

TEST REPORT

Product Name : Electric Fireplace
Model Number : EF565C, EF655C,
EF781C
FCC ID : 2AKF6-EF781C

Prepared for : Ningbo Richen Electrical Appliance Co., Ltd.
Address : No.19 Yongdinghe Road, Xiapu, Beilun, Ningbo,
315807 Zhejiang, P.R.China

Prepared by : EMTEK (NINGBO) CO., LTD.
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Report Number : ENB2608210031W00301R
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1 TEST RESULT CERTIFICATION

Applicant	:	Ningbo Richen Electrical Appliance Co., Ltd.
Address	:	No.19 Yongdinghe Road, Xiapu, Beilun, Ningbo, 315807 Zhejiang, P.R.China
Manufacturer	:	Ningbo Richen Electrical Appliance Co., Ltd.
Address	:	No.19 Yongdinghe Road, Xiapu, Beilun, Ningbo, 315807 Zhejiang, P.R.China
EUT	:	Electric Fireplace
Model Name	:	EF565C, EF655C, EF781C
Trademark	:	N/A

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C	PASS

The above equipment was tested by EMTEK(NINGBO) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2020) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2, Part 15.247.

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

Date of Test : August 21, 2026 to September 21, 2026

Prepared by : WK Luo
WK Luo /Engineer

Reviewer : Monsieur Li
Monsieur Li /Supervisor

Approved & Authorized Signer : Tony Wei
Tony Wei /Manager

Modified History

Version	Report No.	Revision Date	Summary
/	ENB2608210031W00301R	/	Original Report



2 EUT TECHNICAL DESCRIPTION

Characteristics	Description
Product:	Electric Fireplace
Model Number:	EF565C, EF655C, EF781C Note: All the models differ only in terms of their appearance dimensions, while the circuit diagrams, PCB layouts, etc. are the same. For details on the differences, please refer to the model differences information. We chose the EF781C model for the test.
IEEE 802.11 WLAN Mode Supported:	802.11b 802.11g 802.11n(20MHz channel bandwidth)
Modulation:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Operating Frequency Range:	2412-2462MHz for 802.11b/g/n(HT20);
Number of Channels:	11 Channels for 802.11b/g/n(HT20);
Antenna Port:	SISO
Antenna Type:	PCB Antenna
Antenna Gain:	2.54 dBi
Test Voltage:	AC 120V/60Hz
Temperature Range:	-40 °C ~ +105 °C

3 SUMMARY OF TEST RESULT

FCC Part Clause	Test Parameter	Verdict	Remark
15.247(a)(2)	DTS (6dB) Bandwidth	PASS	
15.247(b)(3)	Maximum Peak Conducted Output Power	PASS	
15.247(e)	Maximum Power Spectral Density Level	PASS	
15.247(d)	Unwanted Emission Into Non-Restricted Frequency Bands	PASS	
15.247(d) 15.209	Unwanted Emission Into Restricted Frequency Bands (conducted)	PASS	
15.247(d) 15.209	Radiated Spurious Emission	PASS	
15.207	Conducted Emission Test	PASS	
15.247(b)	Antenna Application	PASS	
	NOTE1:N/A (Not Applicable) NOTE2: According to FCC OET KDB 558074, the report use radiated measurements in the restricted frequency bands. In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.		

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for **FCC ID: 2AKF6-EF781C** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

4.2 MEASUREMENT EQUIPMENT USED

Conducted Emission Test Equipment

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-002	EMI Test Receiver	R & S	ESCI	101107	June 04, 2026	1 Year
ENE-343	L.I.S.N	Schwarzbeck	NNLK 8129	0373	March 02, 2026	1 Year
ENE-335	L.I.S.N	Schwarzbeck	NSLK 8126	8126-05058	June 03, 2026	1 Year
ENE-337	Pulse Limiter	Compliance Direction Systems Lnc	PLA-10N	83602203001	Oct. 23, 2025	1 Year
ENE-150	Conduction Test Room 2#	SKET	6.5*5*4m	/	March 04, 2025	3 Year

For Spurious Emissions Test

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-185	EMI Test Receiver	R&S	ESR7	102480	March 02, 2026	1 Year
ENE-188	Low Frequency Field Antenna	Schwarzbeck	FMZB 1513-60	00026	June 26, 2025	3 Year
ENE-190	Antenna Multiple	Schwarzbeck	VULB 9163	01499	March 09, 2025	3 Year
ENE-195	Pre-Amplifier	JS Denki	PA09K03-40	JSPA21019	March 02, 2026	1 Year
ENE-204	Low Frequency Notch Filter RF Switching	JS Denki	JSDSW-F	JSDSW2211D02	March 02, 2026	1 Year
ENE-251	6dB Attenuator	Mini-Circuits	UNAT-6+	11542	June 03, 2026	1 Year
ENE-144	3-Meter Anechoic Chamber2#	SKET	9*6*6m	/	June 21, 2025	3 Year
ENE-171	EXA Signal Analyzer	KEYSIGHT	N9010B	MY60242467	Oct. 24, 2025	1 Year
ENE-191	Horn Antenna	Schwarzbeck	BBHA 9120 D	02588	March 09, 2025	3 Year
ENE-198	Pre-Amplifier	JS Denki	PA0118-50	JSPA21022	March 02, 2026	1 Year
ENE-206	High Frequency Notch FilterRf Switching	JS Denki	JSDSW-F	202083582	March 02, 2026	1 Year

For other test items:

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-253	EXG Analog Singnal Generator	Keysight	N5173B	MY61253062	June 03, 2026	1 Year
ENE-254	MXG Vector Singnal Generator	Keysight	N5182B	MY61350131	June 03, 2026	1 Year
ENE-255	Frepuecy Extender	Keysight	N5183BX07	MY61500104	June 03, 2026	1 Year
ENE-256	EXA Signal Anaalyzer	Keysight	N9010B	MY62060219	June 03, 2026	1 Year
ENE-257	WIRELESS CONNECTIVITY TESTER	ROHDE & SCHWARZ	CMW 270	1201.0002 K75-102608-Pb	June 03, 2026	1 Year
ENE-172	RF Control Unit	Tonscend	JS0806-2(V.6 E)	21L8060521	March 02, 2026	1 Year
ENE-092	DC Power Supply	KEFUNA	KDP3603	2004D3062946	June 03, 2026	1 Year
ENE-093	Attenuator 10dB	talent Microwave	TA10A2-S-18	N/A	June 03, 2026	1 Year
ENE-094	Attenuator 20dB	talent Microwave	TA20A2-S-18	N/A	June 03, 2026	1 Year

4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

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

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

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (802.11b: 1 Mbps; 802.11g: 6 Mbps; 802.11n (HT20): MCS0;) were used for all test.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Frequency and Channel list for 802.11 b/g/n(HT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447		

Test Frequency and Channel for 802.11 b/g/n(HT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	6	2437	11	2462

Multi-antenna correlation:

☐	Transmit Signals are Correlated
	Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi
☐	All Transmit Signals are Completely Uncorrelated
	Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / N_{ANT}]$ dBi
Directional gain = $10 \log [(10^{1.67/20} + 10^{1.24/20})^2 / 2]$ dBi=4.47dBi	

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at:

EMTEK (NINGBO) CO., LTD.

No. 8, Building 8, Lane 216, Qingyi Road, Ningbo High-Tech Zone, Ningbo, Zhejiang, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L6666.

The Laboratory has been assessed and proved to be in compliance with
CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)

Designation by FCC

Designation Number: CN1354

Test Firm Registration Number: 427606

Accredited by A2LA

The Certificate Number is 4321.03.

Accredited by ISED

The Conformity Assessment Body Identifier is CN0114

Name of Firm : EMTEK (NINGBO) CO., LTD.

Site Location : No. 8, Building 8, Lane 216, Qingyi Road, Ningbo High-Tech Zone,
Ningbo, Zhejiang, China

6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

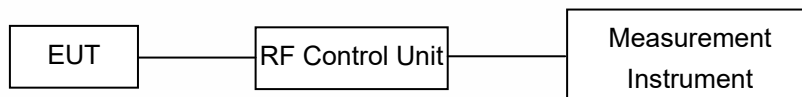
Test Parameter	Measurement Uncertainty
Frequency error	$\pm 20\text{Hz}$
Occupied Bandwidth	$\pm 0.5\text{KHz}$
Transmitter output power	$\pm 0.6\text{dB}$
Conducted spurious emissions	$\pm 3.2\text{dB}$
Radiated spurious emissions	$\pm 4.5\text{dB}$
Temperature	$\pm 1.2^{\circ}\text{C}$
Humidity	$\pm 3\%$
DC voltages	$\pm 0.25\text{V}$
Time	$\pm 1\%$

Measurement Uncertainty for a level of Confidence of 95%

7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP 1

The WLAN component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP 2

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020 and CAN/CSA-CEI/IEC CISPR 22.

The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

Above 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Measurements shall be taken, using the following steps, at a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment (see RSS-Gen for applicable versions of ANSI and CISPR standards).

(1) Line the ground plane with absorbers between the transmitter and the receive antenna to minimize reflections. The absorbers used should have a minimum-rated attenuation of 20 dB through the measurement frequency range of interest. The absorbers shall be positioned to replicate the layout used when compliance with the applicable acceptability criterion was achieved, as set forth in the aforementioned standards on site validation.

(2) Set the height of the receive antenna to 1.5 m. The receive antenna must be one that was designed and fabricated to operate over the entire frequency range of interest, for example, an appropriate standard gain horn.

(3) The distance between the receive antenna and the radiating source shall be sufficient in order to ensure far-field conditions.

(4) Mount the transmitter at a height of 1.5 m.

(5) Configure the device under test (DUT) to produce the maximum power spectral density as measured while assessing compliance with Section 6.2.2 (i.e. channel frequency, modulation type and data rate). If the DUT is equipped with a detachable antenna and the antenna is intended for remote installation (i.e. tower-mounted), the DUT may be substituted with a suitable signal generator. The level and frequency settings on the generator shall be set so as to reproduce the maximum power spectral density, measured

within a 1 MHz bandwidth, obtained while assessing compliance to Section 6.2.2.

(6) Position the transmitter or the radiating antenna so that elevation pattern measurements can be taken.

(7) Find the 0° reference point in the horizontal plane.

(8) Care should be taken when positioning the receive antenna to avoid cross-polarization. Antennas of known mounting polarization should be assessed with the receive antenna oriented in the same polarity. If the polarization of the transmit antenna is unknown or the transmit antenna can be mounted in either polarization, e.i.r.p. measurements should be performed to find which mounting polarity provides the highest e.i.r.p. value. Testing shall be carried out with the receive antenna and the DUT mounted in each polarity.

(9) The emission shall be centred on the display of the spectrum analyzer with the following settings:

i. If the power spectral density of the DUT was assessed with a peak detector and the antenna cannot be detached from the DUT, the spectrum analyzer shall be set to a peak detector with a resolution bandwidth and video bandwidth of 1 MHz.

ii. If the power spectral density of the DUT was assessed using a sample detector with power averaging and the antenna cannot be detached from the DUT, the spectrum analyzer shall be set to a sample detector, configured to produce 100 power averages and set with a resolution bandwidth, as well as a video bandwidth of 1 MHz.

iii. If the antenna can be detached from the DUT, a continuous wave (CW) signal equal to that of the power spectral density measurement may be used, the spectrum analyzer shall be set to peak detector with a resolution bandwidth and video bandwidth of 1 MHz.

(10) Rotate the turntable 360° recording the field strength at each step. Throughout the main beam of the antenna, the step size shall be kept to a maximum of 1°.

Once outside the main beam of the antenna, the maximum step size shall be as follows, when compared to the requirements of Section 6.2.2:

i. Between 0° and 8°, maximum step size of 2°;

ii. Between 8° and 40°, maximum step size of 4°;

iii. Between 40° and 45°, maximum step size of 1°;

iv. Between 45° and 90°, maximum step size of 5°.

Once the mask reaches 90°, the mask will be inverted and the step size will follow in the same manner as above.

For the purpose of this procedure, the main beam of the antenna is defined as the 3 dB beamwidth.

(11) Convert the measured field strength values in terms of e.i.r.p. density (dBW/1 MHz) using the following equation:

$$\text{e.i.r.p. density (dBW/MHz)} = 10 \log((E \cdot r)^2 / 30)$$

E = field strength in V/m

r = measurement distance in metres

(12) Plot the results against the emission mask with reference to the horizontal plane.

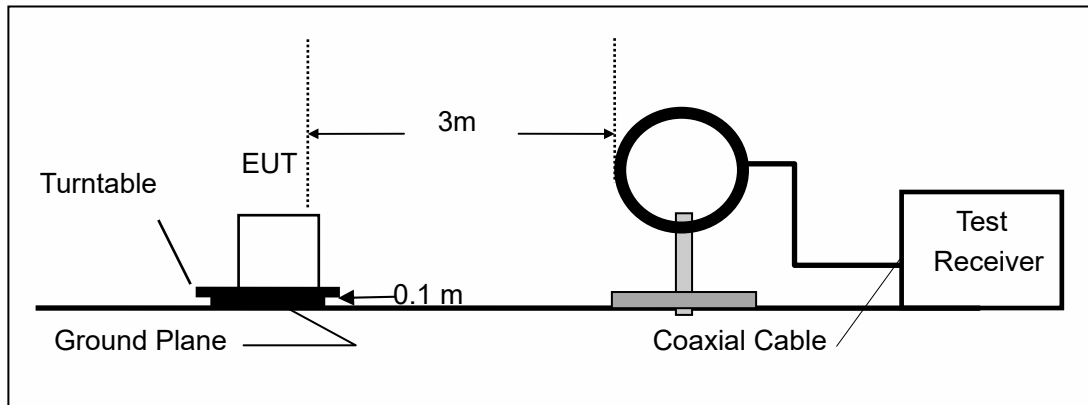
(13) Using the plot, the 0° can be rotated to determine the worst-case installation tilt angle.

(14) Testing shall be performed using the highest gain antenna for every antenna type, if applicable.

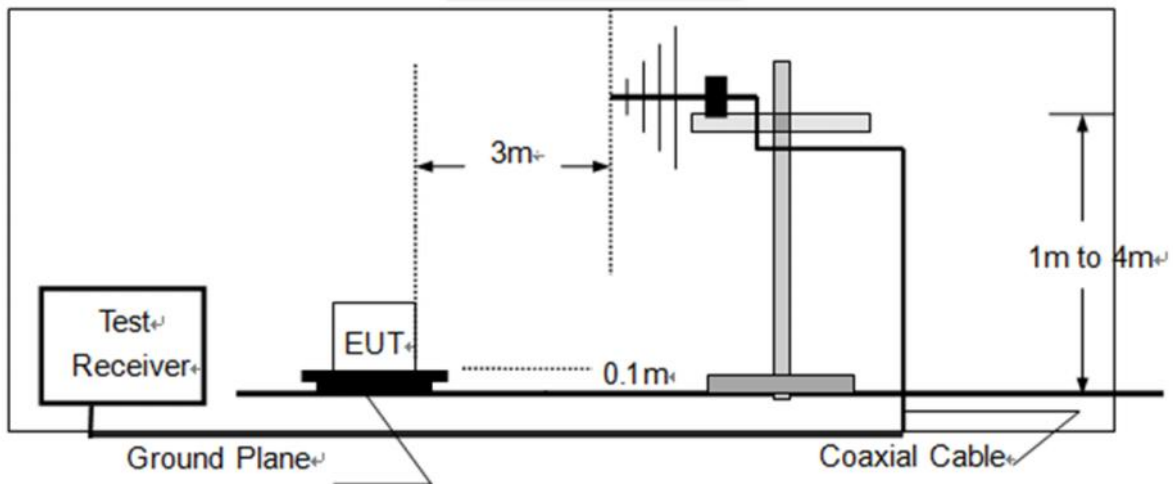
(15) Antenna type(s), antenna model number(s), and worst-case tilt angle(s) necessary to remain compliant with the elevation mask requirement set forth in Section 6.2.2(3) of RSS-247 shall be clearly indicated in the user manual.

The following figure is an example of a polar elevation mask measured using the Method 1 reference to dBμV/m at 3 m.

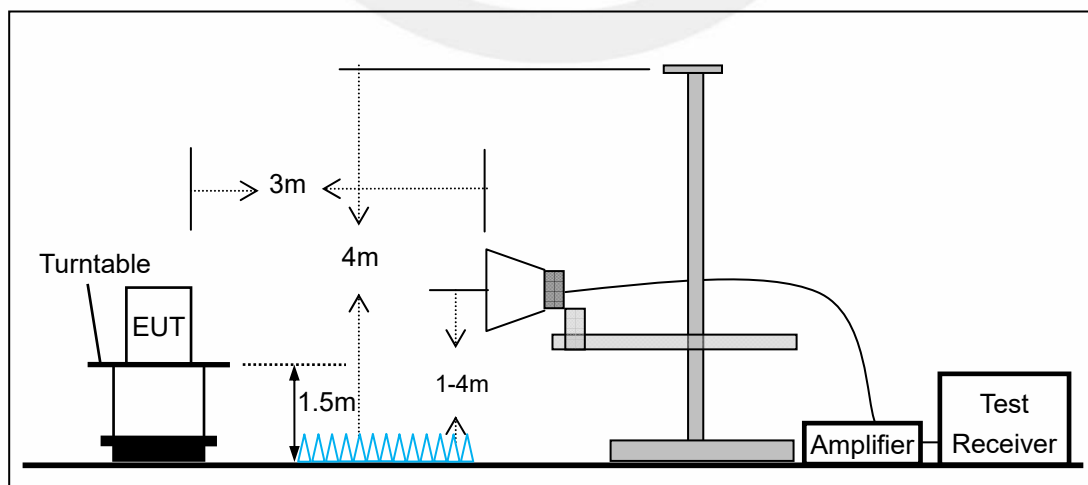
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

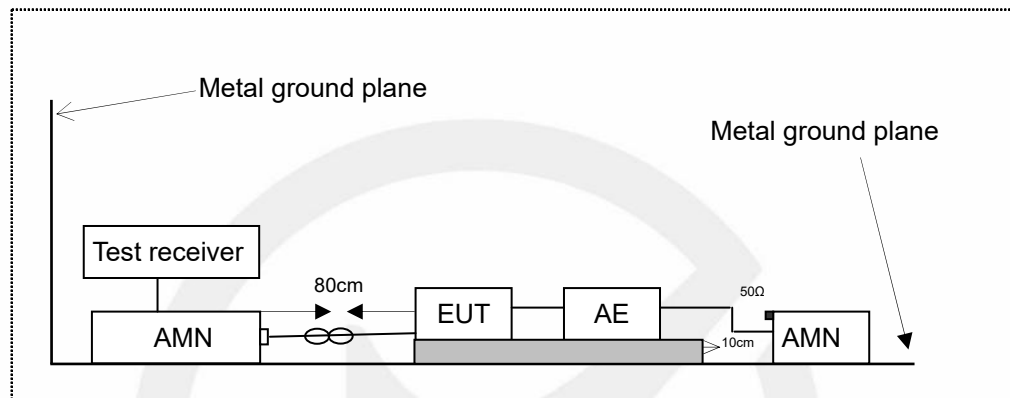


7.3 CONDUCTED EMISSION TEST SETUP

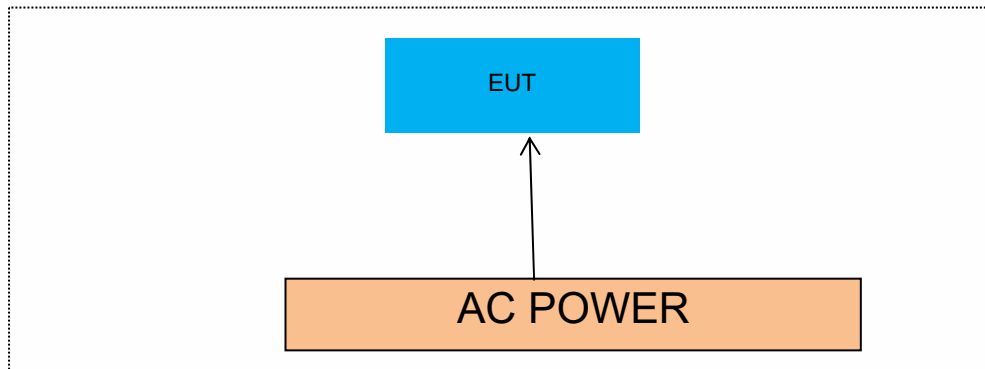
The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.8 m.

According to the requirements in Section 13.1.4.1 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.



7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



7.5 SUPPORT EQUIPMENT

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

8 TEST REQUIREMENTS

8.1 DTS 6DB BANDWIDTH

8.1.1 Applicable Standard

According to FCC Part15.247 (a)(2) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.1.2 Conformance Limit

The minimum -6 dB bandwidth shall be at least 500 kHz.

8.1.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.1.4 Test Procedure

The EUT was operating in WIFI mode and controlled its channel. Printed out the test result from the spectrum by hard copy function.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 100 kHz.

Set the video bandwidth (VBW) =300kHz.

Set Span=2 times OBW

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Allow the trace to stabilize.

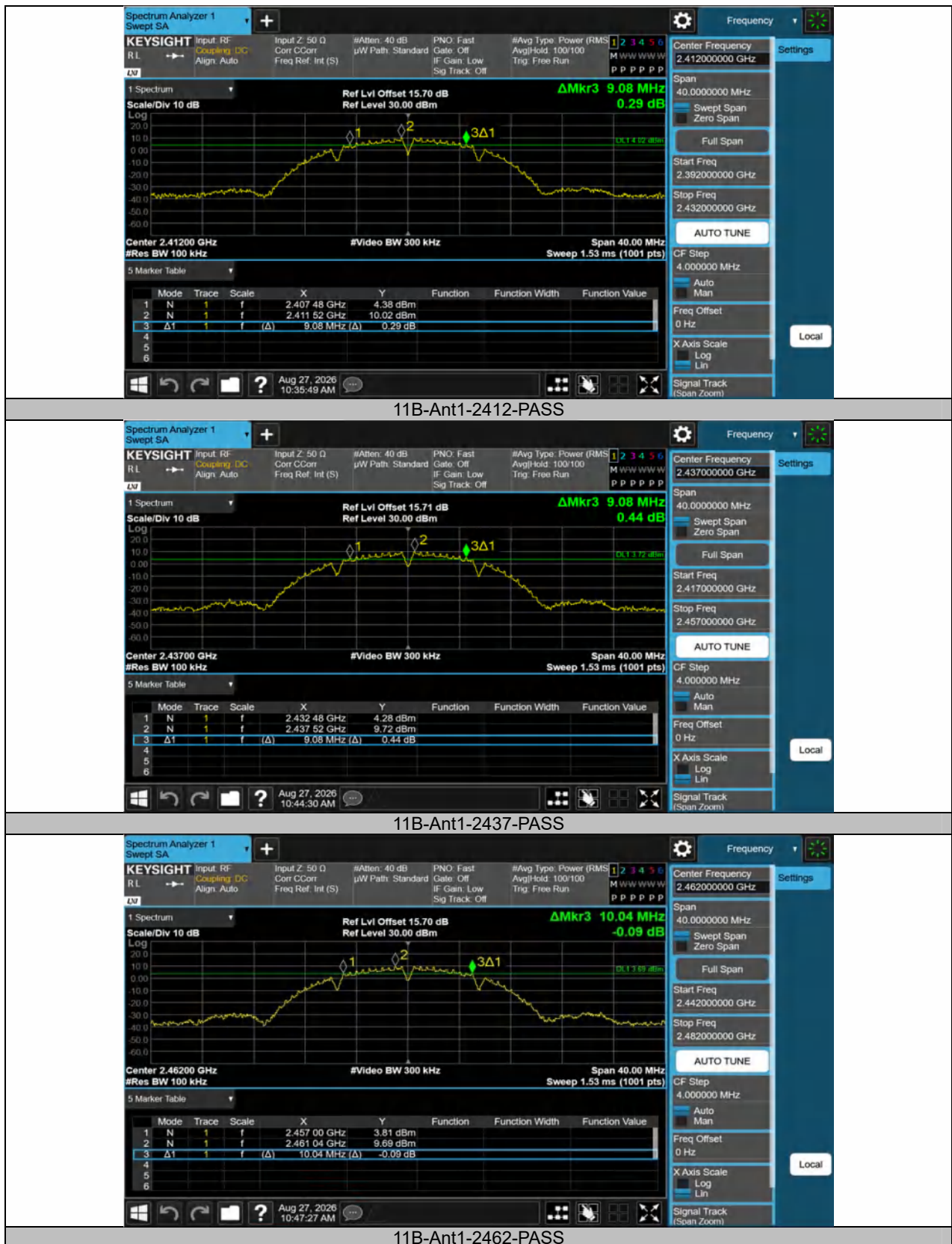
Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

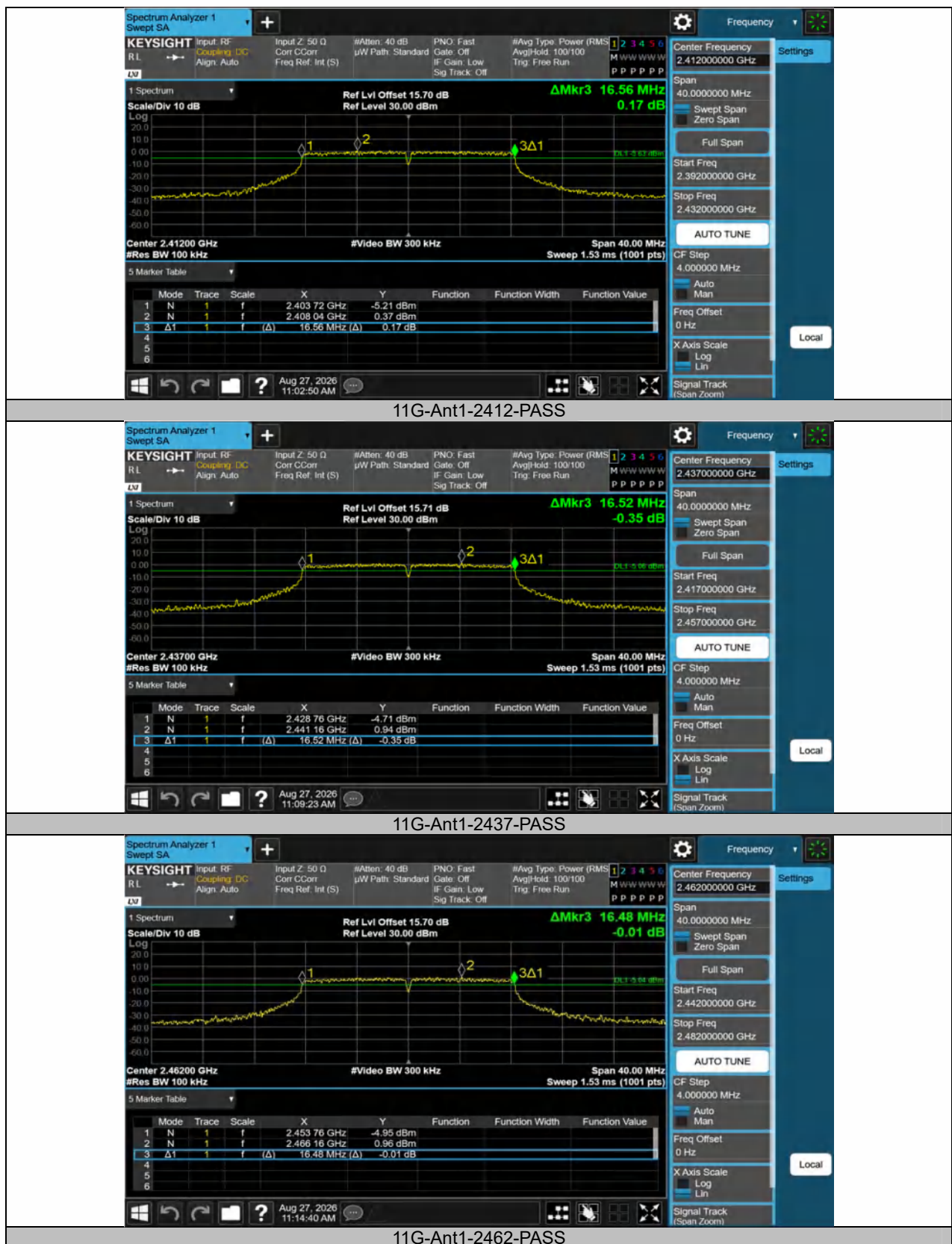
Measure and record the results in the test report.

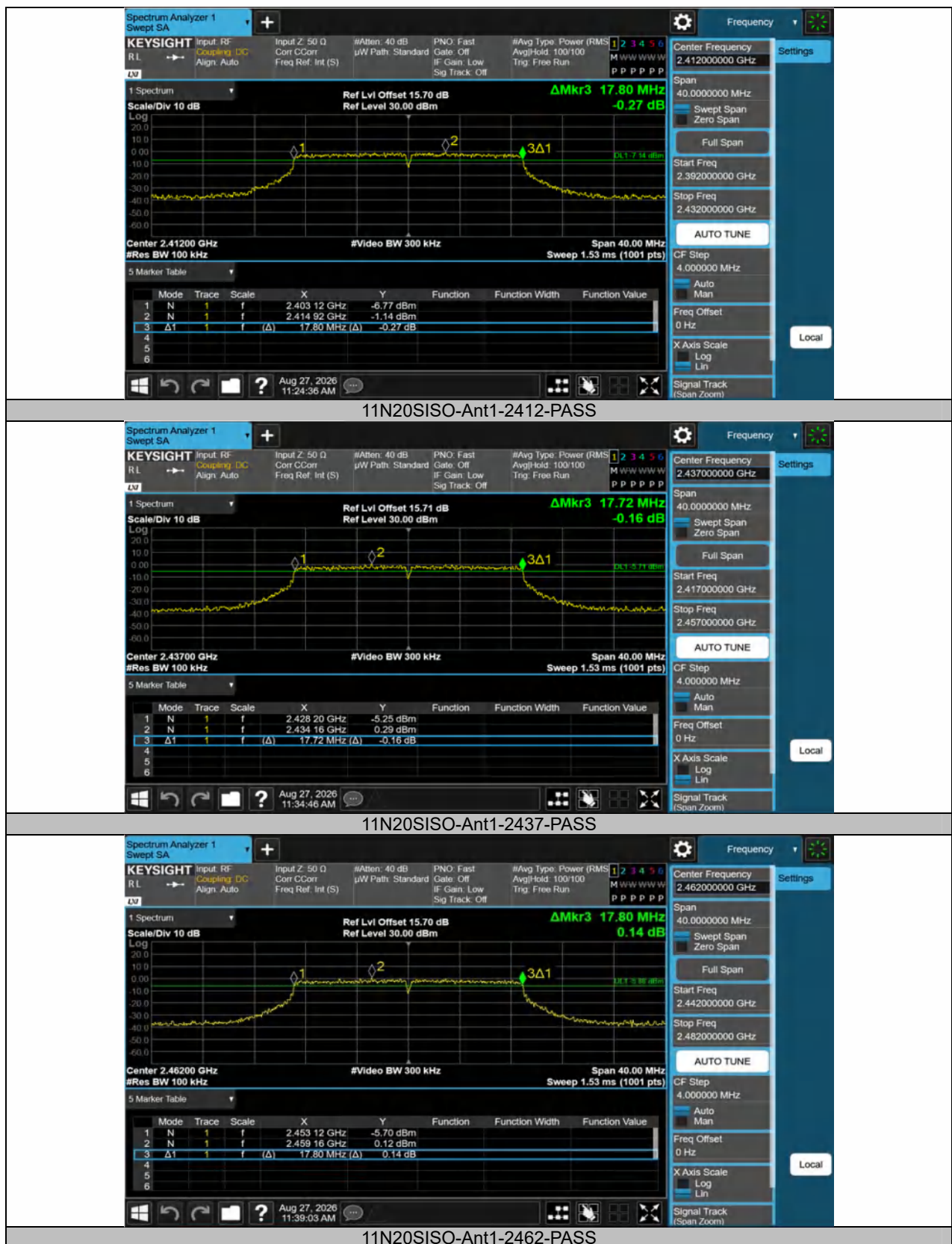
8.1.5 Test Results

Temperature:	25°C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.480	2416.560	0.5	PASS
11B	Ant1	2437	9.080	2432.480	2441.560	0.5	PASS
11B	Ant1	2462	10.040	2457.000	2467.040	0.5	PASS
11G	Ant1	2412	16.560	2403.720	2420.280	0.5	PASS
11G	Ant1	2437	16.520	2428.760	2445.280	0.5	PASS
11G	Ant1	2462	16.480	2453.760	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.800	2403.120	2420.920	0.5	PASS
11N20SISO	Ant1	2437	17.720	2428.200	2445.920	0.5	PASS
11N20SISO	Ant1	2462	17.800	2453.120	2470.920	0.5	PASS







8.2 DTS 99%BANDWIDTH

8.2.1 Applicable Standard

According to KDB 558074 D01 DTS Meas Guidance v05r02

8.2.2 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.2.3 Test Procedure

The EUT was operating in Bluetooth mode and controlled its channel. Printed out the test result from the spectrum by hard copy function.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 1%-5% OBW.

Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.

Set Span=approximately 2 to 3 times the 20 dB bandwidth.

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Allow the trace to stabilize.

Use the 99 % power bandwidth function of the instrument

Measure the maximum width of the emission.

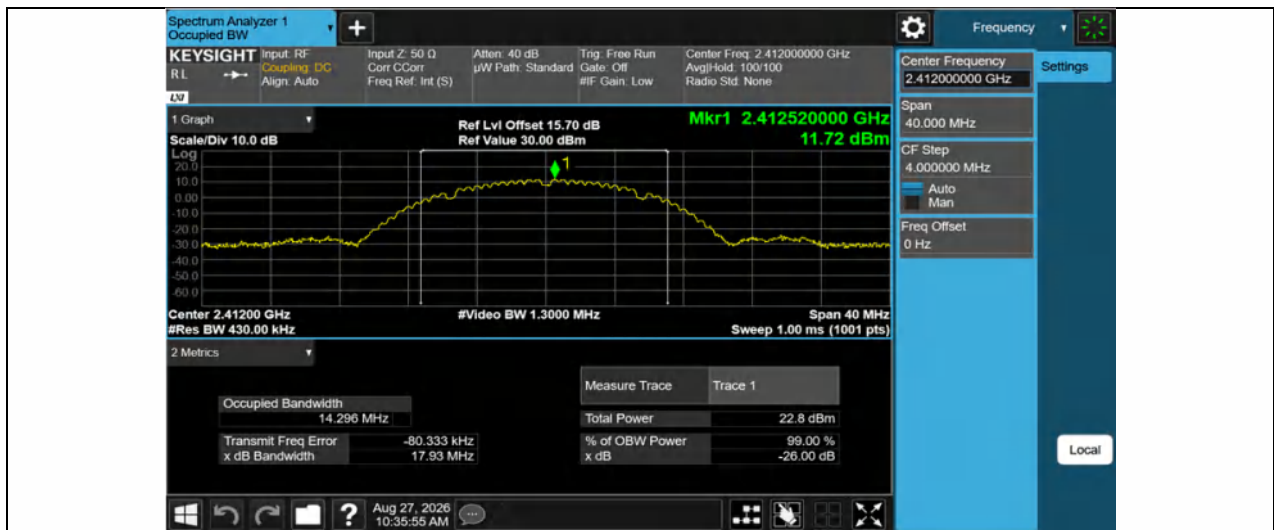
If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation.

Measure and record the results in the test report.

