TEST REPORT

Applicant: **Anker Innovations Limited**

Address: Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

FCC ID: **2AOKB-T86P2C**
IC: **23451-T86P2C**
HVIN: **T86P2C**

Standard(s): **47 CFR Part 15, Subpart C(15.247)**
RSS-247 Issue 4, July 24, 2025
RSS-Gen, Issue 5, February 2021 Amendment 2
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
KDB 558074 D01 15.247 Meas Guidance v05r02

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: **2603R33379E-RF-00A**

Date Of Issue: **2026/3/24**

Reviewed By: **Calvin Chen**

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the Room 101 & 201, Building 2, 256 Pingdong Road, Dalang Town, Dongguan City, Guangdong,China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol "▲". Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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Each test item follows the test standard(s) without deviation.

CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2603R33379E-RF-00A	Original Report	2026/3/24

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

1.1.1 General

EUT Name:	4G LTE Cam S330
Trade Name:	eufy
EUT Model:	T86P2
Operation Frequency:	2412-2462 MHz(802.11b/g/n ht20)
Maximum Peak Output Power (Conducted):	23.98dBm
Modulation Type:	802.11b: DSSS-DBPSK, DQPSK, CCK 802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM
Rated Input Voltage:	3.69 Vdc from Battery or 5 Vdc from Adapter
Sample Number:	3I1F-1 (RF) 3I1F-5 (CE&RE)
EUT Received Date:	2026/3/4
EUT Received Status:	Good

1.1.2 Operation Frequency Detail

For 802.11b/g/n ht20:

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

Per section 15.31(m), the below frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	2412
Middle	2437
Highest	2462

1.1.3 Antenna Information Detail▲

Antenna Type	input impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
FPC	50	2400-2500	3.53

The Method of §15.203 Compliance either:

☒ Antenna was permanently attached to the unit.

☐ Antenna use a unique type of connector to attach to the EUT.

☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

1.1.4 Accessory Information

Accessory Description	Manufacturer	Model	Serial Number
/	/	/	/

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	sscom5.13.1.exe

The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:

Mode	Channel	Frequency (MHz)	Data Rate	Power Level Setting
802.11b	Lowest	2412	1Mbps	0
	Middle	2437	1Mbps	0
	Highest	2462	1Mbps	0
802.11g	Lowest	2412	6Mbps	0
	Middle	2437	6Mbps	0
	Highest	2462	6Mbps	0
802.11n ht20	Lowest	2412	MCS0	-5
	Middle	2437	MCS0	-5
	Highest	2462	MCS0	-5

Note:
1. The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the power and PSD across all data rates, bandwidths, and modulations.

1.2.2 Support Equipment List and Details

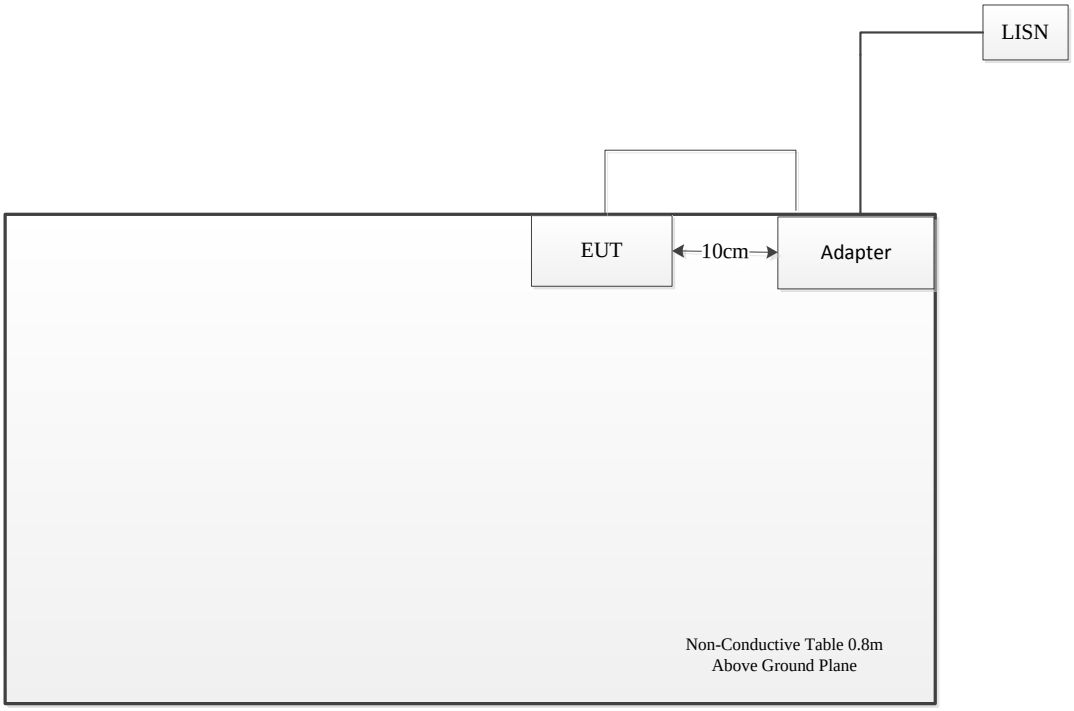
Manufacturer	Description	Model	Serial Number
Huntkey	Adapter	HKA01105021-XE	0D1805002143

1.2.3 Support Cable List and Details

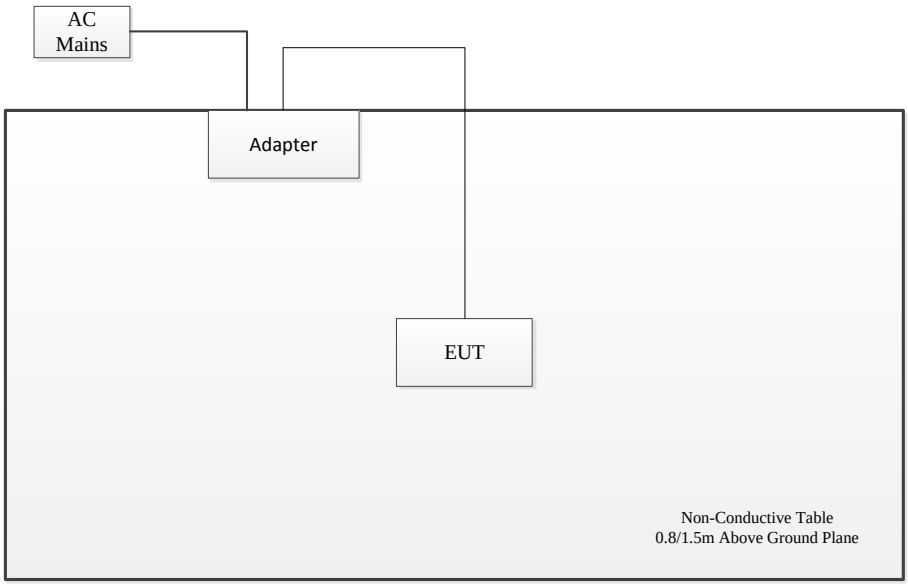
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	No	No	1.2m	Adapter	EUT
AC Cable	No	No	1.5m	LISN	Adapter
AC Cable	No	No	1.5m	AC Main	Adapter

1.2.4 Block Diagram of Test Setup

AC line conducted emissions



Spurious Emissions



1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	9kHz~30MHz: 4.12dB, 30M~200MHz: 3.89 dB, 200M~1GHz: 5.09 dB, 1G~6GHz: 5.12 dB, 6G~18GHz: 5.73 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard Rules	Description of Test	Result
FCC §15.203 RSS-Gen Clause 6.8	Antenna Requirement	Compliant
FCC §15.207(a) RSS-Gen Clause 8.8	AC Line Conducted Emissions	Compliant
FCC §15.205, §15.209, §15.247(d) RSS-247 Clause 6.6 RSS-Gen Clause 8.10	Radiated Spurious Emission	Compliant
FCC §15.207(a)(2) RSS-247 Clause 6.3.1 a	6dB Emission Bandwidth	Compliant
RSS-Gen Clause 6.7	99% Occupied Bandwidth	Compliant
FCC §15.247(b)(1) RSS-247 Clause 6.3.2	Maximum Conducted Output Power	Compliant
FCC §15.247(d) RSS-247 Clause 6.6	Conducted Spurious Emission	Compliant
FCC §15.247(e) RSS-247 Clause 6.3.1 b	Power Spectral Density	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC §15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

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

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 μH/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

RSS-Gen Clause 8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50 μH / 50 Ω line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.
For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the

boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

Table 4 – AC power-line conducted emissions limits

Frequency (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56[1]	56 to 46[1]
0.5 – 5	56	46
5 – 30	60	50

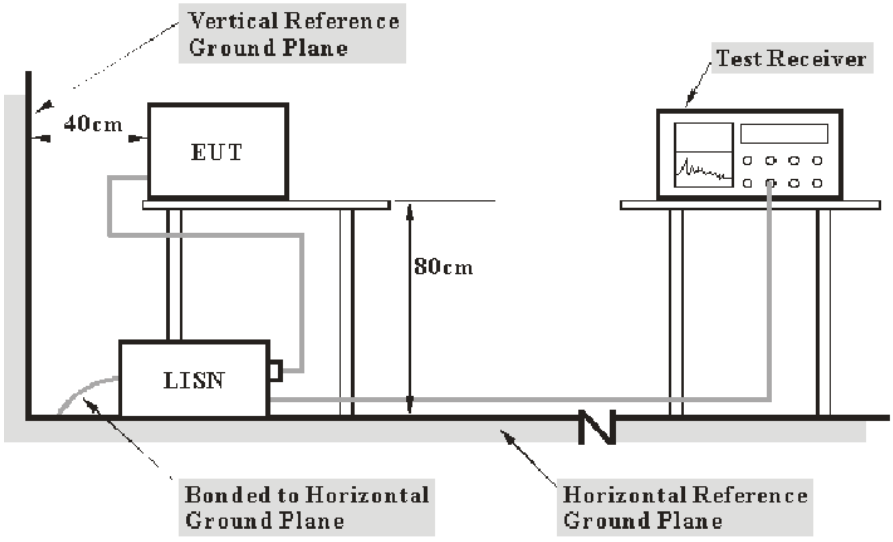
Note 1: The level decreases linearly with the logarithm of the frequency.

For an EUT with a permanent or detachable antenna operating between 150 kHz and 30 MHz, the AC power-line conducted emissions must be measured using the following configurations:

(a) Perform the AC power-line conducted emissions test with the antenna connected to determine compliance with the limits of table 4 outside the transmitter's fundamental emission band.

(b) Retest with a dummy load instead of the antenna to determine compliance with the limits of table 4 within the transmitter's fundamental emission band. For a detachable antenna, remove the antenna and connect a suitable dummy load to the antenna connector. For a permanent antenna, remove the antenna and terminate the RF output with a dummy load or network that simulates the antenna in the fundamental frequency band.

3.1.2 EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits, RSS-Gen limits.

The spacing between the peripherals was 10 cm.

3.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

3.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor
Factor = attenuation caused by cable loss + voltage division factor of AMN

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiation Spurious Emissions

3.2.1 Applicable Standard

FCC §15.247 (d);

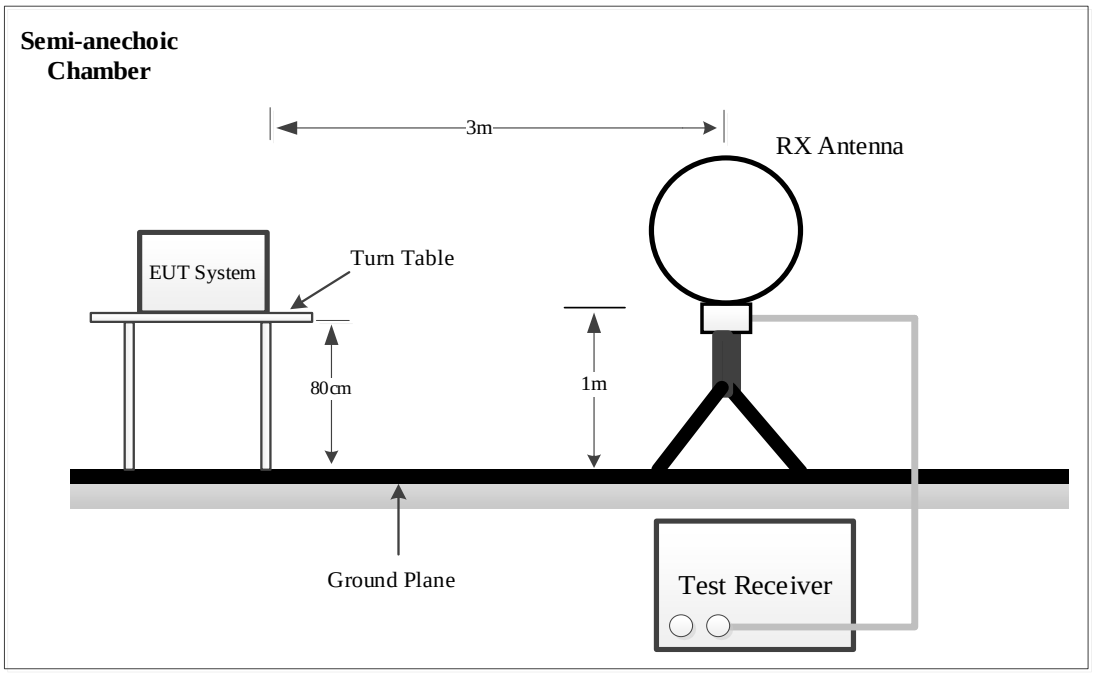
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

RSS-247 Clause 6.6

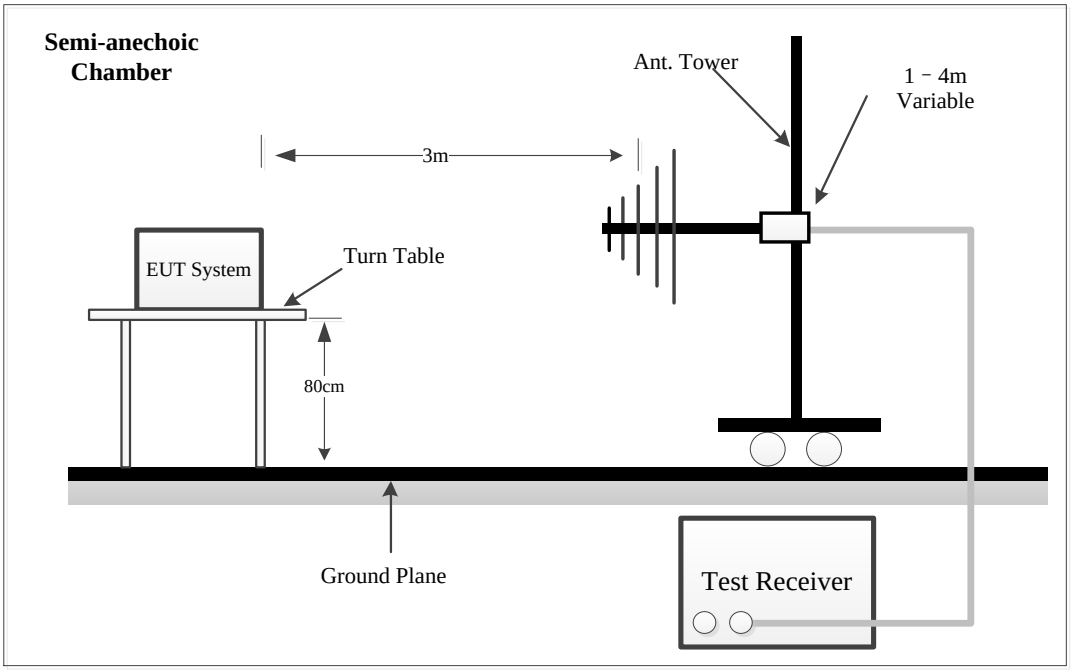
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum device, digitally modulated device, or hybrid system is operating, the RF power that is produced shall be at least 20 dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power – 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 6.3.2, the attenuation required shall be30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

3.2.2 EUT Setup

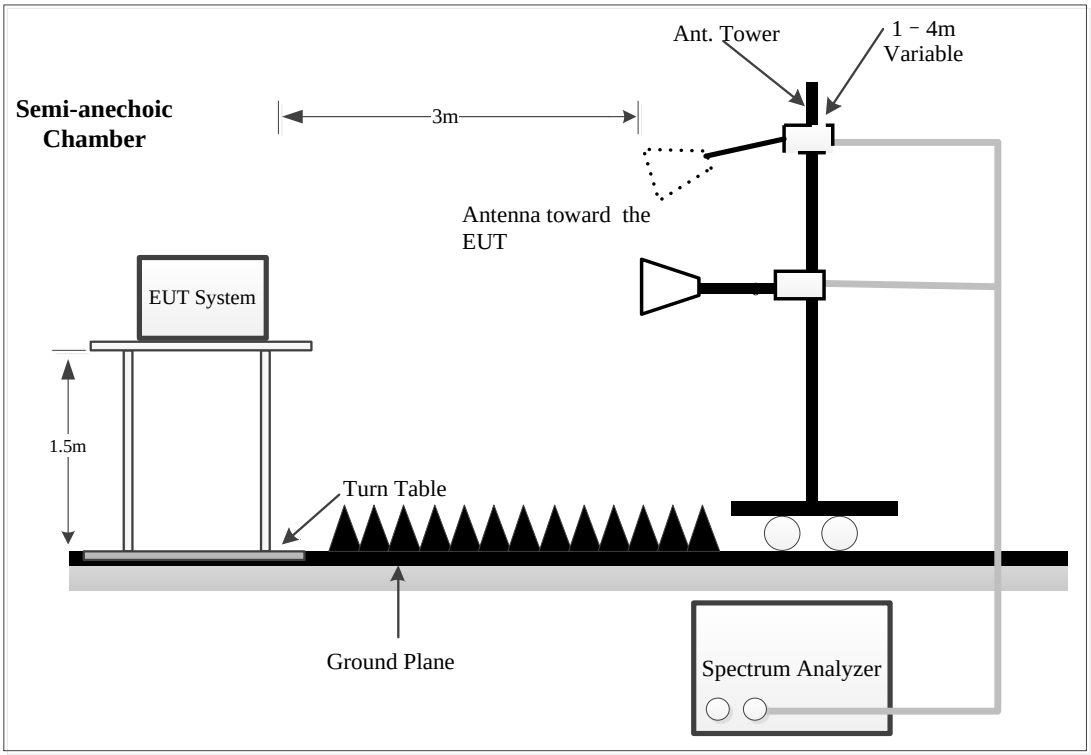
9kHz~30MHz:



30MHz~1GHz:



1-25GHz:



The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, and FCC 15.247 limits, RSS-247, RSS-Gen limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	/	Peak	PK
	/	/	200 Hz	Quasi Peak/ Average	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	/	Peak	PK
	/	/	9 kHz	Quasi Peak/ Average	QP/AV
30MHz – 1000 MHz	120 kHz	300 kHz	/	Peak	PK
	/	/	120kHz	Quasi Peak	QP

1GHz- 25GHz:
Pre-scan:

Measurement	Duty cycle	RBW	Video B/W	Detector
PK	Any	1MHz	3 MHz	Peak
Ave.	>98%	1MHz	5 kHz	Peak
	<98%	1MHz	≥1/T, not less than 5 kHz	Peak

Note: T is minimum transmission duration

Final measurement for emission identified during the pre-scan:

Measurement	Duty cycle	RBW	Video B/W	Detector
PK	Any	1MHz	3 MHz	Peak
Ave.	>98%	1MHz	10 Hz	Peak
	<98%	1MHz	≥1/T	Peak

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

3.2.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz except 9–90 kHz, 110–490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

All emissions under the average limit and under the noise floor have not recorded in the report.

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor
Factor = Antenna Factor + Cable Loss- Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

For the spurious emission below 30MHz, the limit was convert from dBμA/m to dBμV/m by adding 51.5 dB.

3.3 Minimum 6 dB Emission Bandwidth

3.3.1 Applicable Standard

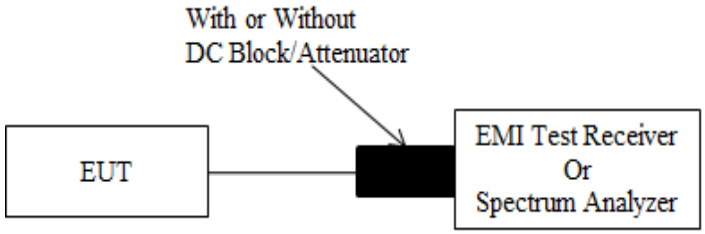
FCC §15.247 (a)(2)

Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

RSS-247 Clause 6.3.1 a

The minimum 6 dB bandwidth shall be 500 kHz.

3.3.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, The insert loss of this RF cab le/attenuator was offset into the setting of test equipment.

3.3.3 Test Procedure

According to ANSI C63.10-2020 Section 11.8

a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
b) Set the VBW ≥ [3 × RBW].
c) Detector = peak.
d) Trace mode = max-hold.
e) Sweep = No faster than coupled (auto) time.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "−6 dB down amplitude". If a marker is below this "−6 dB down amplitude" value, then it shall be as close as possible to this value.

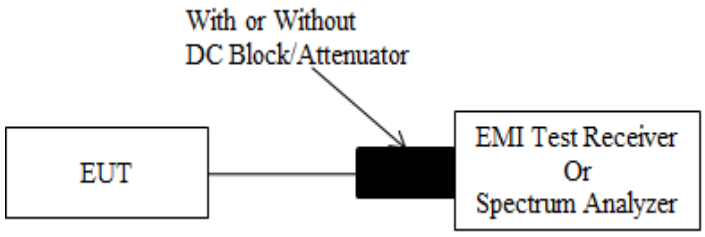
3.4 99% Occupied Bandwidth

3.4.1 Applicable Standard

RSS-Gen Clause 6.7

The occupied bandwidth or the "99% emission bandwidth" is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.
In some cases, the "x dB bandwidth" is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.
The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:
The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
The detector of the spectrum analyzer shall be set to "Sample". However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or "Max Hold") may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value.
Video averaging is not permitted.
Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.
For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

3.4.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, The insert loss of this RF cab le/attenuator was offset into the setting of test equipment.

3.4.3 Test Procedure

According to ANSI C63.10a-2024 Section 6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, without going below the values in 6.9.1 and video bandwidth (VBW) shall be at least three times RBW, unless otherwise specified by the applicable requirement.

1) When measuring OBW for UWB, the VBW shall be set to three times the RBW or the maximum available VBW of the measuring instrument.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] [dB] below the reference level. Specific guidance is given in 4.1.6.2.

d) Step a) through step c) might require iteration to adjust within the specified range.

e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.

f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

g) If the instrument does not have a 99% power bandwidth function, then the trace data points shall be recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

3.5 Maximum Conducted Output Power

3.5.1 Applicable Standard

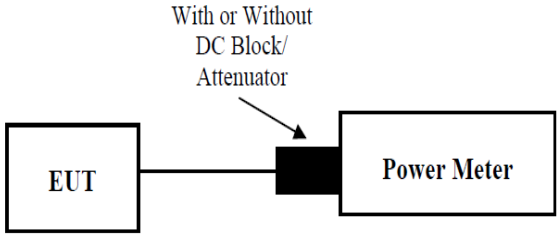
FCC §15.247 (b)(3)

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

RSS-247 Clause 6.3.2

For DTS operating in the band 2400-2483.5MHz, the maximum peak conducted output power shall not exceed 1W, and the e.i.r.p. shall not exceed 4 W, except as provided in section 6.5 a) and b).

3.5.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, The insert loss of this RF cab le/attenuator was offset into the setting of test equipment.

