TEST REPORT

Applicant Name:	INFINIX MOBILITY LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Report Number:	2401Y58158E-RF-00C
FCC ID:	2AIZN-YYS-X6858

Test Standard (s)

FCC PART 15.247

Sample Description

Product Type:	Mobile Phone
Model No.:	X6858
Multiple Model(s) No.:	N/A
Trade Mark:	Infinix
Date Received:	2024-10-23
Issue Date:	2024-12-20

Test Result:	Pass▲

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Jim Cheng

RF Engineer

Approved By:

Nancy Wang

RF Supervisor

Note: The information marked# is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk "▼".

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2401Y58158E-RF-00C	Original Report	2024-12-20

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Frequency Range	2412~2462MHz
Maximum Conducted Output Peak Power	17.88dBm
Modulation Technique	DSSS, OFDM
Antenna Specification#	Main:-3.9dBi Aux:-2.32dBi (provided by the applicant)
Voltage Range	DC 5-11V charging from adapter or DC 3.91V from battery
Sample serial number	2TGQ-1 for Conducted and Radiated Emissions Test 2TGQ-2 for RF Conducted Test (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	Model:U450XSB Input:AC100-240V, 50/60Hz, 1.8A Output:DC5.0V, 3.0A, 15.0W or DC5.0-10.0V, 4.5A or DC11.0V, 4.1A, 45.0W MAX
Note: The EUT has two configurations, the two configuration was electrical identical except for color, memory, motherboard material, electronic material, NFC/WPT Antenna and battery. Please refer to the declaration letter# for more detail, which was provided by manufacturer. The configuration 1# was selected to test. The configuration 2# was evaluated in DSS report and compliance with the limit.	

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commission's rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

And KDB 558074 D01 15.247 Meas Guidance v05r02.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		109.2kHz(k=2, 95% level of confidence)
RF output power, conducted		0.86dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz~150 kHz	3.63dB(k=2, 95% level of confidence)
	150 kHz ~30MHz	3.66dB(k=2, 95% level of confidence)
Radiated Emissions	0.009MHz~30MHz	3.60dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	5.32dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	5.43dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	5.77dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.73dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.34dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.40dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.64dB(k=2, 95% level of confidence)
Temperature		±1℃
Humidity		±1%
Supply voltages		±0.4%

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

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, 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. : 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

For 2.4GHz Wi-Fi mode, total 11 channels are provided to testing:

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

802.11b, 802.11g and 802.11n-HT20 mode was tested with Channel 1, 6 and 11.

EUT Exercise Software

Exercise Software#		N/A					
Mode	Data rate	Power Level#					
		Low Channel		Middle Channel		High Channel	
		Main	Aux	Main	Aux	Main	Aux
802.11b	1Mbps	10	10	10	10	10	10
802.11g	6Mbps	10	10	10	10	10	10
802.11n20	MCS0	10	10	10	10	10	10

Note: Main Ant and Aux Ant cannot transmit at the same time, it is single band channel TX, switched by DPDT switch, essentially still 1T2R

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

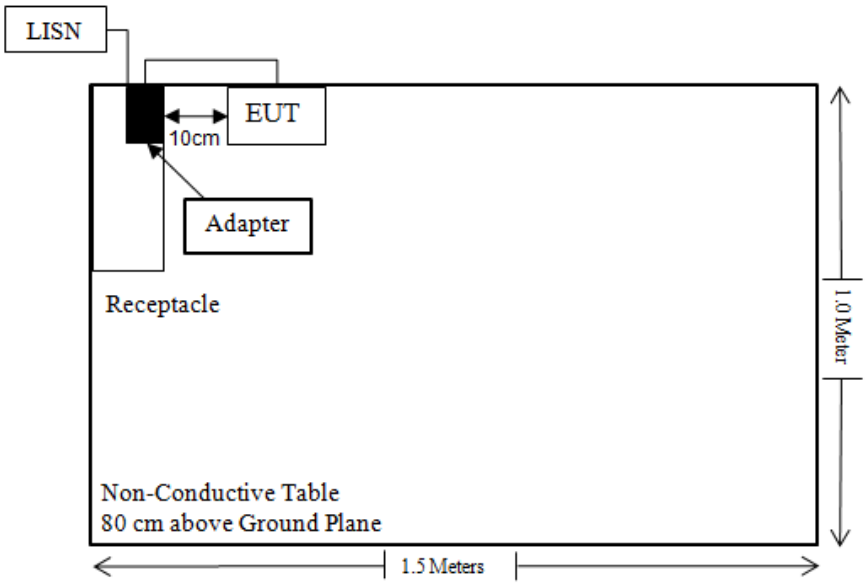
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

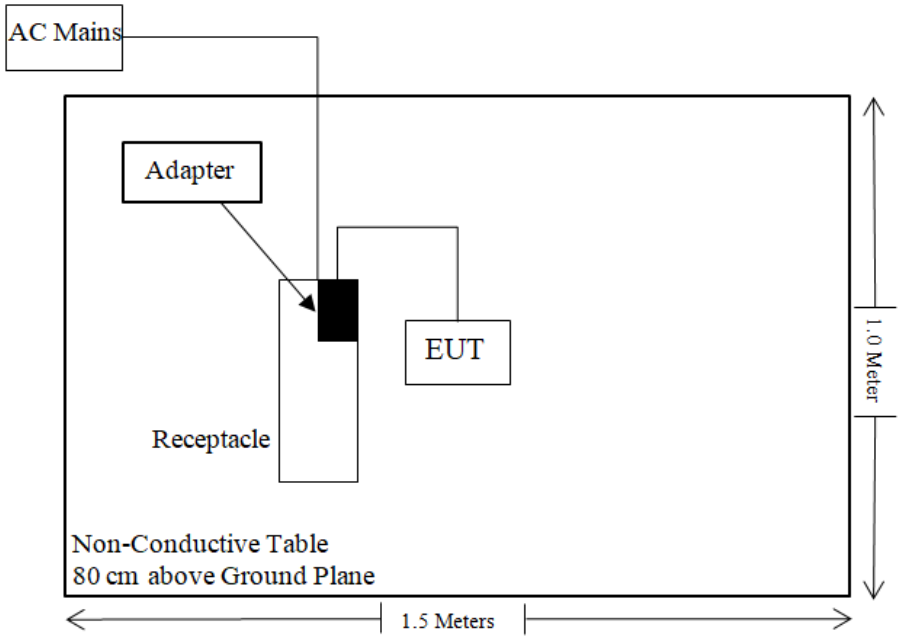
Cable Description	Length (m)	From Port	To
Un-shielding Detachable USB Cable	1.0	EUT	Adapter
Shielded Un-detachable AC Cable	1.5	Receptacle	LISN/AC Mains

Block Diagram of Test Setup

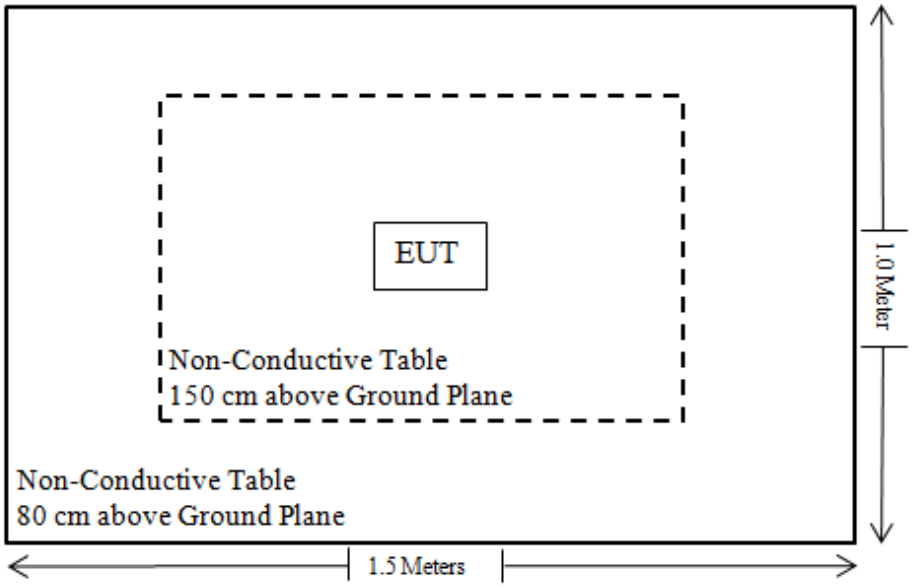
For Conducted Emissions:



For Radiated Emissions below 1GHz:



For Radiated Emissions above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.203	Antenna Requirement	Compliant
FCC §15.207(a)	AC Line Conducted Emissions	Compliant
FCC §15.205,§15.209,§15.247(d)	Radiated Spurious Emission	Compliant
FCC §15.207(a)(2)	6dB Emission Bandwidth	Compliant
FCC §15.247(b)(1)	Maximum Conducted Output Power	Compliant
FCC §15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
FCC §15.247(e)	Power Spectral Density	Compliant
C63.10 §11.6	Duty Cycle	Compliant
FCC §1.1307&§2.1093	RF Exposure	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/01/16	2025/01/15
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2024/05/21	2025/05/20
Rohde & Schwarz	LISN	ENV216	101613	2024/01/16	2025/01/15
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	2024/05/21	2025/05/20
Audix	EMI Test software	E3	191218(V9)	NCR	NCR
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2024/01/16	2025/01/15
Sonoma instrument	Pre-amplifier	310N	186238	2024/05/21	2025/05/20
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Cable	Chamber Cable 1	F-03-EM236	2024/06/18	2025/06/17
Unknown	Cable	XH500C	J-10M-A	2024/06/18	2025/06/17
BACL	Active Loop Antenna	1313-1A	4031911	2024/05/14	2027/05/13
Unknown	Cable	2Y194	0735	2024/05/21	2025/05/20
Unknown	Cable	PNG214	1354	2024/05/21	2025/05/20
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
Rohde&Schwarz	Spectrum Analyzer	FSV40	101605	2024/03/27	2025/03/26
COM-POWER	Pre-amplifier	PA-122	181919	2024/06/18	2025/06/17
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
Unknown	RF Cable	KMSE	0735	2024/06/18	2025/06/17
Unknown	RF Cable	UFA147	219661	2024/06/18	2025/06/17
Unknown	RF Cable	XH750A-N	J-10M	2024/06/18	2025/06/17
JD	Multiplex Switch Test Control Set	DT7220FSU	DQ77926	2024/06/18	2025/06/17
A.H.System	Pre-amplifier	PAM-1840VH	190	2024/06/18	2025/06/17
Electro-Mechanics Co	Horn Antenna	3116	9510-2270	2023/09/18	2026/09/17
UTIFLEX	RF Cable	NO. 13	232308-001	2024/06/18	2025/06/17
Audix	EMI Test software	E3	191218(V9)	NCR	NCR

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
ANRITSU	Microwave peak power sensor	MA24418A	12622	2024/05/21	2025/05/20
Rohde & Schwarz	Spectrum Analyzer	FSV40	101473	2024/01/16	2025/01/15
Unknown	10dB Attenuator	Unknown	F-03-EM190	2024/06/27	2025/06/26

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

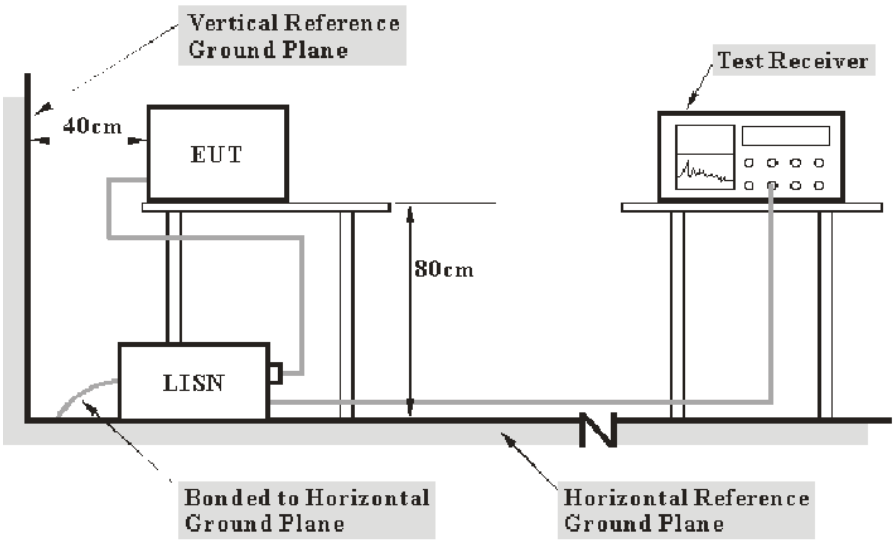
REQUIREMENTS AND TEST PROCEDURES

AC Line Conducted Emissions

Applicable Standard

FCC§15.207

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 C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

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

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Factor & Over Limit Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

Factor = LISN VDF + Cable Loss

The "**Over Limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Over Limit = level – Limit
Level= reading level+ Factor

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

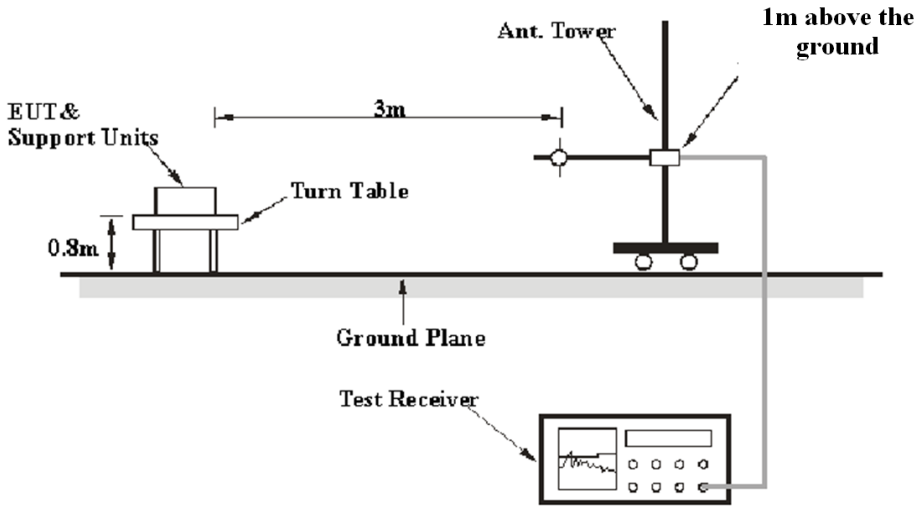
Spurious Emissions

Applicable Standard

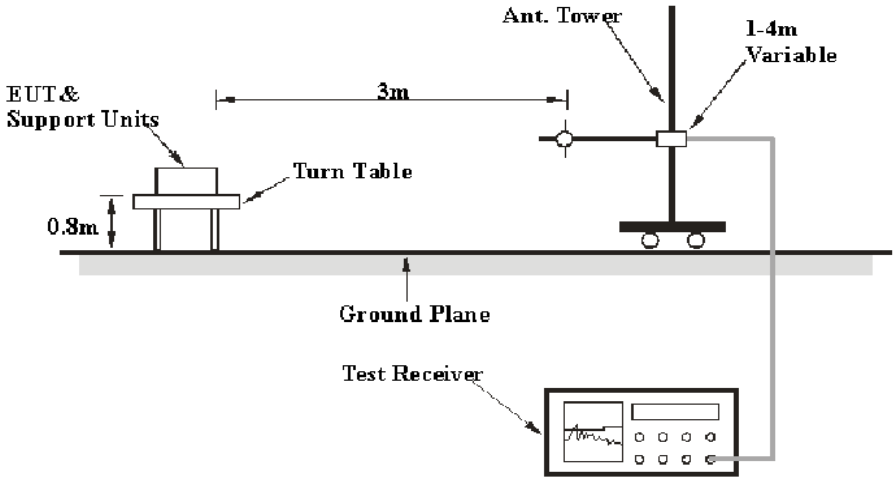
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

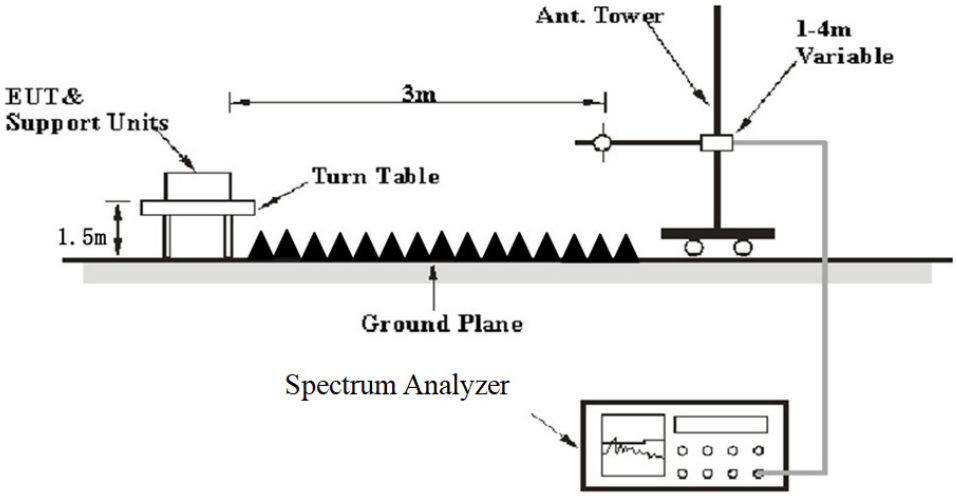
9 kHz-30MHz:



30MHz-1GHz:



Above 1GHz:



The radiated emission performed in the 3 meters, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, FCC 15.247 limits.

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:

9 kHz-1GHz:

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

1-25GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98%	1MHz	10 Hz
	<98%	1MHz	≥1/Ton

Note: Ton 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.

Test Procedure

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

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless the margin is greater than 20 dB.

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

Factor & Over Limit/Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

The "**Over Limit/Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

Over Limit/Margin = Level/Corrected Amplitude – Limit
Level / Corrected Amplitude = Read Level + Factor

6 dB Emission Bandwidth

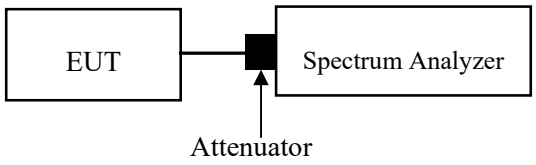
Applicable Standard

According to 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.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.8.1

a) Set RBW = 100 kHz.
b) Set the VBW ≥ [3 × RBW].
c) Detector = peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by6 dB relative to the maximum level measured in the fundamental emission.



Maximum Conducted Output Power

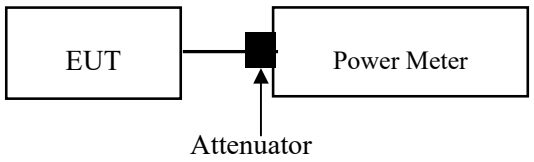
Applicable Standard

According to 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.

Test Procedure

Test method: ANSI C63.10-2013 clause 11.9.1.3 for peak power method or clause 11.9.2.3.2 for average power method.

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
3. Add a correction factor to the display.



100 kHz Bandwidth of Frequency Band Edge

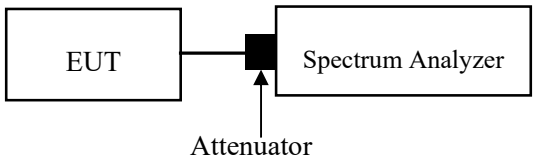
Applicable Standard

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)).

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.11

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.



Power Spectral Density

Applicable Standard

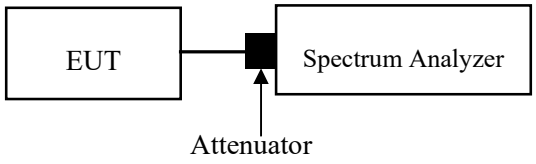
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.10.2

Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.

1. Set the RBW to: 3kHz≤ RBW≤100 kHz.
2. Set the VBW ≥ 3×RBW.
3. Set the span to 1.5 times the DTS bandwidth.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level within the RBW.
9. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

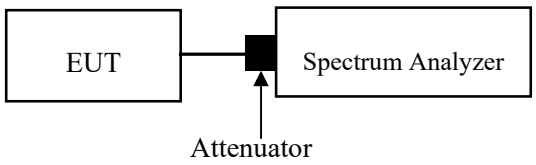


Duty Cycle

Test Procedure

According to ANSI C63.10-2013 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.)



ANTENNA REQUIREMENT

Applicable Standard

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

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.

Antenna Connector Construction

The EUT has two internal antennas arrangement, which was permanently attached, the antenna gain[#] is Main Ant for -3.9dBi and Aux Antfor-2.32dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant

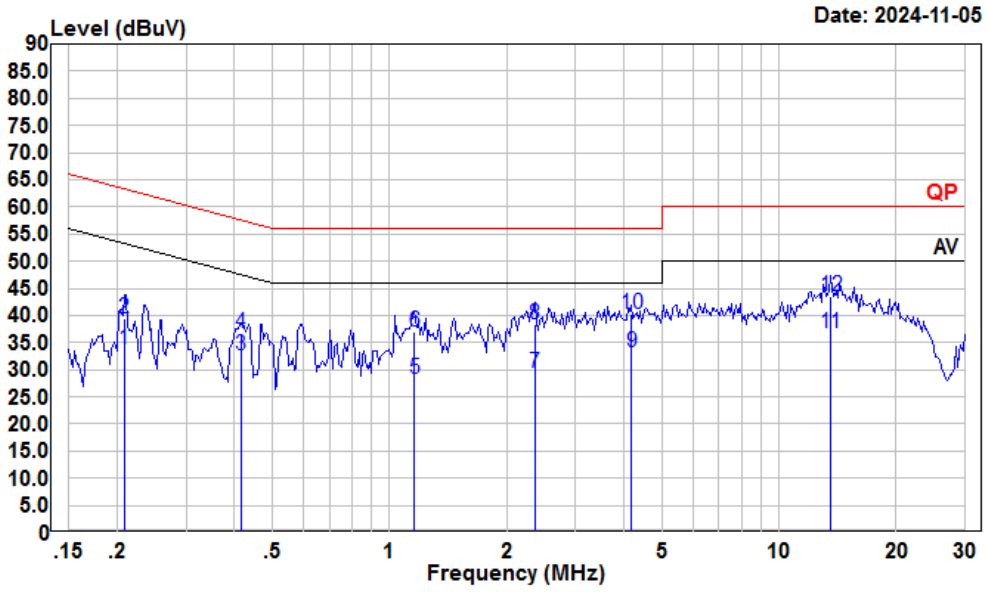
TEST DATA AND RESULTS

AC Line Conducted Emissions

Environmental Conditions

Temperature (℃)	26	**Relative Humidity (%)**	56
ATM Pressure (kPa)	101	**Test engineer**	Macy Shi
Test date	2024/11/05		
EUT operation mode	Transmitting (Maximum output power mode, Main ANT, 802.11g Mode High Channel)		

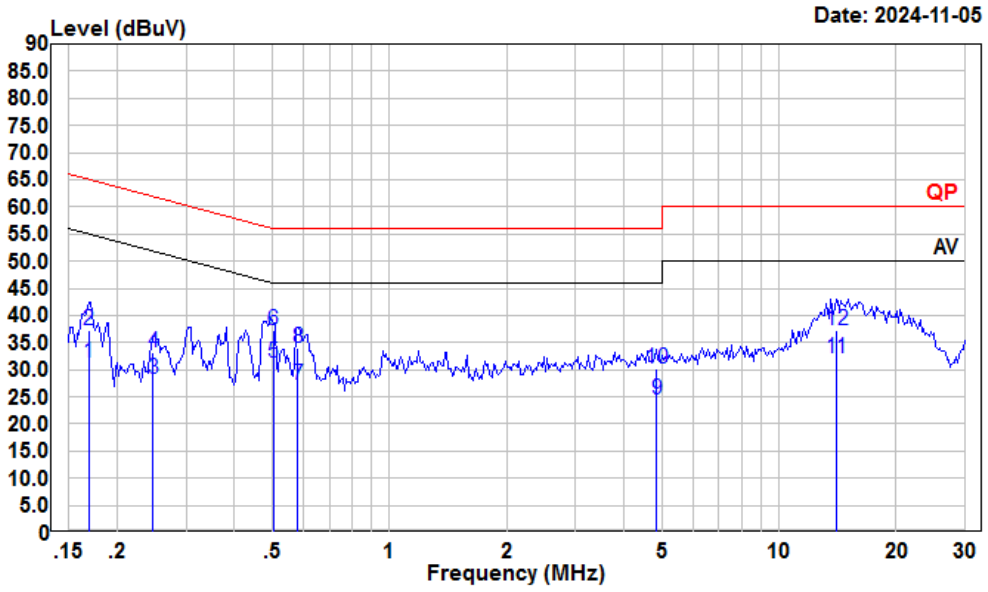
120V 60 Hz, Line



Condition: Line
Project : 2401Y58158E-RF
tester : Macy.shi
Note : Transmitting

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.208	12.87	33.75	10.79	10.09	53.27	-19.52	Average
2	0.208	18.64	39.52	10.79	10.09	63.27	-23.75	QP
3	0.415	11.99	32.66	10.56	10.11	47.55	-14.89	Average
4	0.415	16.08	36.75	10.56	10.11	57.55	-20.80	QP
5	1.160	7.69	28.26	10.44	10.13	46.00	-17.74	Average
6	1.160	16.49	37.06	10.44	10.13	56.00	-18.94	QP
7	2.358	8.60	29.31	10.53	10.18	46.00	-16.69	Average
8	2.358	17.67	38.38	10.53	10.18	56.00	-17.62	QP
9	4.180	12.71	33.23	10.32	10.20	46.00	-12.77	Average
10	4.180	19.63	40.15	10.32	10.20	56.00	-15.85	QP
11	13.551	16.00	36.82	10.60	10.22	50.00	-13.18	Average
12	13.551	22.73	43.55	10.60	10.22	60.00	-16.45	QP

120V 60 Hz, Neutral



Condition: Neutral
Project : 2401Y58158E-RF
tester : Macy.shi
Note : Transmitting

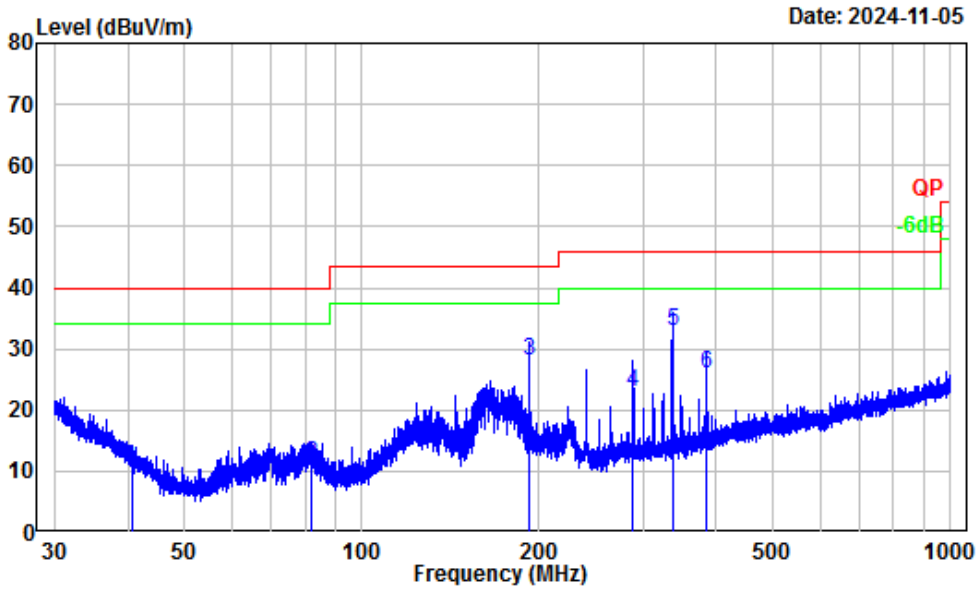
	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.169	10.61	31.23	10.52	10.10	55.03	-23.80	Average
2	0.169	16.72	37.34	10.52	10.10	65.03	-27.69	QP
3	0.247	7.82	28.37	10.47	10.08	51.86	-23.49	Average
4	0.247	12.56	33.11	10.47	10.08	61.86	-28.75	QP
5	0.502	10.37	31.21	10.70	10.14	46.00	-14.79	Average
6	0.502	16.39	37.23	10.70	10.14	56.00	-18.77	QP
7	0.582	6.50	27.32	10.70	10.12	46.00	-18.68	Average
8	0.582	13.10	33.92	10.70	10.12	56.00	-22.08	QP
9	4.848	3.83	24.51	10.50	10.18	46.00	-21.49	Average
10	4.848	9.56	30.24	10.50	10.18	56.00	-25.76	QP
11	13.989	11.12	32.14	10.80	10.22	50.00	-17.86	Average
12	13.989	16.22	37.24	10.80	10.22	60.00	-22.76	QP

Spurious Emissions

Environmental Conditions

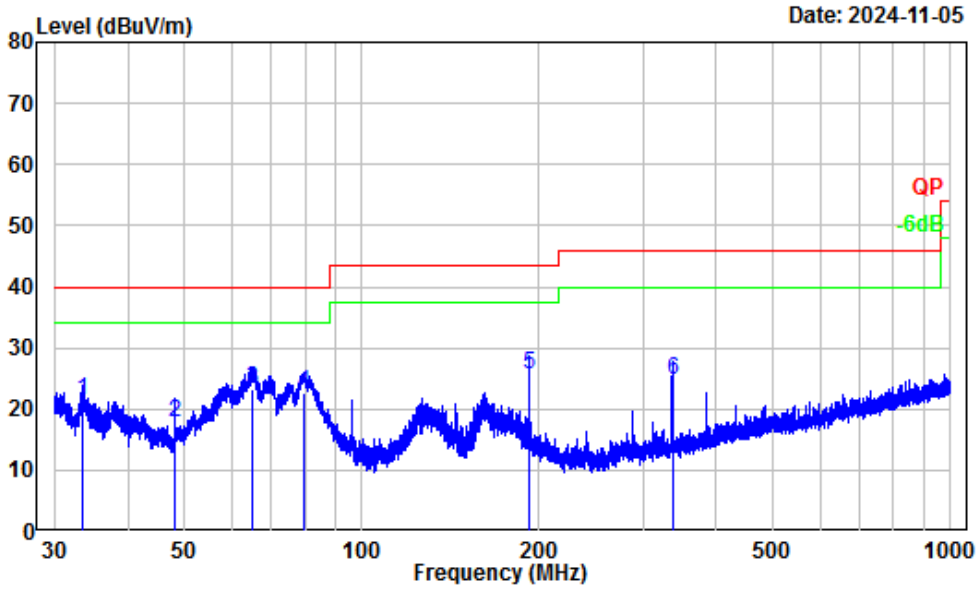
Temperature (℃)	24-25	**Relative Humidity (%)**	50-55
ATM Pressure (kPa):	101	**Test engineer:**	Anson Su & Zenos Qiao
Test date:	2024/10/31&2024/11/05		
EUT operation mode:	Below 1GHz: Transmitting(Maximum output power mode, Main ANT, 802.11g Mode High Channel) Above 1GHz: Transmitting		
Note:	After pre-scan in the X, Y and Z axes of orientation, the worst case z-axis of orientation were recorded. For the radiated spurious emission below 30MHz, the emissions are 20dB below the limit or the noise floor which are not recorded.		

Below 1GHz:



Site : Chamber A
Condition : 3m Horizontal
Project Number: 2401Y58158E-RF
Test Mode : 2.4G WIFI Transmitting
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	40.58	-13.60	23.80	10.20	40.00	-29.80	QP
2	82.03	-18.66	29.85	11.19	40.00	-28.81	QP
3	192.50	-12.98	41.03	28.05	43.50	-15.45	QP
4	288.88	-12.93	35.80	22.87	46.00	-23.13	QP
5	336.92	-12.40	45.35	32.95	46.00	-13.05	QP
6	384.94	-11.38	37.20	25.82	46.00	-20.18	QP



Site : Chamber A
Condition : 3m Vertical
Project Number: 2401Y58158E-RF
Test Mode : 2.4G WIFI Transmitting
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	33.46	-8.57	30.00	21.43	40.00	-18.57	QP
2	48.12	-18.22	36.07	17.85	40.00	-22.15	QP
3	65.20	-18.69	42.08	23.39	40.00	-16.61	QP
4	79.94	-18.56	41.20	22.64	40.00	-17.36	QP
5	192.42	-12.98	38.66	25.68	43.50	-17.82	QP
6	336.77	-12.40	37.26	24.86	46.00	-21.14	QP

Above 1GHz:
Main ANT

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/Ave					
802.11b							
Low Channel							
2384.88	55.05	PK	H	-3.20	51.85	74	-22.15
2384.88	40.92	AV	H	-3.20	37.72	54	-16.28
2386.75	54.84	PK	V	-3.20	51.64	74	-22.36
2386.75	40.78	AV	V	-3.20	37.58	54	-16.42
4824.00	47.18	PK	H	2.45	49.63	74	-24.37
4824.00	35.24	AV	H	2.45	37.69	54	-16.31
4824.00	48.07	PK	V	2.45	50.52	74	-23.48
4824.00	35.81	AV	V	2.45	38.26	54	-15.74
Middle Channel							
4874.00	46.47	PK	H	2.56	49.03	74	-24.97
4874.00	34.32	AV	H	2.56	36.88	54	-17.12
4874.00	47.26	PK	V	2.56	49.82	74	-24.18
4874.00	34.99	AV	V	2.56	37.55	54	-16.45
High Channel							
2483.94	55.90	PK	H	-3.17	52.73	74	-21.27
2483.94	41.12	AV	H	-3.17	37.95	54	-16.05
2483.69	55.71	PK	V	-3.17	52.54	74	-21.46
2483.69	40.97	AV	V	-3.17	37.80	54	-16.20
4924.00	46.82	PK	H	2.63	49.45	74	-24.55
4924.00	34.71	AV	H	2.63	37.34	54	-16.66
4924.00	47.65	PK	V	2.63	50.28	74	-23.72
4924.00	35.24	AV	V	2.63	37.87	54	-16.13

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11g							
Low Channel							
2388.90	55.21	PK	H	-3.20	52.01	74	-21.99
2388.90	41.63	AV	H	-3.20	38.43	54	-15.57
2381.14	55.02	PK	V	-3.20	51.82	74	-22.18
2381.14	41.47	AV	V	-3.20	38.27	54	-15.73
4824.00	46.55	PK	H	2.45	49.00	74	-25.00
4824.00	33.02	AV	H	2.45	35.47	54	-18.53
4824.00	46.79	PK	V	2.45	49.24	74	-24.76
4824.00	33.14	AV	V	2.45	35.59	54	-18.41
Middle Channel							
4874.00	46.28	PK	H	2.56	48.84	74	-25.16
4874.00	32.76	AV	H	2.56	35.32	54	-18.68
4874.00	46.51	PK	V	2.56	49.07	74	-24.93
4874.00	32.92	AV	V	2.56	35.48	54	-18.52
High Channel							
2483.56	56.04	PK	H	-3.17	52.87	74	-21.13
2483.56	41.96	AV	H	-3.17	38.79	54	-15.21
2483.73	55.82	PK	V	-3.17	52.65	74	-21.35
2483.73	41.78	AV	V	-3.17	38.61	54	-15.39
4924.00	46.57	PK	H	2.63	49.20	74	-24.80
4924.00	33.05	AV	H	2.63	35.68	54	-18.32
4924.00	46.88	PK	V	2.63	49.51	74	-24.49
4924.00	33.23	AV	V	2.63	35.86	54	-18.14

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11n20							
Low Channel							
2386.94	55.42	PK	H	-3.20	52.22	74	-21.78
2386.94	41.70	AV	H	-3.20	38.50	54	-15.50
2384.25	55.27	PK	V	-3.20	52.07	74	-21.93
2384.25	41.55	AV	V	-3.20	38.35	54	-15.65
4824.00	46.61	PK	H	2.45	49.06	74	-24.94
4824.00	33.07	AV	H	2.45	35.52	54	-18.48
4824.00	46.84	PK	V	2.45	49.29	74	-24.71
4824.00	33.20	AV	V	2.45	35.65	54	-18.35
Middle Channel							
4874.00	46.34	PK	H	2.56	48.90	74	-25.10
4874.00	32.89	AV	H	2.56	35.45	54	-18.55
4874.00	46.56	PK	V	2.56	49.12	74	-24.88
4874.00	33.05	AV	V	2.56	35.61	54	-18.39
High Channel							
2483.67	56.22	PK	H	-3.17	53.05	74	-20.95
2483.67	42.05	AV	H	-3.17	38.88	54	-15.12
2483.54	55.98	PK	V	-3.17	52.81	74	-21.19
2483.54	41.91	AV	V	-3.17	38.74	54	-15.26
4924.00	46.81	PK	H	2.63	49.44	74	-24.56
4924.00	33.22	AV	H	2.63	35.85	54	-18.15
4924.00	47.03	PK	V	2.63	49.66	74	-24.34
4924.00	33.39	AV	V	2.63	36.02	54	-17.98

Aux ANT

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11b							
Low Channel							
2379.68	55.04	PK	H	-3.20	51.84	74	-22.16
2379.68	40.82	AV	H	-3.20	37.62	54	-16.38
2380.91	55.26	PK	V	-3.20	52.06	74	-21.94
2380.91	40.95	AV	V	-3.20	37.75	54	-16.25
4824.00	47.08	PK	H	2.45	49.53	74	-24.47
4824.00	34.96	AV	H	2.45	37.41	54	-16.59
4824.00	47.87	PK	V	2.45	50.32	74	-23.68
4824.00	35.64	AV	V	2.45	38.09	54	-15.91
Middle Channel							
4874.00	46.19	PK	H	2.56	48.75	74	-25.25
4874.00	33.04	AV	H	2.56	35.60	54	-18.40
4874.00	46.83	PK	V	2.56	49.39	74	-24.61
4874.00	33.67	AV	V	2.56	36.23	54	-17.77
High Channel							
2483.79	55.38	PK	H	-3.17	52.21	74	-21.79
2483.79	41.06	AV	H	-3.17	37.89	54	-16.11
2483.87	55.61	PK	V	-3.17	52.44	74	-21.56
2483.87	41.19	AV	V	-3.17	38.02	54	-15.98
4924.00	46.52	PK	H	2.63	49.15	74	-24.85
4924.00	34.61	AV	H	2.63	37.24	54	-16.76
4924.00	47.30	PK	V	2.63	49.93	74	-24.07
4924.00	35.18	AV	V	2.63	37.81	54	-16.19

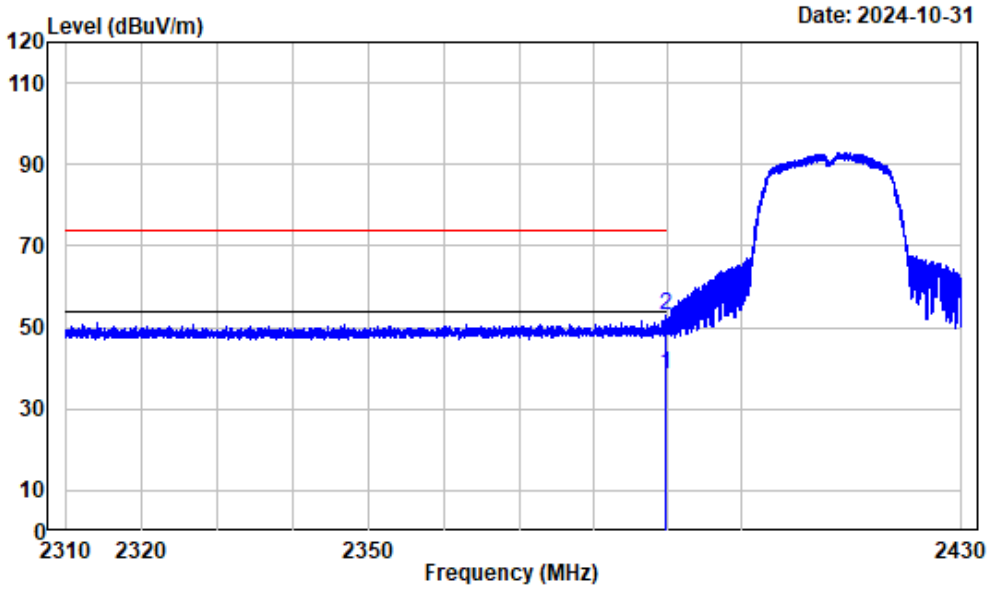
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11g							
Low Channel							
2388.50	55.24	PK	H	-3.20	52.04	74	-21.96
2388.50	41.47	AV	H	-3.20	38.27	54	-15.73
2389.36	55.55	PK	V	-3.20	52.35	74	-21.65
2389.36	41.63	AV	V	-3.20	38.43	54	-15.57
4824.00	46.32	PK	H	2.45	48.77	74	-25.23
4824.00	33.07	AV	H	2.45	35.52	54	-18.48
4824.00	46.56	PK	V	2.45	49.01	74	-24.99
4824.00	33.25	AV	V	2.45	35.70	54	-18.30
Middle Channel							
4874.00	46.26	PK	H	2.56	48.82	74	-25.18
4874.00	32.95	AV	H	2.56	35.51	54	-18.49
4874.00	46.48	PK	V	2.56	49.04	74	-24.96
4874.00	33.12	AV	V	2.56	35.68	54	-18.32
High Channel							
2483.85	55.62	PK	H	-3.17	52.45	74	-21.55
2483.85	41.78	AV	H	-3.17	38.61	54	-15.39
2483.64	55.83	PK	V	-3.17	52.66	74	-21.34
2483.64	41.94	AV	V	-3.17	38.77	54	-15.23
4924.00	46.54	PK	H	2.63	49.17	74	-24.83
4924.00	33.15	AV	H	2.63	35.78	54	-18.22
4924.00	46.76	PK	V	2.63	49.39	74	-24.61
4924.00	33.31	AV	V	2.63	35.94	54	-18.06

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11n20							
Low Channel							
4824.00	46.51	PK	H	2.45	48.96	74	-25.04
4824.00	33.14	AV	H	2.45	35.59	54	-18.41
4824.00	46.75	PK	V	2.45	49.20	74	-24.80
4824.00	33.32	AV	V	2.45	35.77	54	-18.23
Middle Channel							
4874.00	46.34	PK	H	2.56	48.90	74	-25.10
4874.00	33.02	AV	H	2.56	35.58	54	-18.42
4874.00	46.55	PK	V	2.56	49.11	74	-24.89
4874.00	33.17	AV	V	2.56	35.73	54	-18.27
High Channel							
4924.00	46.74	PK	H	2.63	49.37	74	-24.63
4924.00	33.33	AV	H	2.63	35.96	54	-18.04
4924.00	46.97	PK	V	2.63	49.60	74	-24.40
4924.00	33.48	AV	V	2.63	36.11	54	-17.89

Note:
Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
Corrected Amplitude = Corrected Factor + Reading
Margin = Corrected. Amplitude - Limit
The other spurious emission which is in the noise floor level was not recorded.

Test plots

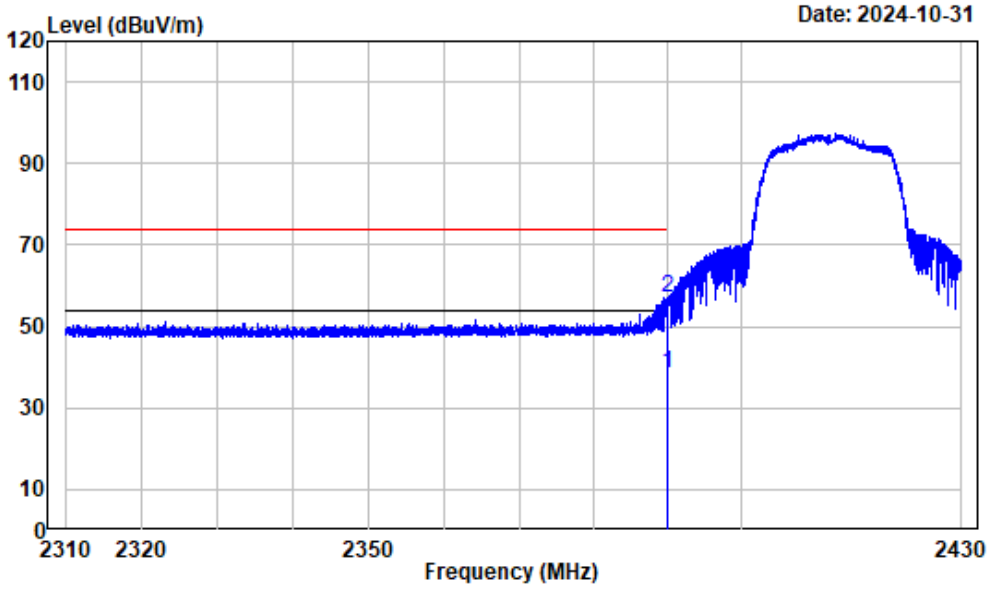
Worst Case-2.4GWiFi-Aux-n20-2412_2310-2390MHz-H



Condition : Horizontal
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Aux-n20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.780	-3.20	41.61	38.41	54.00	-15.59	Average
2	2389.780	-3.20	56.34	53.14	74.00	-20.86	Peak

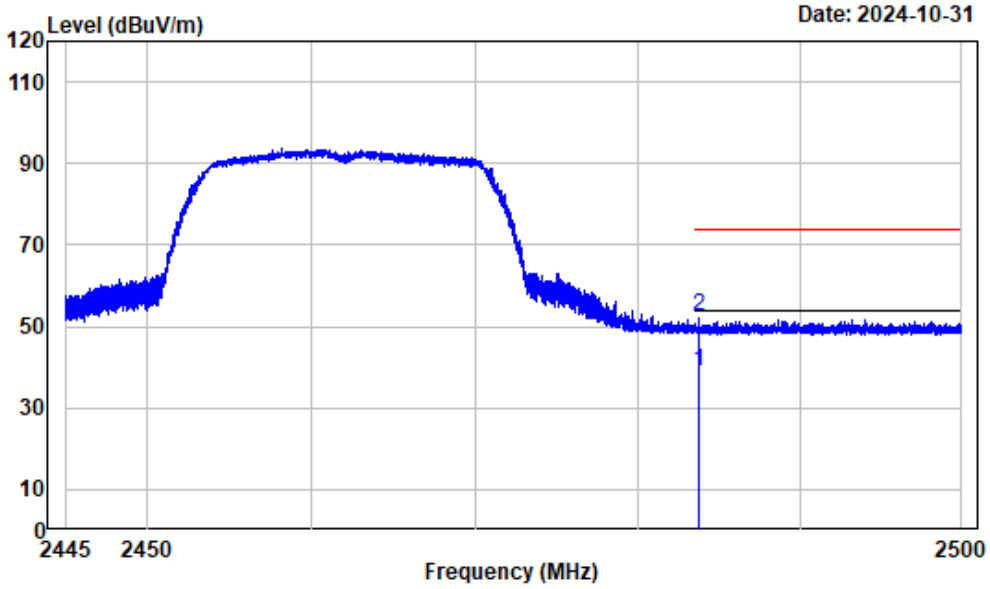
Worst Case-2.4GWiFi-Aux-n20-2412_2310-2390MHz-V



Condition : Vertical
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Aux-n20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.870	-3.20	41.74	38.54	54.00	-15.46	Average
2	2389.870	-3.20	60.48	57.28	74.00	-16.72	Peak

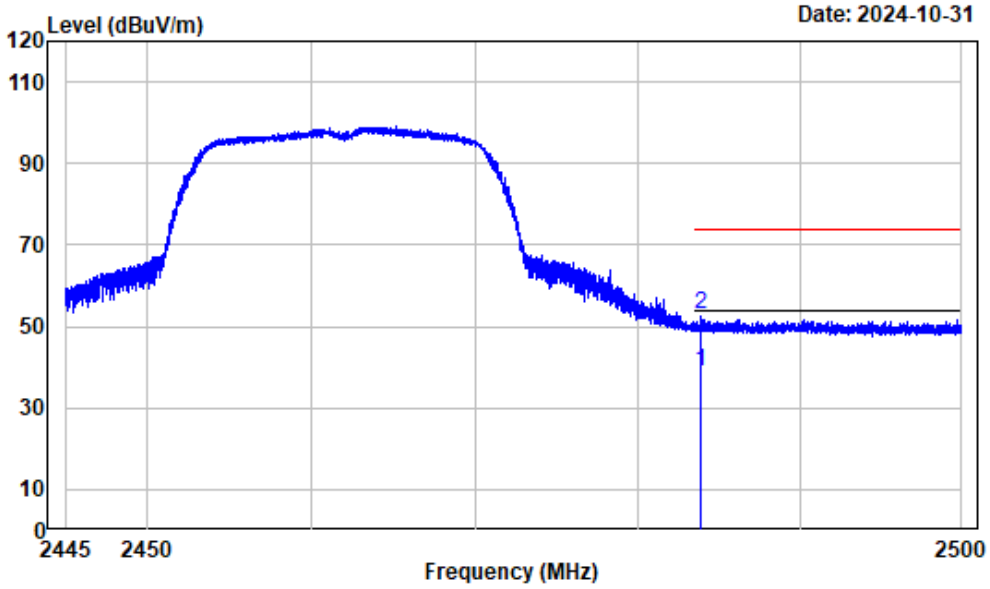
Worst Case-2.4GWiFi-Aux-n20-2462_2483.5-2500MHz-H



Condition : Horizontal
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Aux-n20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.766	-3.17	41.97	38.80	54.00	-15.20	Average
2	2483.766	-3.17	55.89	52.72	74.00	-21.28	Peak

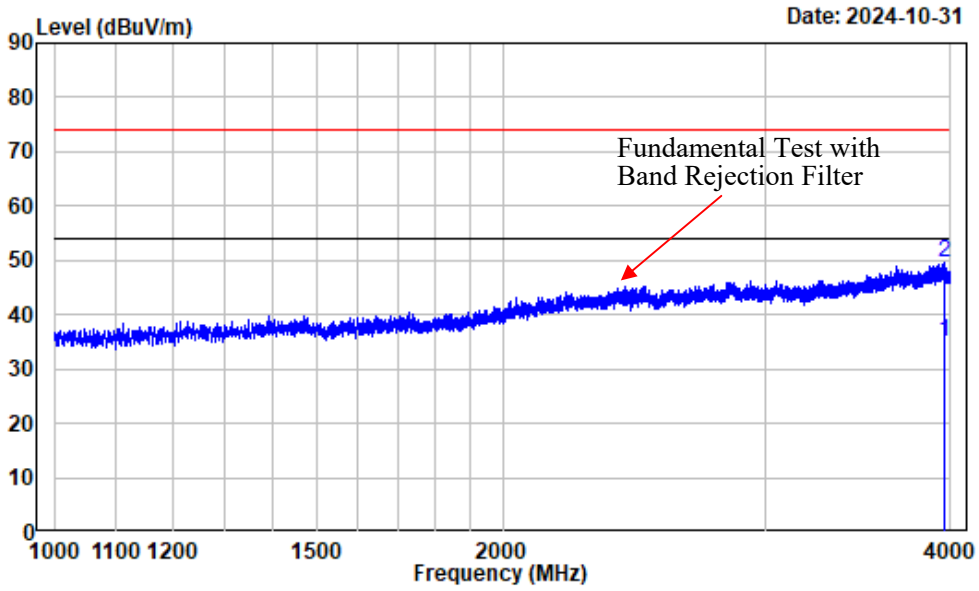
Worst Case-2.4GWiFi-Aux-n20-2462_2483.5-2500MHz-V



Condition : Vertical
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Aux-n20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.835	-3.17	42.12	38.95	54.00	-15.05	Average
2	2483.835	-3.17	56.18	53.01	74.00	-20.99	Peak

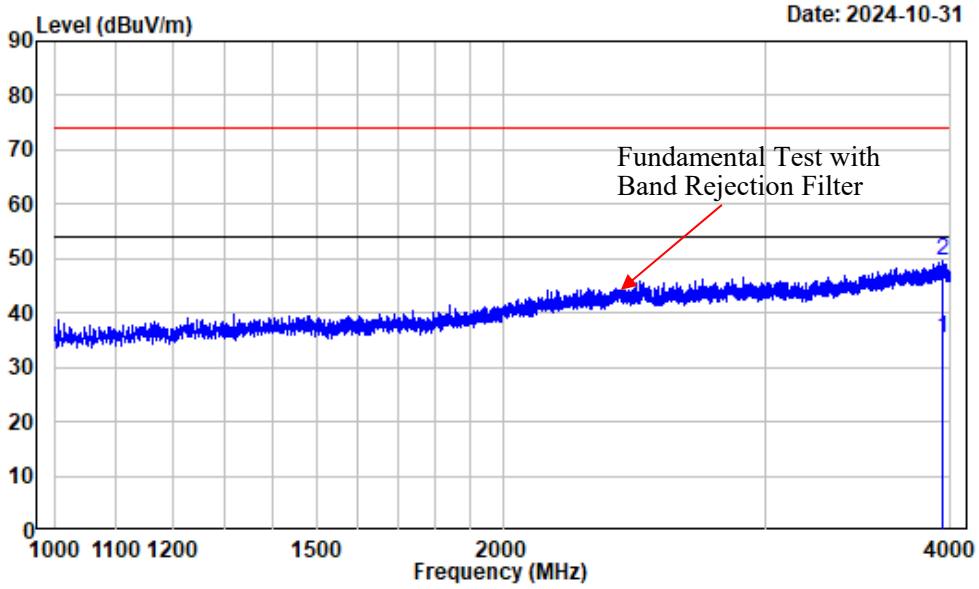
Worst Case-2.4GWiFi_Main (b Mode Low Channel) 1-4G-H



Condition : Horizontal
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Main-b-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3963.620	-0.18	35.32	35.14	54.00	-18.86	Average
2	3963.620	-0.18	49.69	49.51	74.00	-24.49	Peak

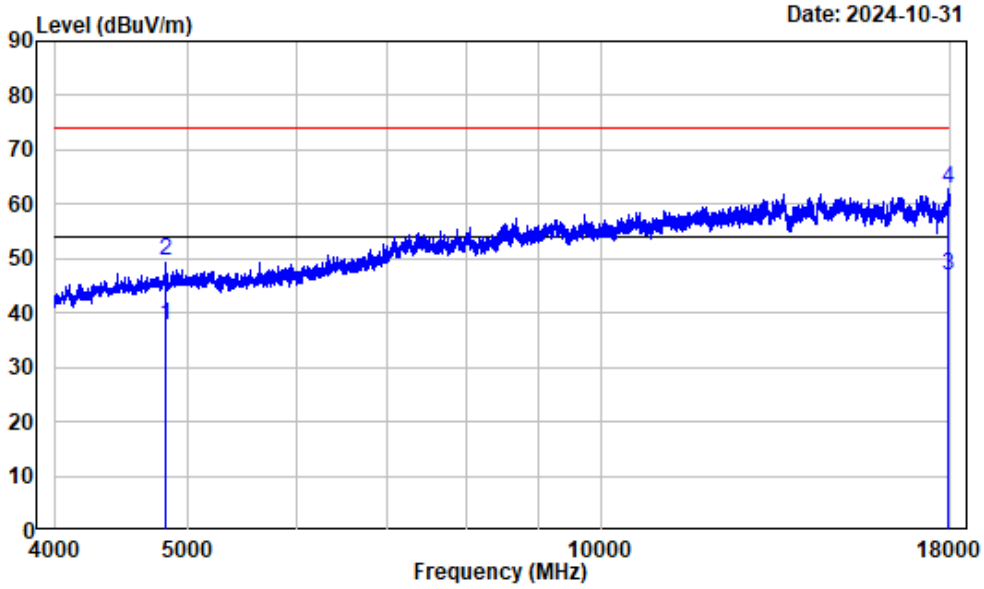
Worst Case-2.4GWiFi_Main (b Mode Low Channel) 1-4G-V



Condition : Vertical
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Main-b-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3950.869	-0.16	35.57	35.41	54.00	-18.59	Average
2	3950.869	-0.16	49.88	49.72	74.00	-24.28	Peak

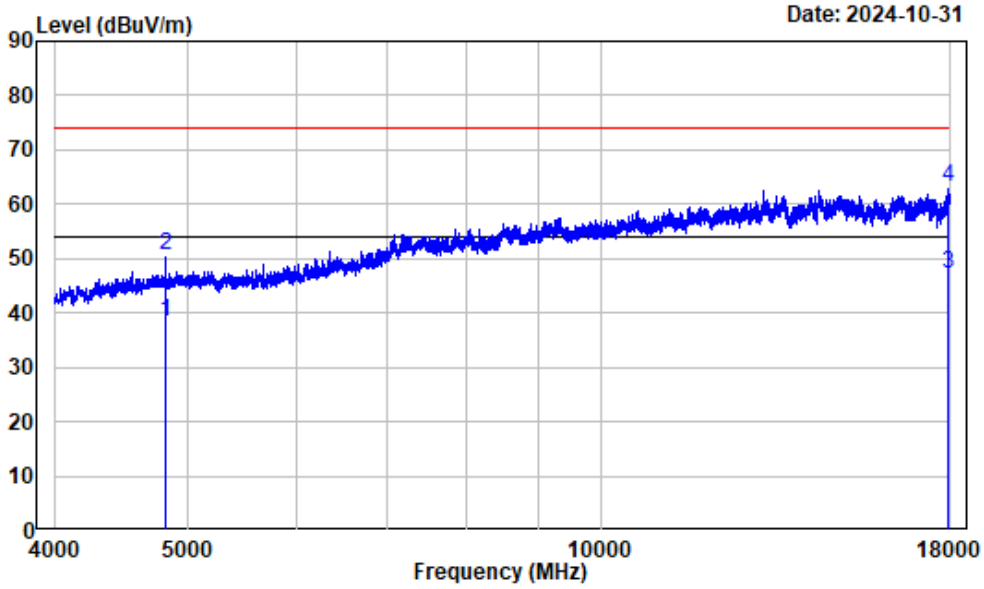
Worst Case-2.4GWiFi_Main (b Mode Low Channel) 4-18G-H



Condition : Horizontal
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Main-b-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4824.000	2.45	35.24	37.69	54.00	-16.31	Average
2	4824.000	2.45	47.18	49.63	74.00	-24.37	Peak
3	17928.240	24.11	22.87	46.98	54.00	-7.02	Average
4	17928.240	24.11	38.71	62.82	74.00	-11.18	Peak

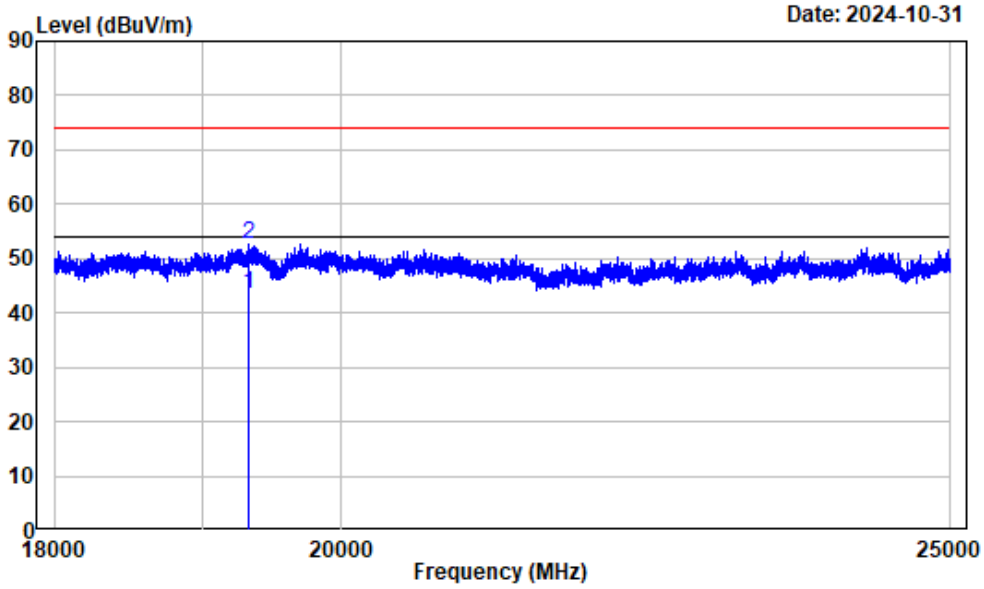
Worst Case-2.4GWiFi_Main (b Mode Low Channel) 4-18G-V



Condition : Vertical
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Main-b-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4824.000	2.45	35.81	38.26	54.00	-15.74	Average
2	4824.000	2.45	48.07	50.52	74.00	-23.48	Peak
3	17921.240	24.07	23.04	47.11	54.00	-6.89	Average
4	17921.240	24.07	38.98	63.05	74.00	-10.95	Peak

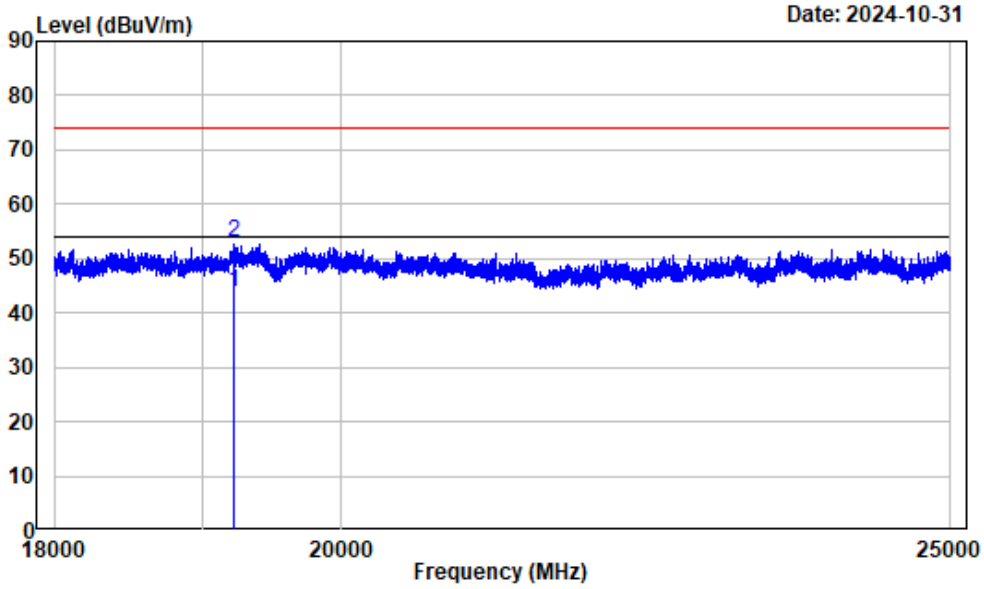
Worst Case-2.4GWiFi_Main (b Mode Low Channel) 18-25G-H



Condition : Horizontal
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Main-b-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	19323.170	15.17	28.28	43.45	54.00	-10.55	Average
2	19323.170	15.17	37.47	52.64	74.00	-21.36	Peak

Worst Case-2.4GWiFi_Main (b Mode Low Channel) 18-25G-V



Condition : Vertical
Project No.: 2401Y58158E-RF
Tester : Zenos Qiao
Note : 2.4GWiFi-Main-b-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	19222.530	15.29	28.54	43.83	54.00	-10.17	Average
2	19222.530	15.29	37.67	52.96	74.00	-21.04	Peak

6dB Emission Bandwidth

Test Information:

Sample No.:	2TGQ-2	**Test Date:**	2024/11/12~2024/11/13
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Kungfumaster Liang	**Test Result:**	Pass

Environmental Conditions:

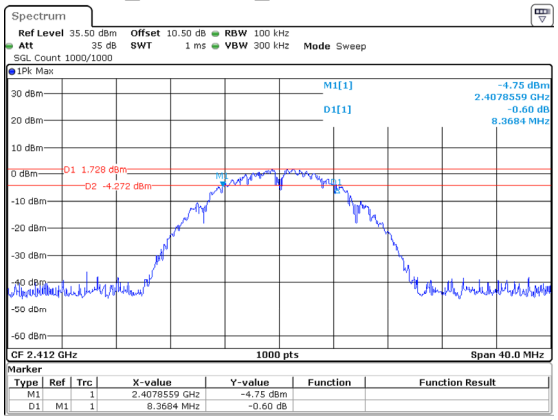
Temperature: (°C):	25-26	**Relative Humidity: (%)**	48-54	**ATM Pressure: (kPa)**	101

Test Data:

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Main ANT	2412	8.368	≥0.5	Pass
		2437	7.648	≥0.5	Pass
		2462	8.128	≥0.5	Pass
802.11g	Main ANT	2412	15.415	≥0.5	Pass
		2437	15.175	≥0.5	Pass
		2462	15.415	≥0.5	Pass
802.11n20	Main ANT	2412	15.375	≥0.5	Pass
		2437	15.175	≥0.5	Pass
		2462	16.617	≥0.5	Pass

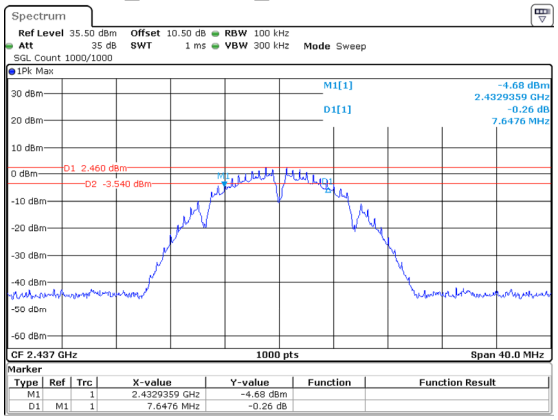
2412~2462

802.11b_2412MHz_Main ANT 8.368MHz



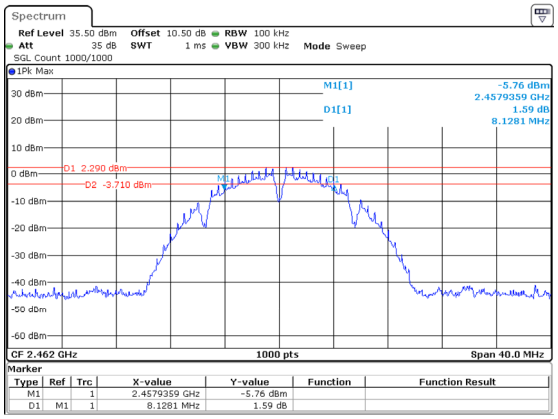
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:30:15

802.11b_2437MHz_Main ANT 7.648MHz



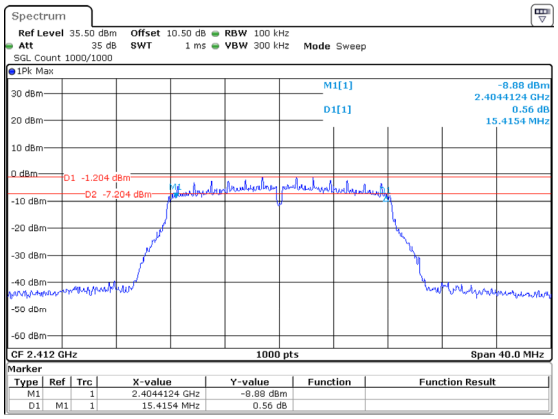
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:31:18

802.11b_2462MHz_Main ANT 8.128MHz



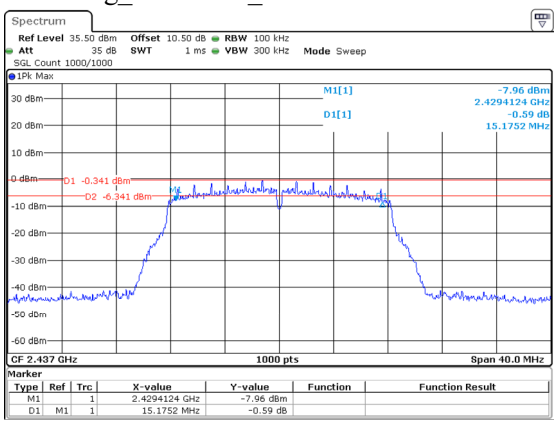
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:32:25

802.11g_2412MHz_Main ANT 15.415MHz



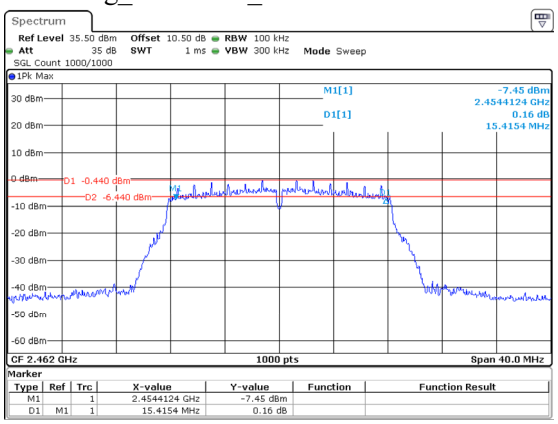
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:33:48

802.11g_2437MHz_Main ANT 15.175MHz



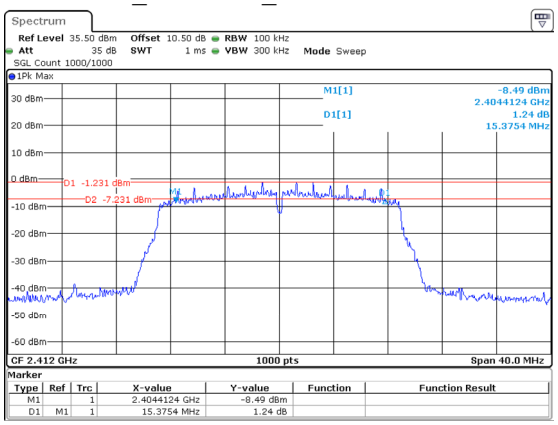
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:35:05

802.11g_2462MHz_Main ANT 15.415MHz



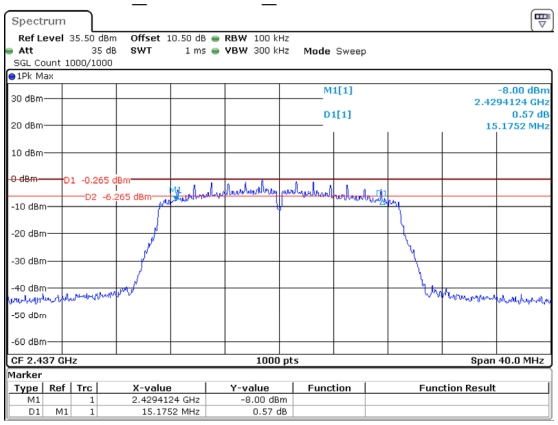
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:39:05

802.11n20_2412MHz_Main ANT 15.375MHz



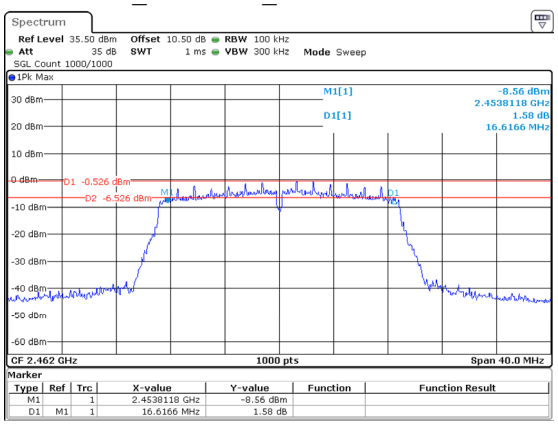
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:40:43

802.11n20_2437MHz_Main ANT 15.175MHz



ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:41:47

802.11n20_2462MHz_Main ANT 16.617MHz



ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:43:06

Maximum Conducted Output Power

Test Information:

Sample No.:	2TGQ-2	**Test Date:**	2024/11/12~2024/11/19
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Kungfumaster Liang	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	25-26	**Relative Humidity: (%)**	48-54	**ATM Pressure: (kPa)**	101

Test Data:

Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	Main ANT	2412	12.61	9.62	30	Pass
		2437	13.62	10.47	30	Pass
		2462	13.47	10.72	30	Pass
	Aux ANT	2412	13.60	10.63	30	Pass
		2437	13.88	10.63	30	Pass
		2462	13.36	10.69	30	Pass
802.11g	Main ANT	2412	16.97	9.42	30	Pass
		2437	17.58	10.08	30	Pass
		2462	17.88	10.32	30	Pass
	Aux ANT	2412	17.72	10.20	30	Pass
		2437	17.74	10.30	30	Pass
		2462	17.70	10.31	30	Pass
802.11n20	Main ANT	2412	16.67	9.29	30	Pass
		2437	17.57	10.12	30	Pass
		2462	17.84	10.40	30	Pass
	Aux ANT	2412	17.44	10.04	30	Pass
		2437	17.43	10.05	30	Pass
		2462	17.81	10.33	30	Pass

Power Spectral Density

Test Information:

Sample No.:	2TGQ-2	**Test Date:**	2024/11/12~2024/11/13
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Kungfumaster Liang	**Test Result:**	Pass

Environmental Conditions:

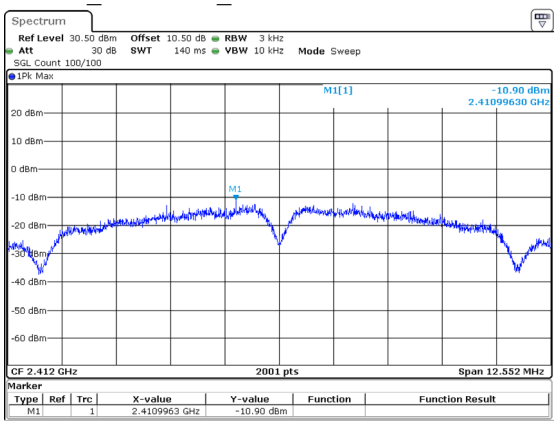
Temperature: (°C):	25-26	**Relative Humidity: (%)**	48-54	**ATM Pressure: (kPa)**	101

Test Data:

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	Main ANT	2412	-10.90	8	Pass
		2437	-10.56	8	Pass
		2462	-11.47	8	Pass
	Aux ANT	2412	-11.54	8	Pass
		2437	-11.12	8	Pass
		2462	-10.43	8	Pass
802.11g	Main ANT	2412	-13.74	8	Pass
		2437	-14.07	8	Pass
		2462	-13.20	8	Pass
	Aux ANT	2412	-14.00	8	Pass
		2437	-12.62	8	Pass
		2462	-12.59	8	Pass
802.11n20	Main ANT	2412	-13.70	8	Pass
		2437	-13.84	8	Pass
		2462	-13.27	8	Pass
	Aux ANT	2412	-14.05	8	Pass
		2437	-14.04	8	Pass
		2462	-13.59	8	Pass

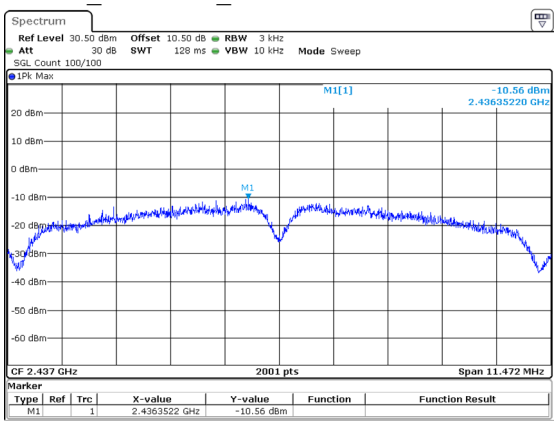
2412~2462

802.11b_2412MHz_Main ANT -10.90dBm/3kHz



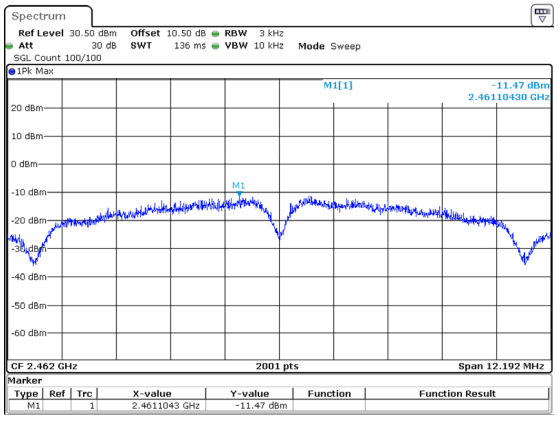
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:57:35

802.11b_2437MHz_Main ANT -10.56dBm/3kHz



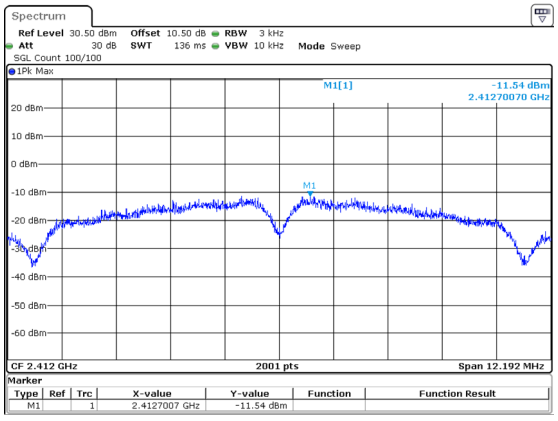
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:59:00

802.11b_2462MHz_Main ANT -11.47dBm/3kHz



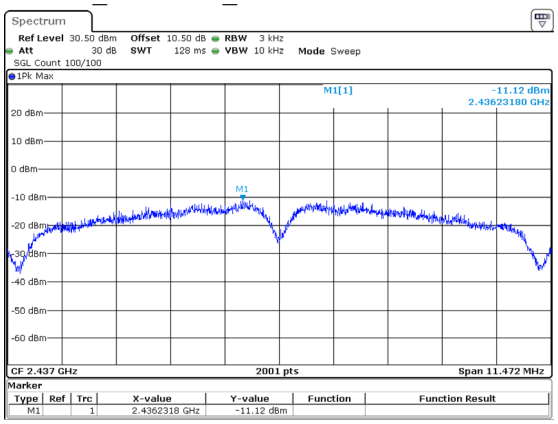
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:59:44

802.11b_2412MHz_Aux ANT -11.54dBm/3kHz



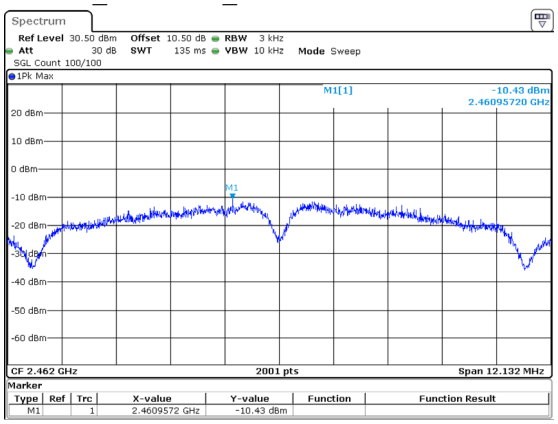
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 13.NOV.2024 00:31:57

802.11b_2437MHz_Aux ANT -11.12dBm/3kHz



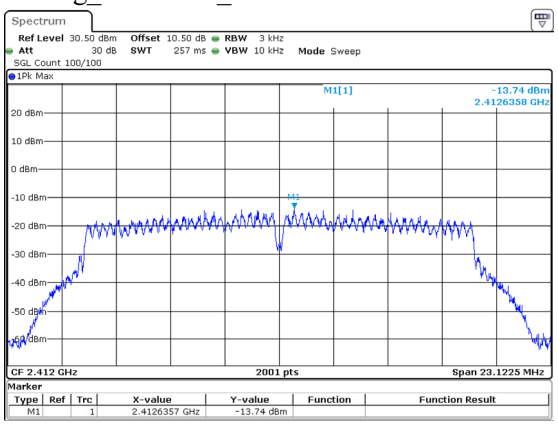
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 13.NOV.2024 00:32:43

802.11b_2462MHz_Aux ANT -10.43dBm/3kHz

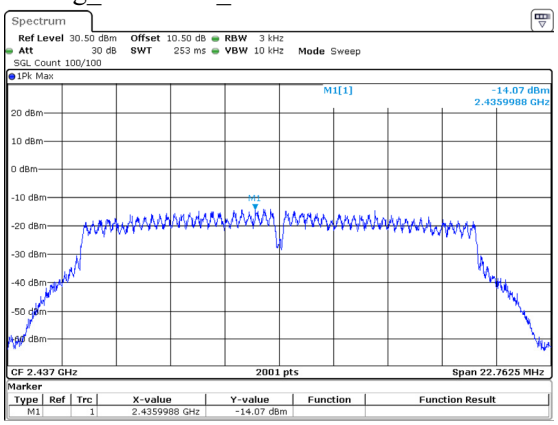


ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 13.NOV.2024 00:33:31

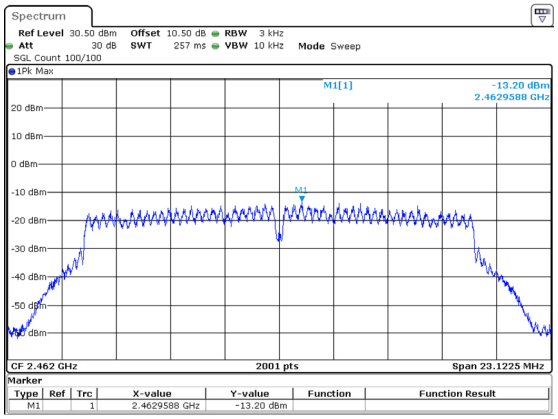
802.11g_2412MHz_Main ANT -13.74dBm/3kHz



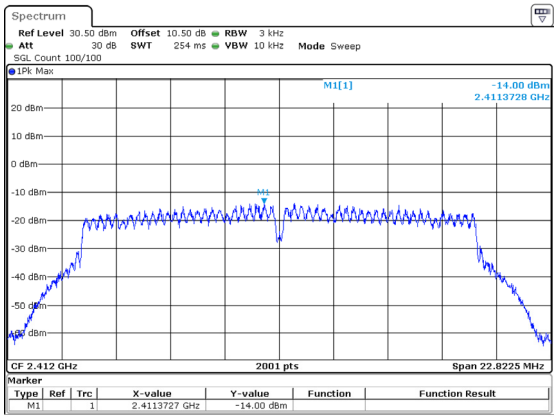
802.11g_2437MHz_Main ANT -14.07dBm/3kHz



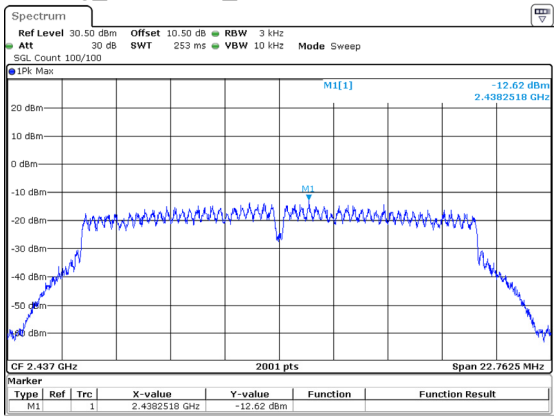
802.11g_2462MHz_Main ANT -13.20dBm/3kHz



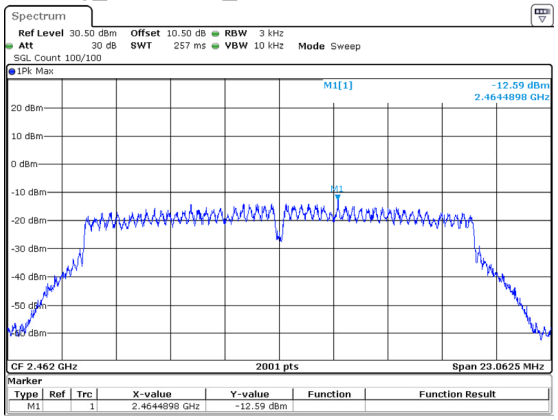
802.11g_2412MHz_Aux ANT -14.00dBm/3kHz



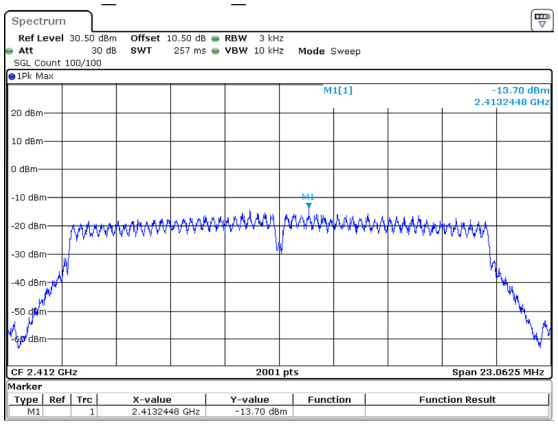
802.11g_2437MHz_Aux ANT -12.62dBm/3kHz



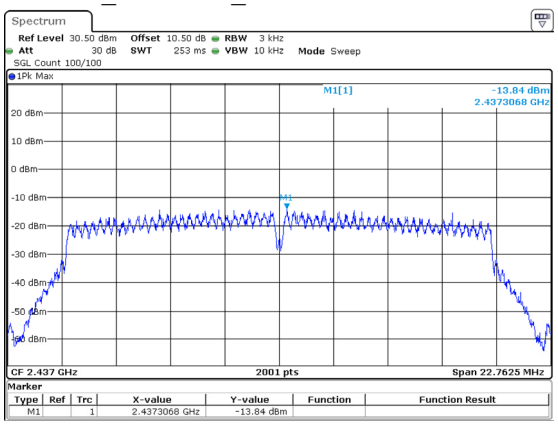
802.11g_2462MHz_Aux ANT -12.59dBm/3kHz



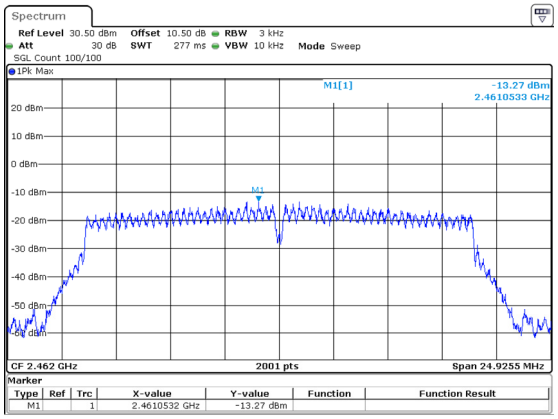
802.11n20_2412MHz_Main ANT -13.70dBm/3kHz



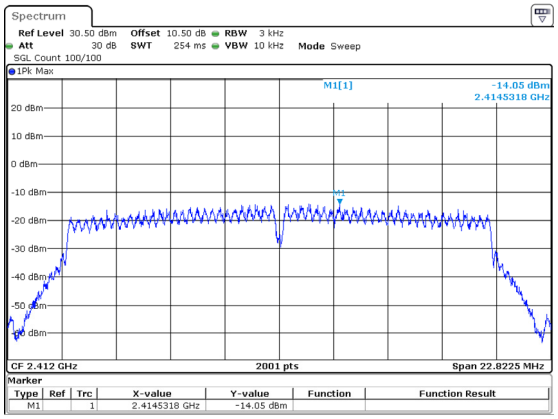
802.11n20_2437MHz_Main ANT -13.84dBm/3kHz



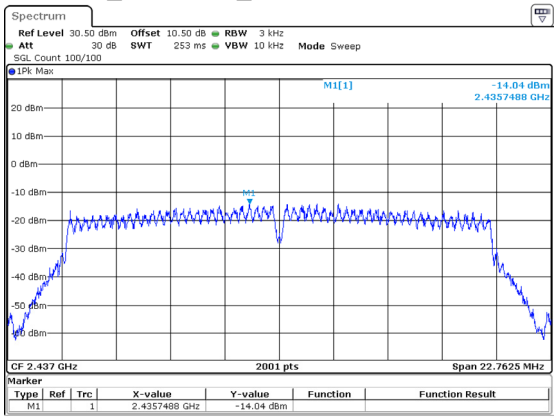
802.11n20_2462MHz_Main ANT -13.27dBm/3kHz



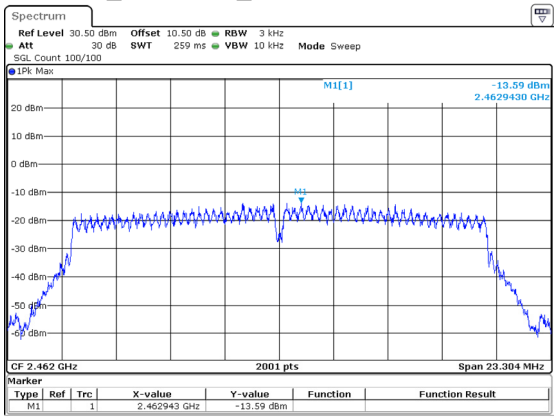
802.11n20_2412MHz_Aux ANT -14.05dBm/3kHz



802.11n20_2437MHz_Aux ANT -14.04dBm/3kHz



802.11n20_2462MHz_Aux ANT -13.59dBm/3kHz



100 kHz Bandwidth of Frequency Band Edge

Test Information:

Sample No.:	2TGQ-2	**Test Date:**	2024/11/12
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Kungfumaster Liang	**Test Result:**	Pass

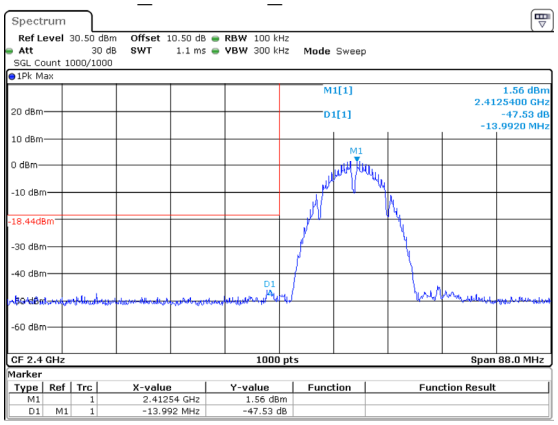
Environmental Conditions:

Temperature: (°C):	25-26	**Relative Humidity: (%)**	48-54	**ATM Pressure: (kPa)**	101

Test Data:

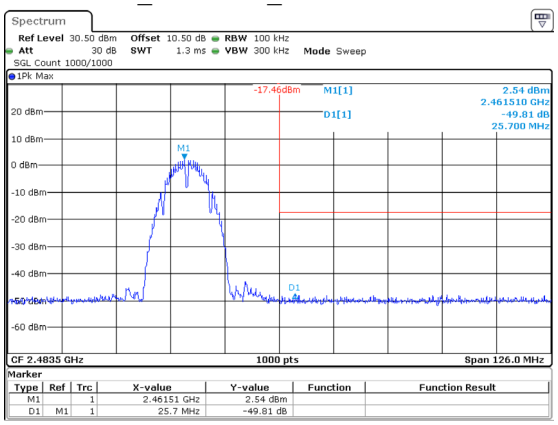
2412~2462

802.11b_2412MHz_Main ANT 47.53dB



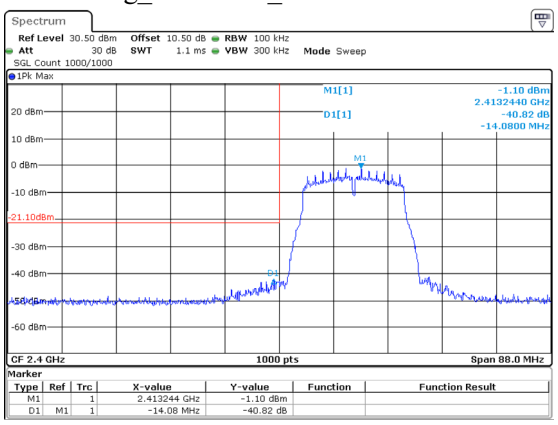
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:52:10

802.11b_2462MHz_Main ANT 49.81dB



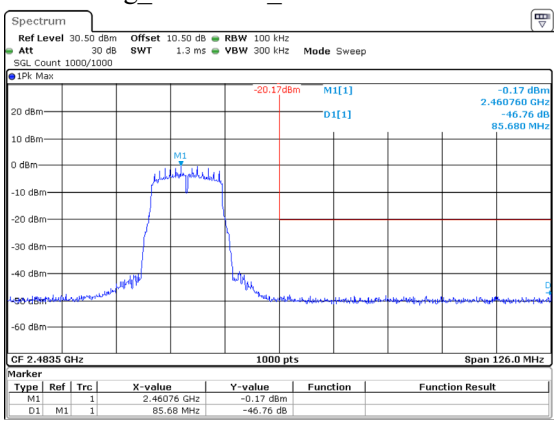
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:53:01

802.11g_2412MHz_Main ANT 40.82dB



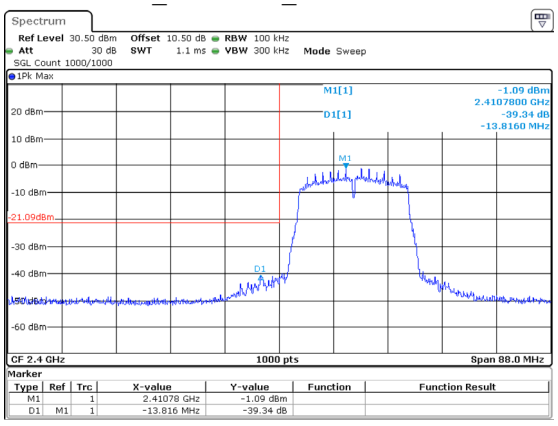
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:53:50

802.11g_2462MHz_Main ANT 46.76dB



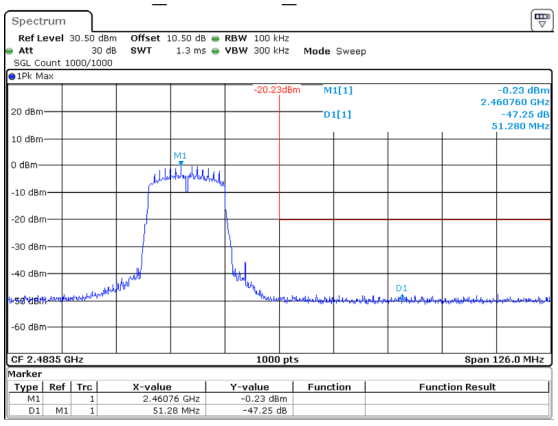
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:54:40

802.11n20_2412MHz_Main ANT 39.34dB



ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:55:21

802.11n20_2462MHz_Main ANT 47.25dB



ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:56:05

Duty Cycle

Test Information:

Sample No.:	2TGQ-2	**Test Date:**	2024/11/12
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Kungfumaster Liang	**Test Result:**	N/A

Environmental Conditions:

Temperature: (°C):	25-26	**Relative Humidity: (%)**	48-54	**ATM Pressure: (kPa)**	101

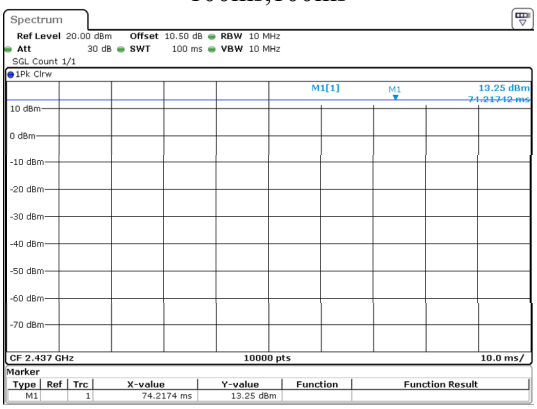
Test Data:

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	Main ANT	2437	100	100	100	0	NA	0.010
802.11g	Main ANT	2437	100	100	100	0	NA	0.010
802.11n20	Main ANT	2437	100	100	100	0	NA	0.010

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

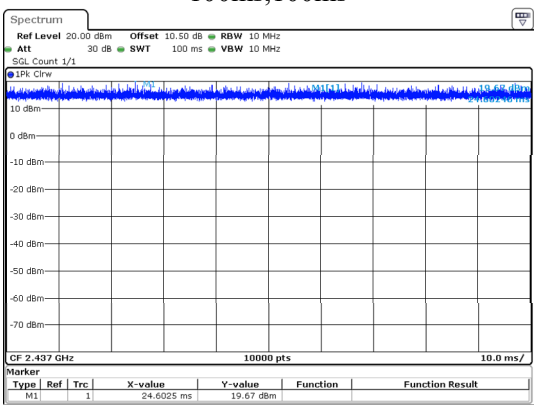
2412~2462

802.11b_2437MHz_Main ANT
100ms,100ms



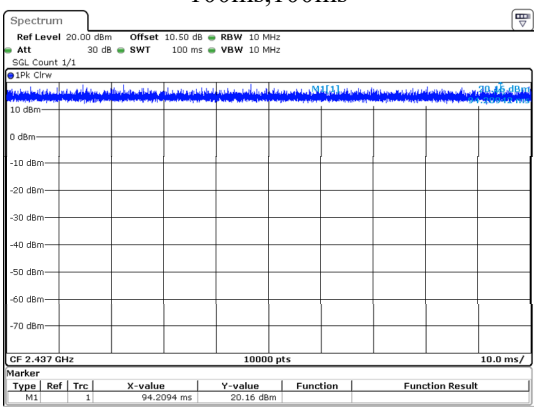
ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:18:02

802.11g_2437MHz_Main ANT
100ms,100ms



ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:16:18

802.11n20_2437MHz_Main ANT
100ms,100ms



ProjectNo.:2401Y58158E-RF Tester:Kungfumaster Liang
Date: 12.NOV.2024 23:17:18

RF EXPOSURE EVALUATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliance, please refer to the SAR report: 2401Y58158E-SA.

EUT PHOTOGRAPHS

Please refer to the attachment 2401Y58158E-RF External photo and 2401Y58158E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401Y58158E-RF-00A Test Setup photo.

******* END OF REPORT *******