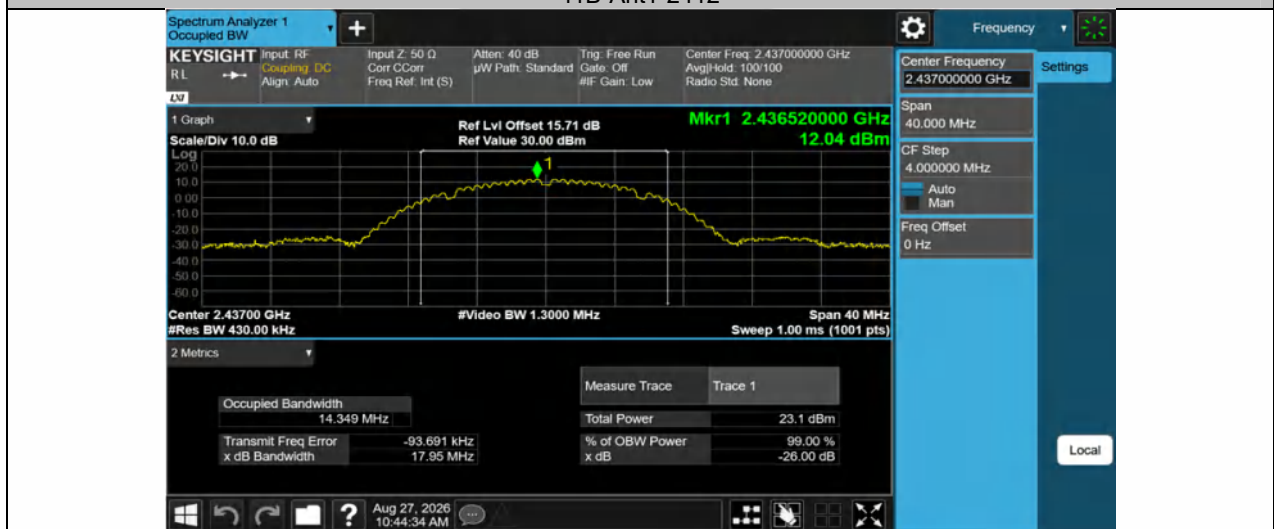
8.2.4 Test Results

Temperature:	25°C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

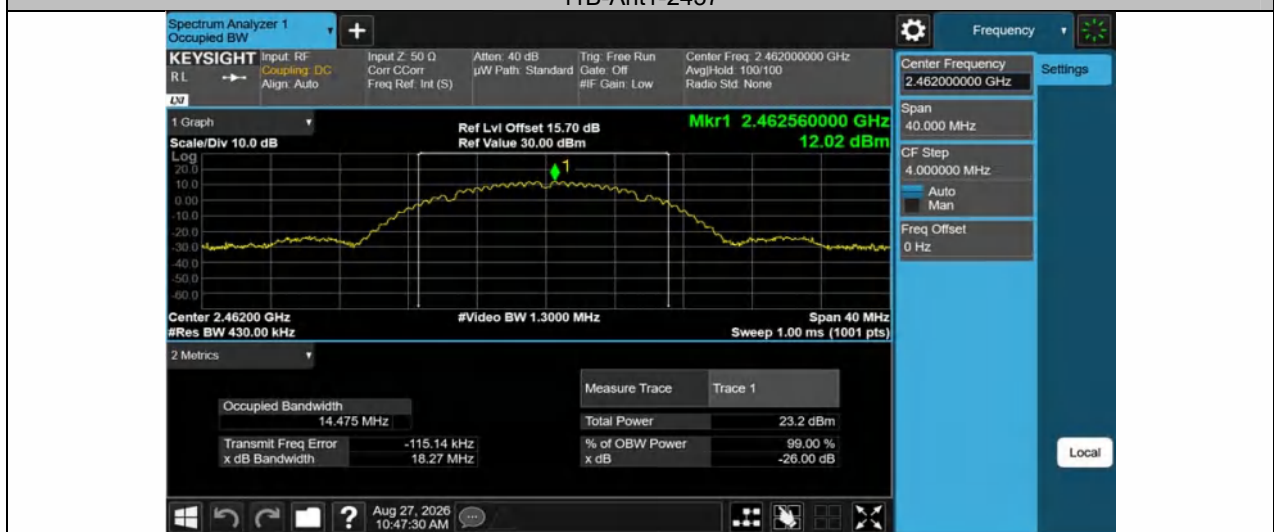
Test Mode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	14.296	2404.7717	2419.0677	---	---
11B	Ant1	2437	14.349	2429.7318	2444.0808	---	---
11B	Ant1	2462	14.475	2454.6474	2469.1224	---	---
11G	Ant1	2412	17.100	2403.4107	2420.5107	---	---
11G	Ant1	2437	17.211	2428.3224	2445.5334	---	---
11G	Ant1	2462	17.183	2453.3399	2470.5229	---	---
11N20SISO	Ant1	2412	18.240	2402.8773	2421.1173	---	---
11N20SISO	Ant1	2437	18.169	2427.9463	2446.1153	---	---
11N20SISO	Ant1	2462	18.236	2452.8993	2471.1353	---	---



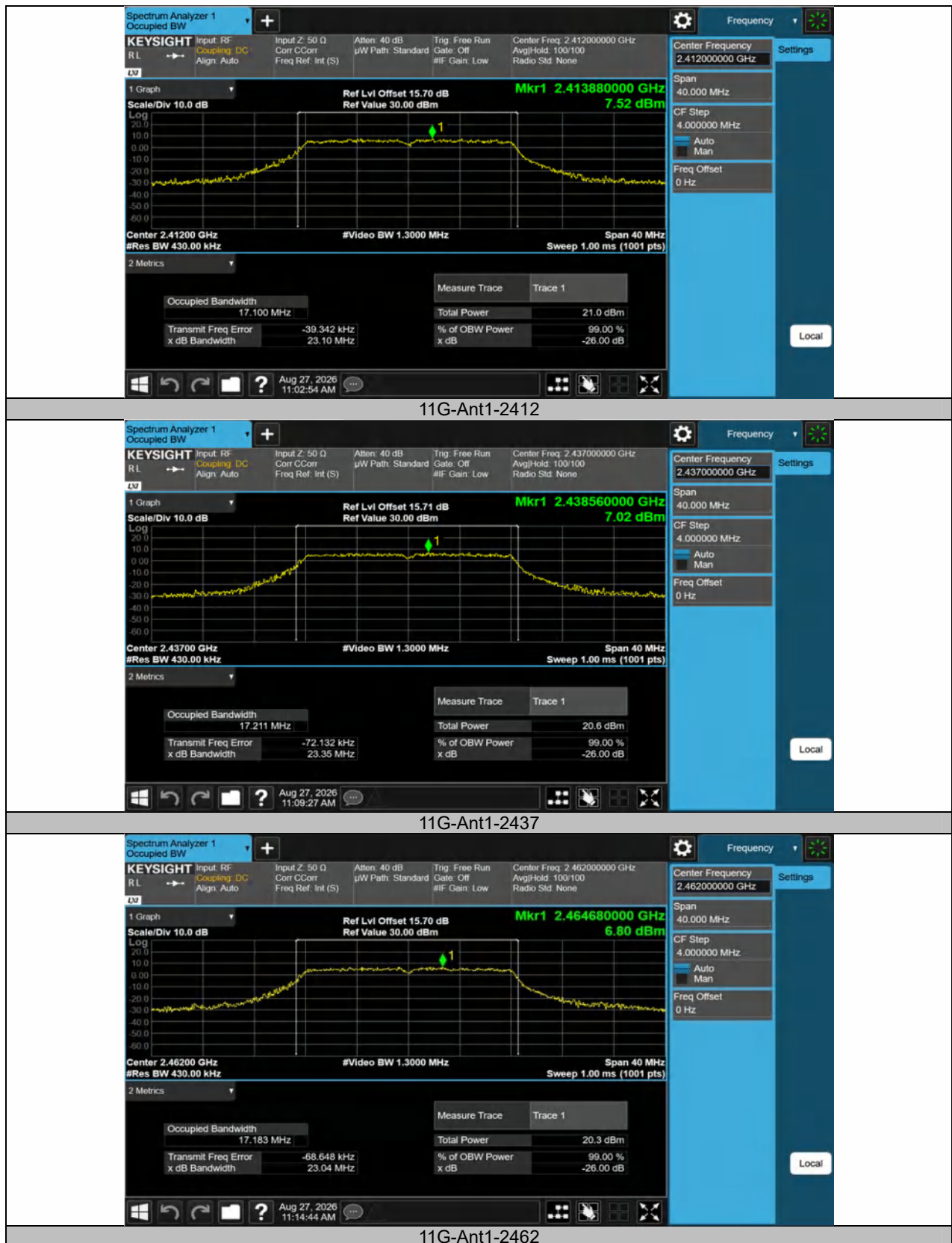
11B-Ant1-2412

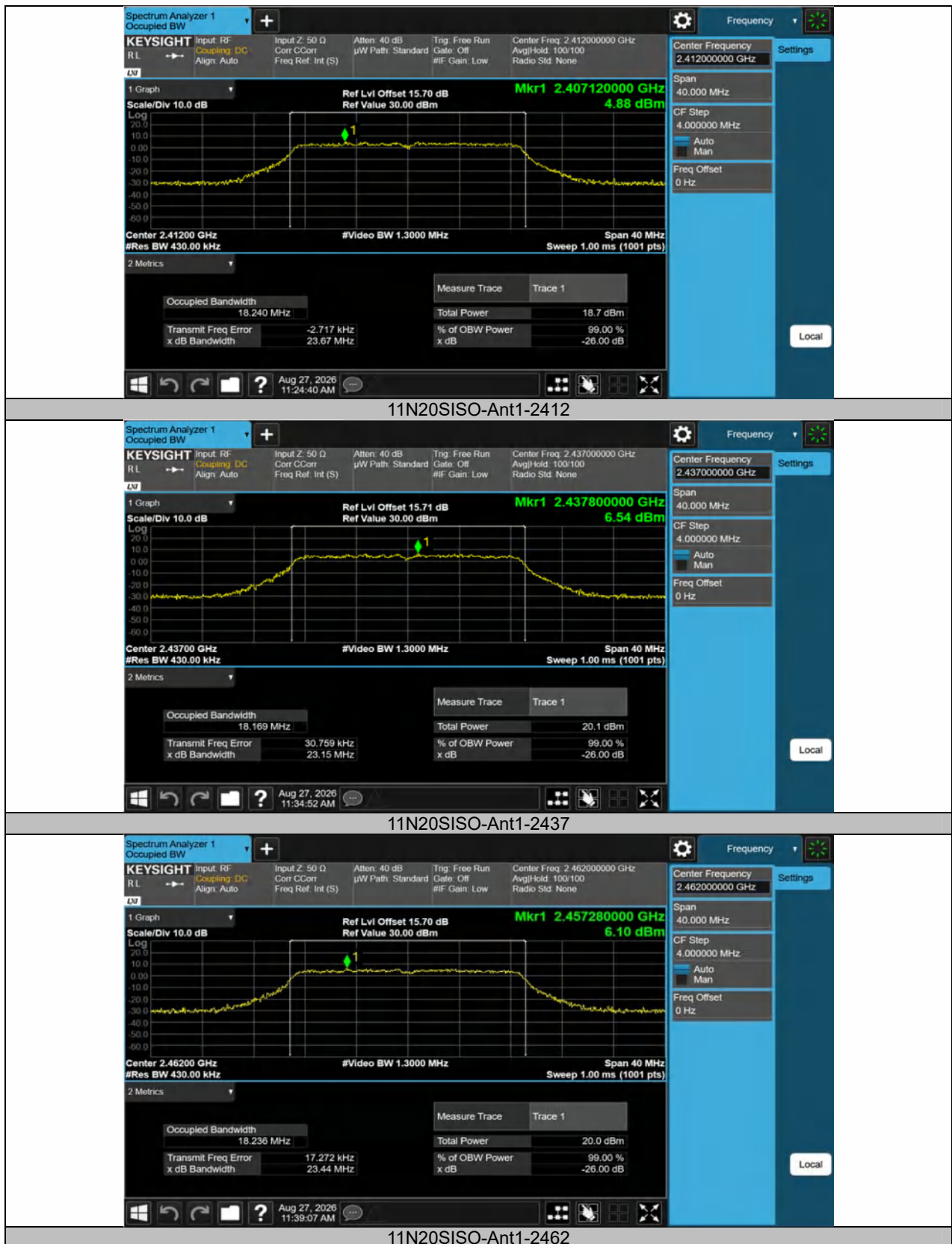


11B-Ant1-2437



11B-Ant1-2462





8.3 MAXIMUM AVG CONDUCTED OUTPUT POWER

8.3.1 Applicable Standard

According to FCC Part15.247 (b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.3.2 Conformance Limit

The maximum conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm).

8.3.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.3.4 Test Procedure

Option 1:

- a) Set span to at least 1.5 times the OBW.
- b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz.
- c) Set VBW $\geq 3 \times$ RBW.
- d) Number of points in sweep $\geq 2 \times$ span / RBW. (This gives bin-to-bin spacing $\leq$ RBW/2, so that narrowband signals are not lost between frequency bins.)
- e) Sweep time = auto.
- f) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- g) If transmit duty cycle < 98 %, use a sweep trigger with the level set to enable triggering only on full power pulses. The transmitter shall operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98 %, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run” .
- h) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
- i) Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function, with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

Option 2:

Method AVGPM is a measurement using an RF average power meter, as follows:

- (a) As an alternative to spectrum analyzer or EMI receiver measurements, measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied:
 - (1) The EUT is configured to transmit continuously, or to transmit with a constant duty cycle.
 - (2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
 - (3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- (b) If the transmitter does not transmit continuously, measure the duty cycle, D, of the transmitter output signal as described in 11.6.
- (c) Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.
- (d) Correct the measurement in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.

■ According to FCC Part 15.247(b)(4):

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. 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)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note: If antenna Gain exceeds 6 dBi, then Output power Limit=30-(Gain- 6)

8.3.5 Test Results

Temperature:	25°C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

Test Mode	Antenna	Frequency [MHz]	AVG power [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	22.99	≤30.00	2.54	25.53	≤36.00	PASS
11B	Ant1	2437	23.30	≤30.00	2.54	25.84	≤36.00	PASS
11B	Ant1	2462	23.48	≤30.00	2.54	26.02	≤36.00	PASS
11G	Ant1	2412	22.11	≤30.00	2.54	24.65	≤36.00	PASS
11G	Ant1	2437	22.41	≤30.00	2.54	24.95	≤36.00	PASS
11G	Ant1	2462	22.46	≤30.00	2.54	25.00	≤36.00	PASS
11N20SISO	Ant1	2412	21.10	≤30.00	2.54	23.64	≤36.00	PASS
11N20SISO	Ant1	2437	21.58	≤30.00	2.54	24.12	≤36.00	PASS
11N20SISO	Ant1	2462	21.33	≤30.00	2.54	23.87	≤36.00	PASS

Note: The power is tested using a power meter (Option 2).

8.4 MAXIMUM POWER SPECTRAL DENSITY

8.4.1 Applicable Standard

According to FCC Part15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.4.2 Conformance Limit

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of section 5.4(d), (i.e. the power spectral density shall be determined using the same method as is used to determine the conducted output power).

8.4.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.4.4 Test Procedure

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance

The transmitter output (antenna port) was connected to the spectrum analyzer

Set analyzer center frequency to DTS channel center frequency.

Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: 3 kHz

Set the VBW to: 10 kHz.

Set Detector = peak.

Set Sweep time = auto couple.

Set Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level within the RBW.

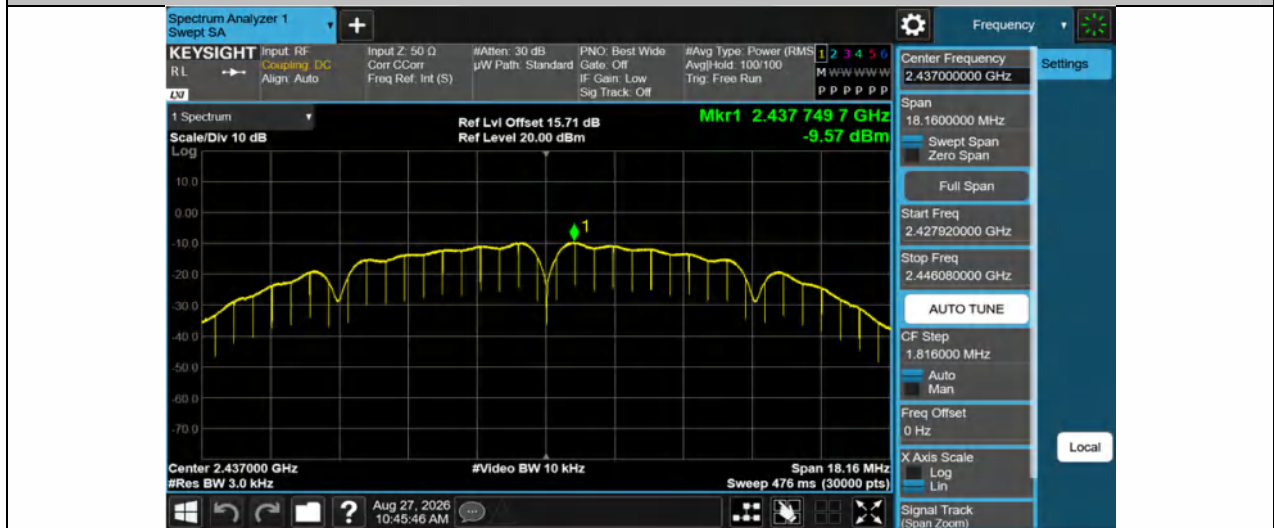
8.4.5 Test Results

Temperature:	25°C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.76	≤8.00	PASS
11B	Ant1	2437	-9.57	≤8.00	PASS
11B	Ant1	2462	-9.66	≤8.00	PASS
11G	Ant1	2412	-13.62	≤8.00	PASS
11G	Ant1	2437	-13.40	≤8.00	PASS
11G	Ant1	2462	-13.24	≤8.00	PASS
11N20SISO	Ant1	2412	-14.64	≤8.00	PASS
11N20SISO	Ant1	2437	-14.18	≤8.00	PASS
11N20SISO	Ant1	2462	-14.30	≤8.00	PASS



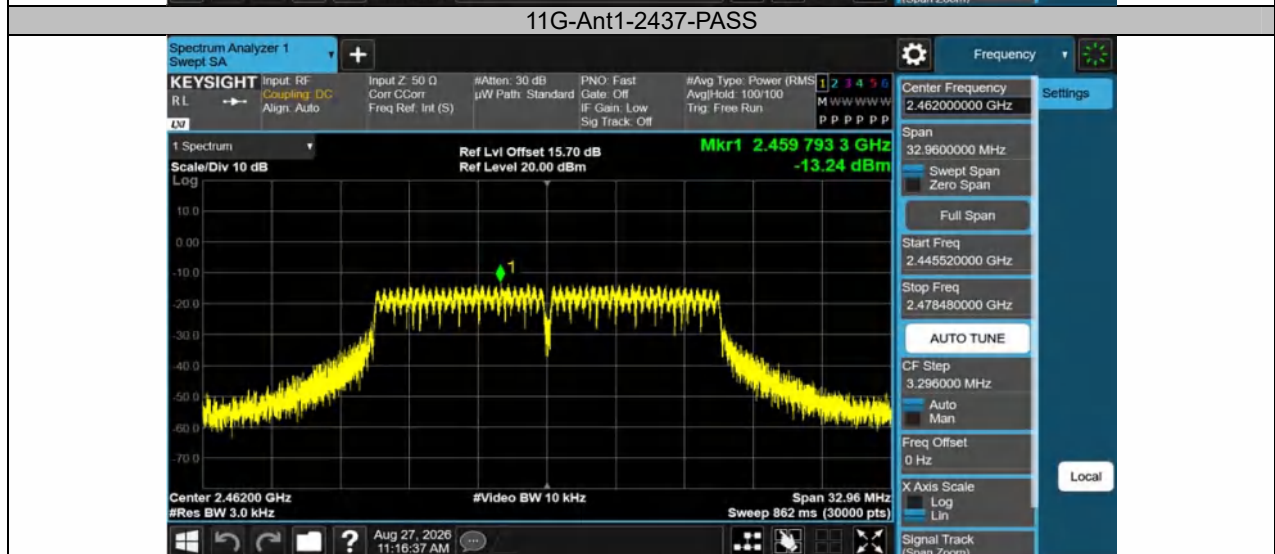
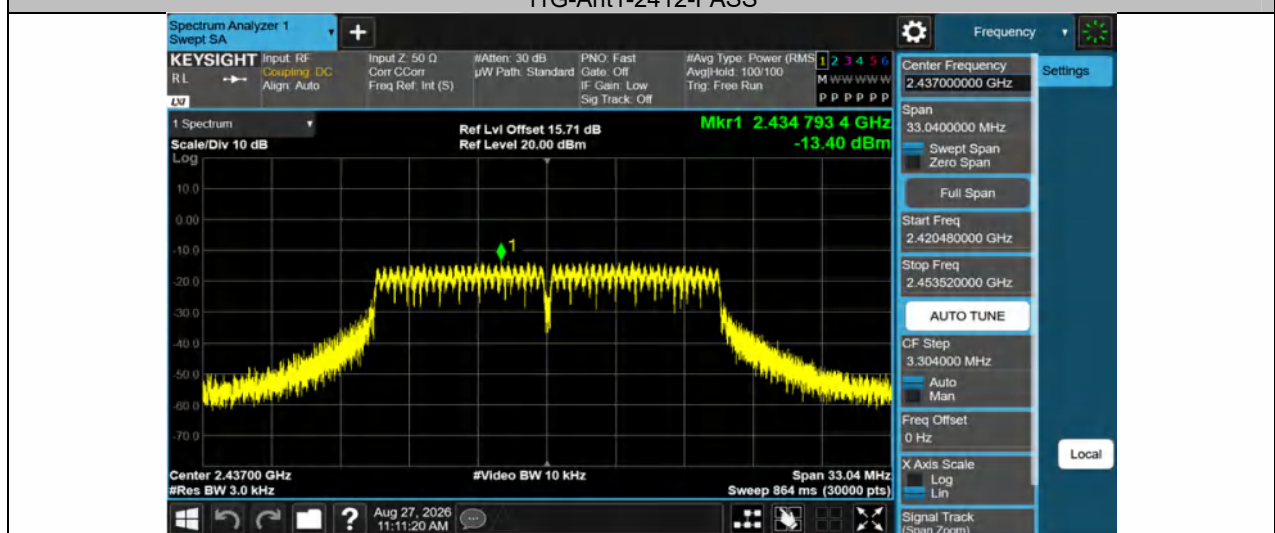
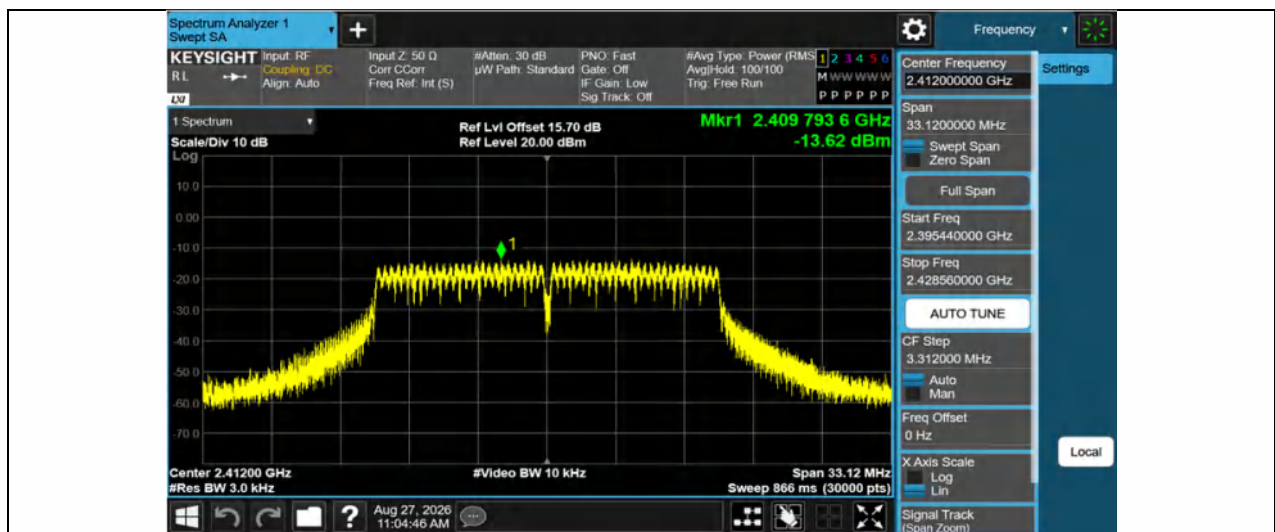
11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS





8.5 UNWANTED EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS

8.5.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.5.2 Conformance Limit

According to FCC Part 15.247(d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

8.5.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.5.4 Test Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer

■ Reference level measurement

Establish a reference level by using the following procedure:

Set instrument center frequency to DTS channel center frequency.

Set the span to ≥ 1.5 times the DTS bandwidth.

Set the RBW = 100 kHz.

Set the VBW $\geq 3 \times$ RBW.

Set Detector = peak.

Set Sweep time = auto couple.

Set Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

■ Band-edge measurement

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the emission operating on the channel closest to the band-edge, as well as any modulation products which fall outside of the authorized band of operation

Set RBW $\geq 1\%$ of the span=100kHz Set VBW $\geq 3 \times$ RBW

Set Sweep = auto Set Detector function = peak Set Trace = max hold

Allow the trace to stabilize. Set the marker on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission. The marker-delta value now displayed must comply with the limit specified in this Section.

■ Emission level measurement

Set the center frequency and span to encompass frequency range to be measured.

Set the RBW = 100 kHz.

Set the VBW = 300 kHz.

Set Detector = peak

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements. Report the three highest emissions relative to the limit.

8.5.5 Test Results

Temperature:	23°C
Relative Humidity:	51%
ATM Pressure:	1011 mbar

■ Reference level measurement

Test Mode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.53	10.63
11B	Ant1	2437	2437.52	10.83
11B	Ant1	2462	2462.53	10.81
11G	Ant1	2412	2409.52	0.70
11G	Ant1	2437	2441.16	1.00
11G	Ant1	2462	2464.27	0.97
11N20SISO	Ant1	2412	2409.14	-0.29
11N20SISO	Ant1	2437	2434.16	-0.22
11N20SISO	Ant1	2462	2458.26	-0.63

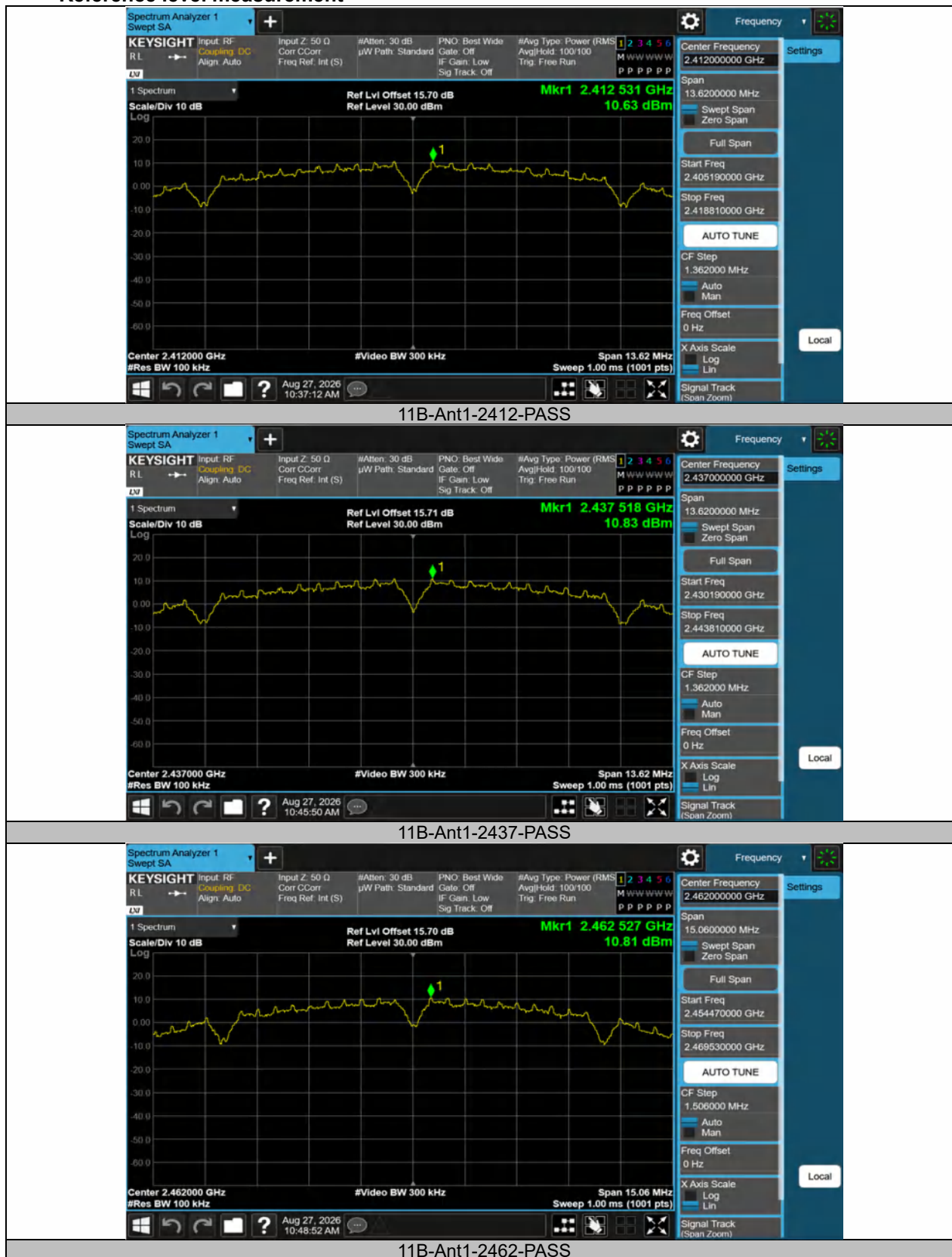
■ Band-edge measurement

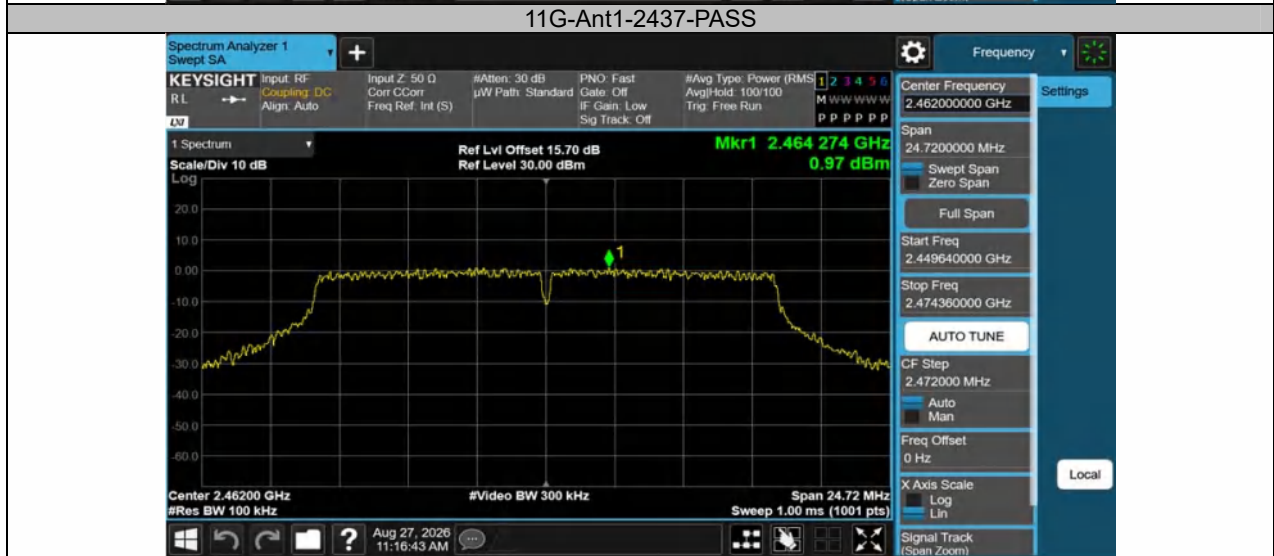
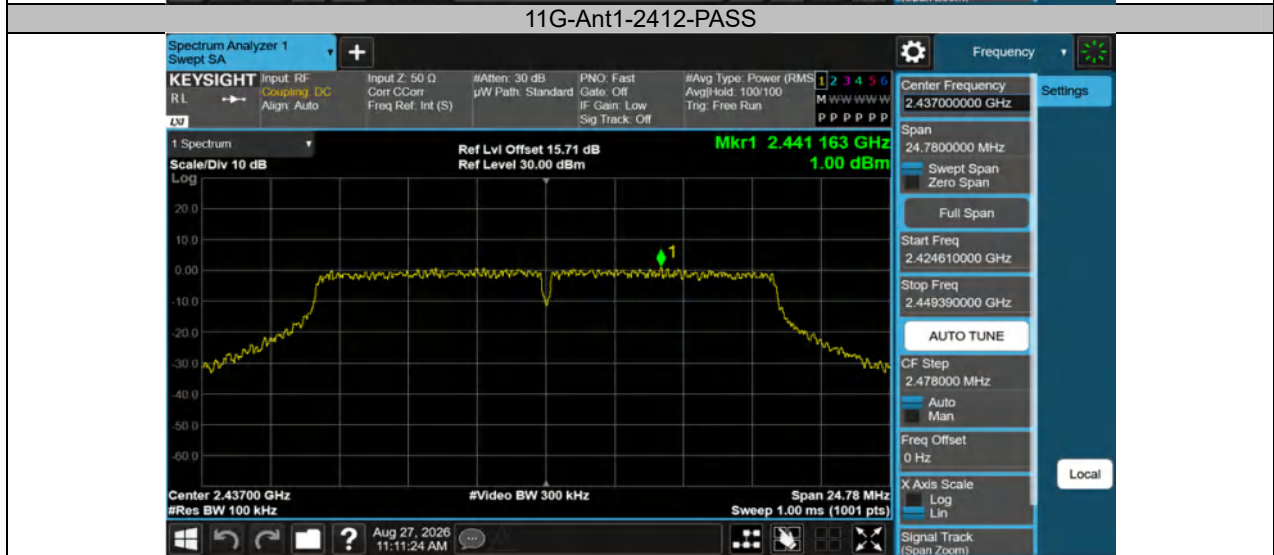
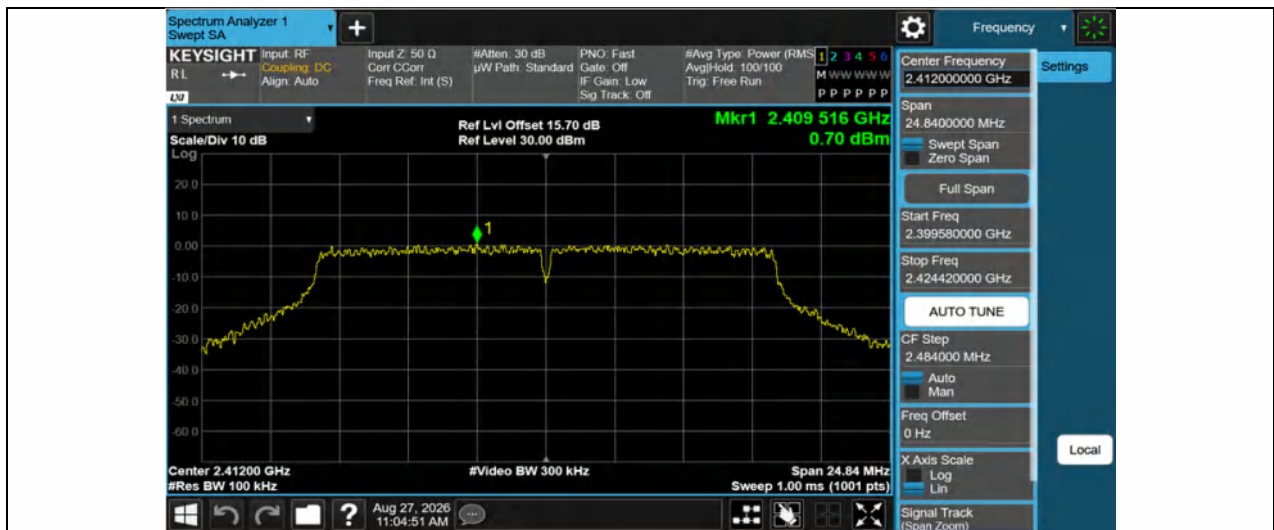
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.63	-31.29	≤-9.37	PASS
11B	Ant1	High	2462	10.81	-41.67	≤-9.19	PASS
11G	Ant1	Low	2412	0.70	-29.93	≤-19.3	PASS
11G	Ant1	High	2462	0.97	-41.45	≤-19.03	PASS
11N20SISO	Ant1	Low	2412	-0.29	-32.01	≤-20.29	PASS
11N20SISO	Ant1	High	2462	-0.63	-41.65	≤-20.63	PASS

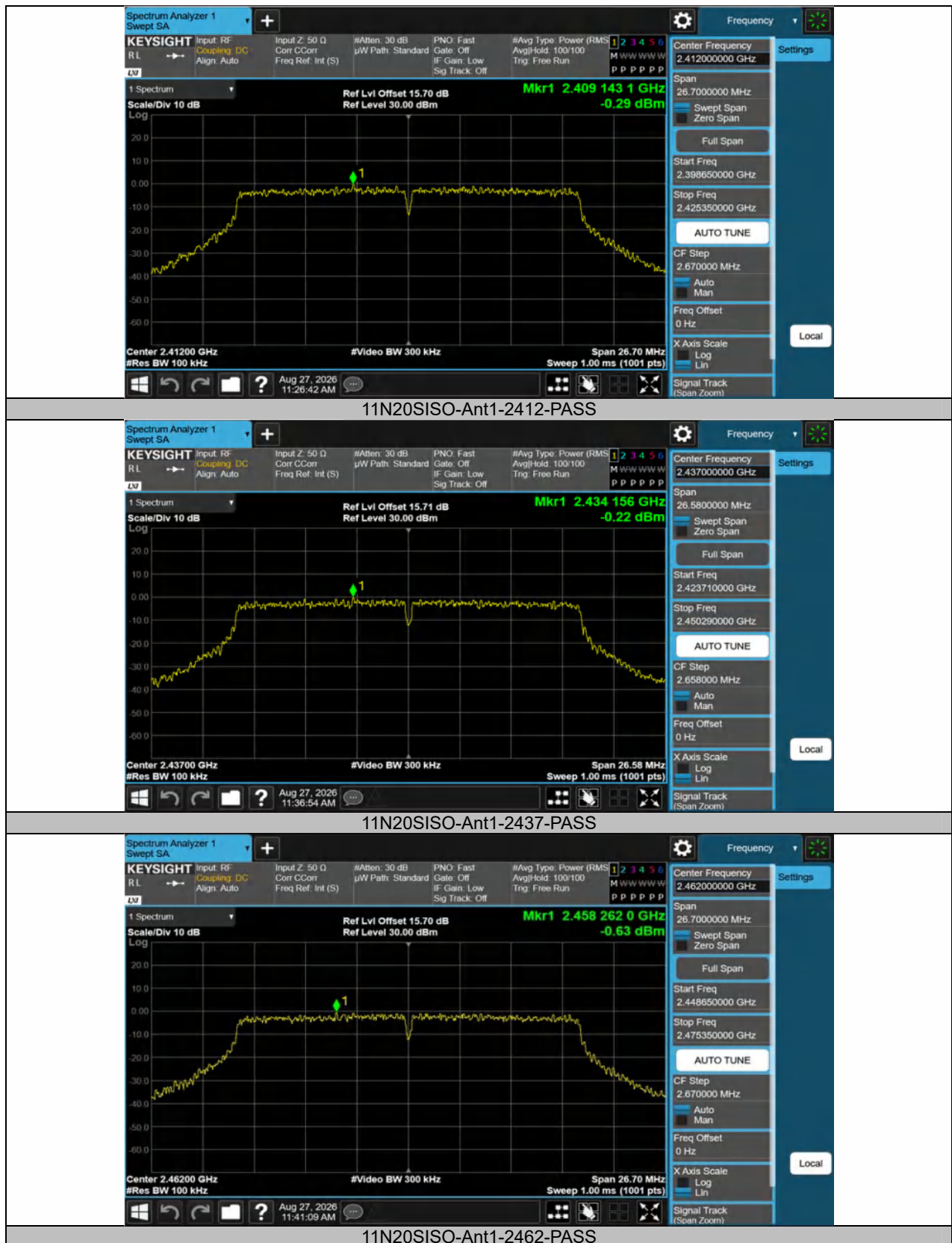
■ Emission level measurement

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	10.63	-58.6	≤-9.37	PASS
11B	Ant1	2412	1000~26500	10.63	-43.6	≤-9.37	PASS
11B	Ant1	2437	30~1000	10.83	-58.72	≤-9.17	PASS
11B	Ant1	2437	1000~26500	10.83	-44.34	≤-9.17	PASS
11B	Ant1	2462	30~1000	10.81	-58.84	≤-9.19	PASS
11B	Ant1	2462	1000~26500	10.81	-44.25	≤-9.19	PASS
11G	Ant1	2412	30~1000	0.70	-58.59	≤-19.3	PASS
11G	Ant1	2412	1000~26500	0.70	-44.17	≤-19.3	PASS
11G	Ant1	2437	30~1000	1.00	-58.4	≤-19	PASS
11G	Ant1	2437	1000~26500	1.00	-44.21	≤-19	PASS
11G	Ant1	2462	30~1000	0.97	-57.55	≤-19.03	PASS
11G	Ant1	2462	1000~26500	0.97	-44.18	≤-19.03	PASS
11N20SISO	Ant1	2412	30~1000	-0.29	-58.58	≤-20.29	PASS
11N20SISO	Ant1	2412	1000~26500	-0.29	-43.66	≤-20.29	PASS
11N20SISO	Ant1	2437	30~1000	-0.22	-58.66	≤-20.22	PASS
11N20SISO	Ant1	2437	1000~26500	-0.22	-43.66	≤-20.22	PASS
11N20SISO	Ant1	2462	30~1000	-0.63	-58.43	≤-20.63	PASS
11N20SISO	Ant1	2462	1000~26500	-0.63	-44.53	≤-20.63	PASS