3.5.3 Test Procedure

According to ANSI C63.10-2020 Section 11.9.1.2

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast responding diode detector.

a) Set the EUT in transmitting mode.
b) Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to test equipment.
c) Add a correction factor to the display.
d) Set the power meter to test peak output power, record the result.

According to ANSI C63.10-2020 Section 11.9.2.3.2

Method AVGPM-G is a measurement using a gated RF average power meter.

Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.6 Maximum Power Spectral Density

3.6.1 Applicable Standard

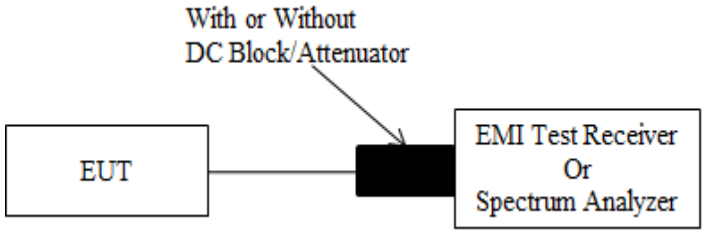
FCC §15.247 (e)

For digitally modulated systems, the power spectral density conducted from the intentional radiator 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 paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

RSS-247 Clause 6.3.1 b

The transmitter power spectral density conducted from the transmitter to the antenna(s) shall not be greater than 8 dBm/3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of section 6.3.2. The power spectral density shall be determined using the same method as is used to determine the maximum conducted output power.

3.6.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, The insert loss of this RF cab le/attenuator was offset into the setting of test equipment.

3.6.3 Test Procedure

According to ANSI C63.10-2020 Section 11.10.2

The following procedure shall be used if maximum peak conducted output power was used to determine compliance:

a) Set analyzer center frequency to DTS channel center frequency.
b) Set the span >1.5 times the DTS bandwidth.
c) Set the RBW to 3 kHz ≤ RBW ≤ 100 kHz.
d) Set the VBW ≥ [3 × RBW].
e) Detector = peak.
f) Sweep time = No faster than coupled (auto) time.
g) Trace mode = max-hold.
h) Allow trace to fully stabilize.
i) Use the peak marker function to determine the maximum amplitude level within the RBW.
j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

3.7 Conducted Spurious Emission

3.7.1 Applicable Standard

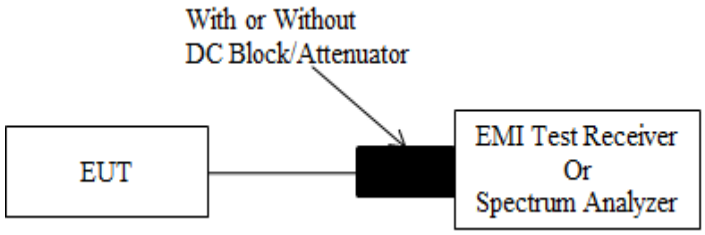
FCC §15.247 (d);

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

RSS-247 Clause 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum device, digitally modulated device, or hybrid system is operating, the RF power that is produced shall be at least 20 dB below that in the 100kHz 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 6.3.2, the attenuation required shall be30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

3.7.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, The insert loss of this RF cab le/attenuator was offset into the setting of test equipment.

3.7.3 Test Procedure

According to ANSI C63.10-2020 Section 11.11.2

Reference level measurement

Establish a reference level by using the following procedure:

a) Set instrument center frequency to DTS channel center frequency.
b) Set the span to ≥ 1.5 times the DTS bandwidth.
c) Set the RBW = 100 kHz.
d) Set the VBW ≥ [3 × RBW].
e) Detector = peak.
f) Sweep time = No faster than coupled (auto) time.
g) Trace mode = max-hold.
h) Allow trace to fully stabilize.
i) 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

According to ANSI C63.10-2020 Section 11.11.3

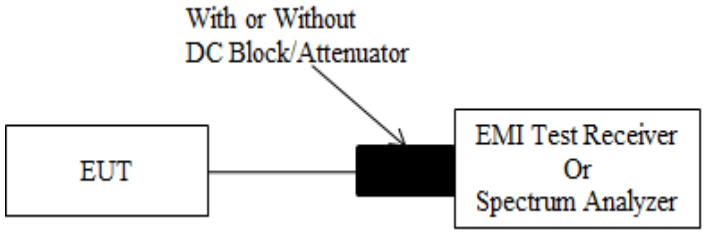
Emission level measurement

Establish an emission level by using the following procedure:

a) Set the center frequency and span to encompass frequency range to be measured. Note that the frequency range might need to be divided into multiple frequency ranges to retain frequency resolution.
NOTE—the number of points can also be increased for large spans to retain frequency resolution
b) Set the RBW = 100 kHz.
c) Set the VBW ≥ [3 × RBW].
d) Detector = peak.
e) Sweep time = No faster than coupled (auto) time.
f) Trace mode = max-hold.
g) Allow trace to fully stabilize.
h) 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) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

3.8 Duty Cycle

3.8.1 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, The insert loss of this RF cab le/attenuator was offset into the setting of test equipment.

3.8.2 Test Procedure

According to ANSI C63.10-2020 Section 11.6

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

1) Set the center frequency of the instrument to the center frequency of the transmission.
2) Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.
3) Set VBW ≥ RBW. Set detector = peak or average.
4) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if T ≤ 16.7 μs.)

3.9 Antenna Requirement

3.9.1 Applicable Standard

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

RSS-Gen Clause 6.8

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).
When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.
The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.
For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:
This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

3.9.2 Judgment

Compliant. Please refer to the Antenna Information detail in Section 1.1.3.

4. TEST DATA AND RESULTS

4.1 AC Line Conducted Emissions

Sample Number:	3I1F-5	Test Date:	2026/3/13
Test Site:	CE	Test Mode:	Transmitting(maximum output power 802.11g high channel)
Tester:	Lane Sun	Test Result:	Pass

Environmental Conditions:

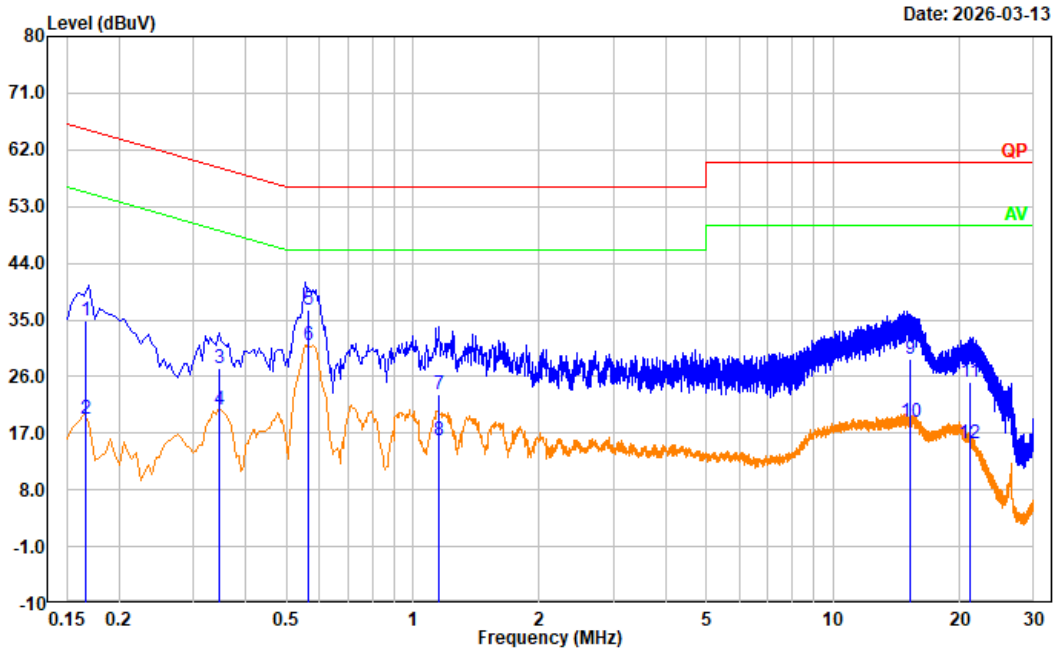
Temperature: (℃)	24.4	Relative Humidity: (%)	42	ATM Pressure: (kPa)	101.6

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	2025/11/31	2026/11/30
R&S	EMI Test Receiver	ESR3	103104	2025/5/9	2026/5/8
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A

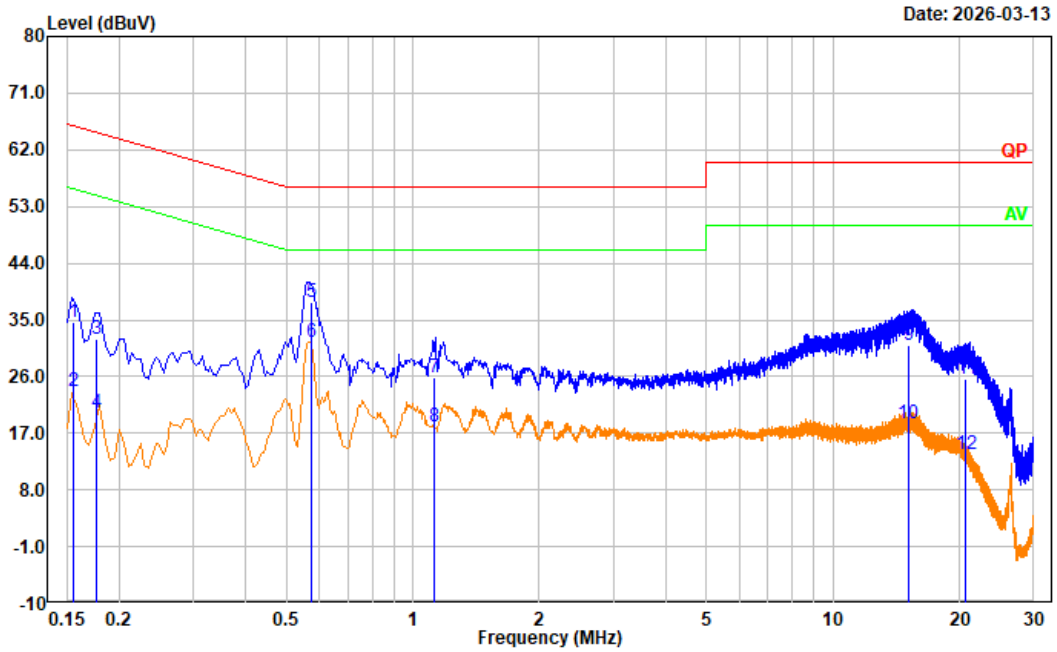
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Project No.: 2603R33379E-RF
Tester: Lane Sun
Port: Line
Condition: RBW:9kHz
Test Mode: Operating
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.167	24.53	10.41	34.94	65.13	30.19	QP
2	0.167	8.83	10.41	19.24	55.13	35.89	Average
3	0.347	17.03	10.41	27.44	59.04	31.60	QP
4	0.347	10.21	10.41	20.62	49.04	28.42	Average
5	0.563	26.24	10.38	36.62	56.00	19.38	QP
6	0.563	20.48	10.38	30.86	46.00	15.14	Average
7	1.158	12.69	10.44	23.13	56.00	32.87	QP
8	1.158	5.36	10.44	15.80	46.00	30.20	Average
9	15.217	18.77	9.99	28.76	60.00	31.24	QP
10	15.217	8.83	9.99	18.82	50.00	31.18	Average
11	21.092	15.36	9.73	25.09	60.00	34.91	QP
12	21.092	5.62	9.73	15.35	50.00	34.65	Average

Project No.: 2603R33379E-RF
Tester: Lane Sun
Port: neutral
Condition: RBW:9kHz
Test Mode: Operating
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.156	24.21	10.51	34.72	65.68	30.96	QP
2	0.156	13.04	10.51	23.55	55.68	32.13	Average
3	0.177	21.45	10.51	31.96	64.64	32.68	QP
4	0.177	9.79	10.51	20.30	54.64	34.34	Average
5	0.572	27.72	10.15	37.87	56.00	18.13	QP
6	0.572	21.27	10.15	31.42	46.00	14.58	Average
7	1.121	15.55	10.34	25.89	56.00	30.11	QP
8	1.121	7.60	10.34	17.94	46.00	28.06	Average
9	15.070	21.04	10.00	31.04	60.00	28.96	QP
10	15.070	8.54	10.00	18.54	50.00	31.46	Average
11	20.724	15.51	10.21	25.72	60.00	34.28	QP
12	20.724	3.49	10.21	13.70	50.00	36.30	Average

4.2 Radiation Spurious Emissions

4.2.1 9 kHz – 1 GHz

Sample Number:	3I1F-5	Test Date:	2026/3/14
Test Site:	966-1	Test Mode:	Transmitting(maximum output power 802.11g high channel)
Tester:	Jin He	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	22.9	Relative Humidity: (%)	43	ATM Pressure: (kPa)	101.8

Test Equipment List and Details:

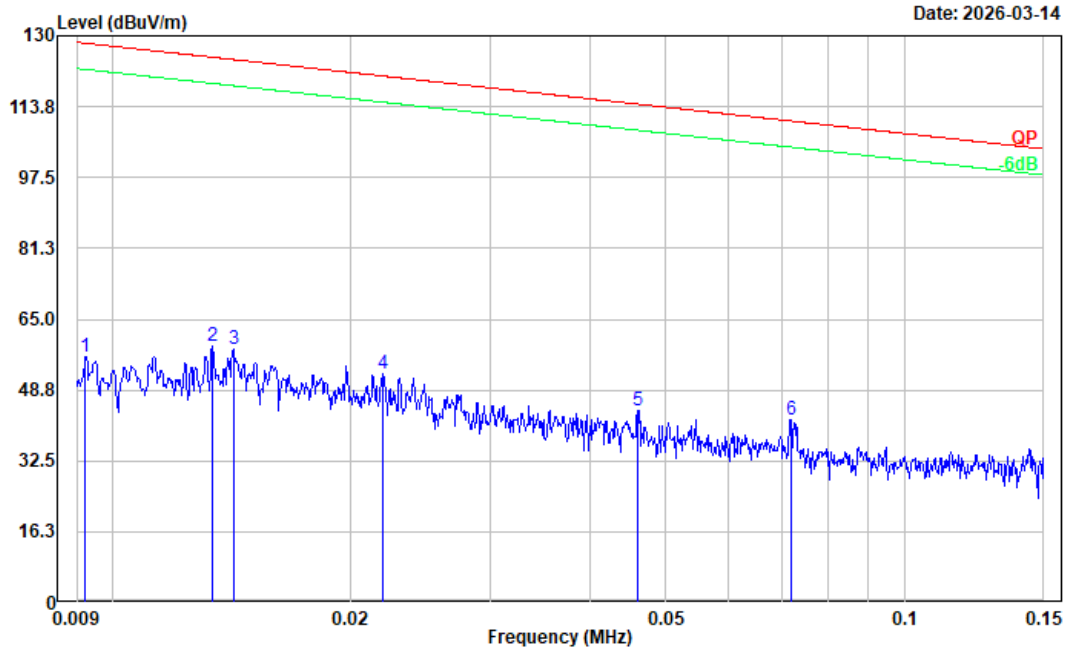
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
GLOBAL	Loop Antenna	1313-1A	3110611	2023/12/4	2026/12/3
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2025/11/10	2026/11/9
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2025/11/10	2026/11/9
R&S	EMI Test Receiver	ESR3	102724	2026/2/27	2027/2/26
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2025/11/10	2026/11/9
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2025/11/10	2026/11/9
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2025/6/4	2026/6/3
Sonoma	Amplifier	310N	186165	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

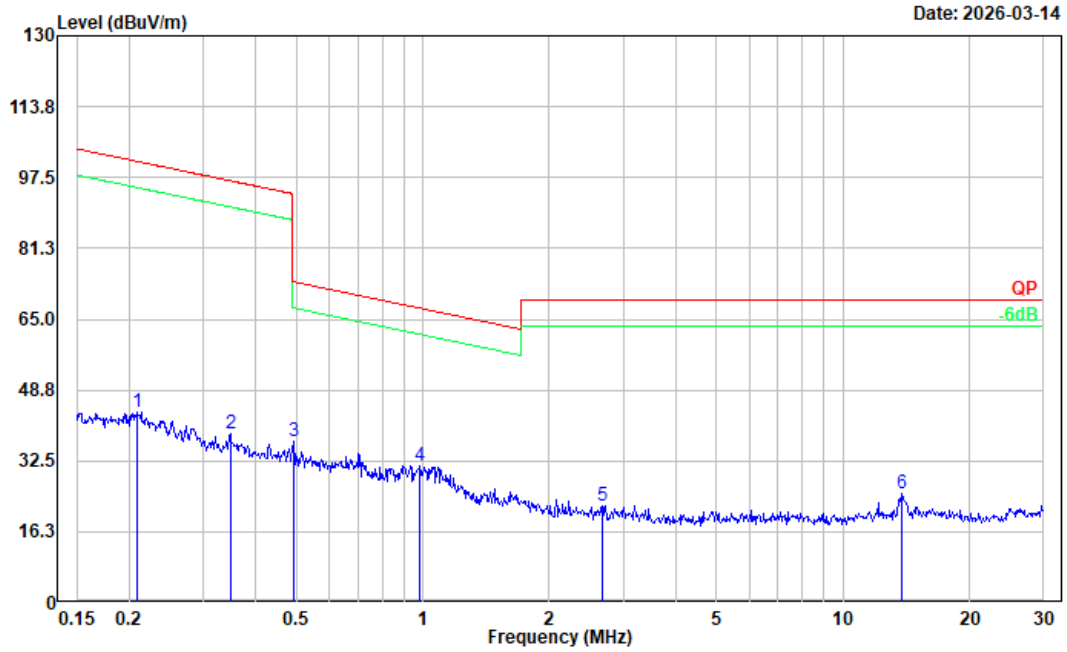
After pre-scan in the X, Y and Z axes of orientation, the worst case(Y axes) is refer to plots.

Project No.: 2603R33379E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Parallel
Note: Transmitting



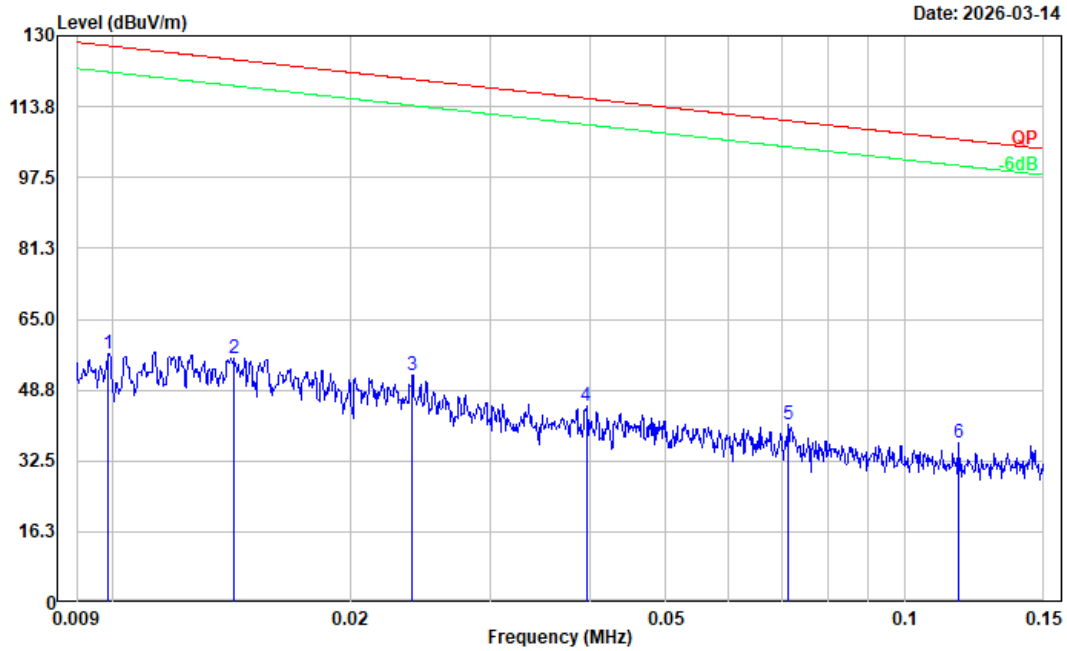
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	0.009	21.15	35.32	56.47	128.30	71.83	Peak
2	0.013	25.95	32.75	58.70	125.10	66.40	Peak
3	0.014	25.62	32.35	57.97	124.56	66.59	Peak
4	0.022	23.78	28.71	52.49	120.77	68.28	Peak
5	0.046	22.63	21.50	44.13	114.35	70.22	Peak
6	0.072	24.52	17.42	41.94	110.46	68.52	Peak

Project No.: 2603R33379E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Parallel
Note: Transmitting



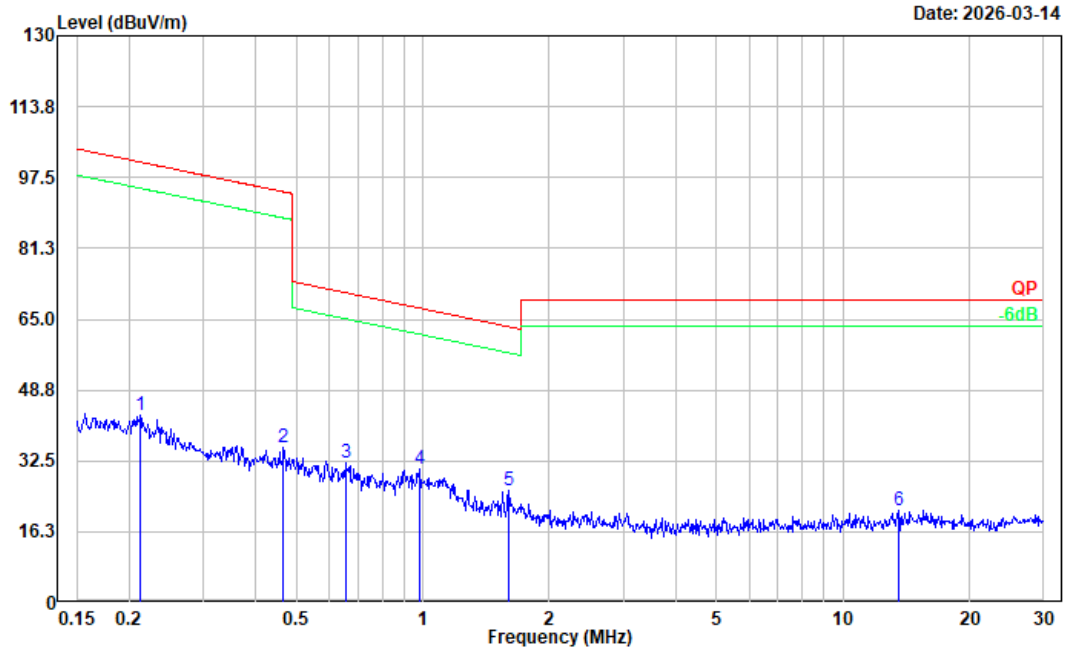
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	0.209	34.59	9.25	43.84	101.18	57.34	Peak
2	0.348	34.68	4.04	38.72	96.76	58.04	Peak
3	0.494	36.00	0.98	36.98	73.73	36.75	Peak
4	0.984	35.62	-4.31	31.31	67.62	36.31	Peak
5	2.678	30.35	-8.00	22.35	69.54	47.19	Peak
6	13.841	32.94	-8.01	24.93	69.54	44.61	Peak

Project No.: 2603R33379E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Perpendicular
Note: Transmitting



