							
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
☒	AGC-EM-E116	EMI Test Receiver	R&S	ESCI	100034	2024-05-24	2025-05-23
☒	AGC-EM-E061	Spectrum Analyzer	Agilent	N9010A	MY53470504	2024-05-28	2025-05-27
☒	AGC-EM-E086	Loop Antenna	ZHINAN	ZN30900C	18051	2024-03-05	2026-03-04
☒	AGC-EM-E005	Wideband Antenna	SCHWARZBECK	VULB9168	VULB9168-494	2023-01-05	2025-01-04
☒	AGC-EM-E102	Broadband Ridged Horn Antenna	ETS	3117	00154520	2023-06-03	2025-06-02
☐	AGC-EM-E082	Horn Antenna	SCHWARZBECK	BBHA 9170	#768	2023-09-24	2025-09-23
☒	AGC-EM-E146	Pre-amplifier	ETS	3117-PA	00246148	2022-08-04	2024-08-03
☒	AGC-EM-A116	Band Stop Filter (1850-1950MHz)	MICRO-TRONICS	BRC50720	N/A	2024-05-23	2025-05-22
☒	AGC-EM-A091	High Pass Filter 2 (1200-18000MHz)	N/A	N/A	N/A	2024-05-23	2025-05-22
☒	AGC-EM-A138	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	N/A	N/A
☐	AGC-EM-A139	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	N/A	N/A

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● AC Power Line Conducted Emission							
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
☒	AGC-EM-E045	EMI Test Receiver	R&S	ESPI	101206	2023-06-03	2024-06-02
☒	AGC-EM-E045	EMI Test Receiver	R&S	ESPI	101206	2024-05-28	2025-05-27
☒	AGC-EM-A130	6dB Attenuator	Eeatsheep	LM-XX-6-5W	DC-6GZ	2023-06-09	2025-06-08
☒	AGC-EM-E023	AMN	R&S	100086	ESH2-Z5	2023-06-03	2024-06-02
☒	AGC-EM-E023	AMN	R&S	100086	ESH2-Z5	2024-05-28	2025-05-27

● Test Software					
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Version Information
☒	AGC-EM-S011	RSE Test System	Tonscend	TS^+ Ver2.1(JS36-RSE)	4.0.0.0
☒	AGC-EM-S003	RE Test System	FARA	EZ-EMC	V.RA-03A
☒	AGC-EM-S001	CE Test System	R&S	ES-K1	V1.71

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4.System Test Configuration

4.1 EUT Configuration

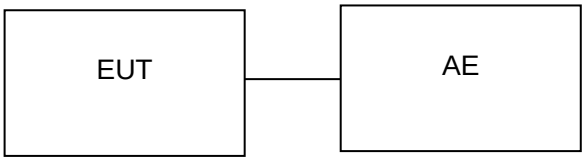
The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

4.2 EUT Exercise

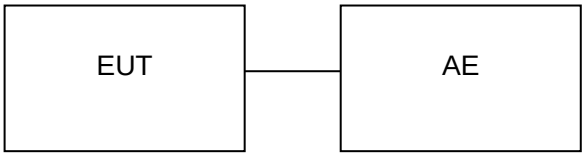
The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

4.3 Configuration of Tested System

Radiated Emission Configure:



Conducted Emission Configure:



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4.4 Equipment Used in Tested System

The following peripheral devices and interface cables were connected during the measurement:

☒ Test Accessories Come From The Laboratory

No.	Equipment	Manufacturer	Model No.	Specification Information	Cable
1	Earphone	CXT	N/A	N/A	1.2m unshielded

☒ Test Accessories Come From The Manufacturer

No.	Equipment	Manufacturer	Model No.	Specification Information	Cable
1	Adapter 1#	Dongguan City Gangqi Electronic Co. LTD.	GQ12-050200-AU	Input: 100-240V~ 50/60Hz, 0.4A Output: DC 5V⎓2A	1.3m unshielded
2	Adapter 2#	CHENZHOU FRECOM ELECTRONICS CO., LTD	F12L20-050200SPAU	Input: 100-240V~ 50/60Hz 0.3A Output: 5V⎓2A	1.3m unshielded
3	Bottom socket power supply	LINVIL	N/A	Input: DC 5V 2A Output: DC 4.35V	N/A
4	Battery	YJ	YJ563170	DC 3.8V 1900mA 7.22Wh	N/A
5	Battery	Chongqing VDL New Energy Co., Ltd.	543171PN3	DC 3.8V 1900mAh 7.22Wh	N/A
6	Back Clip	N/A	N/A	N/A	N/A
7	DECT System	LINVIL	W710D	N/A	N/A
8	Portable DECT Phone	LINVIL	W610D	N/A	N/A

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4.5 Summary of Test Results

No.	FCC Rules	Description of Test	Reference Method	Result
1	§15.319(g), §15.323(d) §15.209(a), §15.109(a)	Radiated Emission	ANSI C63.10-2013 Clause 11.11 & Clause 11.12	Pass
2	§15.207, §15.315	AC Power Line Conducted Emission	ANSI C63.10-2013 Section 6.2	Pass

Note:

1) N/A: In this whole report not applicable.

2) Not required if the Conducted Out-of-Band Emissions test is passed, and assessed in the FCC 47 CFR Part 15B test report.

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5. Description of Test Modes

Summary table of Test Cases	
Test Item	Modulation
	DECT- Portable Part/GFSK
Radiated & Conducted Test Cases	Mode 1: UPCS TX CH00_1921.536 MHz (Connect the adapter) Mode 2: UPCS TX CH02_1924.992 MHz (Connect the adapter) Mode 3: UPCS TX CH04_1928.448 MHz (Connect the adapter)
AC Conducted Emission	Mode 1: UPCS connects to PC to Transmit Data (Powered by adapter 1#) Mode 2: UPCS connects to PC to Transmit Data (Powered by adapter 2#)

Note:
1. Only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
3. For Conducted Test method, a temporary antenna connector is provided by the manufacture.

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6. Radiated Emission

6.1 Limits of Radiated Emission Test

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

6.2 Measurement Procedure

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for

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maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Start ~Stop Frequency	9kHz~150kHz/RB 200Hz for QP
Start ~Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120kHz for QP
Start ~Stop Frequency	1GHz~26.5GHz 1MHz/3MHz for Peak, 1MHz/3MHz for Average

Receiver Parameter	Setting
Start ~Stop Frequency	9kHz~150kHz/RB 200Hz for QP
Start ~Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120kHz for QP

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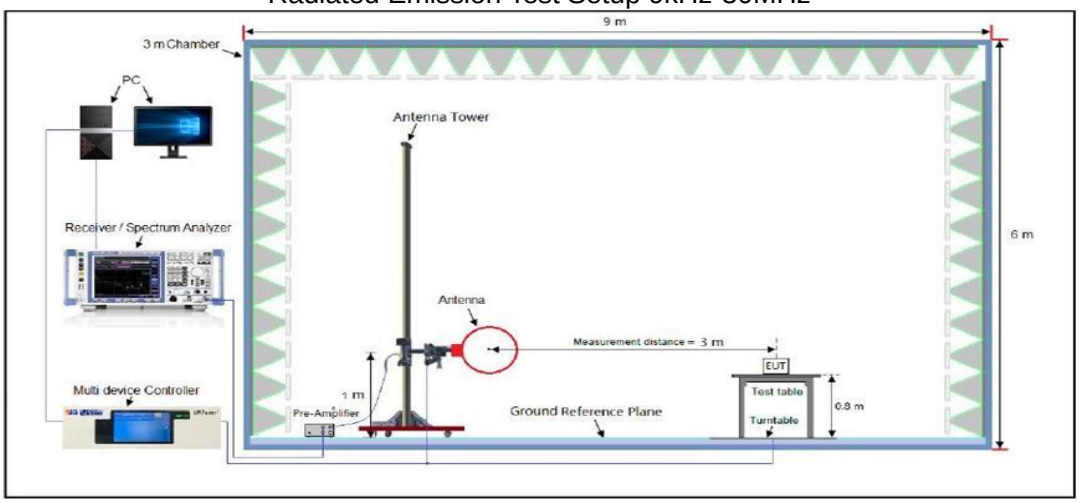
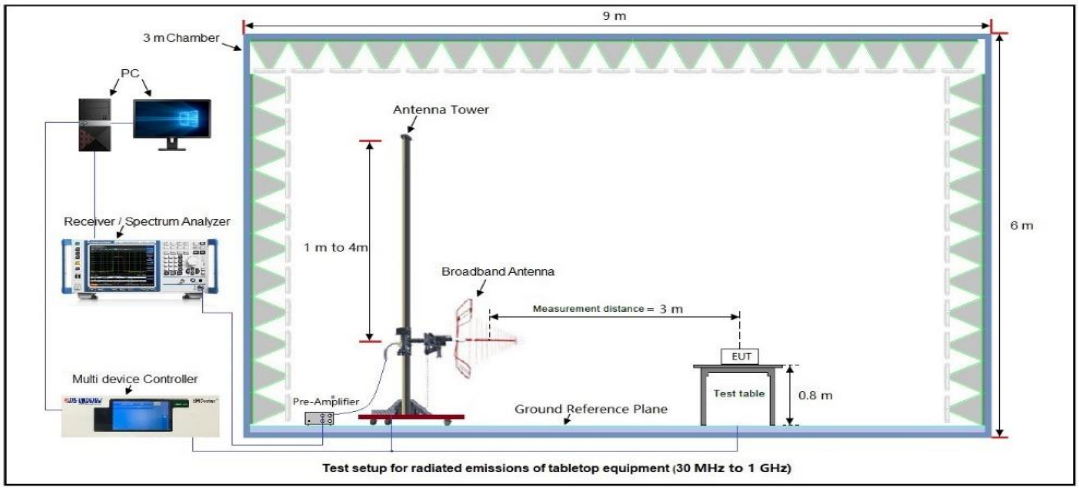
6.3 Measurement Setup (Block Diagram of Configuration)

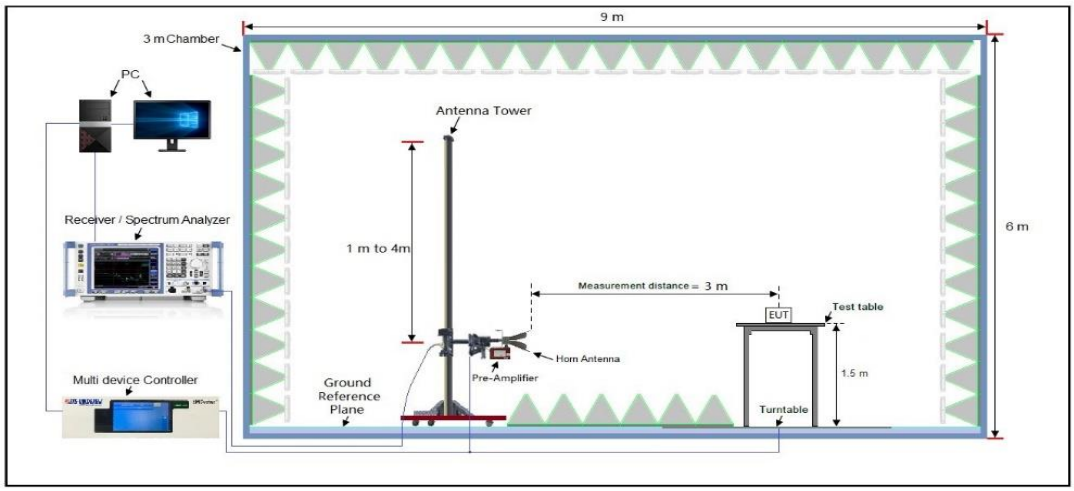
Radiated Emission Test Setup 9kHz-30MHz



Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz



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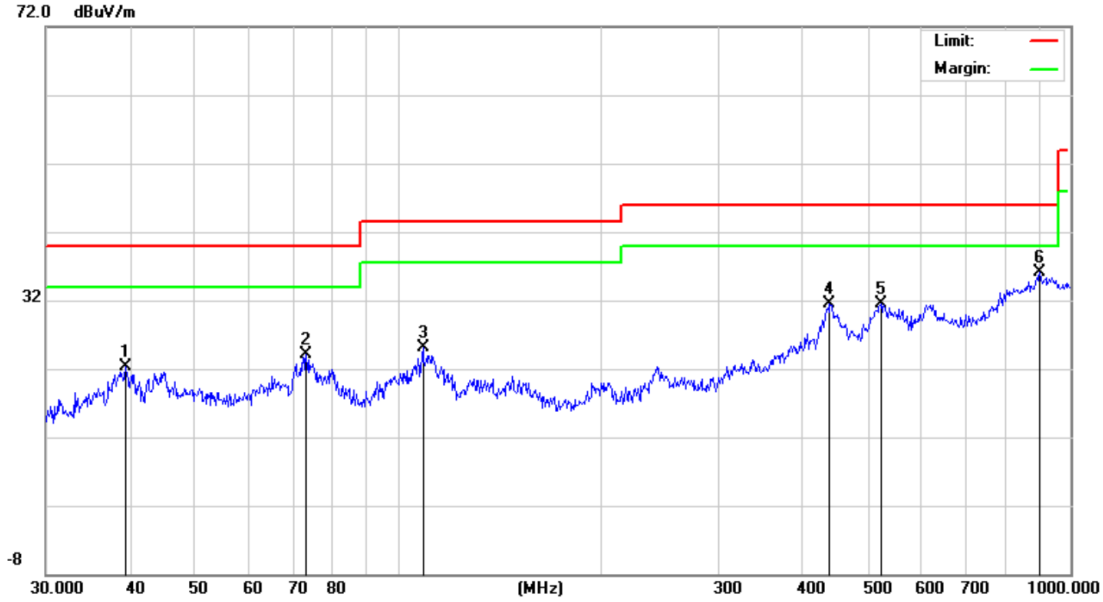
6.4 Measurement Result

Radiated Emission Below 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

The battery model is YJ563170:

Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 3	**Antenna Polarity**	Horizontal



Final Peak Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.4371	22.25	13.66	40.00	17.75	100	160	Horizontal
2	73.1025	24.09	12.89	40.00	15.91	100	170	Horizontal
3	109.0285	25.09	16.29	43.50	18.41	100	90	Horizontal
4	438.6553	31.52	24.81	46.00	14.48	100	220	Horizontal
5	522.7178	31.53	25.02	46.00	14.47	100	160	Horizontal
6	900.1473	36.09	31.78	46.00	9.91	100	140	Horizontal

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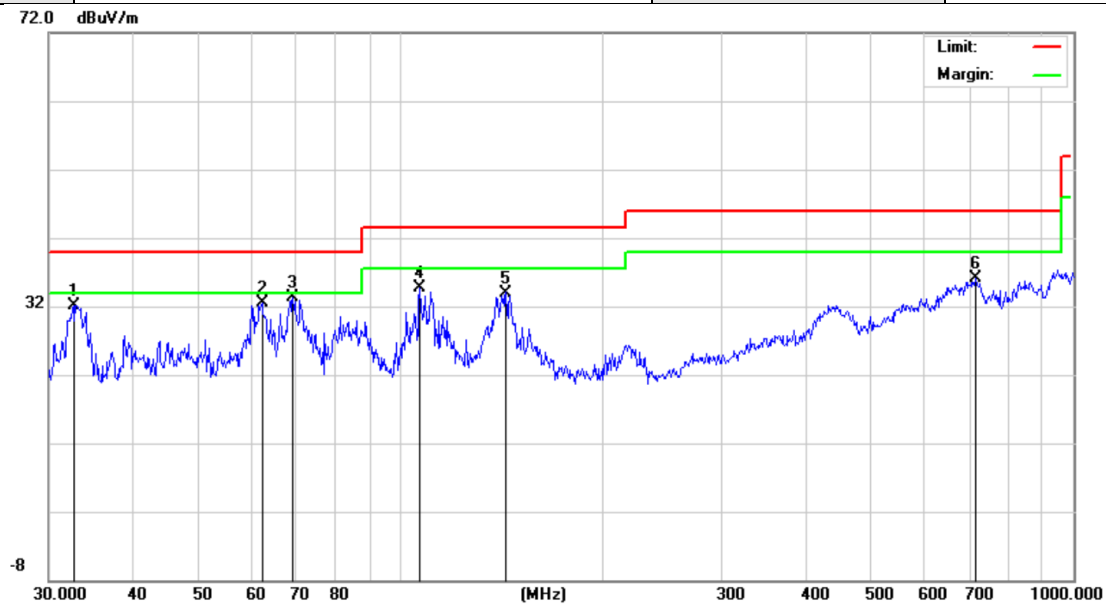
Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 3	**Antenna Polarity**	Vertical



Final Peak Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.6340	32.16	14.47	40.00	7.84	100	200	Vertical
2	62.2128	32.45	17.08	40.00	7.55	100	110	Vertical
3	69.1140	33.22	17.01	40.00	6.78	100	80	Vertical
4	106.7587	34.76	15.38	43.50	8.74	100	250	Vertical
5	143.3260	34.00	18.20	43.50	9.5	100	170	Vertical
6	714.1734	36.09	28.60	46.00	9.91	100	180	Vertical

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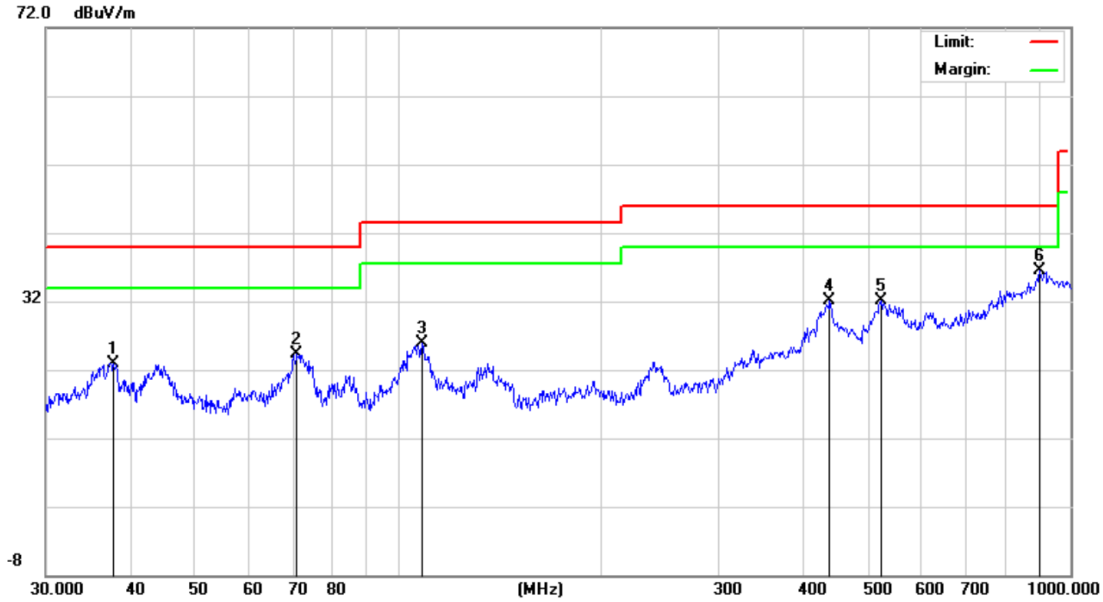
Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 3	**Antenna Polarity**	Horizontal



Final Peak Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.8121	22.95	12.96	40.00	17.05	100	160	Horizontal
2	70.8315	24.32	12.82	40.00	15.68	100	170	Horizontal
3	108.6470	25.85	16.29	43.50	17.65	100	90	Horizontal
4	438.6553	32.02	24.81	46.00	13.98	100	220	Horizontal
5	522.7178	32.03	25.02	46.00	13.97	100	160	Horizontal
6	900.1473	36.59	31.78	46.00	9.41	100	140	Horizontal

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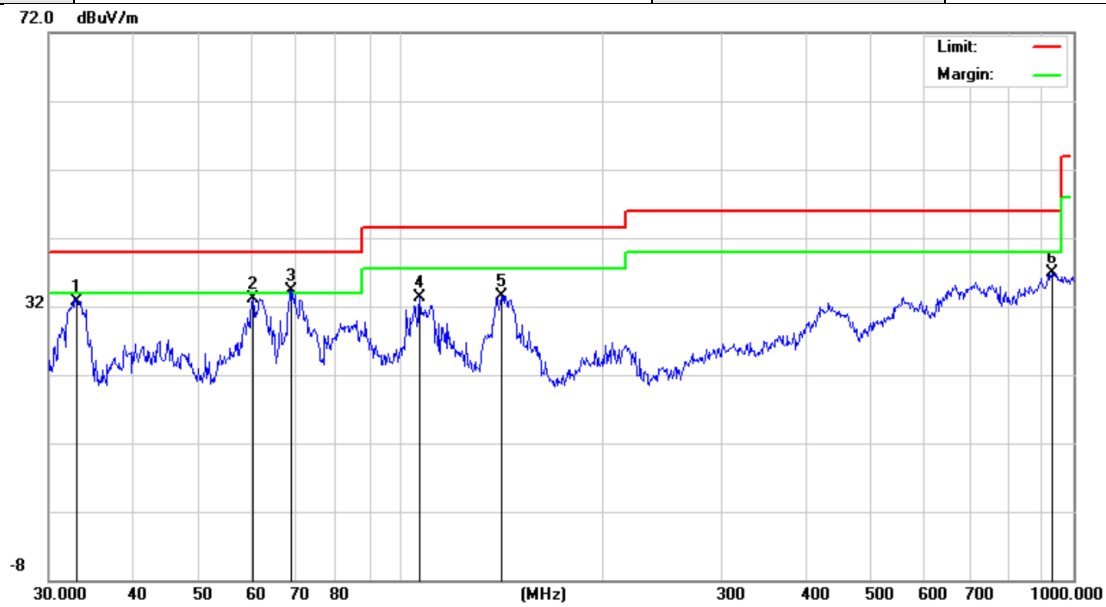
Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 3	**Antenna Polarity**	Vertical



Final Peak Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.9791	32.64	14.58	40.00	7.36	100	200	Vertical
2	60.2800	33.13	17.10	40.00	6.87	100	110	Vertical
3	68.8721	34.21	17.01	40.00	5.79	100	80	Vertical
4	106.7587	33.26	15.38	43.50	10.24	100	250	Vertical
5	141.3298	33.51	18.20	43.50	9.99	100	170	Vertical
6	929.0081	36.89	29.52	46.00	9.11	100	180	Vertical

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss - Pre-amplifier, Margin=Measurement-Limit.

2. All test modes had been pre-tested. The mode 3 is the worst case and recorded in the report.

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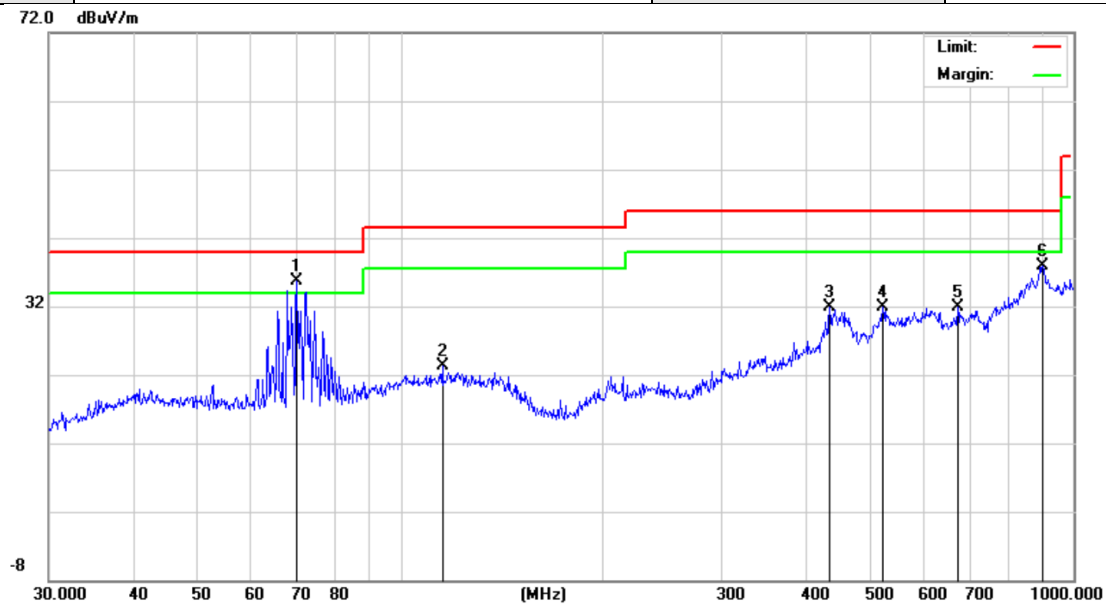
The battery model is 543171PN3:

Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 3	**Antenna Polarity**	Horizontal



Final Peak Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	70.0902	35.62	12.80	40.00	4.38	100	120	Horizontal
2	115.3205	23.26	16.35	43.50	20.24	100	110	Horizontal
3	434.0651	31.87	23.82	46.00	14.13	100	100	Horizontal
4	520.8882	31.89	25.14	46.00	14.11	100	200	Horizontal
5	672.8444	31.81	24.27	46.00	14.19	100	180	Horizontal
6	900.1474	37.85	31.78	46.00	8.15	100	130	Horizontal

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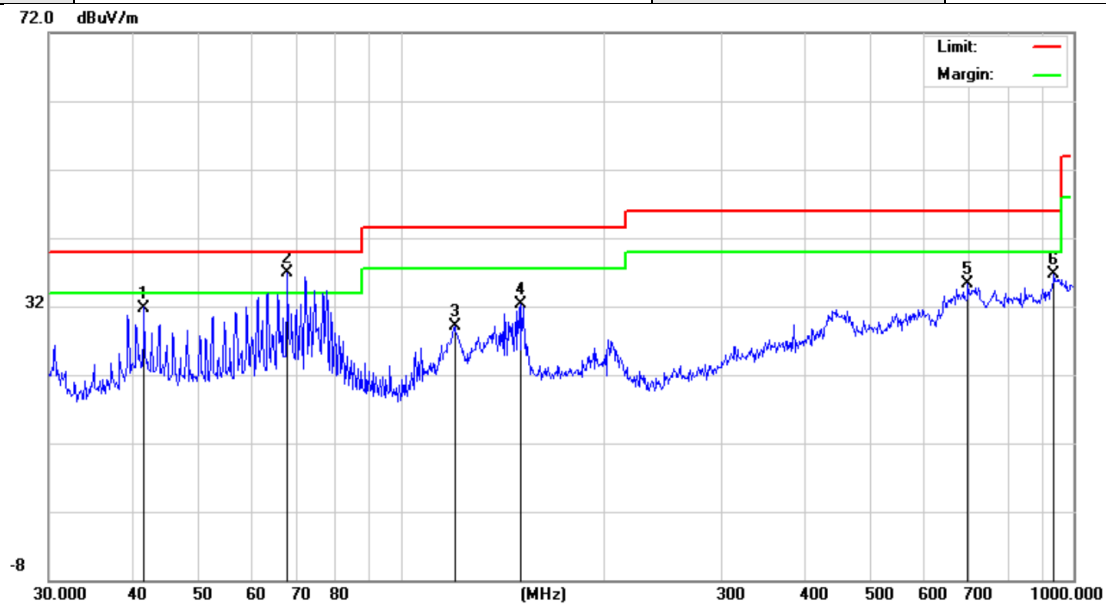
Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 3	**Antenna Polarity**	Vertical



Final Peak Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.5670	31.80	16.92	40.00	8.2	100	210	Vertical
2	67.9128	36.89	17.02	40.00	3.11	100	150	Vertical
3	120.2766	29.07	17.71	43.50	14.43	100	80	Vertical
4	151.0666	32.26	18.20	43.50	11.24	100	140	Vertical
5	696.8567	35.28	28.04	46.00	10.72	100	130	Vertical
6	935.5463	36.63	30.40	46.00	9.37	100	160	Vertical

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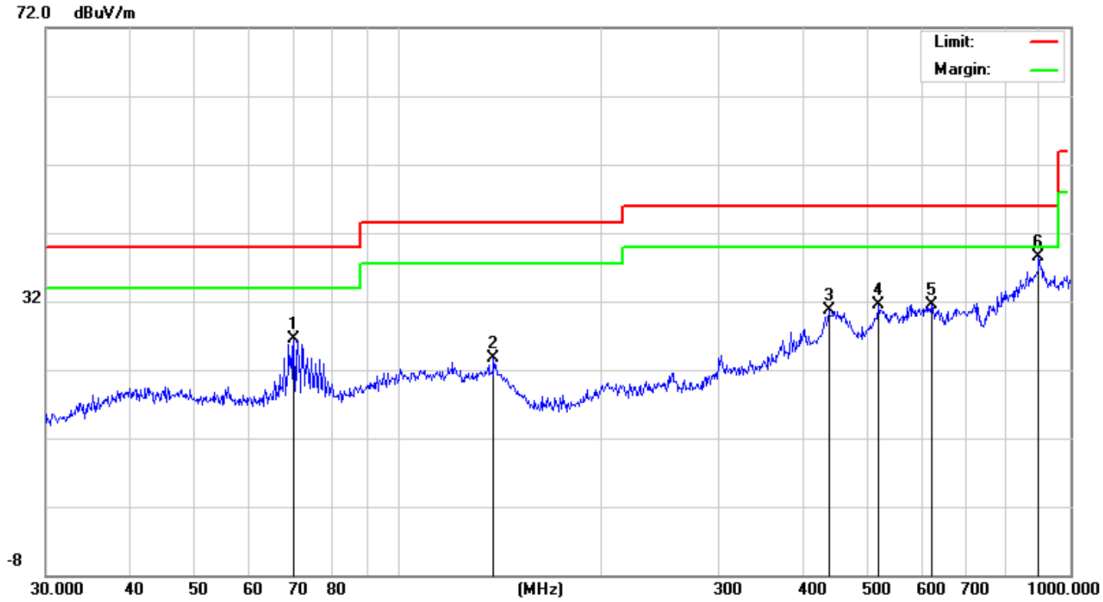
Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 3	**Antenna Polarity**	Horizontal



Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	70.0902	26.60	12.80	40.00	13.4	100	130	Horizontal
2	138.8735	23.75	15.27	43.50	19.75	100	170	Horizontal
3	437.1197	30.75	24.48	46.00	15.25	100	80	Horizontal
4	519.0647	31.44	25.05	46.00	14.56	100	220	Horizontal
5	620.7096	31.52	25.13	46.00	14.48	100	120	Horizontal
6	896.9965	38.45	31.42	46.00	7.55	100	100	Horizontal

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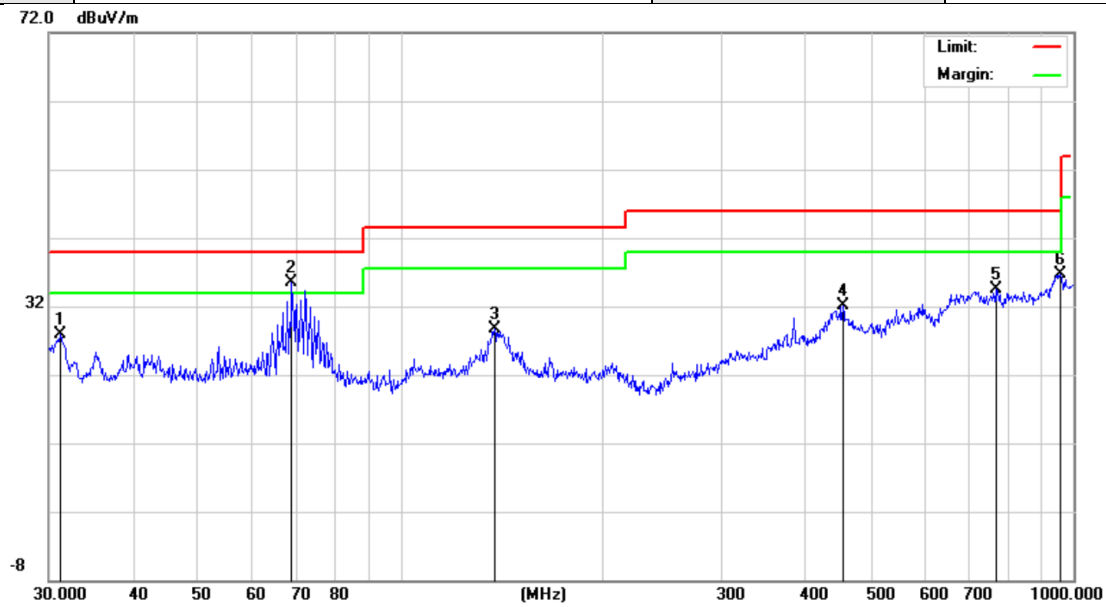
Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 3	**Antenna Polarity**	Vertical



Final Peak Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	31.1798	27.85	13.99	40.00	12.15	100	140	Vertical
2	68.8721	35.41	17.01	40.00	4.59	100	110	Vertical
3	137.9028	28.68	18.15	43.50	14.82	100	100	Vertical
4	454.3100	32.13	25.46	46.00	13.87	100	220	Vertical
5	766.0570	34.58	27.96	46.00	11.42	100	180	Vertical
6	955.4380	36.69	30.38	46.00	9.31	100	180	Vertical

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss - Pre-amplifier, Margin=Measurement-Limit.

2. All test modes had been pre-tested. The mode 3 is the worst case and recorded in the report.

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The battery model is YJ563170:
Radiated Emission Above 1GHz

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 1	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3856.896	51.11	0.11	51.22	74.00	-22.78	Peak
3856.896	37.89	0.11	38.00	54.00	-16.00	AVG
5785.344	48.75	2.45	51.20	74.00	-22.80	Peak
5785.344	40.16	2.45	42.61	54.00	-11.39	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 1	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3856.896	50.41	0.11	50.52	74.00	-23.48	Peak
3856.896	38.54	0.11	38.65	54.00	-15.35	AVG
5785.344	49.37	2.45	51.82	74.00	-22.18	Peak
5785.344	40.52	2.45	42.97	54.00	-11.03	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 2	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3849.984	49.33	0.12	49.45	74.00	-24.55	Peak
3849.984	39.12	0.12	39.24	54.00	-14.76	AVG
5774.976	48.51	2.46	50.97	74.00	-23.03	Peak
5774.976	39.77	2.46	42.23	54.00	-11.77	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 2	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3849.984	50.19	0.12	50.31	74.00	-23.69	Peak
3849.984	38.72	0.12	38.84	54.00	-15.16	AVG
5774.976	49.33	2.46	51.79	74.00	-22.21	Peak
5774.976	38.75	2.46	41.21	54.00	-12.79	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 3	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3843.072	48.52	0.13	48.65	74.00	-25.35	Peak
3843.072	39.74	0.13	39.87	54.00	-14.13	AVG
5764.608	48.93	2.51	51.44	74.00	-22.56	Peak
5764.608	39.55	2.51	42.06	54.00	-11.94	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 3	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3843.072	49.63	0.13	49.76	74.00	-24.24	Peak
3843.072	39.42	0.13	39.55	54.00	-14.45	AVG
5764.608	49.21	2.51	51.72	74.00	-22.28	Peak
5764.608	39.17	2.51	41.68	54.00	-12.32	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 1	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3856.896	49.52	0.11	49.63	74.00	-24.37	Peak
3856.896	40.15	0.11	40.26	54.00	-13.74	AVG
5785.344	48.74	2.45	51.19	74.00	-22.81	Peak
5785.344	41.03	2.45	43.48	54.00	-10.52	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 1	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3856.896	50.15	0.11	50.26	74.00	-23.74	Peak
3856.896	39.77	0.11	39.88	54.00	-14.12	AVG
5785.344	49.34	2.45	51.79	74.00	-22.21	Peak
5785.344	40.58	2.45	43.03	54.00	-10.97	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 2	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3849.984	51.30	0.12	51.42	74.00	-22.58	Peak
3849.984	40.04	0.12	40.16	54.00	-13.84	AVG
5774.976	49.51	2.46	51.97	74.00	-22.03	Peak
5774.976	39.02	2.46	41.48	54.00	-12.52	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 2	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3849.984	49.90	0.12	50.02	74.00	-23.98	Peak
3849.984	39.85	0.12	39.97	54.00	-14.03	AVG
5774.976	49.74	2.46	52.20	74.00	-21.80	Peak
5774.976	40.01	2.46	42.47	54.00	-11.53	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 3	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3843.072	49.89	0.13	50.02	74.00	-23.98	Peak
3843.072	40.02	0.13	40.15	54.00	-13.85	AVG
5764.608	50.24	2.51	52.75	74.00	-21.25	Peak
5764.608	38.41	2.51	40.92	54.00	-13.08	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 3	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3843.072	50.02	0.13	50.15	74.00	-23.85	Peak
3843.072	39.65	0.13	39.78	54.00	-14.22	AVG
5764.608	50.01	2.51	52.52	74.00	-21.48	Peak
5764.608	39.07	2.51	41.58	54.00	-12.42	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RESULT: PASS

Note:

The amplitude of other spurious emissions from 1G to 20 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin=Measure result-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

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The battery model is 543171PN3:
Radiated Emission Above 1GHz

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 1	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3856.896	46.64	0.11	46.75	74	-27.25	Peak
3856.896	37.42	0.11	37.53	54	-16.47	AVG
5785.344	41.30	2.45	43.75	74	-30.25	Peak
5785.344	32.18	2.45	34.63	54	-19.37	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	25° C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 1	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3856.896	46.05	0.11	46.16	74	-27.84	Peak
3856.896	37.26	0.11	37.37	54	-16.63	AVG
5785.344	41.20	2.45	43.65	74	-30.35	Peak
5785.344	32.28	2.45	34.73	54	-19.27	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 2	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3849.984	46.02	0.12	46.14	74	-27.86	Peak
3849.984	37.28	0.12	37.40	54	-16.60	AVG
5774.976	41.89	2.46	44.35	74	-29.65	Peak
5774.976	32.66	2.46	35.12	54	-18.88	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 2	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3849.984	46.85	0.12	46.97	74	-27.03	Peak
3849.984	37.58	0.12	37.70	54	-16.30	AVG
5774.976	41.36	2.46	43.82	74	-30.18	Peak
5774.976	32.67	2.46	35.13	54	-18.87	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 3	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3843.072	46.31	0.13	46.44	74	-27.56	Peak
3843.072	37.08	0.13	37.21	54	-16.79	AVG
5764.608	41.55	2.51	44.06	74	-29.94	Peak
5764.608	32.29	2.51	34.80	54	-19.20	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 1#
Test Mode	Mode 3	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3843.072	46.34	0.13	46.47	74	-27.53	Peak
3843.072	37.56	0.13	37.69	54	-16.31	AVG
5764.608	41.19	2.51	43.70	74	-30.30	Peak
5764.608	32.45	2.51	34.96	54	-19.04	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 1	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3856.896	46.23	0.11	46.34	74	-27.66	Peak
3856.896	37.79	0.11	37.90	54	-16.10	AVG
5785.344	41.16	2.45	43.61	74	-30.39	Peak
5785.344	32.31	2.45	34.76	54	-19.24	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 1	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3856.896	46.09	0.11	46.20	74	-27.80	Peak
3856.896	37.63	0.11	37.74	54	-16.26	AVG
5785.344	41.32	2.45	43.77	74	-30.23	Peak
5785.344	32.72	2.45	35.17	54	-18.83	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 2	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3849.984	46.68	0.12	46.80	74	-27.20	Peak
3849.984	37.29	0.12	37.41	54	-16.59	AVG
5774.976	41.76	2.46	44.22	74	-29.78	Peak
5774.976	32.56	2.46	35.02	54	-18.98	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 2	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3849.984	46.59	0.12	46.71	74	-27.29	Peak
3849.984	37.78	0.12	37.90	54	-16.10	AVG
5774.976	41.13	2.46	43.59	74	-30.41	Peak
5774.976	32.05	2.46	34.51	54	-19.49	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 3	**Antenna**	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3843.072	46.06	0.13	46.19	74	-27.81	Peak
3843.072	37.47	0.13	37.60	54	-16.40	AVG
5764.608	41.41	2.51	43.92	74	-30.08	Peak
5764.608	32.42	2.51	34.93	54	-19.07	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Portable DECT Phone	**Model Name**	W610D
Temperature	22.8℃	**Relative Humidity**	54.0%
Pressure	960hPa	**Test Voltage**	DC 5V by adapter 2#
Test Mode	Mode 3	**Antenna**	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3843.072	46.14	0.13	46.27	74	-27.73	Peak
3843.072	37.21	0.13	37.34	54	-16.66	AVG
5764.608	41.21	2.51	43.72	74	-30.28	Peak
5764.608	32.94	2.51	35.45	54	-18.55	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RESULT: PASS

Note:

The amplitude of other spurious emissions from 1G to 20 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin=Measure result-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

7. AC Power Line Conducted Emission

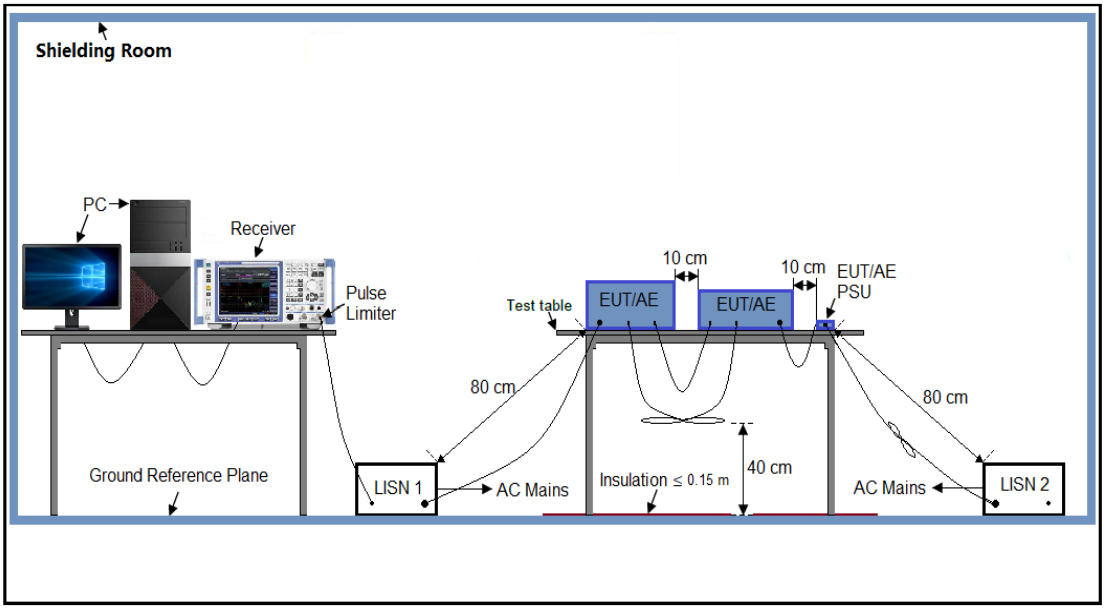
7.1 Limits of Line Conducted Emission Test

Frequency	Maximum RF Line Voltage	
	Q.P. (dBμV)	Average (dBμV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

7.2 Measurement Setup (Block Diagram of Configuration)



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7.3 Preliminary Procedure of Line Conducted Emission Test

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipment received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

7.4 Final Procedure of Line Conducted Emission Test

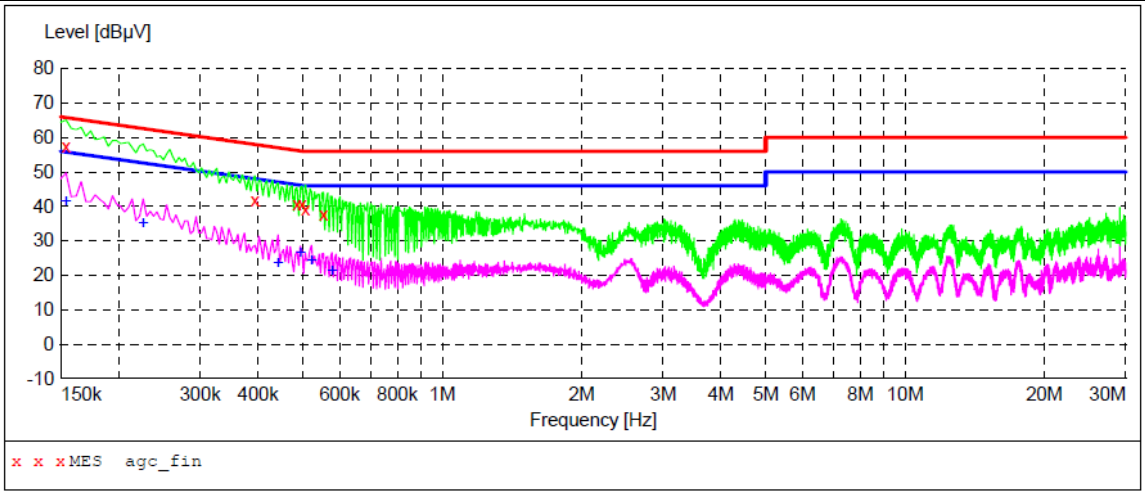
1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

7.5 Measurement Result

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

The battery model is YJ563170:

AC Power Line Conducted Emission Test			
Test Mode	Mode 1	LISN line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2024/5/22 8:41

Frequency MHz	Leve dBµ					
0.154000	57.30	6.1	66	8.5	QP	L1
0.394000	41.90	6.1	58	16.1	QP	L1
0.486000	40.50	6.1	56	15.7	QP	L1
0.498000	40.80	6.1	56	15.2	QP	L1
0.506000	39.30	6.2	56	16.7	QP	L1
0.554000	37.70	6.2	56	18.3	QP	L1

MEASUREMENT RESULT: "agc_fin2"

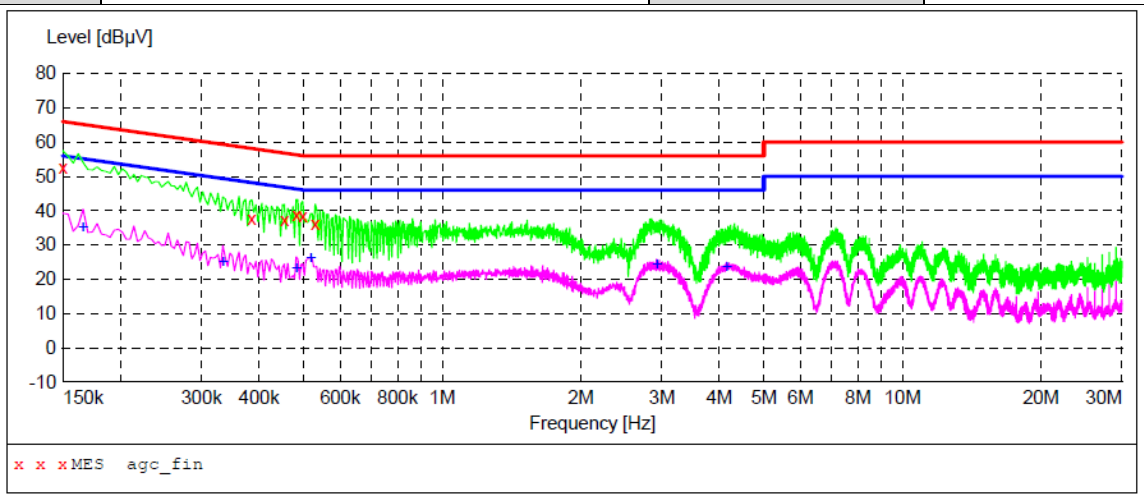
2024/5/22 8:41

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	41.50	6.1	56	14.3	AV	L1
0.226000	35.00	6.1	53	17.6	AV	L1
0.442000	23.40	6.1	47	23.6	AV	L1
0.494000	26.40	6.1	46	19.7	AV	L1
0.522000	24.30	6.2	46	21.7	AV	L1
0.578000	21.40	6.2	46	24.6	AV	L1

RESULT: PASS

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

AC Power Line Conducted Emission Test			
Test Mode	Mode 1	LISN line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2024/5/22 8:45

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000	52.50	6.1	66	13.5	QP	N
0.386000	37.50	6.1	58	20.6	QP	N
0.454000	37.40	6.1	57	19.4	QP	N
0.482000	38.70	6.1	56	17.6	QP	N
0.498000	38.40	6.1	56	17.6	QP	N
0.530000	36.00	6.2	56	20.0	QP	N

MEASUREMENT RESULT: "agc_fin2"

2024/5/22 8:45

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.166000	35.00	6.1	55	20.2	AV	N
0.334000	25.00	6.1	49	24.4	AV	N
0.482000	23.00	6.1	46	23.3	AV	N
0.518000	26.20	6.2	46	19.8	AV	N
2.926000	24.10	6.3	46	21.9	AV	N
4.150000	23.40	6.3	46	22.6	AV	N