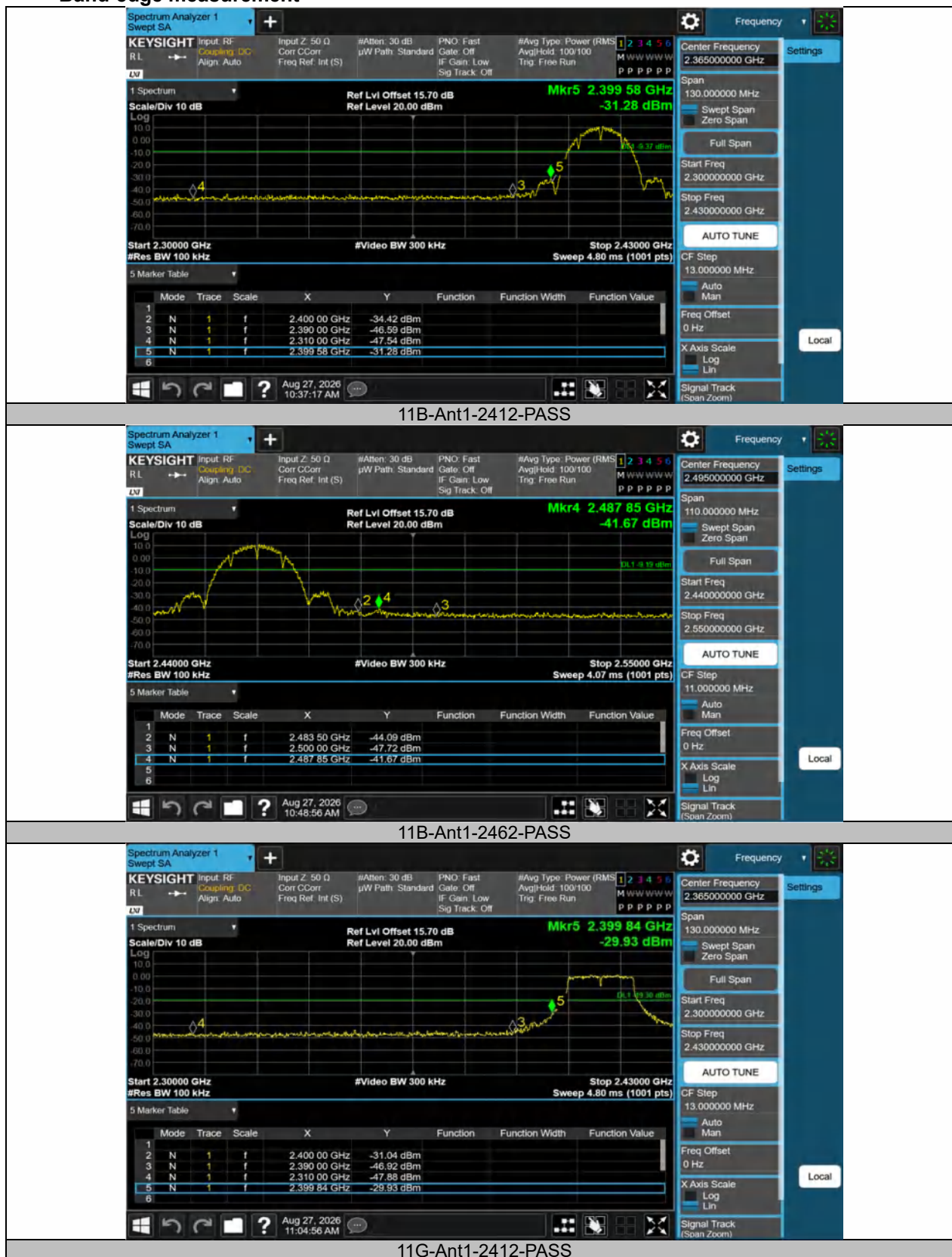
■ Reference level measurement

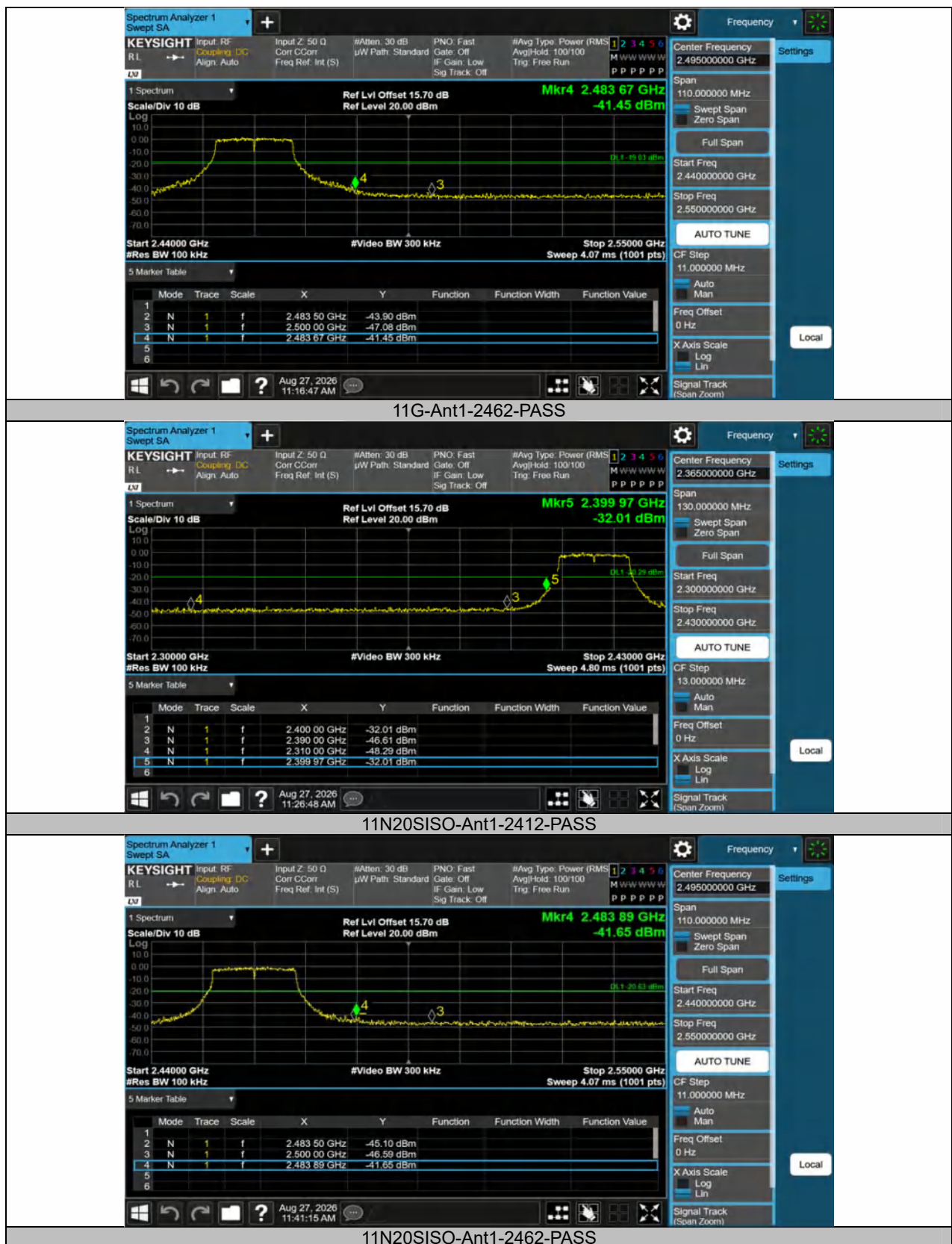






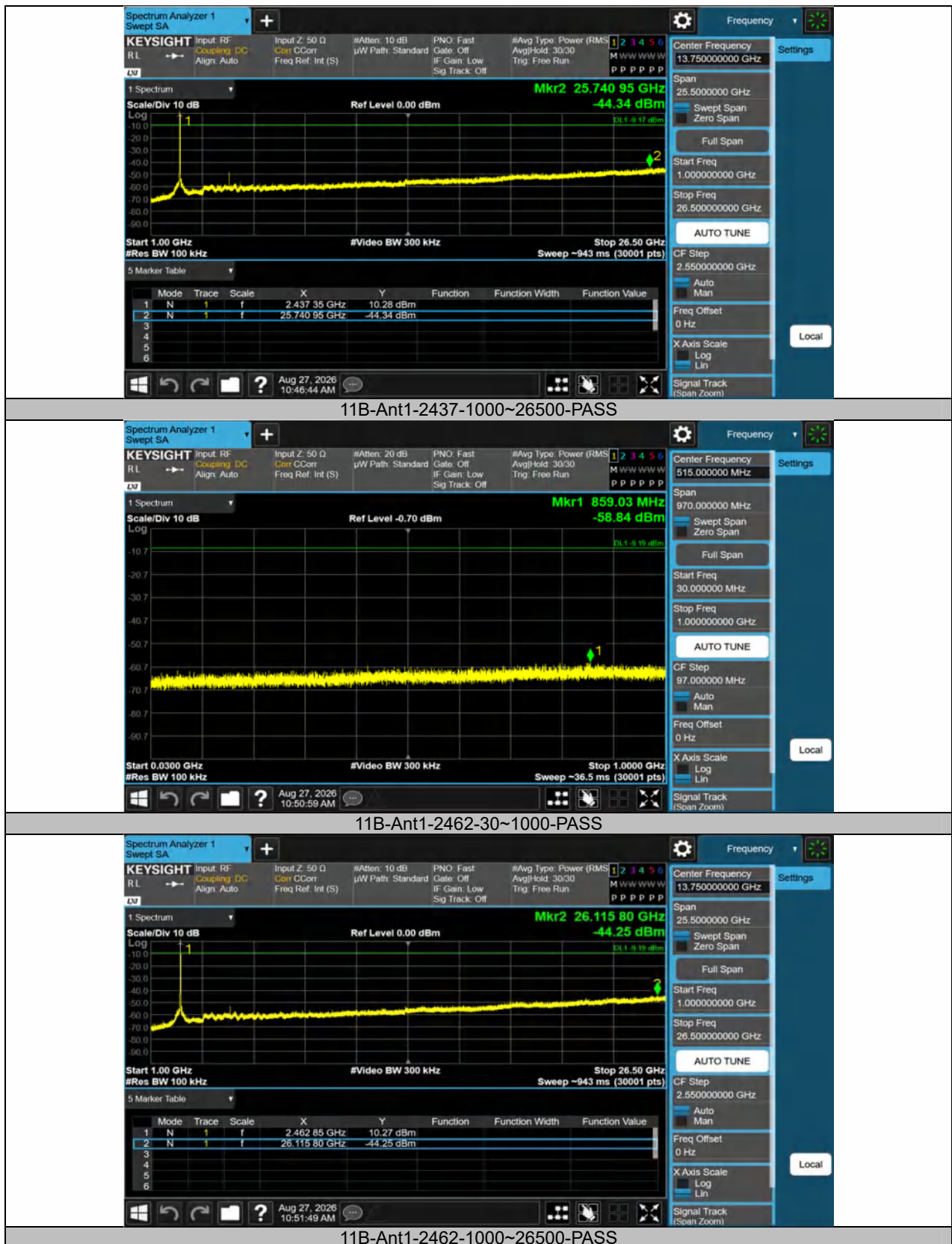
■ Band-edge measurement

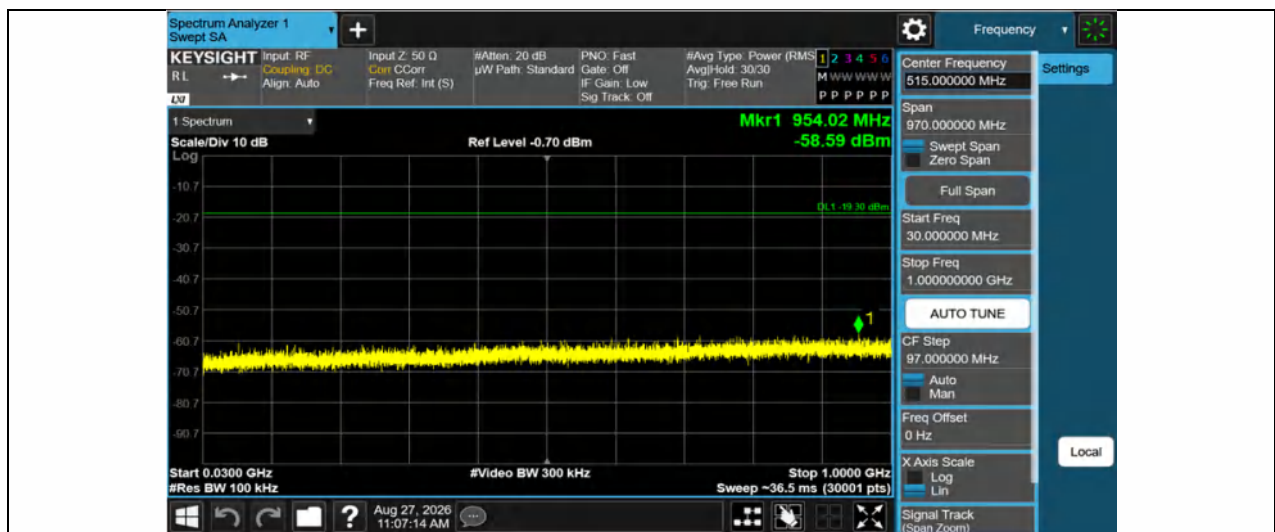




■ Emission level measurement







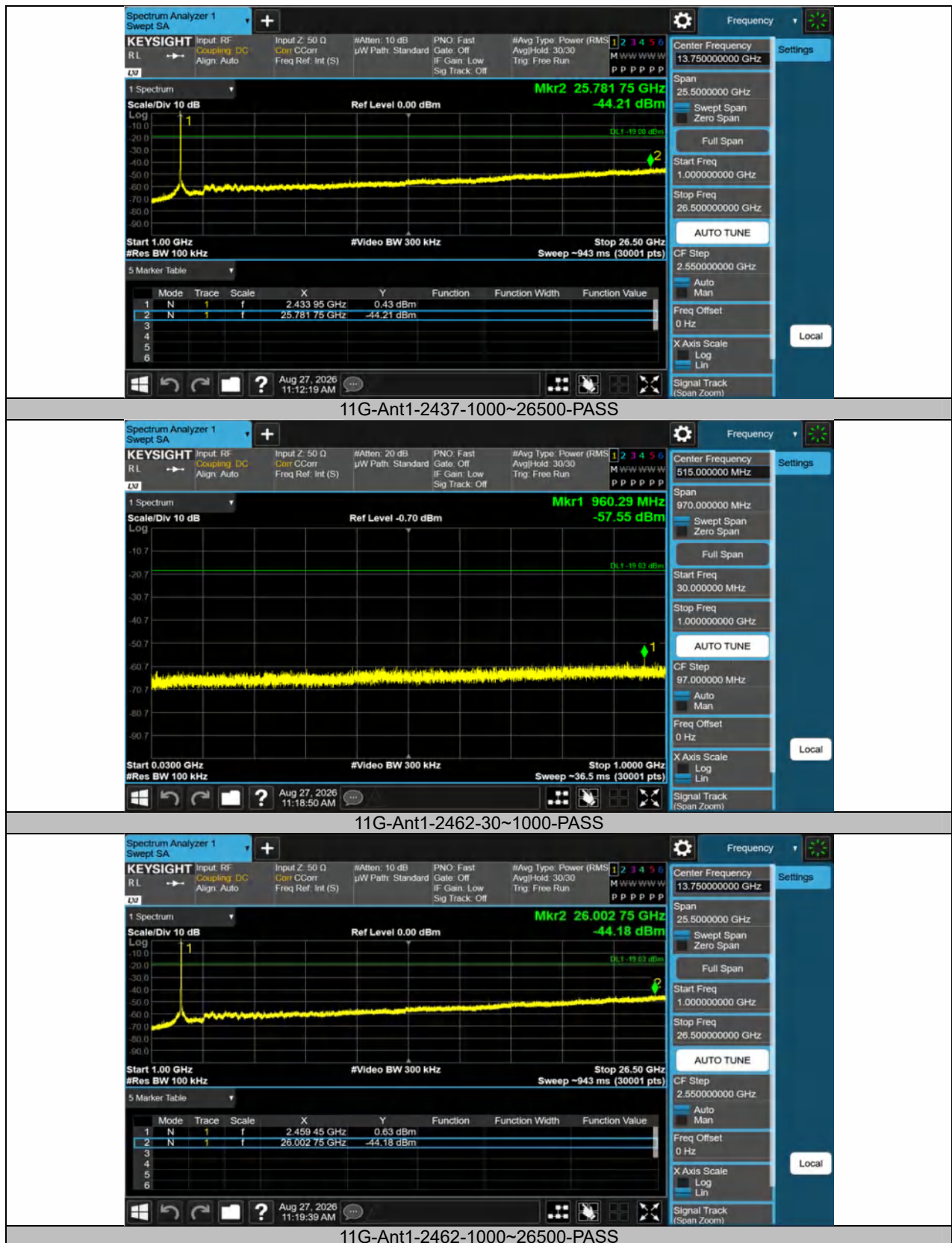
11G-Ant1-2412-30~1000-PASS

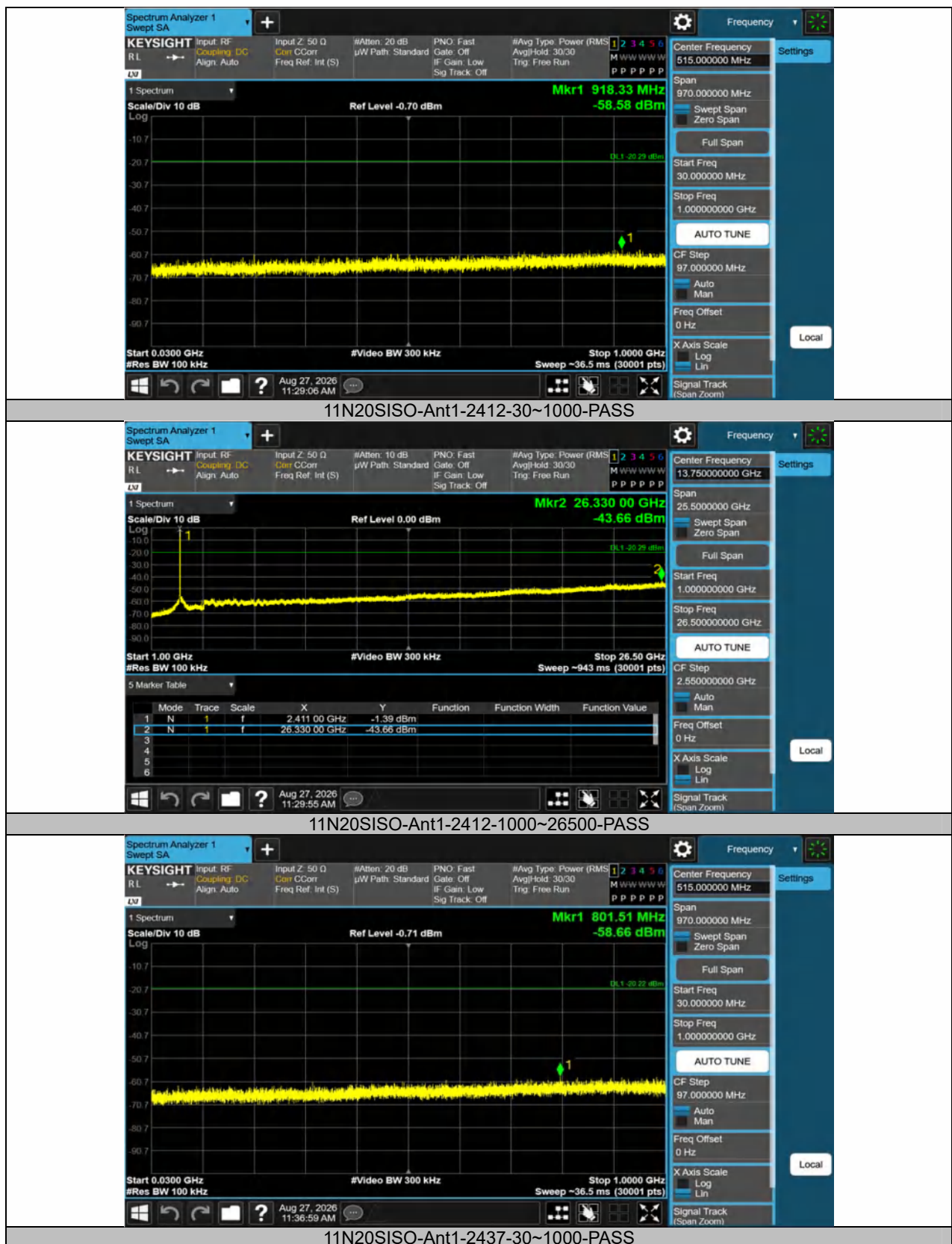


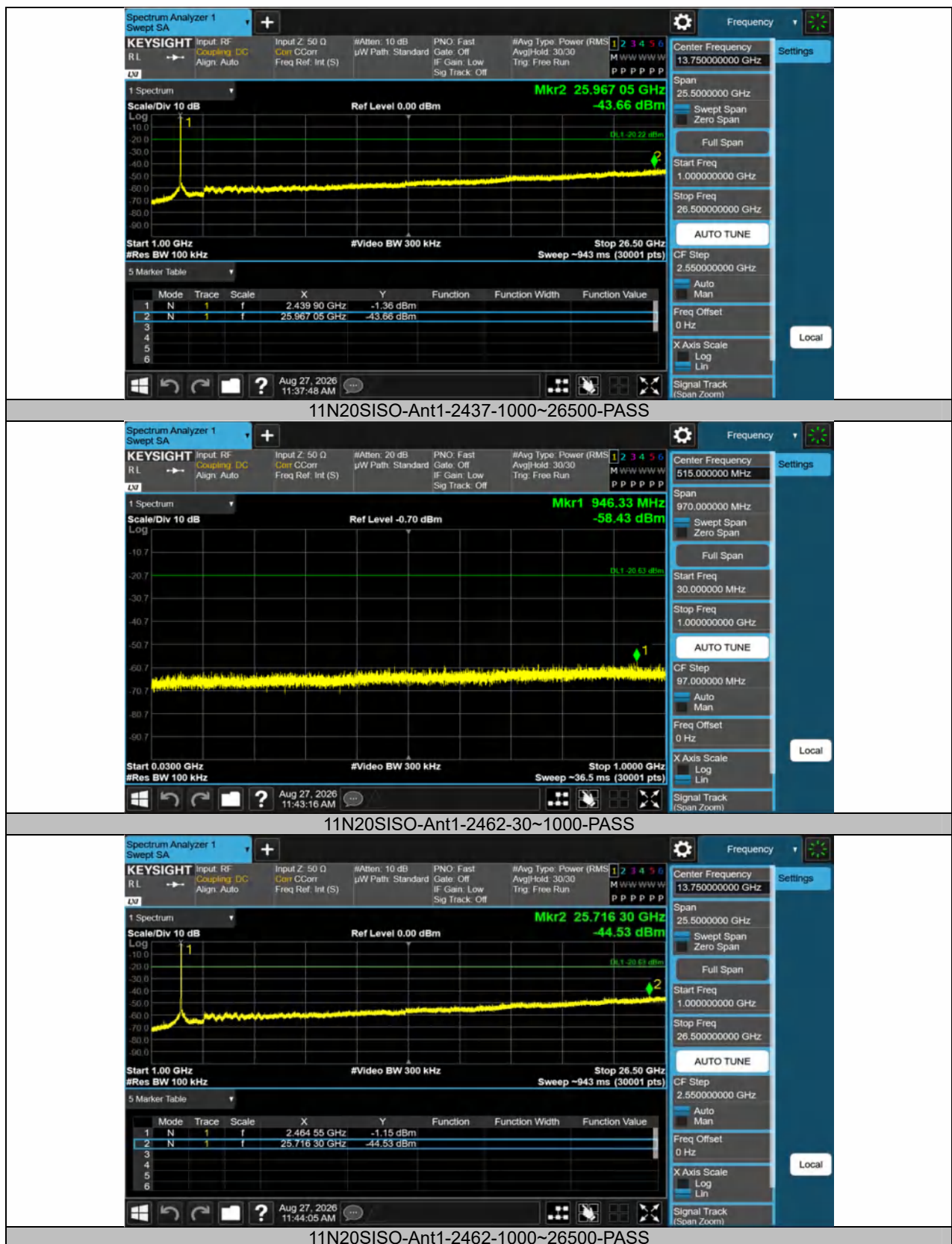
11G-Ant1-2412-1000~26500-PASS



11G-Ant1-2437-30~1000-PASS







8.6 RADIATED SPURIOUS EMISSION

8.6.1 Applicable Standard

According to FCC Part 15.247(d), 15.205, 15.209 and KDB 558074 D01 15.247 Meas Guidance v05r02

8.6.2 Conformance Limit

According to FCC Part 15.247(d): 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)).
According to FCC Part 15.205, Restricted bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	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	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			

According to FCC Part 15.205 the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table

Restricted Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Field Strength ($\text{dB}\mu\text{V/m}$)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log ($\mu\text{V/m}$)	300
0.490-1.705	24000/F(KHz)	20 log ($\mu\text{V/m}$)	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

8.6.3 Test Configuration

Test according to clause 6.2 radio frequency test setup

8.6.4 Test Procedure

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

For Above 1GHz:

The EUT was placed on a turn table which is 1.5m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For Below 1GHz:

The EUT was placed on a turn table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Span = wide enough to fully capture the emission being measured

RBW = 100 kHz for

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For Below 30MHz:

The EUT was placed on a turn table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 9kHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For Below 150KHz:

The EUT was placed on a turn table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 200Hz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Follow the guidelines in ANSI C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit. Submit this data.

Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from $20\log(\text{dwell time}/100 \text{ ms})$, in an effort to demonstrate compliance with the limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

8.6.5 Test Results

Temperature:	16°C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

All models have undergone radiation spurious field testing. The results are as follows:

■ Spurious Emission below 30MHz(9KHz to 30MHz)

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

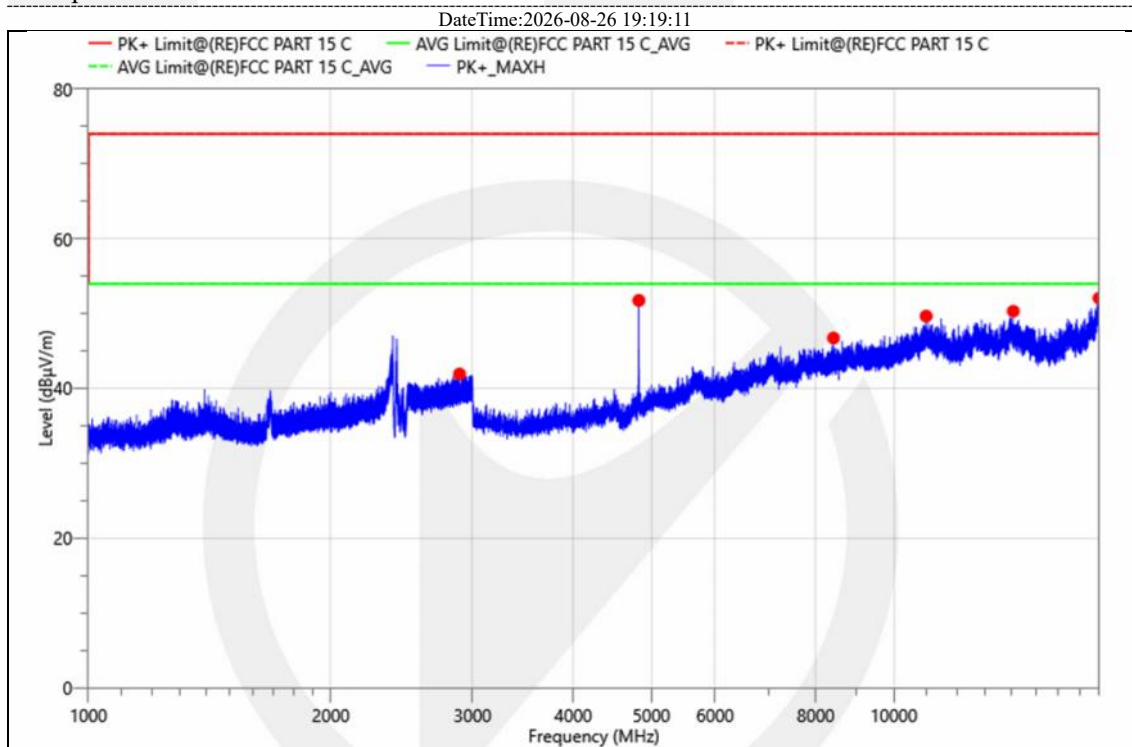
Distance extrapolation factor = $40\log(\text{Specific distance}/ \text{test distance})$ (dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor

■ Spurious Emission Above 1GHz(1GHz to 25GHz)

All the antenna(Antenna 1)and modes(802.11b/g/n)have been tested and the worst(Antenna 1,802.11b) result recorded was report as below:

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2412MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%



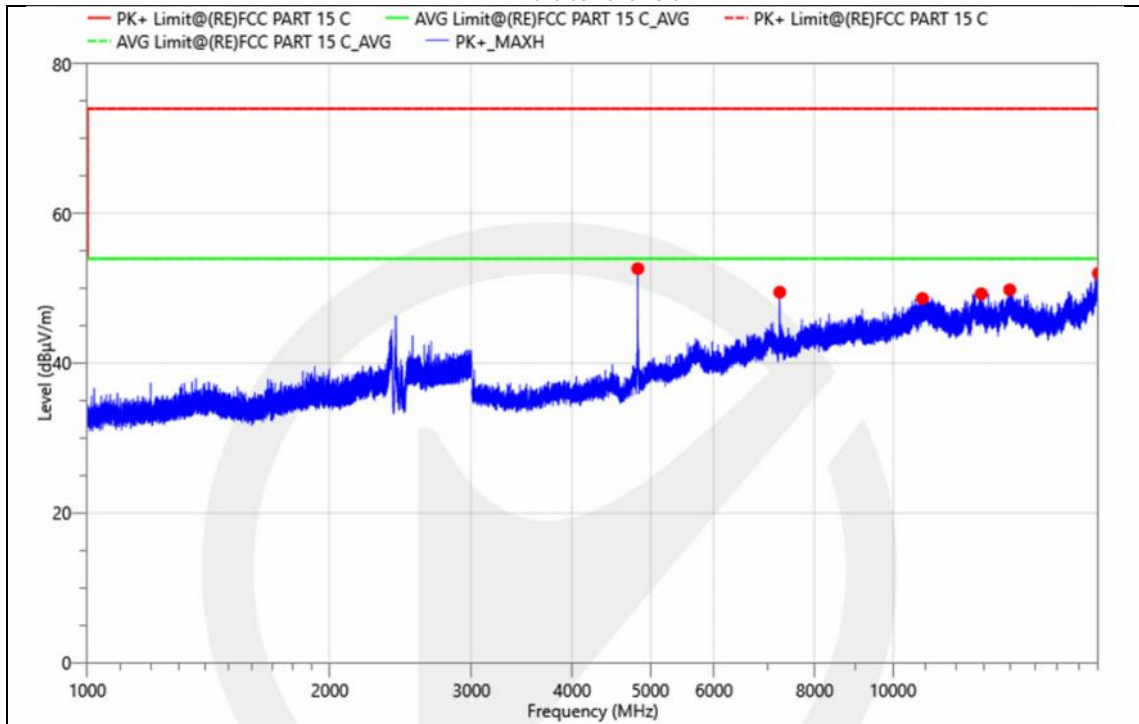
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2889.250	50.01	-8.08	41.93	74.00	32.07	PK+	H	PASS
2	4824.000	60.41	-8.65	51.76	74.00	22.24	PK+	H	PASS
3	8416.000	45.85	0.88	46.73	74.00	27.27	PK+	H	PASS
4	10968.500	43.32	6.34	49.66	74.00	24.34	PK+	H	PASS
5	14070.000	41.28	9.04	50.32	74.00	23.68	PK+	H	PASS
6	17986.500	38.57	13.5	52.07	74.00	21.93	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2412MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:23:01

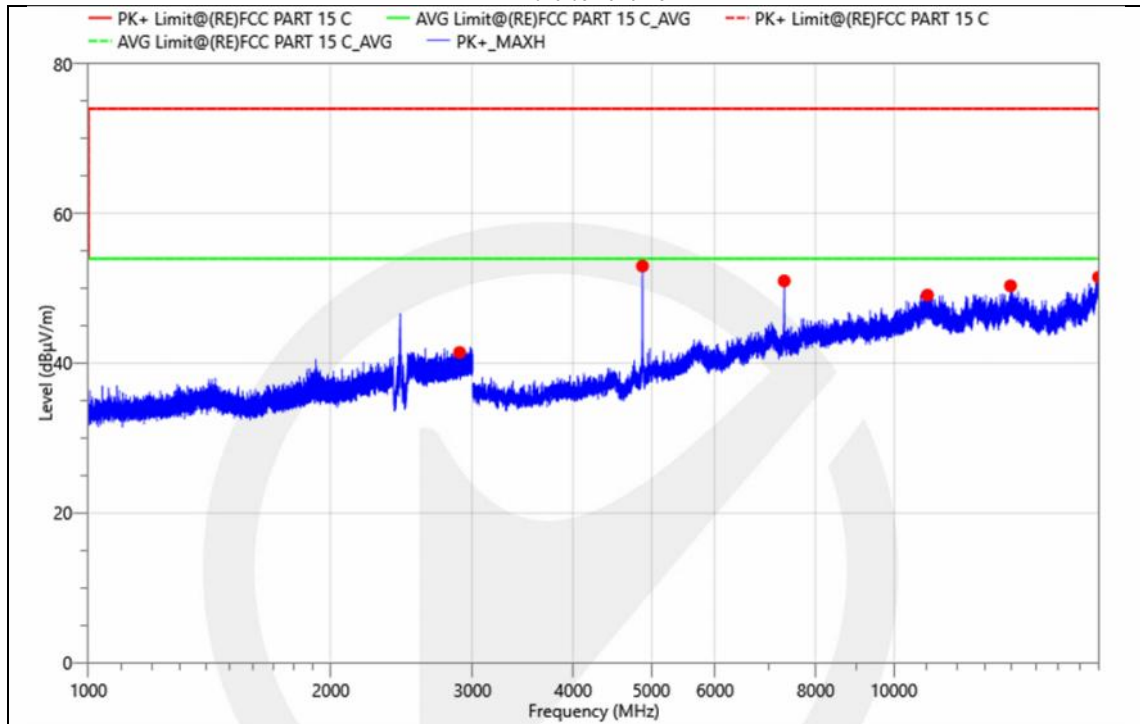


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4824.000	61.29	-8.65	52.64	74.00	21.36	PK+	V	PASS
2	7237.000	50.00	-0.51	49.49	74.00	24.51	PK+	V	PASS
3	10884.000	43.10	5.55	48.65	74.00	25.35	PK+	V	PASS
4	12875.000	41.69	7.59	49.28	74.00	24.72	PK+	V	PASS
5	13969.500	40.68	9.13	49.81	74.00	24.19	PK+	V	PASS
6	17998.500	38.37	13.64	52.01	74.00	21.99	PK+	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2437MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:28:41

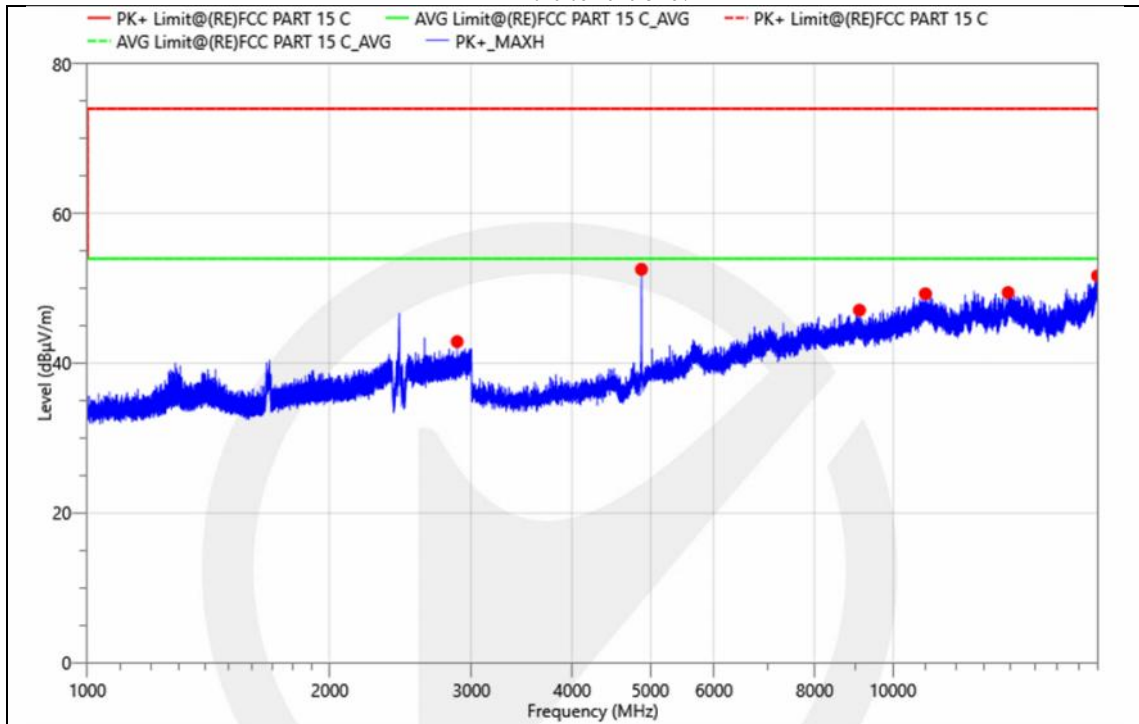


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2889.625	49.52	-8.08	41.44	74.00	32.56	PK+	V	PASS
2	4874.000	61.26	-8.27	52.99	74.00	21.01	PK+	V	PASS
3	7310.000	51.39	-0.39	51.00	74.00	23.00	PK+	V	PASS
4	11008.000	42.41	6.69	49.10	74.00	24.90	PK+	V	PASS
5	13959.500	41.15	9.19	50.34	74.00	23.66	PK+	V	PASS
6	17958.000	38.35	13.15	51.50	74.00	22.50	PK+	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2437MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:32:57

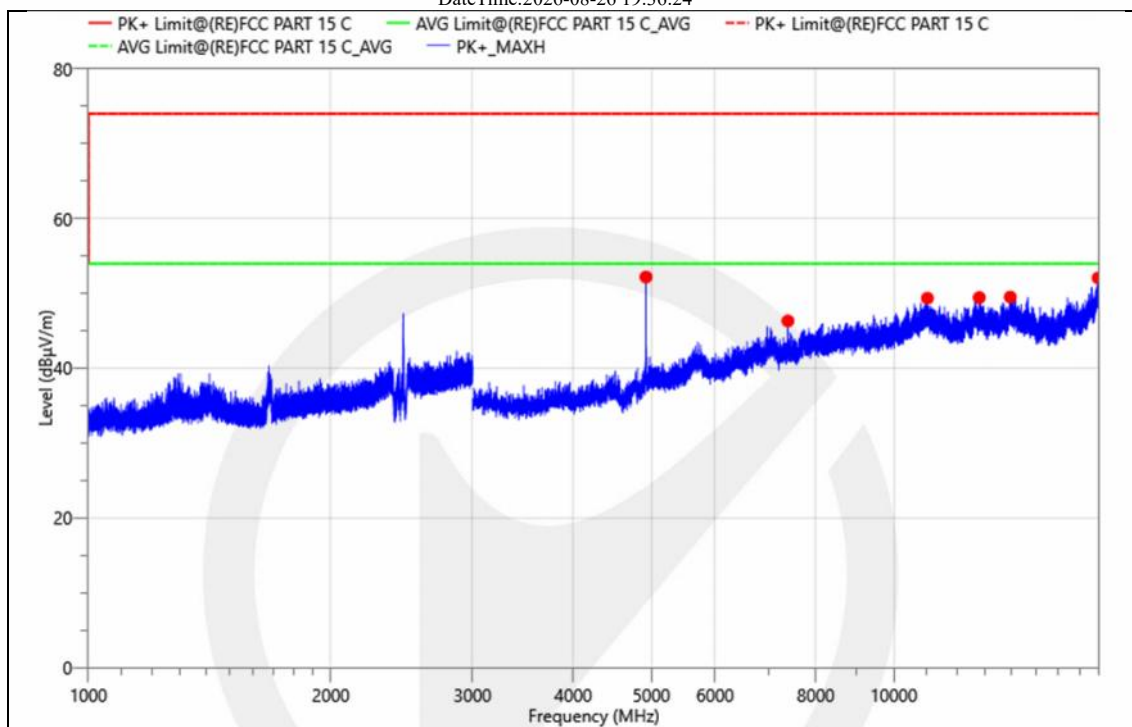


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2877.813	51.03	-8.15	42.88	74.00	31.12	PK+	H	PASS
2	4874.000	60.82	-8.27	52.55	74.00	21.45	PK+	H	PASS
3	9090.000	45.19	1.9	47.09	74.00	26.91	PK+	H	PASS
4	10976.000	42.85	6.44	49.29	74.00	24.71	PK+	H	PASS
5	13903.000	39.94	9.51	49.45	74.00	24.55	PK+	H	PASS
6	17954.000	38.59	13.1	51.69	74.00	22.31	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2462MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:36:24



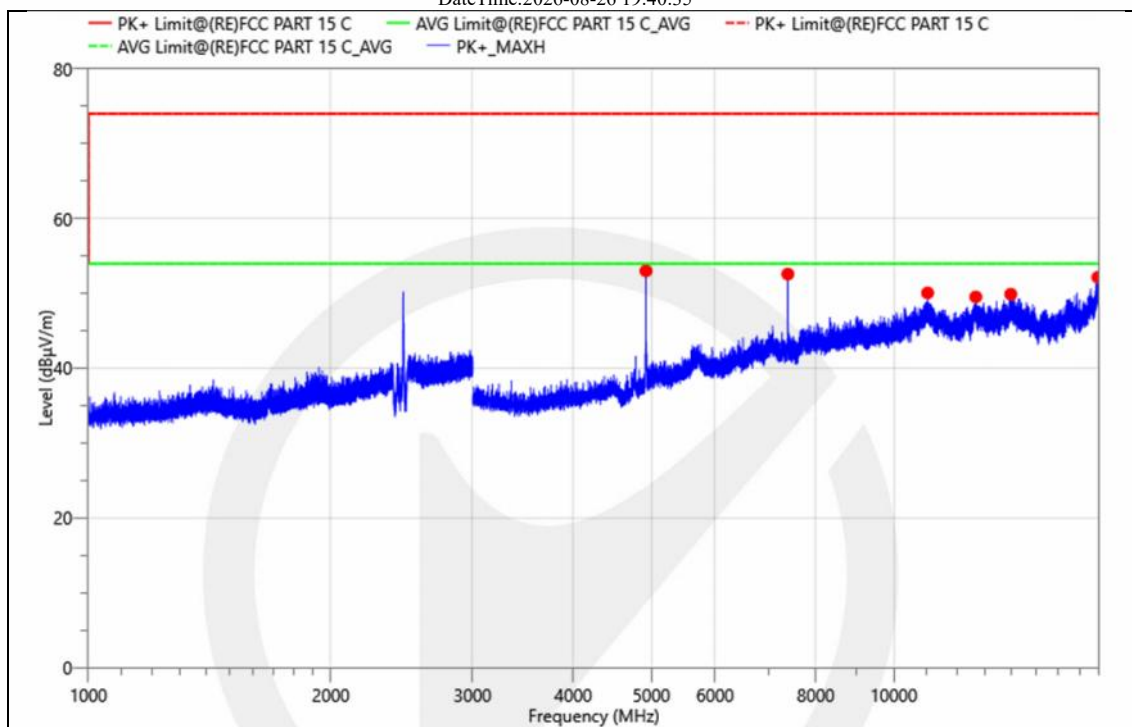
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4924.000	60.00	-7.81	52.19	74.00	21.81	PK+	H	PASS
2	7387.500	46.59	-0.27	46.32	74.00	27.68	PK+	H	PASS
3	11006.000	42.66	6.7	49.36	74.00	24.64	PK+	H	PASS
4	12766.000	42.15	7.29	49.44	74.00	24.56	PK+	H	PASS
5	13950.500	40.27	9.24	49.51	74.00	24.49	PK+	H	PASS
6	17931.500	39.23	12.83	52.06	74.00	21.94	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2462MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:40:35