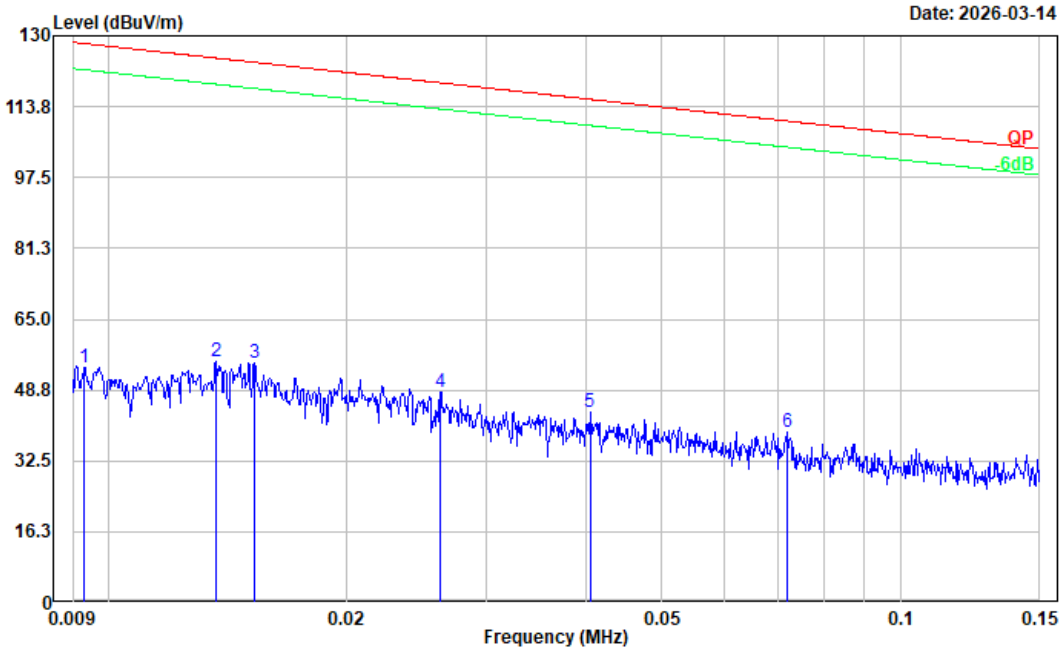
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	0.010	23.35	33.86	57.21	127.71	70.50	Peak
2	0.014	24.63	31.54	56.17	124.54	68.37	Peak
3	0.024	25.53	26.58	52.11	120.04	67.93	Peak
4	0.040	23.60	21.51	45.11	115.64	70.53	Peak
5	0.071	24.32	16.45	40.77	110.53	69.76	Peak
6	0.117	23.86	12.76	36.62	106.23	69.61	Peak

Project No.: 2603R33379E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Perpendicular
Note: Transmitting



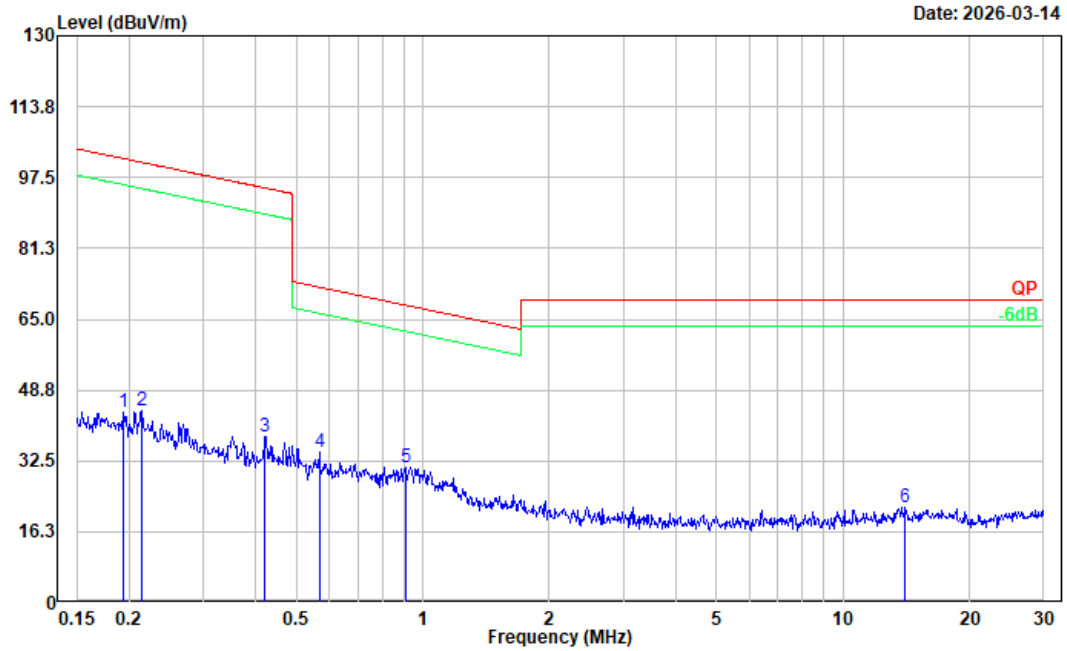
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	0.213	34.41	8.41	42.82	101.04	58.22	Peak
2	0.466	34.82	0.72	35.54	94.23	58.69	Peak
3	0.654	33.90	-1.83	32.07	71.24	39.17	Peak
4	0.984	35.91	-5.32	30.59	67.62	37.03	Peak
5	1.602	33.02	-7.31	25.71	63.29	37.58	Peak
6	13.551	29.84	-8.57	21.27	69.54	48.27	Peak

Project No.: 2603R33379E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Ground-Parallel
Note: Transmitting



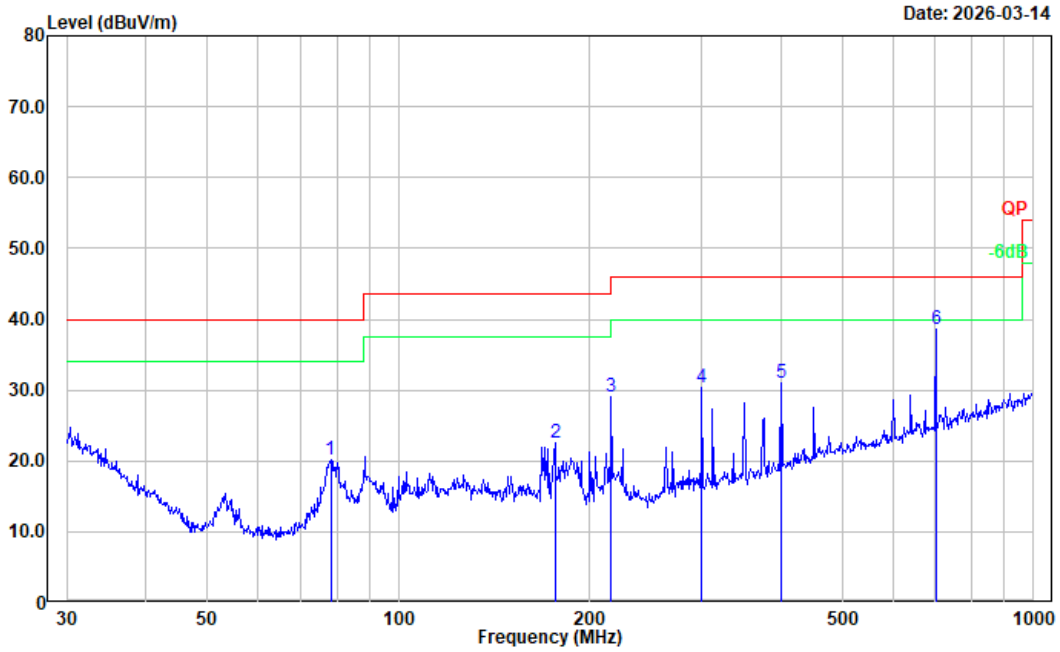
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	0.009	18.76	35.22	53.98	128.23	74.25	Peak
2	0.014	22.86	32.61	55.47	124.90	69.43	Peak
3	0.015	23.04	31.84	54.88	123.93	69.05	Peak
4	0.026	21.48	26.71	48.19	119.23	71.04	Peak
5	0.041	21.12	22.67	43.79	115.45	71.66	Peak
6	0.072	21.61	17.42	39.03	110.46	71.43	Peak

Project No.: 2603R33379E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Ground-Parallel
Note: Transmitting



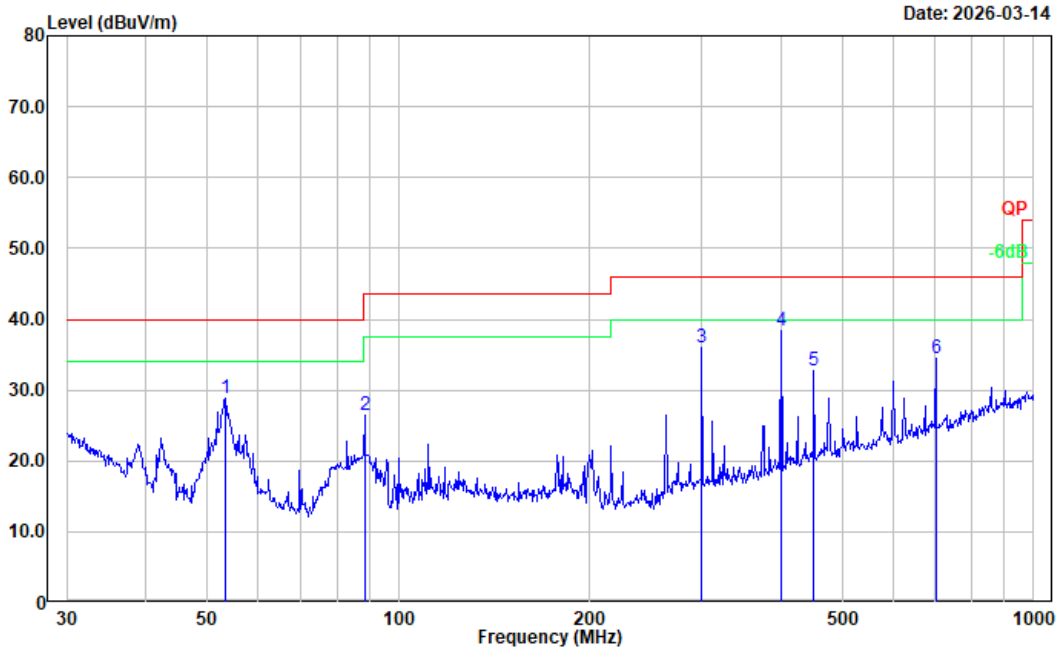
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	0.194	33.88	9.95	43.83	101.83	58.00	Peak
2	0.215	35.18	8.99	44.17	100.95	56.78	Peak
3	0.421	35.62	2.51	38.13	95.11	56.98	Peak
4	0.567	34.26	0.13	34.39	72.50	38.11	Peak
5	0.914	34.61	-3.57	31.04	68.27	37.23	Peak
6	14.063	29.79	-8.01	21.78	69.54	47.76	Peak

Project No.: 2603R33379E-RF
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: horizontal
Note: Transmitting



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	78.139	37.28	-17.11	20.17	40.00	19.83	Peak
2	176.269	35.69	-13.09	22.60	43.50	20.90	Peak
3	216.024	42.90	-13.76	29.14	46.00	16.86	Peak
4	300.367	40.67	-10.29	30.38	46.00	15.62	Peak
5	400.432	38.91	-7.84	31.07	46.00	14.93	Peak
6	701.761	41.26	-2.76	38.50	46.00	7.50	Peak

Project No.: 2603R33379E-RF
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: vertical
Note: Transmitting



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	53.318	46.28	-17.54	28.74	40.00	11.26	Peak
2	88.342	43.62	-17.07	26.55	43.50	16.95	Peak
3	300.367	46.31	-10.29	36.02	46.00	9.98	Peak
4	400.432	46.12	-7.84	38.28	46.00	7.72	Peak
5	451.135	39.38	-6.73	32.65	46.00	13.35	Peak
6	701.761	37.14	-2.76	34.38	46.00	11.62	Peak

4.2.2 1 GHz – 25 GHz

Sample Number	3I1F-5	Test Date:	2026/3/19
Test Site:	966-2	Test Mode:	Transmitting
Tester:	Peter Rong	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	23.1	Relative Humidity: (%)	60	ATM Pressure: (kPa)	101.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/6	2026/12/5
R&S	Spectrum Analyzer	FSV40	101591	2025/3/31	2026/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/11/10	2026/11/9
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/11/10	2026/11/9
A.H	Pre-amplifier	PAM-0118P	628	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2024/2/4	2027/2/3
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2025/11/10	2026/11/9
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2025/11/10	2026/11/9
Decentest	Multiplex Switch Test Control Set	DT7220SCU	DQ77925	2025/8/4	2026/8/3
Decentest	Filter Switch Unit	DT7220FSU	DQ77928	2025/8/4	2026/8/3

**** Statement of Traceability:*** *China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

After pre-scan in the X, Y and Z axes of orientation, the worst case(Y axes) is below:

802.11b Mode

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2412 MHz							
4824.000	38.11	PK	H	4.69	42.80	74.00	31.20
4824.000	37.85	PK	V	4.69	42.54	74.00	31.46
7236.000	37.09	PK	H	10.12	47.21	74.00	26.79
7236.000	25.14	AV	H	10.12	35.26	54.00	18.74
7236.000	38.51	PK	V	10.12	48.63	74.00	25.37
7236.000	25.42	AV	V	10.12	35.54	54.00	18.46
Middle Channel: 2437 MHz							
4874.000	37.51	PK	H	4.85	42.36	74.00	31.64
4874.000	37.63	PK	V	4.85	42.48	74.00	31.52
7311.000	38.32	PK	H	10.55	48.87	74.00	25.13
7311.000	25.16	AV	H	10.55	35.71	54.00	18.29
7311.000	36.86	PK	V	10.55	47.41	74.00	26.59
7311.000	24.53	AV	V	10.55	35.08	54.00	18.92
High Channel: 2462 MHz							
4924.000	37.54	PK	H	4.90	42.44	74.00	31.56
4924.000	38.63	PK	V	4.90	43.53	74.00	30.47
7386.000	37.15	PK	H	10.75	47.90	74.00	26.10
7386.000	25.64	AV	H	10.75	36.39	54.00	17.61
7386.000	37.49	PK	V	10.75	48.24	74.00	25.76
7386.000	25.06	AV	V	10.75	35.81	54.00	18.19

802.11g Mode

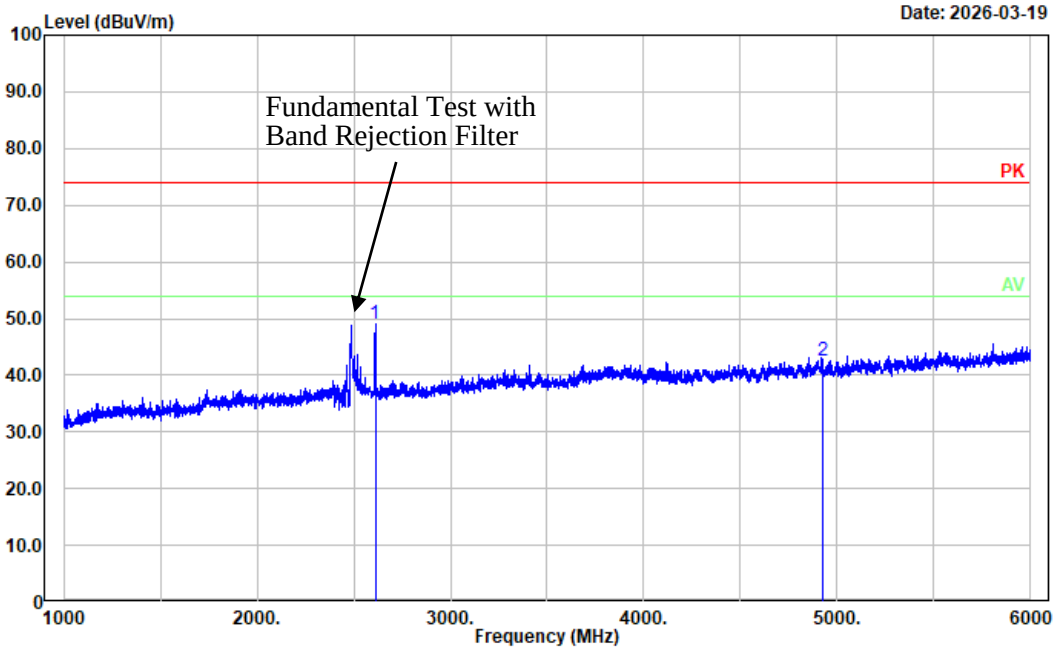
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2412 MHz							
4824.000	36.21	PK	H	4.69	40.90	74.00	33.10
4824.000	36.78	PK	V	4.69	41.47	74.00	32.53
7236.000	37.51	PK	H	10.12	47.63	74.00	26.37
7236.000	37.51	PK	H	10.12	47.63	74.00	26.37
7236.000	25.11	AV	H	10.12	35.23	54.00	18.77
7236.000	36.23	PK	V	10.12	46.35	74.00	27.65
Middle Channel: 2437 MHz							
4874.000	36.79	PK	H	4.85	41.64	74.00	32.36
4874.000	37.89	PK	V	4.85	42.74	74.00	31.26
7311.000	37.41	PK	H	10.55	47.96	74.00	26.04
7311.000	25.11	AV	H	10.55	35.66	54.00	18.34
7311.000	37.11	PK	V	10.55	47.66	74.00	26.34
7311.000	25.01	AV	V	10.55	35.56	54.00	18.44
High Channel: 2462 MHz							
4924.000	36.74	PK	H	4.90	41.64	74.00	32.36
4924.000	37.59	PK	V	4.90	42.49	74.00	31.51
7386.000	38.54	PK	H	10.75	49.29	74.00	24.71
7386.000	25.36	AV	H	10.75	36.11	54.00	17.89
7386.000	37.58	PK	V	10.75	48.33	74.00	25.67
7386.000	25.12	AV	V	10.75	35.87	54.00	18.13

802.11n ht20 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2412 MHz							
4824.000	36.74	PK	H	4.69	41.43	74.00	32.57
4824.000	37.79	PK	V	4.69	42.48	74.00	31.52
7236.000	37.54	PK	H	10.12	47.66	74.00	26.34
7236.000	25.31	AV	H	10.12	35.43	54.00	18.57
7236.000	36.89	PK	V	10.12	47.01	74.00	26.99
7236.000	24.88	AV	V	10.12	35.00	54.00	19.00
Middle Channel: 2437 MHz							
4874.000	37.44	PK	H	4.85	42.29	74.00	31.71
4874.000	37.89	PK	V	4.85	42.74	74.00	31.26
7311.000	37.14	PK	H	10.55	47.69	74.00	26.31
7311.000	25.03	AV	H	10.55	35.58	54.00	18.42
7311.000	37.95	PK	V	10.55	48.50	74.00	25.50
7311.000	25.14	AV	V	10.55	35.69	54.00	18.31
High Channel: 2462 MHz							
4924.000	38.13	PK	H	4.90	43.03	74.00	30.97
4924.000	37.63	PK	V	4.90	42.53	74.00	31.47
7386.000	37.89	PK	H	10.75	48.64	74.00	25.36
7386.000	25.51	AV	H	10.75	36.26	54.00	17.74
7386.000	37.11	PK	V	10.75	47.86	74.00	26.14
7386.000	25.45	AV	V	10.75	36.20	54.00	17.80

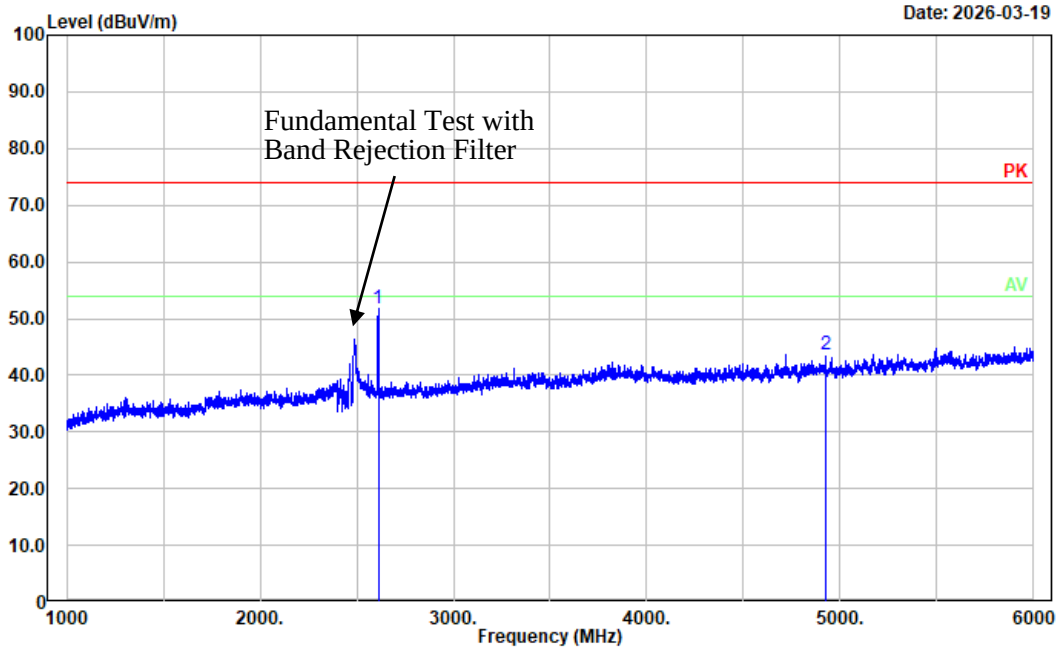
Worst radiation spurious emissions margin test plots for each mode
Note: for 18 – 25 GHz range, test was performed on the maximum power mode.

```
Project No: 2603R33379E-RF
    Tester: Peter Rong
 Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
      Note: 2.4G Wifi b High Channel 2462MHz
```



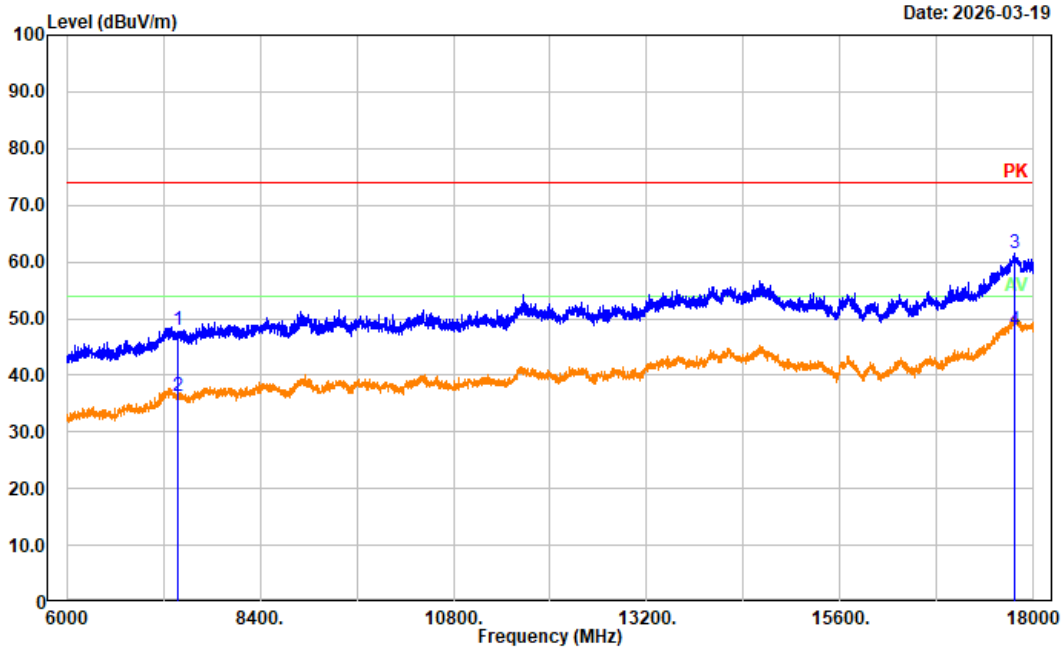
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2611.000	50.58	-1.62	48.96	74.00	25.04	Peak
2	4924.000	37.54	4.90	42.44	74.00	31.56	Peak

