

RF Test Report

Applicant: Quectel Wireless Solutions Co., Ltd.

Address: Building 5, Shanghai Business Park Phase III (Area B), No.1016
Tianlin Road, Minhang District, Shanghai, China 200233

Product: Wi-Fi & Bluetooth Module

Model No.: FLM142D

Brand Name: QUECTEL

FCC ID: XMR2024FLM142D

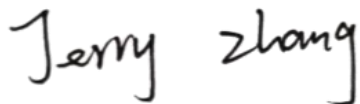
Standards: FCC CFR47 Part 15C

Report No.: PD20240175-R3B

Issue Date: 2025/01/17

Test Result: PASS *

* Testing performed at Hefei Panwin Technology Co., Ltd. on the above equipment indicates the product meets the requirements of the relevant standards.



Reviewed By: Jerry Zhang



Approved By: Alec Yang

Hefei Panwin Technology Co., Ltd.

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Test Report

Report No.: PD20240175-R3B

Report Version: 01

Revision History

Report No.	Version	Description	Issue Date	Note
PD20240175-R3B	1	Initial Report	2025/01/17	Valid

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Test Summary

No.	Test Case	FCC Rules	Verdict
1	Output Power Measurement	15.247(b)	PASS
2	6dB and 99% Bandwidth Measurement	15.247(a)(2)	PASS
3	Power Spectral Density Measurement	15.247(e)	PASS
4	Conducted Band Edges and Spurious Emission Measurement	15.247(d)	PASS
5	Radiated Band Edges and Spurious Emission Measurement	15.247(d)	PASS
6	AC Conducted Emission Measurement	15.207	NA
7	Antenna Requirements	15.203 & 15.247(b)	PASS

Date of Testing: 2024/12/31 to 2025/01/15

Date of Sample Received: 2024/12/30

- We, Hefei Panwin Technology Co., Ltd., would like to declare that the tested sample has been evaluated in accordance with the procedures given in applied standard(s) in **Section 2.3** of this report and shown compliance with the applicable technical standards.
- All indications of PASS/FAIL in this report are based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.

1 General Information

1.1 Notes of the Test Report

This report is invalid without signature of auditor and approver or with any alterations. The report shall not be partially reproduced without written approval of the testing company. Entrusted test results are only responsible for incoming samples. If there is any objection to the testing report, it shall be raised to the testing company within 15 days from the date of receiving the report. In the test results, "NA" means "not applicable", and the test items marked with "Δ" are subcontracted projects.

1.2 Test Facility

A2LA (Certificate Number: 6849.01)

Hefei Panwin Technology Co., Ltd. has been accredited by American Association for Laboratory Accreditation to perform measurement.

FCC (Designation Number: CN1361, Test Firm Registration Number: 473156)

Hefei Panwin Technology Co., Ltd. has been accredited on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Laboratory

Company Name	Hefei Panwin Technology Co., Ltd.
Address	Floor 1, Zone E, Plant 2#, Mingzhu Industrial Park, No.106 Chuangxin Avenue, High-tech Zone, Hefei City, Anhui Province, China
Telephone	+86-0551-63811775
Post Code	230031

2 General Description of Equipment under Test

2.1 Details of Application

Applicant	Quectel Wireless Solutions Co., Ltd.
Applicant Address	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
Manufacturer	Quectel Wireless Solutions Co., Ltd.
Manufacturer Address	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233

2.2 General Information

Product	Wi-Fi & Bluetooth Module
Model	FLM142D
Hardware Version	R1.0
Software Version	FLM142DAAR02A01M02
Directional Gain	NA
Antenna Type	PCB Antenna
Antenna Gain	-1.85dBi
Additional Beamforming Gain	NA
Max. Conducted Power	Wi-Fi 2.4G: 18.88dBm
Operating voltage	Typical 3.3Vdc
Type of Modulation	WLAN 802.11b/g/n HT20: BPSK, QPSK, CCK, 16QAM, 64QAM
Operating Frequency Range(s)	802.11b/g/n HT20: 2412 to 2462MHz

Note: The declared of product specification for EUT and/or Antenna presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

2.3 Application Standards

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

- 47 CFR Part 15 Subpart C §15.247
- FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

3 Test Condition

3.1 Test Configuration

Test mode

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). The worst cases were recorded in this report.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes (Z, X, Y axis), receiver antenna polarization (horizontal and vertical), the worst emission was found in Z position and the worst case was recorded. This report presents the data for the worst polarity.

Test Mode	Data Rate(Mbps)
802.11b_SISO	1
802.11g_SISO	6
802.11n HT20_SISO	MCS0

3.2 Carrier Frequency and Channel

Frequency Band	Channel	Freq.(MHz)	Channel	Freq.(MHz)
2400-2483.5 MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437	/	/

3.3 Equipment List

Conducted

Instrument	Manufacturer	Model	Asset No.	Cal. Interval	Cal. Due Date
Spectrum Analyzer	KEYSIGHT	N9020B	PWC0048	1 Year	2025/09/11
RF Control Unit	Tonseced	JS0806-2	PWC0055	/	/
Shielded Chamber	Maorui	MR543	PWC0041	3 Years	2026/08/26
Test Software	Tonseced	JS1120-3 V3.2.22	/	/	/

Radiated

Instrument	Manufacturer	Model	Asset No.	Cal. Interval	Cal. Due Date
EMI Test Receiver	R&S	ESR7	PWB0023	1 Year	2025/09/11
Spectrum Analyzer	R&S	FSV3044	PWB0024	1 Year	2025/09/11
Loop Antenna	R&S	HFH2-Z2E	PWB0026	1 Year	2025/09/13
TRILOG Broadband	Schwarzbeck	VULB9162	PWB0029	1 Year	2025/09/09
Double-Ridged Guide Antenna	ETS-Lindgren	3117	PWB0031	1 Year	2025/09/26
k Type Horn Antenna	Steatite Antennas	QMS-00880	PWB0035	1 Year	2025/09/08
Pre-Amplifier	R&S	SCU40F1	PWB0036	1 Year	2025/09/11
Pre-Amplifier	COM-MW	DLNA8	PWB0094	1 Year	2025/09/11
Pre-Amplifier	R&S	SCU18F	PWB0034	1 Year	2025/09/11
Pre-Amplifier	R&S	OSP220 (OSP-B155G)	PWB0042	1 Year	2025/09/11
Anechoic Chamber	ETS.LINDGREN	Fact 3-2m	PWB0003	3 Years	2026/06/05
Test Software	Tonscend	JS36	/	/	/

3.4 Support Equipment List

Equipment	Manufacturer	Description	Model	Serial Number
Antenna	/	PCB Antenna	/	/
EVB	Quectel	/	Q1-C4796	E1N24L20E000015 E1N24L20E000042 E1N24L20E000063
RF cable	Quectel	2.4G:0.5dB	/	/

3.5 Test Uncertainty

No.	Parameter	Uncertainty
1	DTS Bandwidth	1.9 %
2	Occupied channel bandwidth	1.9 %
3	Duty Cycle	0.11 %
4	Maximum Conducted Output Power	1.18 dB
5	Maximum Power Spectral Density Level	0.98 dB
6	Band-edge Compliance	1.21dB
7	Unwanted Emissions In Non-restricted Frequency Bands	9kHz-7GHz: 1.21 dB 7GHz-40GHz: 3.31 dB
8	Radiated Band Edges and Spurious Emission	Below 1GHz: 4.88 dB Above 1GHz: 5.06 dB
9	Temperature	3 °C
10	Humidity	1.3 %
11	Supply Voltages	0.006 V

4 Test Items Description

Ambient condition

Shielded Chamber

Temperature [°C]	25.1 to 25.3
Humidity [%RH]	34 to 39
Pressure [kPa]	102.5 to 102.6

Anechoic Chamber

Temperature [°C]	20.7 to 21.9
Humidity [%RH]	29 to 41
Pressure [kPa]	101.0 to 102.9

4.1 Output Power Measurement

4.1.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm.

If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

4.1.2 Measuring Instruments

The section 2.3 of List of Measuring Equipment of this test report is used for test.

4.1.3 Test Procedures

The testing follows the Measurement Procedure of ANSI C63.10-2013 clause 11.9.2.2.4 Method AVGSA-2. Method AVGSA-2 uses trace averaging across ON and OFF times of the EUT transmissions, followed by duty cycle correction. The procedure for this method is as follows:

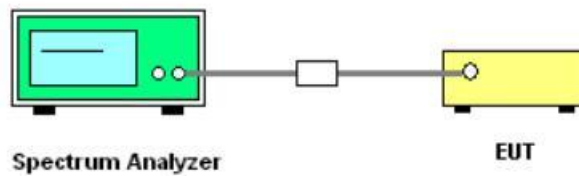
1. Measure the duty cycle D of the transmitter output signal as described in 11.6.
2. Set span to at least 1.5 times the OBW.
3. Set RBW = 1% to 5% of the OBW, not to exceed 1 MHz.
4. Set VBW $\geq [3 \times \text{RBW}]$.
5. Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
6. Sweep time = auto.
7. Detector = RMS (i.e., power averaging), if available. Otherwise, use the sample detector mode.
8. Do not use sweep triggering. Allow the sweep to “free run.”
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces

to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.

10. Compute power by integrating the spectrum across the OBW of the signal using the Instrument's band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

11. Add $[10 \log (1 / D)]$, where D is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the ON and OFF times of the transmission). For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is 25%.

4.1.4 Test Setup



4.1.5 Test Results

See ANNEX A.1.

4.2 6dB and 99% Bandwidth Measurement

4.2.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz

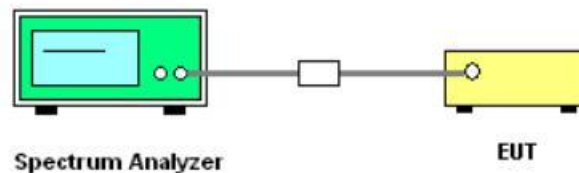
4.2.2 Measuring Instruments

The section 3.3 of List of Measuring Equipment of this test report is used for test.

4.2.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.8 & 6.9.3.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1% to 5% of the 99% OBW and the VBW is set to 3 times of the RBW.
6. Measure and record the results in the test report.

4.2.4 Test Setup



4.2.5 Test Results

See ANNEX A.2.

4.3 Power Spectral Density Measurement

4.3.1 Limit of Power Spectral Density

Rule Part 15.247(e) specifies that " 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.

4.3.2 Measuring Instruments

The section 3.3 of List of Measuring Equipment of this test report is used for test.

4.3.3 Test Procedures

4.3.3 Test Procedures

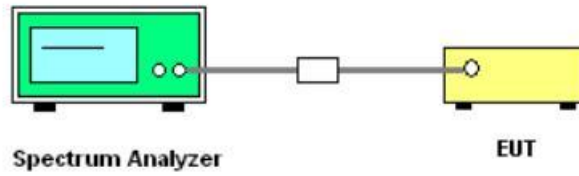
The testing follows ANSI C63.10-2013 clause 11.10.5.

Method AVGPS-2 uses trace averaging across ON and OFF times of the EUT transmissions, followed by duty cycle correction.

The following procedure is applicable when the EUT cannot be configured to transmit continuously (i.e., $D < 98\%$), when sweep triggering/signal gating cannot be used to measure only when the EUT is transmitting at its maximum power control level, and when the transmission duty cycle is constant (i.e., duty cycle variations are less than $\pm 2\%$):

1. Measure the duty cycle (D) of the transmitter output signal as described in 11.6.
2. Set instrument center frequency to DTS channel center frequency.
3. Set span to at least 1.5 times the OBW.
4. Set RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
5. Set VBW $\geq [3 \times \text{RBW}]$.
6. Detector = power averaging (rms) or sample detector (when rms not available).
7. Ensure that the number of measurement points in the sweep $\geq [2 \times \text{span} / \text{RBW}]$.
8. Sweep time = auto couple.
9. Do not use sweep triggering; allow sweep to "free run."
10. Employ trace averaging (rms) mode over a minimum of 100 traces.
11. Use the peak marker function to determine the maximum amplitude level.
12. Add $[10 \log (1 / D)]$, where D is the duty cycle measured in step a), to the measured PSD to compute the average PSD during the actual transmission time.
13. If measured value exceeds requirement specified by regulatory agency, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

4.3.4 Test Setup



4.3.5 Test Result of Power Spectral Density

Please refer to ANNEX A.3.

4.4 Conducted Band Edges and Spurious Emission Measurement

4.4.1 Limit of Conducted Band Edges and Spurious Emission

All harmonics/spurious must be at least 20 dB down from the highest emission level within the authorized band, In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

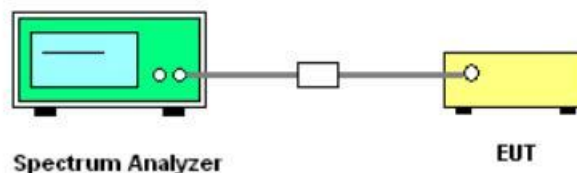
4.4.2 Measuring Instruments

The section 3.3 of List of Measuring Equipment of this test report is used for test

4.4.3 Test Procedure

1. The testing follows ANSI C63.10-2013 clause 11.13.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

4.4.4 Test Setup



4.4.5 Test Result

Please refer to ANNEX A.4.

4.5 Radiated Band Edges and Spurious Emission Measurement

4.5.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30-88	100	3
88 -216	150	3
216 - 960	200	8
Above 960	500	3

4.5.2 Measuring Instruments

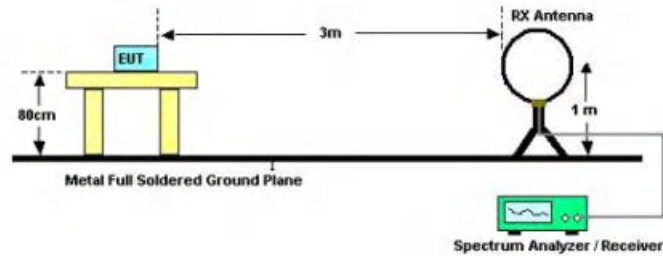
The section 3.3 of List of Measuring Equipment of this test report is used for test.

4.5.3 Test Procedures

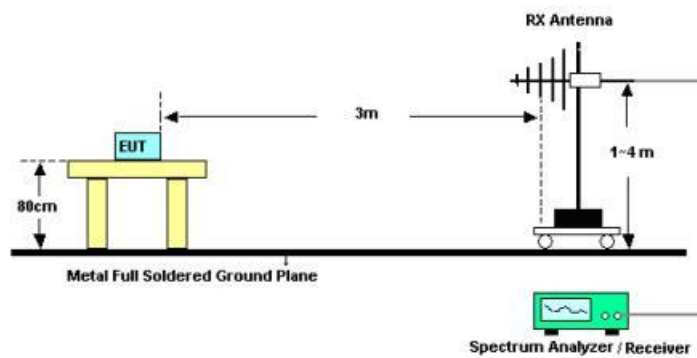
1. The testing follows ANSI C63.10-2013 clause 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level -Pre-amp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured.
 - (2) Set RBW=100 kHz for $f < 1$ GHz; $VBW \geq RBW$; Sweep = auto; Detector function = peak; Trace = max hold.
 - (3) Set RBW = 1 MHz, VBW= 3MHz for ≥ 1 GHz for peak measurement
For average measurement:
VBW= 10 Hz, when duty cycle is no less than 98 percent.
 $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

4.5.4 Test Setup

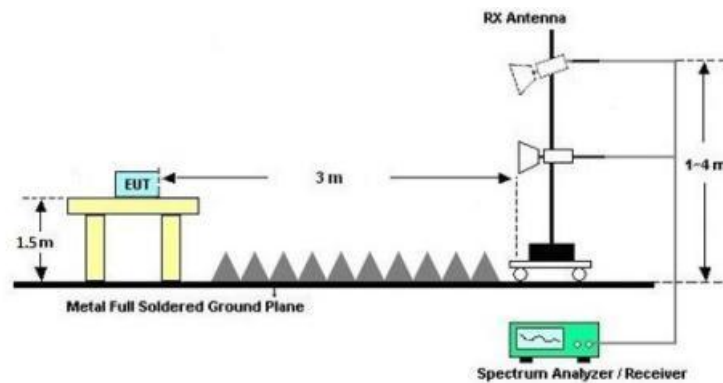
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



4.5.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

4.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to ANNEX B.1.

4.5.7 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHzwhichever is lower)

Please refer to ANNEX B.1.

4.5.8 Duty Cycle

Please refer to ANNEX A.5.

4.6 AC Conducted Emission Measurement

4.6.1 Limit of AC Conducted Emission

For equipment 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.

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

Decreases with the logarithm of the frequency.

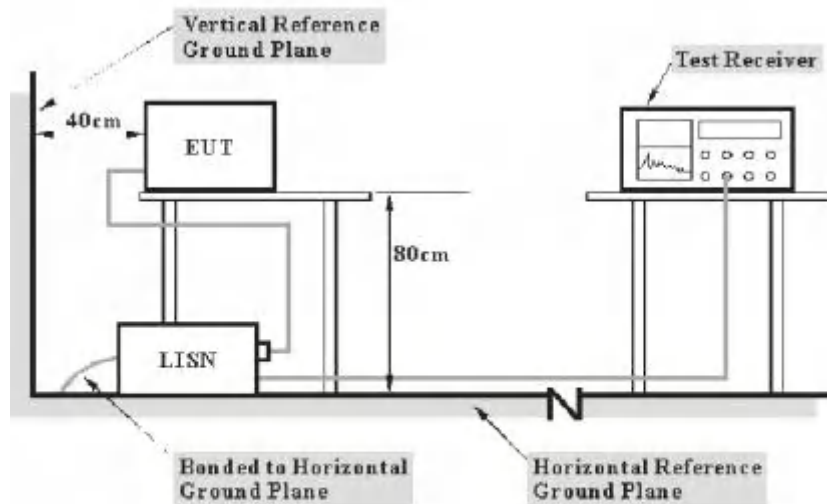
4.6.2 Measuring Instruments

The section 3.3 of List of Measuring Equipment of this test report is used for test.

4.6.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 6.2.
2. The mains terminal disturbance voltage test was conducted in a shielded room.
3. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50 Ω /50 μ H + 5 Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
4. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
5. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
6. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10-2013 on conducted measurement.

4.6.4 Test 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.

4.6.5 Uncertainty Measurement

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT. The listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

CASE	Uncertainty
Continuous Emission (AC port)	2.92 dB

4.6.6 Test Result

Remark: The product is DC powered, this test item is not applicable.

4.7 Antenna Requirements

4.7.1 Standard Applicable

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

15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and(b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.7.2 Antenna Anti-Replacement Construction

The antenna is PCB Antenna and no consideration of replacement. The best case gain of the antenna is -1.89dBi.

----- THE END -----

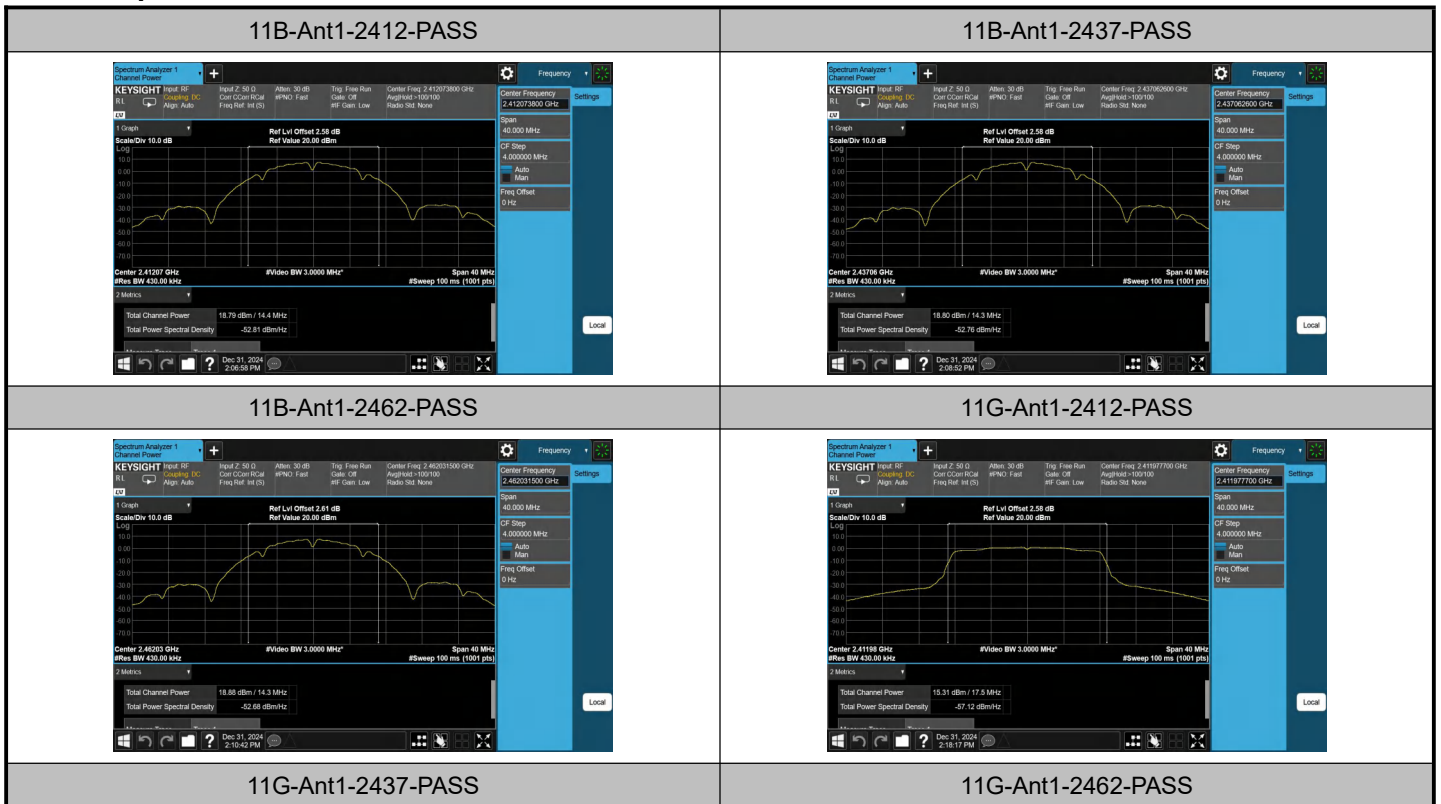
ANNEX A: Test Results of Conducted Test

A.1 Conducted Output Power

Test Result

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	18.74	98.82	0.05	18.79	≤30.00	-1.85	16.94	≤36.00	PASS
11B	Ant1	2437	18.75	98.94	0.05	18.80	≤30.00	-1.85	16.95	≤36.00	PASS
11B	Ant1	2462	18.84	99.17	0.04	18.88	≤30.00	-1.85	17.03	≤36.00	PASS
11G	Ant1	2412	15.26	98.92	0.05	15.31	≤30.00	-1.85	13.46	≤36.00	PASS
11G	Ant1	2437	15.28	98.92	0.05	15.33	≤30.00	-1.85	13.48	≤36.00	PASS
11G	Ant1	2462	15.48	98.92	0.05	15.53	≤30.00	-1.85	13.68	≤36.00	PASS
11N20SISO	Ant1	2412	14.68	99.03	0.04	14.72	≤30.00	-1.85	12.87	≤36.00	PASS
11N20SISO	Ant1	2437	14.70	98.83	0.05	14.75	≤30.00	-1.85	12.90	≤36.00	PASS
11N20SISO	Ant1	2462	14.91	99.03	0.04	14.95	≤30.00	-1.85	13.10	≤36.00	PASS

Test Graphs





11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



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A.2 6dB and 99% Bandwidth

Test Result 6dB Bandwidth

Test Mode	Antenna	Frequency[MHz]	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	0.5	PASS
11B	Ant1	2437	9.080	2432.440	2441.520	0.5	PASS
11B	Ant1	2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	15.400	2403.480	2418.880	0.5	PASS
11G	Ant1	2437	15.120	2429.400	2444.520	0.5	PASS
11G	Ant1	2462	16.080	2453.440	2469.520	0.5	PASS
11N20SISO	Ant1	2412	6.360	2406.960	2413.320	0.5	PASS
11N20SISO	Ant1	2437	5.040	2433.160	2438.200	0.5	PASS
11N20SISO	Ant1	2462	7.560	2458.160	2465.720	0.5	PASS

Test Result 99% Bandwidth

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.424	2404.8618	2419.2858	---	---
11B	Ant1	2437	14.303	2429.9111	2444.2141	---	---
11B	Ant1	2462	14.338	2454.8625	2469.2005	---	---
11G	Ant1	2412	17.469	2403.2432	2420.7122	---	---
11G	Ant1	2437	17.623	2428.1315	2445.7545	---	---
11G	Ant1	2462	17.522	2453.1999	2470.7219	---	---
11N20SISO	Ant1	2412	18.392	2402.8064	2421.1984	---	---
11N20SISO	Ant1	2437	18.390	2427.8120	2446.2020	---	---
11N20SISO	Ant1	2462	18.412	2452.7579	2471.1699	---	---

Test Graphs_6dB Bandwidth

11B-Ant1-2412-PASS	11B-Ant1-2437-PASS
11B-Ant1-2462-PASS	11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

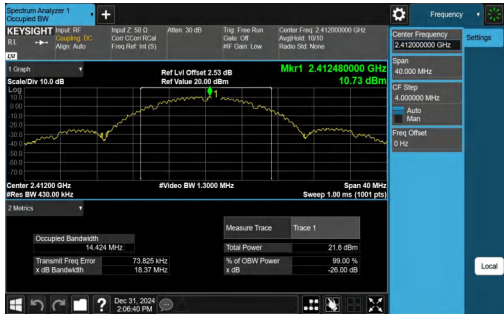
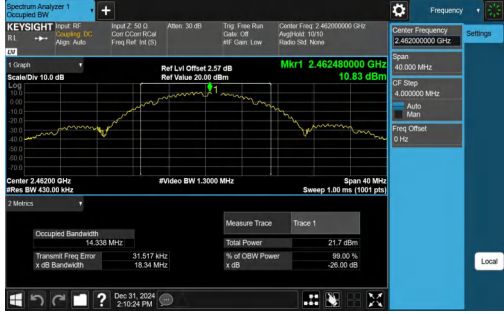
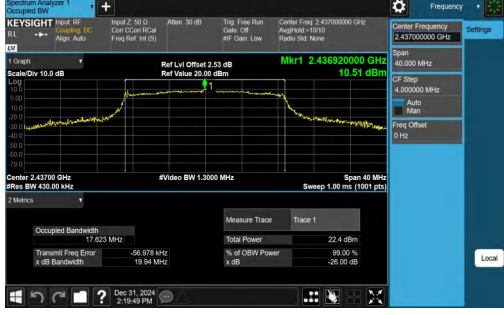
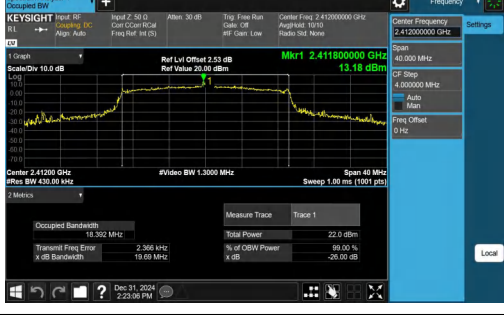


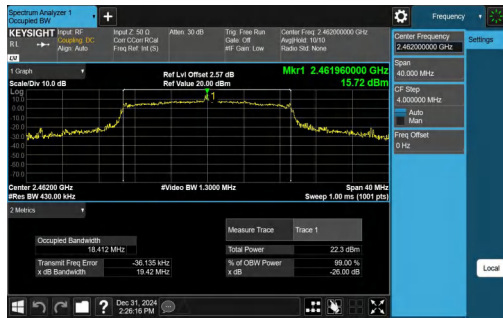
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Test Graphs_99% Bandwidth

11B-Ant1-2412  Center Frequency: 2.41200000 GHz Span: 40.000 MHz Ref Lvl Offset: 2.53 dB Ref Value: 20.00 dBm Mkr1: 2.412480000 GHz 10.73 dBm Occupied Bandwidth: 14.424 MHz Total Power: 21.4 dBm % of OBW Power: 99.00 % Transmit Freq Error: 73.825 kHz x dB Bandwidth: 18.31 MHz	11B-Ant1-2437  Center Frequency: 2.43700000 GHz Span: 40.000 MHz Ref Lvl Offset: 2.53 dB Ref Value: 20.00 dBm Mkr1: 2.437480000 GHz 10.82 dBm Occupied Bandwidth: 14.303 MHz Total Power: 21.4 dBm % of OBW Power: 99.00 % Transmit Freq Error: 62.583 kHz x dB Bandwidth: 18.31 MHz
11B-Ant1-2462  Center Frequency: 2.46200000 GHz Span: 40.000 MHz Ref Lvl Offset: 2.53 dB Ref Value: 20.00 dBm Mkr1: 2.462480000 GHz 10.83 dBm Occupied Bandwidth: 14.338 MHz Total Power: 21.7 dBm % of OBW Power: 99.00 % Transmit Freq Error: 31.517 kHz x dB Bandwidth: 18.34 MHz	11G-Ant1-2412  Center Frequency: 2.41000000 GHz Span: 40.000 MHz Ref Lvl Offset: 2.53 dB Ref Value: 20.00 dBm Mkr1: 2.411840000 GHz 10.59 dBm Occupied Bandwidth: 17.409 MHz Total Power: 22.3 dBm % of OBW Power: 99.00 % Transmit Freq Error: -22.351 kHz x dB Bandwidth: 20.24 MHz
11G-Ant1-2437  Center Frequency: 2.43700000 GHz Span: 40.000 MHz Ref Lvl Offset: 2.53 dB Ref Value: 20.00 dBm Mkr1: 2.436920000 GHz 10.51 dBm Occupied Bandwidth: 17.423 MHz Total Power: 22.4 dBm % of OBW Power: 99.00 % Transmit Freq Error: -36.978 kHz x dB Bandwidth: 19.94 MHz	11G-Ant1-2462  Center Frequency: 2.46200000 GHz Span: 40.000 MHz Ref Lvl Offset: 2.53 dB Ref Value: 20.00 dBm Mkr1: 2.461880000 GHz 10.67 dBm Occupied Bandwidth: 17.422 MHz Total Power: 22.6 dBm % of OBW Power: 99.00 % Transmit Freq Error: -36.100 kHz x dB Bandwidth: 20.13 MHz
11N20SISO-Ant1-2412  Center Frequency: 2.41000000 GHz Span: 40.000 MHz Ref Lvl Offset: 2.53 dB Ref Value: 20.00 dBm Mkr1: 2.411800000 GHz 13.18 dBm Occupied Bandwidth: 18.302 MHz Total Power: 22.0 dBm % of OBW Power: 99.00 % Transmit Freq Error: 2.368 kHz x dB Bandwidth: 19.69 MHz	11N20SISO-Ant1-2437  Center Frequency: 2.43700000 GHz Span: 40.000 MHz Ref Lvl Offset: 2.53 dB Ref Value: 20.00 dBm Mkr1: 2.437160000 GHz 11.05 dBm Occupied Bandwidth: 18.300 MHz Total Power: 21.8 dBm % of OBW Power: 99.00 % Transmit Freq Error: 0.951 kHz x dB Bandwidth: 20.12 MHz
11N20SISO-Ant1-2462	/



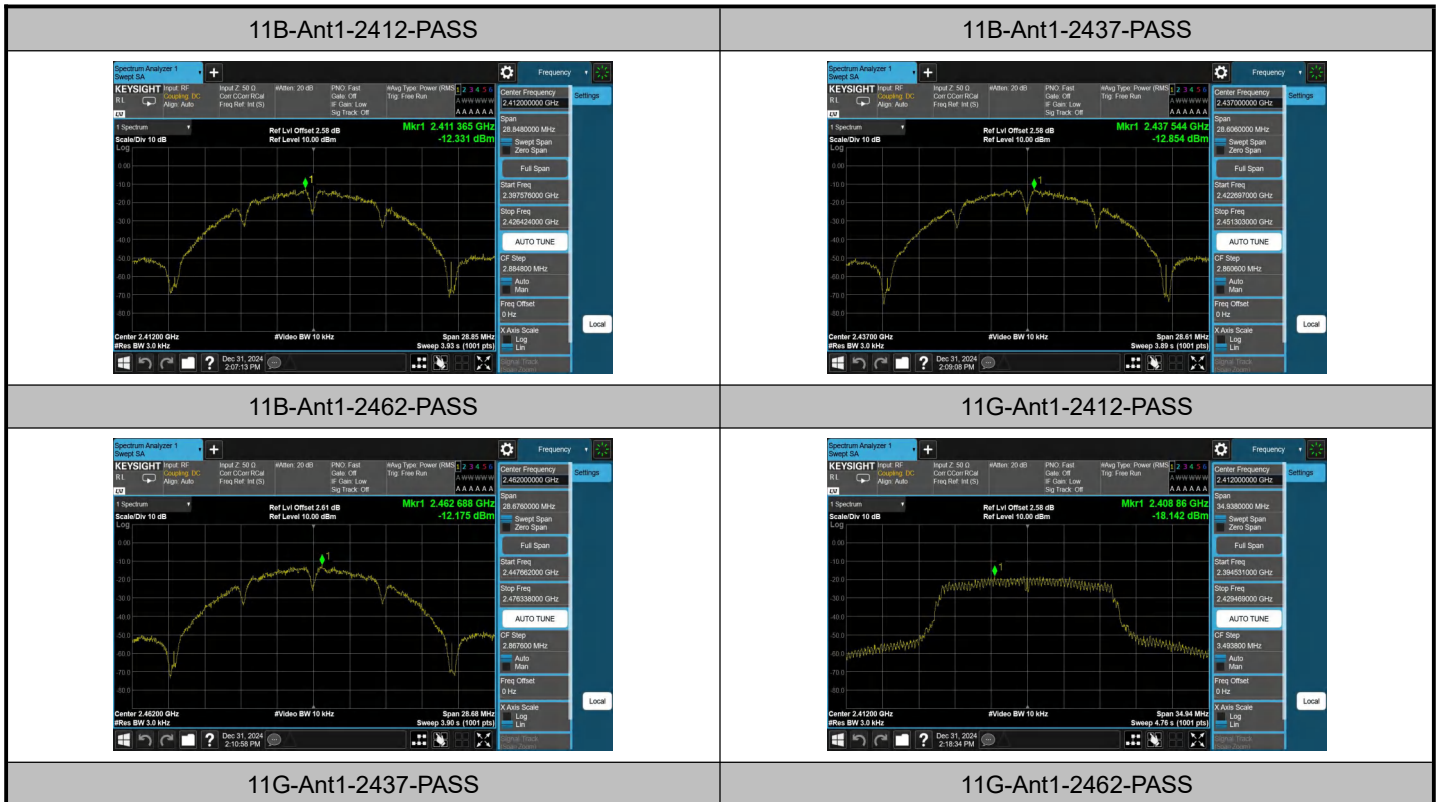
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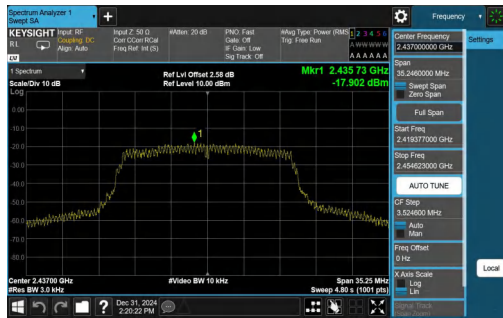
A.3 Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.33	≤8.00	PASS
11B	Ant1	2437	-12.85	≤8.00	PASS
11B	Ant1	2462	-12.18	≤8.00	PASS
11G	Ant1	2412	-18.14	≤8.00	PASS
11G	Ant1	2437	-17.90	≤8.00	PASS
11G	Ant1	2462	-17.73	≤8.00	PASS
11N20SISO	Ant1	2412	-18.71	≤8.00	PASS
11N20SISO	Ant1	2437	-18.27	≤8.00	PASS
11N20SISO	Ant1	2462	-17.98	≤8.00	PASS

Test Graphs

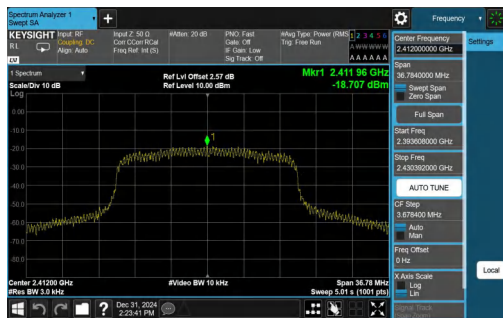




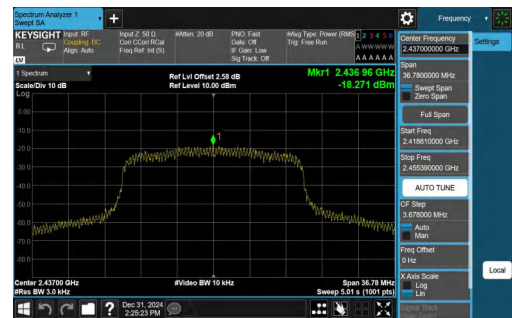
11N20SISO-Ant1-2412-PASS



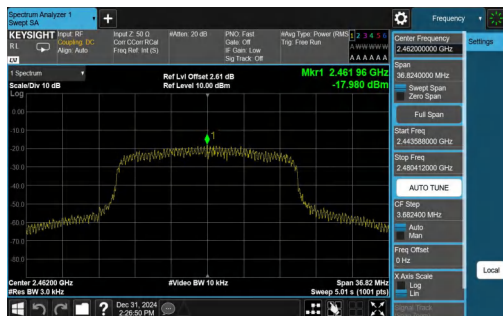
11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



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A.4 Conducted Band Edges and Spurious Emission

Test Result

Band Edges

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.31	-26.44	≤-19.69	PASS
11B	Ant1	High	2462	10.41	-48.76	≤-19.59	PASS
11G	Ant1	Low	2412	5.90	-26.53	≤-24.1	PASS
11G	Ant1	High	2462	6.23	-36.99	≤-23.77	PASS
11N20SISO	Ant1	Low	2412	7.03	-24.51	≤-22.97	PASS
11N20SISO	Ant1	High	2462	6.48	-41.17	≤-23.52	PASS

Spurious Emission

Test Mode	Antenna	Frequency[MHz]	Freq Range[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	30~1000	10.31	-68.71	≤-19.69	PASS
11B	Ant1	2412	1000~26500	10.31	-41.42	≤-19.69	PASS
11B	Ant1	2437	30~1000	10.29	-59.94	≤-19.71	PASS
11B	Ant1	2437	1000~26500	10.29	-40.28	≤-19.71	PASS
11B	Ant1	2462	30~1000	10.41	-69.05	≤-19.59	PASS
11B	Ant1	2462	1000~26500	10.41	-41	≤-19.59	PASS
11G	Ant1	2412	30~1000	5.90	-68.76	≤-24.1	PASS
11G	Ant1	2412	1000~26500	5.90	-49.08	≤-24.1	PASS
11G	Ant1	2437	30~1000	5.53	-68.47	≤-24.47	PASS
11G	Ant1	2437	1000~26500	5.53	-49.2	≤-24.47	PASS
11G	Ant1	2462	30~1000	6.23	-69.13	≤-23.77	PASS
11G	Ant1	2462	1000~26500	6.23	-48.53	≤-23.77	PASS
11N20SISO	Ant1	2412	30~1000	7.03	-68.23	≤-22.97	PASS
11N20SISO	Ant1	2412	1000~26500	7.03	-50.37	≤-22.97	PASS
11N20SISO	Ant1	2437	30~1000	8.94	-67.07	≤-21.06	PASS
11N20SISO	Ant1	2437	1000~26500	8.94	-49.12	≤-21.06	PASS
11N20SISO	Ant1	2462	30~1000	6.48	-68.76	≤-23.52	PASS
11N20SISO	Ant1	2462	1000~26500	6.48	-48.49	≤-23.52	PASS

Test Graphs

Band Edges

11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS

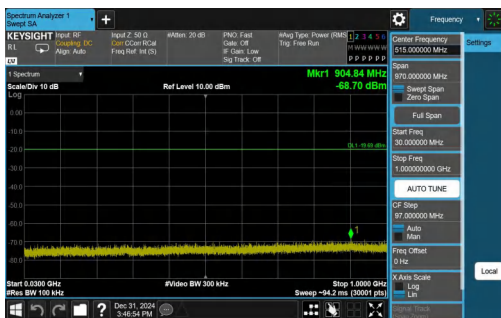


11N20SISO-Ant1-2462-PASS



Spurious Emission

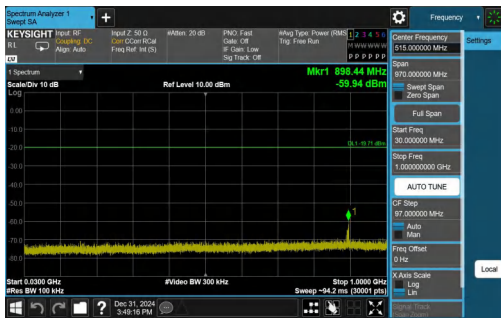
11B-Ant1-2412-30~1000-PASS



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



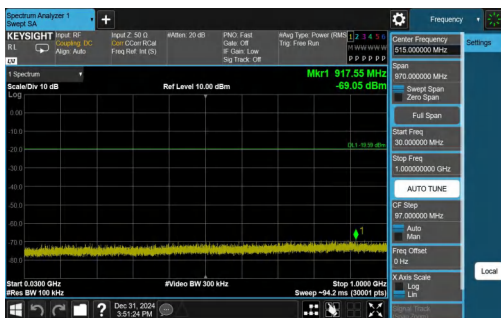
11B-Ant1-2437-30~1000-PASS



11B-Ant1-2437-1000~26500-PASS



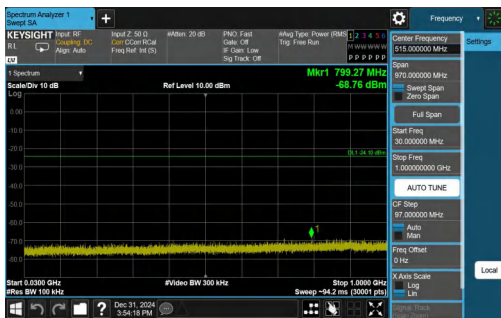
11B-Ant1-2462-30~1000-PASS



11B-Ant1-2462-1000~26500-PASS



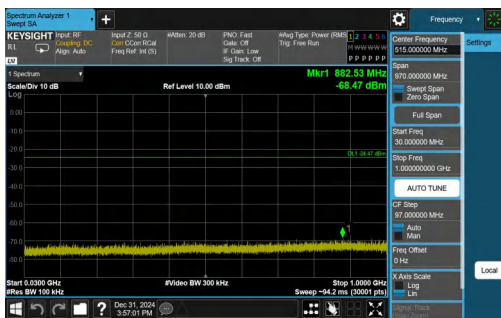
11G-Ant1-2412-30~1000-PASS



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



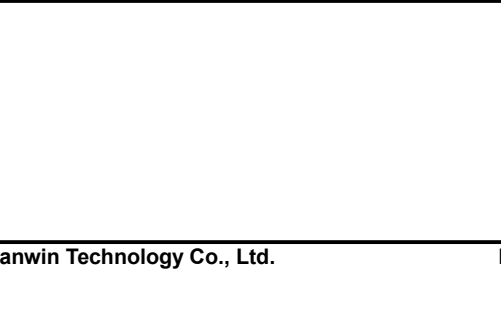
11G-Ant1-2437-30~1000-PASS



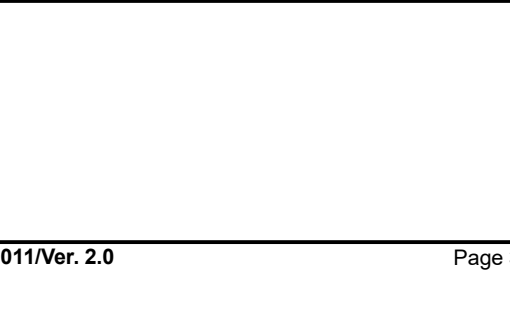
11G-Ant1-2437-1000~26500-PASS

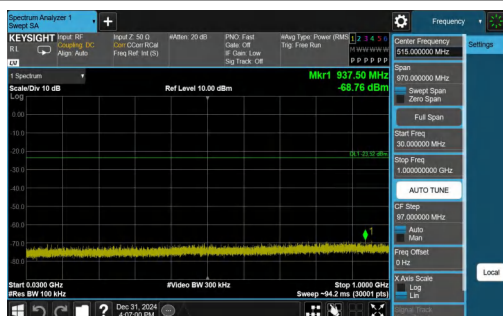
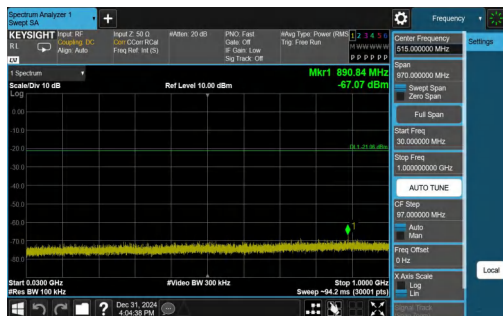
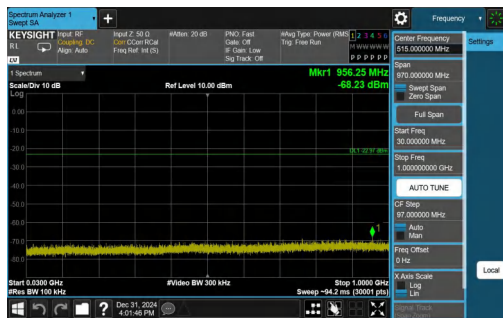
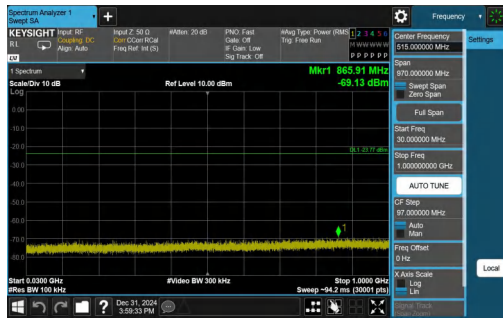


11G-Ant1-2462-30~1000-PASS



11G-Ant1-2462-1000~26500-PASS





A.5 Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.48	98.82	0.05
11B	Ant1	2437	8.39	8.48	98.94	0.05
11B	Ant1	2462	8.39	8.46	99.17	0.04
11G	Ant1	2412	5.49	5.55	98.92	0.05
11G	Ant1	2437	5.48	5.54	98.92	0.05
11G	Ant1	2462	5.48	5.54	98.92	0.05
11N20SISO	Ant1	2412	5.09	5.14	99.03	0.04
11N20SISO	Ant1	2437	5.08	5.14	98.83	0.05
11N20SISO	Ant1	2462	5.09	5.14	99.03	0.04

Test Graphs

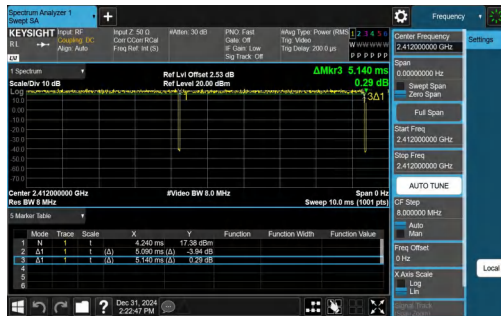




NTNV-11N20SISO-Ant1-2412



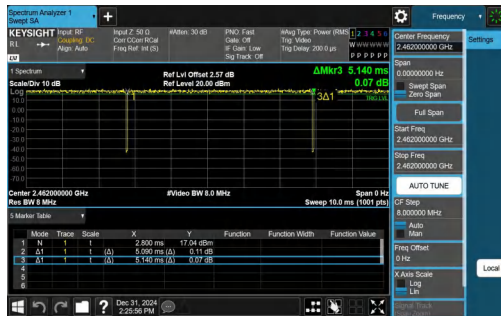
NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462



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ANNEX B: Test Results of Radiated Test

B.1 Radiated Band Edges and Spurious Emission

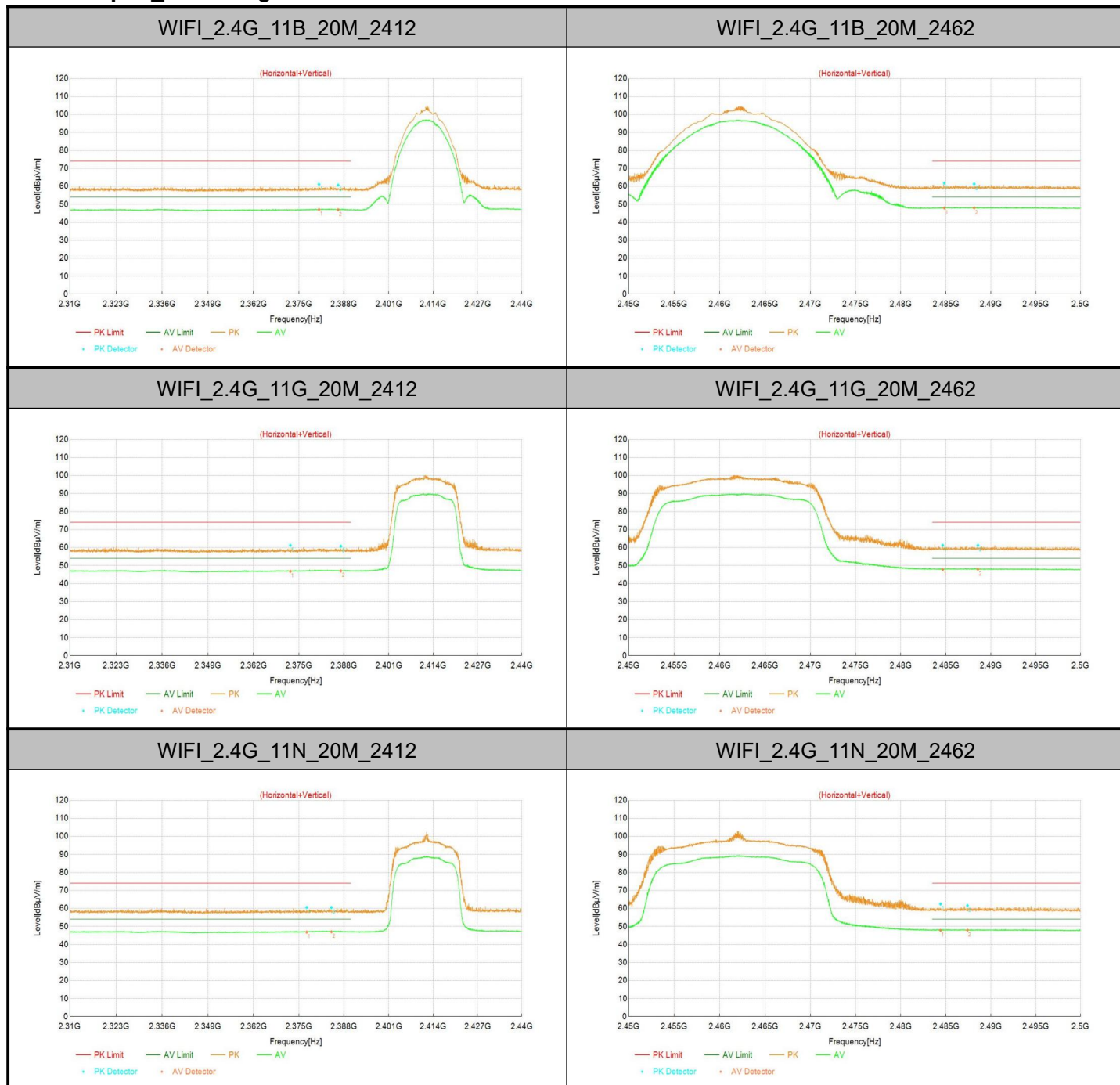
Test Result_Band Edges

Note: Both vertical and horizontal polarities have been evaluated, and the test data only shows the worst-case.
Level=Reading+Factor; Margin=Limit-Level; V=Vertical, H=Horizontal.

Data List								
Test Mode	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Pol	Det
WIFI_2.4G_11B_20M_2412	2380.82419	48.92	61.12	12.20	74.00	12.88	H	PK
	2380.82419	34.91	47.11	12.20	54.00	6.89	H	AV
	2386.34675	48.56	60.71	12.15	74.00	13.29	H	PK
	2386.34675	34.85	47.00	12.15	54.00	7.00	H	AV
WIFI_2.4G_11B_20M_2462	2484.83605	49.10	61.86	12.76	74.00	12.14	H	PK
	2484.83605	35.21	47.97	12.76	54.00	6.03	H	AV
	2488.14725	48.59	61.37	12.78	74.00	12.63	H	PK
	2488.14725	35.21	47.99	12.78	54.00	6.01	H	AV
WIFI_2.4G_11G_20M_2412	2372.58248	49.24	61.19	11.95	74.00	12.81	V	PK
	2372.58248	34.86	46.81	11.95	54.00	7.19	V	AV
	2387.14175	48.67	60.78	12.11	74.00	13.22	H	PK
	2387.14175	34.92	47.03	12.11	54.00	6.97	H	AV
WIFI_2.4G_11G_20M_2462	2484.65679	48.55	61.30	12.75	74.00	12.70	V	PK
	2484.65679	35.07	47.82	12.75	54.00	6.18	V	AV
	2488.56825	48.47	61.26	12.79	74.00	12.74	H	PK
	2488.56825	35.19	47.98	12.79	54.00	6.02	H	AV
WIFI_2.4G_11N_20M_2412	2377.29668	48.50	60.56	12.06	74.00	13.44	H	PK
	2377.29668	34.84	46.90	12.06	54.00	7.10	H	AV
	2384.41175	48.32	60.53	12.21	74.00	13.47	H	PK
	2384.41175	34.86	47.07	12.21	54.00	6.93	H	AV
WIFI_2.4G_11N_20M_2462	2484.4139	49.75	62.49	12.74	74.00	11.51	H	PK
	2484.4139	35.08	47.82	12.74	54.00	6.18	H	AV

	2487.39775	48.87	61.66	12.79	74.00	12.34	H	PK
	2487.39775	35.15	47.94	12.79	54.00	6.06	H	AV

Test Graphs_Band Edges



Test Result_Spurious Emission

Note1: Test result Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier the Emissions in the frequency band 9kHz-30MHz and 18GHz-26.5GHz are more than 20dB below the limit are not reported.

Note2: Both vertical and horizontal polarities have been evaluated, and the test data only shows the worst-case. Level=Reading+Factor; Margin=Limit-Level; V=Vertical , H=Horizontal.

Data List								
Test Mode	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Pol .	Det
WIFI_2.4G_11B_20M_2412	4834.024	36.69	54.70	18.01	74.00	19.30	H	PK
	4834.024	22.98	40.99	18.01	54.00	13.01	H	AV
	7269.47	44.37	58.52	14.15	74.00	15.48	V	PK
	7269.47	31.13	45.28	14.15	54.00	8.72	V	AV
	9650.65	35.57	50.22	14.65	74.00	23.78	V	PK
	9650.65	22.35	37.00	14.65	54.00	17.00	V	AV
	12106.73	35.80	51.83	16.03	74.00	22.17	H	PK
	12106.73	22.35	38.38	16.03	54.00	15.62	H	AV
	14471.64	34.57	52.84	18.27	74.00	21.16	H	PK
	14471.64	20.90	39.17	18.27	54.00	14.83	H	AV
	16818.57	32.56	56.46	23.90	74.00	17.54	V	PK
	16818.57	19.64	43.54	23.90	54.00	10.46	V	AV
WIFI_2.4G_11B_20M_2437	4874.876	36.57	54.90	18.33	74.00	19.10	V	PK
	4874.876	22.96	41.29	18.33	54.00	12.71	V	AV
	7306.435	44.12	57.80	13.68	74.00	16.20	V	PK
	7306.435	31.01	44.69	13.68	54.00	9.31	V	AV
	9764.33	35.20	50.12	14.92	74.00	23.88	H	PK
	9764.33	22.36	37.28	14.92	54.00	16.72	H	AV
	12150.575	35.85	51.47	15.62	74.00	22.53	H	PK
	12150.575	22.04	37.66	15.62	54.00	16.34	H	AV
	14582.16	34.07	52.48	18.41	74.00	21.52	H	PK
	14582.16	21.14	39.55	18.41	54.00	14.45	H	AV
	17143.015	31.55	56.13	24.58	74.00	17.87	H	PK

	17143.015	18.31	42.89	24.58	54.00	11.11	H	AV
WIFI_2.4G_11B_20M_2462	4903.438	36.50	54.63	18.13	74.00	19.37	V	PK
	4903.438	23.02	41.15	18.13	54.00	12.85	V	AV
	7398.37	43.57	57.49	13.92	74.00	16.51	V	PK
	7398.37	30.76	44.68	13.92	54.00	9.32	V	AV
	9853.17	35.35	50.48	15.13	74.00	23.52	V	PK
	9853.17	22.00	37.13	15.13	54.00	16.87	V	AV
	12298	34.96	51.04	16.08	74.00	22.96	H	PK
	12298	22.01	38.09	16.08	54.00	15.91	H	AV
	14708.11	33.54	52.00	18.46	74.00	22.00	V	PK
	14708.11	20.89	39.35	18.46	54.00	14.65	V	AV
	17151.71	31.76	55.76	24.00	74.00	18.24	H	PK
	17151.71	18.11	42.11	24.00	54.00	11.89	H	AV
WIFI_2.4G_11G_20M_2412	4843.421	36.74	54.75	18.01	74.00	19.25	V	PK
	4843.421	22.92	40.93	18.01	54.00	13.07	V	AV
	7203.26	43.89	58.04	14.15	74.00	15.96	H	PK
	7203.26	31.08	45.23	14.15	54.00	8.77	H	AV
	9616.89	34.97	49.62	14.65	74.00	24.38	H	PK
	9616.89	22.14	36.79	14.65	54.00	17.21	H	AV
	12089.25	35.25	51.28	16.03	74.00	22.72	V	PK
	12089.25	21.96	37.99	16.03	54.00	16.01	V	AV
	14511.44	33.47	51.74	18.27	74.00	22.26	V	PK
	14511.44	20.67	38.94	18.27	54.00	15.06	V	AV
	16850.65	32.77	56.67	23.90	74.00	17.33	V	PK
	16850.65	19.59	43.49	23.90	54.00	10.51	V	AV
WIFI_2.4G_11G_20M_2437	4895.57	36.93	55.26	18.33	74.00	18.74	V	PK
	4895.57	23.06	41.39	18.33	54.00	12.61	V	AV
	7277.915	43.82	57.50	13.68	74.00	16.50	V	PK
	7277.915	31.18	44.86	13.68	54.00	9.14	V	AV

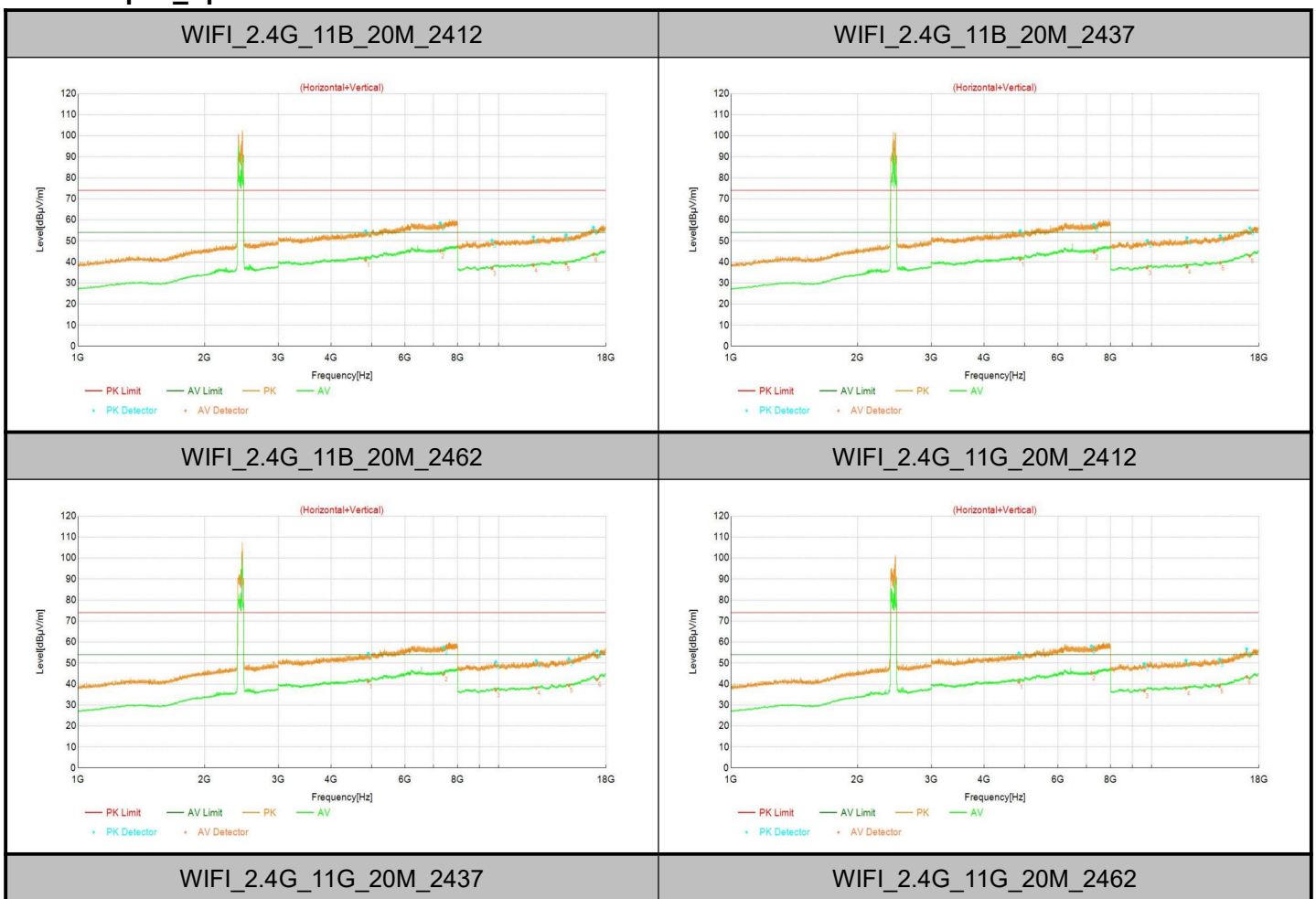
	9762.38	35.84	50.76	14.92	74.00	23.24	V	PK
	9762.38	22.42	37.34	14.92	54.00	16.66	V	AV
	12218.815	34.77	50.39	15.62	74.00	23.61	H	PK
	12218.815	22.16	37.78	15.62	54.00	16.22	H	AV
	14582.89	33.74	52.15	18.41	74.00	21.85	V	PK
	14582.89	21.30	39.71	18.41	54.00	14.29	V	AV
	17085.865	31.35	55.93	24.58	74.00	18.07	V	PK
	17085.865	17.94	42.52	24.58	54.00	11.48	V	AV
WIFI_2.4G_11G_20M_2462	4926.164	36.74	54.87	18.13	74.00	19.13	H	PK
	4926.164	22.93	41.06	18.13	54.00	12.94	H	AV
	7398.74	45.03	58.95	13.92	74.00	15.05	V	PK
	7398.74	30.78	44.70	13.92	54.00	9.30	V	AV
	9827.07	34.95	50.08	15.13	74.00	23.92	V	PK
	9827.07	22.22	37.35	15.13	54.00	16.65	V	AV
	12362.01	34.52	50.60	16.08	74.00	23.40	V	PK
	12362.01	21.79	37.87	16.08	54.00	16.13	V	AV
	14761.29	34.25	52.71	18.46	74.00	21.29	V	PK
	14761.29	21.03	39.49	18.46	54.00	14.51	V	AV
	17227.54	31.59	55.59	24.00	74.00	18.41	H	PK
	17227.54	18.61	42.61	24.00	54.00	11.39	H	AV
WIFI_2.4G_11N_20M_2412	4842.698	36.80	54.81	18.01	74.00	19.19	H	PK
	4842.698	22.92	40.93	18.01	54.00	13.07	H	AV
	7241.97	44.01	58.16	14.15	74.00	15.84	V	PK
	7241.97	30.95	45.10	14.15	54.00	8.90	V	AV
	9690.21	35.14	49.79	14.65	74.00	24.21	V	PK
	9690.21	22.22	36.87	14.65	54.00	17.13	V	AV
	12085.02	35.01	51.04	16.03	74.00	22.96	H	PK
	12085.02	21.99	38.02	16.03	54.00	15.98	H	AV
	14417.37	34.31	52.58	18.27	74.00	21.42	V	PK

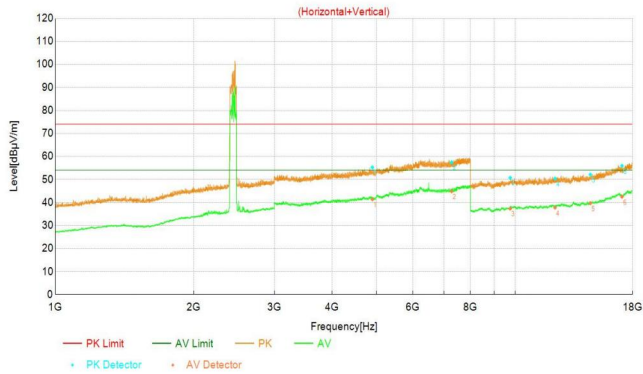
	14417.37	20.89	39.16	18.27	54.00	14.84	V	AV
	16803.38	32.52	56.42	23.90	74.00	17.58	H	PK
	16803.38	19.70	43.60	23.90	54.00	10.40	H	AV
WIFI_2.4G_11N_20M_2437	4861.632	36.55	54.88	18.33	74.00	19.12	H	PK
	4861.632	22.86	41.19	18.33	54.00	12.81	H	AV
	7285.225	43.89	57.57	13.68	74.00	16.43	V	PK
	7285.225	30.98	44.66	13.68	54.00	9.34	V	AV
	9717.54	34.86	49.78	14.92	74.00	24.22	V	PK
	9717.54	22.19	37.11	14.92	54.00	16.89	V	AV
	12165.805	34.93	50.55	15.62	74.00	23.45	V	PK
	12165.805	22.15	37.77	15.62	54.00	16.23	V	AV
	14590.2	33.84	52.25	18.41	74.00	21.75	H	PK
	14590.2	20.97	39.38	18.41	54.00	14.62	H	AV
	17120.835	31.07	55.65	24.58	74.00	18.35	V	PK
	17120.835	18.29	42.87	24.58	54.00	11.13	V	AV
WIFI_2.4G_11N_20M_2462	4915.096	36.46	54.59	18.13	74.00	19.41	V	PK
	4915.096	23.05	41.18	18.13	54.00	12.82	V	AV
	7349.25	43.80	57.72	13.92	74.00	16.28	H	PK
	7349.25	30.72	44.64	13.92	54.00	9.36	H	AV
	9833.47	36.47	51.60	15.13	74.00	22.40	H	PK
	9833.47	22.33	37.46	15.13	54.00	16.54	H	AV
	12281.99	35.07	51.15	16.08	74.00	22.85	V	PK
	12281.99	22.15	38.23	16.08	54.00	15.77	V	AV
	14757.6	34.45	52.91	18.46	74.00	21.09	H	PK
	14757.6	21.11	39.57	18.46	54.00	14.43	H	AV
	17203.41	31.03	55.03	24.00	74.00	18.97	V	PK
	17203.41	18.35	42.35	24.00	54.00	11.65	V	AV

Data List

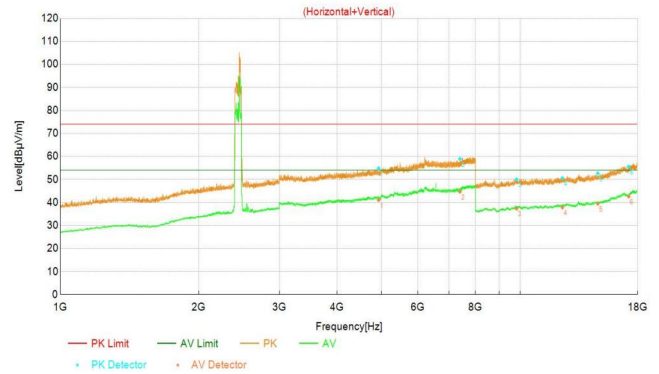
Test Mode	Frequency [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Pol.	Det
WIFI_2.4G_11B_20M_2462	60.005139	44.22	28.03	-16.19	40.00	11.97	V	QP
	155.543442	39.53	19.95	-19.58	43.50	23.55	V	QP
	228.019891	35.04	20.07	-14.97	46.00	25.93	V	QP
	987.160326	23.80	21.50	-2.30	54.00	32.50	V	QP

Test Graphs_Spurious Emission

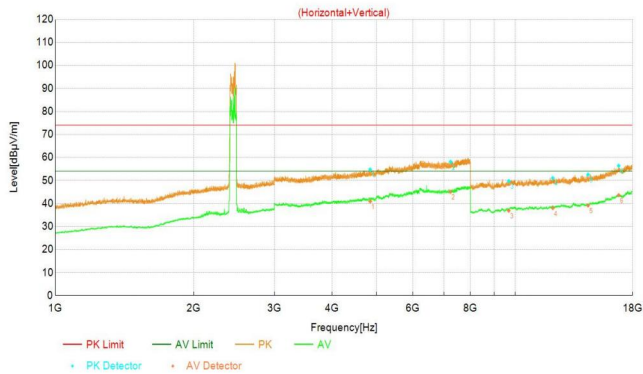




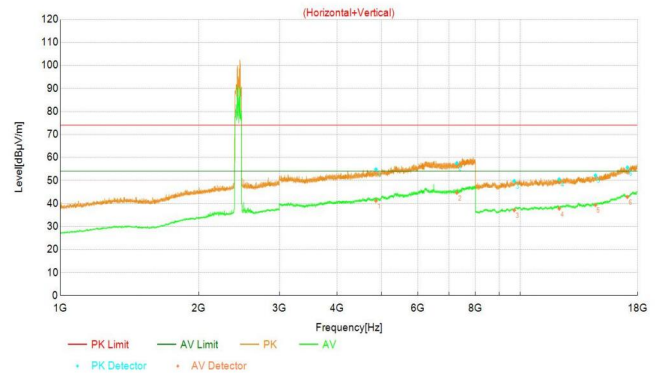
WIFI_2.4G_11N_20M_2412



WIFI_2.4G_11N_20M_2437



WIFI_2.4G_11N_20M_2462



WIFI_2.4G_11B_20M_2462

ANNEX C: The EUT Appearance

The EUT Appearance (internal and external photographs) are submitted separately.

ANNEX D: Test Setup Photograph

The Test Setup Photographs are submitted separately.