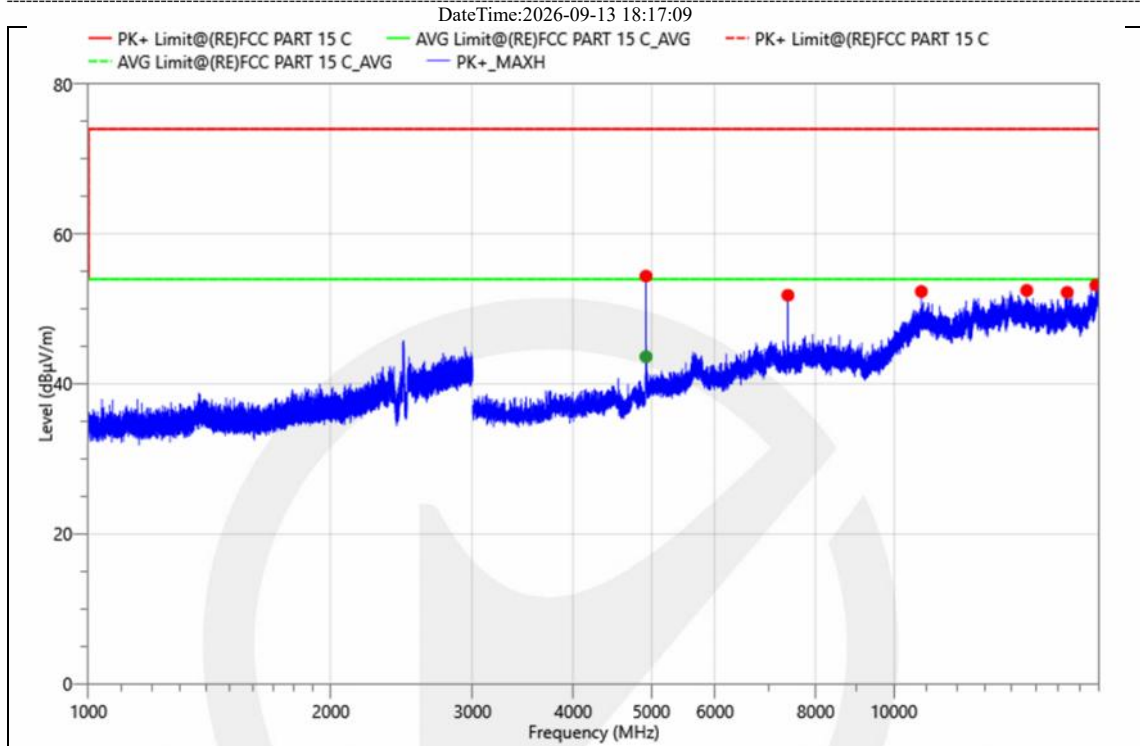


Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4924.000	60.82	-7.81	53.01	74.00	20.99	PK+	V	PASS
2	7386.000	52.85	-0.27	52.58	74.00	21.42	PK+	V	PASS
3	11013.500	43.41	6.65	50.06	74.00	23.94	PK+	V	PASS
4	12640.500	42.22	7.31	49.53	74.00	24.47	PK+	V	PASS
5	13970.000	40.77	9.13	49.90	74.00	24.10	PK+	V	PASS
6	17918.000	39.49	12.66	52.15	74.00	21.85	PK+	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2462Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

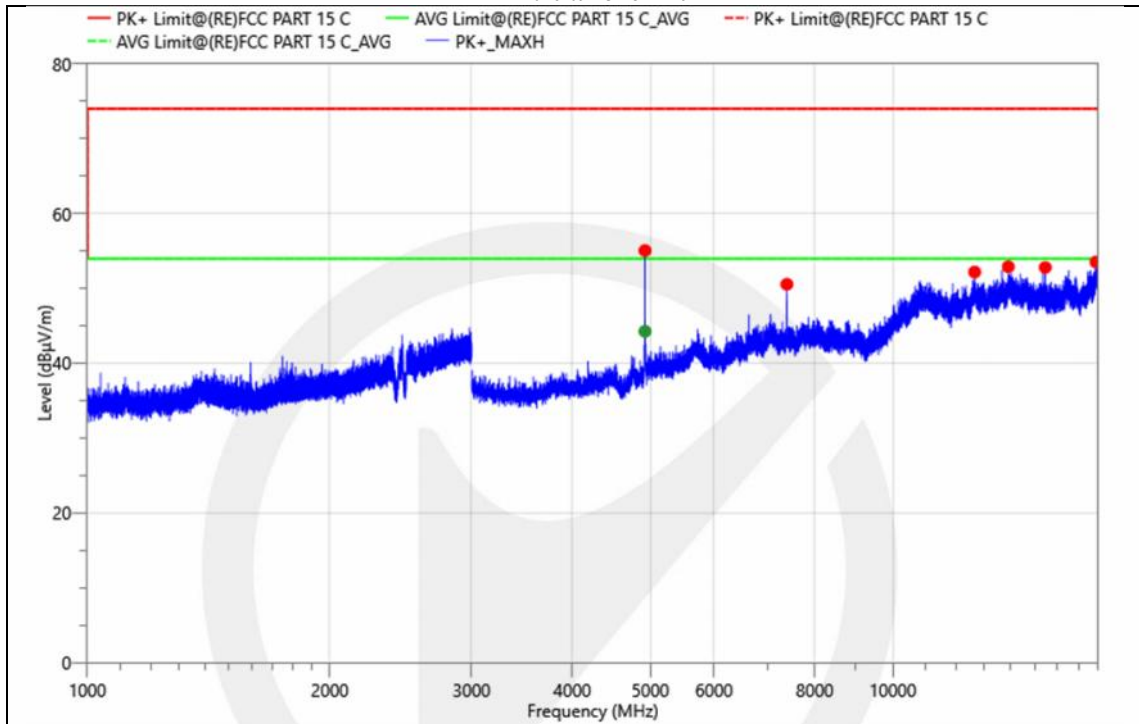


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4924.000	61.00	-6.61	54.39	74.00	19.61	PK+	V	PASS
2	4924.000	50.25	-6.61	43.64	54.00	10.36	AVG	V	PASS
3	7387.000	50.60	1.23	51.83	74.00	22.17	PK+	V	PASS
4	10818.500	44.37	7.96	52.33	74.00	21.67	PK+	V	PASS
5	14622.500	40.89	11.59	52.48	74.00	21.52	PK+	V	PASS
6	16416.500	39.94	12.28	52.22	74.00	21.78	PK+	V	PASS
7	17822.000	38.69	14.51	53.20	74.00	20.80	PK+	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2462Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 18:12:19

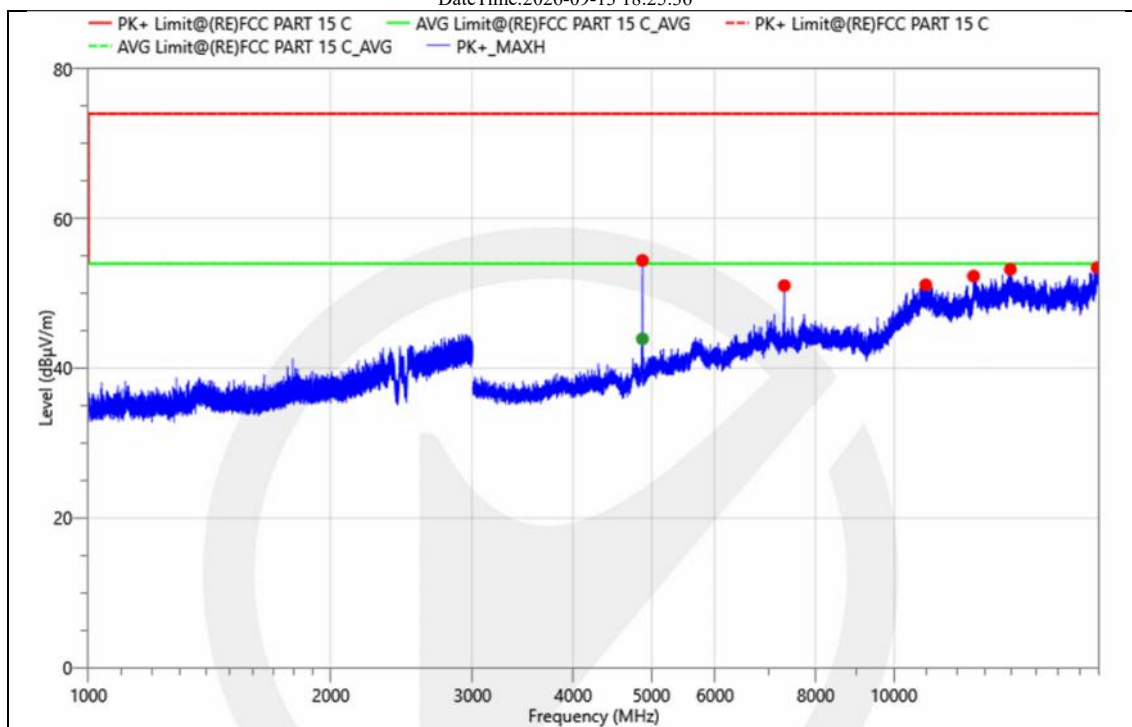


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4924.000	61.66	-6.61	55.05	74.00	18.95	PK+	H	PASS
2	4924.000	50.87	-6.61	44.26	54.00	9.74	AVG	H	PASS
3	7386.500	49.32	1.23	50.55	74.00	23.45	PK+	H	PASS
4	12635.000	42.63	9.56	52.19	74.00	21.81	PK+	H	PASS
5	13910.000	41.28	11.62	52.90	74.00	21.10	PK+	H	PASS
6	15461.500	41.83	10.97	52.80	74.00	21.20	PK+	H	PASS
7	17870.500	38.68	14.85	53.53	74.00	20.47	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2437Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 18:25:36



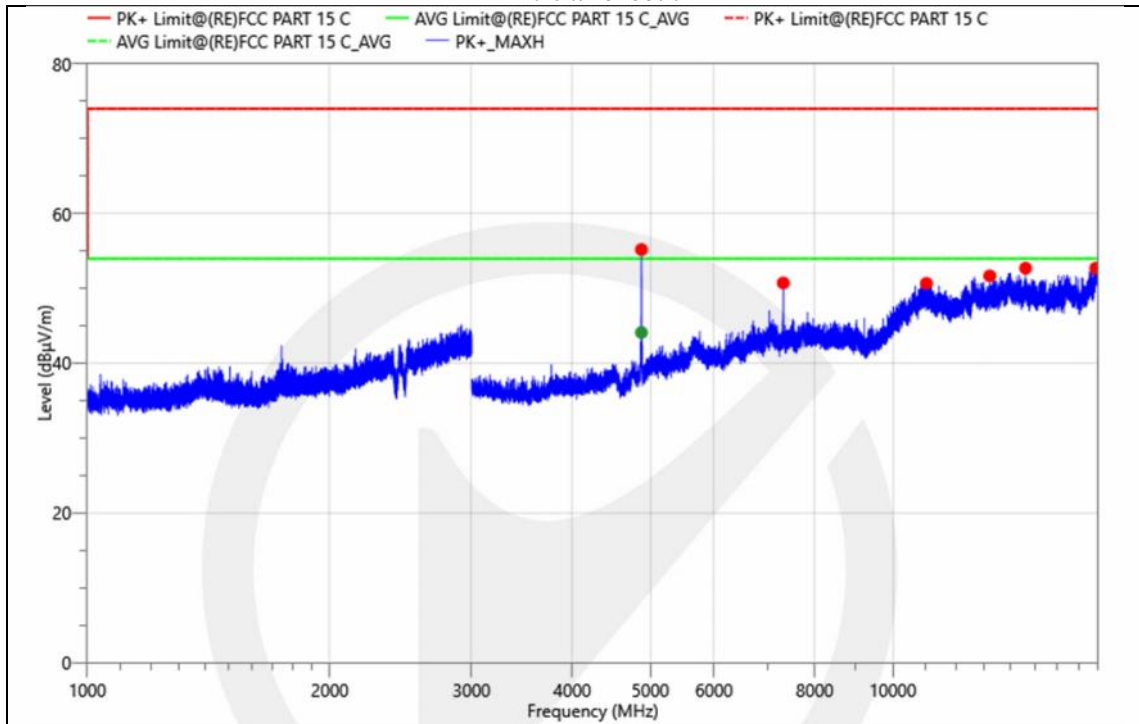
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4874.000	61.41	-7.01	54.40	74.00	19.60	PK+	V	PASS
2	4874.000	50.93	-7.01	43.92	54.00	10.08	AVG	V	PASS
3	7311.000	49.90	1.14	51.04	74.00	22.96	PK+	V	PASS
4	10956.500	42.94	8.2	51.14	74.00	22.86	PK+	V	PASS
5	12560.000	42.85	9.45	52.30	74.00	21.70	PK+	V	PASS
6	13953.500	41.60	11.62	53.22	74.00	20.78	PK+	V	PASS
7	17886.000	38.48	14.96	53.44	74.00	20.56	PK+	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2437Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 18:30:01

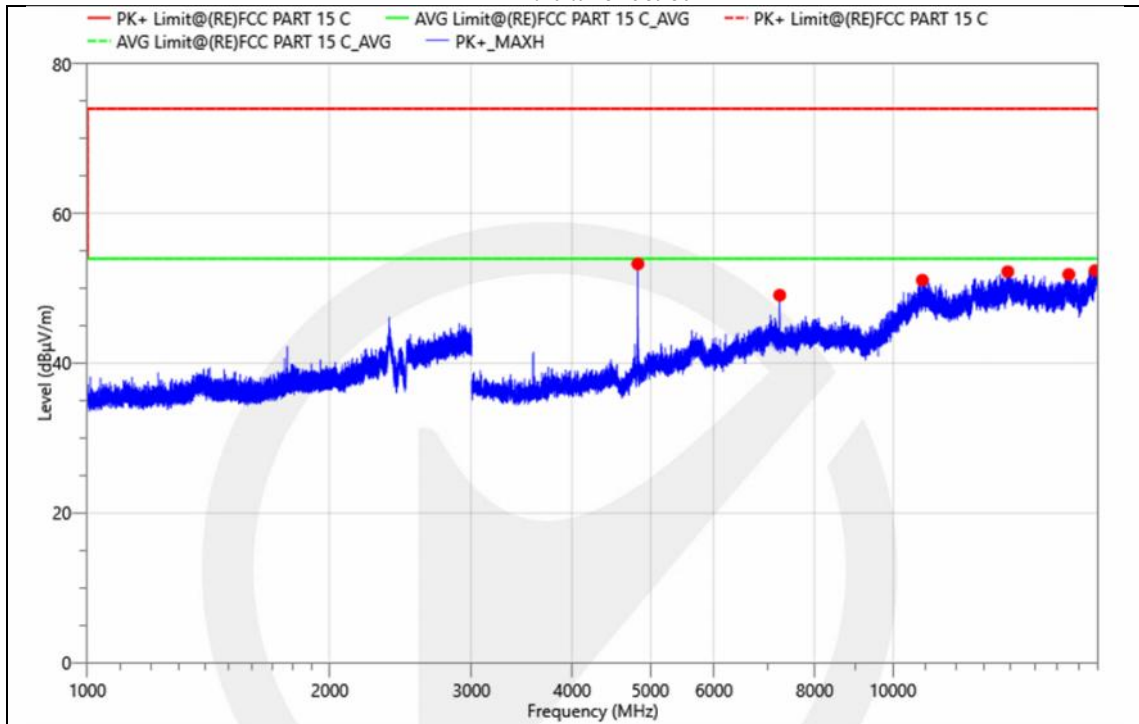


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4874.000	62.19	-7.01	55.18	74.00	18.82	PK+	H	PASS
2	4874.000	51.12	-7.01	44.11	54.00	9.89	AVG	H	PASS
3	7311.000	49.59	1.14	50.73	74.00	23.27	PK+	H	PASS
4	11010.000	41.91	8.77	50.68	74.00	23.32	PK+	H	PASS
5	13193.500	41.16	10.52	51.68	74.00	22.32	PK+	H	PASS
6	14616.000	41.13	11.57	52.70	74.00	21.30	PK+	H	PASS
7	17862.500	37.91	14.79	52.70	74.00	21.30	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2412Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 18:39:36

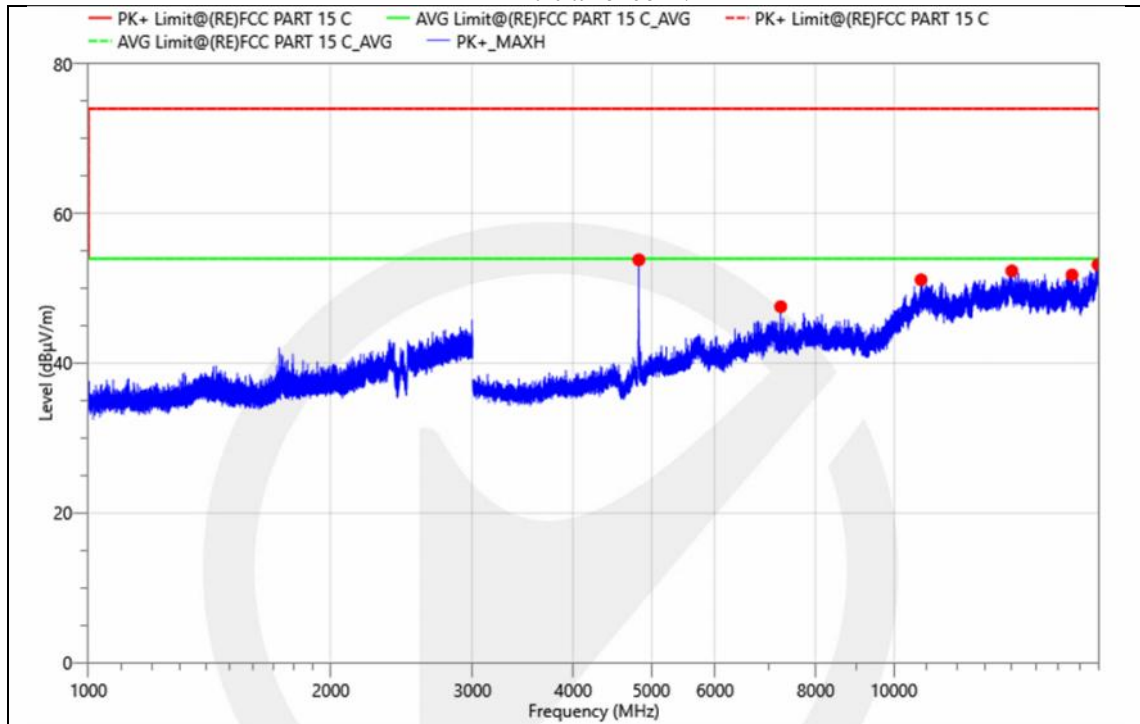


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4824.000	60.69	-7.41	53.28	74.00	20.72	PK+	V	PASS
2	7236.000	48.23	0.86	49.09	74.00	24.91	PK+	V	PASS
3	10880.500	43.49	7.61	51.10	74.00	22.90	PK+	V	PASS
4	13891.500	40.70	11.53	52.23	74.00	21.77	PK+	V	PASS
5	16539.500	39.44	12.43	51.87	74.00	22.13	PK+	V	PASS
6	17834.000	37.80	14.59	52.39	74.00	21.61	PK+	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2412Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

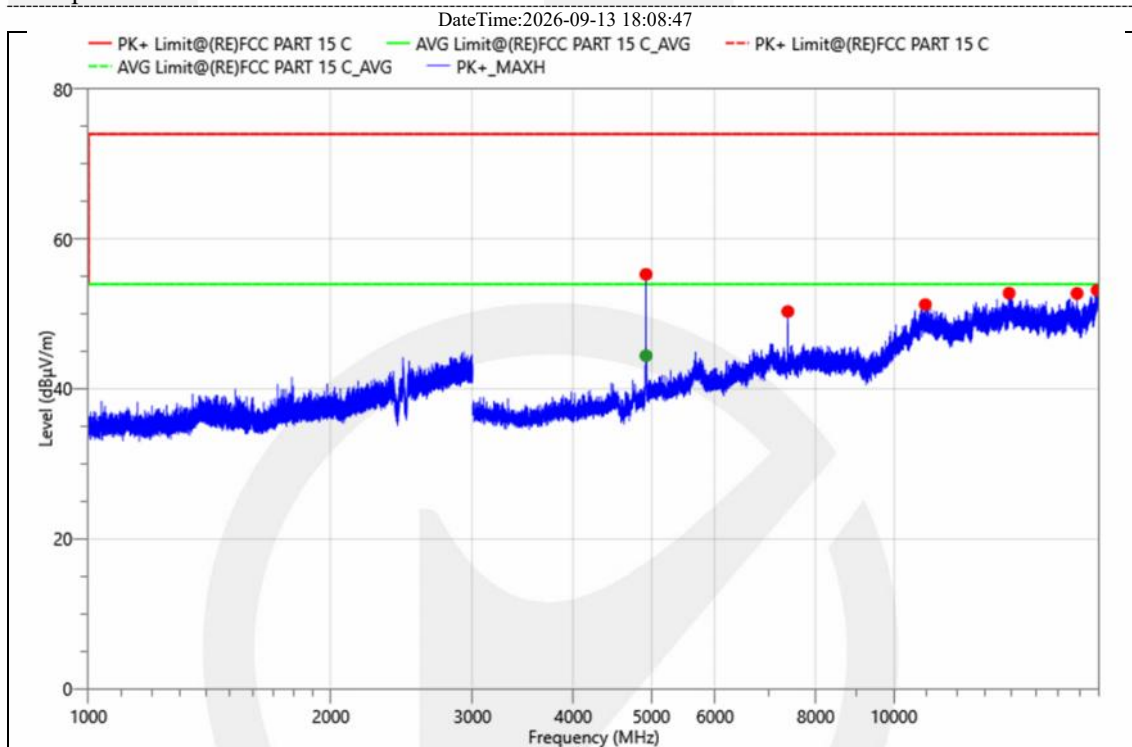
DateTime:2026-09-13 18:34:27



Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4824.000	61.23	-7.41	53.82	74.00	20.18	PK+	H	PASS
2	7237.000	46.70	0.86	47.56	74.00	26.44	PK+	H	PASS
3	10810.500	43.15	8	51.15	74.00	22.85	PK+	H	PASS
4	14011.000	41.11	11.23	52.34	74.00	21.66	PK+	H	PASS
5	16642.500	39.84	11.96	51.80	74.00	22.20	PK+	H	PASS
6	17924.500	37.95	15.24	53.19	74.00	20.81	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2462Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

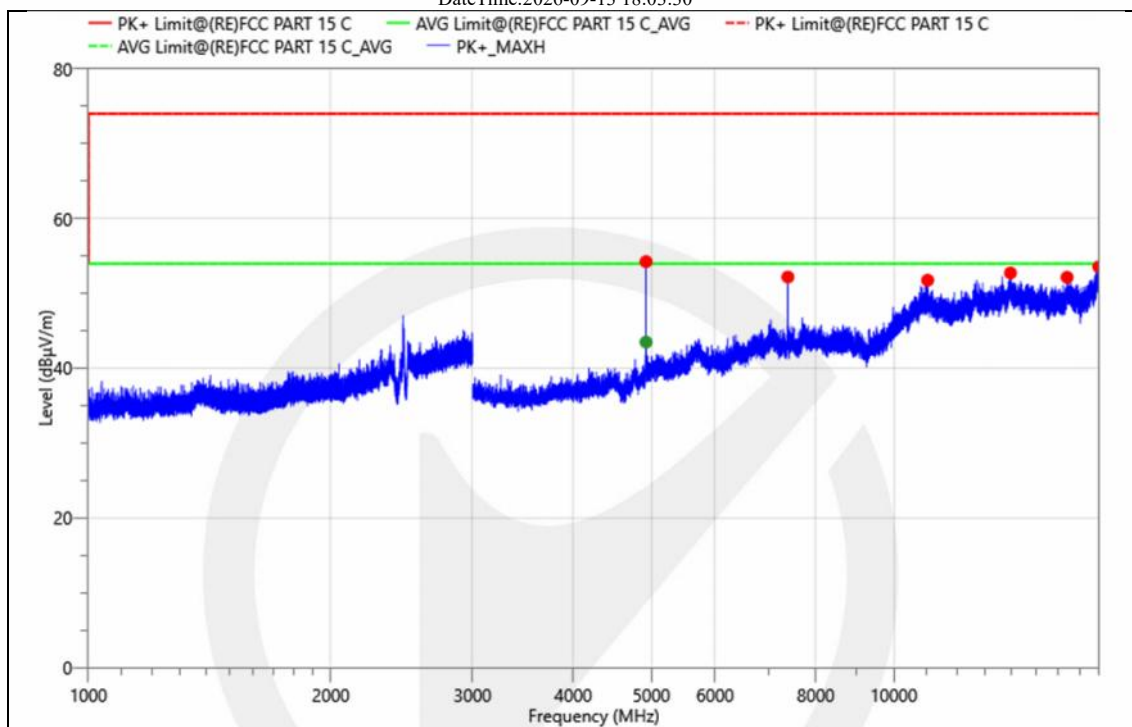


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4924.000	61.90	-6.61	55.29	74.00	18.71	PK+	H	PASS
2	4924.000	51.04	-6.61	44.43	54.00	9.57	AVG	H	PASS
3	7386.000	49.10	1.23	50.33	74.00	23.67	PK+	H	PASS
4	10942.500	43.24	8.02	51.26	74.00	22.74	PK+	H	PASS
5	13903.000	41.16	11.62	52.78	74.00	21.22	PK+	H	PASS
6	16883.500	40.22	12.52	52.74	74.00	21.26	PK+	H	PASS
7	17887.000	38.20	14.97	53.17	74.00	20.83	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2462Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 18:03:30

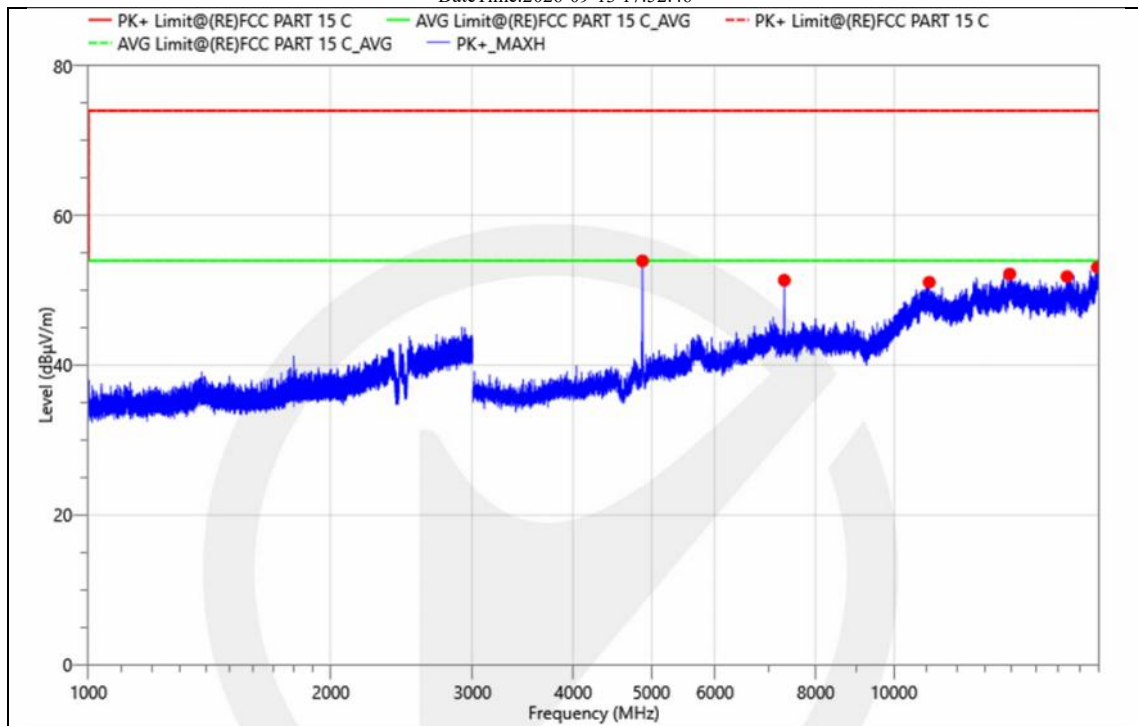


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4924.500	60.84	-6.6	54.24	74.00	19.76	PK+	V	PASS
2	4924.500	50.09	-6.6	43.49	54.00	10.51	AVG	V	PASS
3	7386.000	50.96	1.23	52.19	74.00	21.81	PK+	V	PASS
4	11016.000	43.03	8.73	51.76	74.00	22.24	PK+	V	PASS
5	13959.000	41.16	11.57	52.73	74.00	21.27	PK+	V	PASS
6	16408.000	39.92	12.23	52.15	74.00	21.85	PK+	V	PASS
7	17972.500	37.75	15.81	53.56	74.00	20.44	PK+	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2437Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:52:46

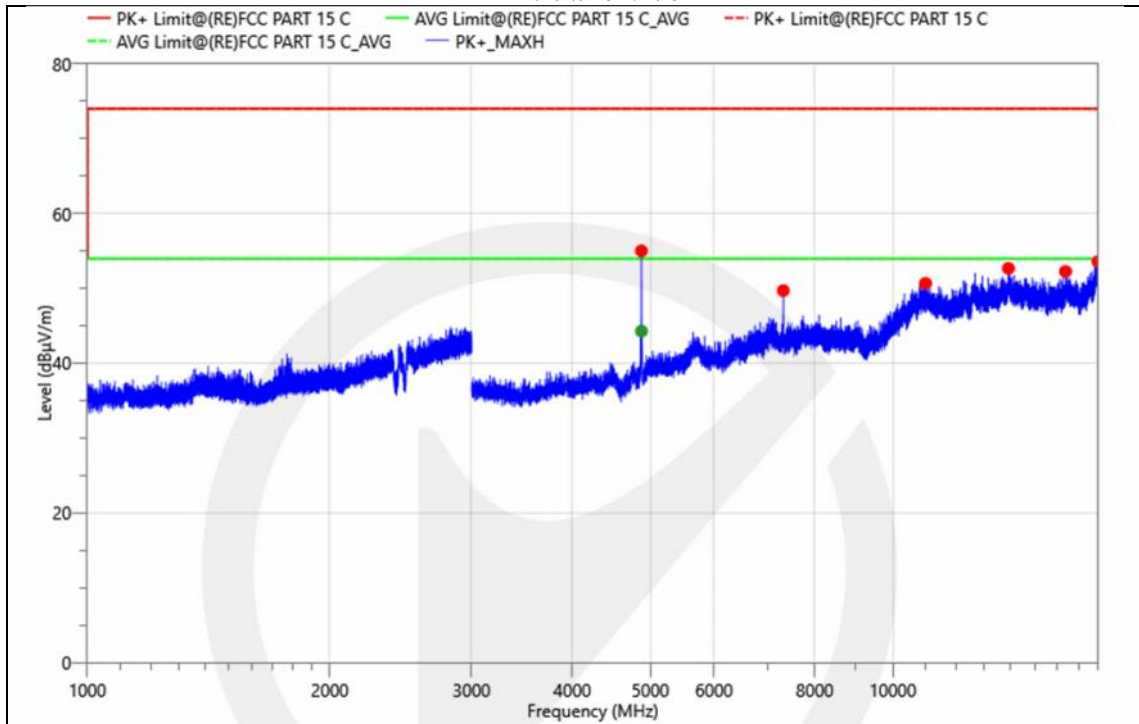


Final_Result (Margin=Limit-Meas.(Reading + Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4874.500	60.95	-7.01	53.94	74.00	20.06	PK+	V	PASS
2	7312.000	50.21	1.14	51.35	74.00	22.65	PK+	V	PASS
3	11065.000	42.65	8.44	51.09	74.00	22.91	PK+	V	PASS
4	13926.000	40.56	11.63	52.19	74.00	21.81	PK+	V	PASS
5	16409.500	39.61	12.24	51.85	74.00	22.15	PK+	V	PASS
6	17899.500	38.03	15.06	53.09	74.00	20.91	PK+	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2437Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:49:31

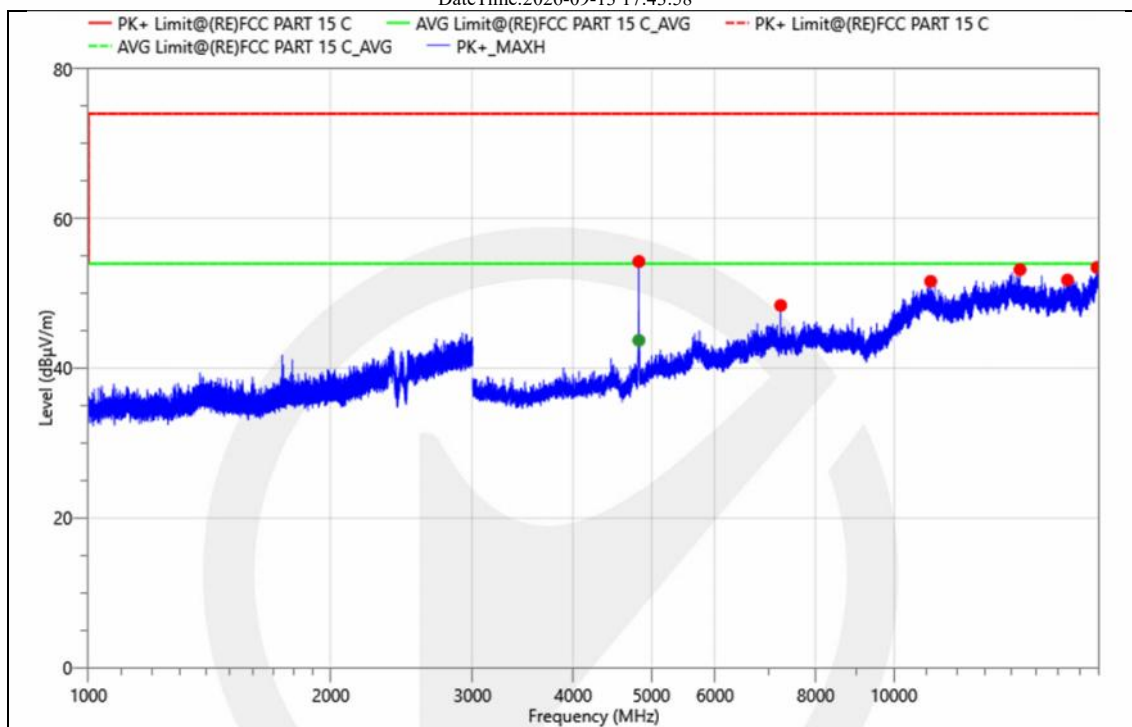


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4874.000	62.02	-7.01	55.01	74.00	18.99	PK+	H	PASS
2	4874.000	51.30	-7.01	44.29	54.00	9.71	AVG	H	PASS
3	7311.500	48.56	1.14	49.70	74.00	24.30	PK+	H	PASS
4	10979.000	42.15	8.53	50.68	74.00	23.32	PK+	H	PASS
5	13916.000	41.05	11.63	52.68	74.00	21.32	PK+	H	PASS
6	16383.000	40.34	11.93	52.27	74.00	21.73	PK+	H	PASS
7	17979.000	37.67	15.92	53.59	74.00	20.41	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2412Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:43:58



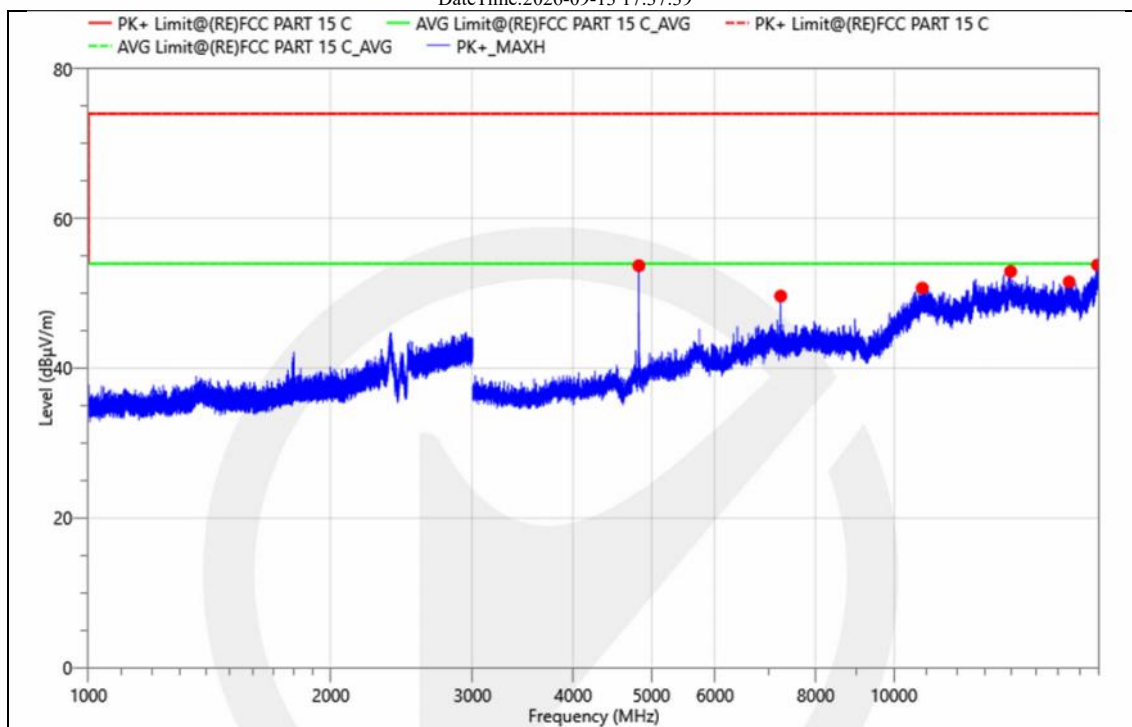
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4824.000	61.67	-7.41	54.26	74.00	19.74	PK+	H	PASS
2	4824.000	51.13	-7.41	43.72	54.00	10.28	AVG	H	PASS
3	7236.500	47.53	0.86	48.39	74.00	25.61	PK+	H	PASS
4	11109.500	43.40	8.22	51.62	74.00	22.38	PK+	H	PASS
5	14342.500	42.04	11.13	53.17	74.00	20.83	PK+	H	PASS
6	16430.000	39.44	12.36	51.80	74.00	22.20	PK+	H	PASS
7	17872.500	38.60	14.86	53.46	74.00	20.54	PK+	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2412Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:37:39



Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4824.000	61.11	-7.41	53.70	74.00	20.30	PK+	V	PASS
2	7236.500	48.78	0.86	49.64	74.00	24.36	PK+	V	PASS
3	10850.000	42.95	7.76	50.71	74.00	23.29	PK+	V	PASS
4	13963.500	41.40	11.53	52.93	74.00	21.07	PK+	V	PASS
5	16508.500	39.02	12.52	51.54	74.00	22.46	PK+	V	PASS
6	17903.500	38.71	15.09	53.80	74.00	20.20	PK+	V	PASS

Note:

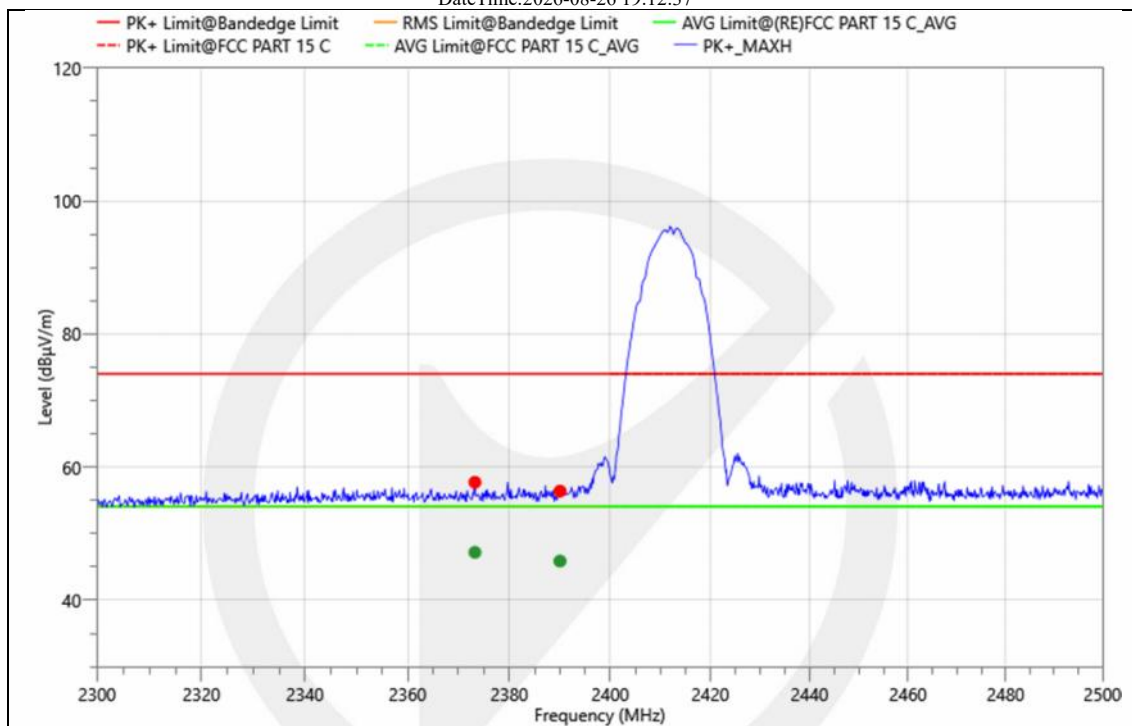
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=1kHz).
- (2) Emission Level= Reading Level+Correct Factor.
- (3) Correct Factor= Ant_F + Cab_L - Preamp
- (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5)The test frequency range, 18GHz~25GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.

■ Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

All the antenna(Antenna 1) and modes(802.11b/g/n) have been tested and the worst(Antenna 1,802.11b) result recorded was report as below:

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2412MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:12:37



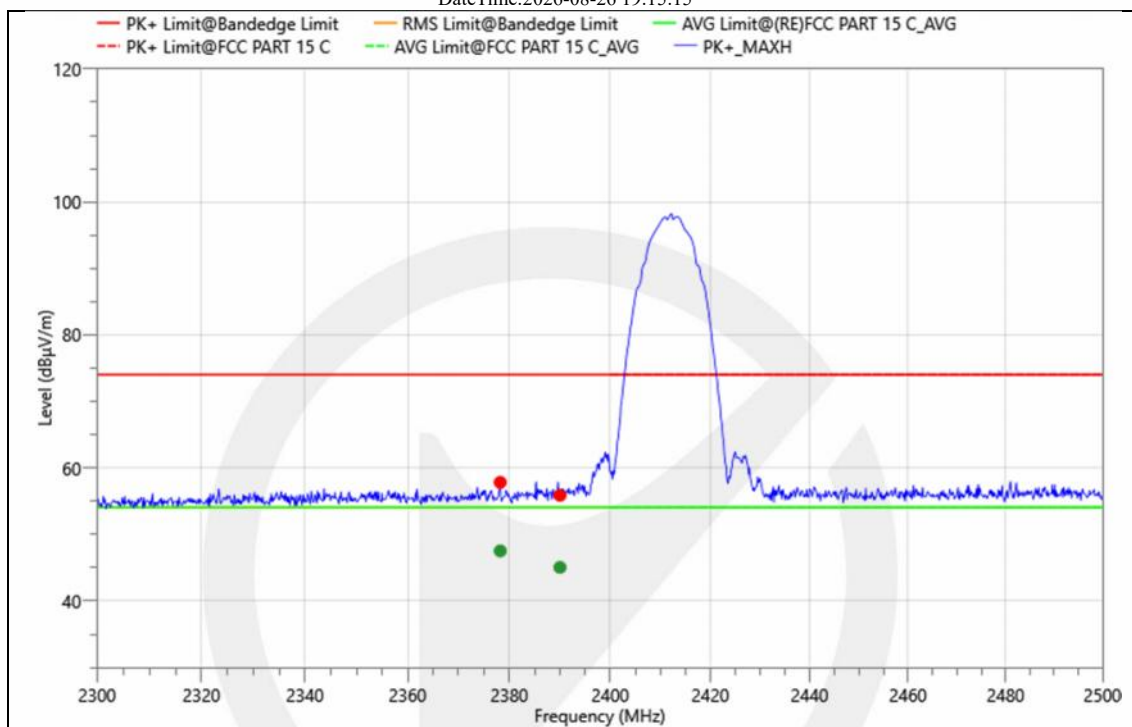
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2373.200	27.69	30.04	57.73	74.00	16.27	PK+	V	PASS
2	2373.200	17.15	30.04	47.19	54.00	6.81	AVG	V	PASS
3	2390.000	26.33	30.06	56.39	74.00	17.61	PK+	V	PASS
4	2390.000	15.82	30.06	45.88	54.00	8.12	AVG	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2412MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:15:15



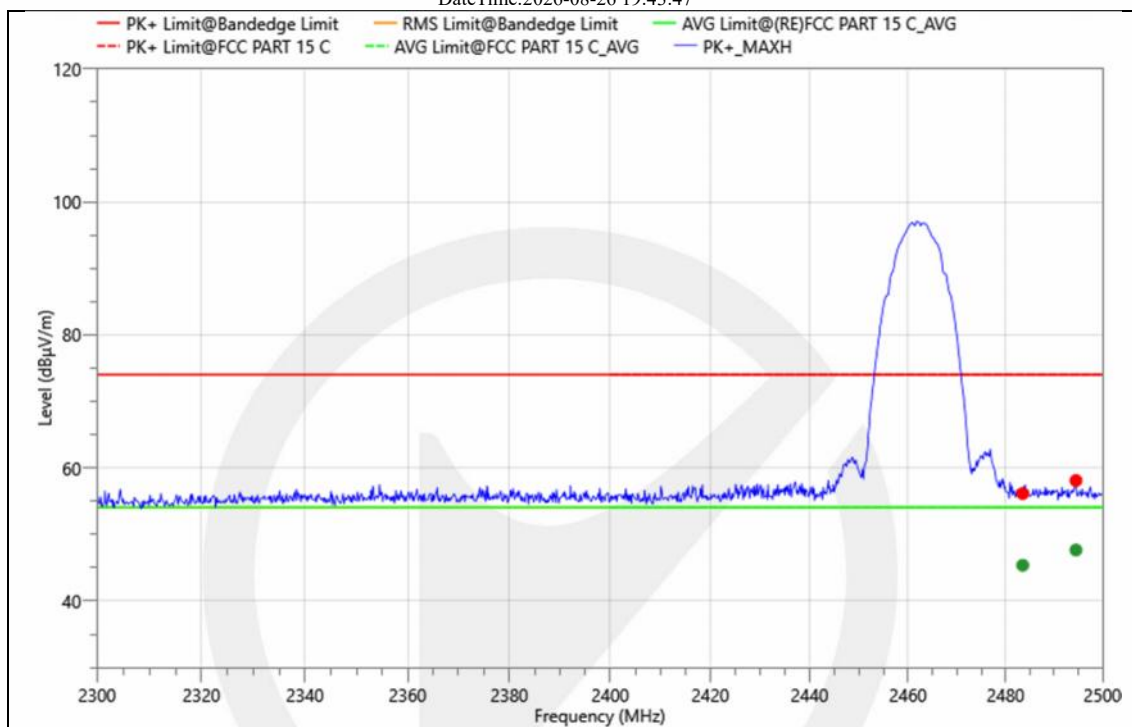
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2378.200	27.79	30.05	57.84	74.00	16.16	PK+	H	PASS
2	2378.200	17.48	30.05	47.53	54.00	6.47	AVG	H	PASS
3	2390.000	25.82	30.06	55.88	74.00	18.12	PK+	H	PASS
4	2390.000	15.00	30.06	45.06	54.00	8.94	AVG	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2462MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:43:47



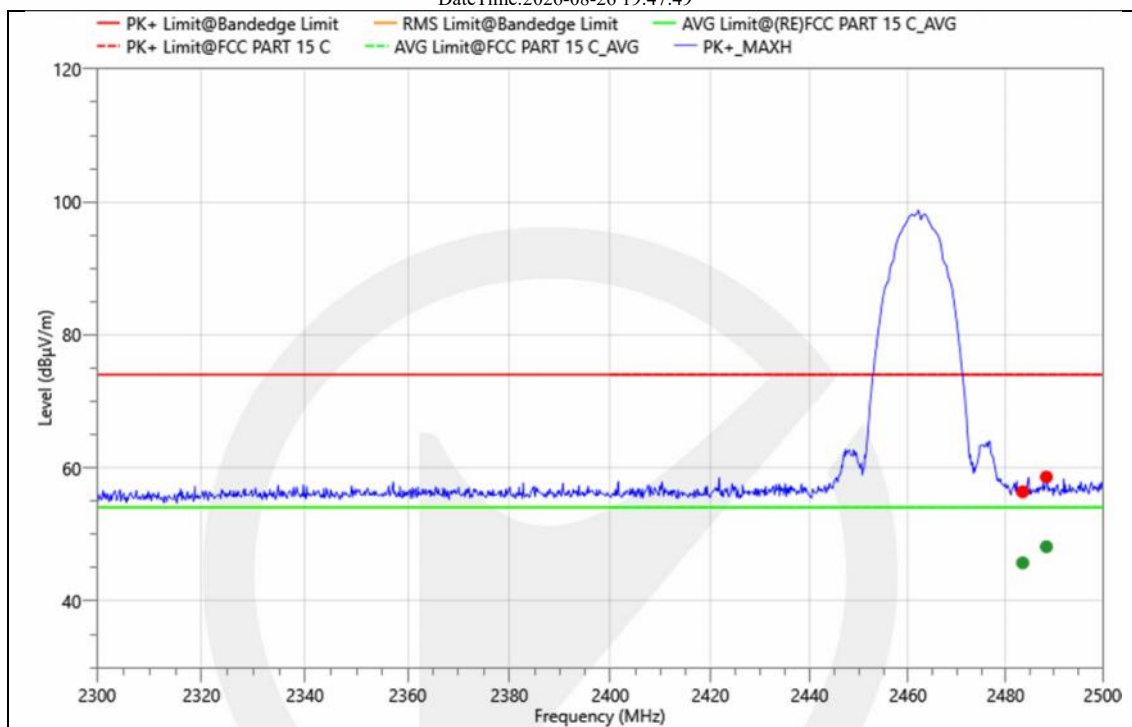
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2483.500	25.81	30.34	56.15	74.00	17.85	PK+	V	PASS
2	2483.500	15.03	30.34	45.37	54.00	8.63	AVG	V	PASS
3	2494.500	27.74	30.37	58.11	74.00	15.89	PK+	V	PASS
4	2494.500	17.29	30.37	47.66	54.00	6.34	AVG	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2462MHz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	69%

DateTime:2026-08-26 19:47:49

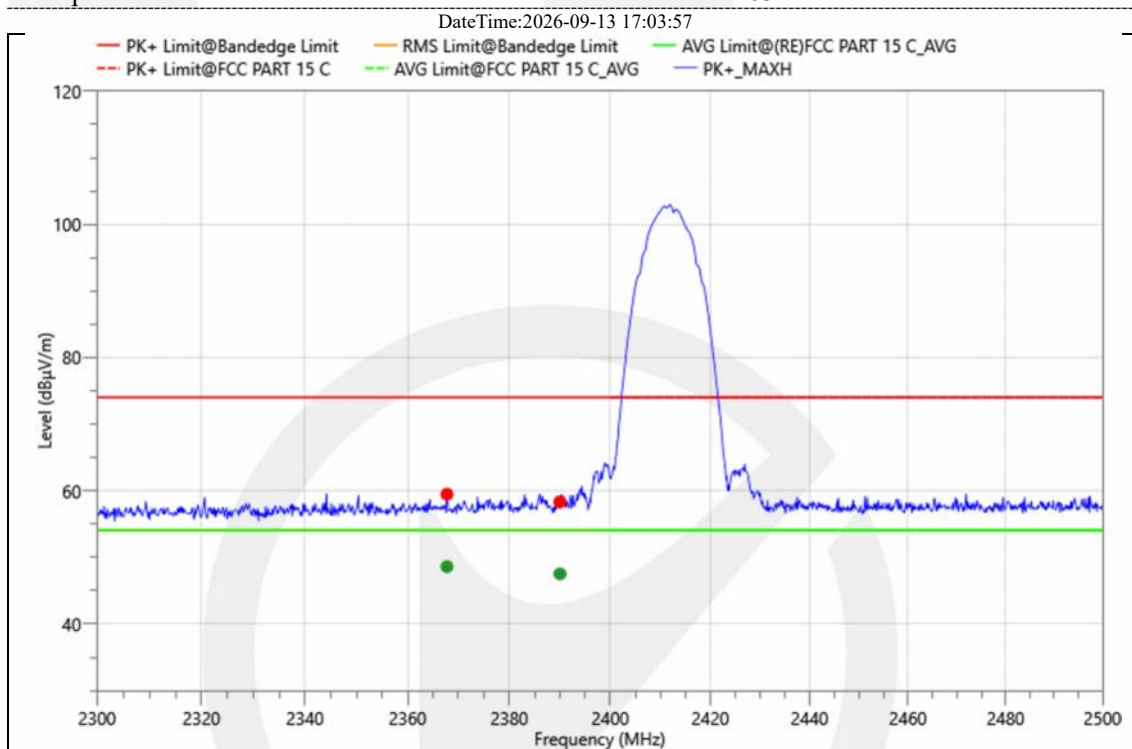


Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2483.500	26.08	30.34	56.42	74.00	17.58	PK+	H	PASS
2	2483.500	15.39	30.34	45.73	54.00	8.27	AVG	H	PASS
3	2488.400	28.29	30.36	58.65	74.00	15.35	PK+	H	PASS
4	2488.400	17.80	30.36	48.16	54.00	5.84	AVG	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2412Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

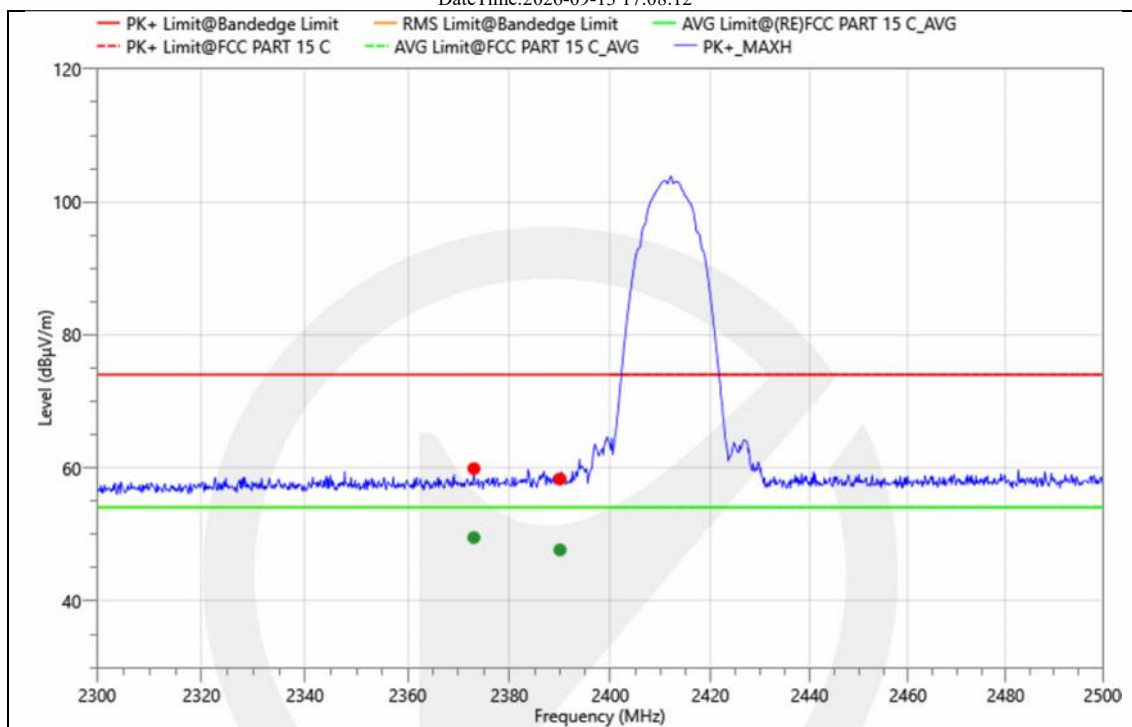


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2367.700	28.57	30.92	59.49	74.00	14.51	PK+	V	PASS
2	2367.700	17.70	30.92	48.62	54.00	5.38	AVG	V	PASS
3	2390.000	27.43	30.92	58.35	74.00	15.65	PK+	V	PASS
4	2390.000	16.61	30.92	47.53	54.00	6.47	AVG	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2412Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:08:12



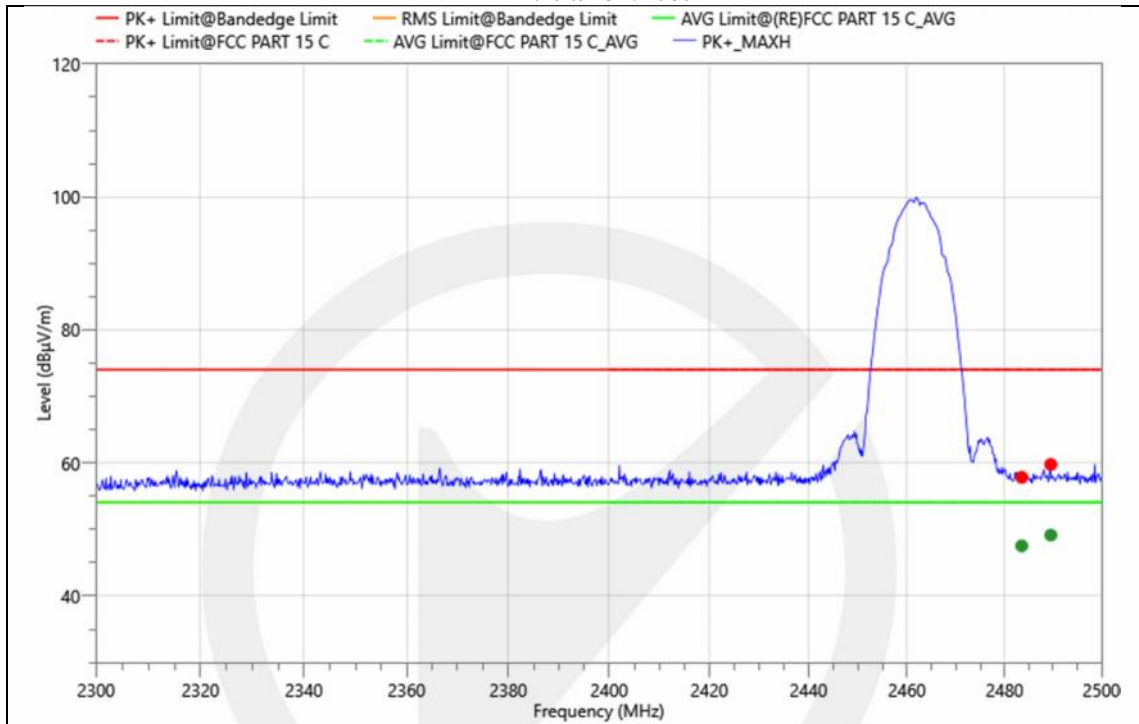
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2373.000	28.98	30.93	59.91	74.00	14.09	PK+	H	PASS
2	2373.000	18.60	30.93	49.53	54.00	4.47	AVG	H	PASS
3	2390.000	27.43	30.92	58.35	74.00	15.65	PK+	H	PASS
4	2390.000	16.76	30.92	47.68	54.00	6.32	AVG	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2462Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:16:36

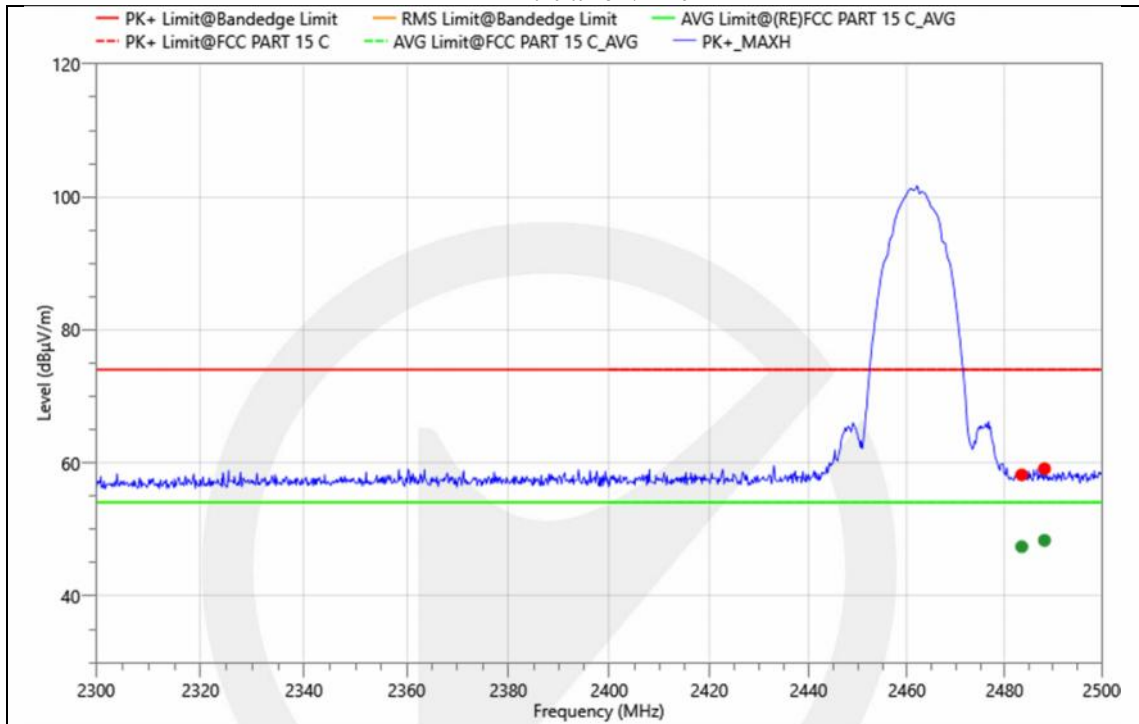


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2483.500	26.67	31.18	57.85	74.00	16.15	PK+	V	PASS
2	2483.500	16.36	31.18	47.54	54.00	6.46	AVG	V	PASS
3	2489.500	28.58	31.2	59.78	74.00	14.22	PK+	V	PASS
4	2489.500	17.96	31.2	49.16	54.00	4.84	AVG	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX 2462Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

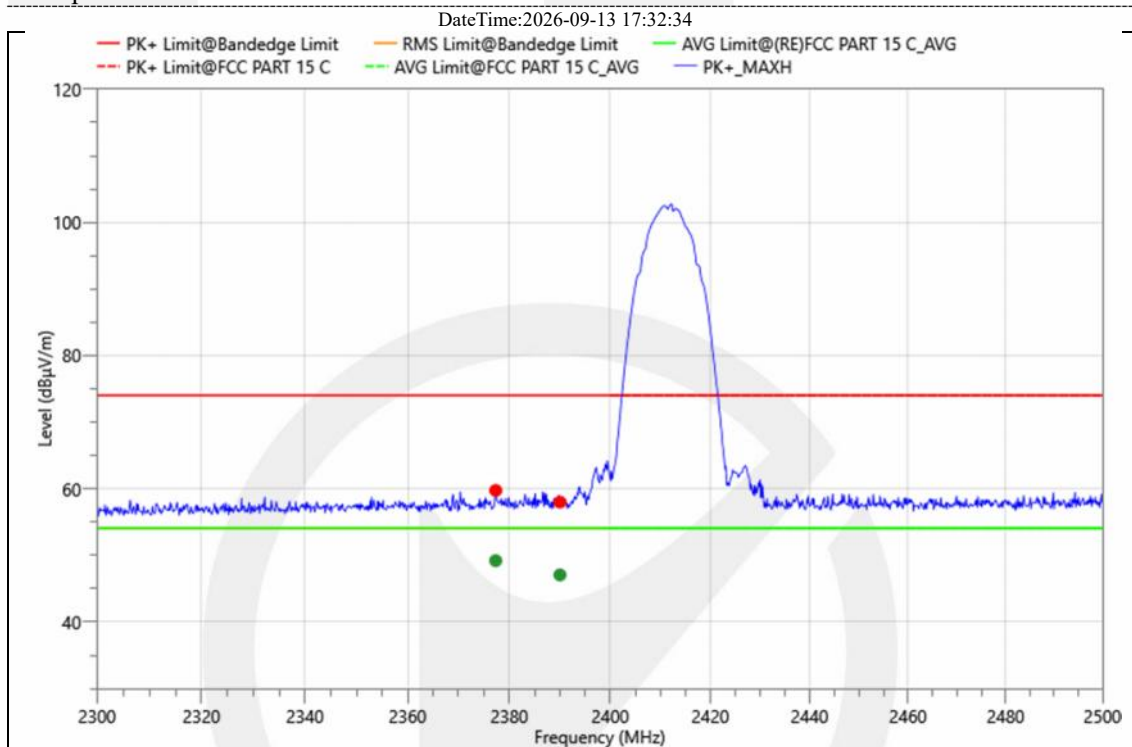
DateTime:2026-09-13 17:12:25



Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2483.500	27.03	31.18	58.21	74.00	15.79	PK+	H	PASS
2	2483.500	16.23	31.18	47.41	54.00	6.59	AVG	H	PASS
3	2488.200	27.94	31.19	59.13	74.00	14.87	PK+	H	PASS
4	2488.200	17.18	31.19	48.37	54.00	5.63	AVG	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2412Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

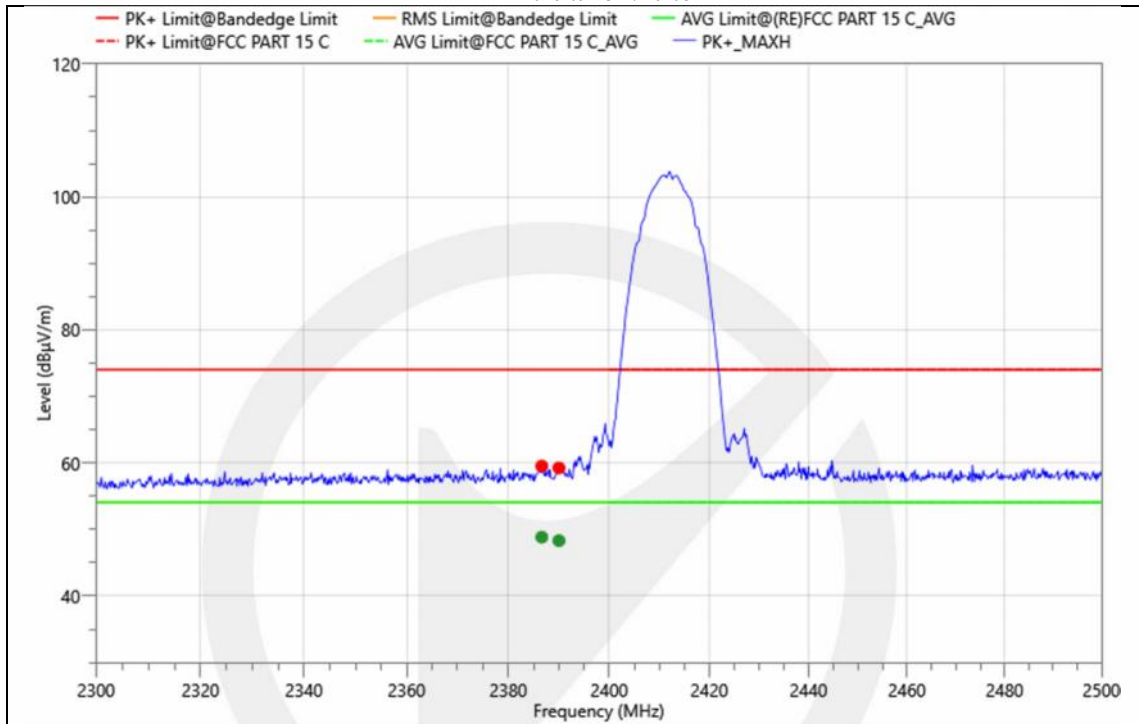


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2377.300	28.83	30.93	59.76	74.00	14.24	PK+	V	PASS
2	2377.300	18.28	30.93	49.21	54.00	4.79	AVG	V	PASS
3	2390.000	27.08	30.92	58.00	74.00	16.00	PK+	V	PASS
4	2390.000	16.15	30.92	47.07	54.00	6.93	AVG	V	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2412Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:29:08

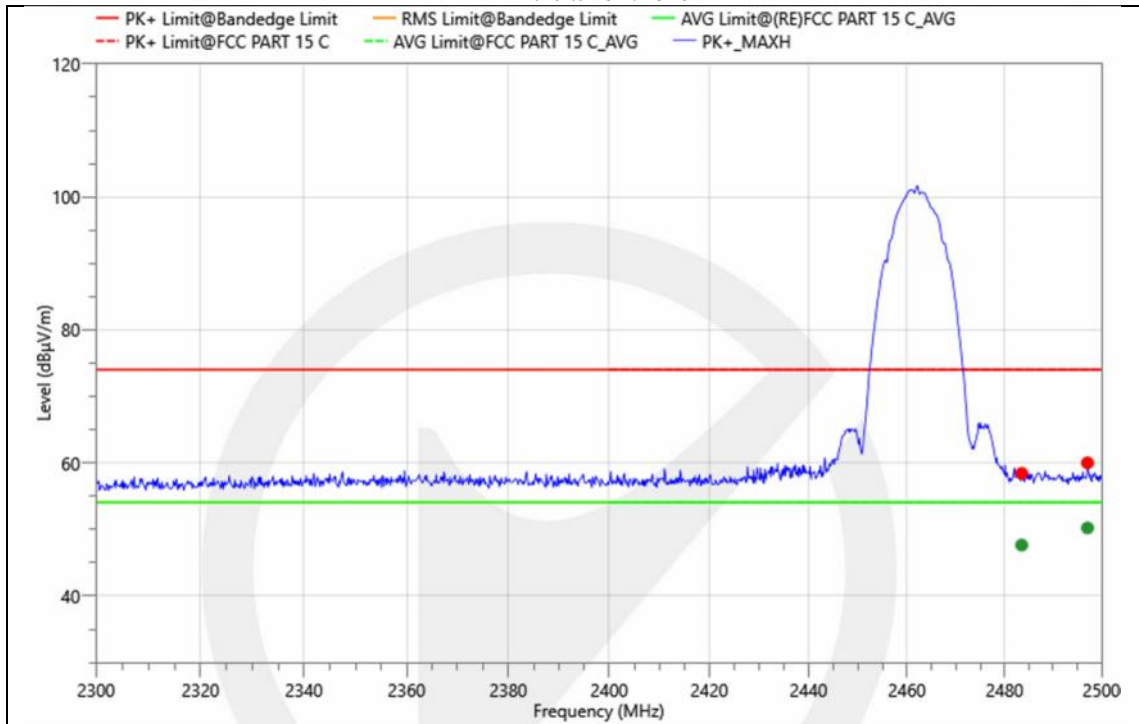


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2386.600	28.62	30.92	59.54	74.00	14.46	PK+	H	PASS
2	2386.600	17.93	30.92	48.85	54.00	5.15	AVG	H	PASS
3	2390.000	28.34	30.92	59.26	74.00	14.74	PK+	H	PASS
4	2390.000	17.40	30.92	48.32	54.00	5.68	AVG	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2462Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:23:25

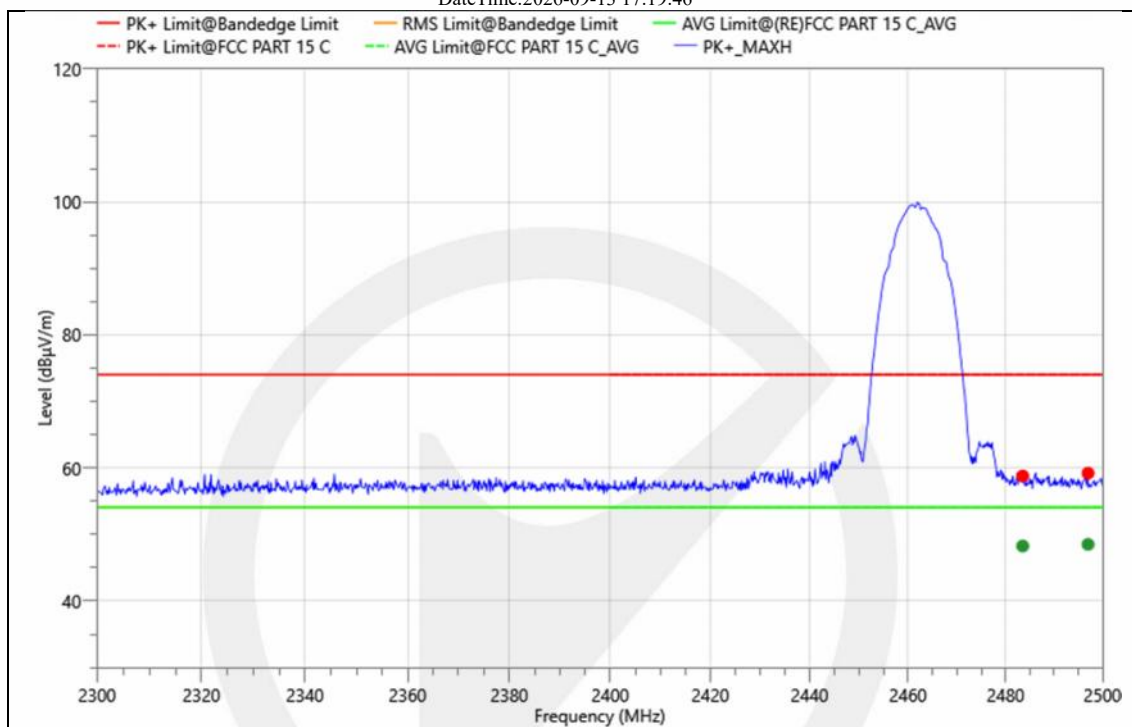


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2483.500	27.26	31.18	58.44	74.00	15.56	PK+	H	PASS
2	2483.500	16.48	31.18	47.66	54.00	6.34	AVG	H	PASS
3	2497.100	28.80	31.22	60.02	74.00	13.98	PK+	H	PASS
4	2497.100	19.01	31.22	50.23	54.00	3.77	AVG	H	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX 2462Mz by 802.11b
Voltage :	AC 120V/60Hz	Engineer :	WK Luo
Temp :	24°C	Humi :	63%

DateTime:2026-09-13 17:19:46



Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	2483.500	27.61	31.18	58.79	74.00	15.21	PK+	V	PASS
2	2483.500	17.09	31.18	48.27	54.00	5.73	AVG	V	PASS
3	2497.000	28.00	31.22	59.22	74.00	14.78	PK+	V	PASS
4	2497.000	17.29	31.22	48.51	54.00	5.49	AVG	V	PASS

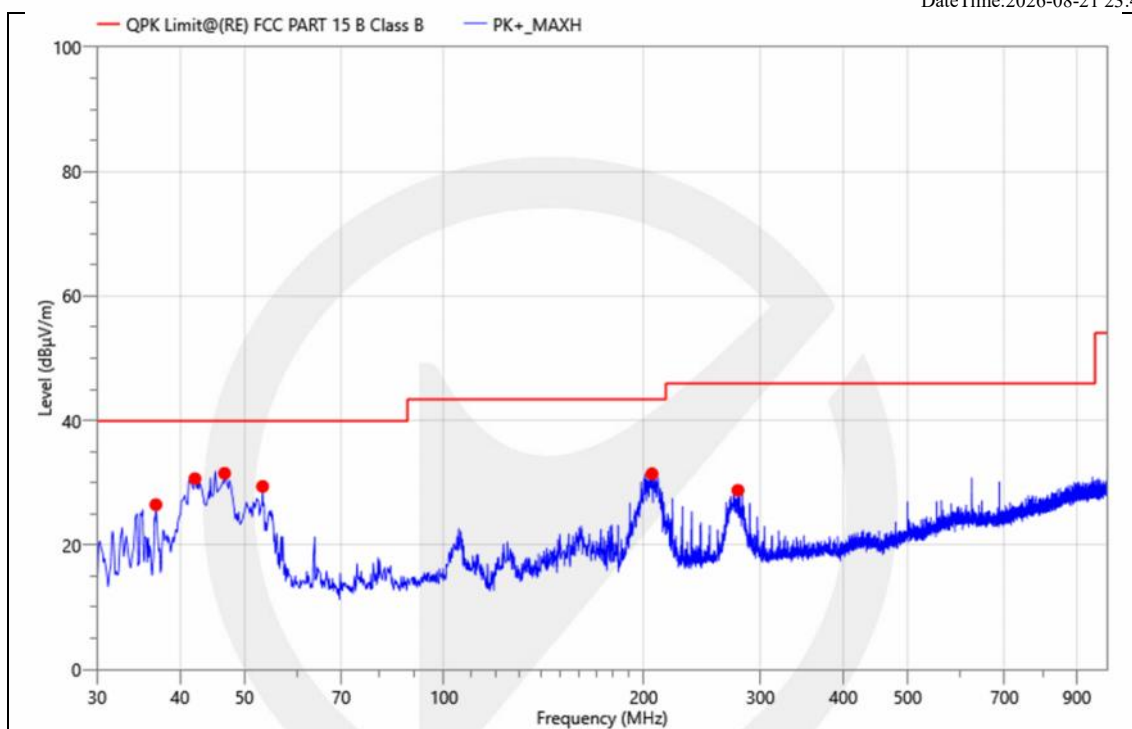
- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=1kHz).
 - (2) Emission Level= Reading Level+Correct Factor.
 - (3) Correct Factor= Ant_F + Cab_L - Preamp
 - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission below 1GHz (30MHz to 1GHz)

All the antenna(Antenna 1) and modes(802.11b/g/n) have been tested and the worst(Antenna 1,802.11b) result recorded was report as below:

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd
Sample No. :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Andy
Temp :	24°C	Humi :	67%

DateTime:2026-08-21 23:40:11



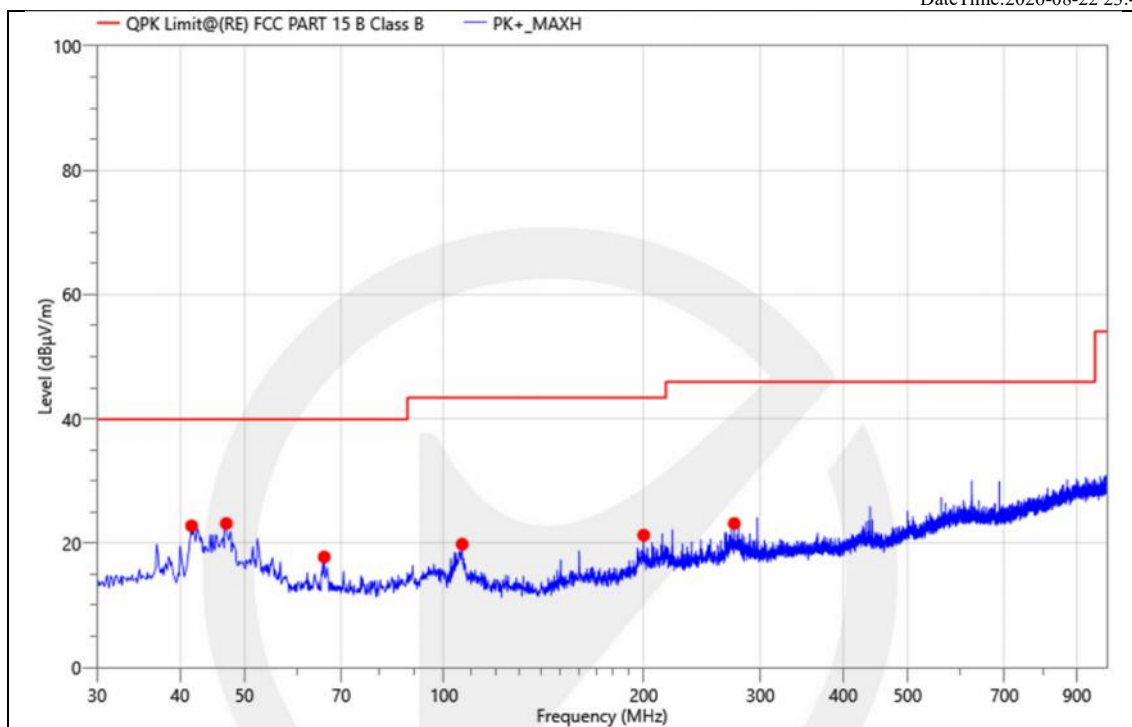
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	36.790	50.94	-24.46	26.48	40.00	13.52	QPK	100	V	194.8	PASS
2	42.125	54.93	-24.27	30.66	40.00	9.34	QPK	100	V	90.6	PASS
3	46.684	55.20	-23.69	31.51	40.00	8.49	QPK	100	V	6.1	PASS
4	53.280	53.80	-24.39	29.41	40.00	10.59	QPK	100	V	281.1	PASS
5	205.861	55.51	-24.07	31.44	43.50	12.06	QPK	100	V	298.3	PASS
6	277.447	50.81	-22.02	28.79	46.00	17.21	QPK	100	V	250.1	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Andy
Temp :	24°C	Humi :	67%

DateTime:2026-08-22 23:45:45



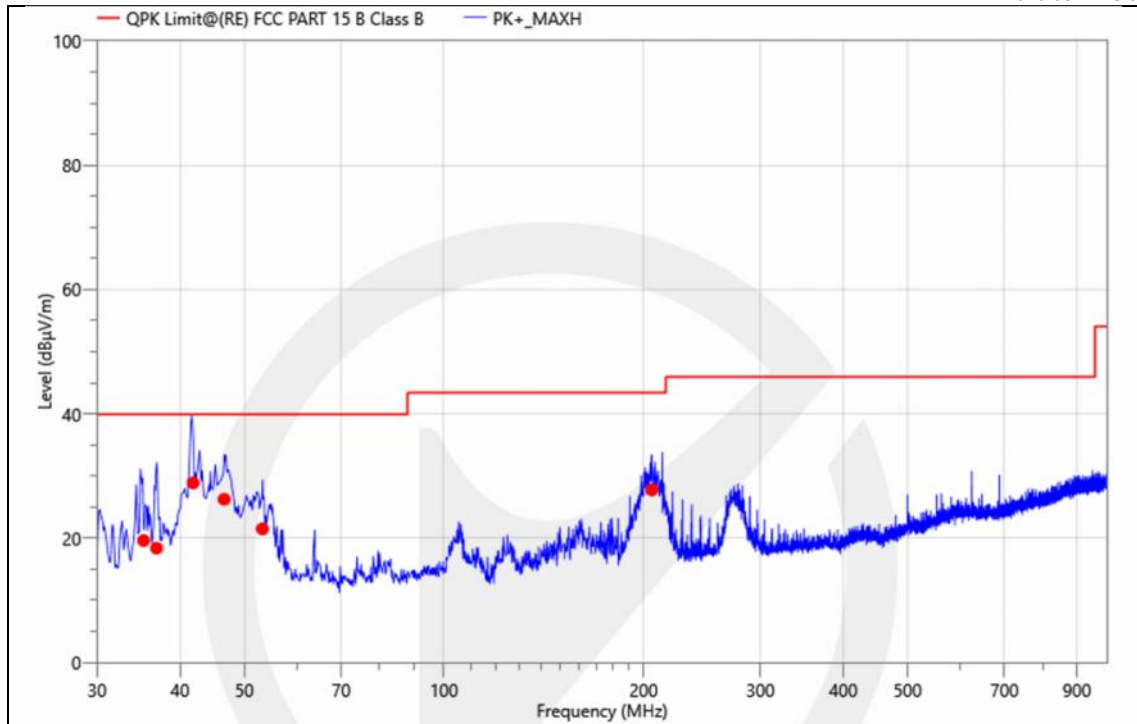
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	41.640	47.17	-24.38	22.79	40.00	17.21	QPK	100	H	0.0	PASS
2	46.975	46.87	-23.7	23.17	40.00	16.83	QPK	100	H	0.0	PASS
3	65.987	43.85	-26.07	17.78	40.00	22.22	QPK	100	H	0.0	PASS
4	106.533	44.79	-24.96	19.83	43.50	23.67	QPK	100	H	174.7	PASS
5	200.041	45.47	-24.19	21.28	43.50	22.22	QPK	100	H	360.0	PASS
6	273.955	45.20	-22.03	23.17	46.00	22.83	QPK	100	H	205.1	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Andy
Temp :	24°C	Humi :	67%

DateTime:2026-08-21 23:57:11



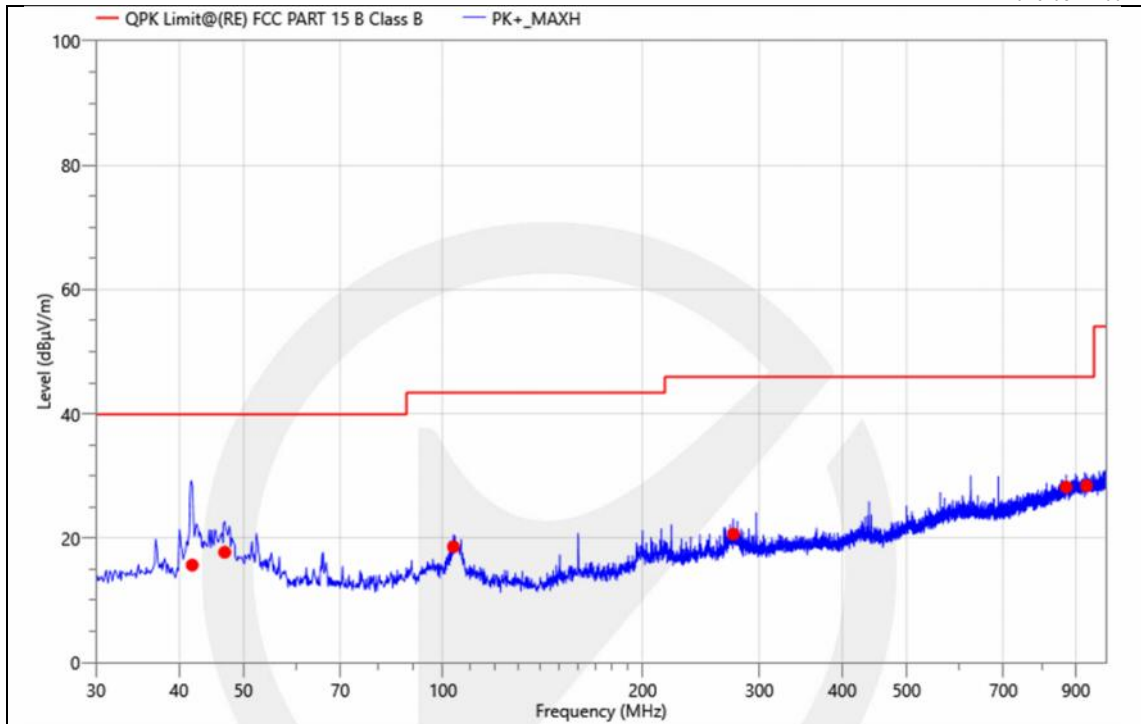
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	35.248	43.95	-24.33	19.62	40.00	20.38	QPK	100.0	V	244.8	PASS
2	36.869	42.85	-24.46	18.39	40.00	21.61	QPK	100.0	V	194.8	PASS
3	41.872	53.22	-24.33	28.89	40.00	11.11	QPK	100.0	V	203.1	PASS
4	46.618	49.95	-23.69	26.26	40.00	13.74	QPK	100.0	V	210.2	PASS
5	53.238	45.88	-24.39	21.49	40.00	18.51	QPK	100.0	V	281.1	PASS
6	205.811	51.85	-24.07	27.78	43.50	15.72	QPK	100.0	V	298.3	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Andy
Temp :	24°C	Humi :	67%

DateTime:2026-08-22 00:11:45



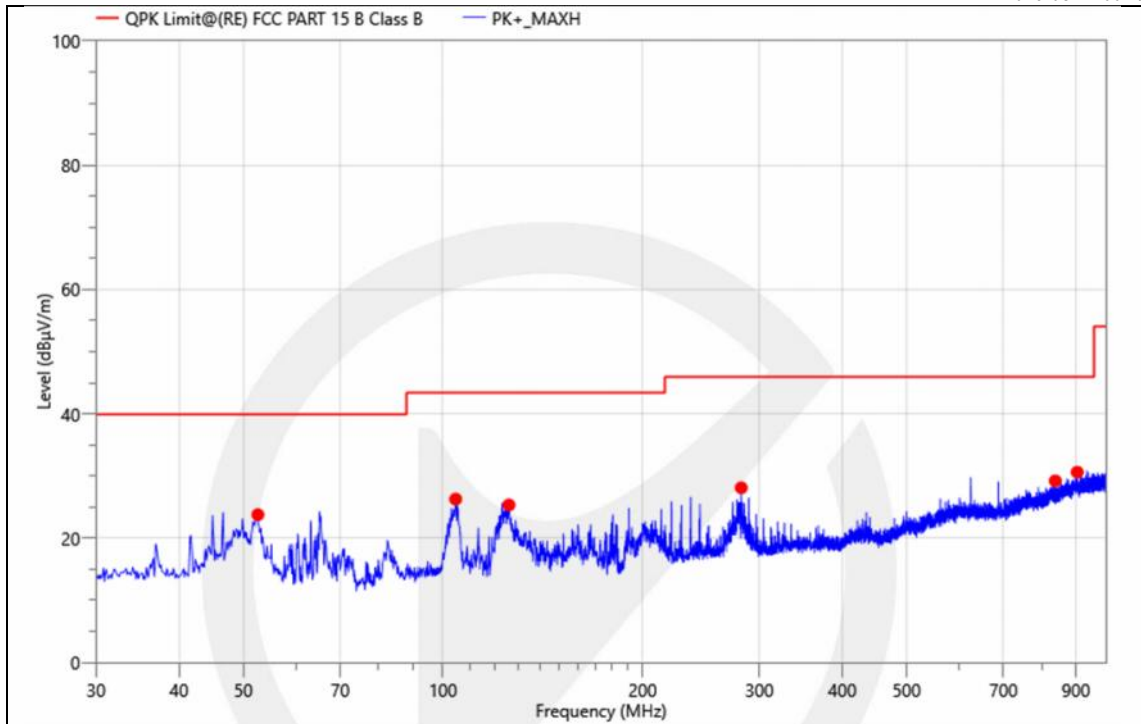
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	41.878	40.00	-24.33	15.67	40.00	24.33	QPK	100.0	H	0.0	PASS
2	46.878	41.44	-23.7	17.74	40.00	22.26	QPK	100	H	0.0	PASS
3	103.720	43.27	-24.66	18.61	43.50	24.89	QPK	100	H	174.7	PASS
4	274.052	42.68	-22.03	20.65	46.00	25.35	QPK	100	H	205.1	PASS
5	870.214	39.68	-11.45	28.23	46.00	17.77	QPK	100	H	86.0	PASS
6	933.943	39.30	-10.87	28.43	46.00	17.57	QPK	100	H	86.0	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Andy
Temp :	24°C	Humi :	67%

DateTime:2026-08-22 00:19:20



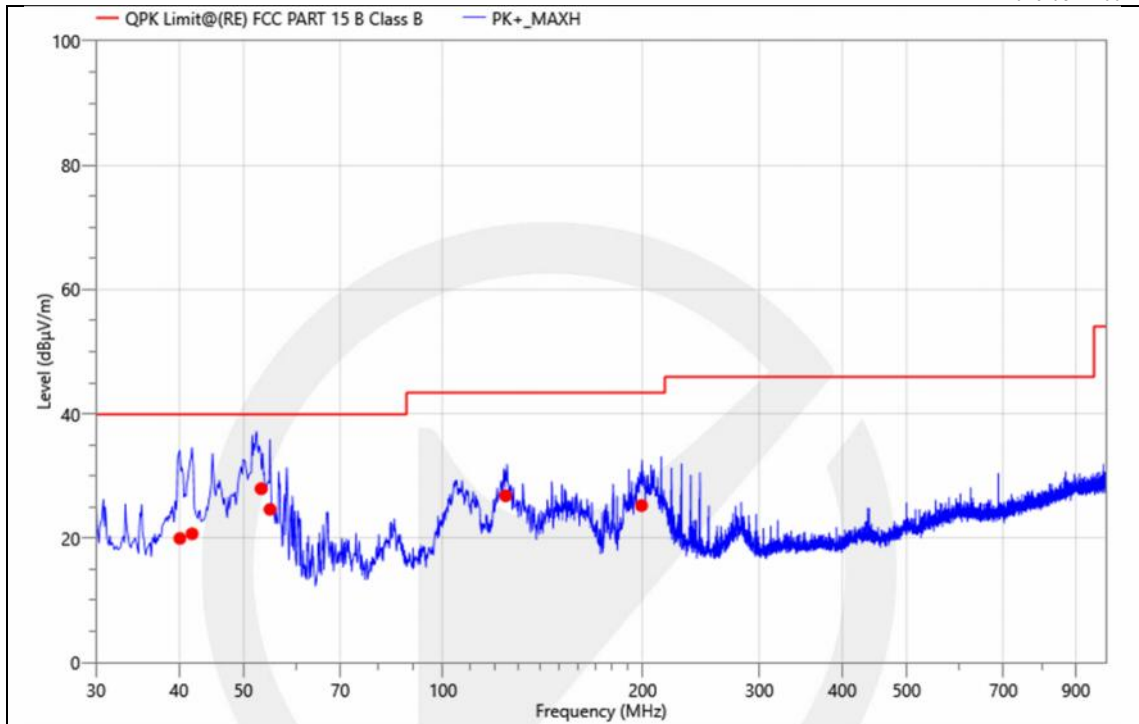
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	52.601	48.04	-24.26	23.78	40.00	16.22	QPK	100	H	321.2	PASS
2	104.496	51.03	-24.74	26.29	43.50	17.21	QPK	100	H	341.4	PASS
3	125.739	52.37	-27.03	25.34	43.50	18.16	QPK	100	H	312.9	PASS
4	281.618	50.11	-22	28.11	46.00	17.89	QPK	100	H	298.6	PASS
5	837.913	41.49	-12.26	29.23	46.00	16.77	QPK	100	H	137.8	PASS
6	904.261	41.66	-11.04	30.62	46.00	15.38	QPK	100	H	70.0	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Andy
Temp :	24°C	Humi :	67%

DateTime:2026-08-22 00:27:52



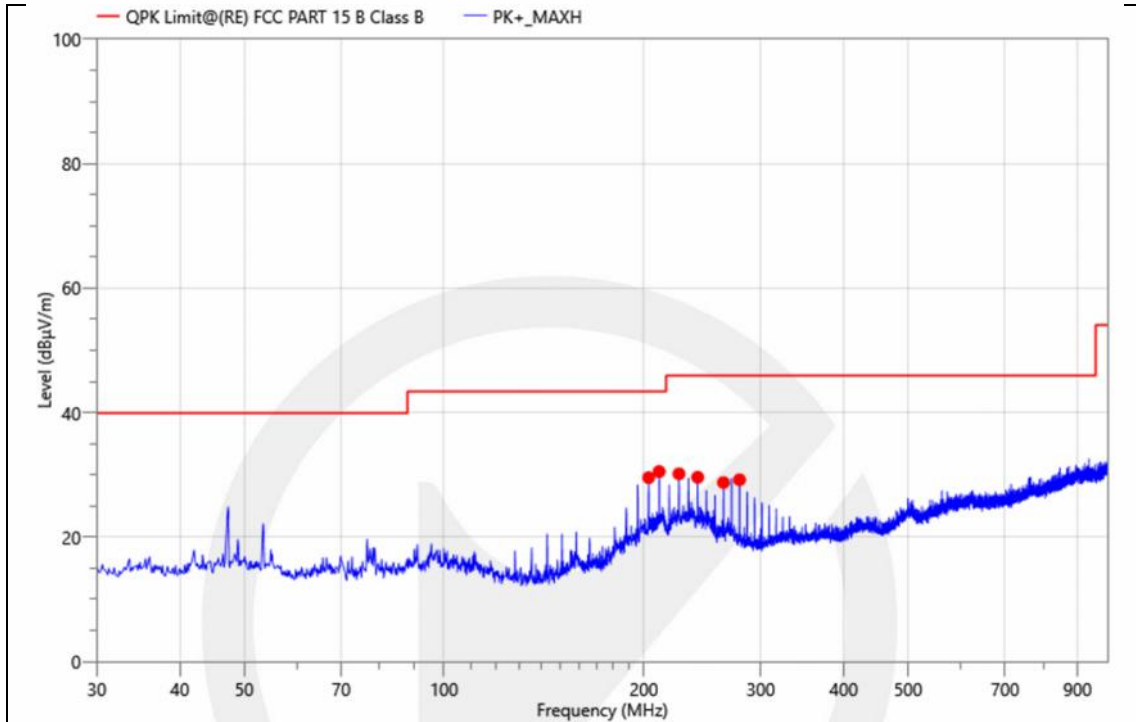
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	40.126	44.66	-24.7	19.96	40.00	20.04	QPK	100.0	V	107.2	PASS
2	41.857	45.03	-24.33	20.70	40.00	19.30	QPK	100.0	V	287.0	PASS
3	53.205	52.33	-24.38	27.95	40.00	12.05	QPK	100.0	V	281.6	PASS
4	54.867	49.32	-24.69	24.63	40.00	15.37	QPK	100.0	V	241.8	PASS
5	124.311	53.77	-26.95	26.82	43.50	16.68	QPK	100.0	V	239.4	PASS
6	199.238	49.53	-24.28	25.25	43.50	18.25	QPK	100.0	V	259.0	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 18:02:23



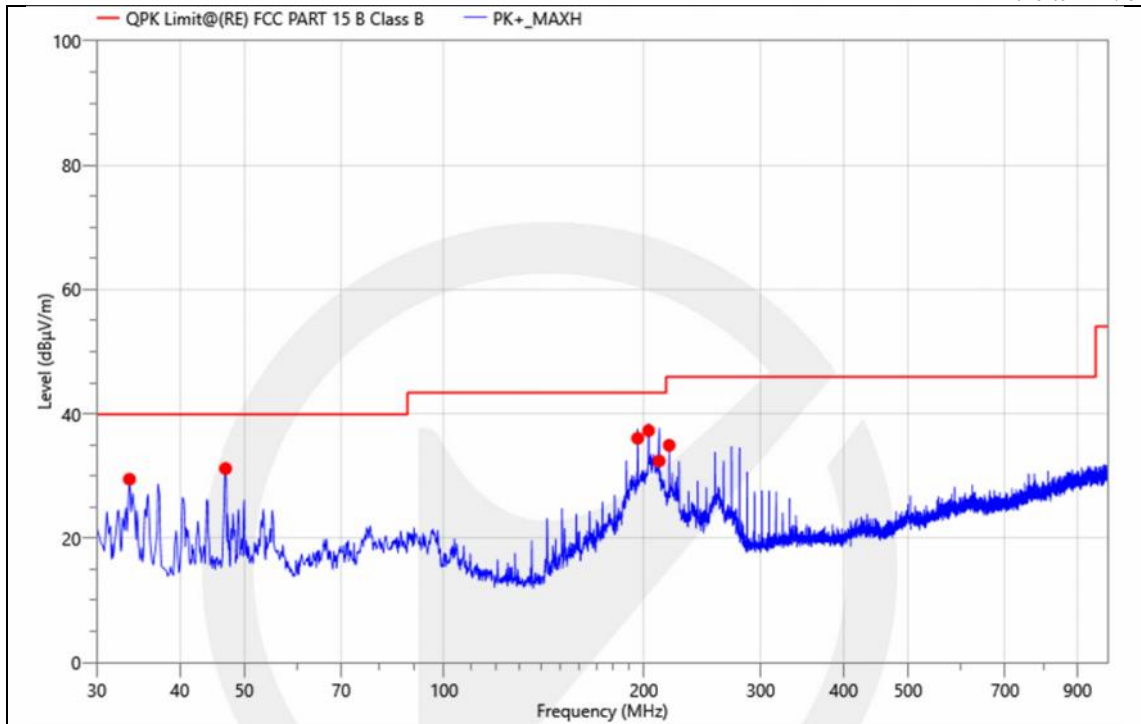
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	203.339	53.67	-24.12	29.55	43.50	13.95	QPK	200	H	0.0	PASS
2	210.905	54.47	-23.94	30.53	43.50	12.97	QPK	100	H	28.8	PASS
3	225.940	53.64	-23.47	30.17	46.00	15.83	QPK	200	H	2.0	PASS
4	241.072	52.39	-22.78	29.61	46.00	16.39	QPK	200	H	12.7	PASS
5	263.576	50.88	-22.11	28.77	46.00	17.23	QPK	200	H	345.4	PASS
6	278.708	51.24	-22.02	29.22	46.00	16.78	QPK	100	H	25.3	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 17:58:13



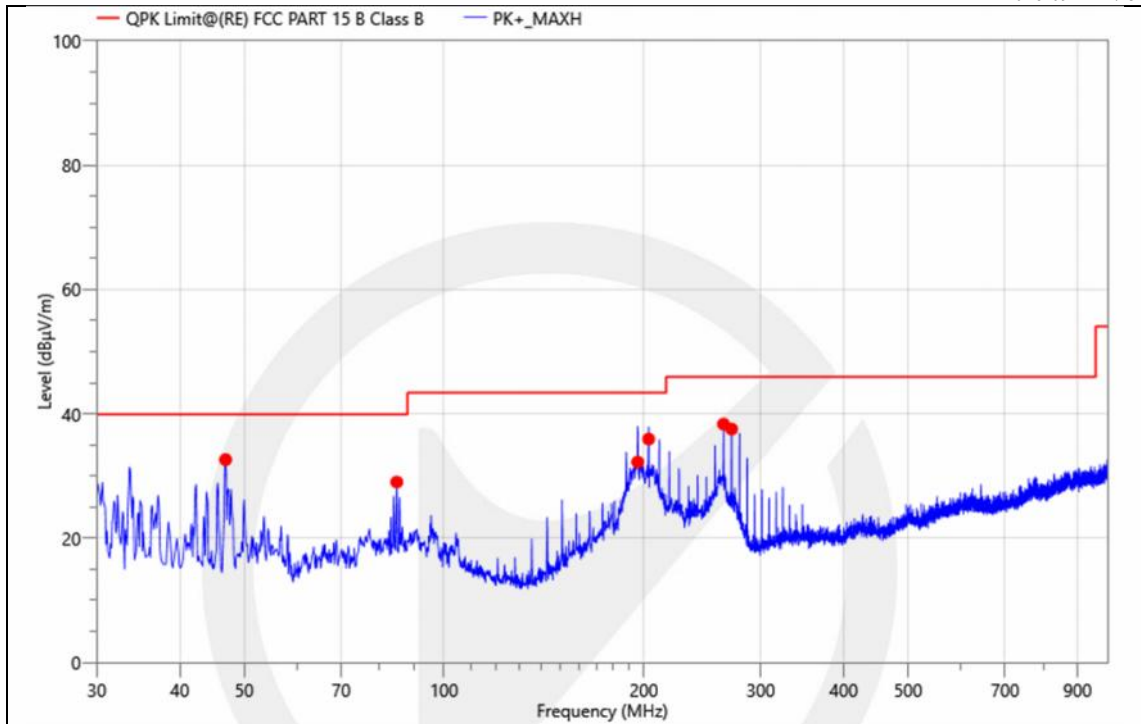
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	33.589	53.99	-24.5	29.49	40.00	10.51	QPK	100	V	97.8	PASS
2	46.878	54.90	-23.7	31.20	40.00	8.80	QPK	100	V	196.0	PASS
3	195.783	60.74	-24.67	36.07	43.50	7.43	QPK	100.0	V	101.9	PASS
4	203.307	61.43	-24.12	37.31	43.50	6.19	QPK	100.0	V	101.9	PASS
5	210.885	56.36	-23.94	32.42	43.50	11.08	QPK	100.0	V	101.9	PASS
6	218.374	58.63	-23.69	34.94	46.00	11.06	QPK	100	V	121.0	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 17:52:26



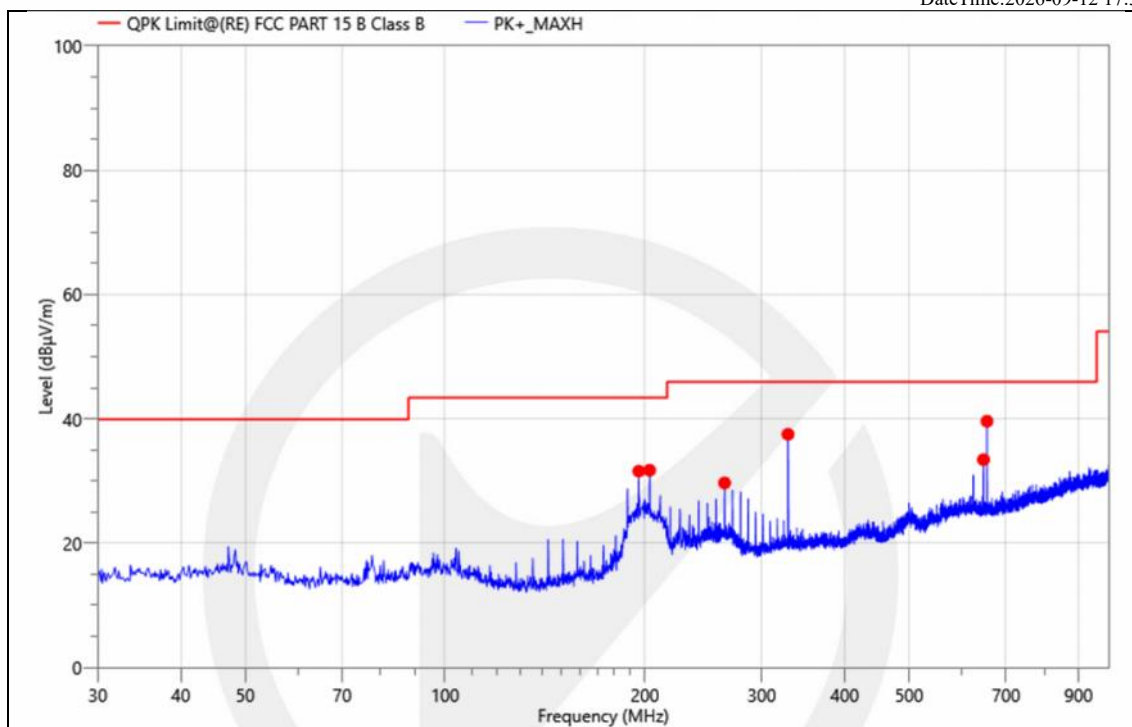
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	46.878	56.34	-23.7	32.64	40.00	7.36	QPK	100	V	144.5	PASS
2	84.902	55.00	-25.97	29.03	40.00	10.97	QPK	100	V	255.8	PASS
3	195.800	56.93	-24.67	32.26	43.50	11.24	QPK	100.0	V	51.6	PASS
4	203.345	60.07	-24.12	35.95	43.50	7.55	QPK	100.0	V	111.1	PASS
5	263.673	60.46	-22.11	38.35	46.00	7.65	QPK	100	V	104.6	PASS
6	271.142	59.63	-22.07	37.56	46.00	8.44	QPK	100	V	93.9	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 17:36:49



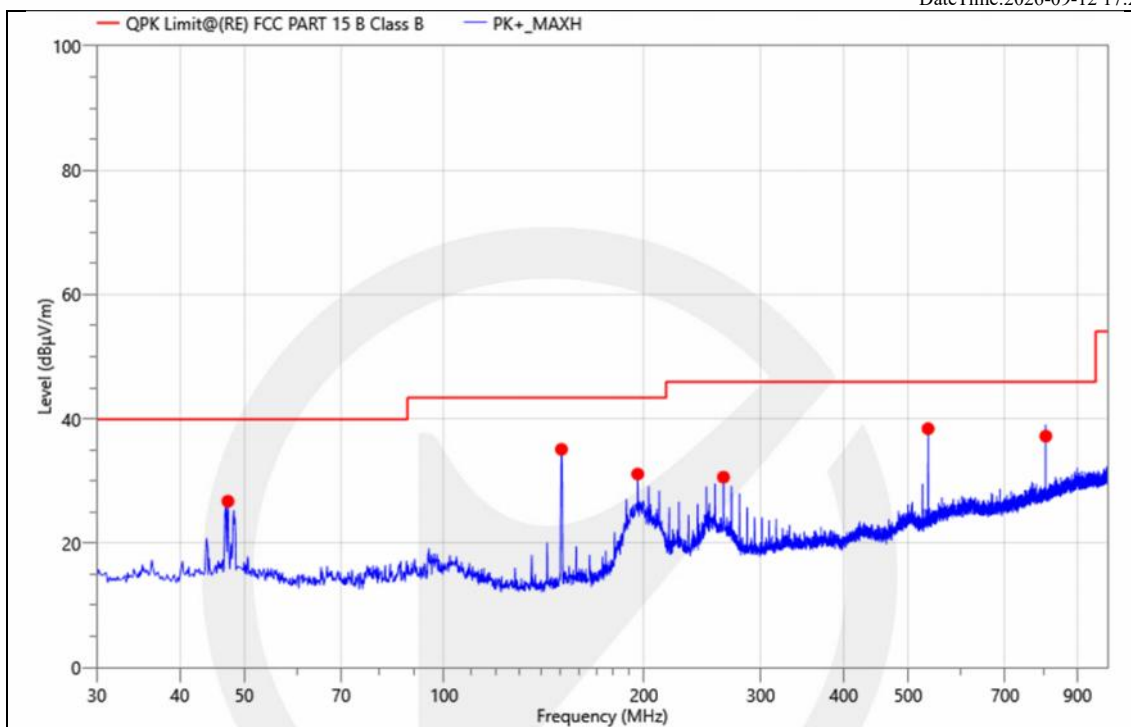
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	195.870	56.25	-24.66	31.59	43.50	11.91	QPK	200	H	44.3	PASS
2	203.339	55.86	-24.12	31.74	43.50	11.76	QPK	200	H	41.4	PASS
3	263.673	51.81	-22.11	29.70	46.00	16.30	QPK	200	H	0.0	PASS
4	328.566	58.19	-20.67	37.52	46.00	8.48	QPK	100	H	88.3	PASS
5	647.308	48.04	-14.6	33.44	46.00	12.56	QPK	100	H	111.5	PASS
6	655.262	54.27	-14.64	39.63	46.00	6.37	QPK	100	H	88.3	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 17:29:43



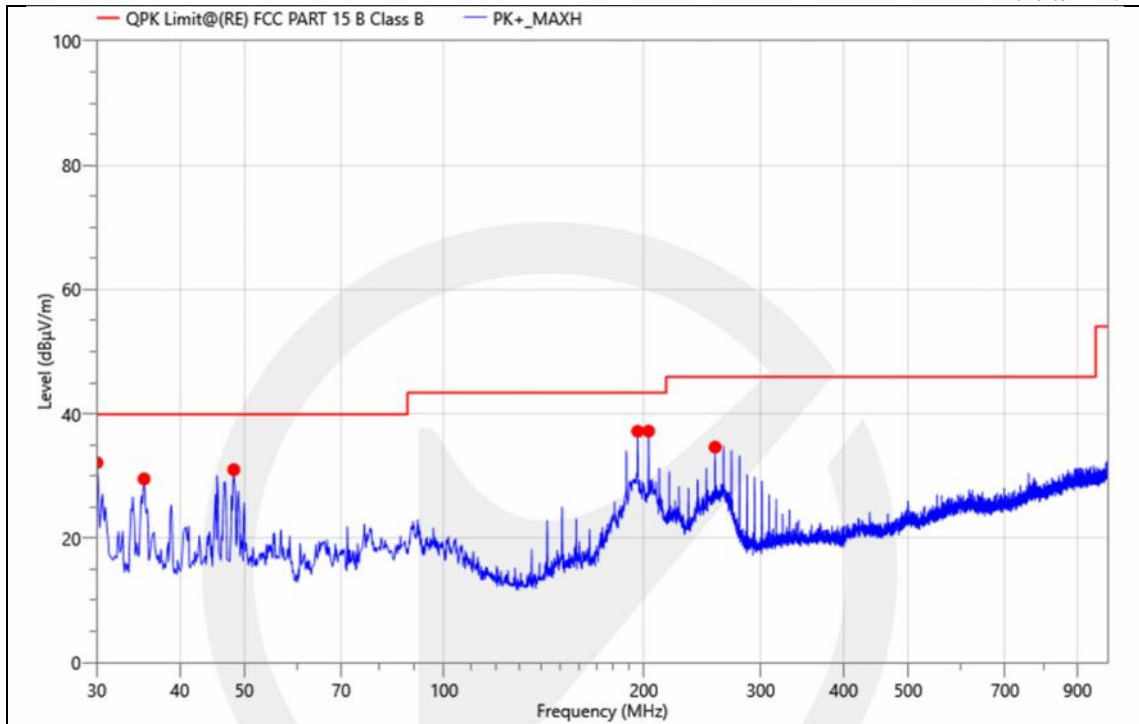
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	47.266	50.45	-23.71	26.74	40.00	13.26	QPK	100	H	146.0	PASS
2	150.280	62.03	-26.93	35.10	43.50	8.40	QPK	200	H	189.5	PASS
3	195.773	55.80	-24.67	31.13	43.50	12.37	QPK	100	H	159.1	PASS
4	263.576	52.73	-22.11	30.62	46.00	15.38	QPK	100	H	39.4	PASS
5	535.952	54.67	-16.25	38.42	46.00	7.58	QPK	200	H	189.5	PASS
6	806.291	50.14	-12.93	37.21	46.00	8.79	QPK	200	H	311.6	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 17:25:54



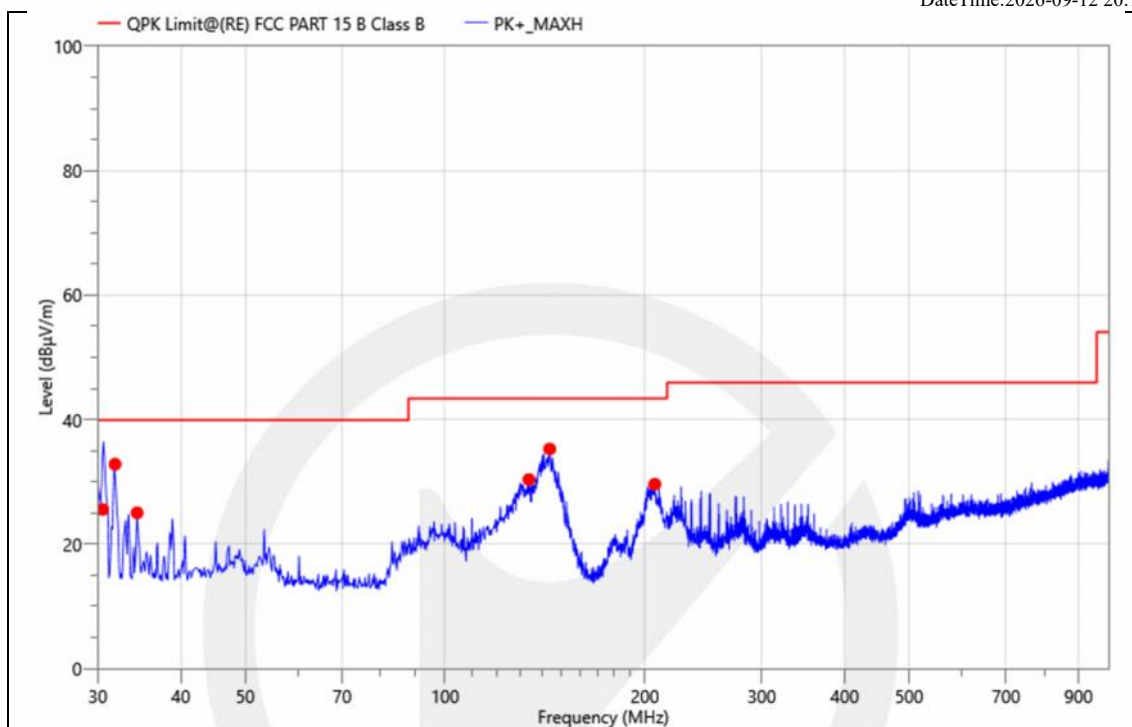
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	30.000	57.12	-24.98	32.14	40.00	7.86	QPK	100	V	229.0	PASS
2	35.335	53.88	-24.33	29.55	40.00	10.45	QPK	100	V	302.2	PASS
3	48.236	54.75	-23.73	31.02	40.00	8.98	QPK	100	V	177.2	PASS
4	195.773	61.87	-24.67	37.20	43.50	6.30	QPK	100	V	163.5	PASS
5	203.339	61.34	-24.12	37.22	43.50	6.28	QPK	100	V	117.0	PASS
6	256.107	56.84	-22.19	34.65	46.00	11.35	QPK	100	V	90.3	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 20:13:15



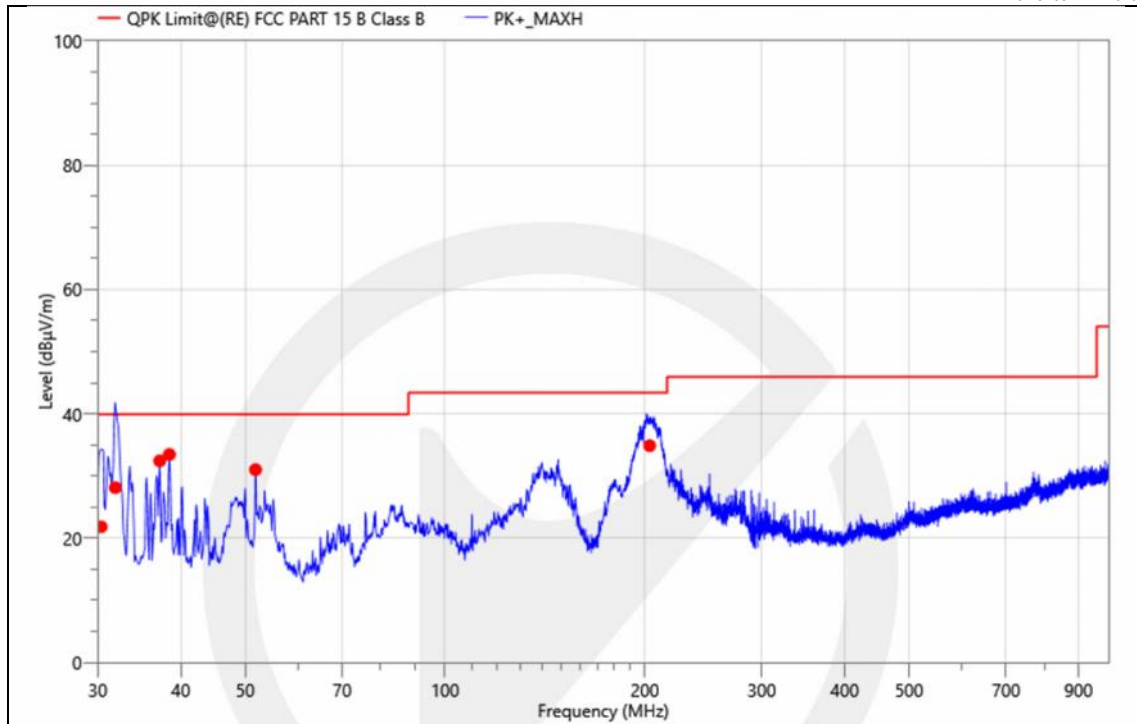
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	30.497	50.47	-24.91	25.56	40.00	14.44	QPK	200.0	H	293.2	PASS
2	31.843	57.56	-24.73	32.83	40.00	7.17	QPK	200	H	303.9	PASS
3	34.365	49.42	-24.39	25.03	40.00	14.97	QPK	200	H	270.0	PASS
4	133.790	57.72	-27.35	30.37	43.50	13.13	QPK	200	H	171.7	PASS
5	143.781	62.54	-27.25	35.29	43.50	8.21	QPK	200	H	149.1	PASS
6	207.025	53.66	-24.04	29.62	43.50	13.88	QPK	100	H	153.2	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 20:07:08