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 2.4G Wifi b High Channel 2462MHz



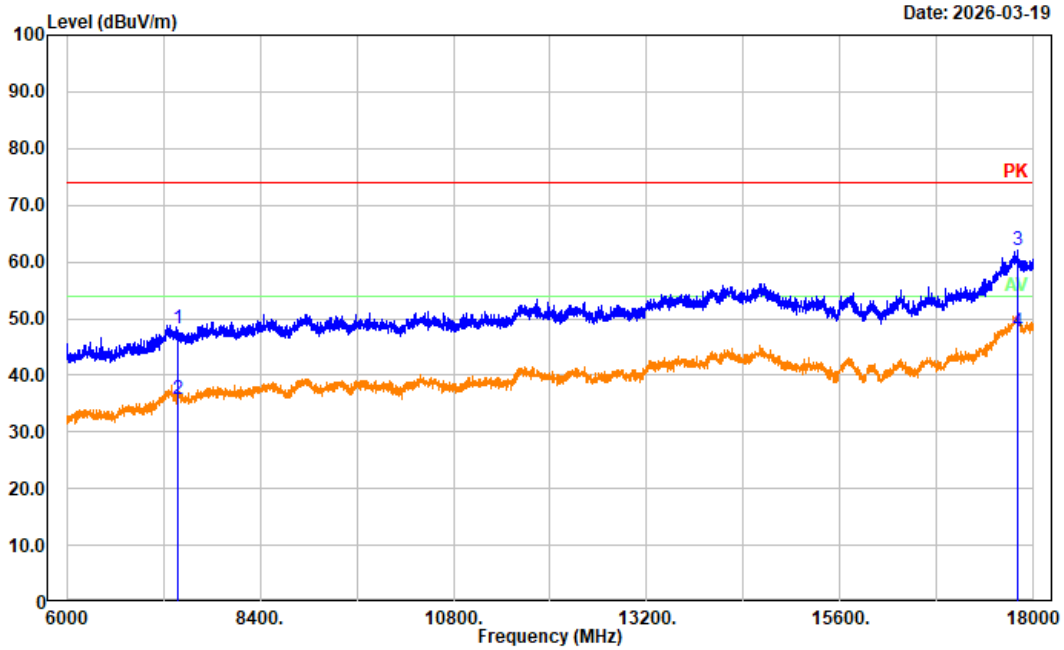
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2611.000	53.35	-1.62	51.73	74.00	22.27	Peak
2	4924.000	38.63	4.90	43.53	74.00	30.47	Peak

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: horizontal
Note: 2.4G Wifi b High Channel 2462MHz



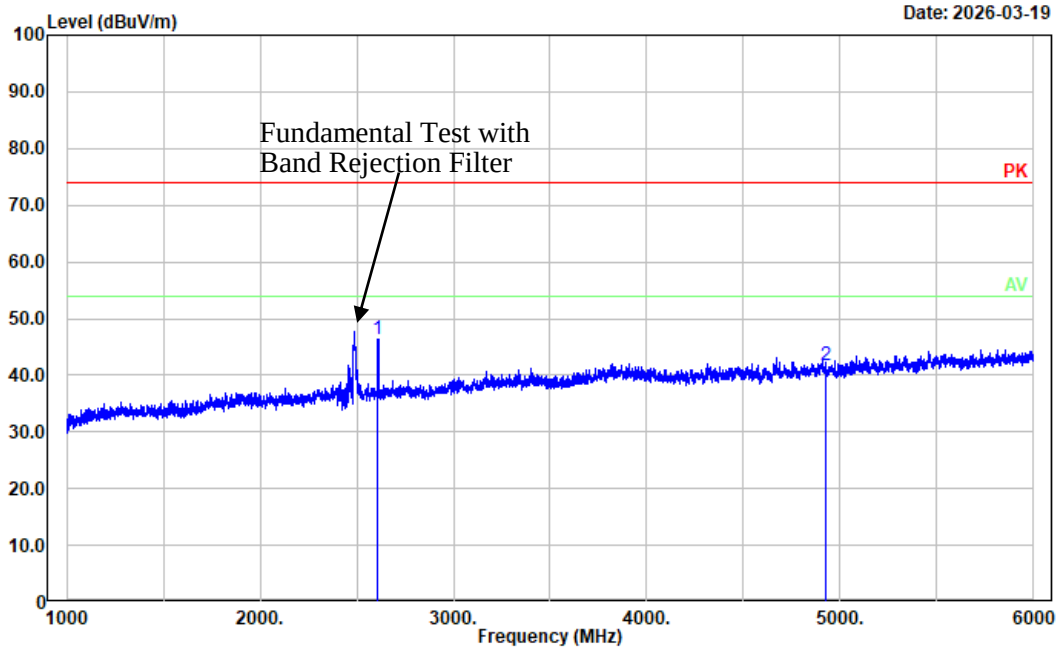
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7386.000	37.15	10.75	47.90	74.00	26.10	Peak
2	7386.000	25.64	10.75	36.39	54.00	17.61	Average
3	17755.200	40.24	21.20	61.44	74.00	12.56	Peak
4	17755.200	26.68	21.20	47.88	54.00	6.12	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: vertical
Note: 2.4G Wifi b High Channel 2462MHz



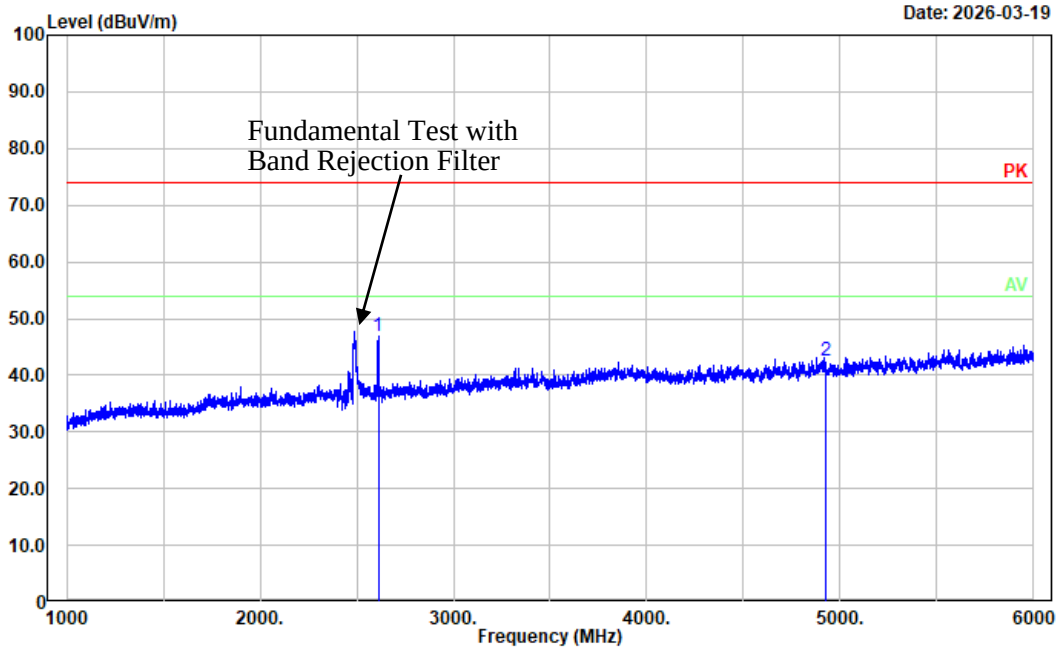
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7386.000	37.49	10.75	48.24	74.00	25.76	Peak
2	7386.000	25.06	10.75	35.81	54.00	18.19	Average
3	17798.400	40.64	21.35	61.99	74.00	12.01	Peak
4	17798.400	26.41	21.35	47.76	54.00	6.24	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: 2.4G Wifi g High Channel 2462MHz



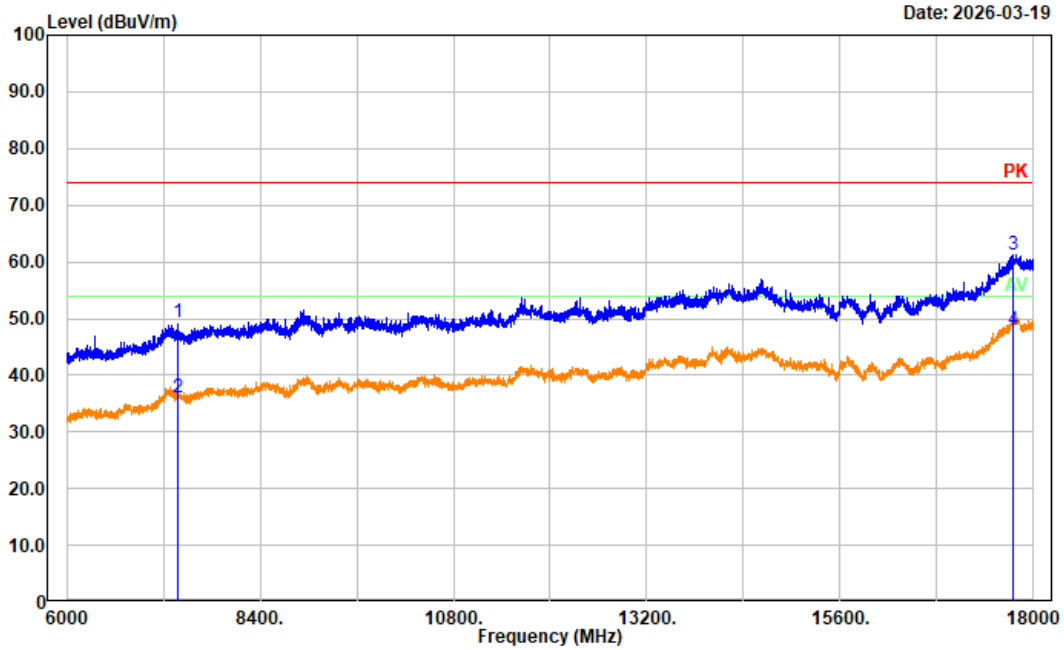
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2610.000	47.89	-1.62	46.27	74.00	27.73	Peak
2	4924.000	36.74	4.90	41.64	74.00	32.36	Peak

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 2.4G Wifi g High Channel 2462MHz



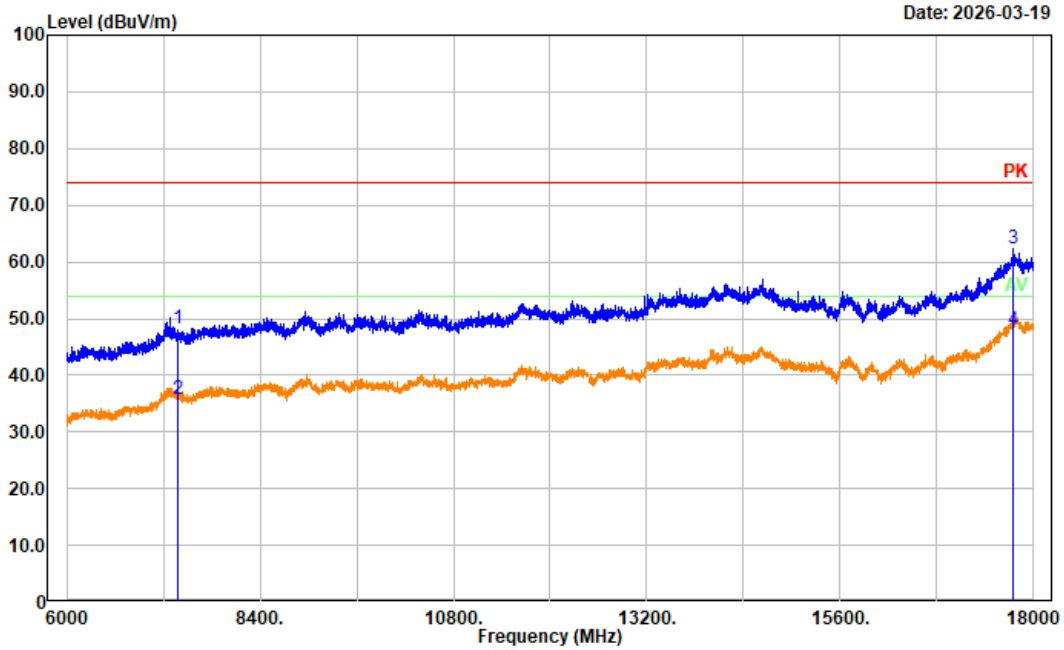
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2611.000	48.40	-1.62	46.78	74.00	27.22	Peak
2	4924.000	37.59	4.90	42.49	74.00	31.51	Peak

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: horizontal
Note: 2.4G Wifi g High Channel 2462MHz



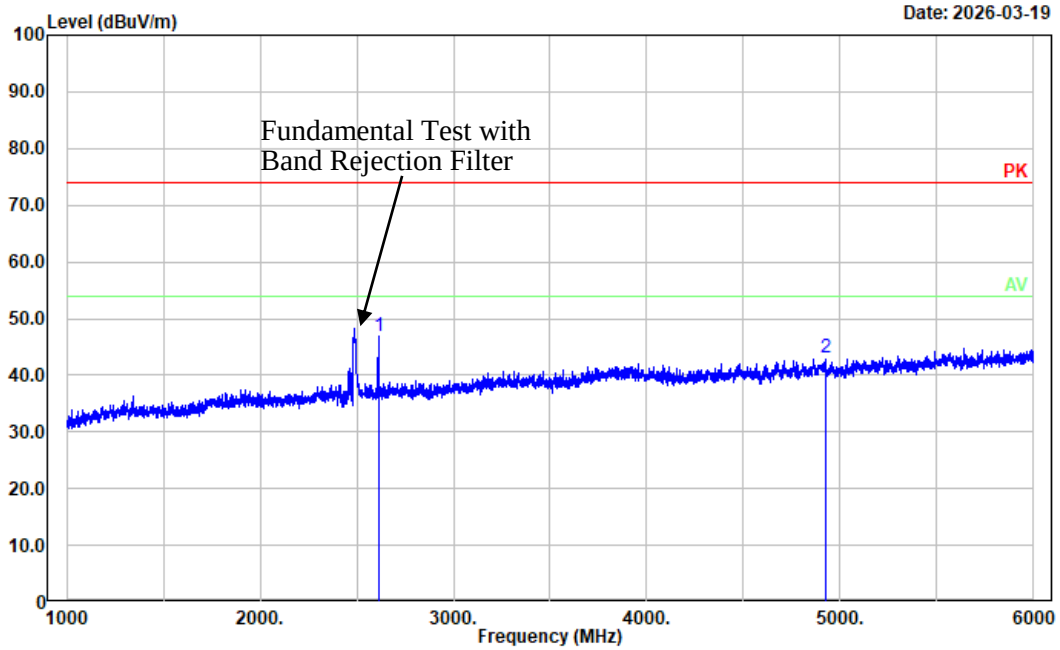
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7386.000	38.54	10.75	49.29	74.00	24.71	Peak
2	7386.000	25.36	10.75	36.11	54.00	17.89	Average
3	17745.600	40.17	21.17	61.34	74.00	12.66	Peak
4	17745.600	26.68	21.17	47.85	54.00	6.15	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: vertical
Note: 2.4G Wifi g High Channel 2462MHz



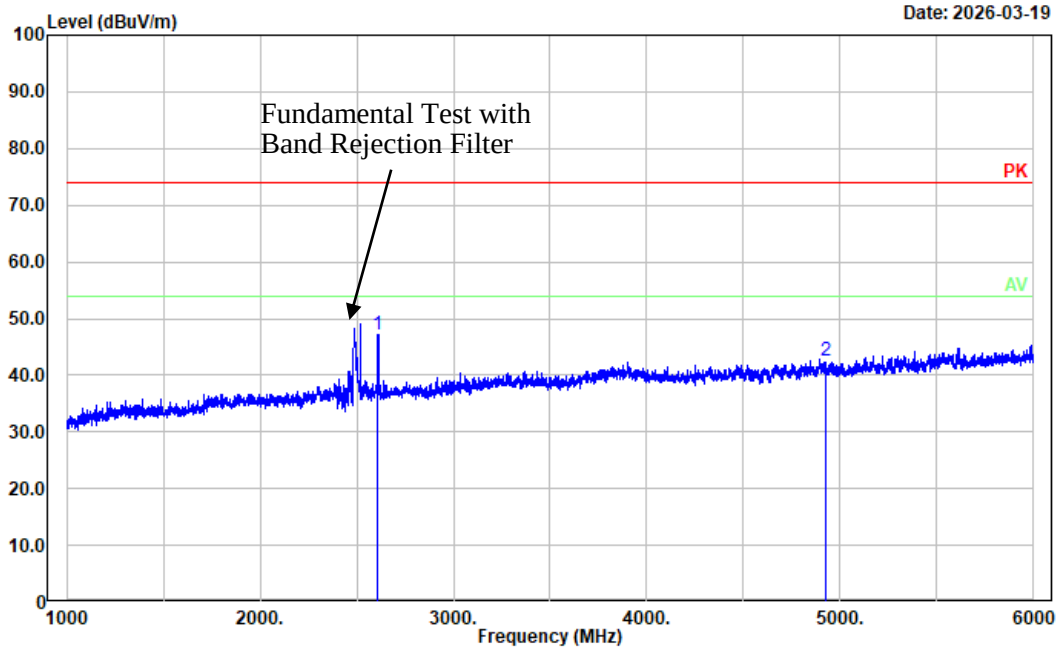
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7386.000	37.58	10.75	48.33	74.00	25.67	Peak
2	7386.000	25.12	10.75	35.87	54.00	18.13	Average
3	17740.800	41.19	21.15	62.34	74.00	11.66	Peak
4	17740.800	26.72	21.15	47.87	54.00	6.13	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: 2.4G Wifi n20 High Channel 2462MHz



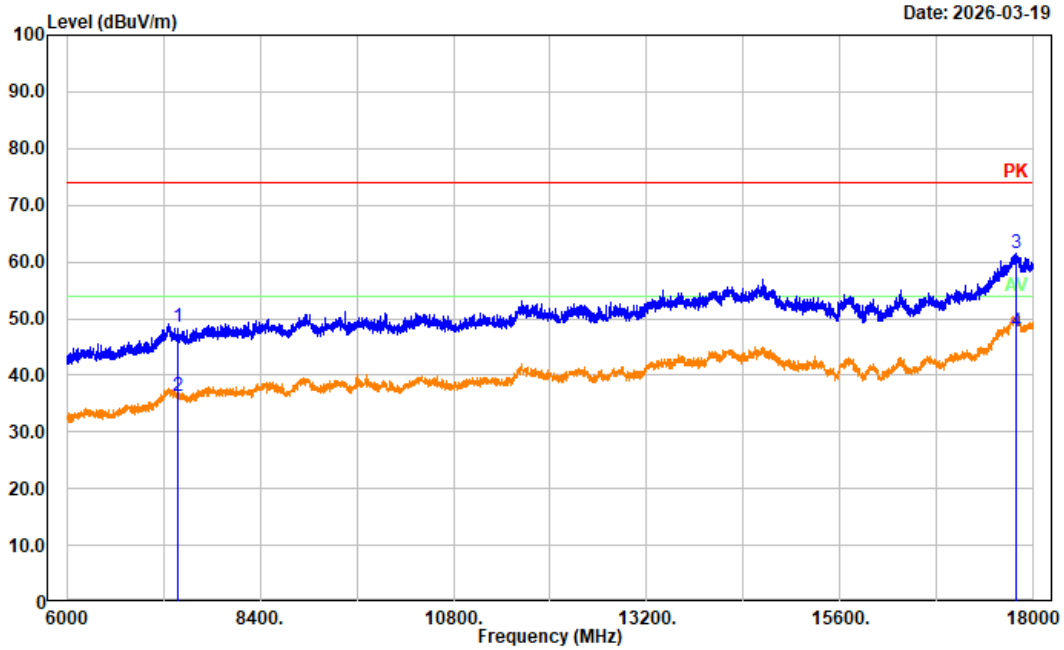
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2612.000	48.47	-1.61	46.86	74.00	27.14	Peak
2	4924.000	38.13	4.90	43.03	74.00	30.97	Peak

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 2.4G Wifi n20 High Channel 2462MHz



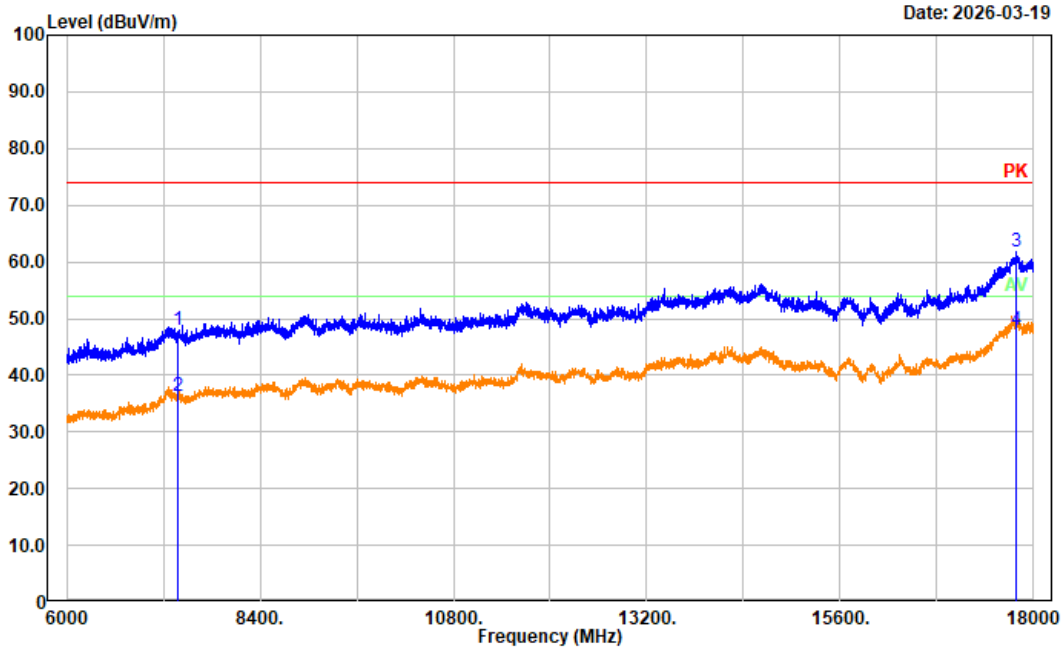
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2610.000	48.89	-1.62	47.27	74.00	26.73	Peak
2	4924.000	37.63	4.90	42.53	74.00	31.47	Peak

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: horizontal
Note: 2.4G Wifi n20 High Channel 2462MHz



