

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

Remote control

MODEL NUMBER: Q5A, Q1A, Q2A, Q4A

REPORT NUMBER: E04A26080347F00101

ISSUE DATE: September 3, 2026

FCC ID: 2AYCYQ5A

Prepared for

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PEOPLE'S REPUBLIC OF CHINA**

Prepared by

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This report is based on a single evaluation of the submitted sample(s) of the above mentioned product, it does not imply an assessment of the production of the products.

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	September 3, 2026	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2020, Clause 6.2	FCC Part 15.207	N/A
Conducted Output Power	ANSI C63.10-2020, Clause 11.9.1.2	FCC Part 15.247 (b)(3)	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2020, Clause 11.8.1	FCC Part 15.247 (a)(2)	Pass
Power Spectral Density	ANSI C63.10-2020, Clause 11.10.2	FCC Part 15.247 (e)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2020, Clause 11.11	FCC Part 15.247(d)	Pass
Radiated Band edge and Spurious Emission	ANSI C63.10-2020, Clause 11.12	FCC Part 15.205/15.209	Pass
Duty Cycle	ANSI C63.10-2020, Clause 11.6	None; for reporting purposes only.	Pass

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C(DTS)> when <Accuracy Method> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: ZHUHAI LTECH TECHNOLOGY CO., LTD.
Address: 1st Building, No. 183, Shui'an 1st Road, Xiangzhou District,
519060 Zhuhai City, PEOPLE'S REPUBLIC OF CHINA

Manufacturer Information

Company Name: ZHUHAI LTECH TECHNOLOGY CO., LTD.
Address: 1st Building, No. 183, Shui'an 1st Road, Xiangzhou District,
519060 Zhuhai City, PEOPLE'S REPUBLIC OF CHINA

EUT Information

Product Description: Remote control
Model: Q5A
Series Model: Q1A, Q2A, Q4A
Brand: N/A
Sample Received Date: August 19, 2026
Sample Status: Normal
Sample ID: A26080347 001
Date of Tested: August 19, 2026 to August 27, 2026

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

Prepared By:

poal chen

Poal Chen

Project Engineer

Checked By:

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Alan He

Laboratory Manager

Approved By:

Alan He

Alan He

Laboratory Manager



2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C(DTS)

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.
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Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Items	k	Uncertainty
DTS Bandwidth	1.96	±9.2 PPM
20dB Emission Bandwidth	1.96	±9.2 PPM
Carrier Frequency Separation	1.96	±9.2 PPM
Time of Occupancy	1.96	±0.57%
Conducted Output Power	1.96	±1.5 dB
Power Spectral Density Level	1.96	±1.9 dB
Conducted Spurious Emission	1.96	9 kHz-30 MHz: ± 0.95 dB 30 MHz-1 GHz: ± 1.5 dB 1GHz-12.75GHz: ± 1.8 dB 12.75 GHz-26.5 GHz: ± 2.1dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.		

Test Item	Measurement Frequency Range	K	U(dB)
Conducted emissions from the AC mains power ports (AMN)	150 kHz ~ 30 MHz	2	3.37
Radiated emissions	9 kHz ~ 30 MHz	2	4.16
Radiated emissions	30 MHz ~ 1 GHz	2	3.79
Radiated emissions	1 GHz ~ 18 GHz	2	5.62
Radiated emissions	18 GHz ~ 40 GHz	2	5.54
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.			

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name		Remote control
Model		Q5A
Series Model		Q1A, Q2A, Q4A
Model difference		RF wireless. The hardware is exactly the same. The control board is the same, the casing is the same, but the silk screen printing is different.
EUT Classification		Class B
Hardware Version		V0
Software Version		/
Ratings		Battery: AAA*2PCS
Power Supply	Battery	3Vdc

Frequency Band:	2400 MHz to 2483.5 MHz
Frequency Range:	2450MHz
Mode:	802.15.4
Type of Modulation:	FSK
Number of Channels:	1
Maximum Peak Power:	3dBm
Antenna Type:	PCB antenna
Antenna Gain:	1.5dBi
Normal Test Voltage:	3V
EUT Test software:	N/A
Note:	The Antenna Gain was provided by applicant, and this information may affect the validity of the results, applicant should be responsible for this.

5.1. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2450	3	/	5	/	7	/
2	/	4	/	6	/	8	/

5.2. MAXIMUM CONDUCTED OUTPUT POWER

Test Mode	Frequency (MHz)	Channel Number	Maximum Peak Output Power (dBm)
FSK	2450	1	3

5.3. TEST CHANNEL CONFIGURATION

Test Mode	Test Channel	Frequency
FSK	CH 1	2450MHz

5.4. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2450MHz Band				
Test Software Version		N/A		
Modulation Type	Transmit Antenna Number	Test Software setting value		
		CH1	/	/
FSK	1	default	/	/

5.5. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2450	PCB antenna	1.5

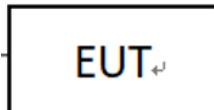
Test Mode	Transmit and Receive Mode	Description
FSK	☒ 1TX	Antenna 1 can be used as transmitting antenna.
Note:		

5.6. SUPPORT UNITS FOR SYSTEM TEST

The EUT has been tested as an independent unit.