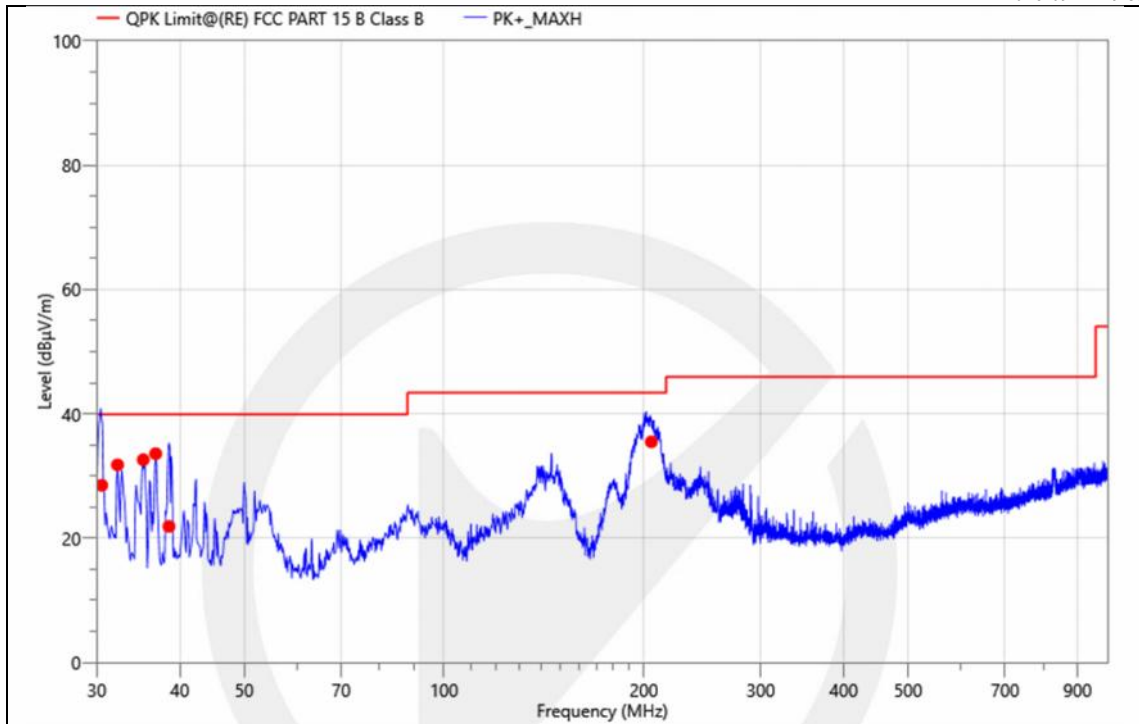
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	30.343	46.77	-24.93	21.84	40.00	18.16	QPK	100.0	V	129.2	PASS
2	31.871	52.85	-24.73	28.12	40.00	11.88	QPK	100.0	V	22.1	PASS
3	37.178	56.93	-24.49	32.44	40.00	7.56	QPK	100	V	0	PASS
4	38.439	58.07	-24.6	33.47	40.00	6.53	QPK	100	V	245.3	PASS
5	51.825	55.14	-24.12	31.02	40.00	8.98	QPK	100	V	37.5	PASS
6	203.355	59.00	-24.12	34.88	43.50	8.62	QPK	100.0	V	170.3	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 19:59:26



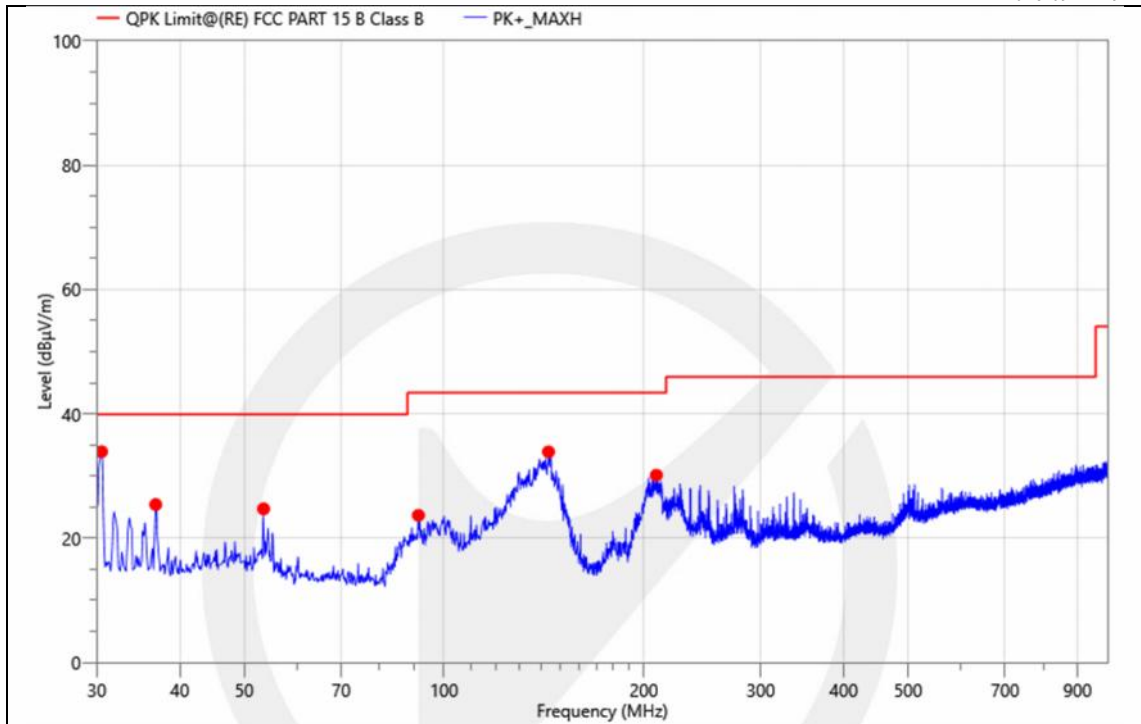
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	30.496	53.42	-24.91	28.51	40.00	11.49	QPK	100.0	V	224.1	PASS
2	32.231	56.47	-24.68	31.79	40.00	8.21	QPK	100	V	231.8	PASS
3	35.238	56.95	-24.33	32.62	40.00	7.38	QPK	100	V	224.1	PASS
4	36.790	58.05	-24.46	33.59	40.00	6.41	QPK	100	V	14.0	PASS
5	38.528	46.50	-24.61	21.89	40.00	18.11	QPK	100.0	V	351.5	PASS
6	205.269	59.58	-24.08	35.50	43.50	8.00	QPK	100.0	V	156.8	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 19:41:52



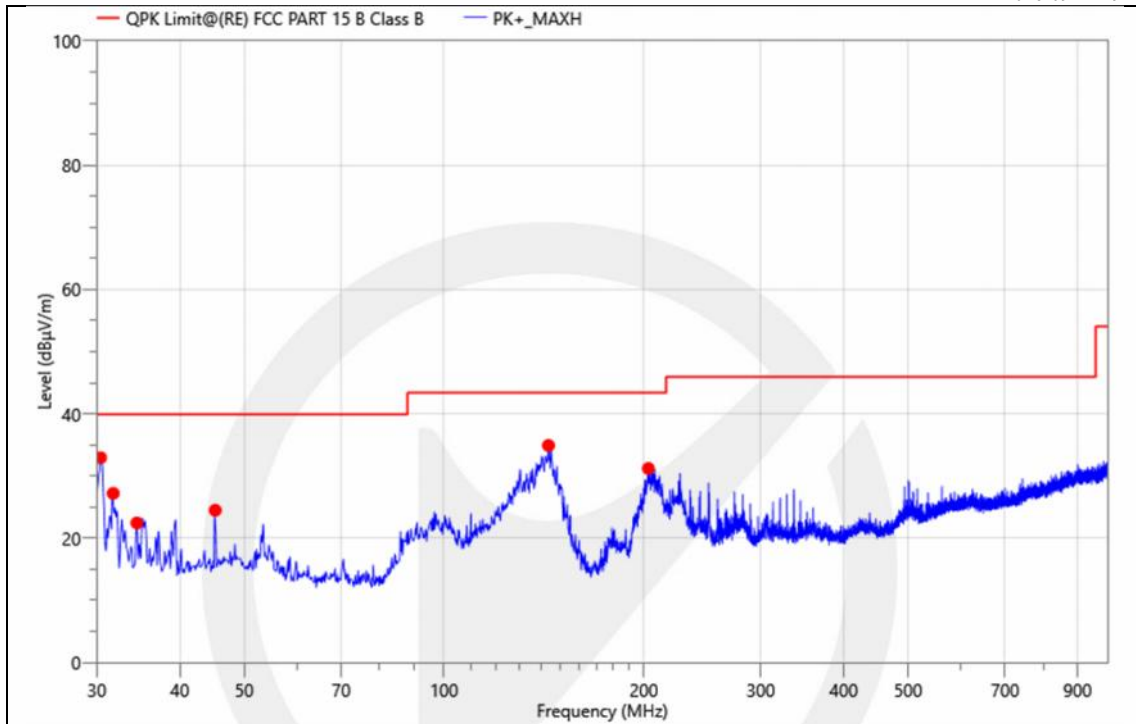
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	30.485	58.83	-24.91	33.92	40.00	6.08	QPK	100	H	256.0	PASS
2	36.790	49.87	-24.46	25.41	40.00	14.59	QPK	200	H	251.6	PASS
3	53.474	49.15	-24.43	24.72	40.00	15.28	QPK	200	H	311.2	PASS
4	91.498	48.78	-25.1	23.68	43.50	19.82	QPK	200	H	346.3	PASS
5	143.684	61.15	-27.26	33.89	43.50	9.61	QPK	200	H	19.5	PASS
6	208.868	54.14	-24	30.14	43.50	13.36	QPK	200	H	124.2	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 19:24:54



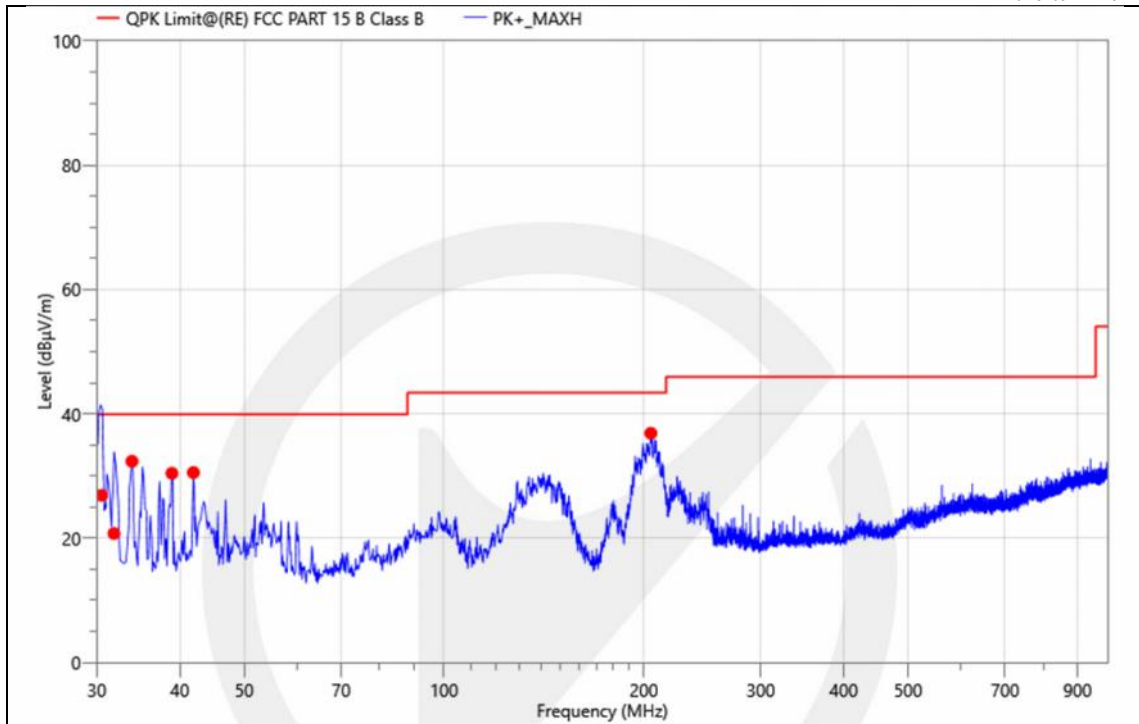
Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	30.388	57.89	-24.93	32.96	40.00	7.04	QPK	100	H	248.6	PASS
2	31.746	51.95	-24.74	27.21	40.00	12.79	QPK	200	H	241.2	PASS
3	34.462	46.83	-24.38	22.45	40.00	17.55	QPK	200	H	313.8	PASS
4	45.229	48.15	-23.66	24.49	40.00	15.51	QPK	200	H	279.3	PASS
5	143.684	62.18	-27.26	34.92	43.50	8.58	QPK	200	H	31.7	PASS
6	203.145	55.34	-24.13	31.21	43.50	12.29	QPK	200	H	148.9	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co., Ltd
Sample No :	ENB2608210031W003-1-1	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Zhang xaun
Temp :	25°C	Humi :	66%

DateTime:2026-09-12 19:20:47



Final_Result

(Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	30.481	51.82	-24.92	26.90	40.00	13.10	QPK	200.0	V	90.5	PASS
2	31.832	45.48	-24.73	20.75	40.00	19.25	QPK	200.0	V	183.4	PASS
3	33.880	56.83	-24.46	32.37	40.00	7.63	QPK	200	V	213.2	PASS
4	38.924	55.08	-24.64	30.44	40.00	9.56	QPK	200	V	337.6	PASS
5	41.931	54.87	-24.31	30.56	40.00	9.44	QPK	200	V	62.0	PASS
6	204.891	60.97	-24.09	36.88	43.50	6.62	QPK	200	V	156.6	PASS

8.7 CONDUCTED EMISSION TEST

8.7.1 Applicable Standard

According to FCC Part 15.207(a)

8.7.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

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

8.7.3 Test Configuration

Test according to clause 6.3conducted emission test setup

8.7.4 Test Procedure

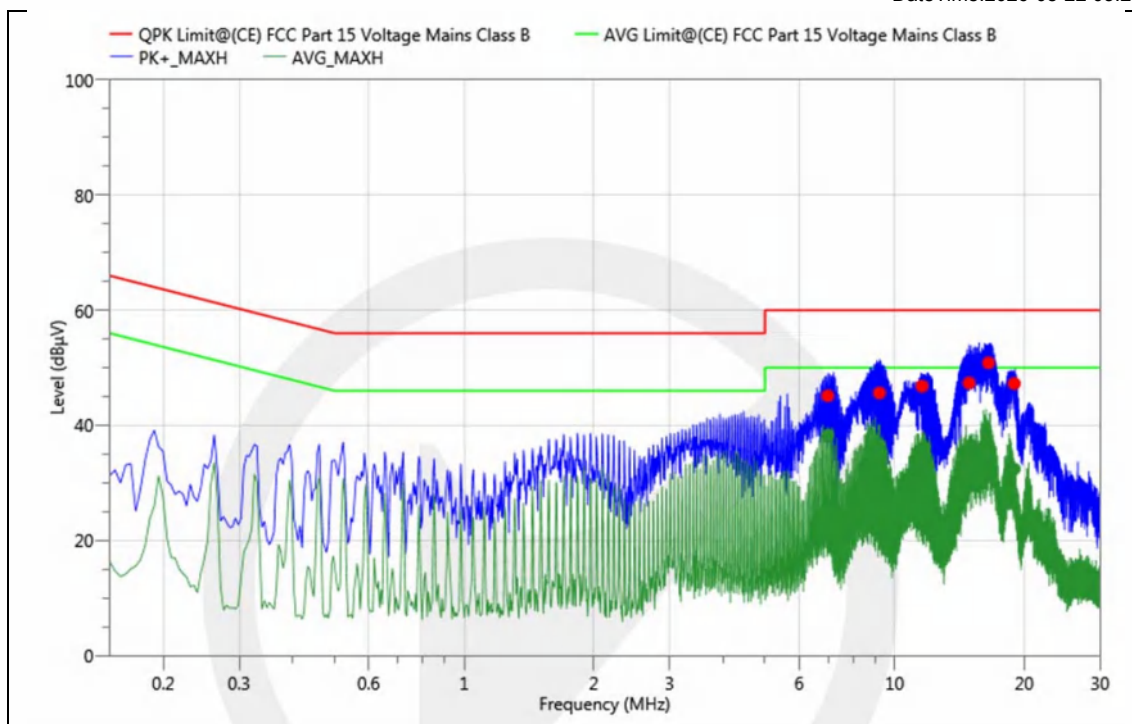
The EUT was placed on a table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Repeat above procedures until all frequency measured were complete.

8.7.5 Test Results

Pass

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2412
Voltage :	AC 120V/60Hz	Engineer :	Meng Kai
Temp :	22°C	Humi :	67%

DateTime:2026-08-22 03:27:02

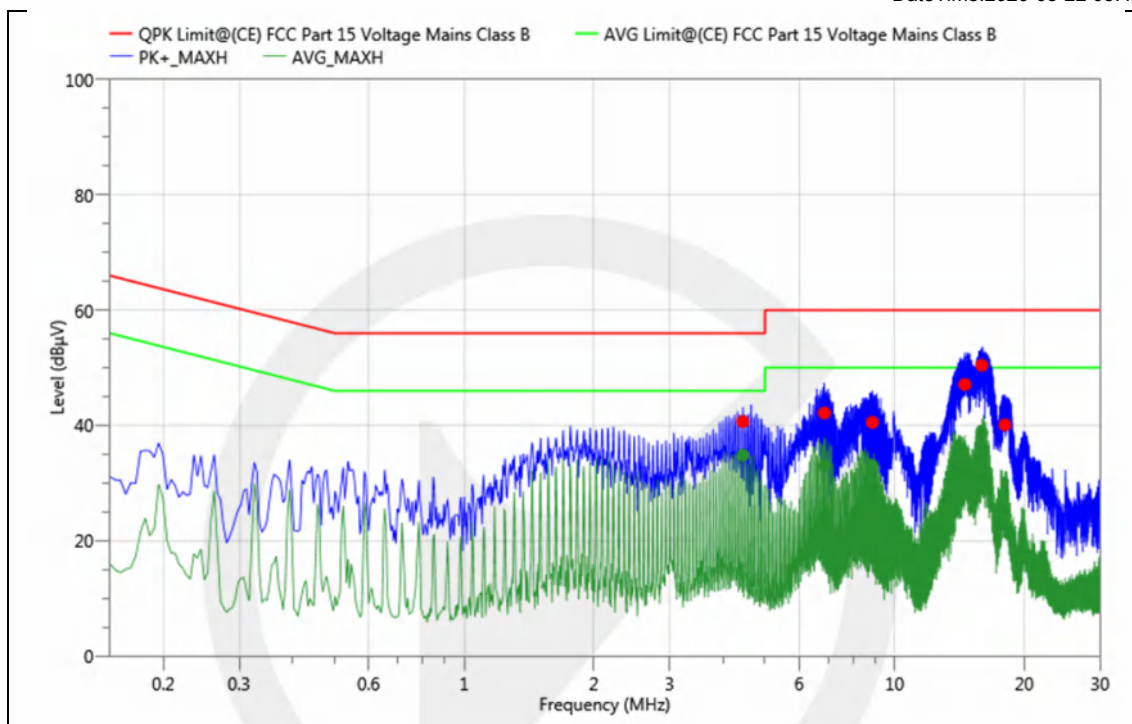


Final Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	6.995	34.78	10.35	45.13	60.00	14.87	QPK	N	GND	PASS
2	6.995	27.93	10.35	38.28	50.00	11.72	AVG	N	GND	PASS
3	9.216	35.16	10.45	45.61	60.00	14.39	QPK	N	GND	PASS
4	9.216	26.23	10.45	36.68	50.00	13.32	AVG	N	GND	PASS
5	11.581	36.24	10.56	46.80	60.00	13.20	QPK	N	GND	PASS
6	11.581	19.09	10.56	29.65	50.00	20.35	AVG	N	GND	PASS
7	14.898	36.68	10.68	47.36	60.00	12.64	QPK	N	GND	PASS
8	14.898	25.55	10.68	36.23	50.00	13.77	AVG	N	GND	PASS
9	16.524	40.19	10.67	50.86	60.00	9.14	QPK	N	GND	PASS
10	16.524	25.95	10.67	36.62	50.00	13.38	AVG	N	GND	PASS
11	18.959	36.61	10.65	47.26	60.00	12.74	QPK	N	GND	PASS
12	18.959	21.76	10.65	32.41	50.00	17.59	AVG	N	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2412
Voltage :	AC 120V/60Hz	Engineer :	Meng Kai
Temp :	22°C	Humi :	67%

DateTime:2026-08-22 03:42:08

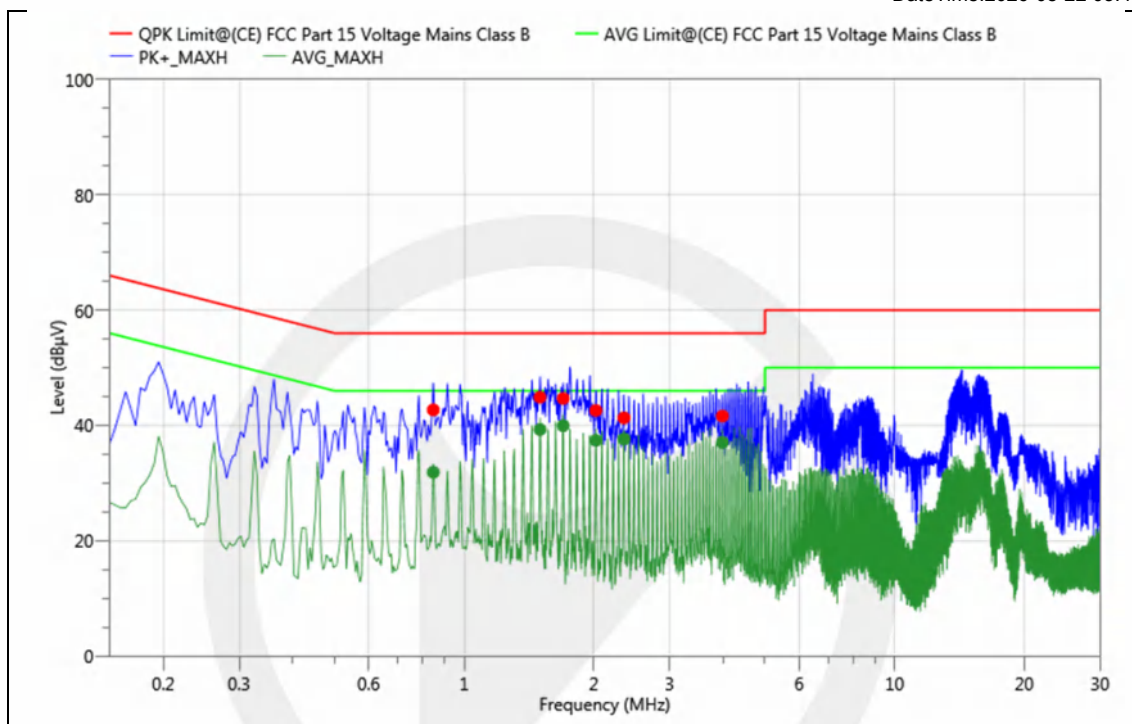


Final Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	4.439	30.54	10.12	40.66	56.00	15.34	QPK	L1	GND	PASS
2	4.439	24.72	10.12	34.84	46.00	11.16	AVG	L1	GND	PASS
3	6.866	31.82	10.33	42.15	60.00	17.85	QPK	L1	GND	PASS
4	6.866	22.64	10.33	32.97	50.00	17.03	AVG	L1	GND	PASS
5	8.876	30.08	10.44	40.52	60.00	19.48	QPK	L1	GND	PASS
6	8.876	22.52	10.44	32.96	50.00	17.04	AVG	L1	GND	PASS
7	14.545	36.46	10.63	47.09	60.00	12.91	QPK	L1	GND	PASS
8	14.545	22.70	10.63	33.33	50.00	16.67	AVG	L1	GND	PASS
9	15.928	39.79	10.64	50.43	60.00	9.57	QPK	L1	GND	PASS
10	15.928	28.13	10.64	38.77	50.00	11.23	AVG	L1	GND	PASS
11	18.023	29.44	10.65	40.09	60.00	19.91	QPK	L1	GND	PASS
12	18.023	13.72	10.65	24.37	50.00	25.63	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2437
Voltage :	AC 120V/60Hz	Engineer :	Meng Kai
Temp :	22°C	Humi :	67%

DateTime:2026-08-22 03:49:45

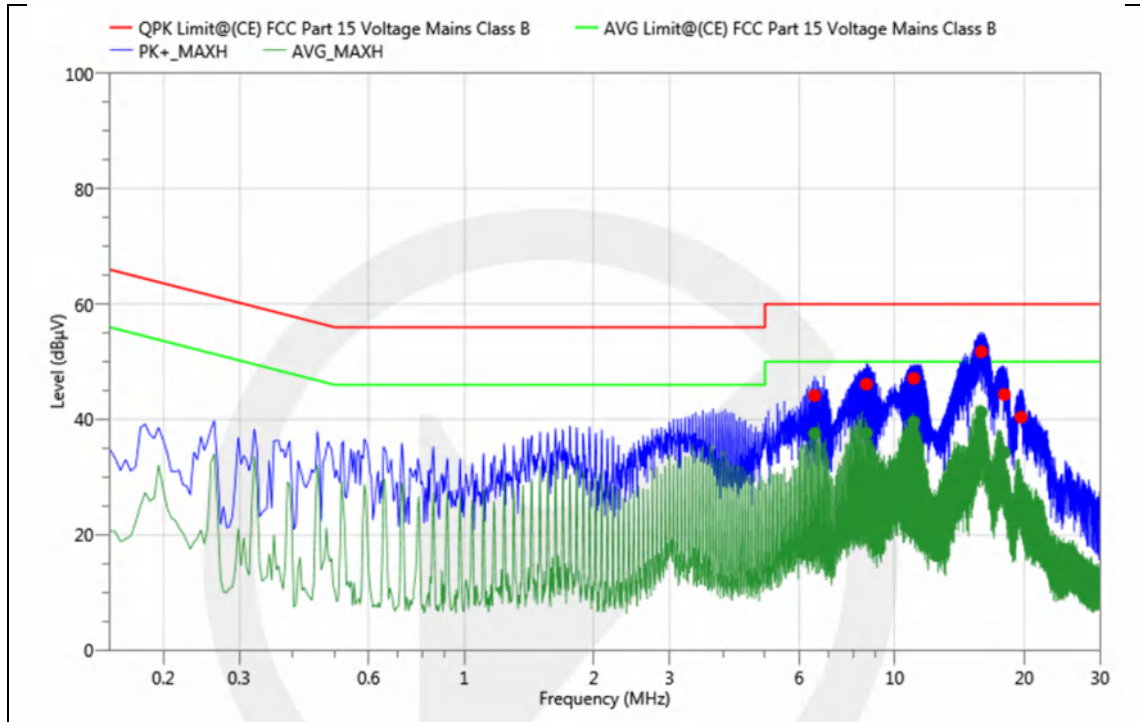


Final Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.848	32.61	10.07	42.68	56.00	13.32	QPK	L1	GND	PASS
2	0.848	21.79	10.07	31.86	46.00	14.14	AVG	L1	GND	PASS
3	1.500	34.85	10.04	44.89	56.00	11.11	QPK	L1	GND	PASS
4	1.500	29.24	10.04	39.28	46.00	6.72	AVG	L1	GND	PASS
5	1.698	34.64	10.03	44.67	56.00	11.33	QPK	L1	GND	PASS
6	1.698	29.91	10.03	39.94	46.00	6.06	AVG	L1	GND	PASS
7	2.022	32.58	10.01	42.59	56.00	13.41	QPK	L1	GND	PASS
8	2.022	27.40	10.01	37.41	46.00	8.59	AVG	L1	GND	PASS
9	2.351	31.26	10.03	41.29	56.00	14.71	QPK	L1	GND	PASS
10	2.351	27.62	10.03	37.65	46.00	8.35	AVG	L1	GND	PASS
11	3.980	31.51	10.11	41.62	56.00	14.38	QPK	L1	GND	PASS
12	3.980	26.92	10.11	37.03	46.00	8.97	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2437
Voltage :	AC 120V/60Hz	Engineer :	Meng Kai
Temp :	22°C	Humi :	67%

DateTime:2026-08-22 03:57:33

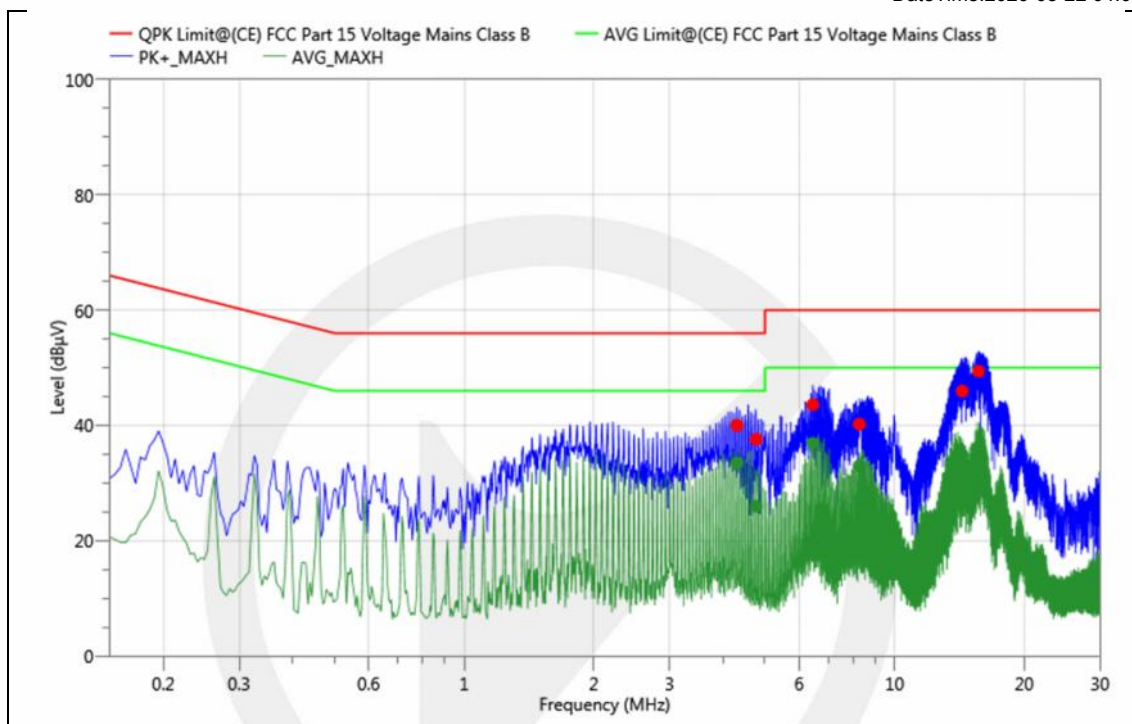


Final Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	6.516	33.83	10.3	44.13	60.00	15.87	QPK	N	GND	PASS
2	6.516	27.25	10.3	37.55	50.00	12.45	AVG	N	GND	PASS
3	8.598	35.70	10.42	46.12	60.00	13.88	QPK	N	GND	PASS
4	8.598	27.18	10.42	37.60	50.00	12.40	AVG	N	GND	PASS
5	11.079	36.57	10.55	47.12	60.00	12.88	QPK	N	GND	PASS
6	11.079	29.01	10.55	39.56	50.00	10.44	AVG	N	GND	PASS
7	15.902	41.07	10.67	51.74	60.00	8.26	QPK	N	GND	PASS
8	15.902	30.55	10.67	41.22	50.00	8.78	AVG	N	GND	PASS
9	17.984	33.66	10.66	44.32	60.00	15.68	QPK	N	GND	PASS
10	17.984	23.56	10.66	34.22	50.00	15.78	AVG	N	GND	PASS
11	19.672	29.73	10.65	40.38	60.00	19.62	QPK	N	GND	PASS
12	19.672	17.44	10.65	28.09	50.00	21.91	AVG	N	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2462
Voltage :	AC 120V/60Hz	Engineer :	Meng Kai
Temp :	22°C	Humi :	67%

DateTime:2026-08-22 04:06:45

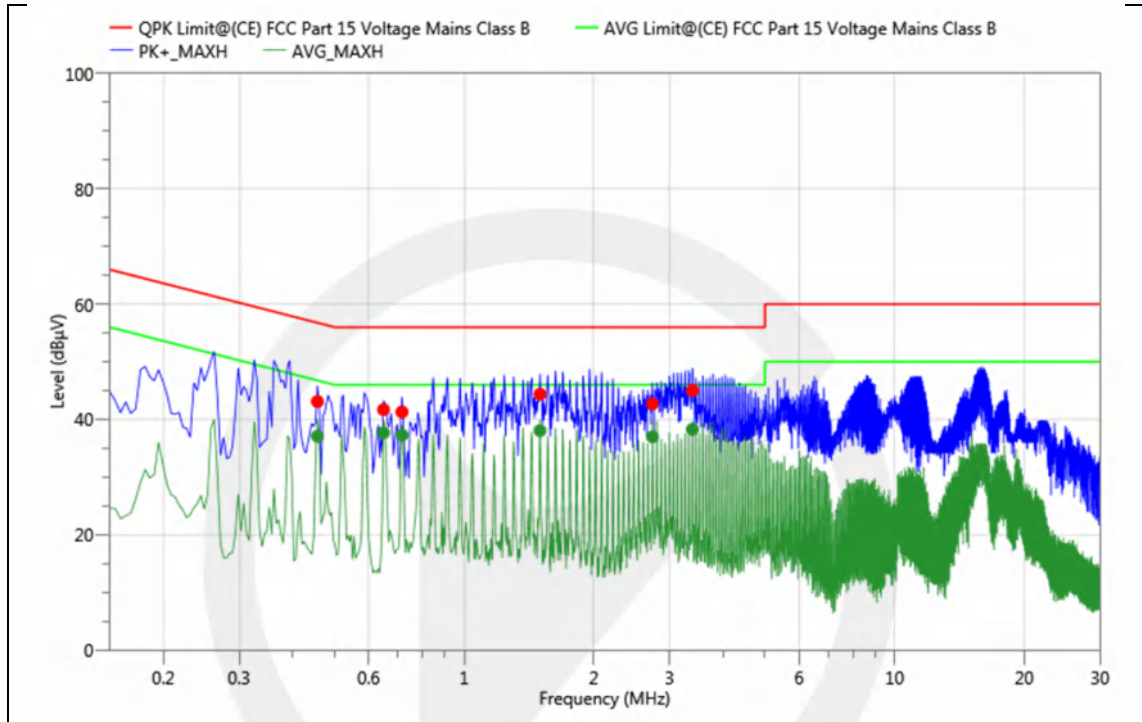


Final Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	4.300	29.89	10.12	40.01	56.00	15.99	QPK	L1	GND	PASS
2	4.300	23.36	10.12	33.48	46.00	12.52	AVG	L1	GND	PASS
3	4.766	27.46	10.13	37.59	56.00	18.41	QPK	L1	GND	PASS
4	4.766	15.86	10.13	25.99	46.00	20.01	AVG	L1	GND	PASS
5	6.454	33.32	10.29	43.61	60.00	16.39	QPK	L1	GND	PASS
6	6.454	26.60	10.29	36.89	50.00	13.11	AVG	L1	GND	PASS
7	8.276	29.80	10.41	40.21	60.00	19.79	QPK	L1	GND	PASS
8	8.276	22.56	10.41	32.97	50.00	17.03	AVG	L1	GND	PASS
9	14.347	35.34	10.62	45.96	60.00	14.04	QPK	L1	GND	PASS
10	14.347	24.30	10.62	34.92	50.00	15.08	AVG	L1	GND	PASS
11	15.655	38.76	10.64	49.40	60.00	10.60	QPK	L1	GND	PASS
12	15.655	21.51	10.64	32.15	50.00	17.85	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF781C	Mode :	TX 2462
Voltage :	AC 120V/60Hz	Engineer :	Meng Kai
Temp :	22°C	Humi :	67%

DateTime:2026-08-22 04:14:33

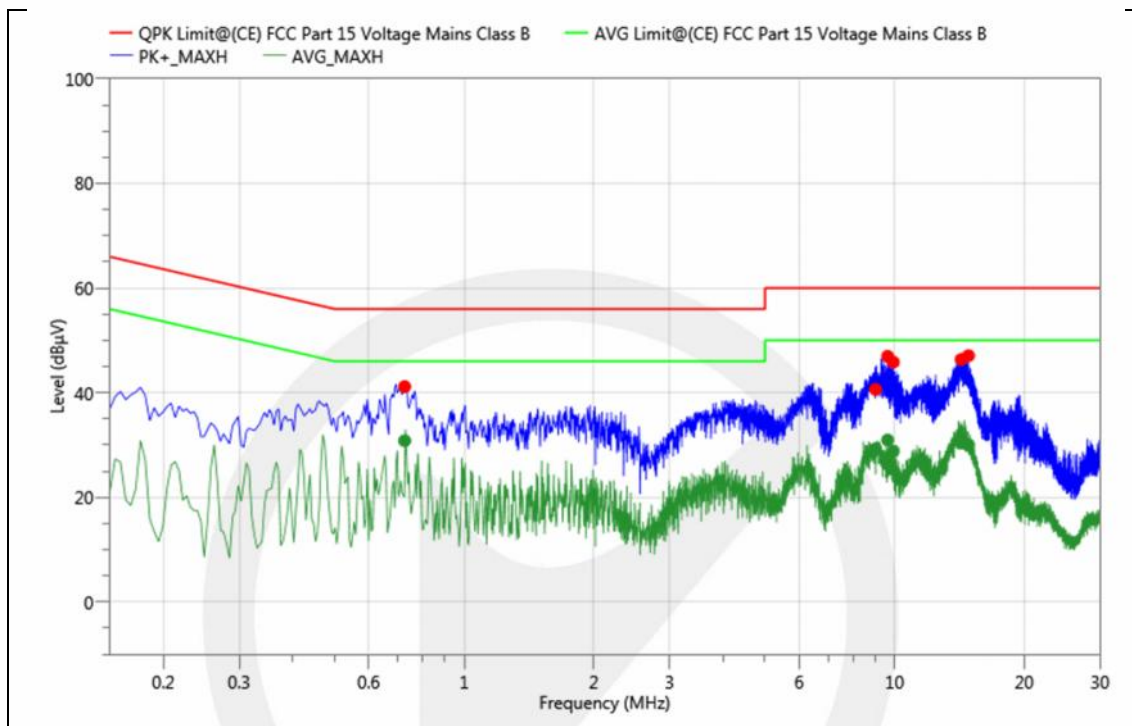


Final Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.456	32.96	10.14	43.10	56.77	13.67	QPK	N	GND	PASS
2	0.456	26.93	10.14	37.07	46.77	9.70	AVG	N	GND	PASS
3	0.650	31.58	10.11	41.69	56.00	14.31	QPK	N	GND	PASS
4	0.650	27.56	10.11	37.67	46.00	8.33	AVG	N	GND	PASS
5	0.717	31.18	10.1	41.28	56.00	14.72	QPK	N	GND	PASS
6	0.717	27.16	10.1	37.26	46.00	8.74	AVG	N	GND	PASS
7	1.500	34.31	10.07	44.38	56.00	11.62	QPK	N	GND	PASS
8	1.500	27.99	10.07	38.06	46.00	7.94	AVG	N	GND	PASS
9	2.738	32.65	10.04	42.69	56.00	13.31	QPK	N	GND	PASS
10	2.738	26.93	10.04	36.97	46.00	9.03	AVG	N	GND	PASS
11	3.390	34.98	10.05	45.03	56.00	10.97	QPK	N	GND	PASS
12	3.390	28.22	10.05	38.27	46.00	7.73	AVG	N	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No. :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp. :	22°C	Humi :	68%

DateTime:2026-09-13 00:34:01

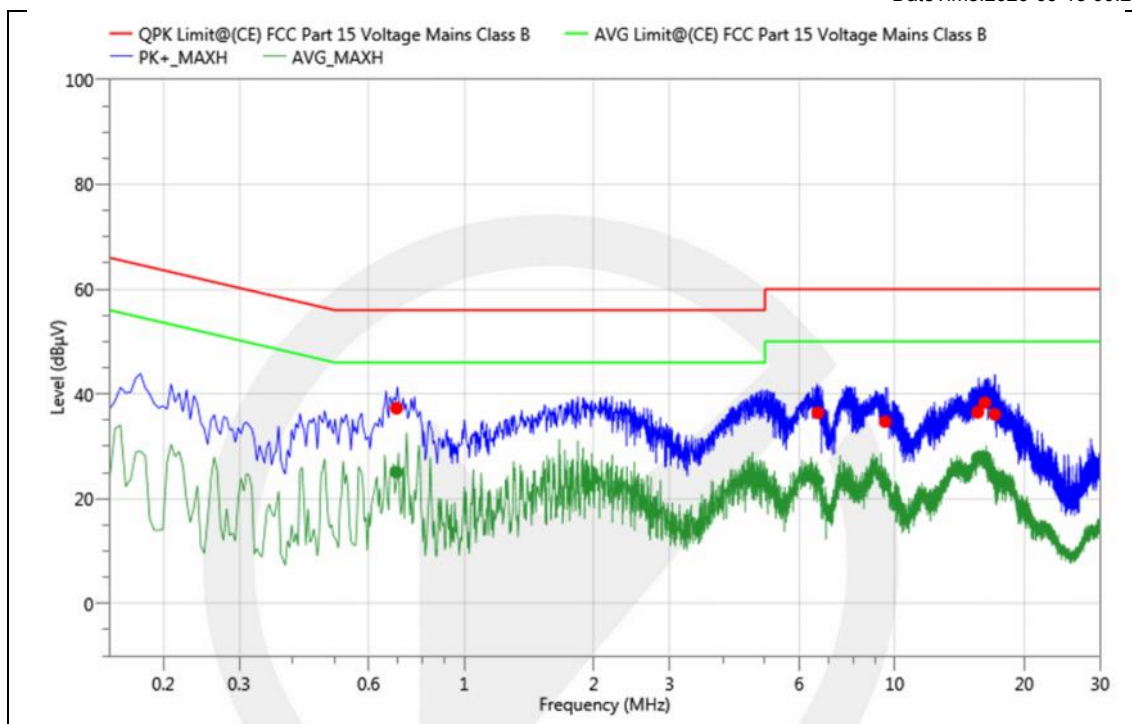


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.727	30.97	10.18	41.15	56.00	14.85	QPK	N	GND	PASS
2	0.727	20.64	10.18	30.82	46.00	15.18	AVG	N	GND	PASS
3	9.028	30.15	10.48	40.63	60.00	19.37	QPK	N	GND	PASS
4	9.028	18.78	10.48	29.26	50.00	20.74	AVG	N	GND	PASS
5	9.632	36.45	10.5	46.95	60.00	13.05	QPK	N	GND	PASS
6	9.632	20.45	10.5	30.95	50.00	19.05	AVG	N	GND	PASS
7	9.929	35.32	10.52	45.84	60.00	14.16	QPK	N	GND	PASS
8	9.929	18.32	10.52	28.84	50.00	21.16	AVG	N	GND	PASS
9	14.271	35.64	10.7	46.34	60.00	13.66	QPK	N	GND	PASS
10	14.271	19.64	10.7	30.34	50.00	19.66	AVG	N	GND	PASS
11	14.838	36.36	10.72	47.08	60.00	12.92	QPK	N	GND	PASS
12	14.838	19.36	10.72	30.08	50.00	19.92	AVG	N	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-13 00:29:33