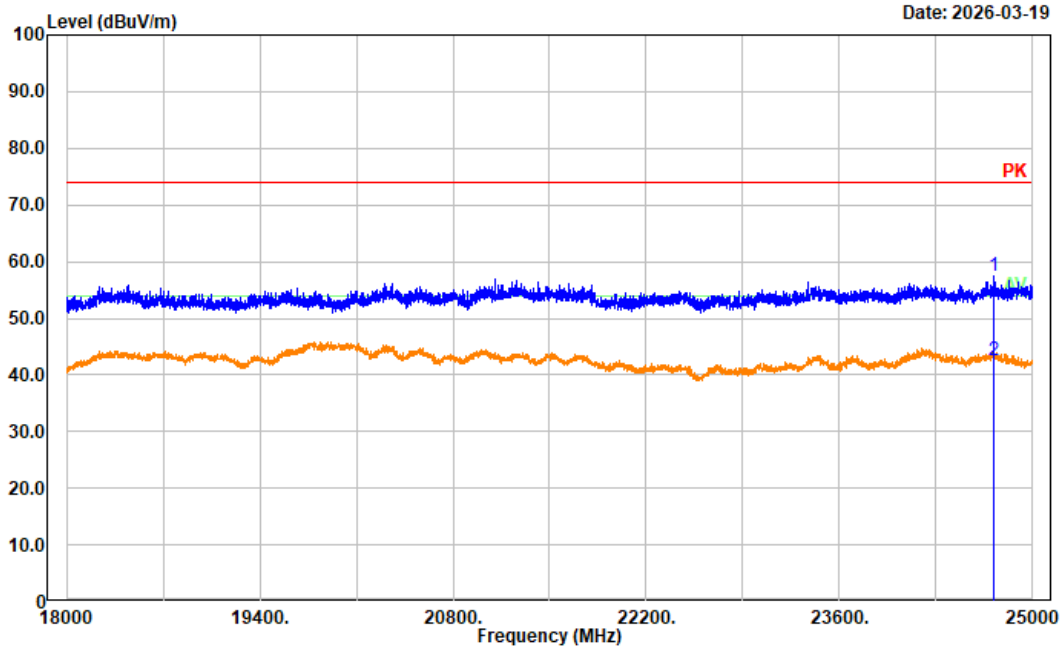
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7386.000	37.89	10.75	48.64	74.00	25.36	Peak
2	7386.000	25.51	10.75	36.26	54.00	17.74	Average
3	17774.400	40.22	21.26	61.48	74.00	12.52	Peak
4	17774.400	26.51	21.26	47.77	54.00	6.23	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: vertical
Note: 2.4G Wifi n20 High Channel 2462MHz



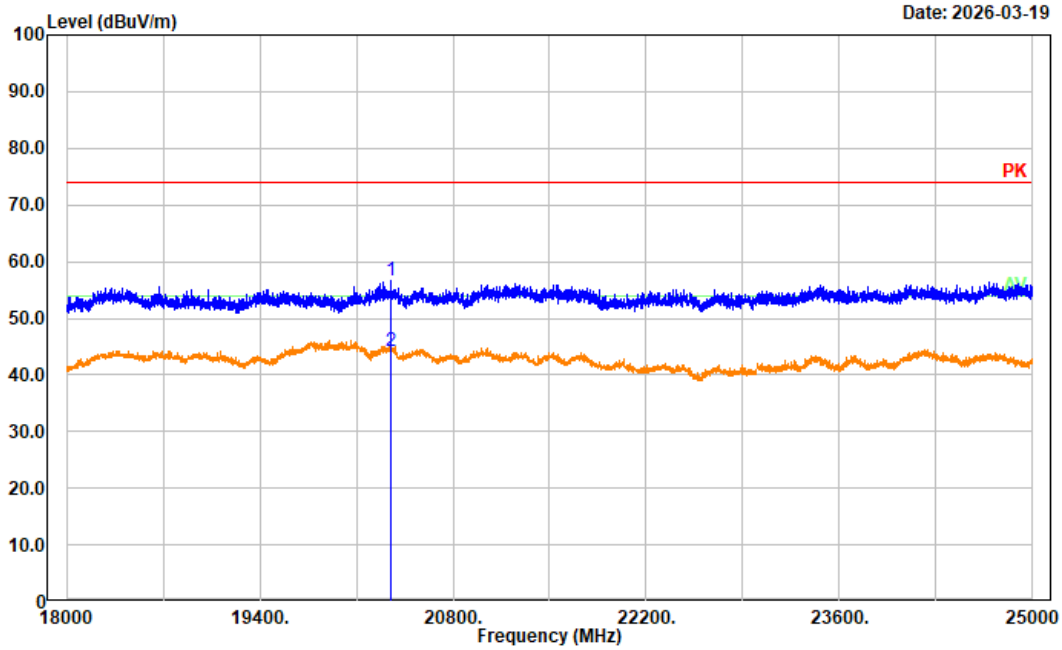
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7386.000	37.11	10.75	47.86	74.00	26.14	Peak
2	7386.000	25.45	10.75	36.20	54.00	17.80	Average
3	17786.400	40.59	21.30	61.89	74.00	12.11	Peak
4	17786.400	26.54	21.30	47.84	54.00	6.16	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Horizontal
Note: 2.4G Wifi g High Channel 2462MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	24717.200	52.07	5.48	57.55	74.00	16.45	Peak
2	24717.200	37.15	5.48	42.63	54.00	11.37	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Vertical
Note: 2.4G Wifi g High Channel 2462MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	20349.200	49.43	7.13	56.56	74.00	17.44	Peak
2	20349.200	37.12	7.13	44.25	54.00	9.75	Average