RESULT: PASS

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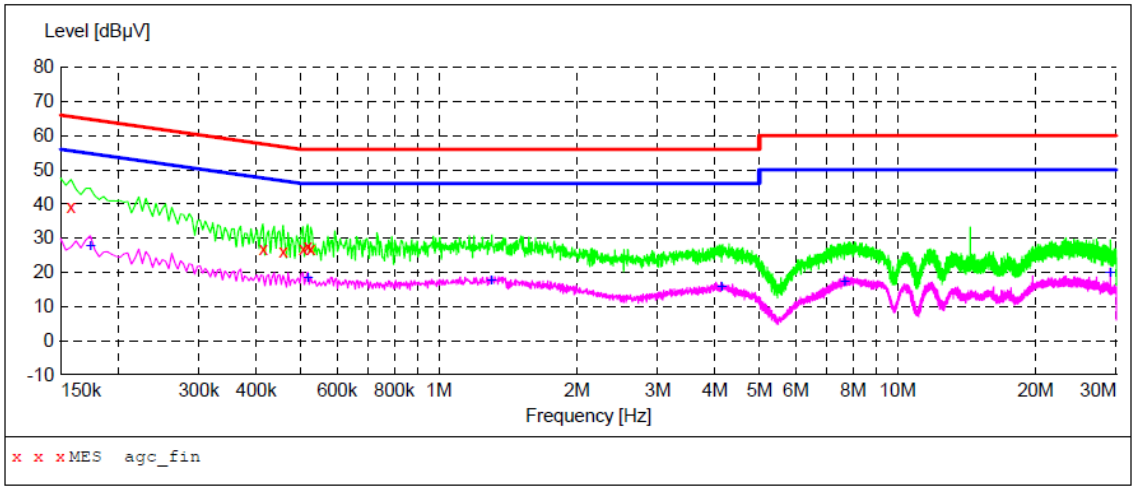
AC Power Line Conducted Emission Test			
Test Mode	Mode 2	LISN line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2024/5/22 8:54

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.158000	39.10	6.1	66	26.5	QP	L1
0.414000	27.00	6.1	58	30.6	QP	L1
0.458000	26.10	6.1	57	30.6	QP	L1
0.506000	26.90	6.2	56	29.1	QP	L1
0.518000	27.70	6.2	56	28.3	QP	L1
0.526000	26.80	6.2	56	29.2	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2024/5/22 8:54

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.174000	27.60	6.1	55	27.2	AV	L1
0.518000	18.30	6.2	46	27.7	AV	L1
1.302000	17.70	6.2	46	28.3	AV	L1
4.130000	15.60	6.3	46	30.4	AV	L1
7.662000	17.20	6.5	50	32.8	AV	L1
29.114000	19.70	8.3	50	30.3	AV	L1

RESULT: PASS

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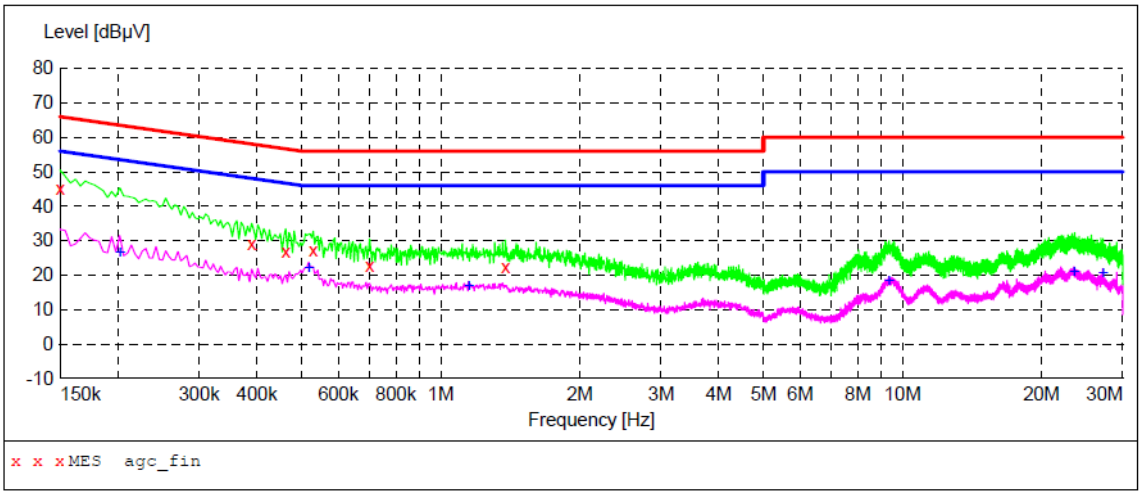
AC Power Line Conducted Emission Test			
Test Mode	Mode 2	LISN line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2024/5/22 8:50

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000	45.00	6.1	66	21.0	QP	N
0.390000	28.90	6.1	58	29.2	QP	N
0.462000	27.00	6.1	57	29.7	QP	N
0.530000	27.30	6.2	56	28.7	QP	N
0.702000	22.90	6.2	56	33.1	QP	N
1.382000	22.30	6.2	56	33.7	QP	N

MEASUREMENT RESULT: "agc_fin2"

2024/5/22 8:50

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.202000	26.40	6.1	54	27.1	AV	N
0.518000	22.10	6.2	46	23.9	AV	N
1.150000	16.60	6.2	46	29.4	AV	N
9.350000	18.40	6.6	50	31.6	AV	N
23.522000	20.80	7.7	50	29.2	AV	N
27.174000	20.40	8.1	50	29.6	AV	N

RESULT: PASS

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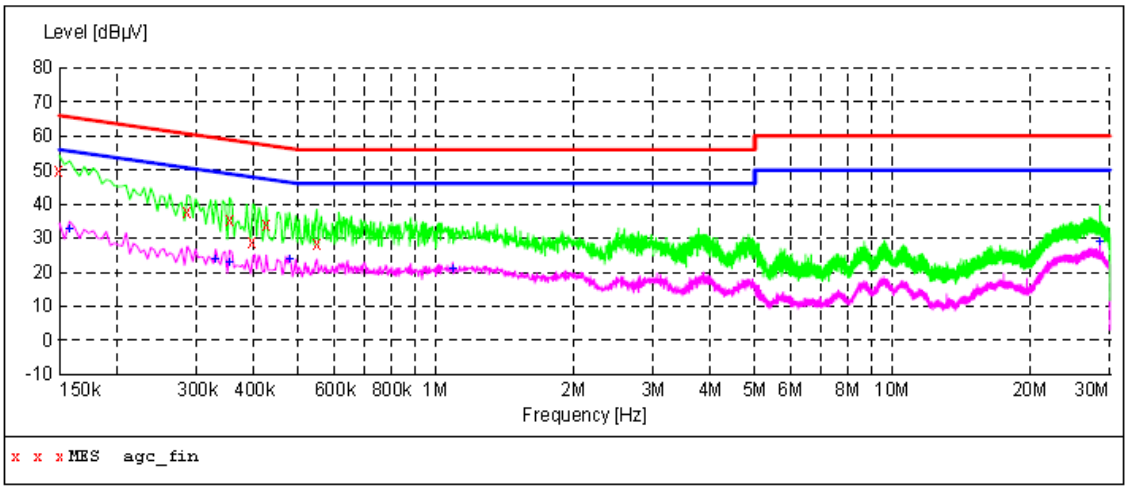
The battery model is 543171PN3:

AC Power Line Conducted Emission Test			
Test Mode	Mode 1	LISN line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2025/5/22 19:58

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000	49.80	10.3	66	16.2	QP	L1
0.286000	37.50	10.3	61	23.1	QP	L1
0.354000	35.30	10.3	59	23.6	QP	L1
0.398000	28.60	10.3	58	29.3	QP	L1
0.426000	33.90	10.3	57	23.4	QP	L1
0.550000	28.30	10.3	56	27.7	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2025/5/22 19:58

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.158000	32.50	10.3	56	23.1	AV	L1
0.330000	23.70	10.3	50	25.8	AV	L1
0.354000	22.60	10.3	49	26.3	AV	L1
0.478000	23.70	10.3	46	22.7	AV	L1
1.090000	20.90	10.4	46	25.1	AV	L1
28.506000	28.90	17.7	50	21.1	AV	L1

RESULT: PASS

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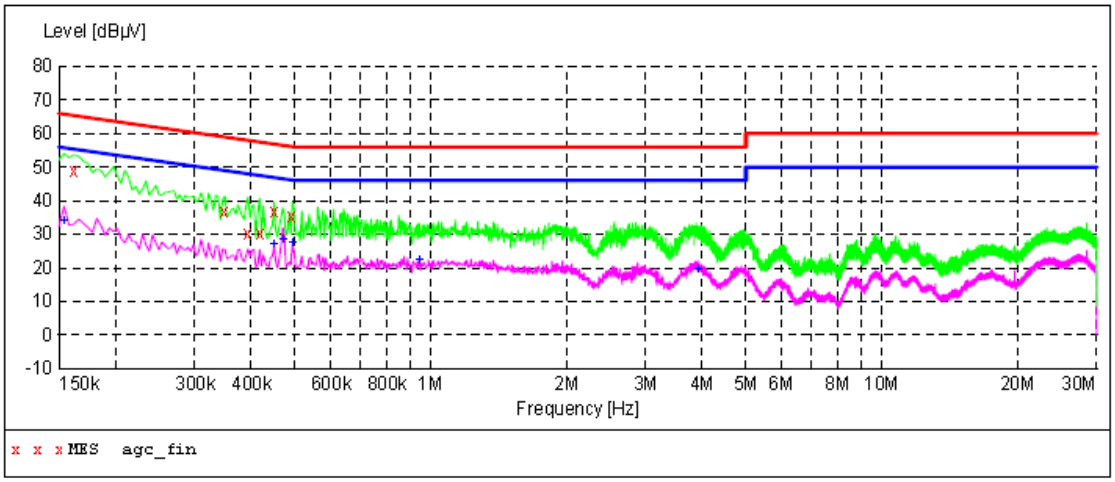
AC Power Line Conducted Emission Test			
Test Mode	Mode 1	LISN line	Neutral Side



MEASUREMENT RESULT: "agc_fin"

2025/5/22 19:55

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.162000	48.90	10.3	65	16.5	QP	N
0.350000	36.60	10.3	59	22.4	QP	N
0.394000	30.10	10.3	58	27.9	QP	N
0.418000	30.30	10.3	58	27.2	QP	N
0.450000	37.00	10.3	57	19.9	QP	N
0.494000	35.20	10.3	56	20.9	QP	N

MEASUREMENT RESULT: "agc_fin2"

2025/5/22 19:55

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	33.80	10.3	56	22.0	AV	N
0.450000	27.00	10.3	47	19.9	AV	N
0.470000	28.30	10.3	47	18.2	AV	N
0.494000	27.60	10.3	46	18.5	AV	N
0.946000	22.40	10.4	46	23.6	AV	N
3.914000	19.60	10.7	46	26.4	AV	N

RESULT: PASS

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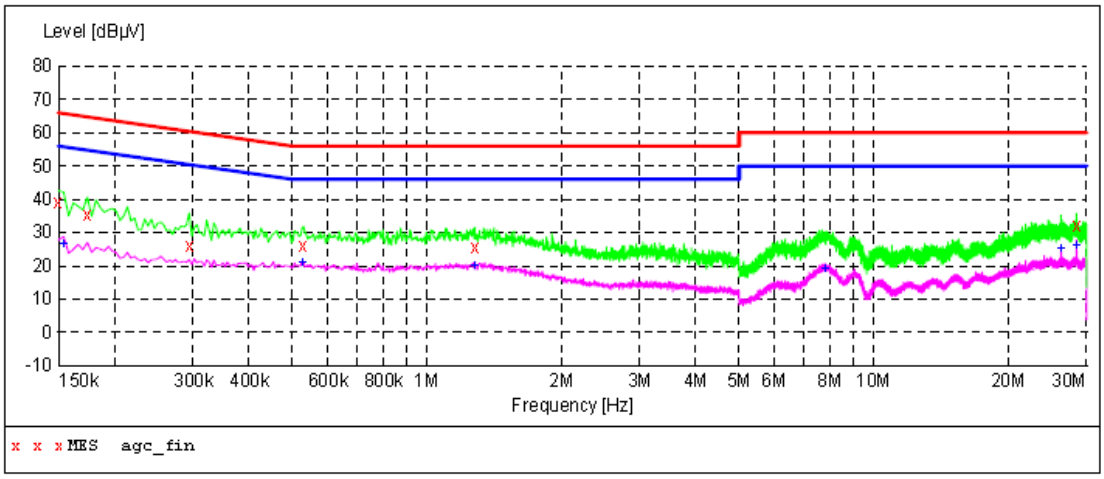
AC Power Line Conducted Emission Test			
Test Mode	Mode 2	LISN line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2025/5/22 19:36

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000	38.90	10.3	66	27.1	QP	L1
0.174000	35.50	10.3	65	29.3	QP	L1
0.294000	26.00	10.3	60	34.4	QP	L1
0.530000	26.20	10.3	56	29.8	QP	L1
1.282000	25.60	10.4	56	30.4	QP	L1
28.478000	32.00	17.7	60	28.0	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2025/5/22 19:36

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	26.30	10.3	56	29.5	AV	L1
0.526000	20.70	10.3	46	25.3	AV	L1
1.282000	20.00	10.4	46	26.0	AV	L1
7.786000	18.90	11.6	50	31.1	AV	L1
26.290000	25.10	17.0	50	24.9	AV	L1
28.478000	26.00	17.7	50	24.0	AV	L1

RESULT: PASS

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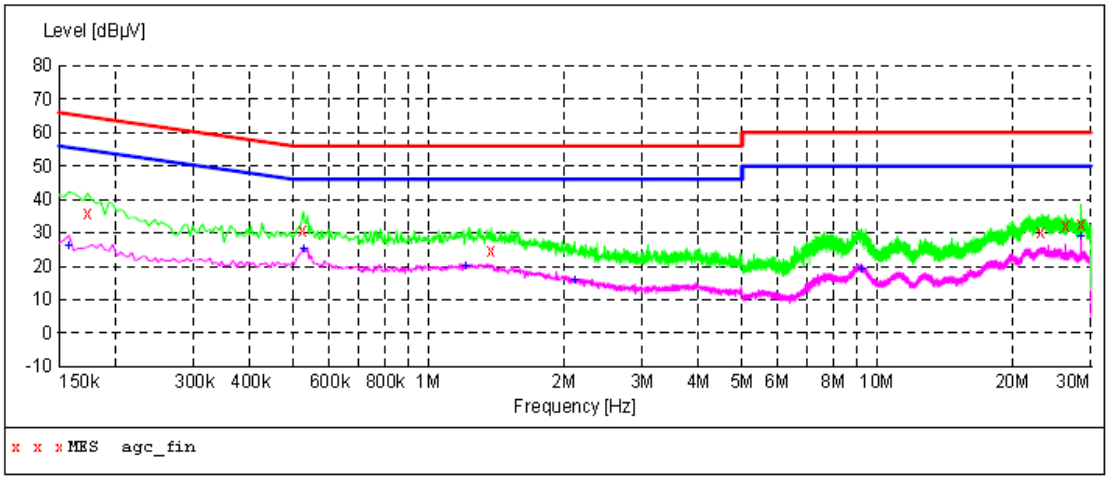
AC Power Line Conducted Emission Test			
Test Mode	Mode 2	LISN line	Neutral Side



MEASUREMENT RESULT: "agc_fin"

2025/5/22 19:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.174000	36.00	10.3	65	28.8	QP	N
0.526000	30.50	10.3	56	25.5	QP	N
1.382000	24.70	10.4	56	31.3	QP	N
23.274000	30.00	16.0	60	30.0	QP	N
26.286000	32.20	17.0	60	27.8	QP	N
28.474000	32.40	17.7	60	27.6	QP	N

MEASUREMENT RESULT: "agc_fin2"

2025/5/22 19:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.158000	26.20	10.3	56	29.4	AV	N
0.526000	25.30	10.3	46	20.7	AV	N
1.210000	20.10	10.4	46	25.9	AV	N
2.122000	15.80	10.5	46	30.2	AV	N
9.206000	19.20	12.0	50	30.8	AV	N
28.478000	28.80	17.7	50	21.2	AV	N

RESULT: PASS

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Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC14499240405AP04B

Appendix II: Photographs of Test EUT

Refer to the Report No.: AGC14499240405AP03B

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Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the “Clients”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

-----End of Report-----

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.