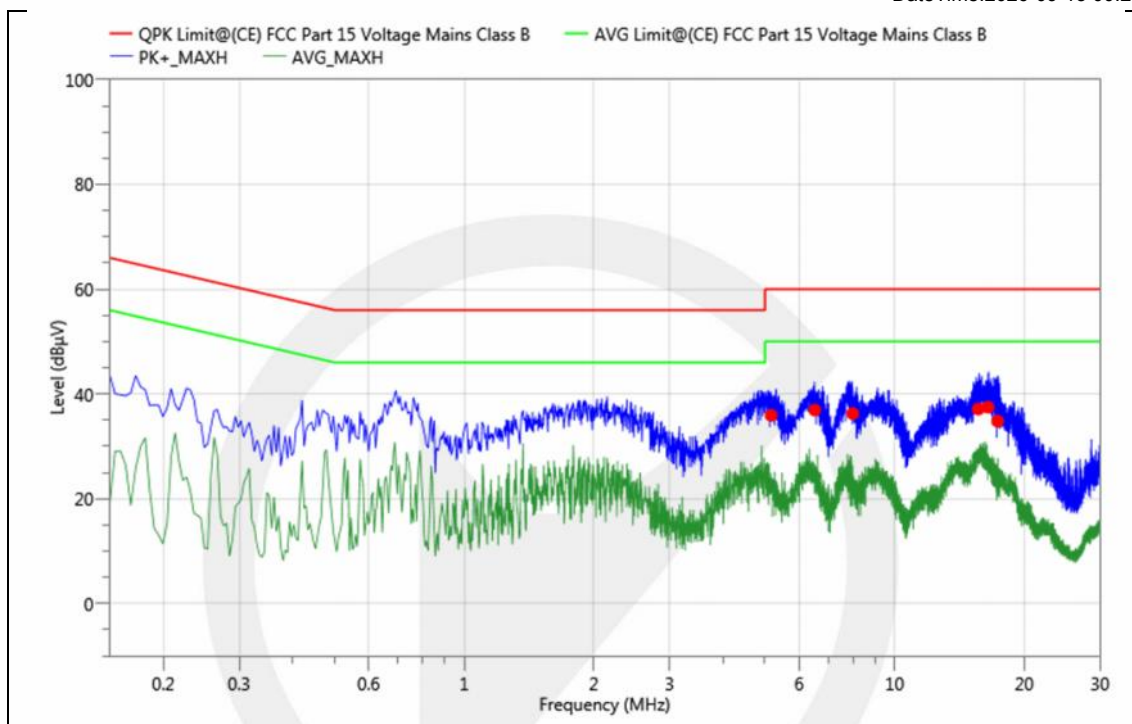


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.696	27.13	10.14	37.27	56.00	18.73	QPK	L1	GND	PASS
2	0.696	14.92	10.14	25.06	46.00	20.94	AVG	L1	GND	PASS
3	6.628	26.05	10.34	36.39	60.00	23.61	QPK	L1	GND	PASS
4	6.628	13.14	10.34	23.48	50.00	26.52	AVG	L1	GND	PASS
5	9.507	24.23	10.49	34.72	60.00	25.28	QPK	L1	GND	PASS
6	9.507	12.38	10.49	22.87	50.00	27.13	AVG	L1	GND	PASS
7	15.592	25.81	10.69	36.50	60.00	23.50	QPK	L1	GND	PASS
8	15.592	17.13	10.69	27.82	50.00	22.18	AVG	L1	GND	PASS
9	16.201	27.64	10.69	38.33	60.00	21.67	QPK	L1	GND	PASS
10	16.201	17.27	10.69	27.96	50.00	22.04	AVG	L1	GND	PASS
11	17.079	25.42	10.7	36.12	60.00	23.88	QPK	L1	GND	PASS
12	17.079	13.32	10.7	24.02	50.00	25.98	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-13 00:23:53

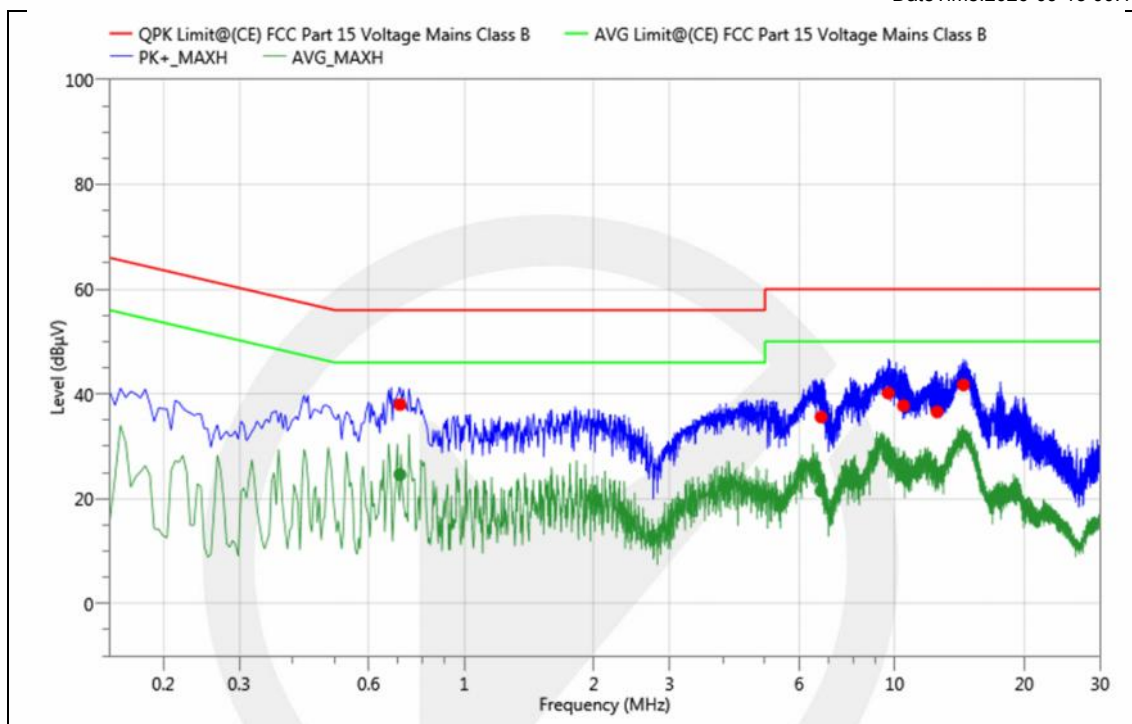


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	5.164	25.68	10.24	35.92	60.00	24.08	QPK	L1	GND	PASS
2	5.164	12.40	10.24	22.64	50.00	27.36	AVG	L1	GND	PASS
3	6.521	26.59	10.33	36.92	60.00	23.08	QPK	L1	GND	PASS
4	6.521	13.87	10.33	24.20	50.00	25.80	AVG	L1	GND	PASS
5	7.990	25.83	10.42	36.25	60.00	23.75	QPK	L1	GND	PASS
6	7.990	11.94	10.42	22.36	50.00	27.64	AVG	L1	GND	PASS
7	15.641	26.43	10.69	37.12	60.00	22.88	QPK	L1	GND	PASS
8	15.641	17.29	10.69	27.98	50.00	22.02	AVG	L1	GND	PASS
9	16.488	26.77	10.7	37.47	60.00	22.53	QPK	L1	GND	PASS
10	16.488	15.88	10.7	26.58	50.00	23.42	AVG	L1	GND	PASS
11	17.343	24.11	10.71	34.82	60.00	25.18	QPK	L1	GND	PASS
12	17.343	12.59	10.71	23.30	50.00	26.70	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-13 00:17:29

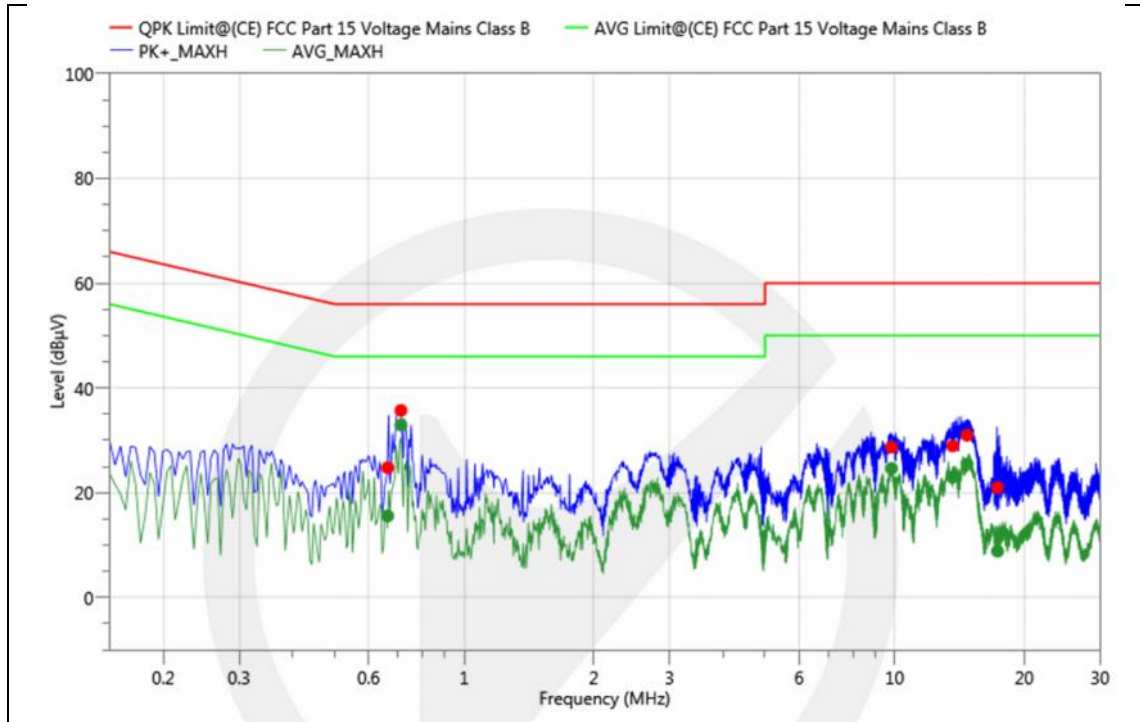


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.709	27.80	10.18	37.98	56.00	18.02	QPK	N	GND	PASS
2	0.709	14.42	10.18	24.60	46.00	21.40	AVG	N	GND	PASS
3	6.749	25.27	10.33	35.60	60.00	24.40	QPK	N	GND	PASS
4	6.749	11.15	10.33	21.48	50.00	28.52	AVG	N	GND	PASS
5	9.664	29.65	10.51	40.16	60.00	19.84	QPK	N	GND	PASS
6	9.664	17.44	10.51	27.95	50.00	22.05	AVG	N	GND	PASS
7	10.483	27.22	10.54	37.76	60.00	22.24	QPK	N	GND	PASS
8	10.483	13.88	10.54	24.42	50.00	25.58	AVG	N	GND	PASS
9	12.543	25.97	10.63	36.60	60.00	23.40	QPK	N	GND	PASS
10	12.543	14.13	10.63	24.76	50.00	25.24	AVG	N	GND	PASS
11	14.451	31.02	10.71	41.73	60.00	18.27	QPK	N	GND	PASS
12	14.451	21.19	10.71	31.90	50.00	18.10	AVG	N	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-13 00:12:51

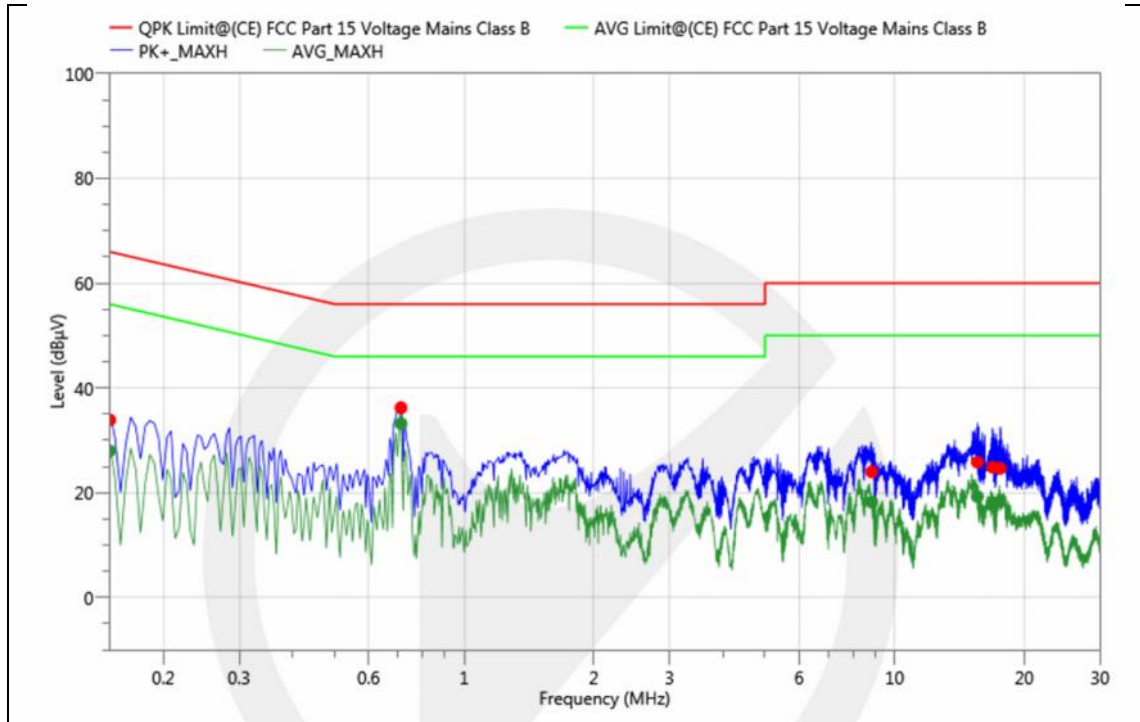


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.664	14.61	10.17	24.78	56.00	31.22	QPK	N	GND	PASS
2	0.664	5.41	10.17	15.58	46.00	30.42	AVG	N	GND	PASS
3	0.713	25.54	10.18	35.72	56.00	20.28	QPK	N	GND	PASS
4	0.713	22.75	10.18	32.93	46.00	13.07	AVG	N	GND	PASS
5	9.830	18.18	10.51	28.69	60.00	31.31	QPK	N	GND	PASS
6	9.830	14.13	10.51	24.64	50.00	25.36	AVG	N	GND	PASS
7	13.631	18.25	10.68	28.93	60.00	31.07	QPK	N	GND	PASS
8	13.631	12.29	10.68	22.97	50.00	27.03	AVG	N	GND	PASS
9	14.724	20.26	10.72	30.98	60.00	29.02	QPK	N	GND	PASS
10	14.724	14.78	10.72	25.50	50.00	24.50	AVG	N	GND	PASS
11	17.339	10.25	10.74	20.99	60.00	39.01	QPK	N	GND	PASS
12	17.339	-1.91	10.74	8.83	50.00	41.17	AVG	N	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF655C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-12 23:57:19

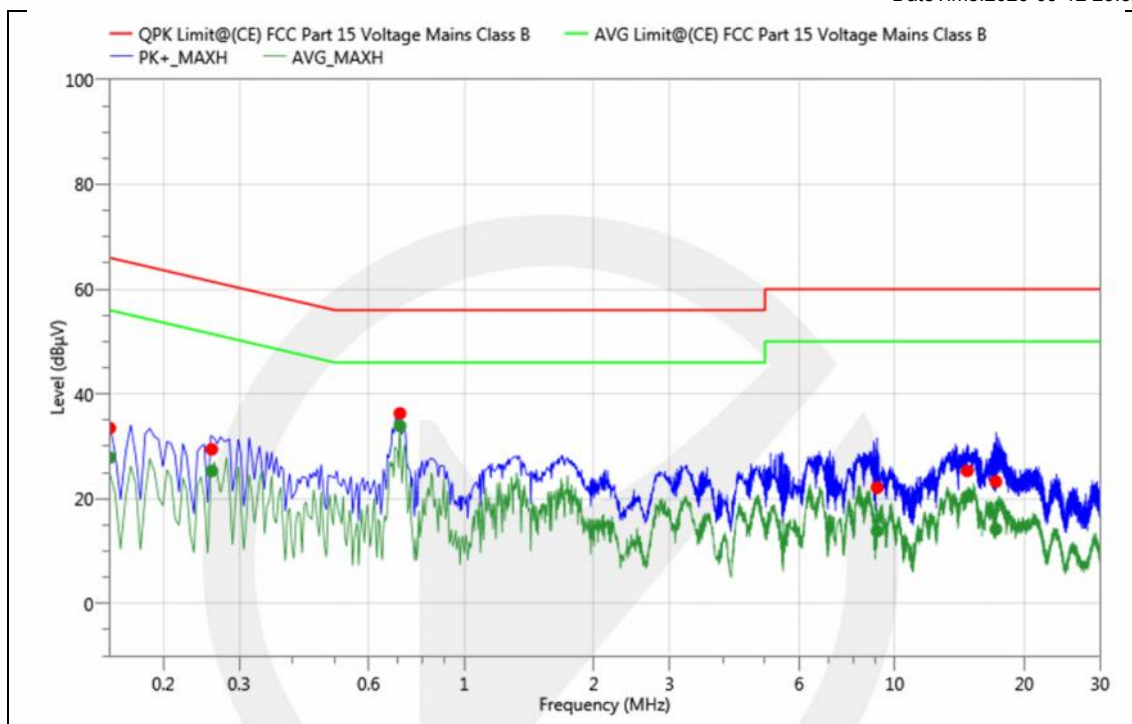


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.150	23.75	10.14	33.89	66.00	32.11	QPK	L1	GND	PASS
2	0.150	17.83	10.14	27.97	56.00	28.03	AVG	L1	GND	PASS
3	0.713	26.07	10.14	36.21	56.00	19.79	QPK	L1	GND	PASS
4	0.713	23.06	10.14	33.20	46.00	12.80	AVG	L1	GND	PASS
5	8.849	13.51	10.47	23.98	60.00	36.02	QPK	L1	GND	PASS
6	8.849	7.72	10.47	18.19	50.00	31.81	AVG	L1	GND	PASS
7	15.565	15.15	10.69	25.84	60.00	34.16	QPK	L1	GND	PASS
8	15.565	8.58	10.69	19.27	50.00	30.73	AVG	L1	GND	PASS
9	16.891	14.16	10.7	24.86	60.00	35.14	QPK	L1	GND	PASS
10	16.891	7.43	10.7	18.13	50.00	31.87	AVG	L1	GND	PASS
11	17.599	13.95	10.71	24.66	60.00	35.34	QPK	L1	GND	PASS
12	17.599	7.58	10.71	18.29	50.00	31.71	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-12 23:52:21

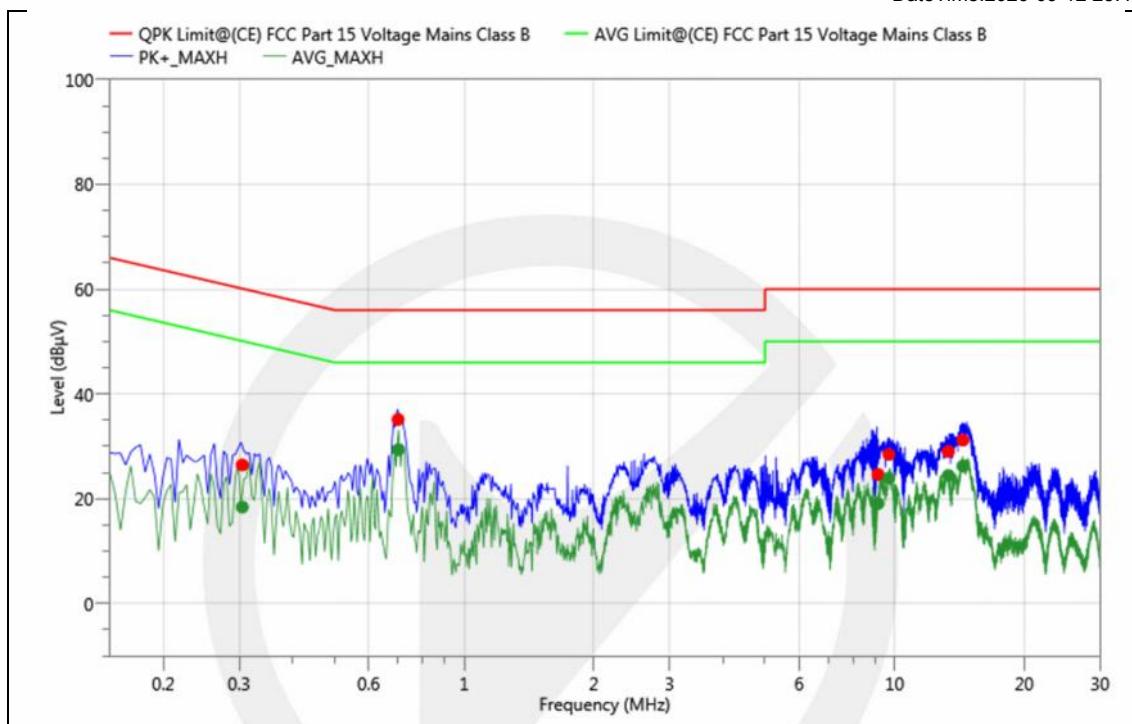


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.150	23.34	10.14	33.48	66.00	32.52	QPK	L1	GND	PASS
2	0.150	17.72	10.14	27.86	56.00	28.14	AVG	L1	GND	PASS
3	0.259	19.28	10.15	29.43	61.46	32.03	QPK	L1	GND	PASS
4	0.259	15.15	10.15	25.30	51.46	26.16	AVG	L1	GND	PASS
5	0.709	26.14	10.14	36.28	56.00	19.72	QPK	L1	GND	PASS
6	0.709	23.75	10.14	33.89	46.00	12.11	AVG	L1	GND	PASS
7	9.109	11.65	10.48	22.13	60.00	37.87	QPK	L1	GND	PASS
8	9.109	3.37	10.48	13.85	50.00	36.15	AVG	L1	GND	PASS
9	14.742	14.64	10.67	25.31	60.00	34.69	QPK	L1	GND	PASS
10	14.742	9.75	10.67	20.42	50.00	29.58	AVG	L1	GND	PASS
11	17.186	12.56	10.7	23.26	60.00	36.74	QPK	L1	GND	PASS
12	17.186	3.49	10.7	14.19	50.00	35.81	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2437
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-12 23:47:46

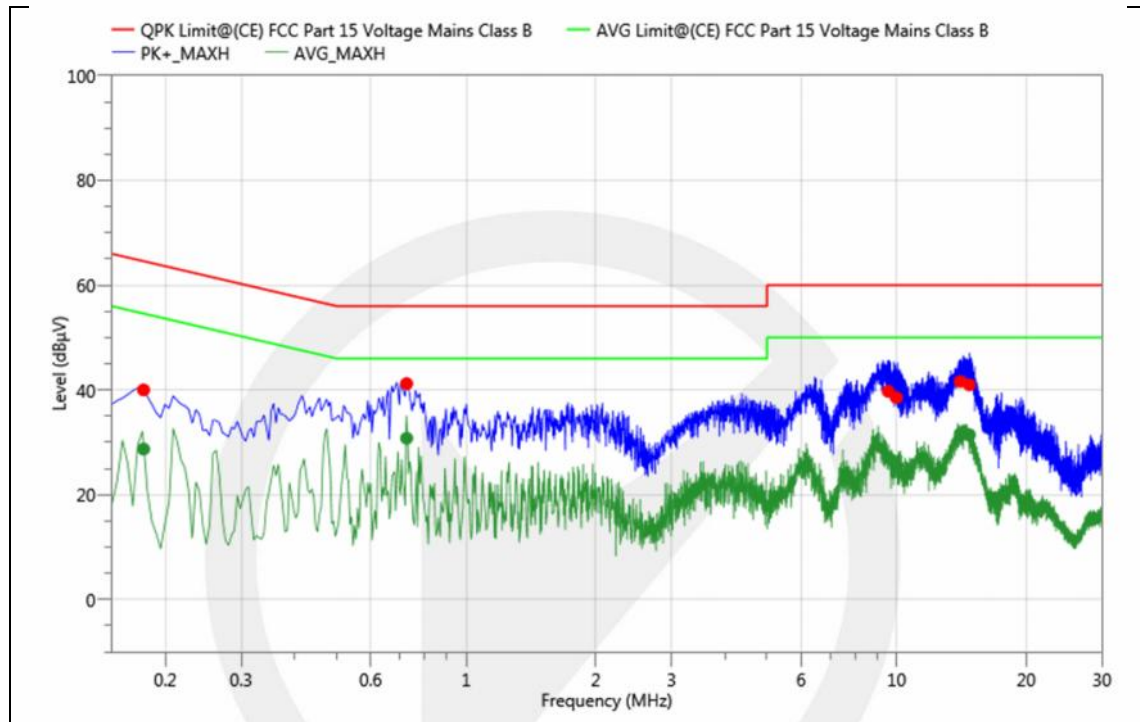


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.305	16.32	10.12	26.44	60.11	33.67	QPK	N	GND	PASS
2	0.305	8.29	10.12	18.41	50.11	31.70	AVG	N	GND	PASS
3	0.702	24.95	10.18	35.13	56.00	20.87	QPK	N	GND	PASS
4	0.702	19.18	10.18	29.36	46.00	16.64	AVG	N	GND	PASS
5	9.149	14.16	10.48	24.64	60.00	35.36	QPK	N	GND	PASS
6	9.149	8.62	10.48	19.10	50.00	30.90	AVG	N	GND	PASS
7	9.698	17.95	10.51	28.46	60.00	31.54	QPK	N	GND	PASS
8	9.698	13.40	10.51	23.91	50.00	26.09	AVG	N	GND	PASS
9	13.331	18.37	10.66	29.03	60.00	30.97	QPK	N	GND	PASS
10	13.331	13.79	10.66	24.45	50.00	25.55	AVG	N	GND	PASS
11	14.406	20.47	10.71	31.18	60.00	28.82	QPK	N	GND	PASS
12	14.406	15.53	10.71	26.24	50.00	23.76	AVG	N	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-12 23:42:58

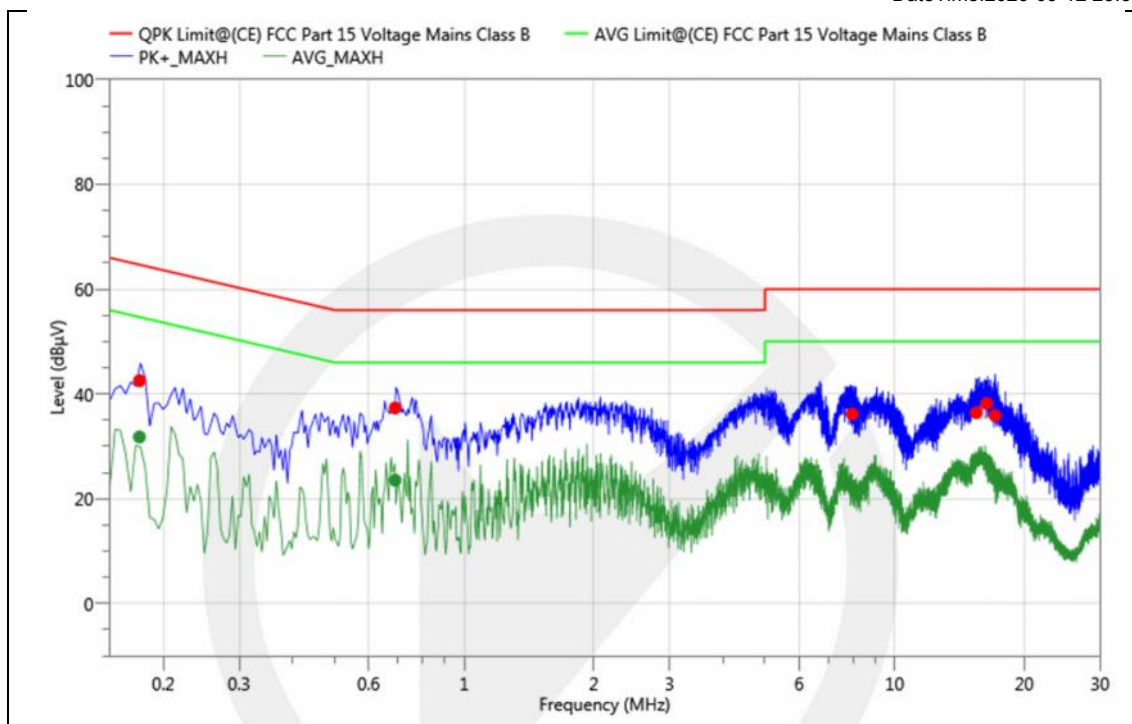


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.178	29.84	10.16	40.00	64.58	24.58	QPK	N	GND	PASS
2	0.178	18.56	10.16	28.72	54.58	25.86	AVG	N	GND	PASS
3	0.727	31.01	10.18	41.19	56.00	14.81	QPK	N	GND	PASS
4	0.727	20.60	10.18	30.78	46.00	15.22	AVG	N	GND	PASS
5	9.552	29.25	10.5	39.75	60.00	20.25	QPK	N	GND	PASS
6	9.552	16.68	10.5	27.18	50.00	22.82	AVG	N	GND	PASS
7	9.991	28.02	10.52	38.54	60.00	21.46	QPK	N	GND	PASS
8	9.991	15.04	10.52	25.56	50.00	24.44	AVG	N	GND	PASS
9	14.043	30.92	10.69	41.61	60.00	18.39	QPK	N	GND	PASS
10	14.043	20.95	10.69	31.64	50.00	18.36	AVG	N	GND	PASS
11	14.755	30.25	10.72	40.97	60.00	19.03	QPK	N	GND	PASS
12	14.755	20.73	10.72	31.45	50.00	18.55	AVG	N	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2462
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-12 23:38:05

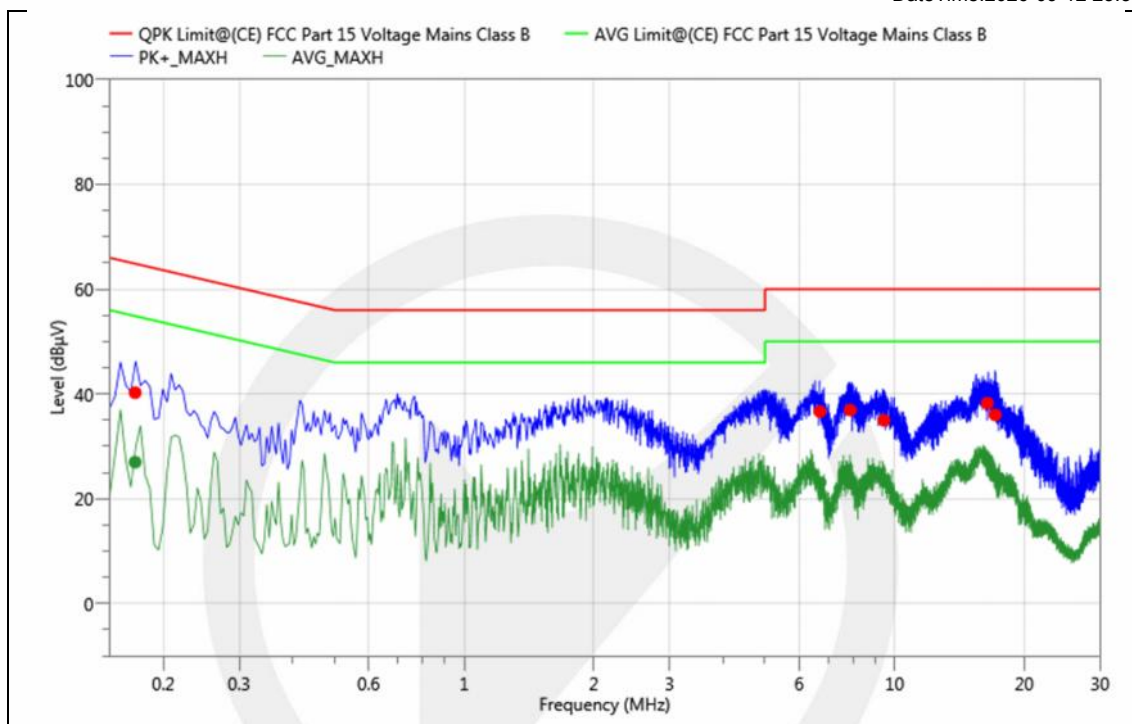


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.176	32.37	10.16	42.53	64.67	22.14	QPK	L1	GND	PASS
2	0.176	21.62	10.16	31.78	54.67	22.89	AVG	L1	GND	PASS
3	0.691	27.17	10.14	37.31	56.00	18.69	QPK	L1	GND	PASS
4	0.691	13.39	10.14	23.53	46.00	22.47	AVG	L1	GND	PASS
5	7.963	25.74	10.42	36.16	60.00	23.84	QPK	L1	GND	PASS
6	7.963	11.82	10.42	22.24	50.00	27.76	AVG	L1	GND	PASS
7	15.481	25.72	10.69	36.41	60.00	23.59	QPK	L1	GND	PASS
8	15.481	16.71	10.69	27.40	50.00	22.60	AVG	L1	GND	PASS
9	16.362	27.49	10.69	38.18	60.00	21.82	QPK	L1	GND	PASS
10	16.362	16.54	10.69	27.23	50.00	22.77	AVG	L1	GND	PASS
11	17.110	25.18	10.7	35.88	60.00	24.12	QPK	L1	GND	PASS
12	17.110	13.09	10.7	23.79	50.00	26.21	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-12 23:33:27

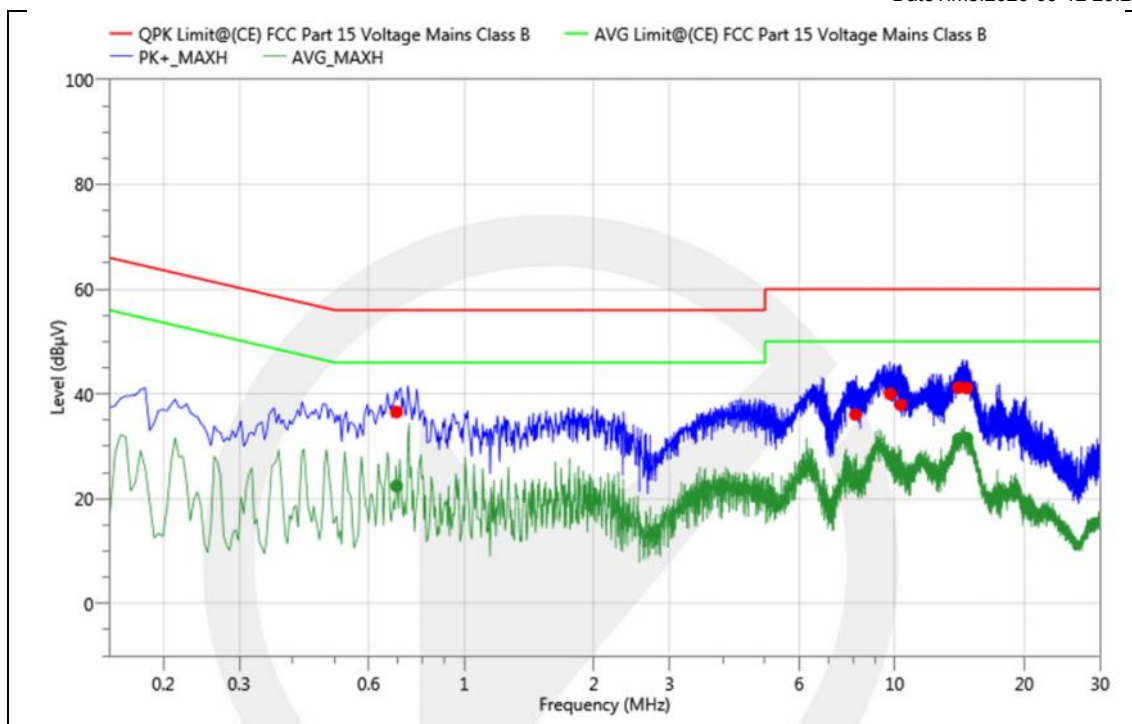


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.172	30.08	10.16	40.24	64.86	24.62	QPK	L1	GND	PASS
2	0.172	16.82	10.16	26.98	54.86	27.88	AVG	L1	GND	PASS
3	6.705	26.31	10.34	36.65	60.00	23.35	QPK	L1	GND	PASS
4	6.705	12.76	10.34	23.10	50.00	26.90	AVG	L1	GND	PASS
5	7.884	26.51	10.41	36.92	60.00	23.08	QPK	L1	GND	PASS
6	7.884	12.56	10.41	22.97	50.00	27.03	AVG	L1	GND	PASS
7	9.445	24.47	10.49	34.96	60.00	25.04	QPK	L1	GND	PASS
8	9.445	13.02	10.49	23.51	50.00	26.49	AVG	L1	GND	PASS
9	16.420	27.54	10.7	38.24	60.00	21.76	QPK	L1	GND	PASS
10	16.420	16.66	10.7	27.36	50.00	22.64	AVG	L1	GND	PASS
11	17.119	25.30	10.7	36.00	60.00	24.00	QPK	L1	GND	PASS
12	17.119	13.64	10.7	24.34	50.00	25.66	AVG	L1	GND	PASS

Project No. :	ENB2608210031W003	Customer :	Ningbo Richen Electrical Appliance Co.,Ltd.
Sample No :	ENB2608210031W003-1-2	EUT :	Electric Fireplace
Model :	EF565C	Mode :	TX2412
Voltage :	AC 120V/60Hz	Engineer :	Cheng Two
Temp :	22°C	Humi :	68%

DateTime:2026-09-12 23:28:16



Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.696	26.39	10.18	36.57	56.00	19.43	QPK	N	GND	PASS
2	0.696	12.26	10.18	22.44	46.00	23.56	AVG	N	GND	PASS
3	8.106	25.64	10.42	36.06	60.00	23.94	QPK	N	GND	PASS
4	8.106	12.62	10.42	23.04	50.00	26.96	AVG	N	GND	PASS
5	9.767	29.49	10.51	40.00	60.00	20.00	QPK	N	GND	PASS
6	9.767	17.29	10.51	27.80	50.00	22.20	AVG	N	GND	PASS
7	10.331	27.41	10.53	37.94	60.00	22.06	QPK	N	GND	PASS
8	10.331	14.48	10.53	25.01	50.00	24.99	AVG	N	GND	PASS
9	14.070	30.52	10.69	41.21	60.00	18.79	QPK	N	GND	PASS
10	14.070	20.68	10.69	31.37	50.00	18.63	AVG	N	GND	PASS
11	14.702	30.40	10.72	41.12	60.00	18.88	QPK	N	GND	PASS
12	14.702	20.86	10.72	31.58	50.00	18.42	AVG	N	GND	PASS

8.8 ANTENNA APPLICATION

8.8.1 Antenna Requirement

Standard	Requirement
FCC CRF Part15.203	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.
FCC 47 CFR Part 15.247 (b)	If transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

8.8.2 Result

PASS.

- Note:
- ☒ Antenna use a permanently attached antenna which is not replaceable.
 - ☐ Not using a standard antenna jack or electrical connector for antenna replacement
 - ☐ The antenna has to be professionally installed (please provide method of installation)

Please refer to the attached documentInternal Photos to show the antenna connector.

*** End of Report ***