Band edge test plots

```
Project No: 2603R33379E-RF
    Tester: Peter Rong
 Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Horizontal
      Note: 2.4G WiFi b Low Channel 2412MHz
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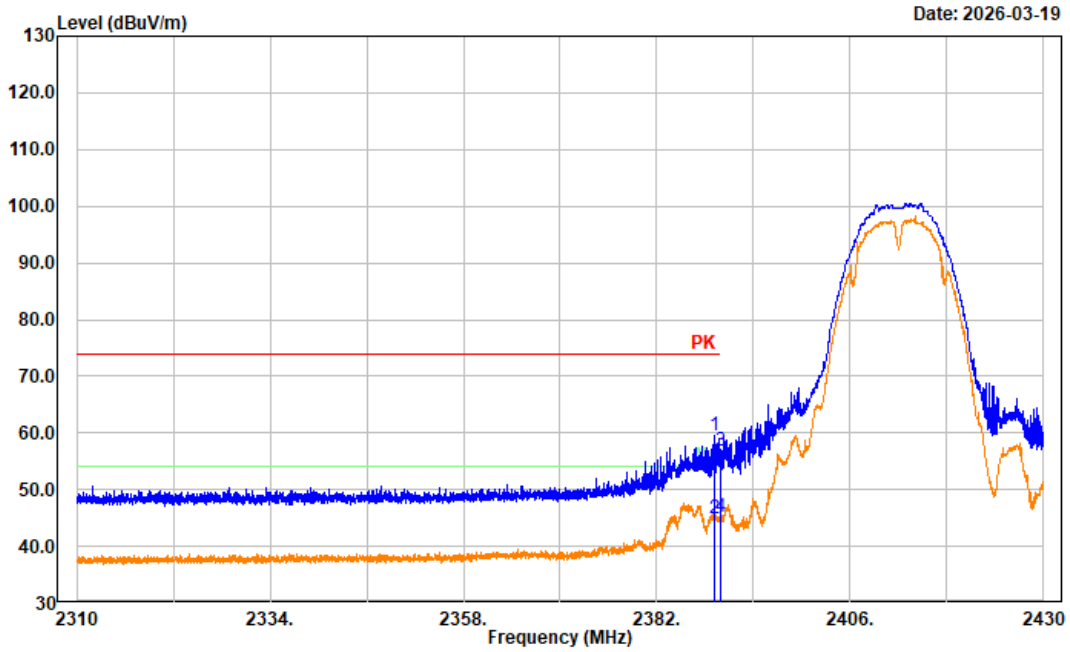
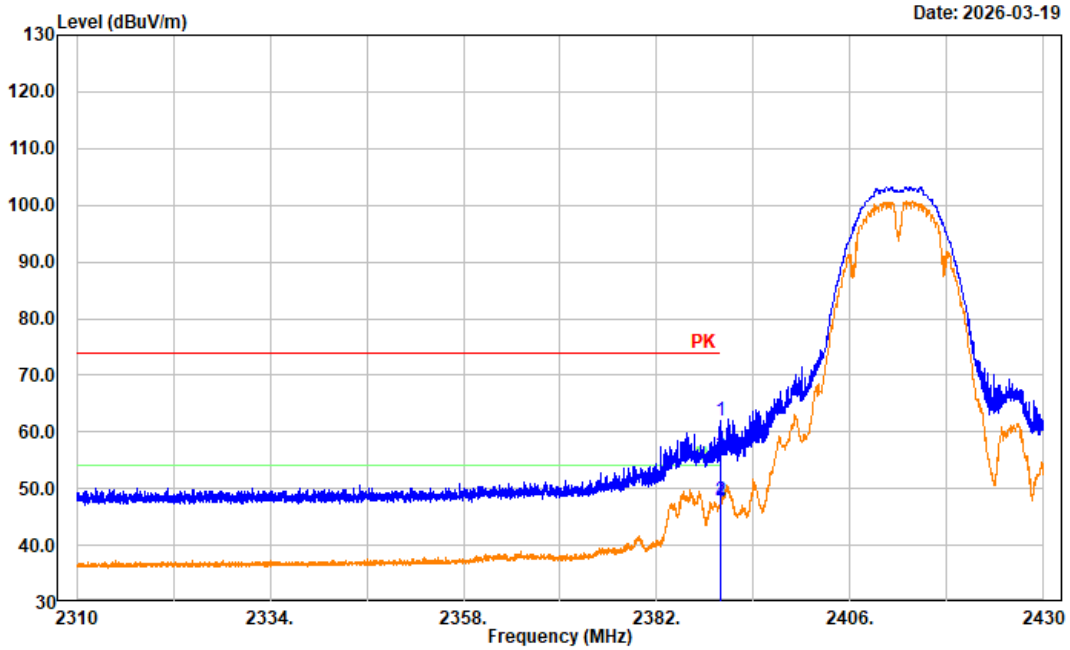


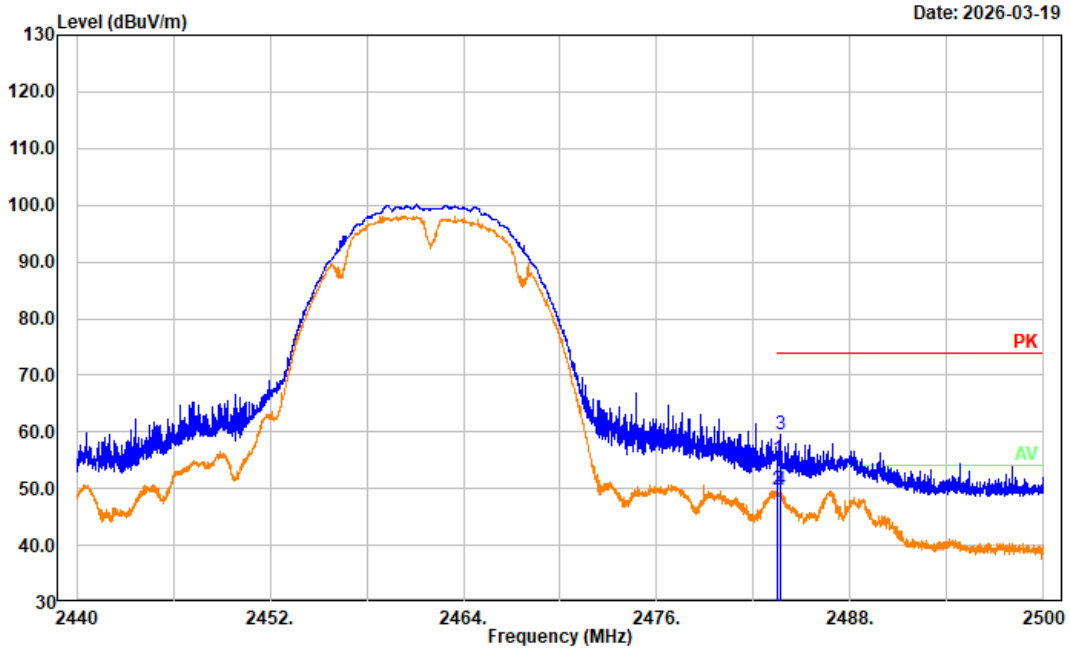
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2389.152	61.69	-2.13	59.56	74.00	14.44	Peak
2	2389.152	46.90	-2.13	44.77	54.00	9.23	Average
3	2390.000	58.98	-2.13	56.85	74.00	17.15	Peak
4	2390.000	47.36	-2.13	45.23	54.00	8.77	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: vertical
Note: 2.4G WiFi b Low Channel 2412MHz



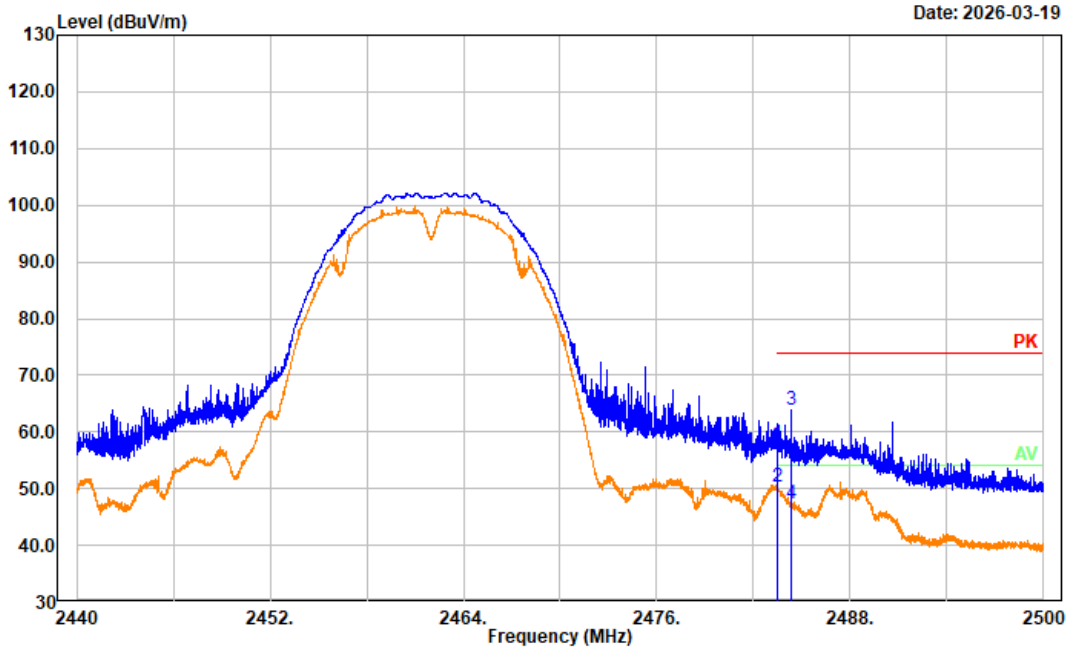
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2389.896	63.98	-2.13	61.85	74.00	12.15	Peak
2	2389.896	50.00	-2.13	47.87	54.00	6.13	Average
3	2390.000	57.85	-2.13	55.72	74.00	18.28	Peak
4	2390.000	49.71	-2.13	47.58	54.00	6.42	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Horizontal
Note: 2.4G WiFi b High Channel 2462MHz



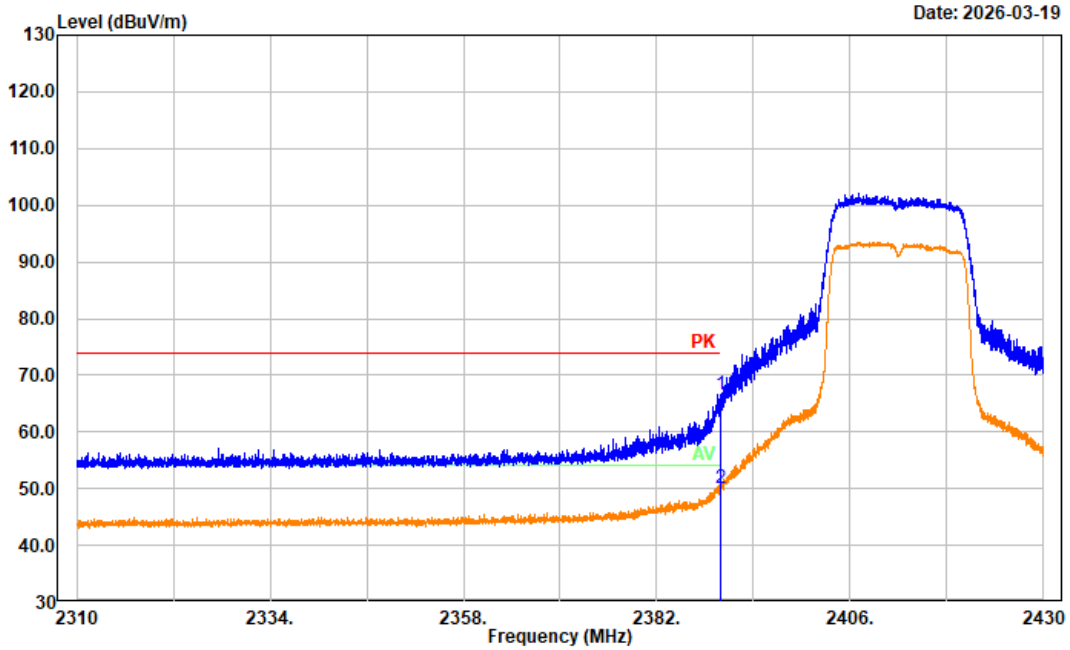
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	57.43	-2.17	55.26	74.00	18.74	Peak
2	2483.500	51.95	-2.17	49.78	54.00	4.22	Average
3	2483.704	61.83	-2.17	59.66	74.00	14.34	Peak
4	2483.704	51.84	-2.17	49.67	54.00	4.33	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: vertical
Note: 2.4G WiFi b High Channel 2462MHz



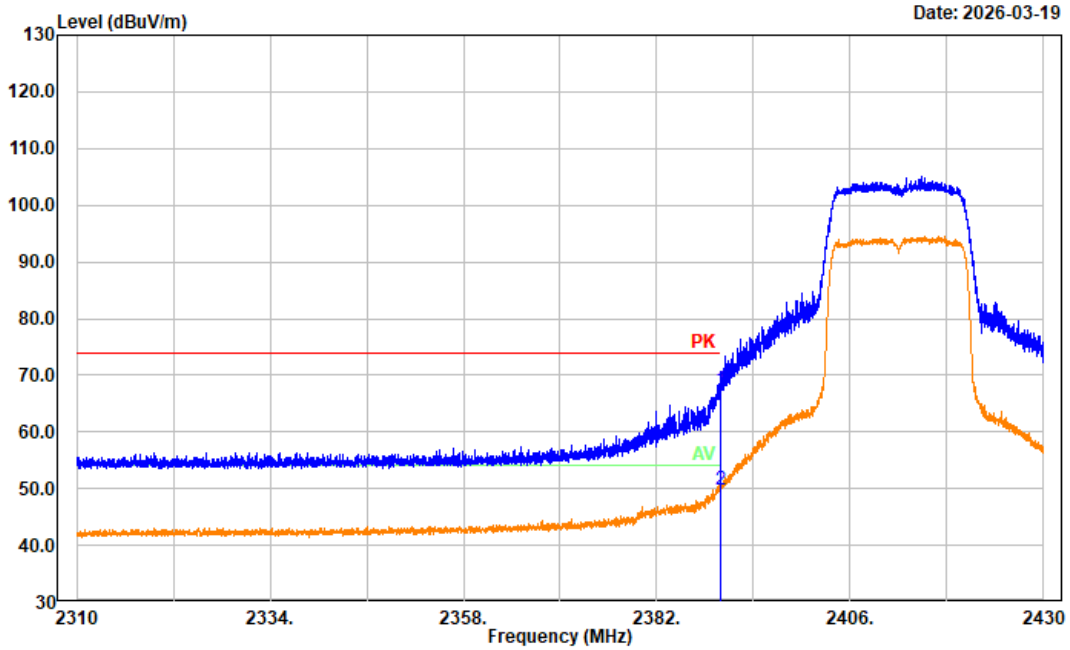
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	60.15	-2.17	57.98	74.00	16.02	Peak
2	2483.500	52.62	-2.17	50.45	54.00	3.55	Average
3	2484.352	65.93	-2.17	63.76	74.00	10.24	Peak
4	2484.352	49.40	-2.17	47.23	54.00	6.77	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Horizontal
Note: 2.4G WiFi g Low Channel 2412MHz



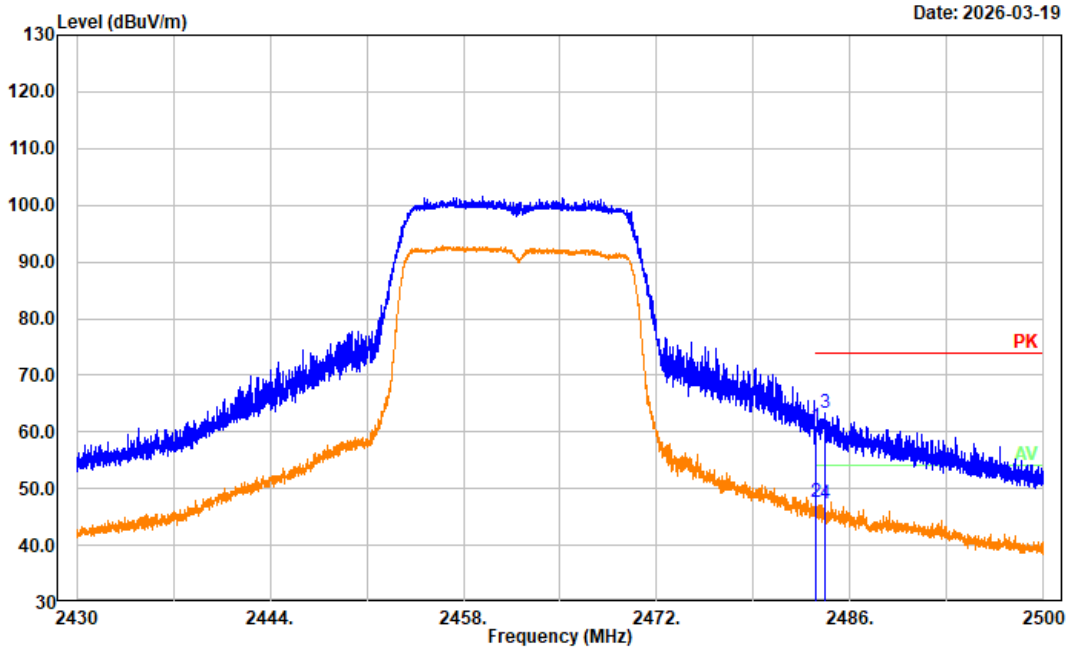
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2390.000	68.68	-2.13	66.55	74.00	7.45	Peak
2	2390.000	52.24	-2.13	50.11	54.00	3.89	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: vertical
Note: 2.4G WiFi g Low Channel 2412MHz



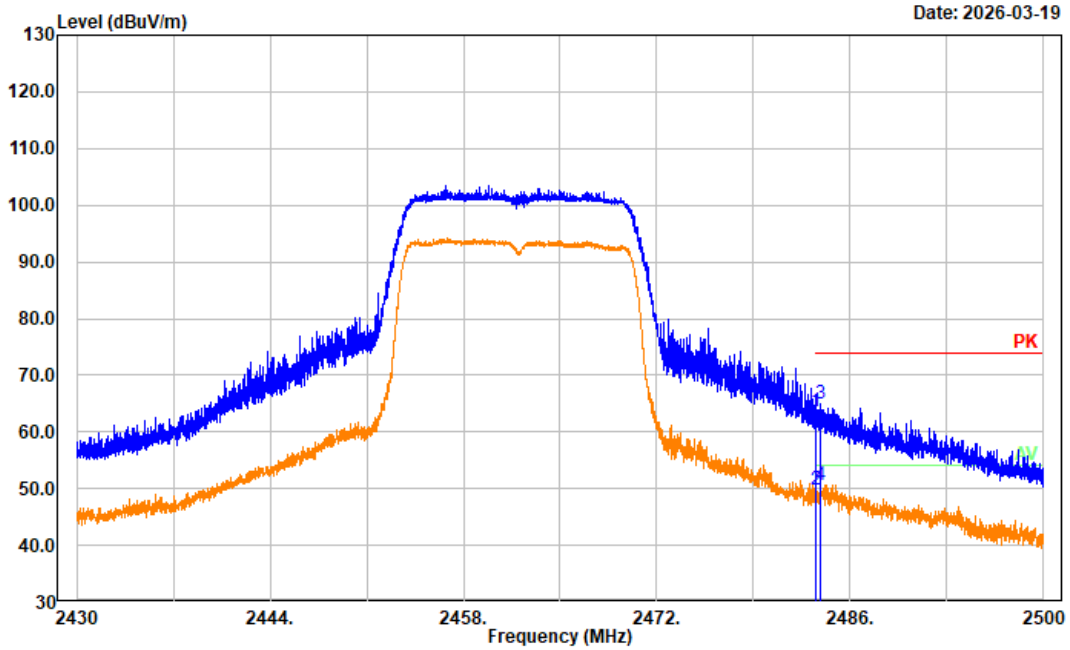
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2390.000	69.49	-2.13	67.36	74.00	6.64	Peak
2	2390.000	52.04	-2.13	49.91	54.00	4.09	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Horizontal
Note: 2.4G WiFi g High Channel 2462MHz



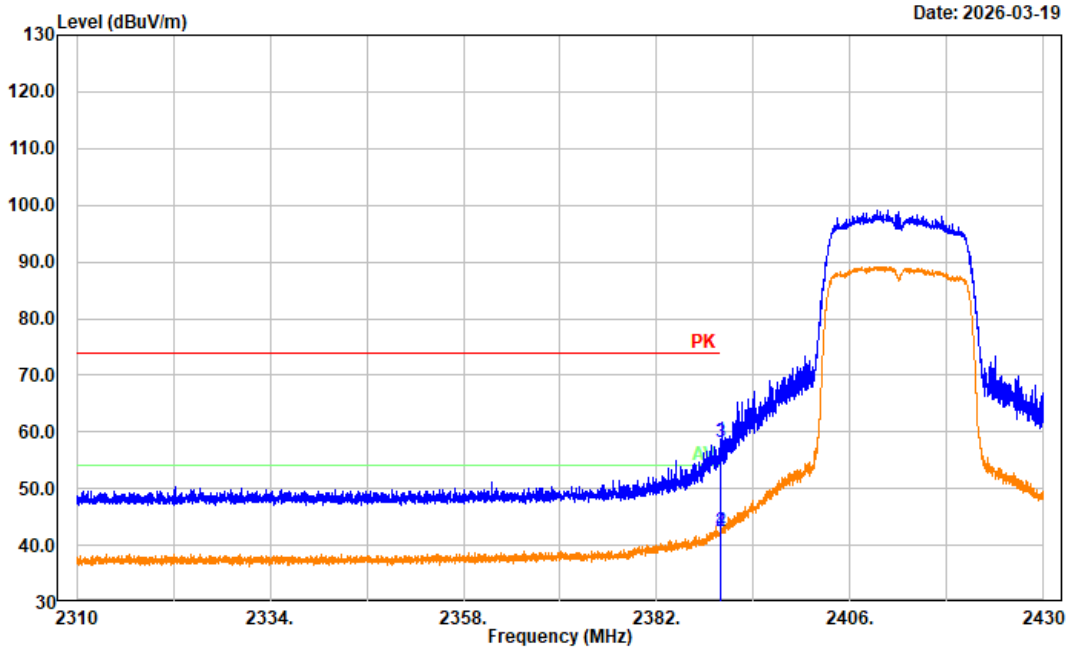
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	62.95	-2.17	60.78	74.00	13.22	Peak
2	2483.500	49.75	-2.17	47.58	54.00	6.42	Average
3	2484.222	65.42	-2.17	63.25	74.00	10.75	Peak
4	2484.222	49.43	-2.17	47.26	54.00	6.74	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Vertical
Note: 2.4G WiFi g High Channel 2462MHz



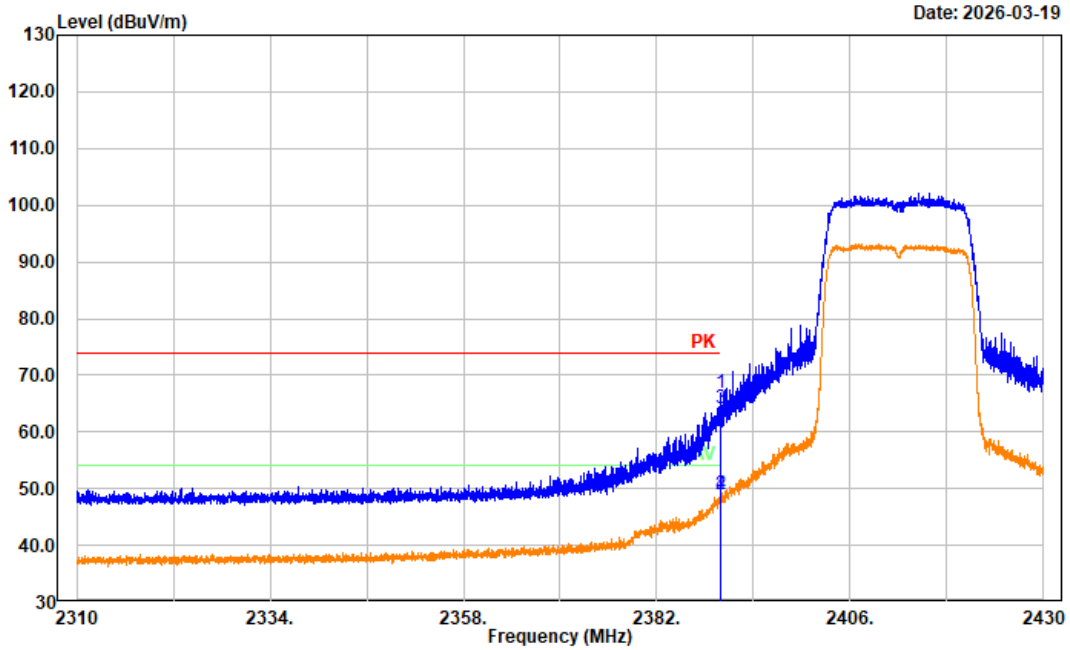
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	65.66	-2.17	63.49	74.00	10.51	Peak
2	2483.500	52.04	-2.17	49.87	54.00	4.13	Average
3	2483.858	67.15	-2.17	64.98	74.00	9.02	Peak
4	2483.858	52.90	-2.17	50.73	54.00	3.27	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Horizontal
Note: 2.4G WiFi n20 Low Channel 2412MHz



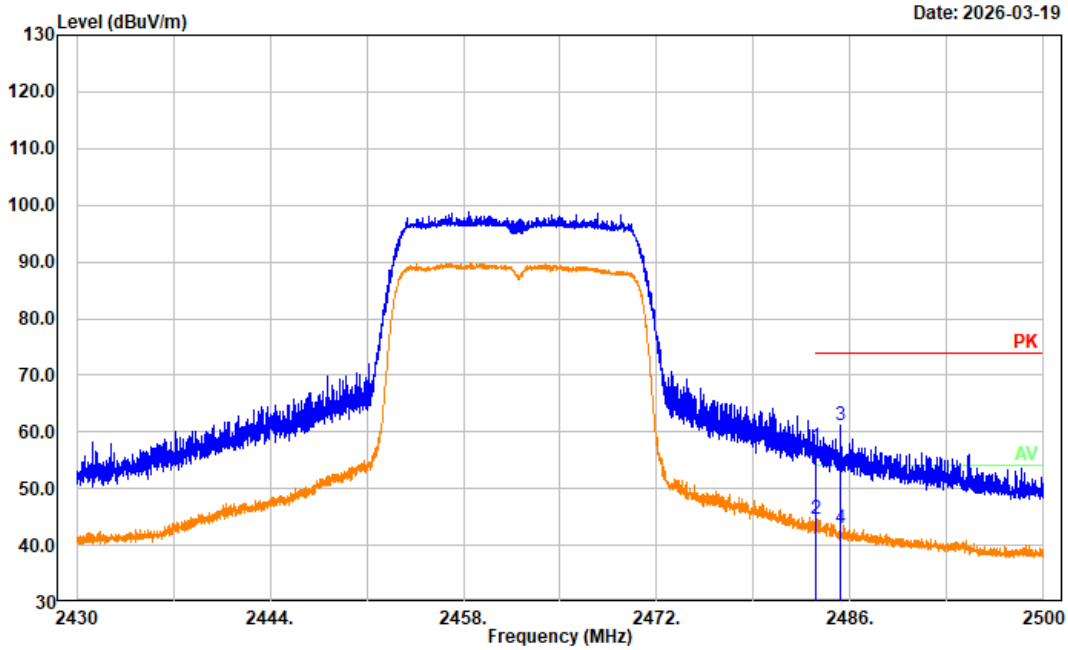
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2389.872	60.69	-2.13	58.56	74.00	15.44	Peak
2	2389.872	44.70	-2.13	42.57	54.00	11.43	Average
3	2390.000	60.33	-2.13	58.20	74.00	15.80	Peak
4	2390.000	44.49	-2.13	42.36	54.00	11.64	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Vertical
Note: 2.4G WiFi n20 Low Channel 2412MHz



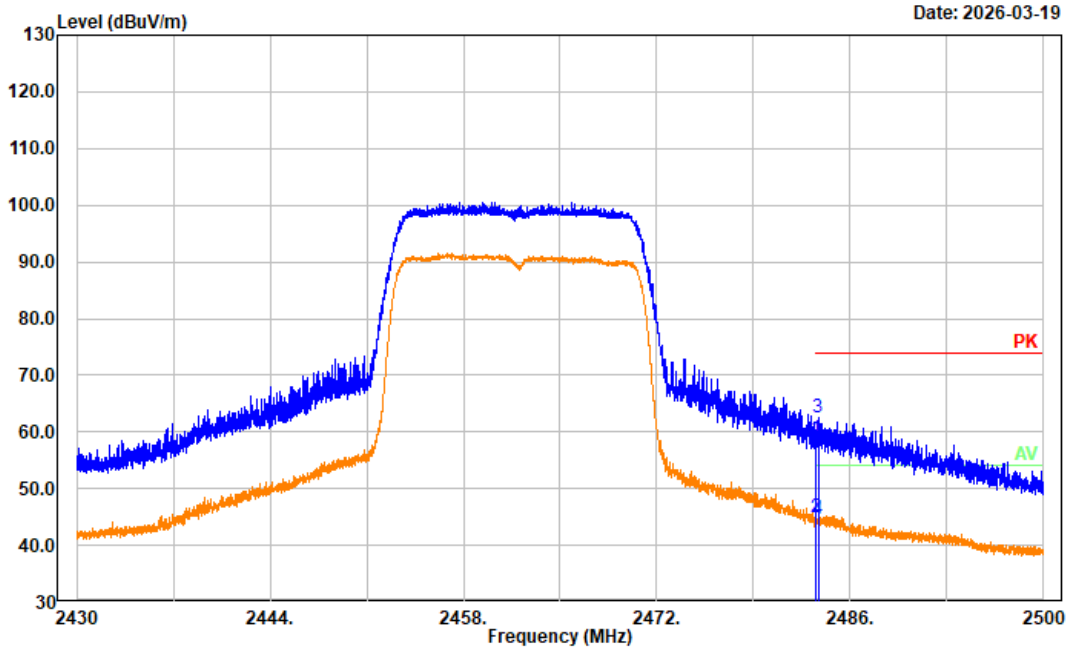
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2389.920	68.91	-2.13	66.78	74.00	7.22	Peak
2	2389.920	51.05	-2.13	48.92	54.00	5.08	Average
3	2390.000	66.31	-2.13	64.18	74.00	9.82	Peak
4	2390.000	51.07	-2.13	48.94	54.00	5.06	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Horizontal
Note: 2.4G WiFi n20 High Channel 2462MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	59.66	-2.17	57.49	74.00	16.51	Peak
2	2483.500	46.68	-2.17	44.51	54.00	9.49	Average
3	2485.328	63.31	-2.15	61.16	74.00	12.84	Peak
4	2485.328	45.27	-2.15	43.12	54.00	10.88	Average

Project No: 2603R33379E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Vertical
Note: 2.4G WiFi n20 High Channel 2462MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	60.98	-2.17	58.81	74.00	15.19	Peak
2	2483.500	47.04	-2.17	44.87	54.00	9.13	Average
3	2483.676	64.77	-2.17	62.60	74.00	11.40	Peak
4	2483.676	46.92	-2.17	44.75	54.00	9.25	Average

4.3 6dB Emission Bandwidth

Test Information:

Sample No.:	3I1F-1	**Test Date:**	2026/03/19
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lane Sun	**Test Result:**	Pass

Environmental Conditions:

Temperature: (℃)	27.4	Relative Humidity: (%)	42	ATM Pressure: (kPa)	100.8

Test Equipment List and Details:

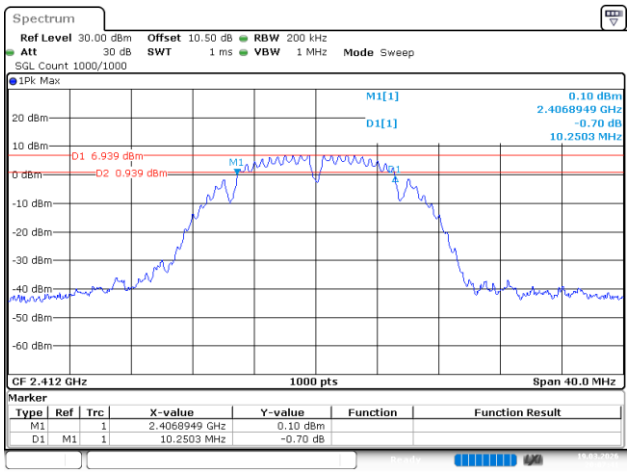
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40	101591	2025/03/31	2026/03/30