5.7. SETUP DIAGRAM

Radiated Emission:



6. MEASURING EQUIPMENT AND SOFTWARE USED

Test Equipment of Conducted RF					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102257	2026/08/04	2027/08/03
Spectrum Analyzer	KEYSIGHT	N9020A	MY51285127	2026/08/04	2027/08/03
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY61253075	2026/08/04	2027/08/03
Vector Signal Generator	Rohde & Schwarz	SMM100A	101899	2026/08/04	2027/08/03
RF Control box	MWRF-test	MW100-RFCB	MW220926GTG	2026/08/04	2027/08/03
Wideband Radio Communication Tester	Rohde & Schwarz	CMW270	102792	2026/08/04	2027/08/03
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	103235	2026/08/04	2027/08/03
temperature humidity chamber	Espec	SH-241	SH-241-2014	2026/08/11	2027/08/10
RF Test Software	MWRF-test	MTS8310E (Ver. V2/0)	N/A	N/A	N/A

Test Equipment of Radiated emissions below 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9*6*6m	Q2146	2025/08/23	2028/08/22
EMI Test Receiver	Rohde & Schwarz	ESCI3	101409	2026/08/03	2027/08/02
Pre-Amplifier	HZEMC	HPA-9K0130	HYPA21002	2026/08/03	2027/08/02
Biconilog Antenna	Schwarzbeck	VULB 9168	01315	2025/09/20	2028/09/19
Biconilog Antenna	ETS	3142E	00243651	2025/02/22	2028/02/21
Loop Antenna	ETS	6502	00243668	2025/02/22	2028/02/21
RF Cable	TIMES Microwave	LMR240UF-NMMN-14M	N/A	2026/08/03	2027/08/02
RF Cable	TIMES Microwave	HF205-NMMN-11.00M	N/A	2026/08/03	2027/08/02
RF Cable	JCT	JCT-06S-NJ-NJ-2.5M	N/A	2026/08/03	2027/08/02
Test Software	Tonscend	TS+ (Ver. 5.0.0)	N/A	N/A	N/A

Test Equipment of Radiated emissions above 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9*6*6m	Q2149	2025/08/23	2028/08/22
Spectrum Analyzer	Rohde & Schwarz	FSV40	101413	2026/08/03	2027/08/02
Pre-Amplifier	HZEMC	HPA-1G1850	HYPA21003	2026/08/04	2027/08/03
Horn antenna	ETS	3117	00246069	2025/02/22	2028/02/21

Pre-Amplifier	HzEMC	HPA-184057	HYP A21004	2026/08/04	2027/08/03
Horn antenna	ETS	3116C	00246265	2025/02/22	2028/02/21
RF Filter Bank	HzEMC	HSW-F18	HSWF2218E01	2026/08/03	2027/08/02
RF Filter Bank	HzEMC	HPF18	HPF2218E02	2026/08/03	2027/08/02
RF Cable	TIMES Microwave	HF205-NMNM- 7.00M	N/A	2026/08/03	2027/08/02
RF Cable	TIMES Microwave	HF205-NMNM- 2.50M	N/A	2026/08/03	2027/08/02
Test Software	Tonscend	TS+ (Ver. 5.0.0)	N/A	N/A	N/A

7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3)	Peak Conduct Output Power	1 watt or 30 dBm	2400-2483.5

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.9.1.

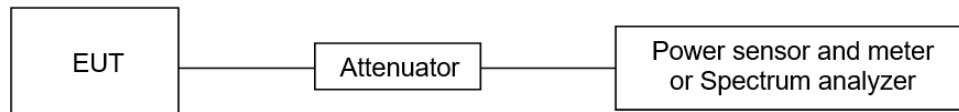
Connect the EUT to the spectrum Analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	$\geq$ DTS bandwidth
VBW	$\geq 3 \times$ RBW
Span	$\geq 3 \times$ RBW
Trace	Max hold
Sweep time	Auto

Allow trace to stabilize.

Use the marker-to-peak function to set the marker to the peak of the emission.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.4°C	Relative Humidity	52.1%
Atmosphere Pressure	100kPa		

TEST RESULTS

Please refer to section "Test Data" - Appendix A

7.2. 6DB BANDWIDTH

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(a)(2)	6 dB Bandwidth	≥ 500 kHz	2400-2483.5

TEST PROCEDURE

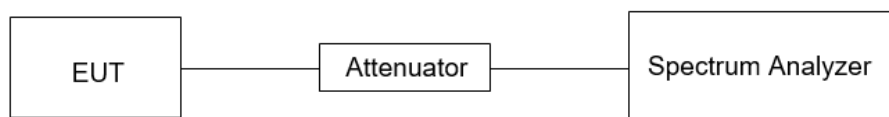
Refer to ANSI C63.10-2020 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Frequency Span	For 6 dB Bandwidth: Enough to capture all products of the modulation carrier emission
Detector	Peak
RBW	For 6 dB Bandwidth: 100 kHz
VBW	For 6 dB Bandwidth: $\geq 3 \times$ RBW
Trace	Max hold
Sweep	Auto couple

a) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.4°C	Relative Humidity	52.1%
Atmosphere Pressure	101kPa		

TEST RESULTS

Please refer to section "Test Data" - Appendix A

7.1. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC §15.247 (e)	Power Spectral Density	8 dBm in any 3 kHz band	2400-2483.5

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.10.

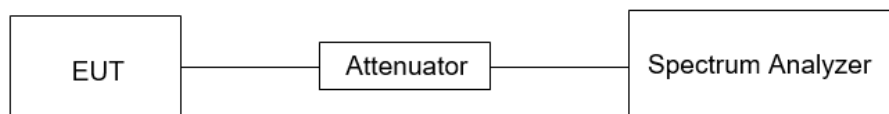
Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	PEAK
RBW	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW	$\geq 3 \times \text{RBW}$
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.4°C	Relative Humidity	52.1%
Atmosphere Pressure	101kPa		

TEST RESULTS

Please refer to section "Test Data" - Appendix A

7.2. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C		
Section	Test Item	Limit
CFR 47 FCC §15.247 (d)	Conducted Bandedge and Spurious Emissions	at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.11 and 11.13.

Connect the EUT to the spectrum analyser and use the following settings for reference level measurement:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

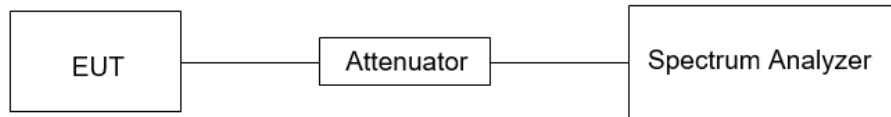
Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

Change the settings for emission level measurement:

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
measurement points	$\geq \text{span}/\text{RBW}$
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.4°C	Relative Humidity	52.1%
Atmosphere Pressure	101kPa		

TEST RESULTS

Please refer to section "Test Data" - Appendix A

Note: For all conducted spurious emissions measurements, the offset from cable loss and test system for whole test band was applied to the measurement result.

7.3. DUTY CYCLE

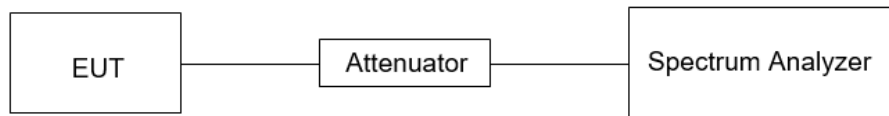
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.6 Zero – Span Spectrum Analyzer method.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.4°C	Relative Humidity	52.1%
Atmosphere Pressure	101kPa		

TEST RESULTS

Please refer to section "Test Data" - Appendix A

8. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (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

FCC Restricted bands of operation refer to FCC §15.205 (a):

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyser

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
8. measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, W dB, to the limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.5.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

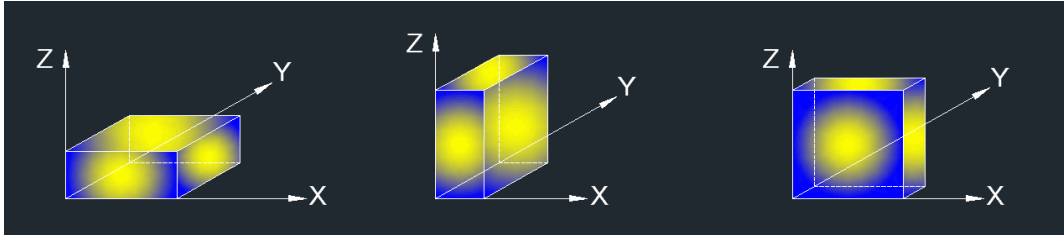
Above 1G

The setting of the spectrum analyser

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

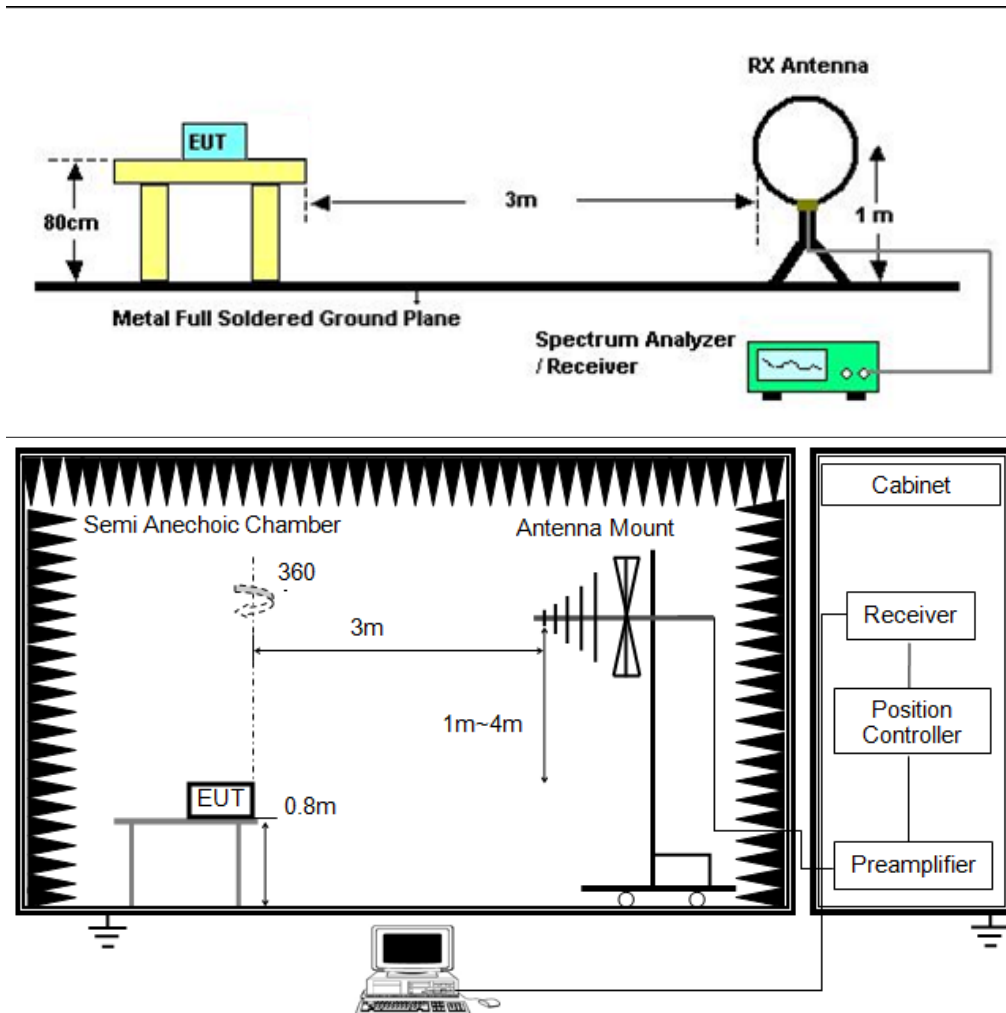
1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.1.ON TIME AND DUTY CYCLE.

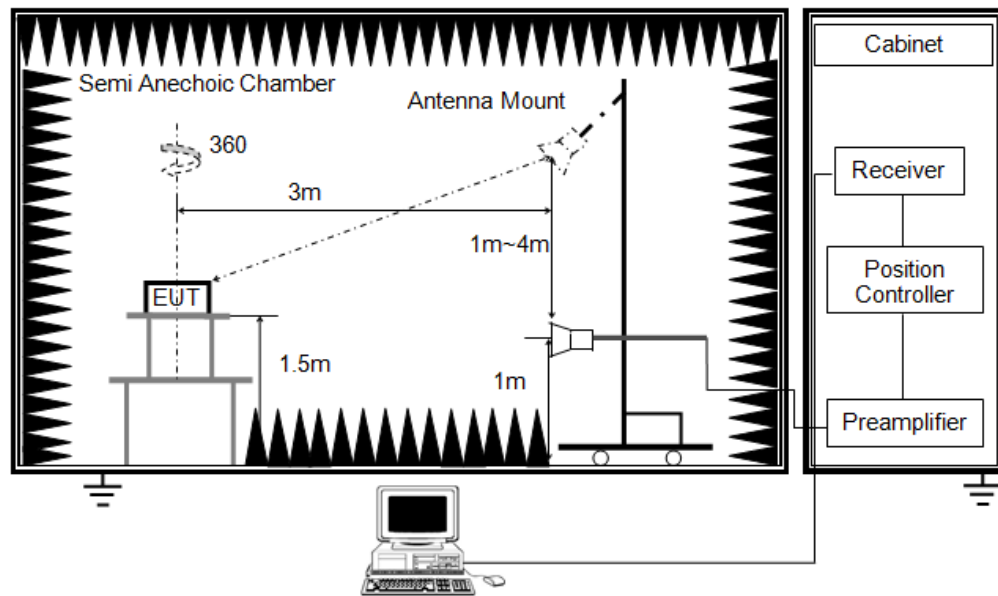
X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

TEST SETUP



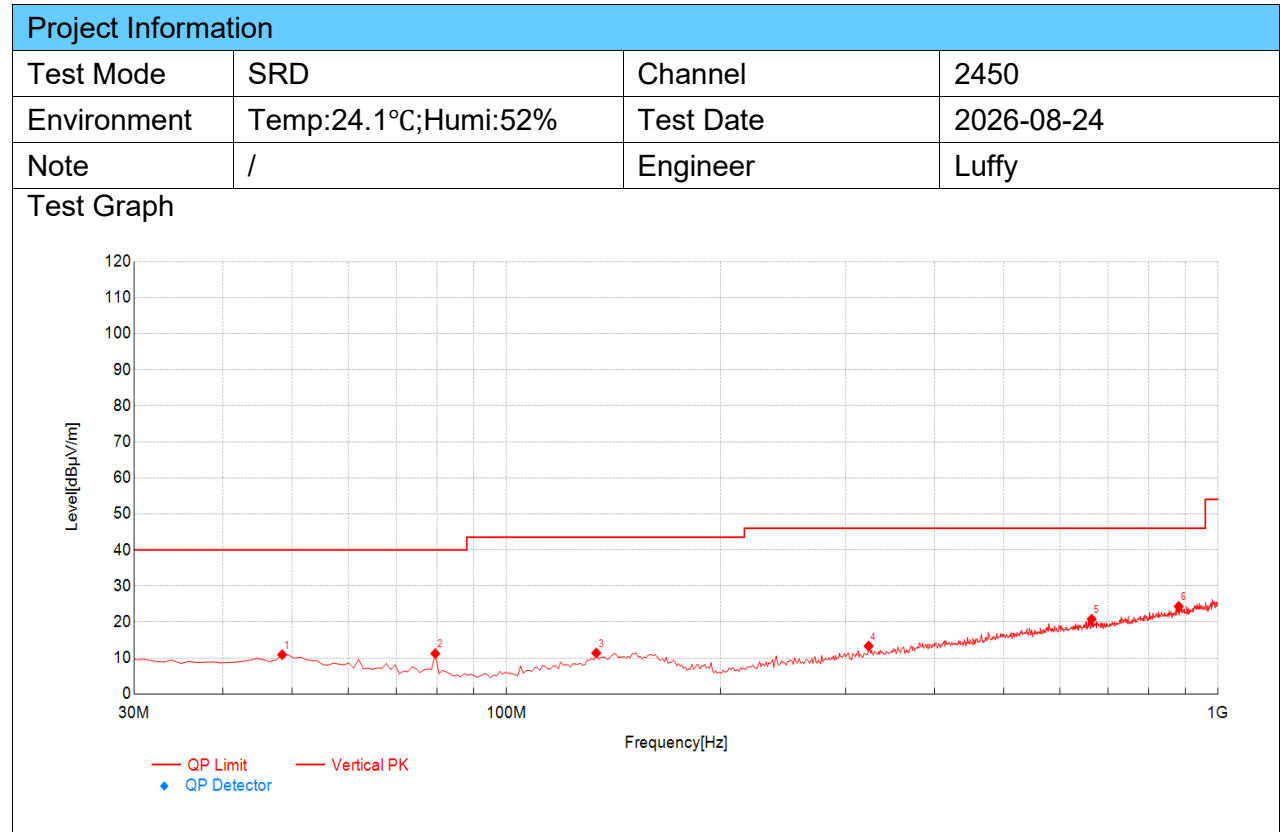
**TEST ENVIRONMENT**

Temperature	24.1℃	Relative Humidity	52%
Atmosphere Pressure	101kPa		

TEST RESULTS

- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)

The worst result as bellow:



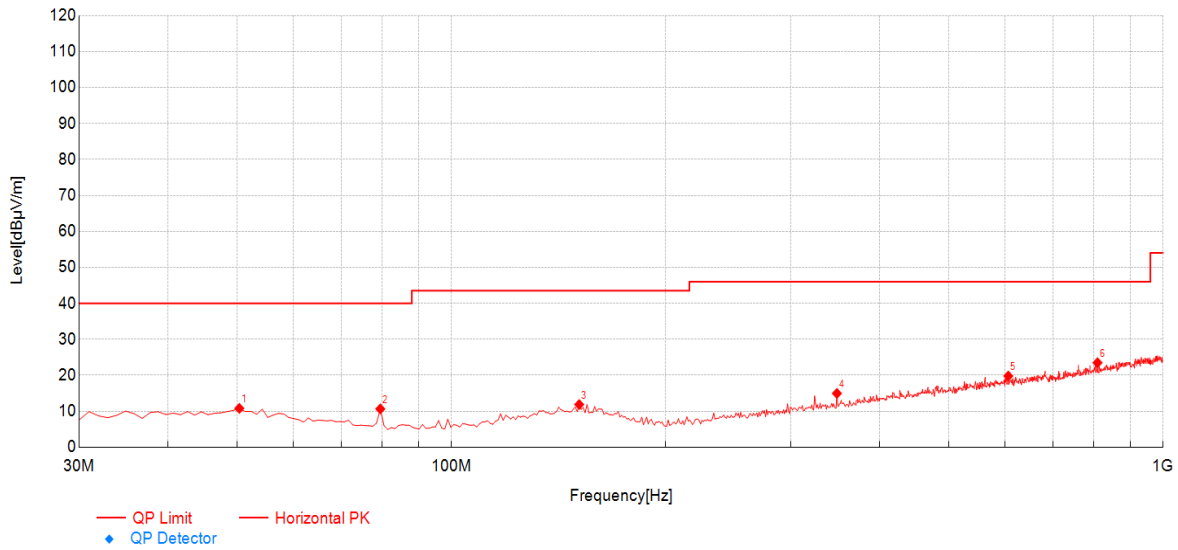
Suspected Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	48.43	29.57	10.92	-18.65	40.00	29.08	PK	Vertical	PASS
2	79.47	33.75	11.22	-22.53	40.00	28.78	PK	Vertical	PASS
3	133.79	30.37	11.40	-18.97	43.50	32.10	PK	Vertical	PASS
4	322.94	31.16	13.30	-17.86	46.00	32.70	PK	Vertical	PASS
5	664.38	30.57	20.78	-9.79	46.00	25.22	PK	Vertical	PASS
6	880.69	29.84	24.31	-5.53	46.00	21.69	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Project Information

Test Mode	SRD	Channel	2450
Environment	Temp:24.1°C;Humi:52%	Test Date	2026-08-24
Note	/	Engineer	Luffy

Test Graph



Suspected Data List

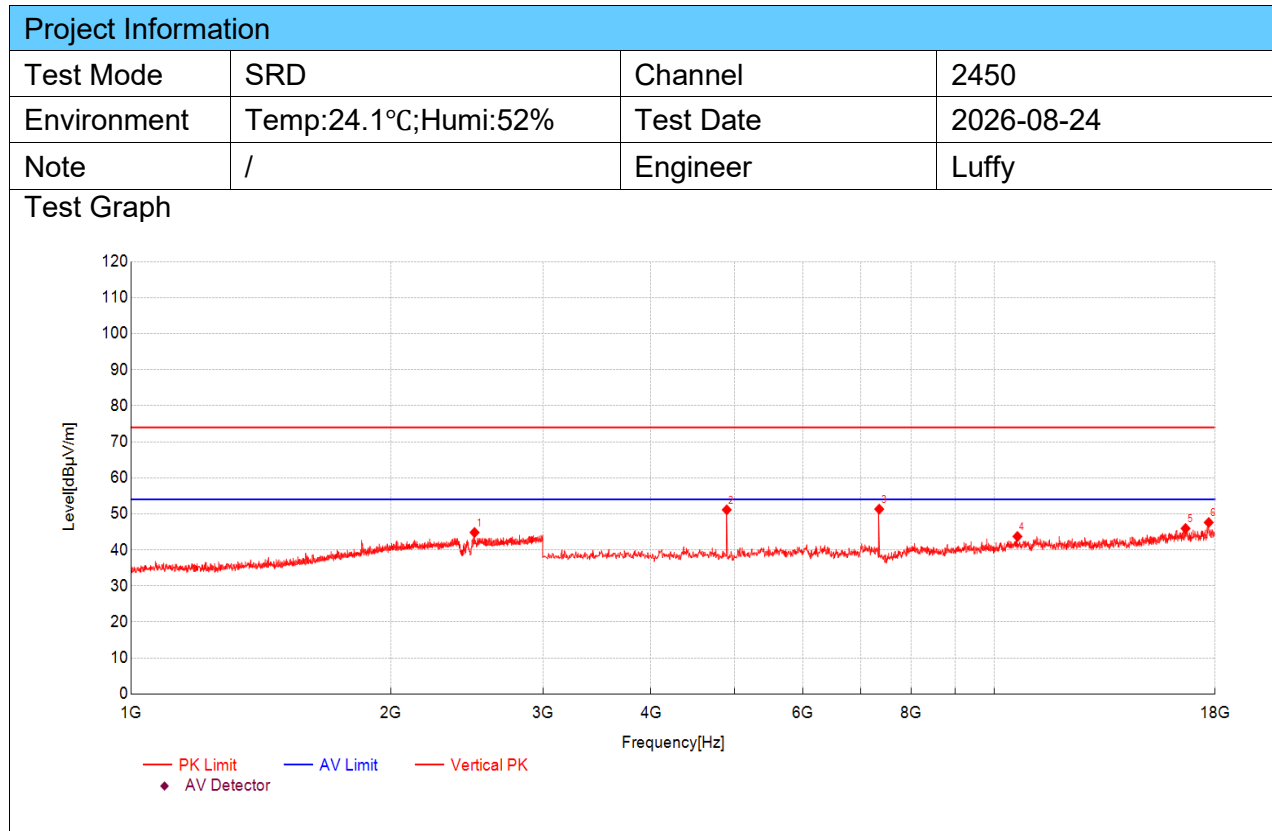
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	50.37	29.32	10.80	-18.52	40.00	29.20	PK	Horizontal	PASS
2	79.47	33.18	10.65	-22.53	40.00	29.35	PK	Horizontal	PASS
3	151.25	30.02	11.88	-18.14	43.50	31.62	PK	Horizontal	PASS
4	348.16	32.28	14.96	-17.32	46.00	31.04	PK	Horizontal	PASS
5	606.18	30.44	19.80	-10.64	46.00	26.20	PK	Horizontal	PASS
6	808.91	30.54	23.49	-7.05	46.00	22.51	PK	Horizontal	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

● Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

The worst result as bellow:



Suspected Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2498.50	53.23	44.82	-8.41	74.00	29.18	PK	Vertical	PASS
2	4895.63	62.36	51.13	-11.23	74.00	22.87	PK	Vertical	PASS
3	7351.45	59.49	51.31	-8.18	74.00	22.69	PK	Vertical	PASS
4	10627.54	49.06	43.73	-5.33	74.00	30.27	PK	Vertical	PASS
5	16639.55	47.02	45.95	-1.07	74.00	28.05	PK	Vertical	PASS
6	17699.90	47.44	47.61	0.17	74.00	26.39	PK	Vertical	PASS

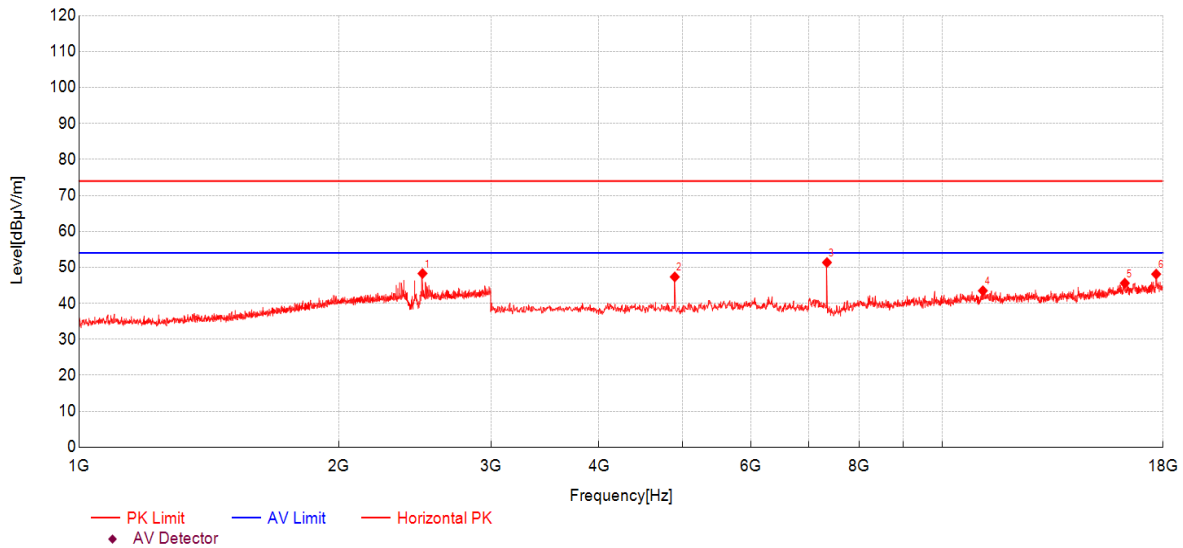
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Project Information

Test Mode	SRD	Channel	2450
Environment	Temp:24.1°C;Humi:52%	Test Date	2026-08-24
Note	/	Engineer	Luffy

Test Graph



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2498.50	56.71	48.30	-8.41	74.00	25.70	PK	Horizontal	PASS
2	4895.63	58.58	47.35	-11.23	74.00	26.65	PK	Horizontal	PASS
3	7346.45	59.56	51.35	-8.21	74.00	22.65	PK	Horizontal	PASS
4	11132.71	47.78	43.50	-4.28	74.00	30.50	PK	Horizontal	PASS
5	16254.42	46.29	45.60	-0.69	74.00	28.40	PK	Horizontal	PASS
6	17674.89	47.80	48.12	0.32	74.00	25.88	PK	Horizontal	PASS

Note:(1)Level=Reading+Factor

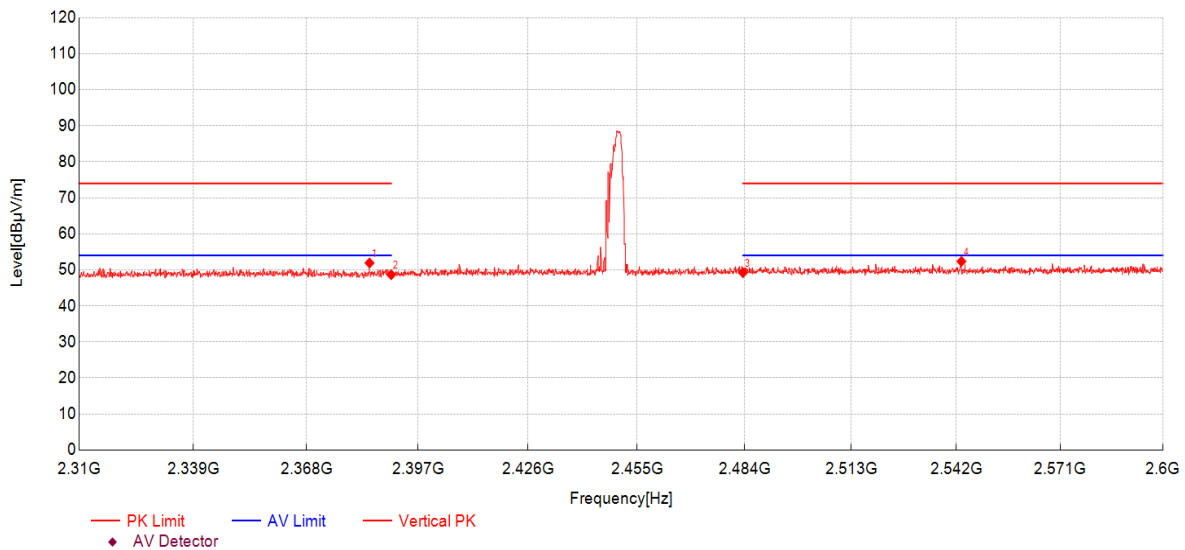
(2)Margin=Limit-Level

For the frequency above 18 GHz, a pre-scan was performed, and the result was 20 dB lower than the limit line, the test data was not shown in the report.

Project Information

Test Mode	SRD	Channel	2450
Environment	Temp:24.1°C;Humi:52%	Test Date	2026-08-24
Note	/	Engineer	Luffy

Test Graph



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.36	29.30	51.91	22.61	74.00	22.09	PK	Vertical	PASS
2	2390.00	25.93	48.65	22.72	74.00	25.35	PK	Vertical	PASS
3	2483.50	26.06	49.21	23.15	74.00	24.79	PK	Vertical	PASS
4	2543.43	29.13	52.35	23.22	74.00	21.65	PK	Vertical	PASS

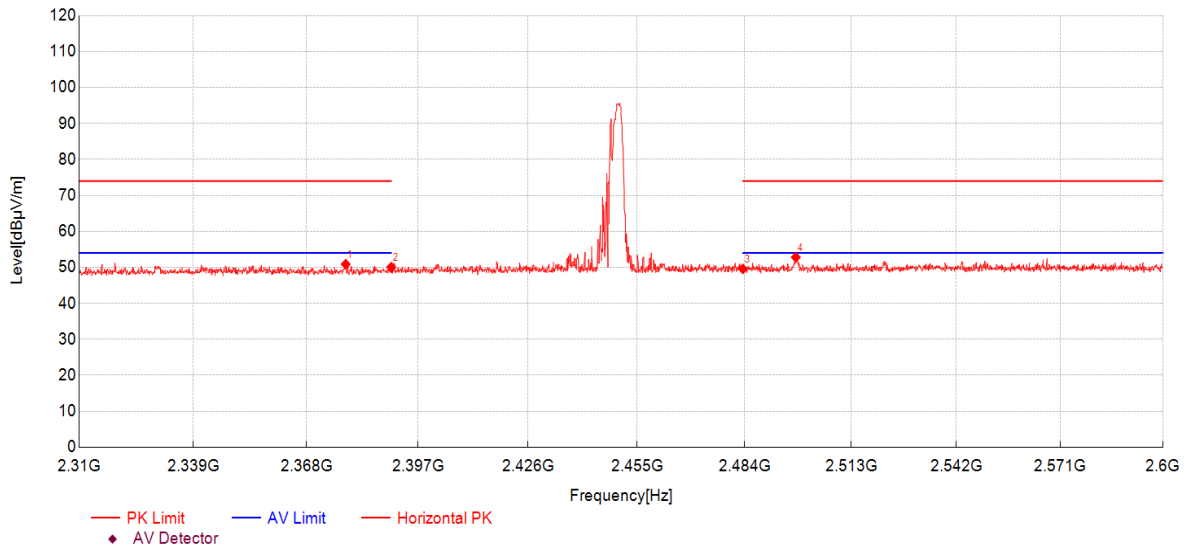
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Project Information

Test Mode	SRD	Channel	2450
Environment	Temp:24.1°C;Humi:52%	Test Date	2026-08-24
Note	/	Engineer	Luffy

Test Graph



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2378.17	28.33	50.87	22.54	74.00	23.13	PK	Horizontal	PASS
2	2390.00	27.33	50.05	22.72	74.00	23.95	PK	Horizontal	PASS
3	2483.50	26.42	49.57	23.15	74.00	24.43	PK	Horizontal	PASS
4	2497.89	29.69	52.81	23.12	74.00	21.19	PK	Horizontal	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC §15.203

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 shall be considered sufficient to comply with the provisions of this section. 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.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a)

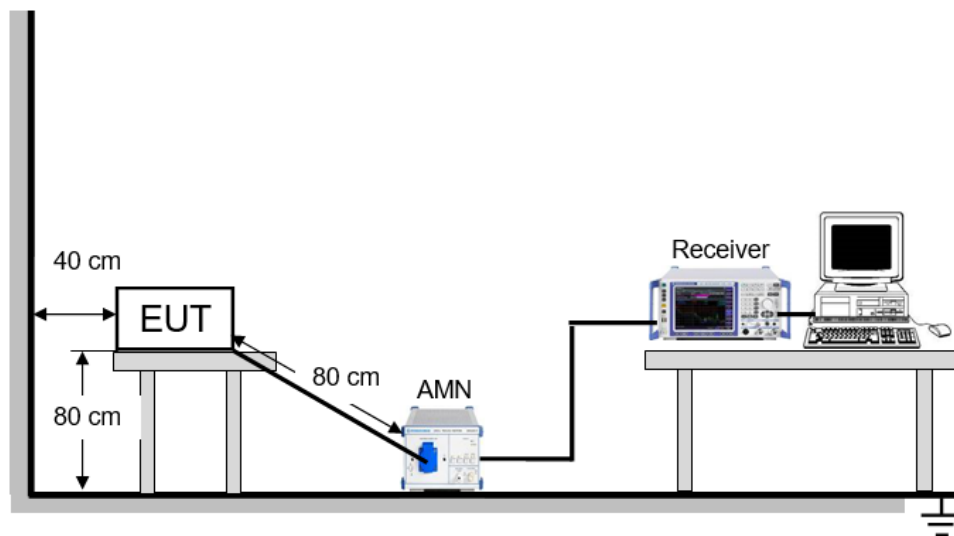
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2020. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

Temperature	/	Relative Humidity	/
Atmosphere Pressure	/		

TEST RESULTS

The EUT is powered by dry batteries and is not applicable to this project.

END OF REPORT