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

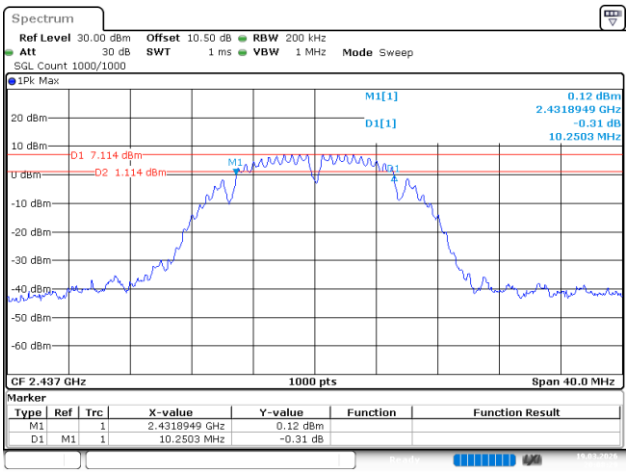
Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	10.250	≥0.5	Pass
	2437	10.250	≥0.5	Pass
	2462	10.250	≥0.5	Pass
802.11g	2412	16.537	≥0.5	Pass
	2437	16.497	≥0.5	Pass
	2462	16.497	≥0.5	Pass
802.11n20	2412	17.618	≥0.5	Pass
	2437	17.618	≥0.5	Pass
	2462	17.618	≥0.5	Pass

802.11b_2412MHz



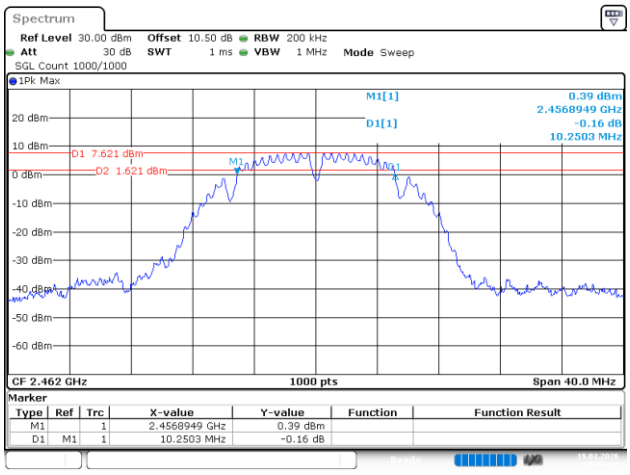
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:07:42

802.11b_2437MHz



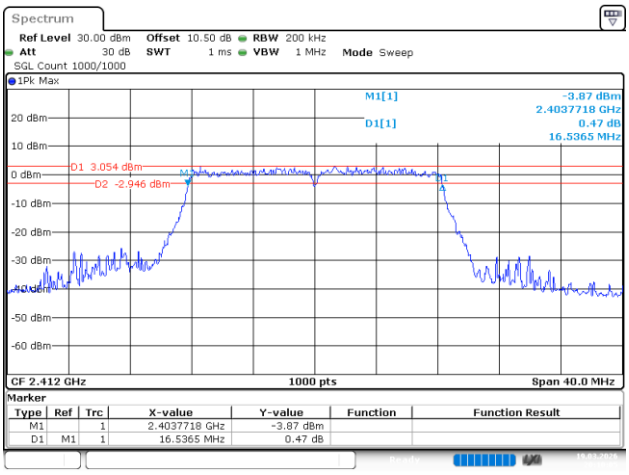
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:08:29

802.11b_2462MHz



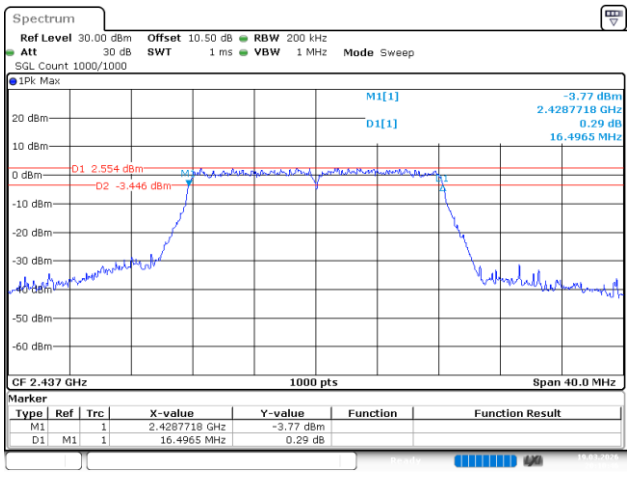
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:09:20

802.11g_2412MHz



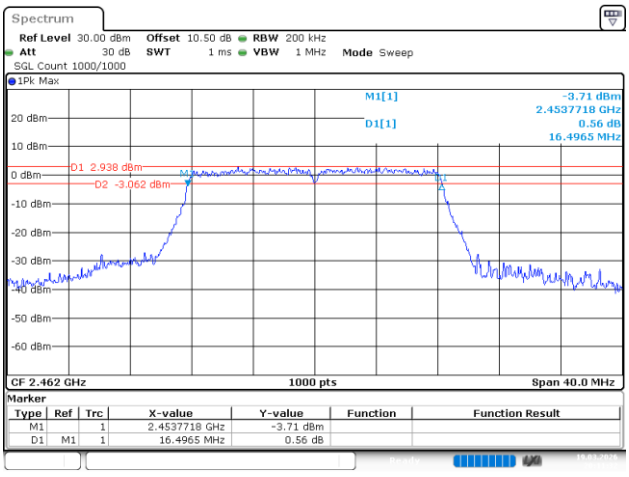
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:10:05

802.11g_2437MHz



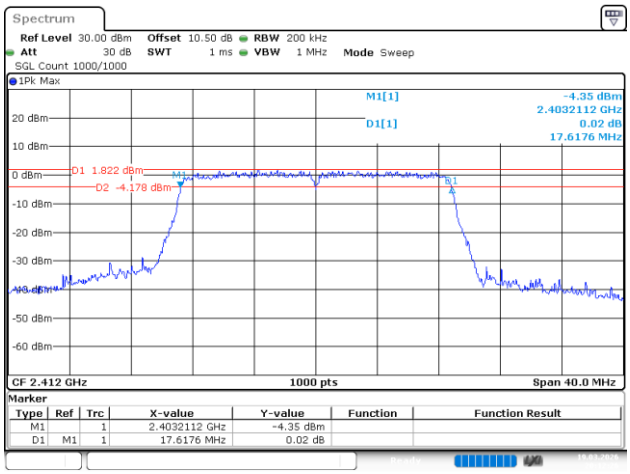
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:10:47

802.11g_2462MHz



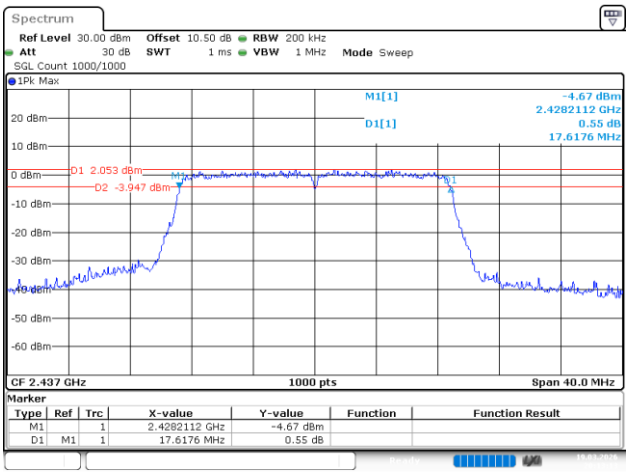
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:11:33

802.11n20_2412MHz



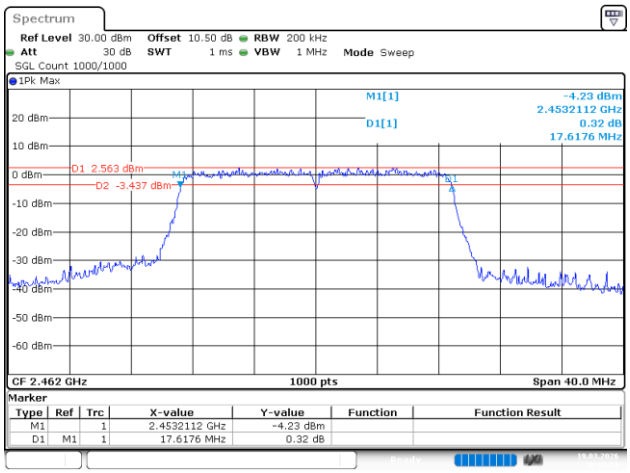
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:12:27

802.11n20_2437MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:13:14

802.11n20_2462MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:14:00

4.4 99% Occupied Bandwidth

Test Information:

Sample No.:	3I1F-1	**Test Date:**	2026/03/19
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lane Sun	**Test Result:**	N/A

Environmental Conditions:

Temperature: (℃)	27.4	Relative Humidity: (%)	42	ATM Pressure: (kPa)	100.8

Test Equipment List and Details:

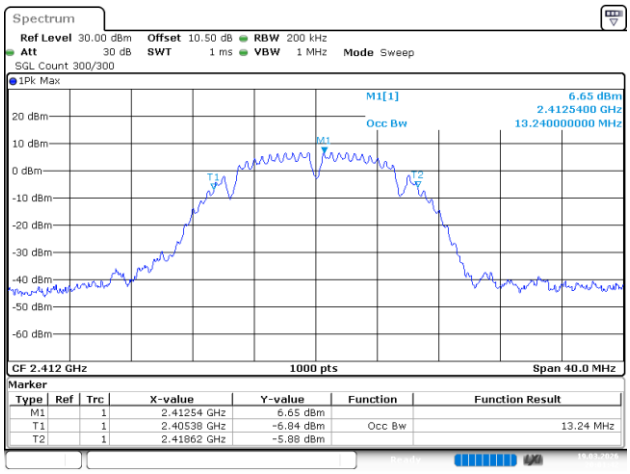
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40	101591	2025/03/31	2026/03/30

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

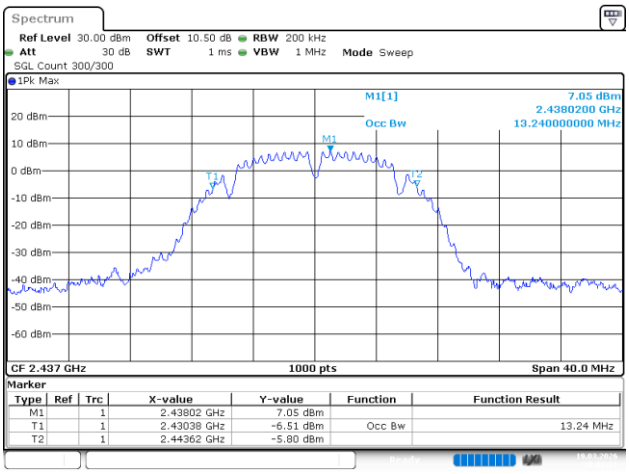
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	13.240
	2437	13.240
	2462	13.240
802.11g	2412	16.520
	2437	16.480
	2462	16.560
802.11n20	2412	17.520
	2437	17.520
	2462	17.520

802.11b_2412MHz



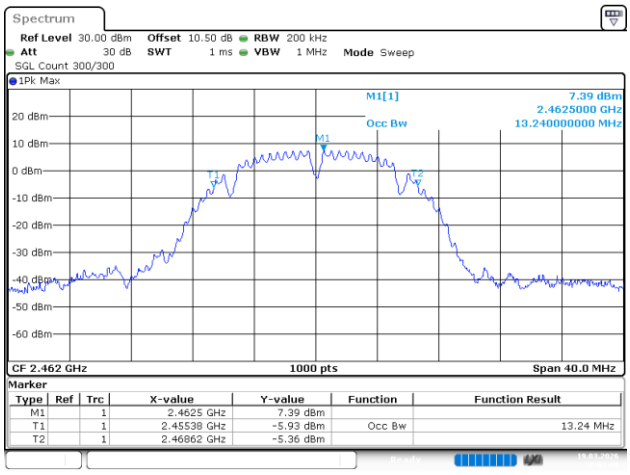
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:01:43

802.11b_2437MHz



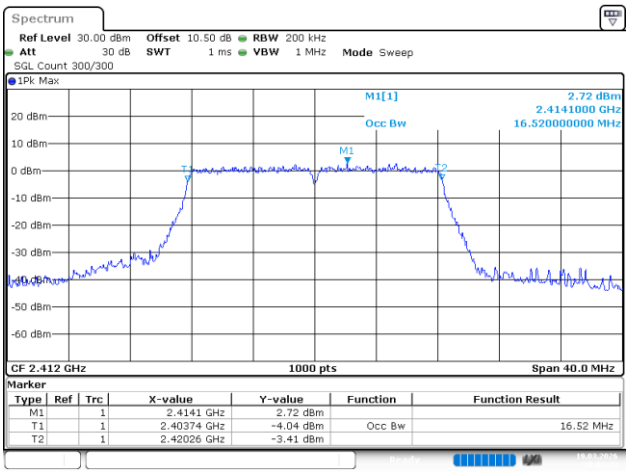
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:02:31

802.11b_2462MHz



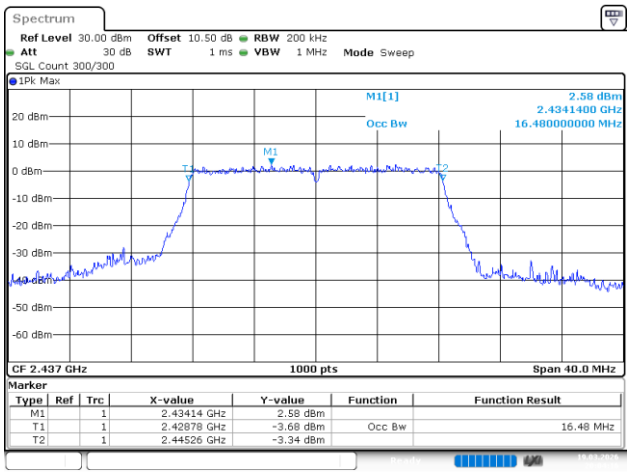
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:03:09

802.11g_2412MHz



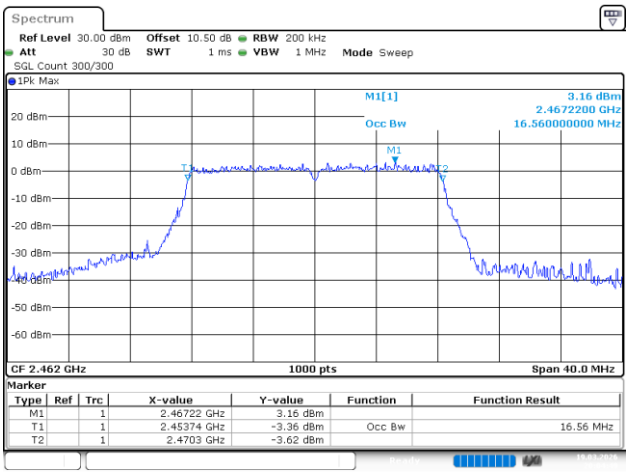
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:03:44

802.11g_2437MHz



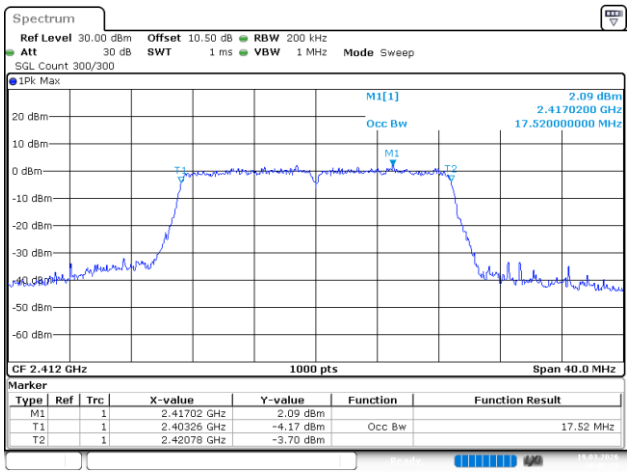
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:04:16

802.11g_2462MHz



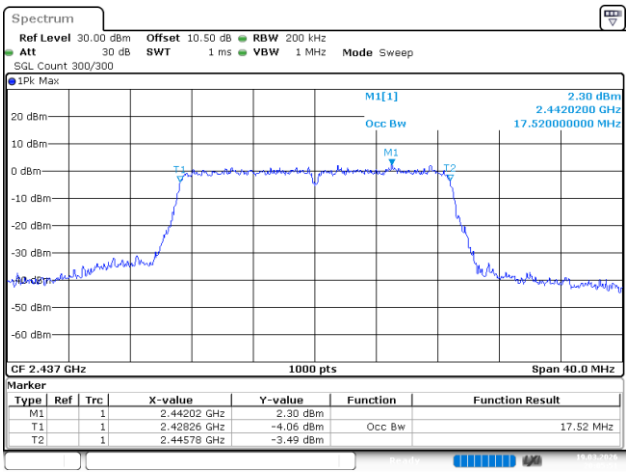
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:04:49

802.11n20_2412MHz



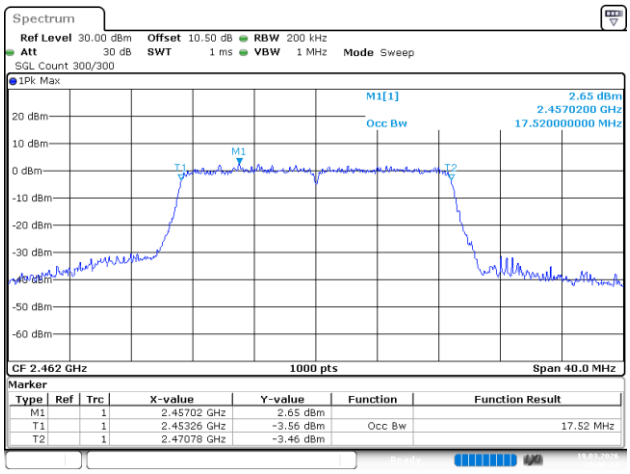
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:05:24

802.11n20_2437MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:05:52

802.11n20_2462MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:06:23

4.5 Maximum Conducted Output Power

Test Information:

Sample No.:	3I1F-1	**Test Date:**	2026/03/19
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lane Sun	**Test Result:**	Pass

Environmental Conditions:

Temperature: (℃)	27.4	Relative Humidity: (%)	42	ATM Pressure: (kPa)	100.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Anritsu	Power Meter	ML2495A	1106009	2025/08/19	2026/08/18
Anritsu	Pulse Power Sensor	MA2411A	10780	2025/08/19	2026/08/18
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	2412	18.15	15.22	30	Pass
	2437	18.17	15.21	30	Pass
	2462	18.78	15.89	30	Pass
802.11g	2412	23.73	13.00	30	Pass
	2437	23.85	13.03	30	Pass
	2462	23.98	13.48	30	Pass
802.11n20	2412	23.16	12.46	30	Pass
	2437	23.48	12.50	30	Pass
	2462	23.72	13.14	30	Pass
Max. Peak EIRP		27.51		36	Pass

4.6 Power Spectral Density

Test Information:

Sample No.:	3I1F-1	**Test Date:**	2026/03/19
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lane Sun	**Test Result:**	Pass

Environmental Conditions:

Temperature: (℃)	27.4	Relative Humidity: (%)	42	ATM Pressure: (kPa)	100.8

Test Equipment List and Details:

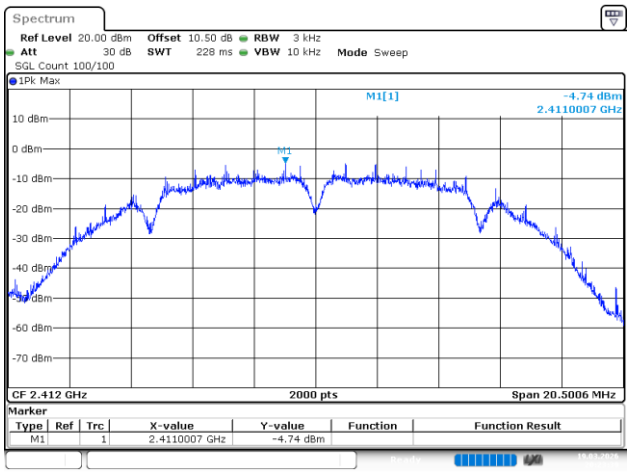
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40	101591	2025/03/31	2026/03/30

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

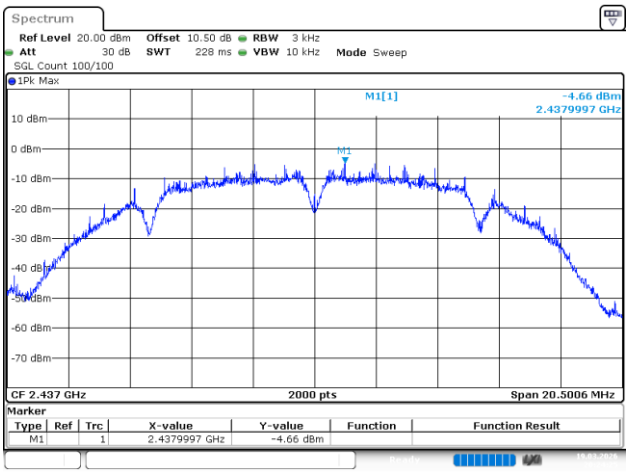
Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-4.74	8	Pass
	2437	-4.66	8	Pass
	2462	-4.09	8	Pass
802.11g	2412	-12.07	8	Pass
	2437	-11.28	8	Pass
	2462	-10.17	8	Pass
802.11n20	2412	-12.45	8	Pass
	2437	-11.31	8	Pass
	2462	-11.79	8	Pass

802.11b_2412MHz



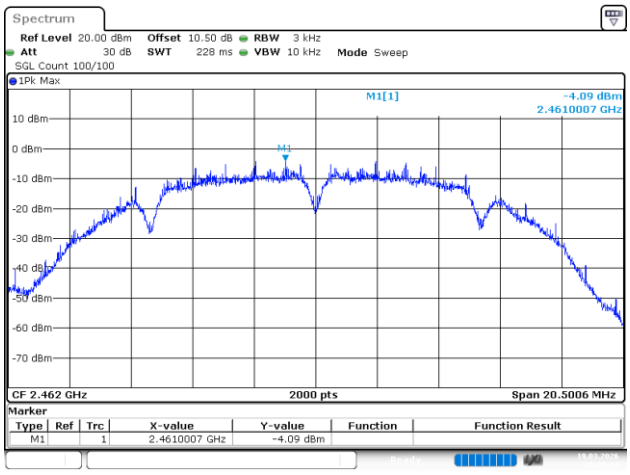
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:23:39

802.11b_2437MHz



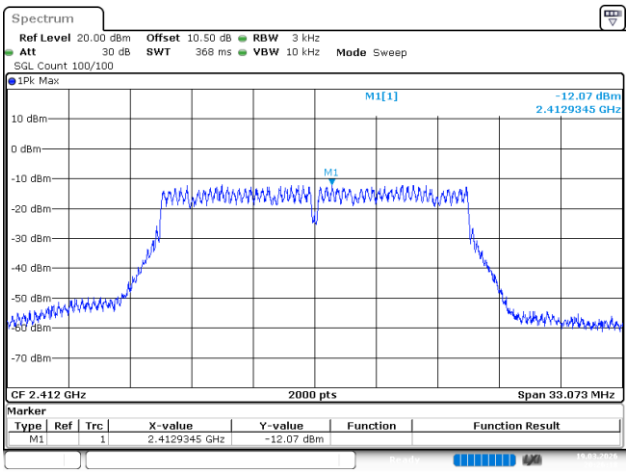
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:24:26

802.11b_2462MHz



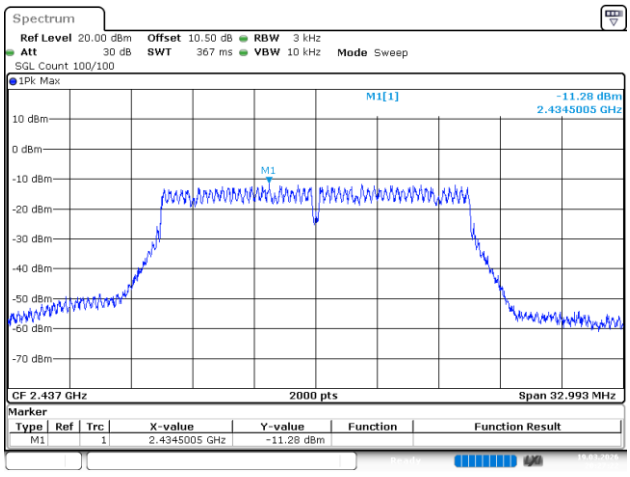
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:25:15

802.11g_2412MHz



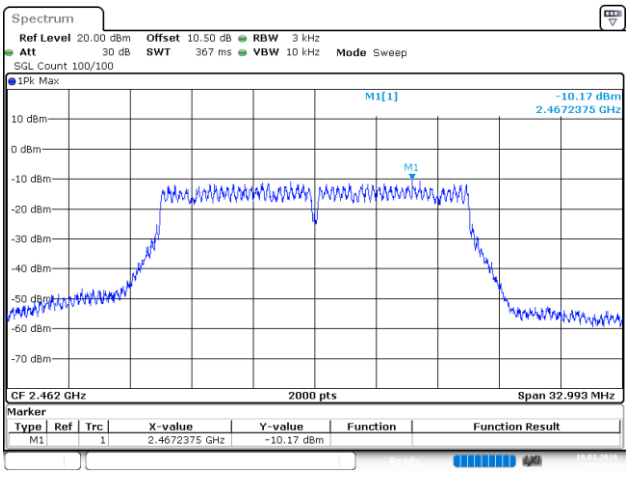
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:26:18

802.11g_2437MHz



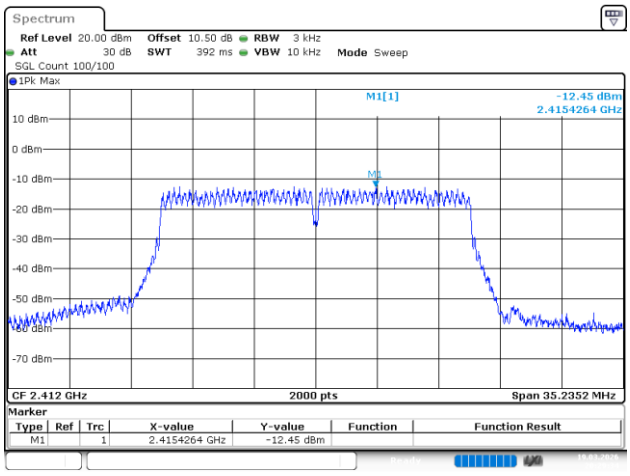
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:27:23

802.11g_2462MHz



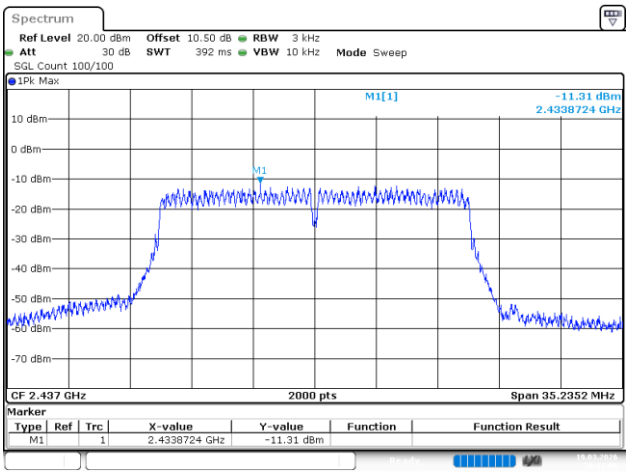
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:28:27

802.11n20_2412MHz



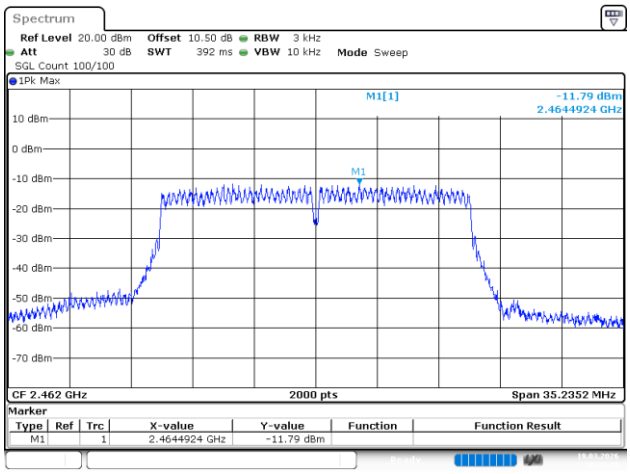
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:29:34

802.11n20_2437MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:31:06

802.11n20_2462MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 20:32:15

4.7 Conducted Spurious Emission

Test Information:

Sample No.:	3I1F-1	**Test Date:**	2026/03/19
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lane Sun	**Test Result:**	Pass

Environmental Conditions:

Temperature: (℃)	27.4	Relative Humidity: (%)	42	ATM Pressure: (kPa)	100.8

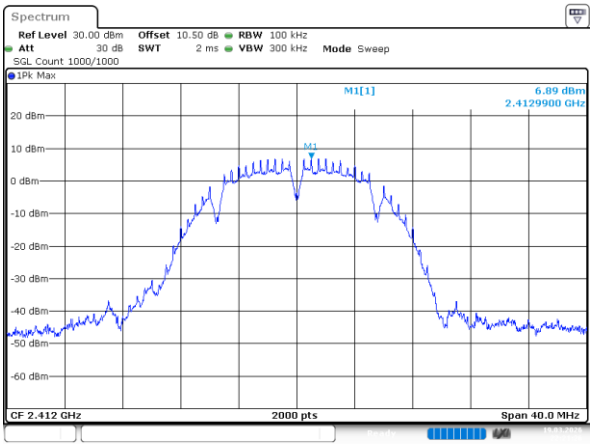
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40	101591	2025/03/31	2026/03/30

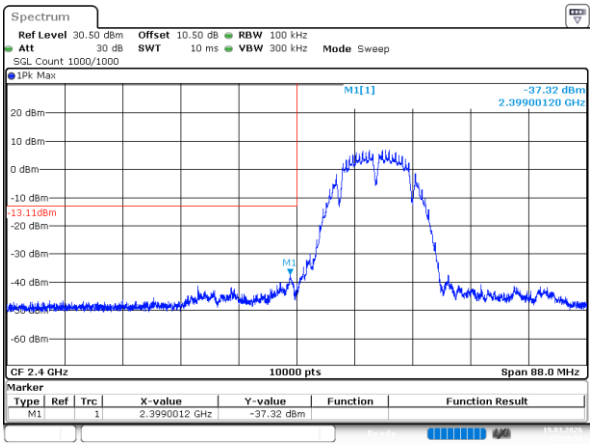
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

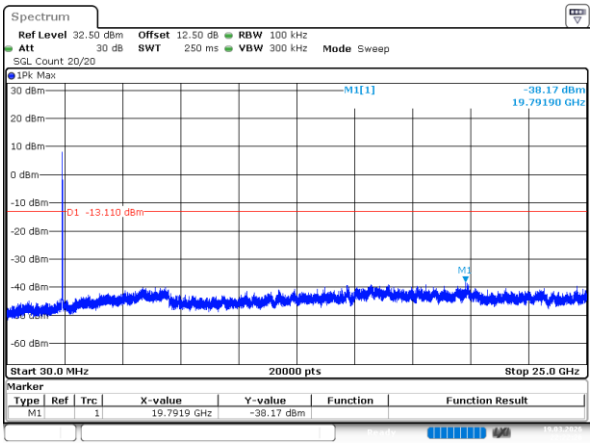
802.11b_2412MHz



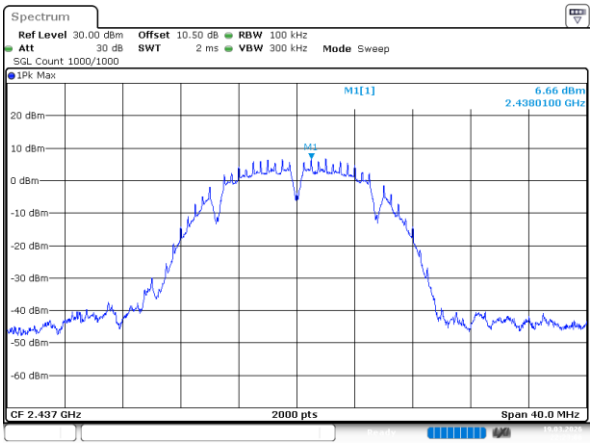
802.11b_2412MHz



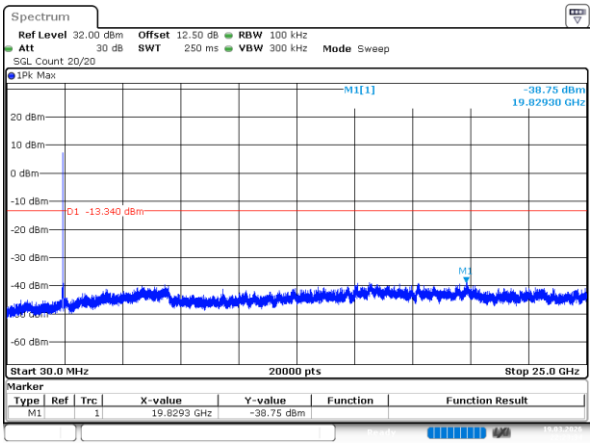
802.11b_2412MHz



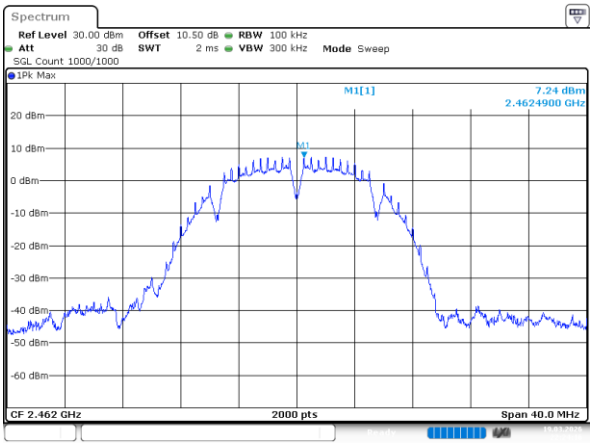
802.11b_2437MHz



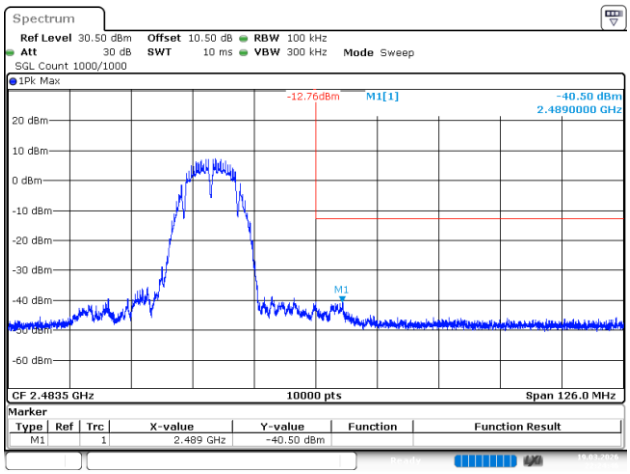
802.11b_2437MHz



802.11b_2462MHz

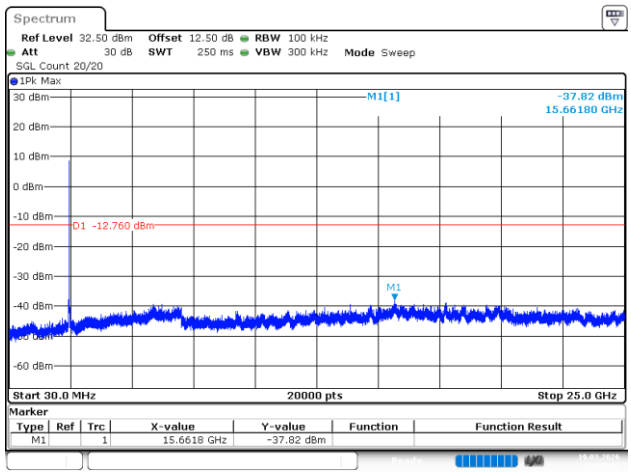


802.11b_2462MHz



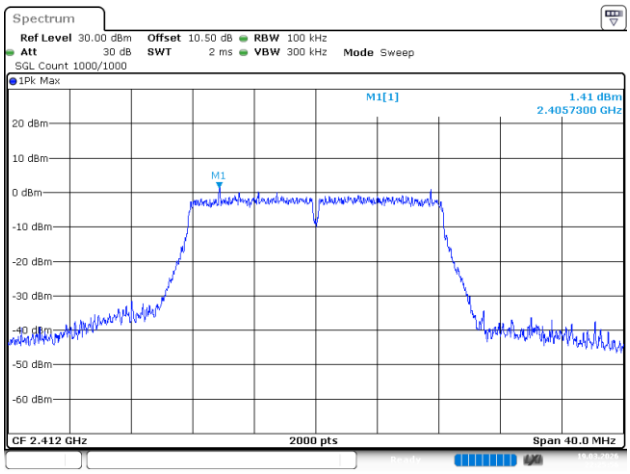
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:24:47

802.11b_2462MHz



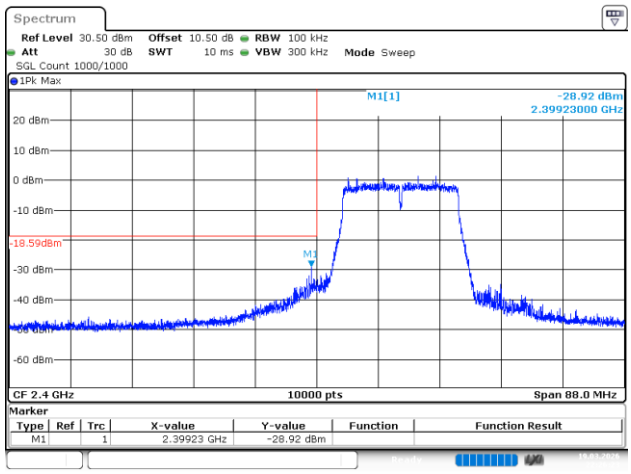
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:25:13

802.11g_2412MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:25:57

802.11g_2412MHz



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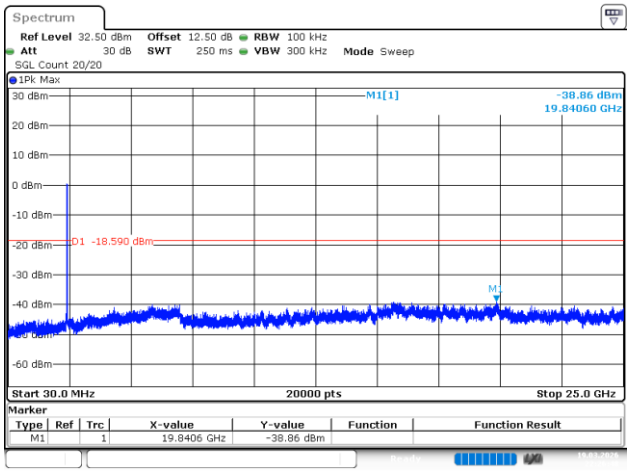
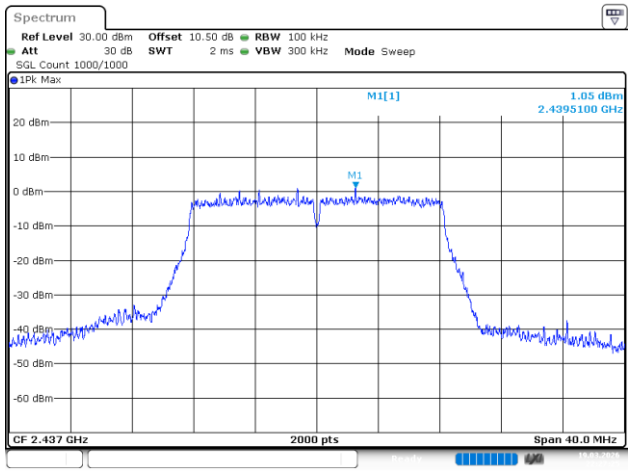
Date: 19.MAR.2026 22:26:24

802.11g_2412MHz



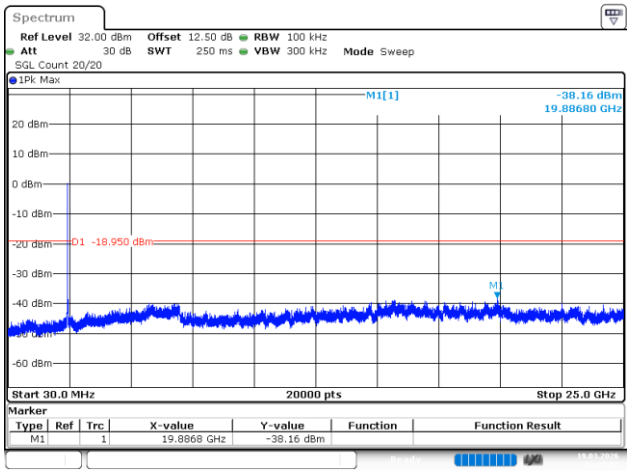
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:26:49

802.11g_2437MHz



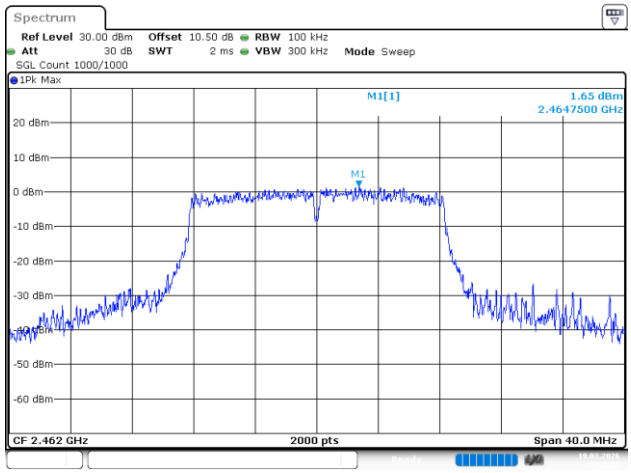
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:27:25

802.11g_2437MHz



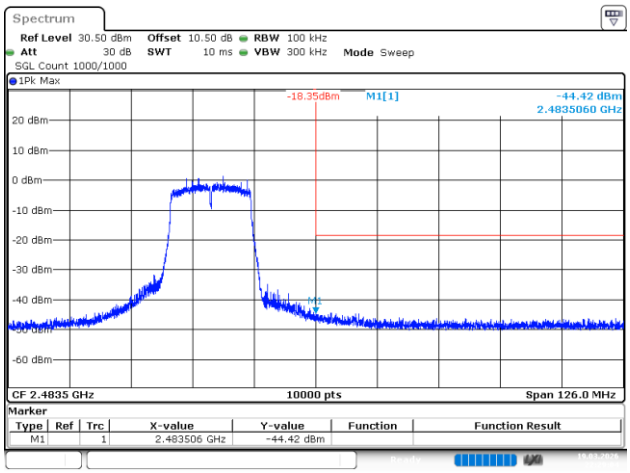
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:27:52

802.11g_2462MHz



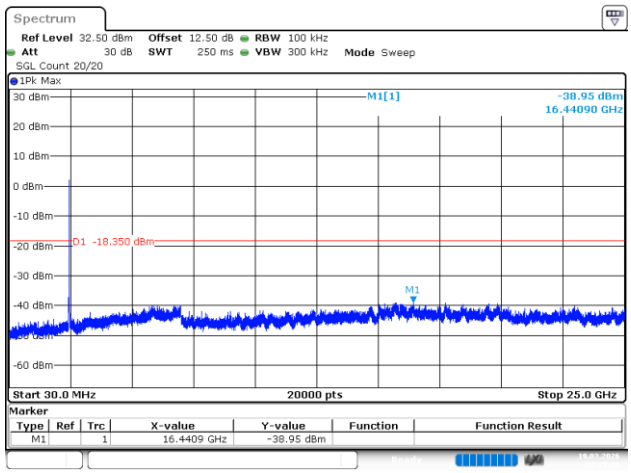
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:28:36

802.11g_2462MHz



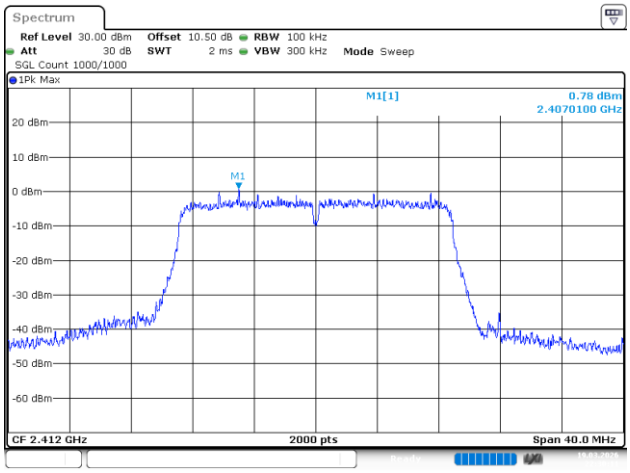
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:29:05

802.11g_2462MHz



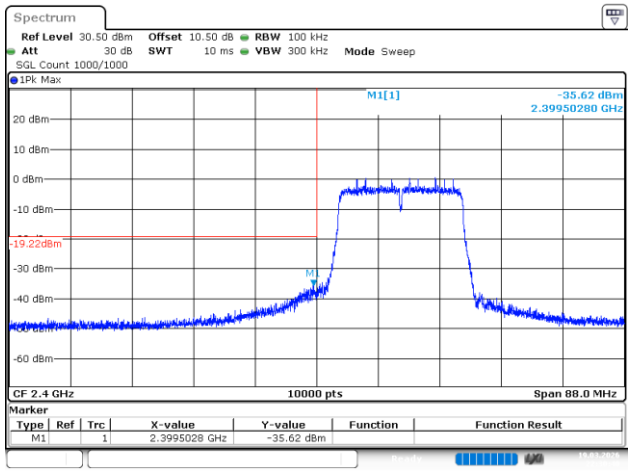
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:29:30

802.11n20_2412MHz



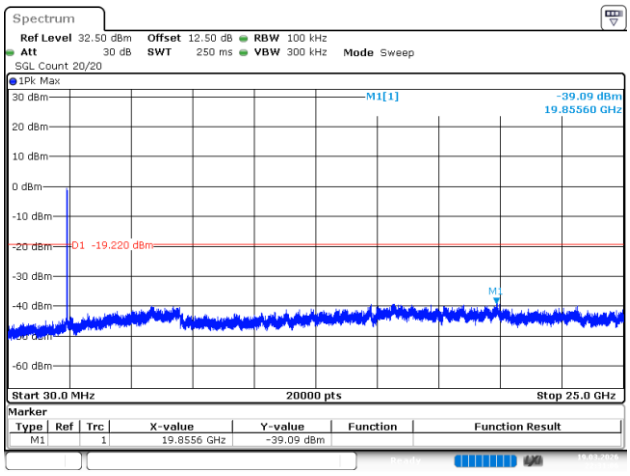
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:30:12

802.11n20_2412MHz



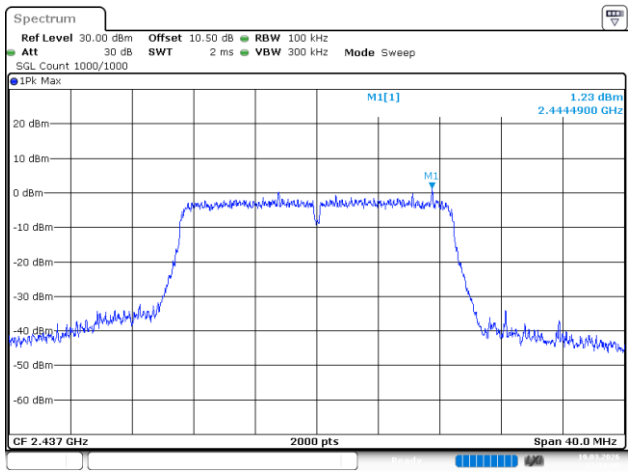
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:30:41

802.11n20_2412MHz



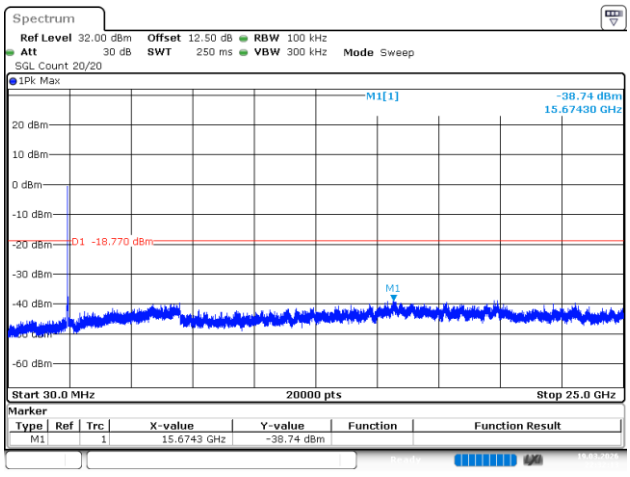
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:31:07

802.11n20_2437MHz



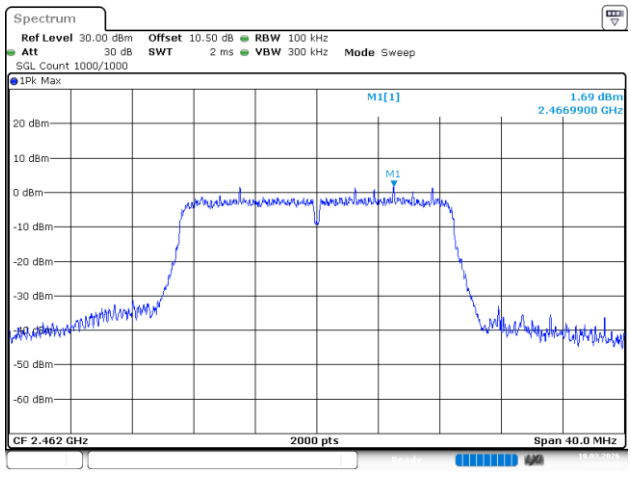
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:31:46

802.11n20_2437MHz



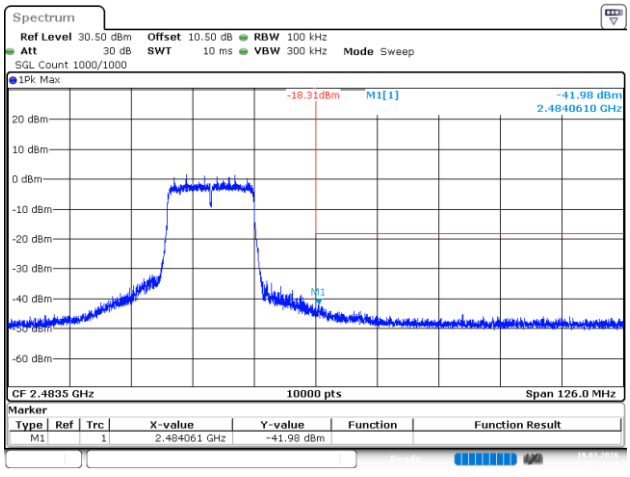
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:32:14

802.11n20_2462MHz



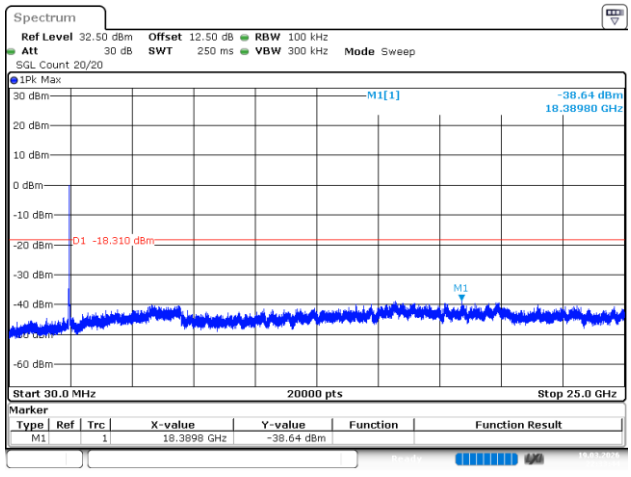
ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:32:52

802.11n20_2462MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:33:19

802.11n20_2462MHz



ProjectNo.:2603R33379E-RF Tester:Lane Sun
Date: 19.MAR.2026 22:33:45

4.8 Duty Cycle

Test Information:

Serial No.:	3I1F-1	Test Date:	2026/03/19
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lane Sun	Test Result:	N/A

Environmental Conditions:

Temperature: (℃)	27.4	Relative Humidity: (%)	42	ATM Pressure: (kPa)	100.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40	101591	2025/03/31	2026/03/30

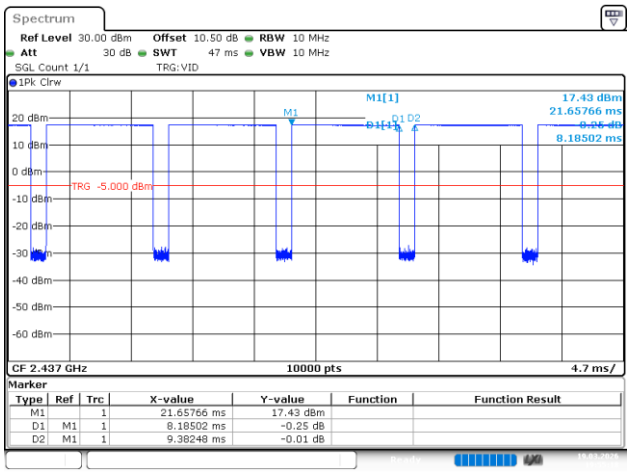
** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

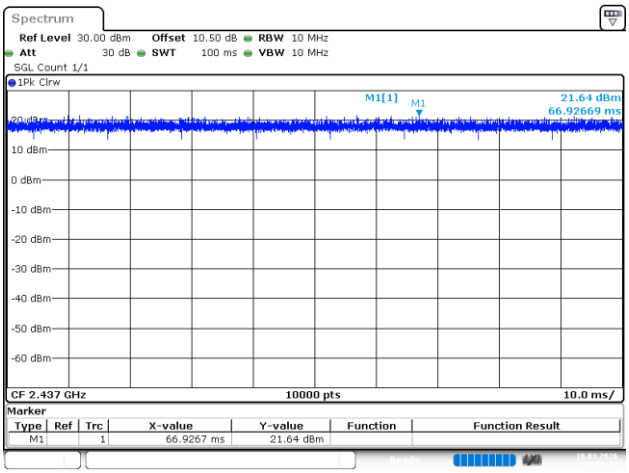
Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	8.185	9.382	87.24	0.59	122	0.200
802.11g	2437	100	100	100	0	N/A	0.010
802.11n20	2437	100	100	100	0	NA	0.010

Duty Cycle = Ton/(Ton+Toff)*100%

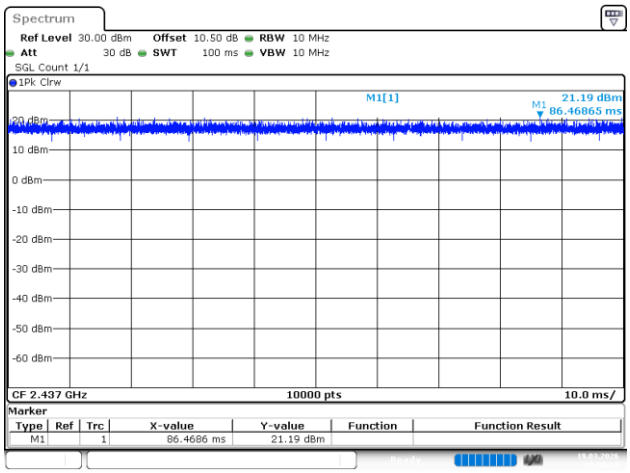
802.11b_2437MHz



802.11g_2437MHz



802.11n20_2437MHz



5. EUT PHOTOGRAPHS

Please refer to the attachment 2603R33379E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2603R33379E-RF-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2603R33379E-RF-00A-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT ====