



FCC PART 15.247

TEST REPORT

For

Fujian Newland Auto-ID Tech Co., Ltd.

Newland Science & Technology Park No.1 Rujiang West Rd., Mawei district, Fuzhou, Fujian, China

FCC ID: SL9NLS-NQUIRE

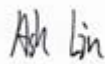
Report Type: Original Report	Product Name: Information Terminal
Report Number:	2407V20721E-RF-02
Report Date:	2025-01-06
Reviewed By:	Ash Lin 
Approved By:	Miles Chen
Prepared By:	Bay Area Compliance Laboratories Corp. (Xiamen) Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen Tel: +86-592-3200111 www.baclcorp.com.cn

TABLE OF CONTENTS

REPORT REVISION HISTORY.....	4
GENERAL INFORMATION.....	5
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
OBJECTIVE	5
TEST METHODOLOGY	5
MEASUREMENT UNCERTAINTY	6
SYSTEM TEST CONFIGURATION.....	7
TEST MODE AND VOLTAGE.....	7
DESCRIPTION OF TEST CONFIGURATION	7
EQUIPMENT MODIFICATIONS	7
★EUT EXERCISE SOFTWARE	7
DUTY CYCLE	8
SUPPORT EQUIPMENT LIST AND DETAILS	10
EXTERNAL I/O CABLE.....	10
BLOCK DIAGRAM OF TEST SETUP	11
SUMMARY OF TEST RESULTS	13
TEST EQUIPMENT LIST	14
FCC §15.203 - ANTENNA REQUIREMENT.....	15
APPLICABLE STANDARD	15
ANTENNA CONNECTOR CONSTRUCTION	15
FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS	16
APPLICABLE STANDARD	16
EUT SETUP.....	16
EMI TEST RECEIVER SETUP.....	16
TEST PROCEDURE	16
RESULT & MARGIN CALCULATION.....	17
TEST DATA	17
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS.....	26
APPLICABLE STANDARD	26
EUT SETUP	26
EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP	27
TEST PROCEDURE	28
RESULT & MARGIN CALCULATION.....	29
TEST DATA	30
FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH.....	310
APPLICABLE STANDARD	310
EUT SETUP	310
TEST PROCEDURE	310
TEST DATA	310
FCC §15.247(b) (3) - MAXIMUM CONDUCTED OUTPUT POWER.....	317
APPLICABLE STANDARD	317
EUT SETUP	317
TEST PROCEDURE	317
TEST DATA	317
FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE.....	318
APPLICABLE STANDARD	318

EUT SETUP	318
TEST PROCEDURE	318
TEST DATA	318
FCC §15.247(e) - POWER SPECTRAL DENSITY	323
APPLICABLE STANDARD	323
EUT SETUP	323
TEST PROCEDURE	323
TEST DATA	324
EUT PHOTOGRAPHS.....	331
TEST SETUP PHOTOGRAPHS	332

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2407V20721E-RF-02	R1V1	2025-01-06	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:		Fujian Newland Auto-ID Tech Co., Ltd.
Trade Mark:		Newland
Product Name:		Information Terminal
Tested Model:		NLS-NQuire1500, NLS-NQuire500, NLS-NQuire700, NLS-NQuire1000
NLS-NQuire1500 Series Model(s):		NLS-NQuire
Adapter Information	Model:	R361-1203000I
	Input:	AC 100-240V, 50/60Hz, 1.5A
	Output:	DC 12.0V, 3.0A
Power Supply:		DC 12V from adapter
Maximum Peak Conducted Output Power:		23.305 dBm
Frequency Range:		802.11b/g/n20: 2412-2462 MHz 802.11n40: 2422-2452 MHz
Modulation Technique:		802.11b:DSSS 802.11g/n:OFDM
Antenna Type:		FPC Antenna
★Maximum Antenna Gain:		NLS-NQuire1500: 1.29dBi NLS-NQuire500: 3.8dBi NLS-NQuire700: 0.46dBi NLS-NQuire1000: 5.48dBi
EUT Received Status:		Good
<i>Note:</i> 1. The Maximum Antenna Gain was declared by manufacturer. 2. All models have the same motherboard except for screen size, USB interface and antenna. NLS-NQuire is identify with NLS-NQuire1500 except for the model name, please refer to declaration for more details. 3. All measurement and test data in this report was gathered from production sample serial number: 2ORR-1(NLS-NQuire1500), 2PL7-1(NLS-NQuire500), 2PL8-1(NLS-NQuire700), 2PL5-1 (NLS-NQuire1000) (Assigned by the BACL (Xiamen). The EUT supplied by the applicant was received on 2024-08-02) 4. All models have the same RF circuit design. Therefore, except for the NLS-NQuire1500 model, other models are only tested for AC line conducted emissions and radiated spurious emissions.		

Objective

This report is prepared on behalf of *Fujian Newland Auto-ID Tech Co., Ltd.* 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.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone Xiamen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

Measurement Uncertainty

Item		U_{lab}
Conducted Emission	150kHz-30MHz	2.33 dB
Radiated Emission	9kHz-30MHz	2.59 dB
	30MHz~200MHz	4.38 dB
	200MHz~1GHz	4.50 dB
	1GHz~6GHz	4.6 dB
	6GHz-18GHz	5.42 dB
	18GHz~26.5GHz	5.47 dB
Occupied Channel Bandwidth		0.053 kHz
Transmitter Conducted Power(Conducted RF power)		0.624 dB
Power Spectral Density		0.61 dB
Duty Cycle		1%
Temperature		1°C
Humidity		5%
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.

SYSTEM TEST CONFIGURATION

Test Mode and Voltage

The system was configured for testing in a typical mode (as normally used by a typical user).	
Test mode:	Test mode 1: Transmitting
Test voltage:	AC 120V/60Hz

Description of Test Configuration

For 802.11b, 802.11g, 802.11n-HT20, 802.11n-HT40 mode, 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	/	/

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

For 802.11n-HT40 mode, EUT was tested with Channel 3, 6 and 9.

Equipment Modifications

No modification was made to the EUT tested.

★EUT Exercise Software

The system was configured for testing in Engineering Mode, which was provided by the manufacturer.

The device was tested with the worst case was performed as below:

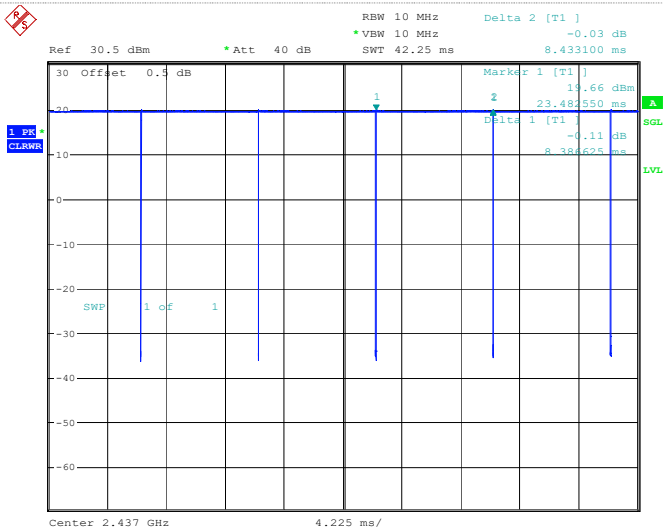
Test Modes	Test Channels	Test Frequency	Data rate	Power Level Setting
802.11b	Lowest	2412	1Mbps	19
	Middle	2437	1Mbps	19
	Highest	2462	1Mbps	19
802.11g	Lowest	2412	6Mbps	16
	Middle	2437	6Mbps	16
	Highest	2462	6Mbps	16
802.11n ht20	Lowest	2412	MCS0	15
	Middle	2437	MCS0	15
	Highest	2462	MCS0	15
802.11n ht40	Lowest	2422	MCS0	13
	Middle	2437	MCS0	13
	Highest	2452	MCS0	13

Pre-scan with all the data rates, the above data rate is the worst case for Wi-Fi test.

Duty Cycle

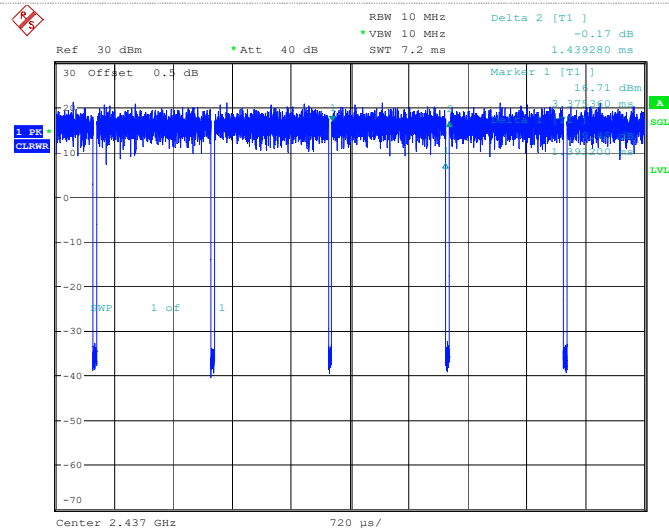
Modes	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	1/T (Hz)	Duty Factor (dB)	VBW Setting (kHz)
802.11b	8.387	8.433	99.45	119	/	0.2
802.11g	1.393	1.439	96.80	718	0.14	1
802.11n ht20	1.299	1.345	96.58	770	0.15	1
802.11n ht40	0.648	0.692	93.64	1543	0.29	2

802.11b Middle Channel



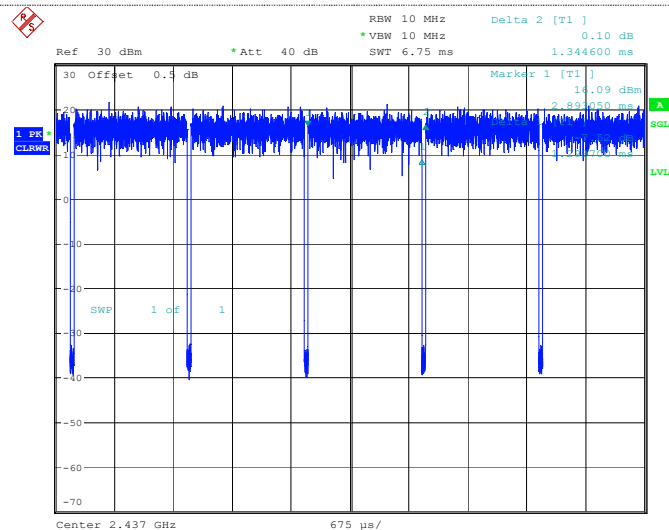
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 5.AUG.2024 16:05:08

802.11g Middle Channel



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 5.AUG.2024 16:05:46

802.11n ht20 Middle Channel



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 5.AUG.2024 16:06:32

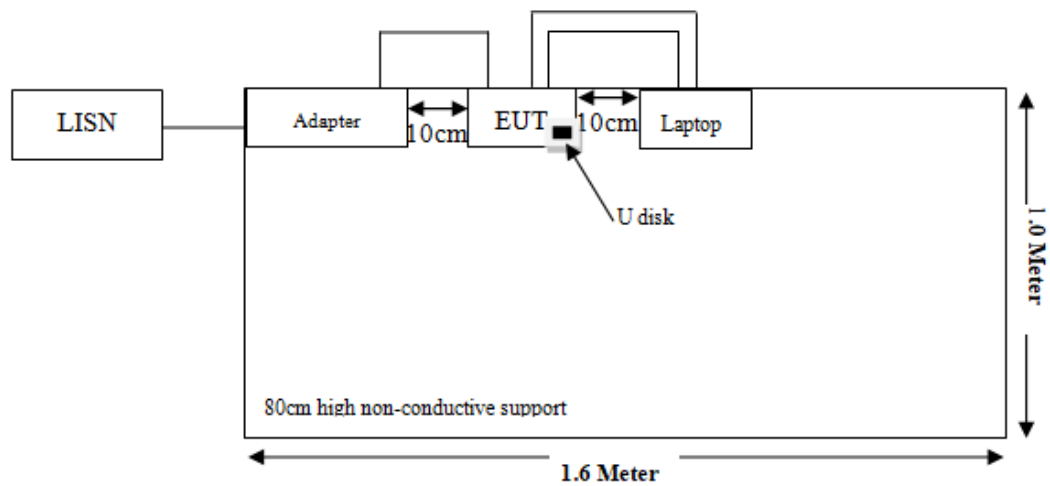
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 5.AUG.2024 16:07:09

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T480	PF1P5K4F
Kingston	U disk	DTSE9G3	Unknown

Cable Description	Length (m)	From Port	To
Network cable	1	EUT	Laptop
USB cable	1	EUT	Laptop

Block Diagram of Test Setup

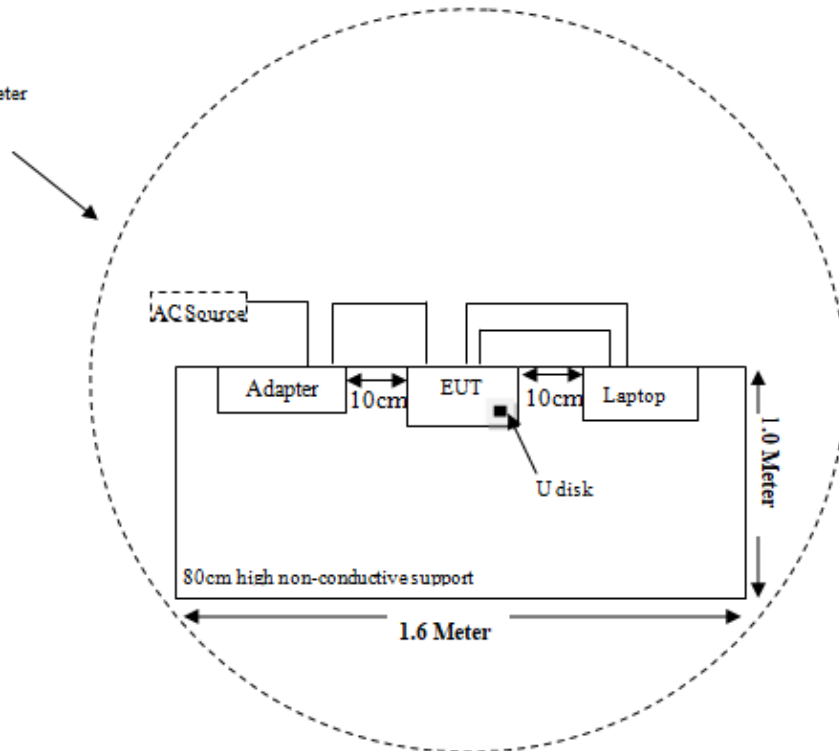
Conducted Emission:



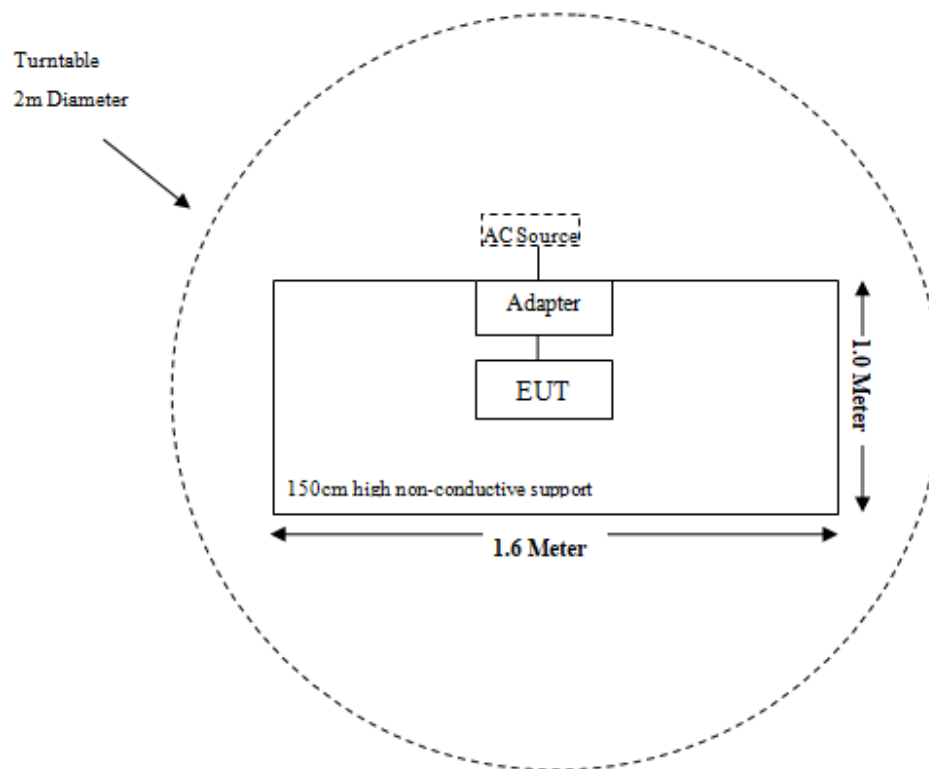
Radiated Emission:

Below 1GHz

Turntable
2m Diameter



Above 1GHz



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
§15.247(b)(3)	Maximum Conducted Output Power	Compliance
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliance
§15.247(e)	Power Spectral Density	Compliance

TEST EQUIPMENT LIST

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions					
EMI Test Receiver	Rohde & Schwarz	ESR	103105	2024/03/29	2025/03/28
LISN	Rohde & Schwarz	ENV216	100129	2024/03/29	2025/03/28
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC001	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Below 1GHz					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2024/03/29	2025/03/28
Loop Antenna	Rohde & Schwarz	HFH2-Z2	830749/001	2023/07/27	2026/07/26
Antenna	Sunol Sciences	JB6	A122022-5	2023/07/27	2026/07/26
Amplifier	Sonoma	310B	120903	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	HFH2-CC	335.3609	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Above 1 GHz					
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2024/03/29	2025/03/28
Filter Switch Unit	Decentest	DT7220FSU	DS79904	2024/02/23	2025/02/22
Multiplex Switch Test Control Set	Decentest	DT7220SCU	DS79901	2024/02/23	2025/02/22
Double Ridge Guide Horn Antenna	A.H.Systems	SAS-571	1980	2023/07/28	2026/07/27
Horn Antenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Horn Antenna	EMCO	3116	9407-2232	2023/07/31	2026/07/30
Preamplifier	A.H.Systems	PAM-0118P	489	2024/03/29	2025/03/28
Preamplifier	A.H.Systems	PAM-1840	200	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-3M	CC008	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-1M	CC009	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A
RF Conducted Test					
Spectrum Analyzer	Rohde & Schwarz	FSU	100405	2024/03/29	2025/03/28
Coaxial Cable	Lianxun	RF113	N/A	Each time	N/A
USB Wideband Power Sensor	Boonton	55318	8934	2023/09/20	2024/09/19

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

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to § 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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has one FPC antenna arrangement for WIFI, which was permanently attached and the antenna gain is below, fulfill the requirement of this section. Please refer to the EUT photos.

Model	NLS-NQuire1500	NLS-NQuire500	NLS-NQuire700	NLS-NQuire1000
Antenna Gain	1.29 dBi	3.8 dBi	0.46 dBi	5.48 dBi

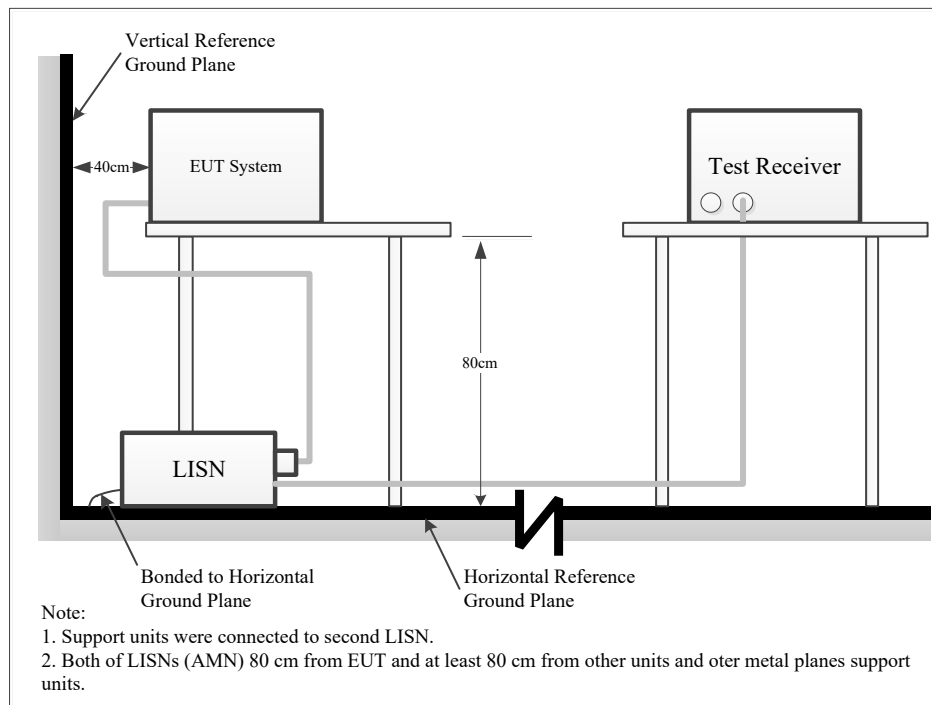
Result: Compliance

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

EUT Setup



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

During the conducted emission test, the adapter was connected to the outlet of the LISN.

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.

Result & Margin Calculation

The Result is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\begin{aligned}\text{Factor (dB)} &= \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)} \\ \text{Result (dB}\mu\text{V)} &= \text{Reading (dB}\mu\text{V)} + \text{Factor (dB)}\end{aligned}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V)} - \text{Result (dB}\mu\text{V)}$$

Test Data

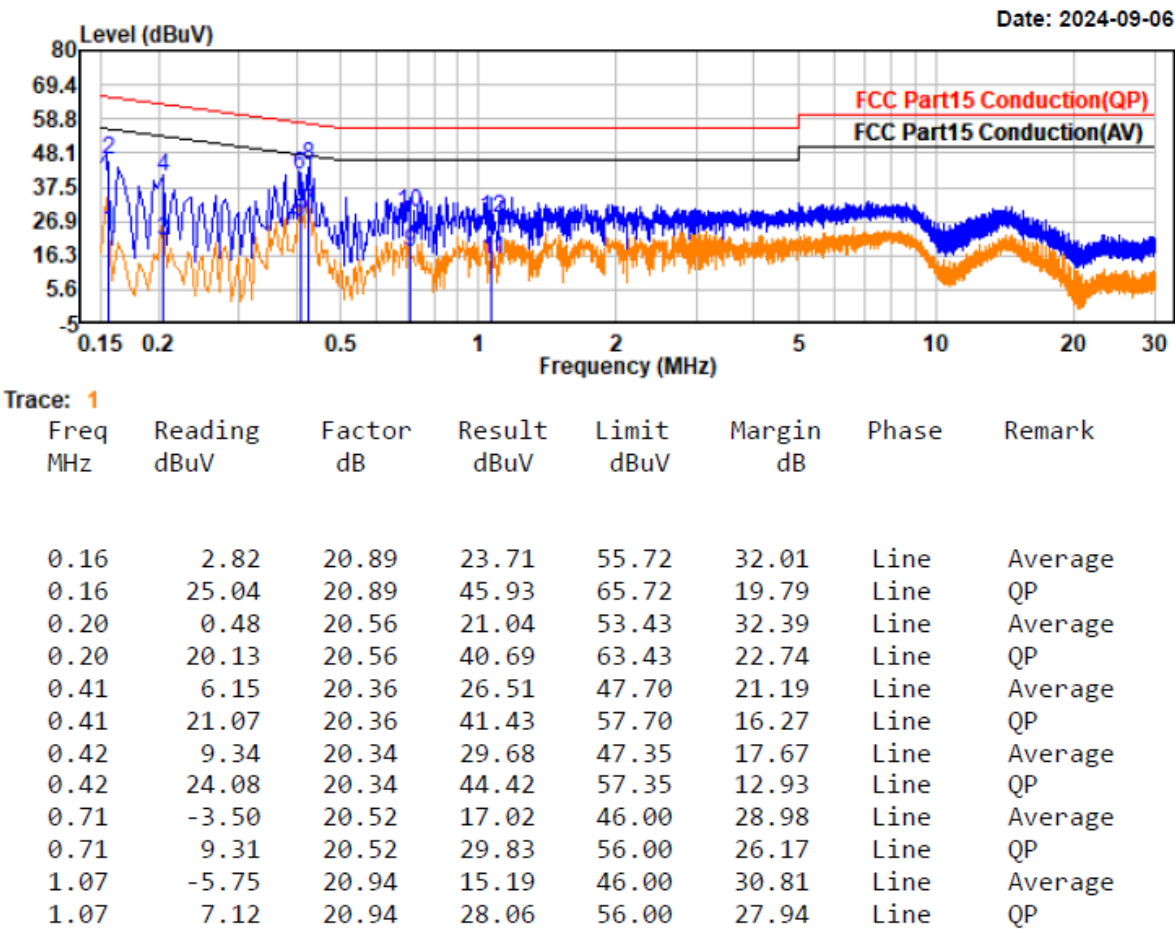
Temperature:	22.9°C
Relative Humidity:	53%
ATM Pressure:	100.1kPa
Test Date:	2024-09-06
Test Engineer:	Spike Gao

Note: The maximum output power mode: WiFi 11g middle channel was tested.

EUT Model: NLS-NQuire1500

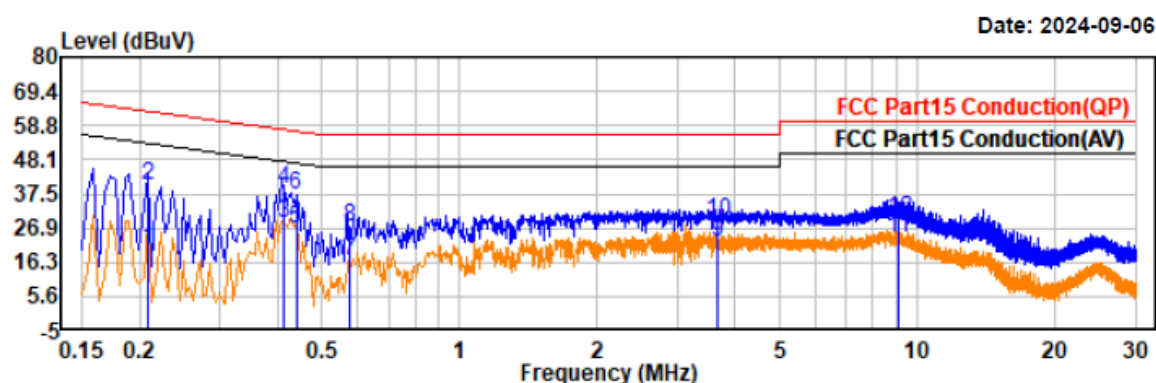
Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1500

Temp/Humi/ATM: 22.9°C/53%/100.1kPa
Tested by: Spike Gao
Power Source: AC 120V/60Hz



Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1500

Temp/Humi/ATM: 22.9°C/53%/100.1kPa
Tested by: Spike Gao
Power Source: AC 120V/60Hz



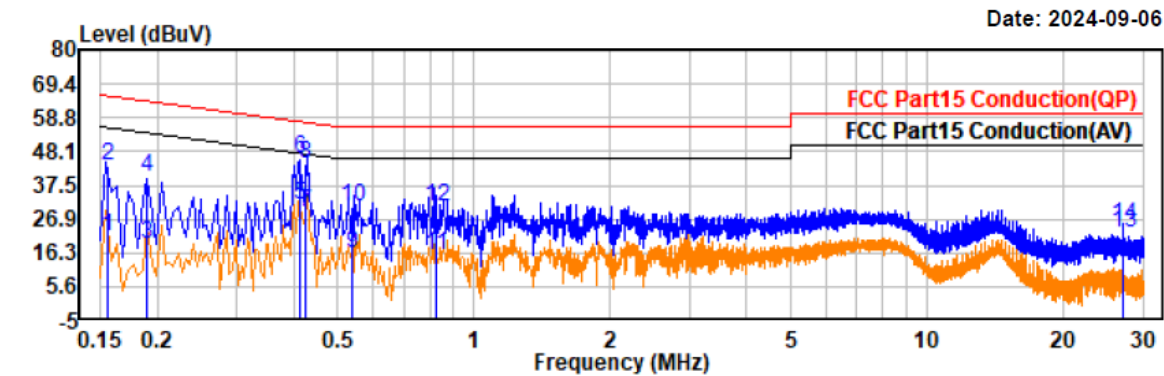
Trace: 1

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.21	-0.35	20.66	20.31	53.25	32.94	Neutral	Average
0.21	19.51	20.66	40.17	63.25	23.08	Neutral	QP
0.41	7.71	20.45	28.16	47.59	19.43	Neutral	Average
0.41	18.24	20.45	38.69	57.59	18.90	Neutral	QP
0.44	6.49	20.43	26.92	47.07	20.15	Neutral	Average
0.44	16.69	20.43	37.12	57.07	19.95	Neutral	QP
0.58	-3.75	20.35	16.60	46.00	29.40	Neutral	Average
0.58	6.99	20.35	27.34	56.00	28.66	Neutral	QP
3.67	1.49	20.80	22.29	46.00	23.71	Neutral	Average
3.67	8.12	20.80	28.92	56.00	27.08	Neutral	QP
9.09	2.92	20.80	23.72	50.00	26.28	Neutral	Average
9.09	9.00	20.80	29.80	60.00	30.20	Neutral	QP

EUT Model: NLS-NQuire500

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire500

Temp/Humi/ATM: 22.9°C/53%/100.1kPa
Tested by: Spike Gao
Power Source: AC 120V/60Hz



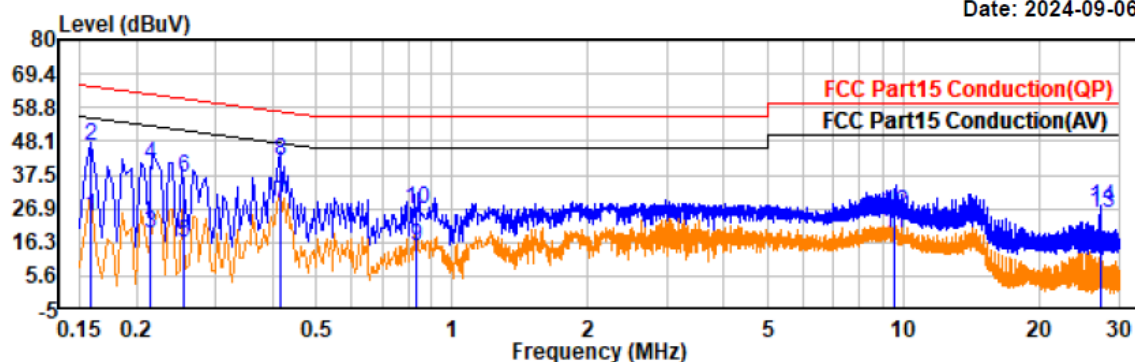
Trace: 1

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.16	0.41	20.89	21.30	55.70	34.40	Line	Average
0.16	22.62	20.89	43.51	65.70	22.19	Line	QP
0.19	-1.81	20.62	18.81	54.03	35.22	Line	Average
0.19	19.79	20.62	40.41	64.03	23.62	Line	QP
0.41	11.01	20.35	31.36	47.56	16.20	Line	Average
0.41	25.65	20.35	46.00	57.56	11.56	Line	QP
0.43	8.78	20.34	29.12	47.32	18.20	Line	Average
0.43	24.04	20.34	44.38	57.32	12.94	Line	QP
0.54	-4.18	20.33	16.15	46.00	29.85	Line	Average
0.54	10.59	20.33	30.92	56.00	25.08	Line	QP
0.83	-4.99	20.70	15.71	46.00	30.29	Line	Average
0.83	9.91	20.70	30.61	56.00	25.39	Line	QP
27.17	1.28	21.47	22.75	50.00	27.25	Line	Average
27.17	3.33	21.47	24.80	60.00	35.20	Line	QP

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-Nquire500

Temp/Humi/ATM: 22.9°C/53%/100.1kPa
Tested by: Spike Gao
Power Source: AC 120V/60Hz

Date: 2024-09-06



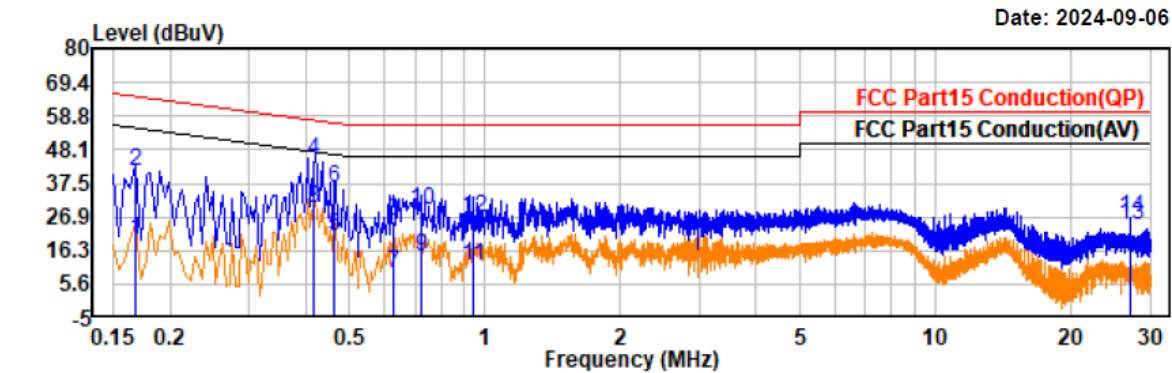
Trace: 1

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.16	3.74	20.73	24.47	55.56	31.09	Neutral	Average
0.16	25.87	20.73	46.60	65.56	18.96	Neutral	QP
0.22	-1.86	20.65	18.79	52.99	34.20	Neutral	Average
0.22	20.15	20.65	40.80	62.99	22.19	Neutral	QP
0.25	-4.67	20.60	15.93	51.63	35.70	Neutral	Average
0.25	16.24	20.60	36.84	61.63	24.79	Neutral	QP
0.42	8.14	20.45	28.59	47.48	18.89	Neutral	Average
0.42	21.22	20.45	41.67	57.48	15.81	Neutral	QP
0.84	-5.56	20.61	15.05	46.00	30.95	Neutral	Average
0.84	6.21	20.61	26.82	56.00	29.18	Neutral	QP
9.53	-1.65	20.77	19.12	50.00	30.88	Neutral	Average
9.53	4.68	20.77	25.45	60.00	34.55	Neutral	QP
27.26	3.82	21.43	25.25	50.00	24.75	Neutral	Average
27.26	5.93	21.43	27.36	60.00	32.64	Neutral	QP

EUT Model: NLS-NQuire700

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire700

Temp/Humi/ATM: 22.9°C/53%/100.1kPa
Tested by: Spike Gao
Power Source: AC 120V/60Hz



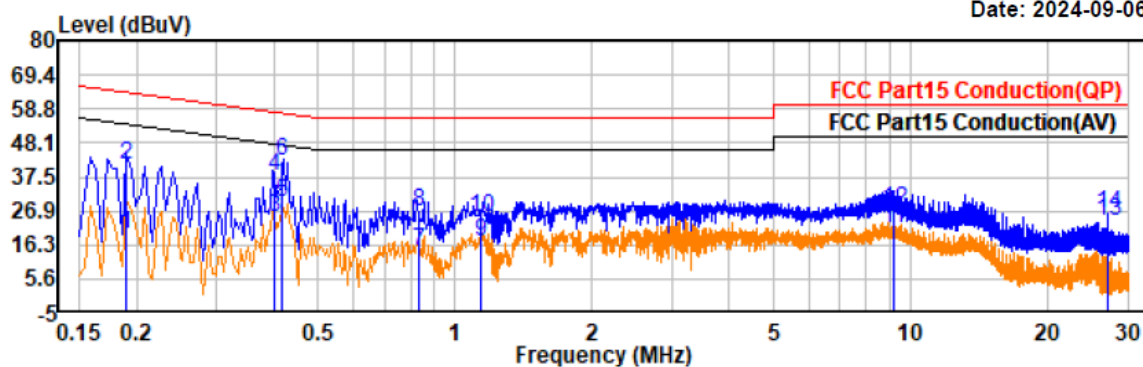
Trace: 1

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.17	-1.03	20.80	19.77	55.08	35.31	Line	Average
0.17	20.71	20.80	41.51	65.08	23.57	Line	QP
0.42	9.52	20.35	29.87	47.47	17.60	Line	Average
0.42	24.23	20.35	44.58	57.47	12.89	Line	QP
0.46	0.73	20.31	21.04	46.62	25.58	Line	Average
0.46	15.73	20.31	36.04	56.62	20.58	Line	QP
0.63	-11.46	20.43	8.97	46.00	37.03	Line	Average
0.63	4.89	20.43	25.32	56.00	30.68	Line	QP
0.72	-5.95	20.55	14.60	46.00	31.40	Line	Average
0.72	8.28	20.55	28.83	56.00	27.17	Line	QP
0.94	-9.28	20.84	11.56	46.00	34.44	Line	Average
0.94	6.00	20.84	26.84	56.00	29.16	Line	QP
27.10	2.72	21.50	24.22	50.00	25.78	Line	Average
27.10	4.87	21.50	26.37	60.00	33.63	Line	QP

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire700

Temp/Humi/ATM: 22.9°C/53%/100.1kPa
Tested by: Spike Gao
Power Source: AC 120V/60Hz

Date: 2024-09-06



Trace: 1

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.19	-1.04	20.67	19.63	54.03	34.40	Neutral	Average
0.19	20.53	20.67	41.20	64.03	22.83	Neutral	QP
0.40	4.22	20.46	24.68	47.84	23.16	Neutral	Average
0.40	17.32	20.46	37.78	57.84	20.06	Neutral	QP
0.42	8.85	20.45	29.30	47.53	18.23	Neutral	Average
0.42	21.92	20.45	42.37	57.53	15.16	Neutral	QP
0.83	-6.02	20.60	14.58	46.00	31.42	Neutral	Average
0.83	6.06	20.60	26.66	56.00	29.34	Neutral	QP
1.14	-3.92	20.94	17.02	46.00	28.98	Neutral	Average
1.14	4.05	20.94	24.99	56.00	31.01	Neutral	QP
9.18	0.35	20.79	21.14	50.00	28.86	Neutral	Average
9.18	6.69	20.79	27.48	60.00	32.52	Neutral	QP
27.10	2.51	21.47	23.98	50.00	26.02	Neutral	Average
27.10	4.32	21.47	25.79	60.00	34.21	Neutral	QP

EUT Model: NLS-NQuire1000

Project No.: 2407V20721E-RF

Test Mode: 11g-2437

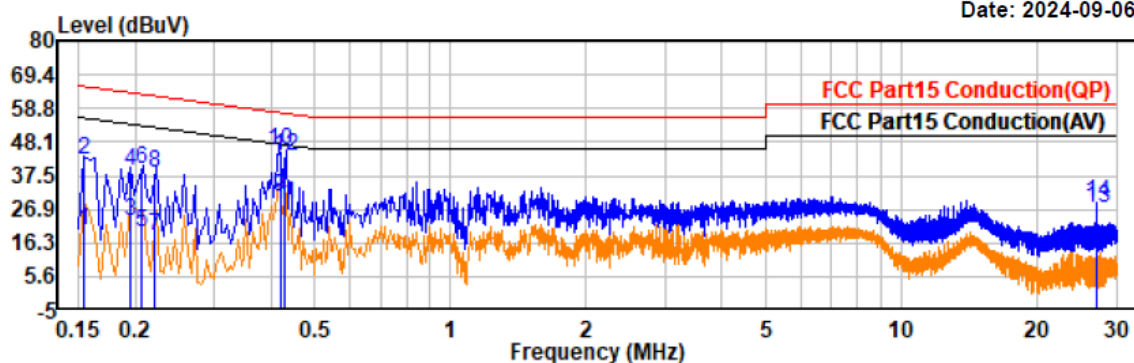
EUT Model: NLS-NQuire1000

Temp/Humi/ATM: 22.9°C/53%/100.1kPa

Tested by: Spike Gao

Power Source: AC 120V/60Hz

Date: 2024-09-06

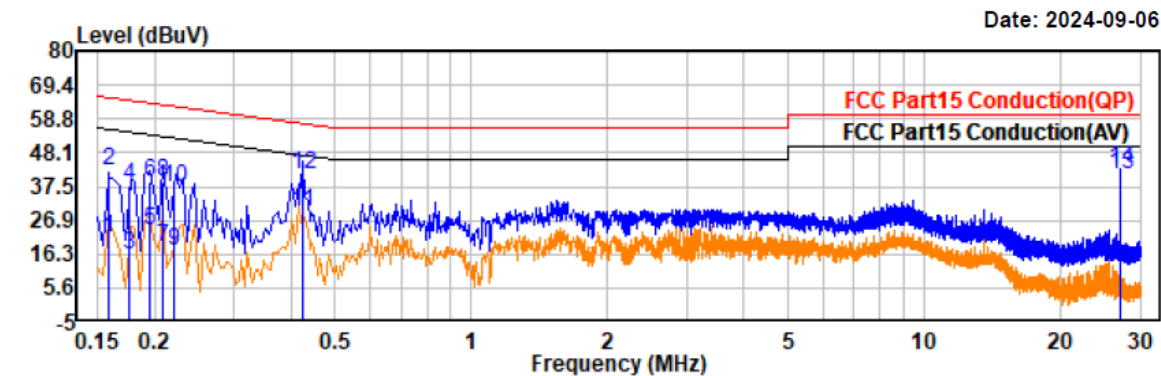


Trace: 1

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.15	-0.61	20.90	20.29	55.76	35.47	Line	Average
0.15	21.34	20.90	42.24	65.76	23.52	Line	QP
0.20	2.37	20.60	22.97	53.82	30.85	Line	Average
0.20	18.29	20.60	38.89	63.82	24.93	Line	QP
0.21	-0.89	20.56	19.67	53.32	33.65	Line	Average
0.21	19.04	20.56	39.60	63.32	23.72	Line	QP
0.22	-2.23	20.54	18.31	52.79	34.48	Line	Average
0.22	17.98	20.54	38.52	62.79	24.27	Line	QP
0.42	10.70	20.35	31.05	47.46	16.41	Line	Average
0.42	25.27	20.35	45.62	57.46	11.84	Line	QP
0.43	8.21	20.34	28.55	47.26	18.71	Line	Average
0.43	23.31	20.34	43.65	57.26	13.61	Line	QP
27.11	5.93	21.50	27.43	50.00	22.57	Line	Average
27.11	7.69	21.50	29.19	60.00	30.81	Line	QP

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1000

Temp/Humi/ATM: 22.9°C/53%/100.1kPa
Tested by: Spike Gao
Power Source: AC 120V/60Hz

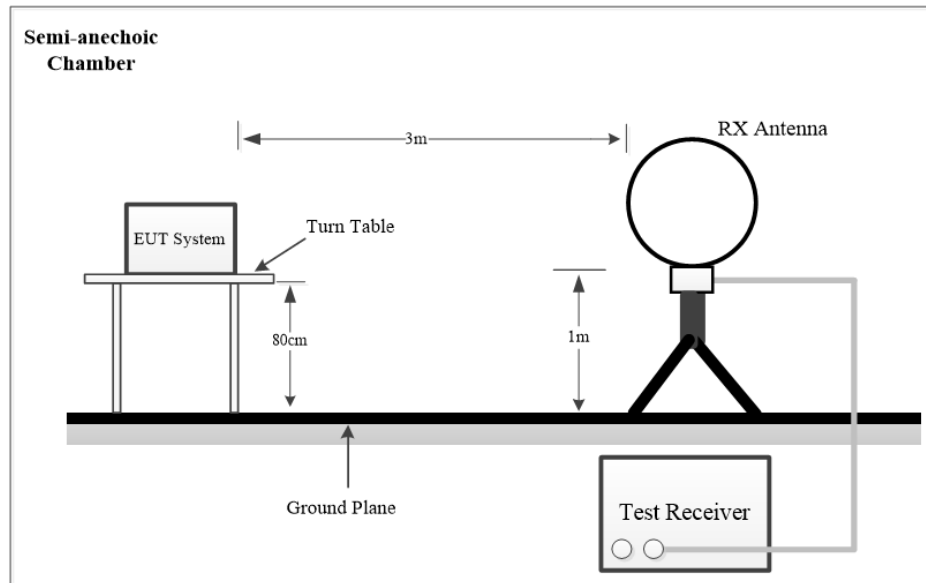
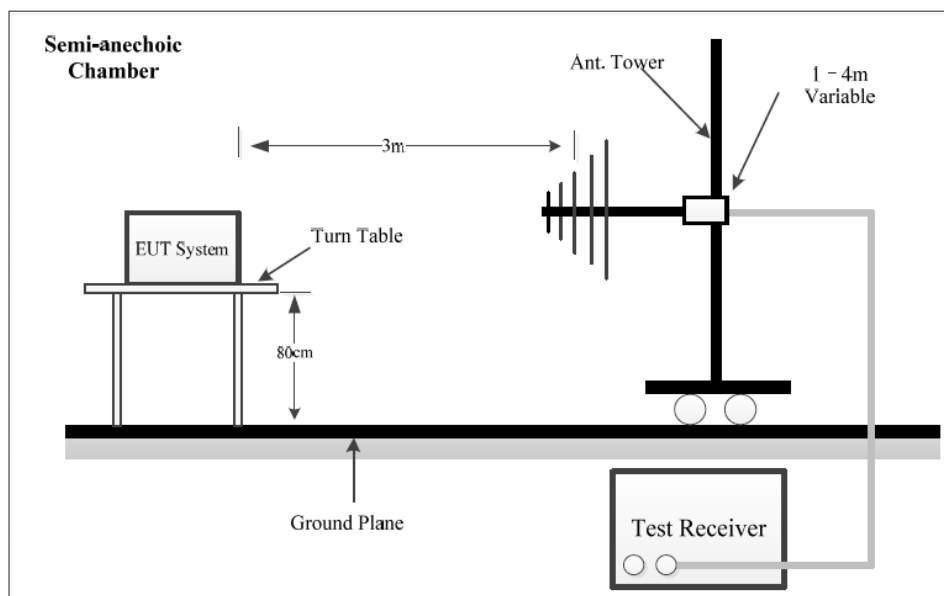


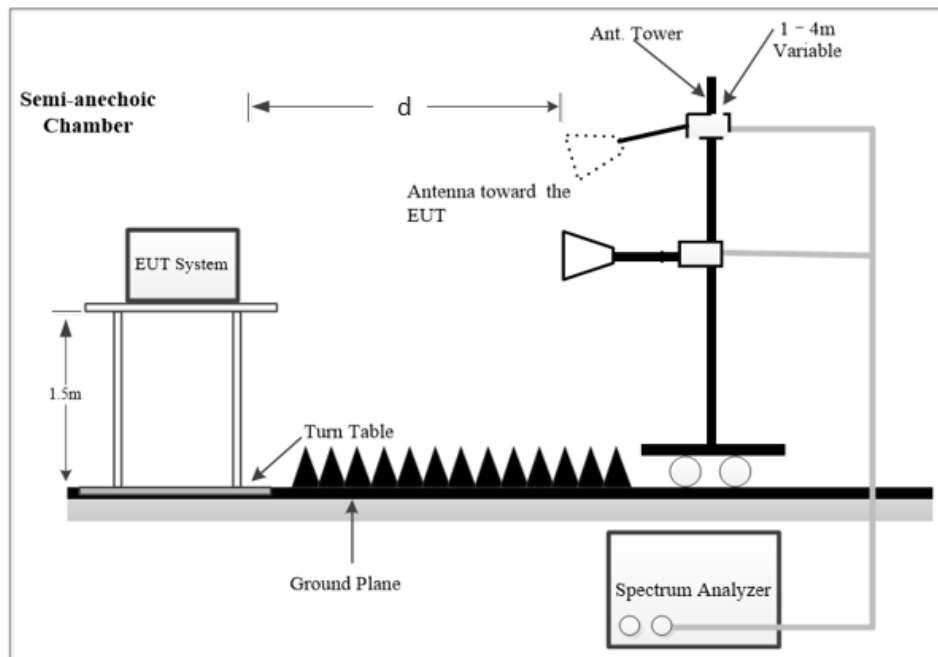
Trace: 1

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.16	0.51	20.73	21.24	55.57	34.33	Neutral	Average
0.16	21.93	20.73	42.66	65.57	22.91	Neutral	QP
0.18	-4.66	20.69	16.03	54.65	38.62	Neutral	Average
0.18	16.99	20.69	37.68	64.65	26.97	Neutral	QP
0.20	3.07	20.67	23.74	53.81	30.07	Neutral	Average
0.20	18.11	20.67	38.78	63.81	25.03	Neutral	QP
0.21	-2.33	20.66	18.33	53.25	34.92	Neutral	Average
0.21	18.27	20.66	38.93	63.25	24.32	Neutral	QP
0.22	-3.26	20.64	17.38	52.76	35.38	Neutral	Average
0.22	16.44	20.64	37.08	62.76	25.68	Neutral	QP
0.42	9.01	20.44	29.45	47.38	17.93	Neutral	Average
0.42	21.04	20.44	41.48	57.38	15.90	Neutral	QP
27.12	19.94	21.46	41.40	50.00	8.60	Neutral	Average
27.12	21.55	21.46	43.01	60.00	16.99	Neutral	QP

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS**Applicable Standard**

FCC §15.247 (d); §15.209; §15.205;

EUT Setup**9 kHz-30MHz****Below 1 GHz:**

Above 1GHz:

The radiated emission tests using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

NOTE:

d is testing distance;

For Radiated Emission test (1GHz-18GHz) and Bandedge Emission test, which was performed at 3 m distance.

For Radiated Emission test (18GHz-25GHz), which was performed at 1.5 m distance, according to ANSI C63.10 - 2013, the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m.

Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB = 6dB

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:

Below 1GHz:

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

Above 1GHz:**Pre-scan:**

Duty Cycle	RBW	VBW	Measurement	Detector
Any	1MHz	3MHz	PK	PK
>98%	1MHz	5kHz	AV	PK
<98%	1MHz	1/T, not less than 5kHz	AV	PK

Final measurement for emission identified during the pre-scan:

Duty Cycle	RBW	VBW	Measurement	Detector
Any	1MHz	3MHz	PK	PK
>98%	1MHz	10Hz	AV	PK
<98%	1MHz	1/T	AV	PK

Test Procedure

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

For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable. 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, then the following statement shall be made: “all emissions were greater than 20 dB below the limit.”

Below 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

Above 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is below the AV emission limit, there's no need to record the measured AV level of the emissions in the report.

Result & Margin Calculation

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

For 9 kHz to 18GHz Radiated emission test

$$\text{Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)}$$

For 18GHz to 25GHz Radiated emission test and Bandedge emissions test

$$\text{Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)} - \text{Extrapolation factor (dB)}$$

$$\text{Extrapolation factor} = 6\text{dB (distance} = 1.5\text{m)}$$

$$\text{Result (dB}\mu\text{V/m)} = \text{Reading (dB}\mu\text{V)} + \text{Factor (dB/m)}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Result (dB}\mu\text{V/m)}$$

Test Data

Please refer to the below table and plots.

Note: Pre-scan in the X, Y and Z axes of orientation, the worst case Y-axis of orientation was recorded.

Frequency Range:	Below 1 GHz	Above 1 GHz
Temperature:	22.5°C~24.1°C	21.5°C~24.7°C
Relative Humidity:	50%~55%	46%~55%
ATM Pressure:	100.1kPa~100.2kPa	100.1kPa
Test Date:	2024-08-31~2024-09-23	2024-09-09~2025-01-06
Test Engineer:	Wlif Wu	Wlif Wu

1) 9 kHz~150 kHz

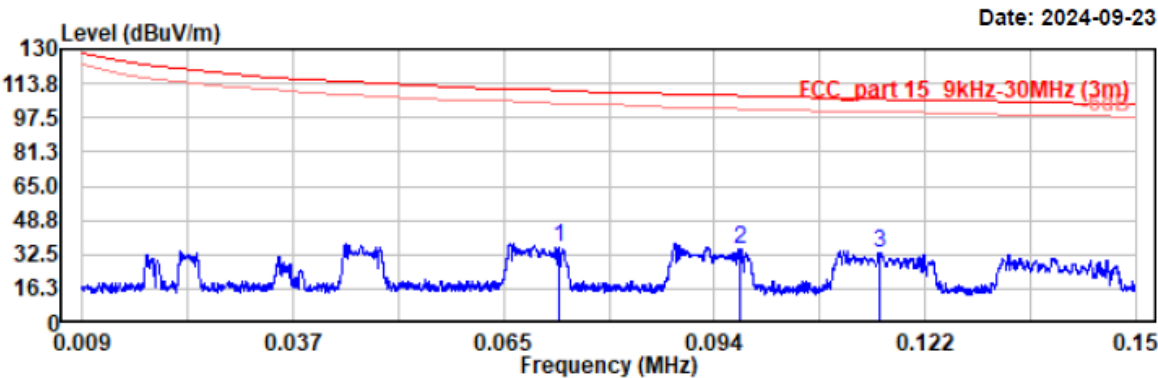
Pre-scan in parallel, ground-parallel and perpendicular of orientation of loop antenna, parallel is worst case.

Note: The maximum output power mode: WiFi 11g middle channel was tested.

EUT Model: NLS-NQuire1500

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

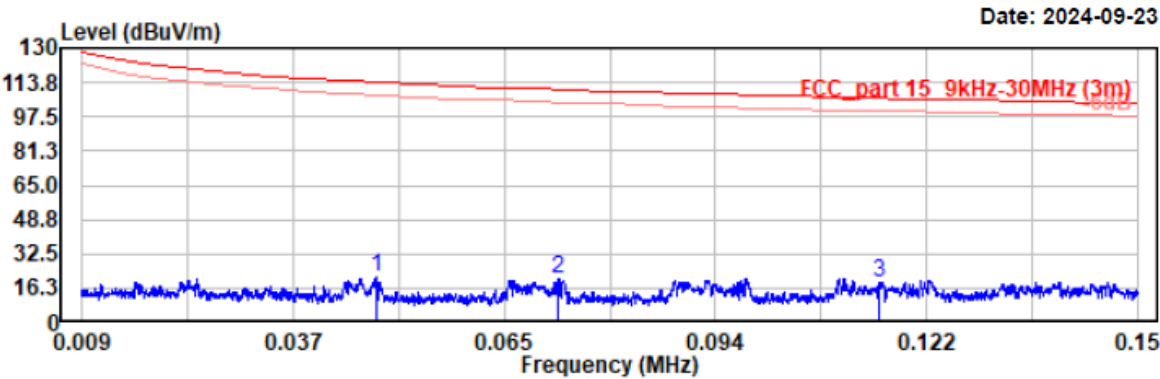
Temp/Humi/ATM: 23.6°C/56%/100.2kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



EUT Model: NLS-NQuire500

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 23.6℃/56%/100.2kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

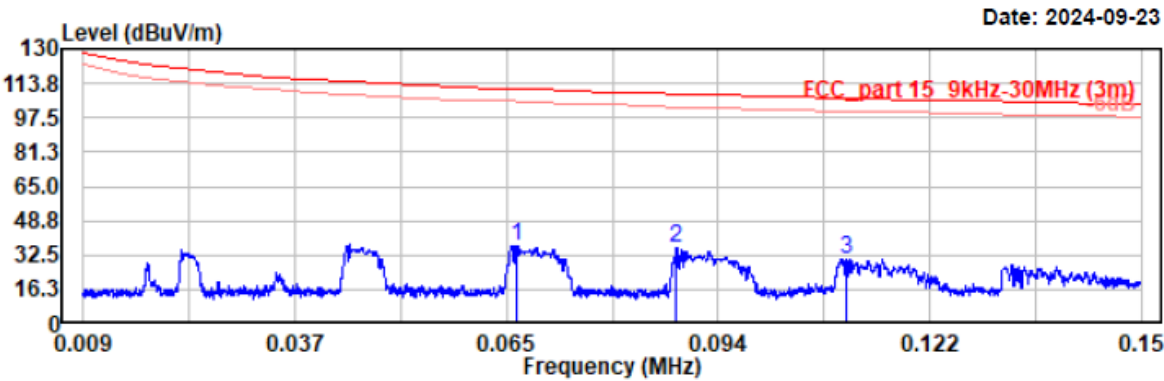


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.048	1.58	19.91	21.49	113.94	92.45	Peak
0.073	0.62	19.78	20.40	110.38	89.98	Peak
0.116	-0.52	19.73	19.21	106.35	87.14	Peak

EUT Model: NLS-NQuire700

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire700
Test distance: 3m

Temp/Humi/ATM: 23.6℃/56%/100.2kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

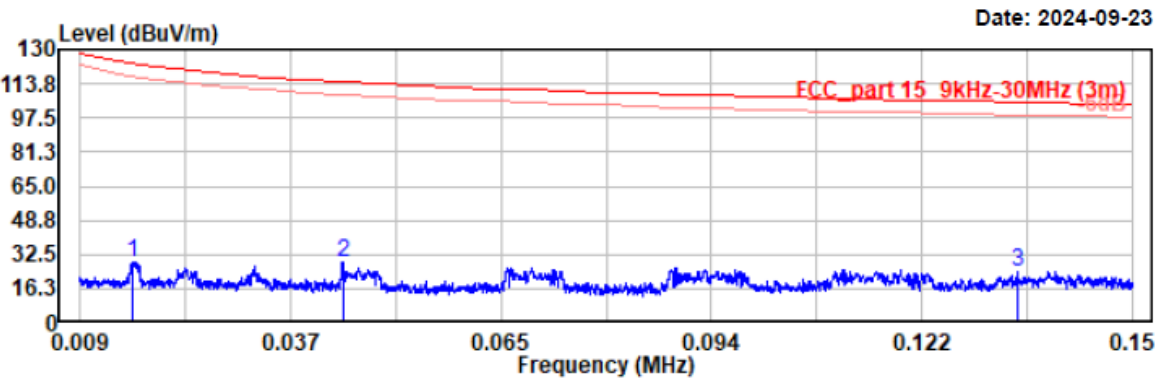


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.067	17.34	19.84	37.18	111.13	73.95	Peak
0.088	16.27	19.79	36.06	108.71	72.65	Peak
0.111	10.96	19.73	30.69	106.73	76.04	Peak

EUT Model: NLS-NQuire1000

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.6℃/56%/100.2kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.016	9.41	19.70	29.11	123.50	94.39	Peak
0.044	9.02	19.91	28.93	114.70	85.77	Peak
0.135	4.62	19.73	24.35	105.02	80.67	Peak

2) 150 kHz~30 MHz

EUT Model: NLS-NQuire1500

Project No.: 2407V20721E-RF

Test Mode: 11g-2437

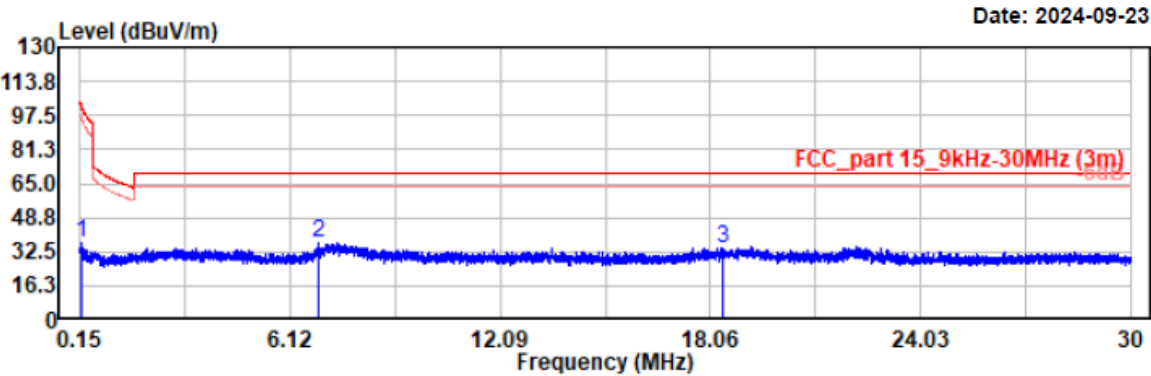
EUT Model: NLS-NQuire1500

Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.2kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.192	16.96	19.72	36.68	101.95	65.27	Peak
6.929	17.45	19.69	37.14	69.54	32.40	Peak
18.412	14.46	19.98	34.44	69.54	35.10	Peak

EUT Model: NLS-NQuire500

Project No.: 2407V20721E-RF

Test Mode: 11g-2437

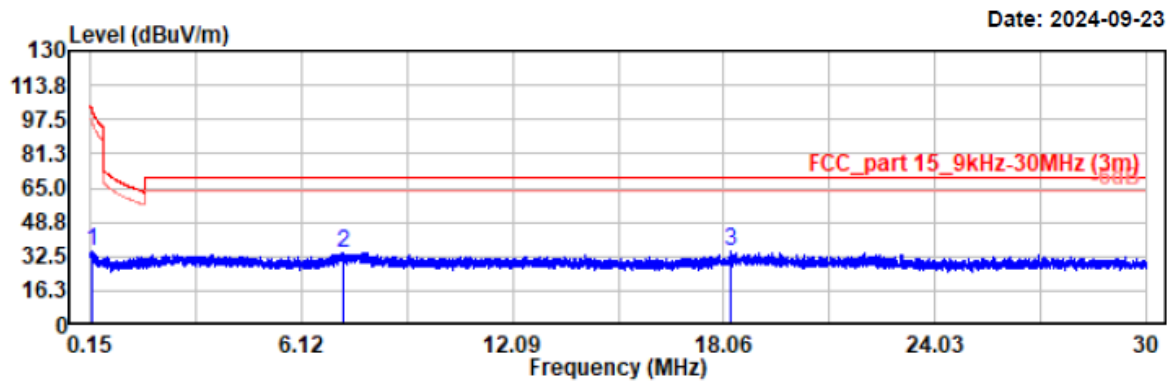
EUT Model: NLS-NQuire500

Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.2kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz

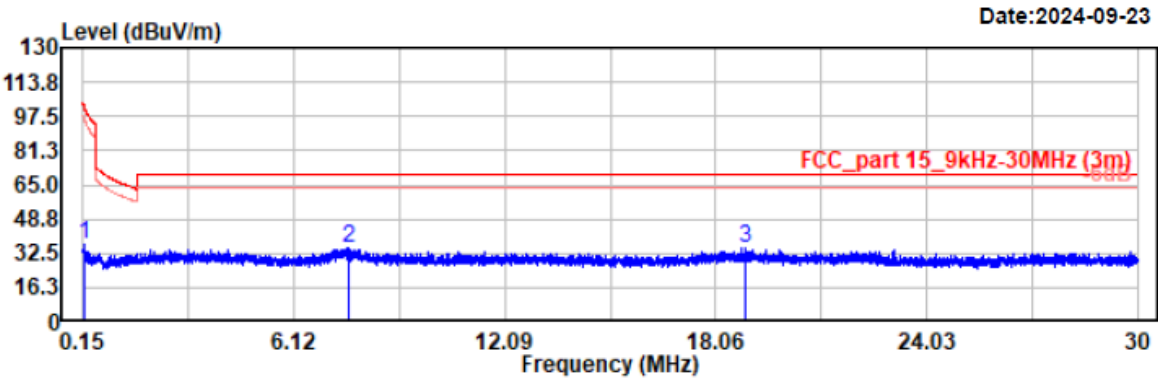


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.177	15.30	19.72	35.02	102.65	67.63	Peak
7.287	14.83	19.68	34.51	69.54	35.03	Peak
18.245	14.70	19.97	34.67	69.54	34.87	Peak

EUT Model: NLS-NQuire700

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire700
Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.2kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

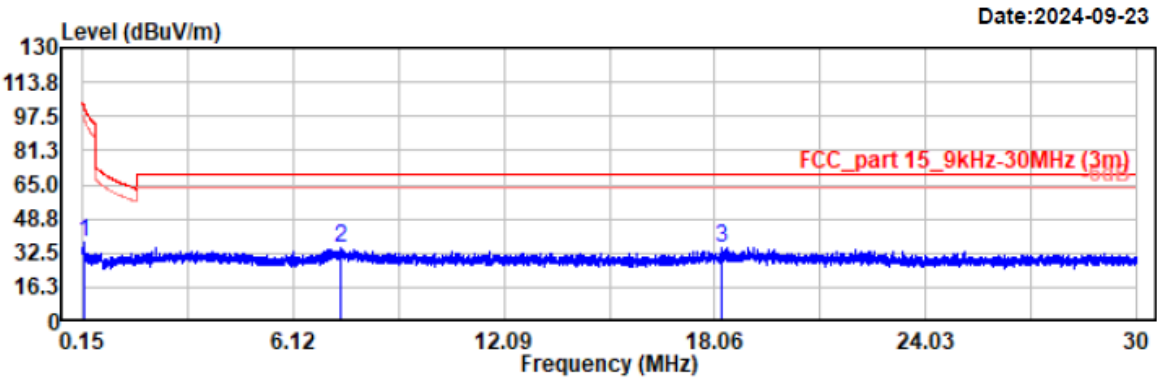


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.195	17.32	19.72	37.04	101.81	64.77	Peak
7.690	15.12	19.68	34.80	69.54	34.74	Peak
18.917	15.09	20.02	35.11	69.54	34.43	Peak

EUT Model: NLS-NQuire1000

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.2kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.192	18.25	19.72	37.97	101.95	63.98	Peak
7.484	15.37	19.68	35.05	69.54	34.49	Peak
18.245	14.55	19.97	34.52	69.54	35.02	Peak

3) 30 MHz-1GHz

Note: The maximum output power mode: WiFi 11g middle channel was tested.

EUT Model: NLS-NQuire1500

Project No.: 2407V20721E-RF

Temp/Humi/ATM: 23.2℃/50%/100.1kPa

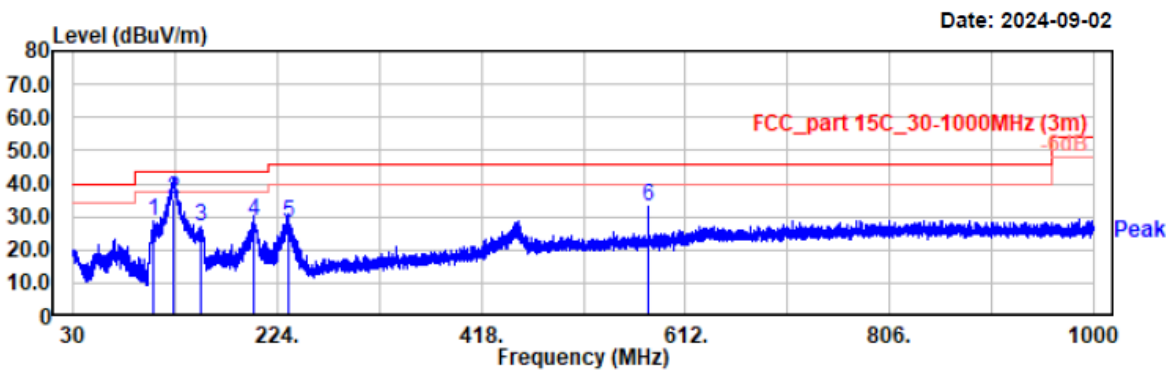
Test Mode: 11g-2437

Tested by: Wlif Wu

EUT Model: NLS-NQuire1500

Power Source: AC120V/60Hz

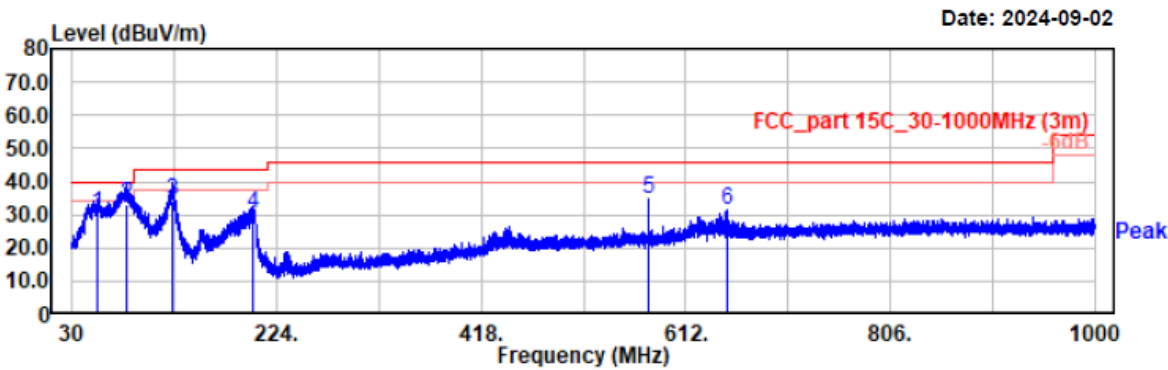
Test distance: 3m



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
105.56	41.86	-13.18	28.68	43.50	14.82	Horizontal	QP
124.77	45.13	-9.94	35.19	43.50	8.31	Horizontal	QP
150.57	38.34	-11.17	27.17	43.50	16.33	Horizontal	QP
201.88	40.52	-11.85	28.67	43.50	14.83	Horizontal	QP
233.99	40.28	-12.06	28.22	46.00	17.78	Horizontal	QP
576.01	35.39	-2.54	32.85	46.00	13.15	Horizontal	QP

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.2℃/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

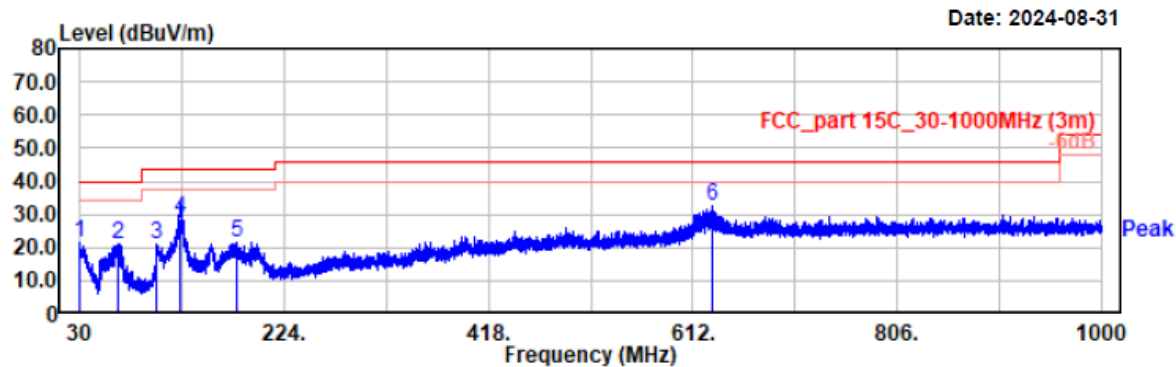


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
54.54	48.13	-17.81	30.32	40.00	9.68	Vertical	QP
81.70	50.31	-17.12	33.19	40.00	6.81	Vertical	QP
124.77	44.35	-9.94	34.41	43.50	9.09	Vertical	QP
201.98	42.35	-11.86	30.49	43.50	13.01	Vertical	QP
576.01	37.12	-2.54	34.58	46.00	11.42	Vertical	QP
650.51	32.49	-0.91	31.58	46.00	14.42	Vertical	QP

EUT Model: NLS-NQuire500

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire500
Test distance: 3m

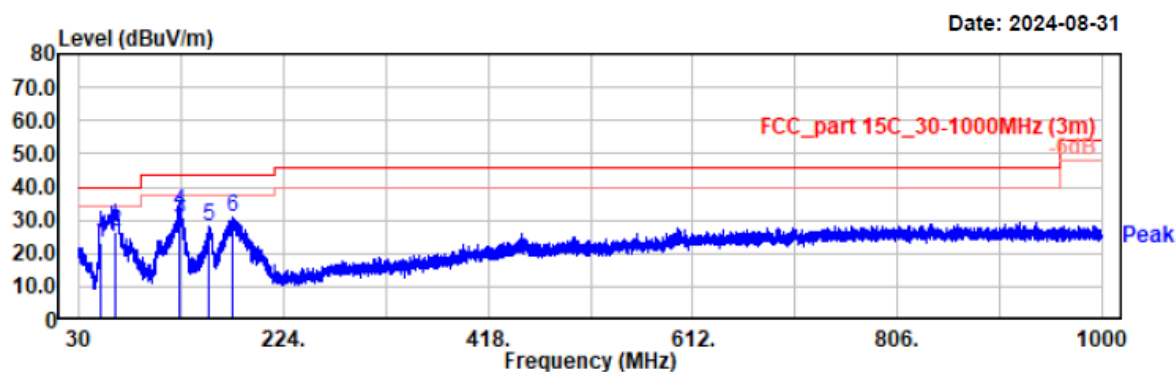
Temp/Humi/ATM: 22.5°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.39	27.25	-5.70	21.55	40.00	18.45	Horizontal	QP
65.89	38.56	-17.33	21.23	40.00	18.77	Horizontal	QP
103.43	34.64	-13.88	20.76	43.50	22.74	Horizontal	QP
125.35	38.44	-9.94	28.50	43.50	15.00	Horizontal	QP
178.70	33.97	-12.25	21.72	43.50	21.78	Horizontal	QP
630.04	34.10	-1.37	32.73	46.00	13.27	Horizontal	QP

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 22.5°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

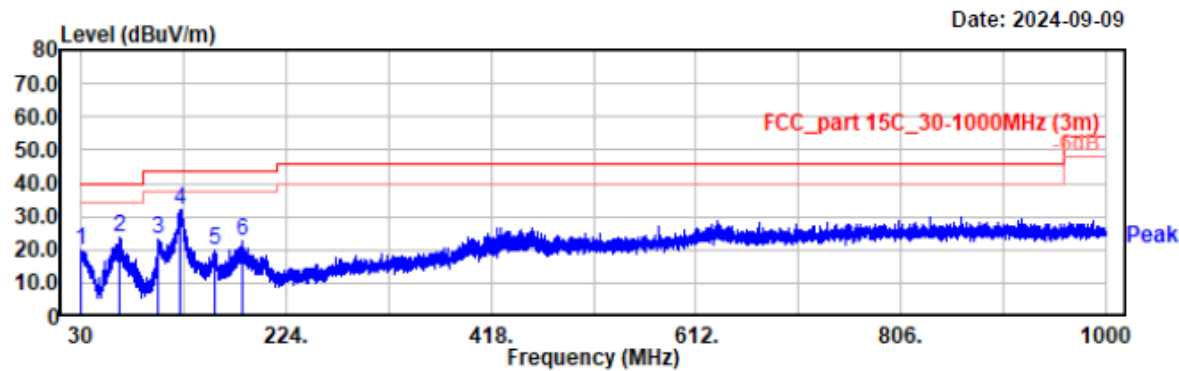


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
50.08	40.43	-17.35	23.08	40.00	16.92	Vertical	QP
65.21	43.78	-17.27	26.51	40.00	13.49	Vertical	QP
124.48	40.45	-9.94	30.51	43.50	12.99	Vertical	QP
125.64	42.64	-9.94	32.70	43.50	10.80	Vertical	QP
153.38	39.37	-11.28	28.09	43.50	15.41	Vertical	QP
176.37	42.78	-12.14	30.64	43.50	12.86	Vertical	QP

EUT Model: NLS-NQuire700

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire700
Test distance: 3m

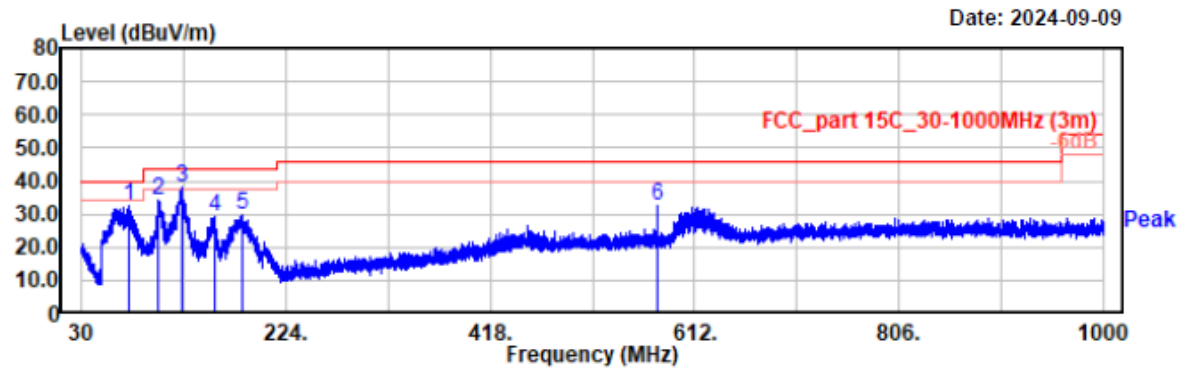
Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.10	25.54	-5.63	19.91	40.00	20.09	Horizontal	QP
65.89	41.21	-17.33	23.88	40.00	16.12	Horizontal	QP
103.14	37.13	-13.94	23.19	43.50	20.31	Horizontal	QP
123.90	42.13	-9.95	32.18	43.50	11.32	Horizontal	QP
156.49	31.22	-11.39	19.83	43.50	23.67	Horizontal	QP
183.36	34.98	-12.50	22.48	43.50	21.02	Horizontal	QP

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire700
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

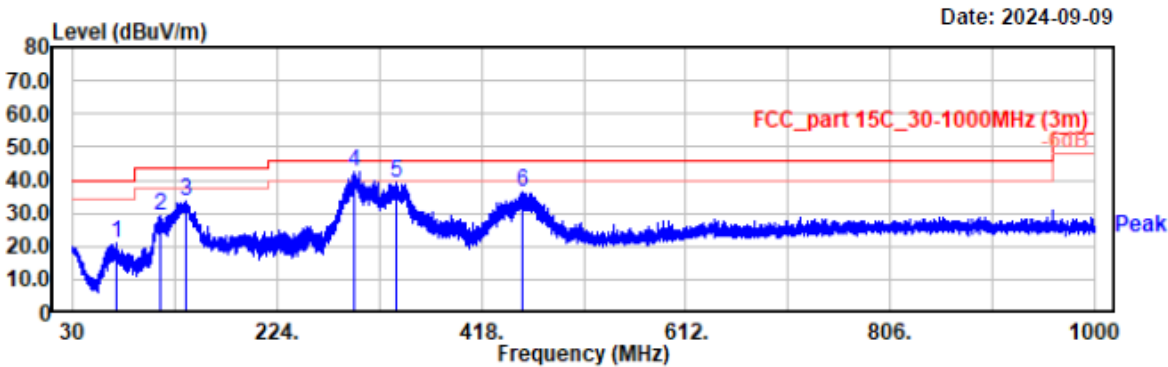


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
74.62	49.46	-17.14	32.32	40.00	7.68	Vertical	QP
102.85	48.29	-14.03	34.26	43.50	9.24	Vertical	QP
124.67	47.92	-9.94	37.98	43.50	5.52	Vertical	QP
155.81	40.84	-11.32	29.52	43.50	13.98	Vertical	QP
181.71	42.10	-12.36	29.74	43.50	13.76	Vertical	QP
576.01	35.36	-2.54	32.82	46.00	13.18	Vertical	QP

EUT Model: NLS-NQuire1000

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1000
Test distance: 3m

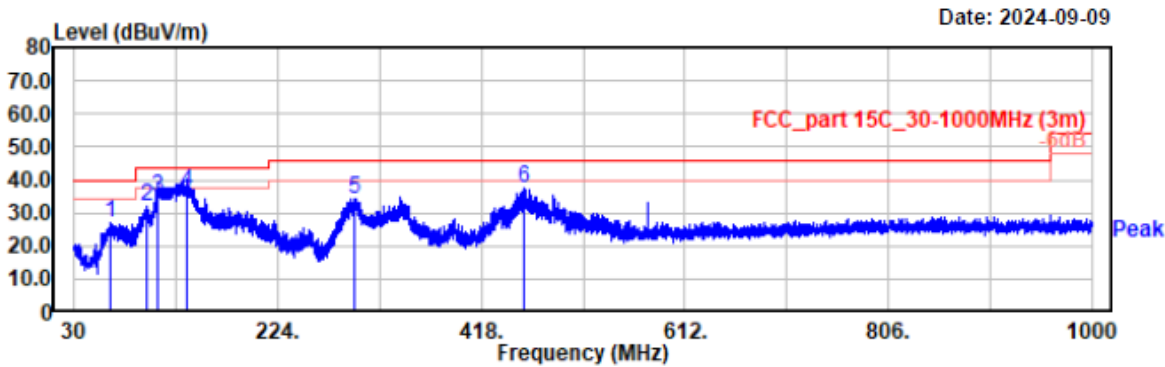
Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
70.84	38.13	-17.06	21.07	40.00	18.93	Horizontal	QP
112.74	40.89	-11.39	29.50	43.50	14.00	Horizontal	QP
136.60	44.15	-10.39	33.76	43.50	9.74	Horizontal	QP
296.85	51.94	-9.25	42.69	46.00	3.31	Horizontal	QP
336.42	47.67	-8.38	39.29	46.00	6.71	Horizontal	QP
456.80	41.20	-4.69	36.51	46.00	9.49	Horizontal	QP

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
64.05	44.41	-17.35	27.06	40.00	12.94	Vertical	QP
98.77	47.60	-15.34	32.26	43.50	11.24	Vertical	QP
109.78	46.51	-11.96	34.55	43.50	8.95	Vertical	QP
137.10	47.01	-10.44	36.57	43.50	6.93	Vertical	QP
297.72	43.44	-9.23	34.21	46.00	11.79	Vertical	QP
458.55	42.08	-4.67	37.41	46.00	8.59	Vertical	QP

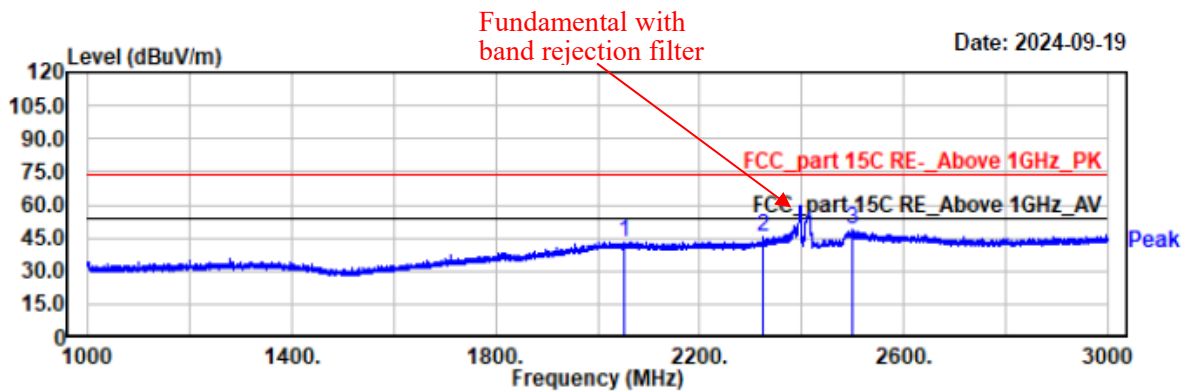
4) 1GHz~3GHz

EUT Model: NLS-NQuire1500

EUT operation mode: Transmitting in Wifi 802.11b low channel

Project No.: 2407V20721E-RF
Test Mode: 11b-2412
EUT Model: NLS-NQuire1500
Test distance: 3m

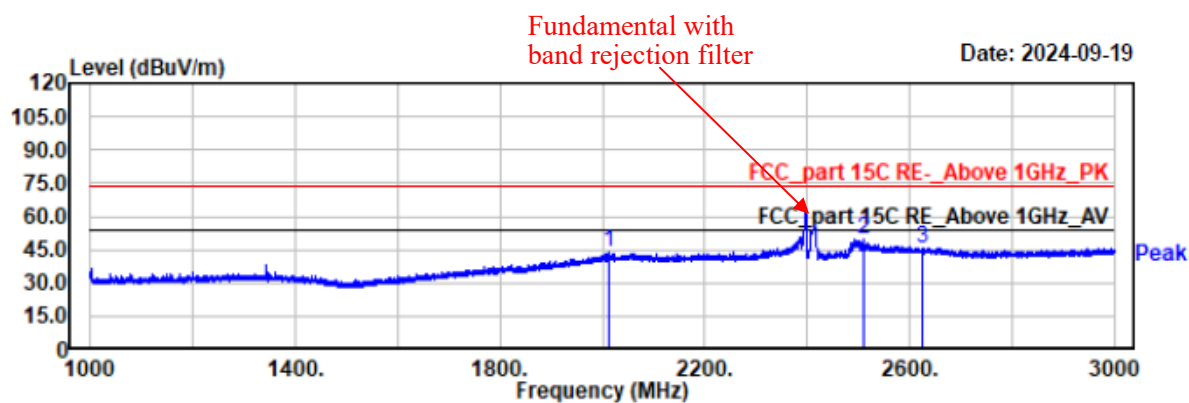
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2052.20	49.32	-6.02	43.30	74.00	30.70	horizontal	Peak
2323.80	51.46	-6.10	45.36	74.00	28.64	horizontal	Peak
2501.20	52.68	-4.12	48.56	74.00	25.44	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11b-2412
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

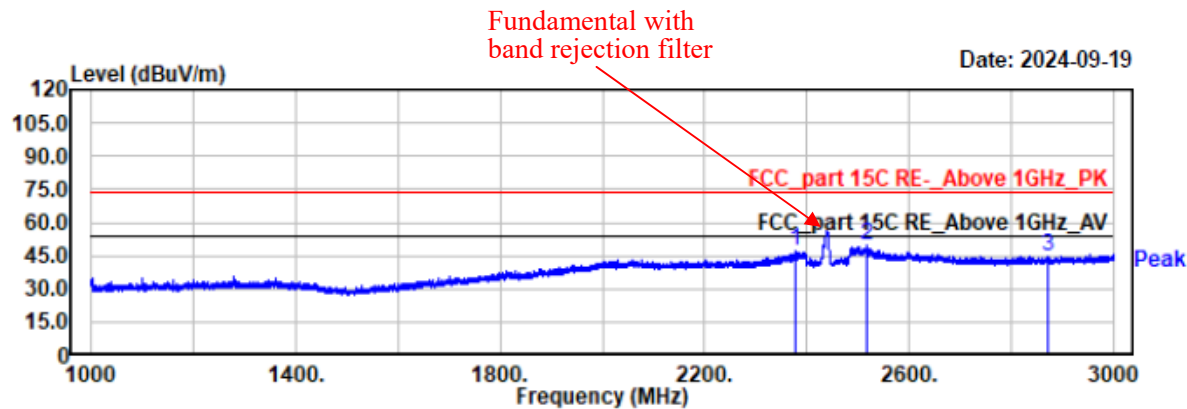


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2012.80	50.09	-6.55	43.54	74.00	30.46	vertical	Peak
2511.60	53.50	-3.98	49.52	74.00	24.48	vertical	Peak
2626.00	49.18	-3.33	45.85	74.00	28.15	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11b middle channel

Project No.: 2407V20721E-RF
Test Mode: 11b-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

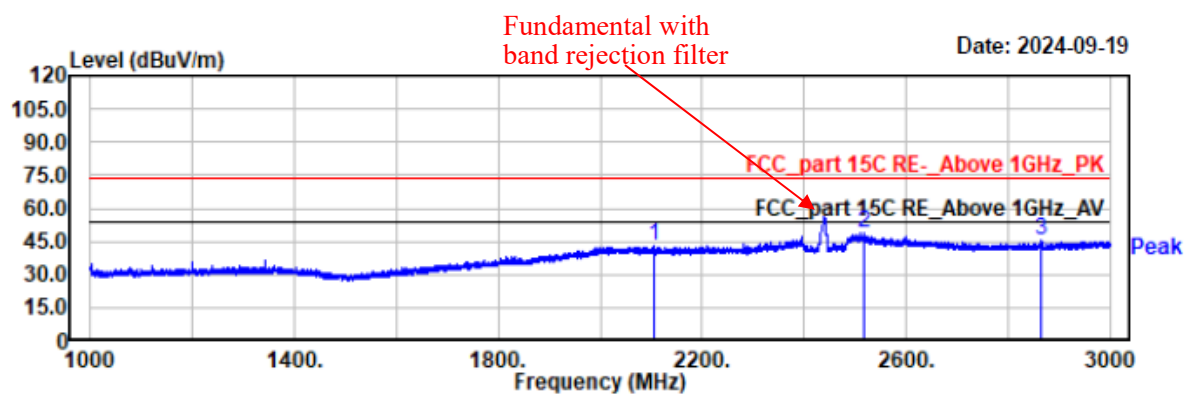
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2378.20	52.28	-5.49	46.79	74.00	27.21	horizontal	Peak
2516.60	53.27	-3.92	49.35	74.00	24.65	horizontal	Peak
2871.00	49.02	-4.48	44.54	74.00	29.46	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11b-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

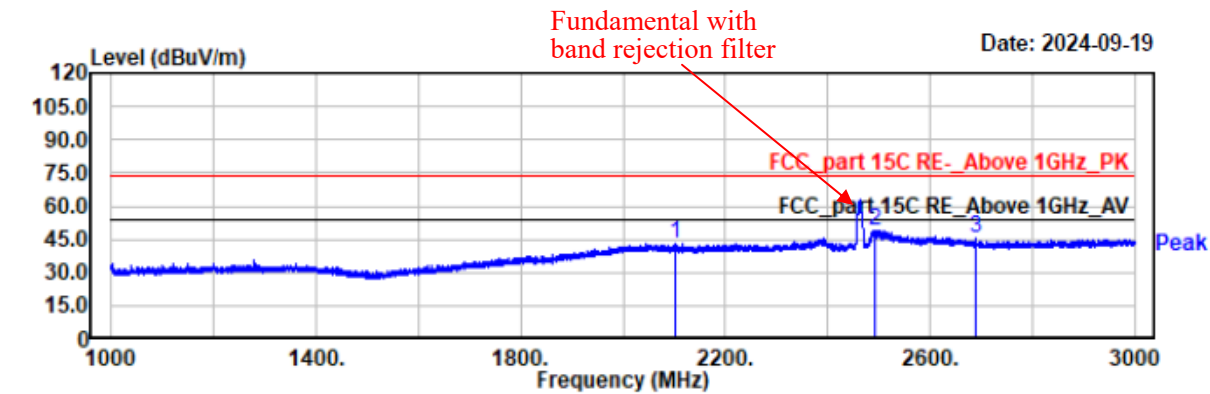


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2104.40	49.35	-6.73	42.62	74.00	31.38	vertical	Peak
2517.20	53.13	-3.91	49.22	74.00	24.78	vertical	Peak
2865.00	49.67	-4.50	45.17	74.00	28.83	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11b high channel

Project No.: 2407V20721E-RF
Test Mode: 11b-2462
EUT Model: NLS-NQuire1500
Test distance: 3m

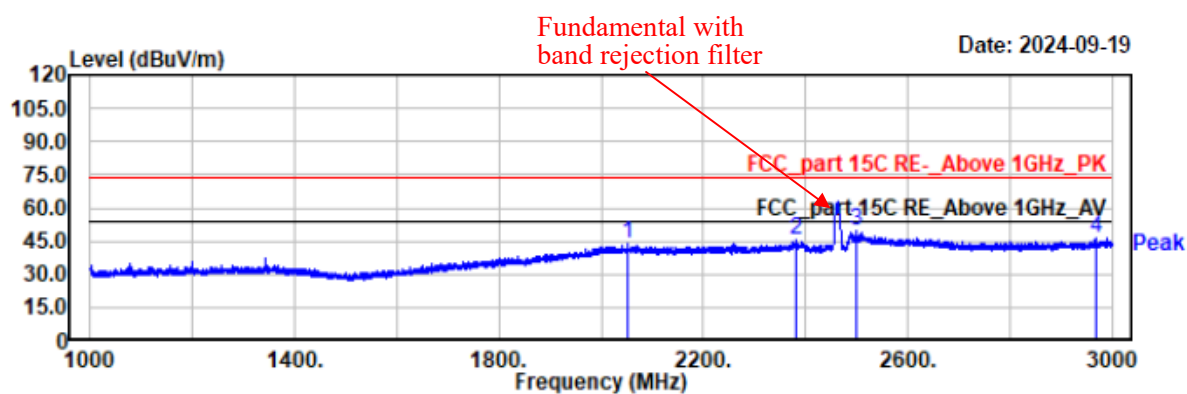
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2101.80	49.77	-6.72	43.05	74.00	30.95	horizontal	Peak
2491.40	53.39	-4.30	49.09	74.00	24.91	horizontal	Peak
2689.40	49.80	-4.37	45.43	74.00	28.57	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11b-2462
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

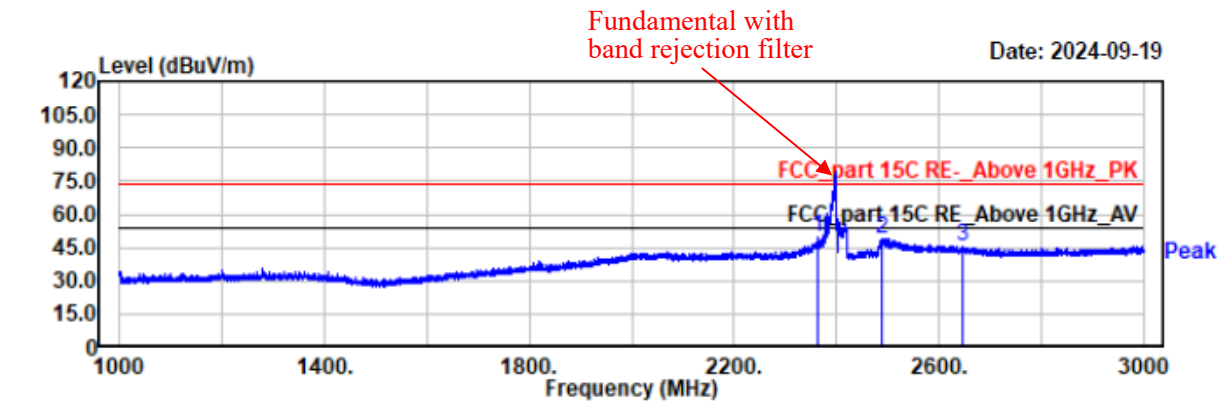


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2053.20	49.70	-6.03	43.67	74.00	30.33	vertical	Peak
2380.20	50.70	-5.46	45.24	74.00	28.76	vertical	Peak
2498.00	53.65	-4.18	49.47	74.00	24.53	vertical	Peak
2969.80	50.15	-4.14	46.01	74.00	27.99	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11g low channel

Project No.: 2407V20721E-RF
Test Mode: 11g-2412
EUT Model: NLS-NQuire1500
Test distance: 3m

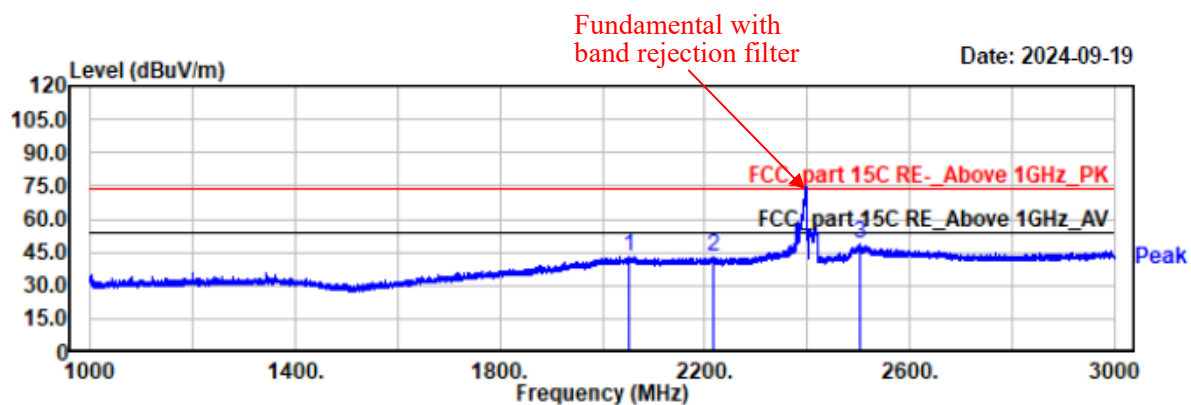
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2365.00	55.20	-5.65	49.55	74.00	24.45	horizontal	Peak
2488.20	53.20	-4.38	48.82	74.00	25.18	horizontal	Peak
2646.40	49.01	-3.36	45.65	74.00	28.35	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11g-2412
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

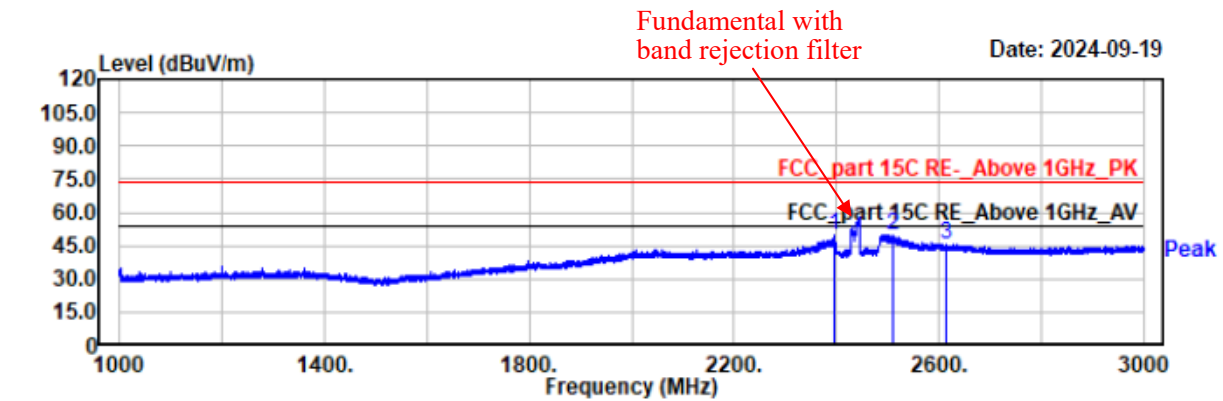


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2052.40	48.84	-6.02	42.82	74.00	31.18	vertical	Peak
2215.20	49.54	-6.25	43.29	74.00	30.71	vertical	Peak
2502.40	52.69	-4.11	48.58	74.00	25.42	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11g middle channel

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

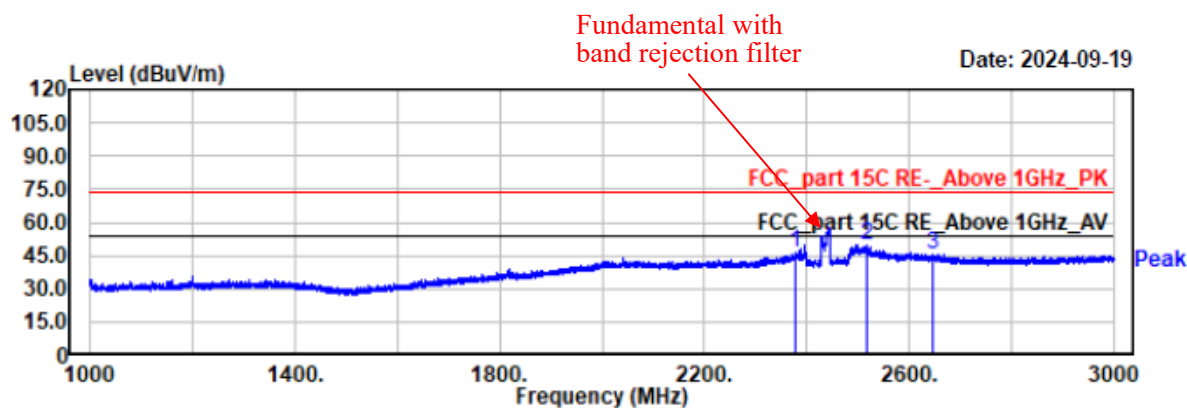
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2394.40	54.86	-5.26	49.60	74.00	24.40	horizontal	Peak
2510.20	53.48	-4.00	49.48	74.00	24.52	horizontal	Peak
2614.20	48.81	-3.32	45.49	74.00	28.51	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

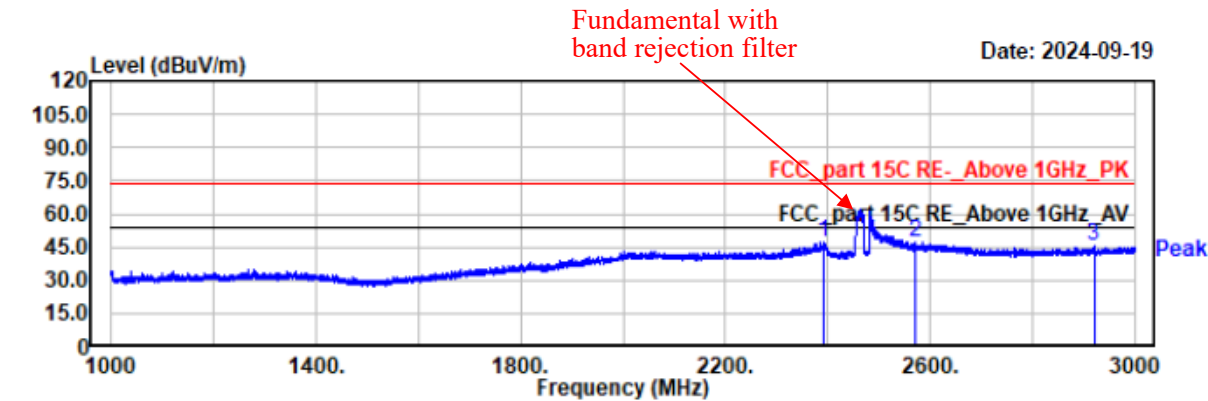


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2379.00	51.88	-5.47	46.41	74.00	27.59	vertical	Peak
2519.00	53.88	-3.88	50.00	74.00	24.00	vertical	Peak
2644.80	48.95	-3.36	45.59	74.00	28.41	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11g high channel

Project No.: 2407V20721E-RF
Test Mode: 11g-2462
EUT Model: NLS-NQuire1500
Test distance: 3m

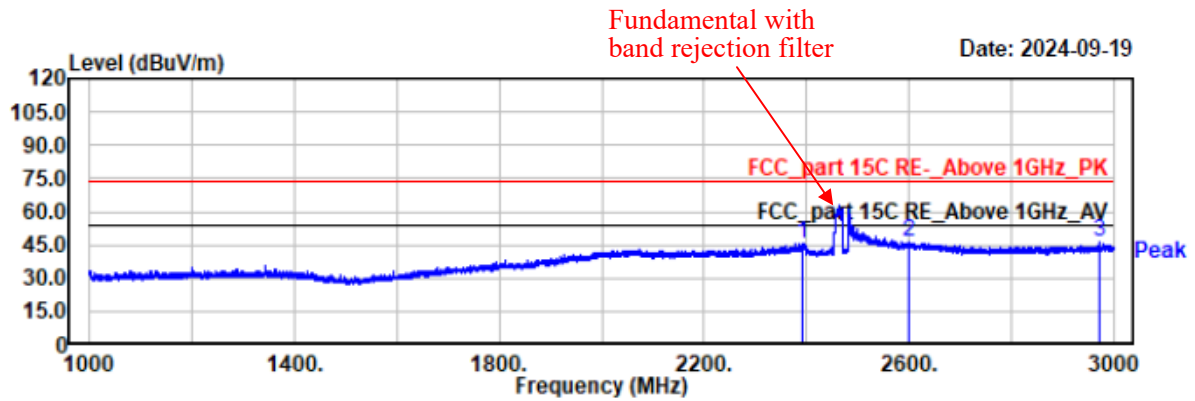
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2391.20	52.37	-5.30	47.07	74.00	26.93	horizontal	Peak
2571.00	50.22	-3.40	46.82	74.00	27.18	horizontal	Peak
2920.20	49.54	-4.32	45.22	74.00	28.78	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11g-2462
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

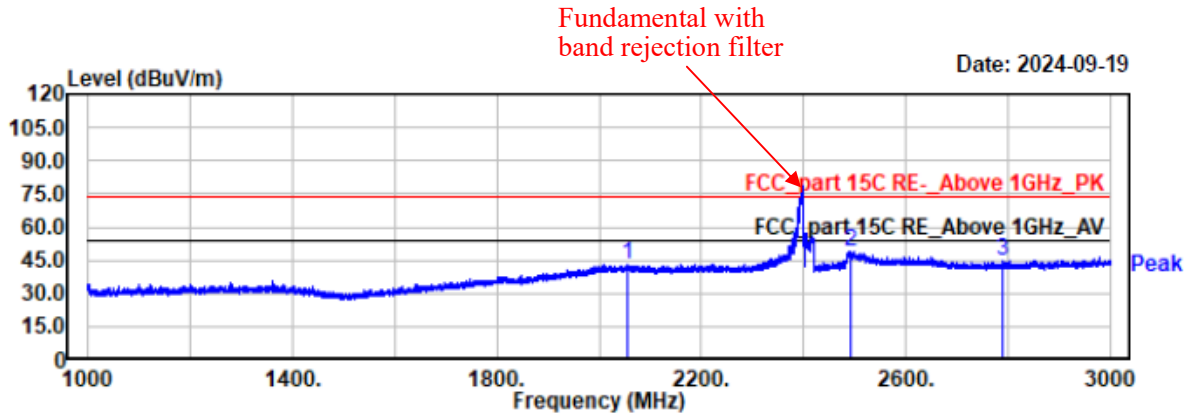


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2391.60	50.76	-5.30	45.46	74.00	28.54	vertical	Peak
2601.20	49.69	-3.30	46.39	74.00	27.61	vertical	Peak
2973.00	50.05	-4.12	45.93	74.00	28.07	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT20 low channel

Project No.: 2407V20721E-RF
Test Mode: 11n20-2412
EUT Model: NLS-NQuire1500
Test distance: 3m

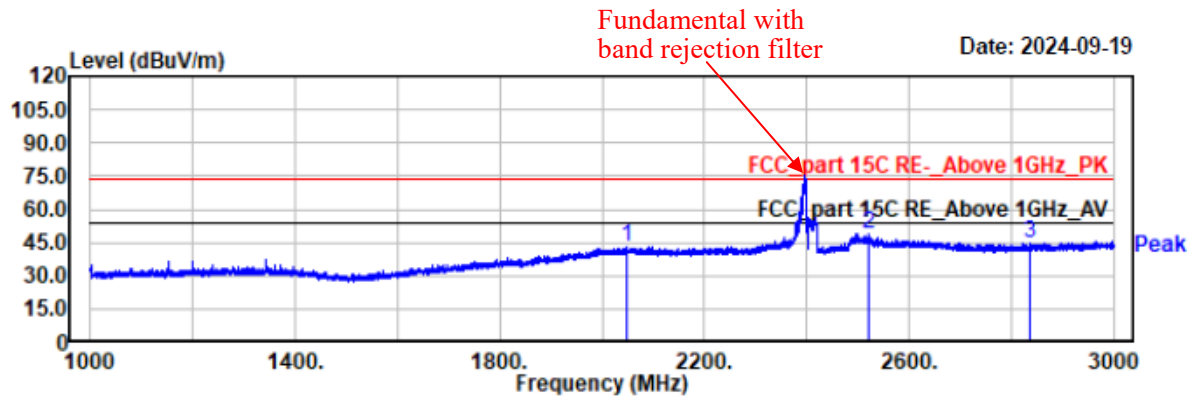
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2056.80	49.19	-6.09	43.10	74.00	30.90	horizontal	Peak
2493.00	53.40	-4.27	49.13	74.00	24.87	horizontal	Peak
2788.80	49.59	-4.72	44.87	74.00	29.13	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20-2412
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

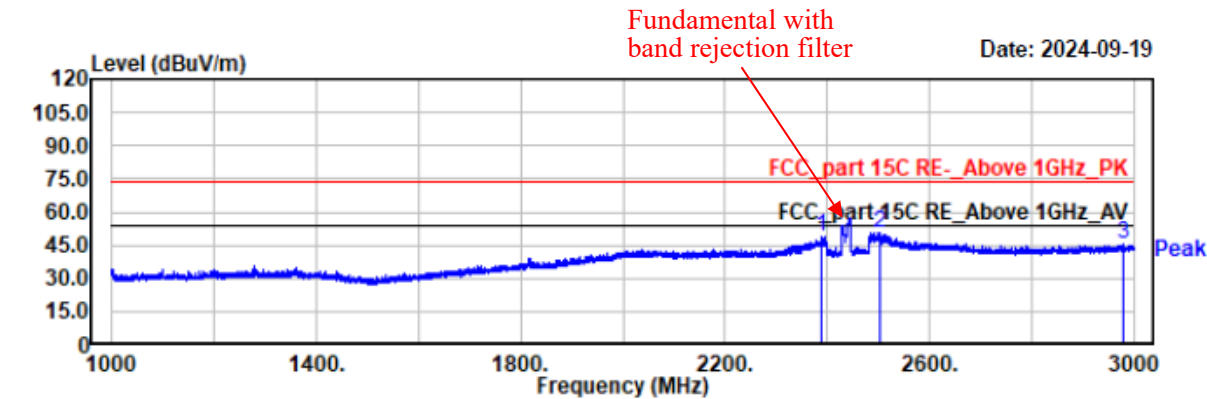


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2047.20	49.01	-6.03	42.98	74.00	31.02	vertical	Peak
2522.00	52.29	-3.84	48.45	74.00	25.55	vertical	Peak
2836.00	49.54	-4.59	44.95	74.00	29.05	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT20 middle channel

Project No.: 2407V20721E-RF
Test Mode: 11n20-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

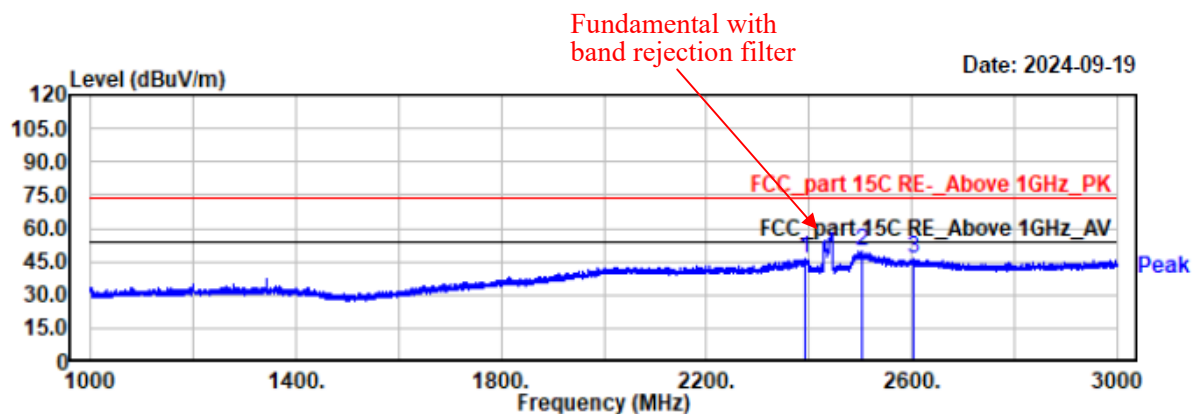
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2389.40	54.06	-5.33	48.73	74.00	25.27	horizontal	Peak
2503.00	54.50	-4.10	50.40	74.00	23.60	horizontal	Peak
2980.00	49.60	-4.09	45.51	74.00	28.49	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

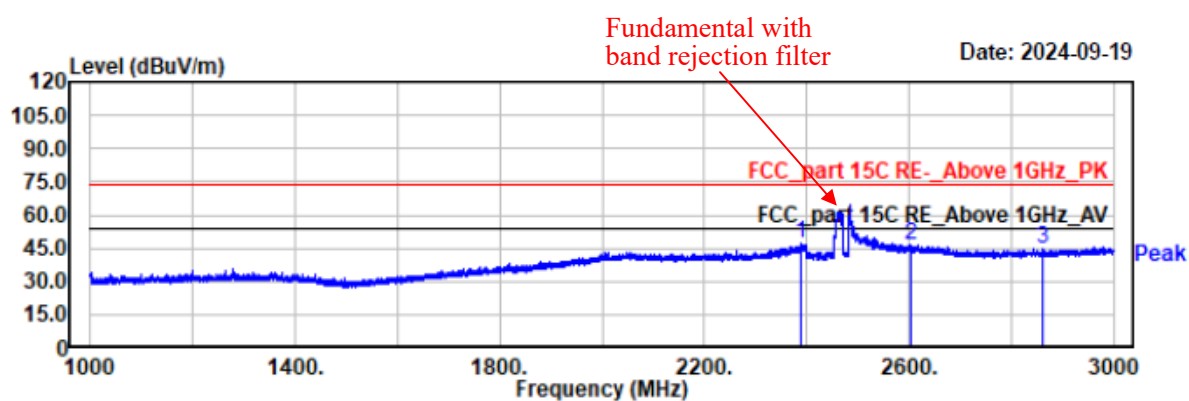


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2392.40	51.23	-5.29	45.94	74.00	28.06	vertical	Peak
2504.40	53.95	-4.08	49.87	74.00	24.13	vertical	Peak
2604.80	49.51	-3.31	46.20	74.00	27.80	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT20 high channel

Project No.: 2407V20721E-RF
Test Mode: 11n20-2462
EUT Model: NLS-NQuire1500
Test distance: 3m

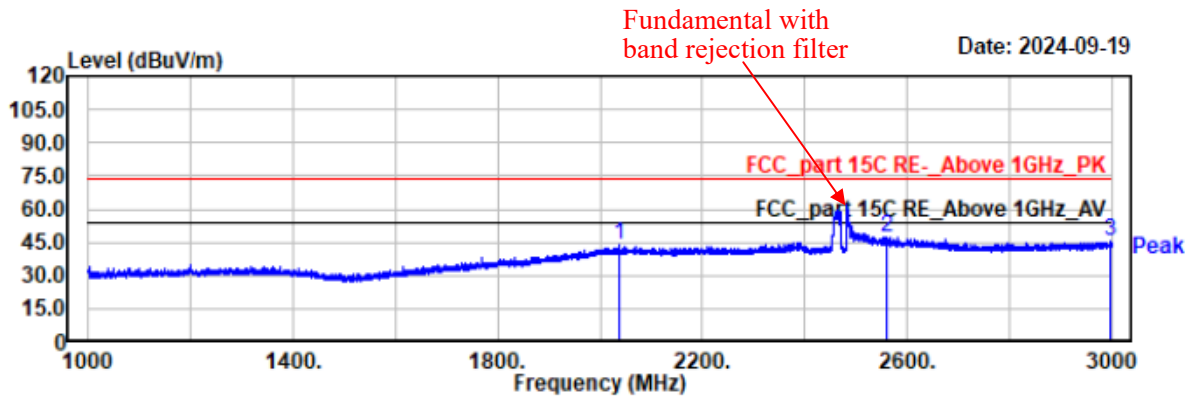
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2388.20	52.24	-5.35	46.89	74.00	27.11	horizontal	Peak
2605.00	49.92	-3.31	46.61	74.00	27.39	horizontal	Peak
2860.00	48.91	-4.51	44.40	74.00	29.60	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20-2462
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

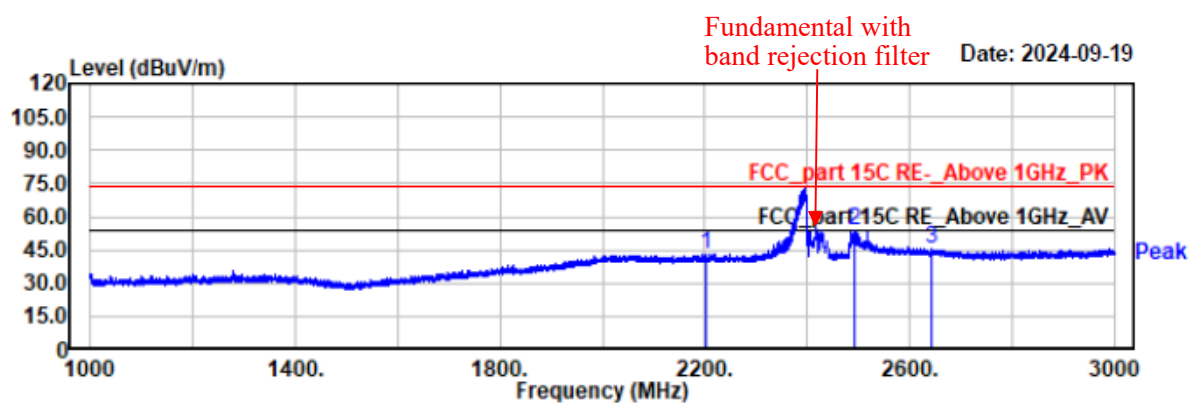


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2036.20	49.67	-6.20	43.47	74.00	30.53	vertical	Peak
2560.40	50.94	-3.44	47.50	74.00	26.50	vertical	Peak
2997.00	49.16	-4.03	45.13	74.00	28.87	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11 n HT40 low channel

Project No.: 2407V20721E-RF
Test Mode: 11n40-2422
EUT Model: NLS-NQuire1500
Test distance: 3m

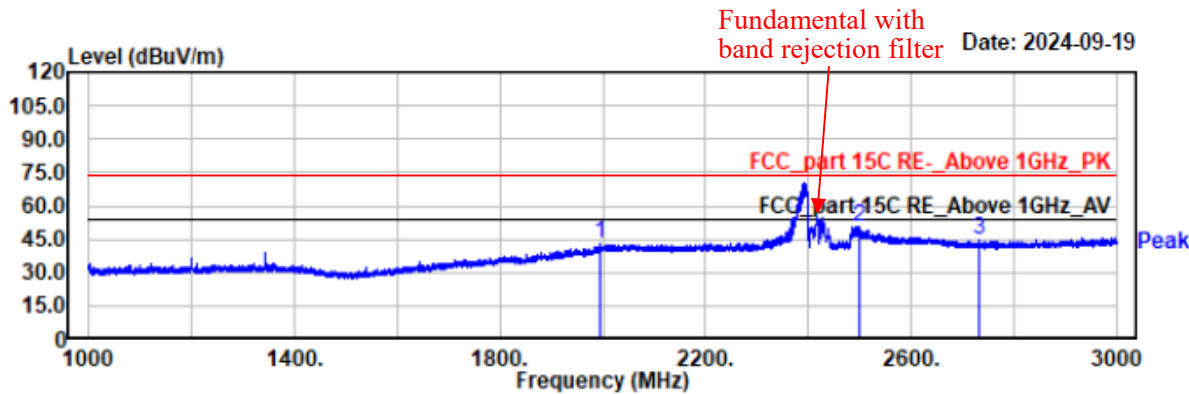
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2202.60	49.08	-6.25	42.83	74.00	31.17	horizontal	Peak
2491.60	57.91	-4.30	53.61	74.00	20.39	horizontal	Peak
2643.60	48.70	-3.37	45.33	74.00	28.67	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40-2422
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

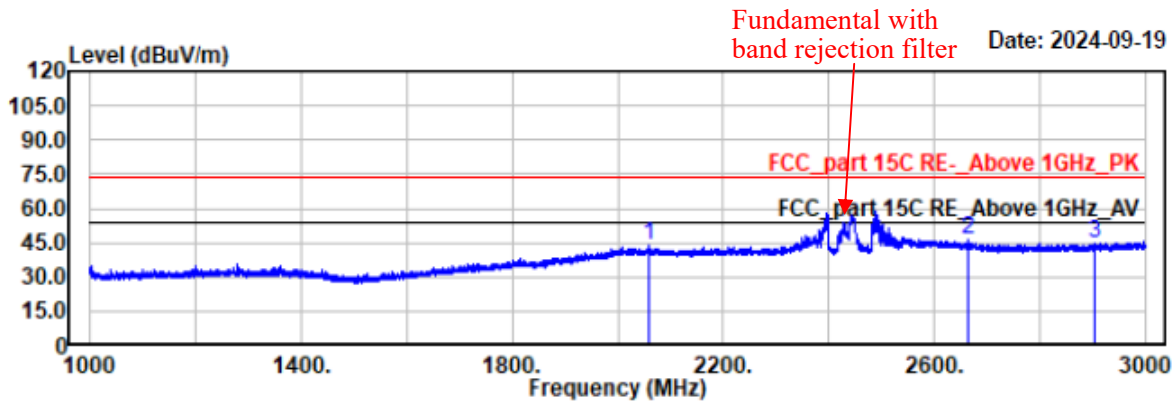


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1995.20	49.73	-6.91	42.82	74.00	31.18	vertical	Peak
2500.00	54.49	-4.14	50.35	74.00	23.65	vertical	Peak
2733.80	49.51	-4.77	44.74	74.00	29.26	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11 n HT40 middle channel

Project No.: 2407V20721E-RF
Test Mode: 11n40-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

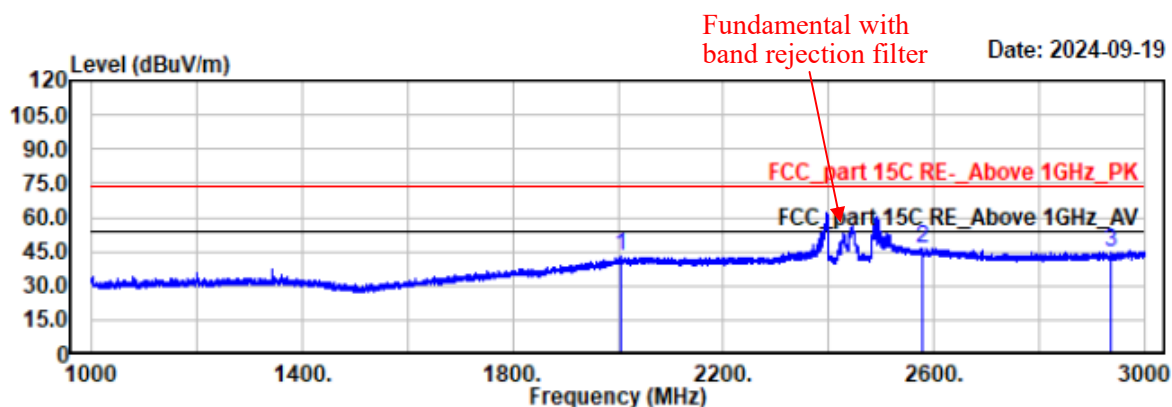
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2059.80	49.64	-6.13	43.51	74.00	30.49	horizontal	Peak
2665.00	50.16	-3.75	46.41	74.00	27.59	horizontal	Peak
2902.40	49.13	-4.38	44.75	74.00	29.25	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40-2437
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

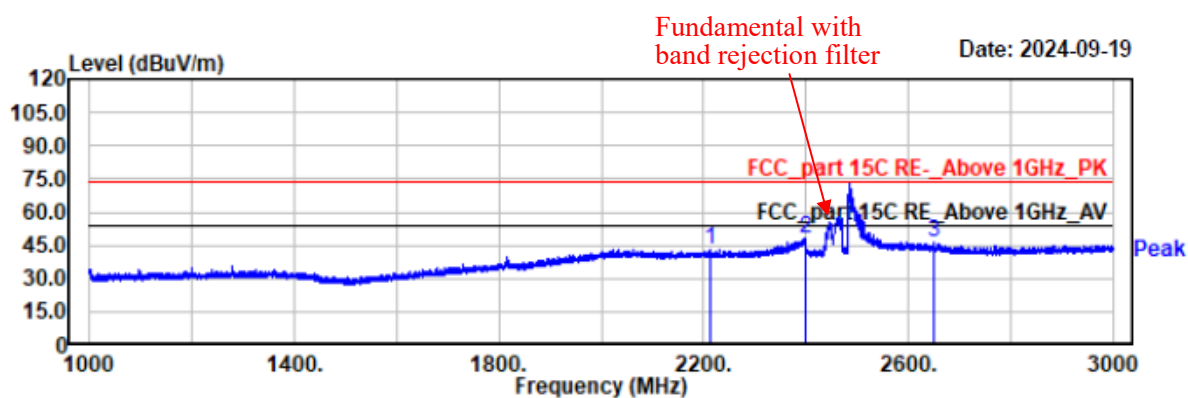


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2006.00	49.56	-6.67	42.89	74.00	31.11	vertical	Peak
2576.80	49.84	-3.37	46.47	74.00	27.53	vertical	Peak
2936.00	49.12	-4.26	44.86	74.00	29.14	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT40 high channel

Project No.: 2407V20721E-RF
Test Mode: 11n40-2452
EUT Model: NLS-NQuire1500
Test distance: 3m

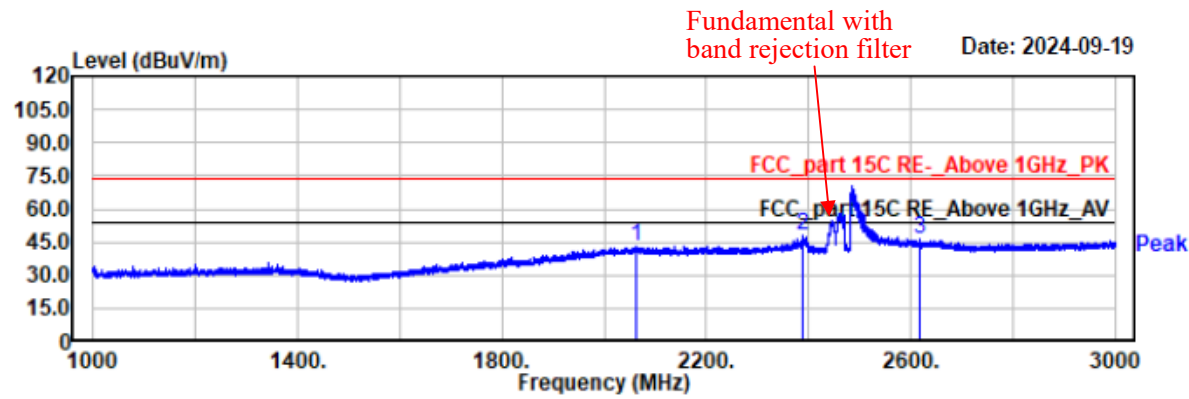
Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2212.60	49.39	-6.25	43.14	74.00	30.86	horizontal	Peak
2397.60	53.39	-5.22	48.17	74.00	25.83	horizontal	Peak
2648.20	49.31	-3.37	45.94	74.00	28.06	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40-2452
EUT Model: NLS-NQuire1500
Test distance: 3m

Temp/Humi/ATM: 23.4°C/50%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2062.80	49.25	-6.17	43.08	74.00	30.92	vertical	Peak
2387.00	53.48	-5.36	48.12	74.00	25.88	vertical	Peak
2616.00	49.44	-3.32	46.12	74.00	27.88	vertical	Peak

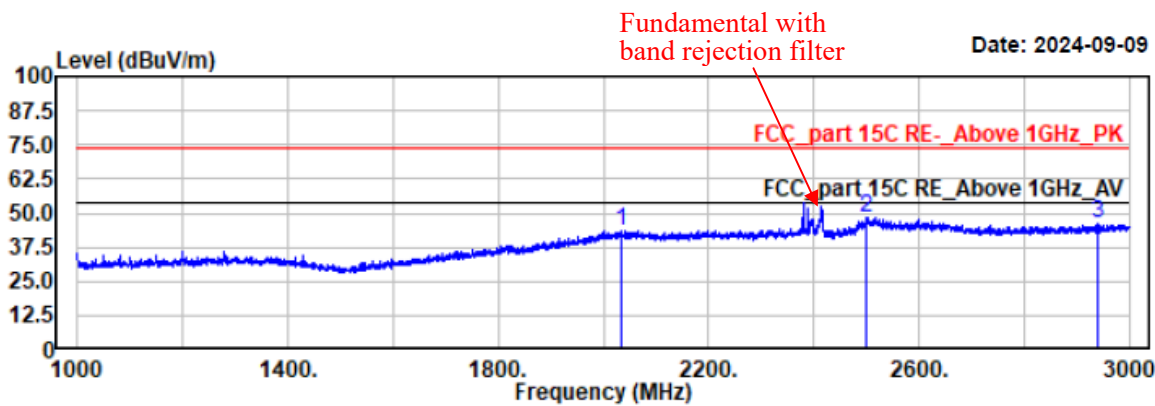
1GHz~3GHz

EUT Model: NLS-NQuire500

EUT operation mode: Transmitting in Wifi 802.11b low channel

Project No.: 2407V20721E-RF
Test Mode: 11b-2412
EUT Model: NLS-NQuire500
Test distance: 3m

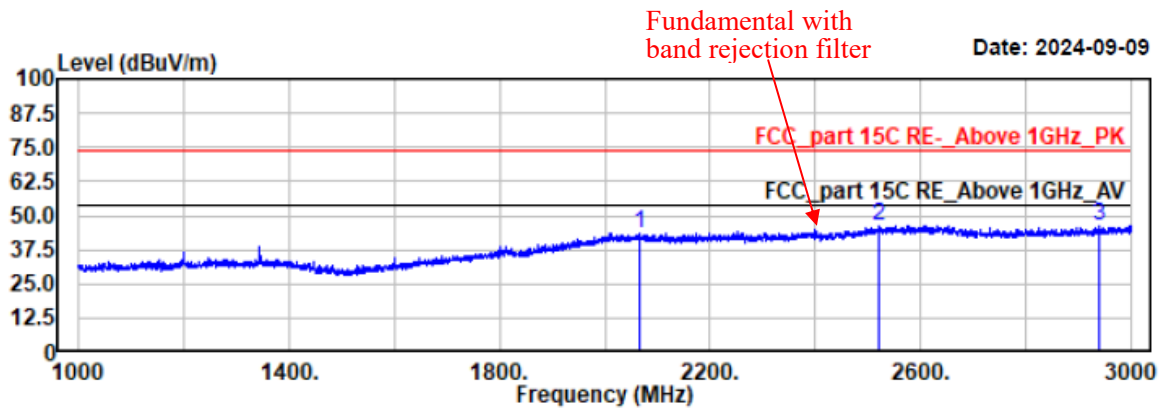
Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2032.50	48.86	-5.08	43.78	74.00	30.22	horizontal	Peak
2500.00	51.38	-2.82	48.56	74.00	25.44	horizontal	Peak
2940.00	49.05	-2.80	46.25	74.00	27.75	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11b-2412
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

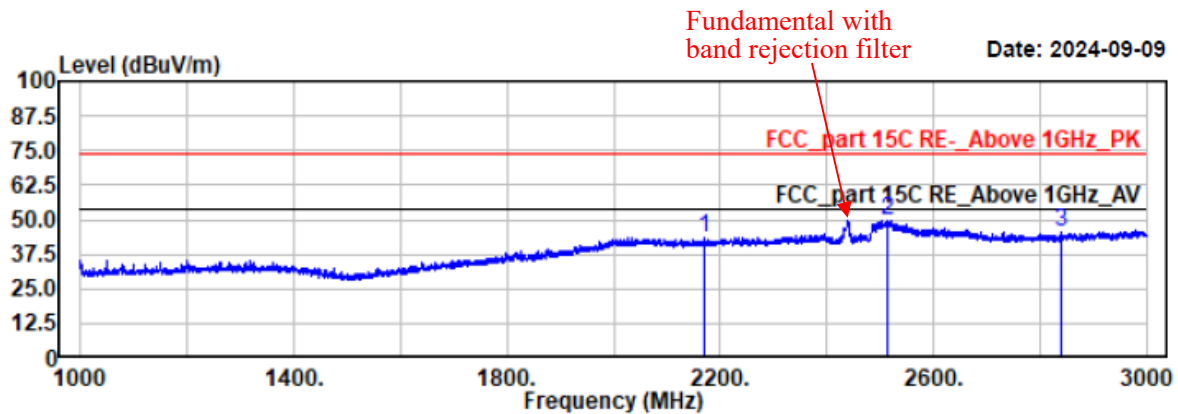


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2066.50	48.76	-5.05	43.71	74.00	30.29	vertical	Peak
2521.00	49.04	-2.53	46.51	74.00	27.49	vertical	Peak
2941.50	48.83	-2.79	46.04	74.00	27.96	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11b middle channel

Project No.: 2407V20721E-RF
Test Mode: 11b-2437
EUT Model: NLS-NQuire500
Test distance: 3m

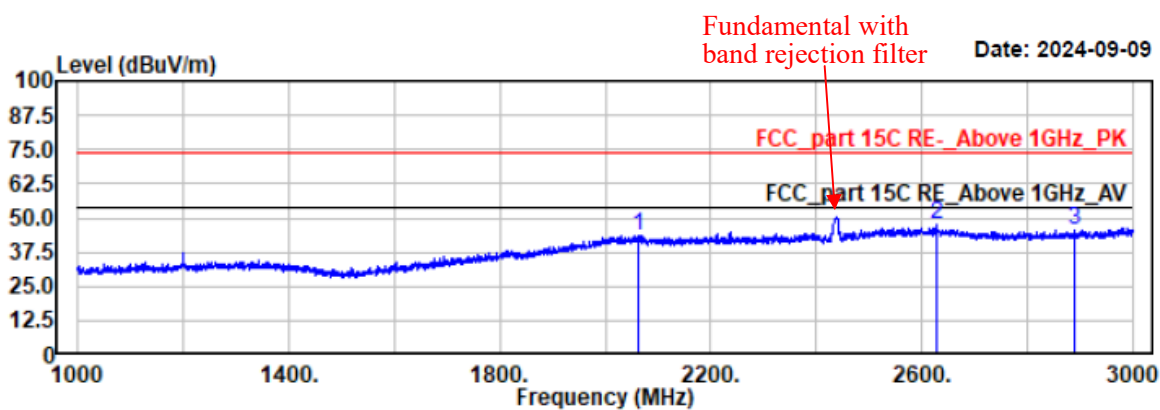
Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2169.00	49.06	-5.34	43.72	74.00	30.28	horizontal	Peak
2515.50	52.56	-2.61	49.95	74.00	24.05	horizontal	Peak
2838.00	48.95	-3.16	45.79	74.00	28.21	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11b-2437
EUT Model:NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

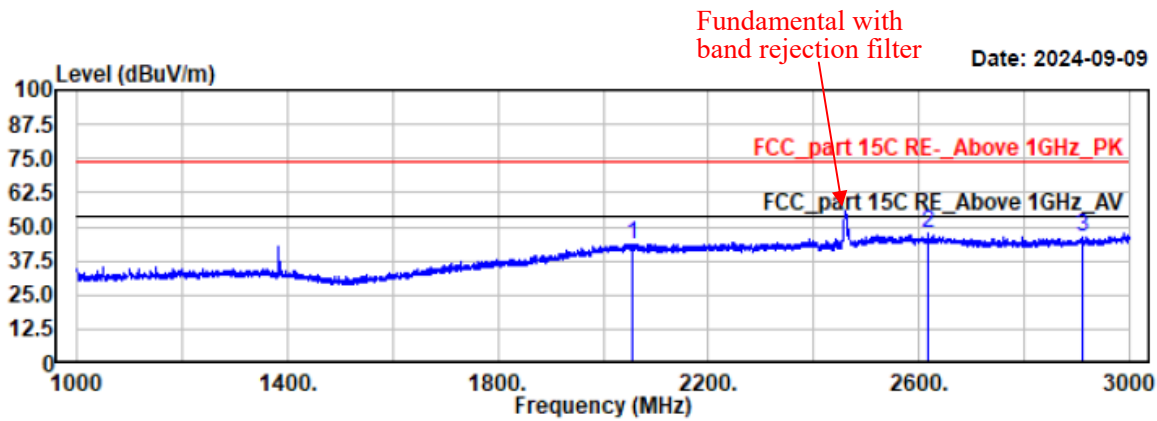


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2064.00	48.61	-5.01	43.60	74.00	30.40	vertical	Peak
2629.50	49.37	-1.98	47.39	74.00	26.61	vertical	Peak
2891.00	48.66	-2.99	45.67	74.00	28.33	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11b high channel

Project No.: 2407V20721E-RF
Test Mode: 11b-2462
EUT Model: NLS-NQuire500
Test distance: 3m

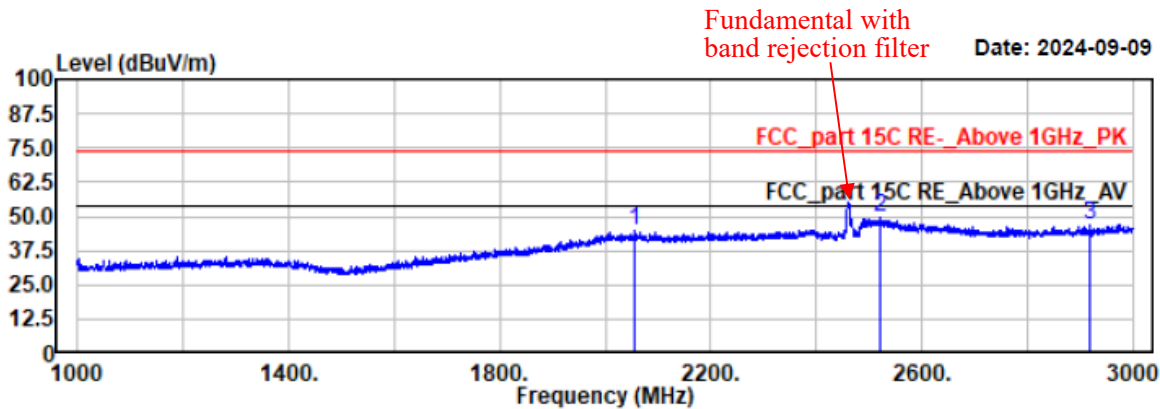
Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2054.00	48.63	-4.87	43.76	74.00	30.24	horizontal	Peak
2617.50	49.58	-1.98	47.60	74.00	26.40	horizontal	Peak
2911.50	49.04	-2.91	46.13	74.00	27.87	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11b-2462
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

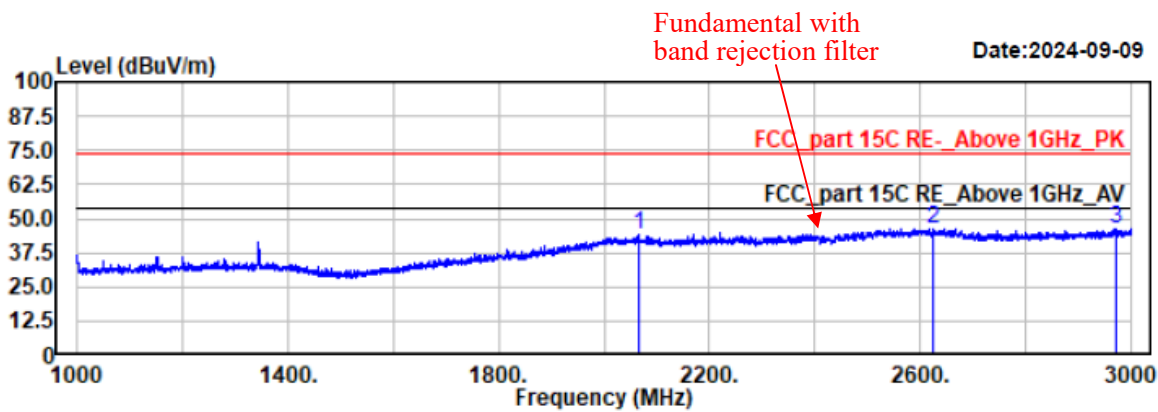


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2057.00	49.60	-4.91	44.69	74.00	29.31	vertical	Peak
2520.50	52.21	-2.53	49.68	74.00	24.32	vertical	Peak
2918.00	49.96	-2.88	47.08	74.00	26.92	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11g low channel

Project No.: 2407V20721E-RF
Test Mode: 11g-2412
EUT Model: NLS-NQuire500
Test distance: 3m

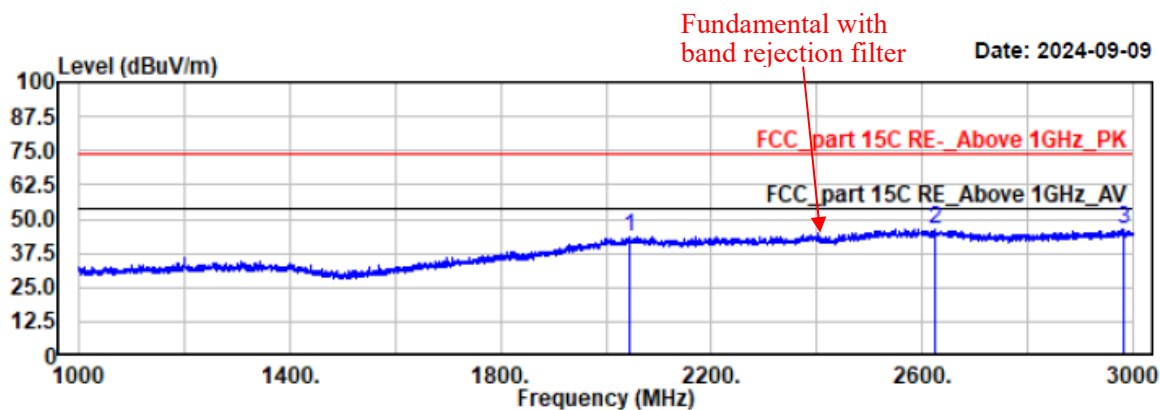
Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2066.50	49.24	-5.05	44.19	74.00	29.81	horizontal	Peak
2625.50	48.49	-1.97	46.52	74.00	27.48	horizontal	Peak
2973.00	49.06	-2.67	46.39	74.00	27.61	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11g-2412
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2044.00	48.08	-4.90	43.18	74.00	30.82	vertical	Peak
2625.50	48.33	-1.97	46.36	74.00	27.64	vertical	Peak
2984.50	49.04	-2.62	46.42	74.00	27.58	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11g middle channel

Project No.: 2407V20721E-RF

Test Mode: 11g-2437

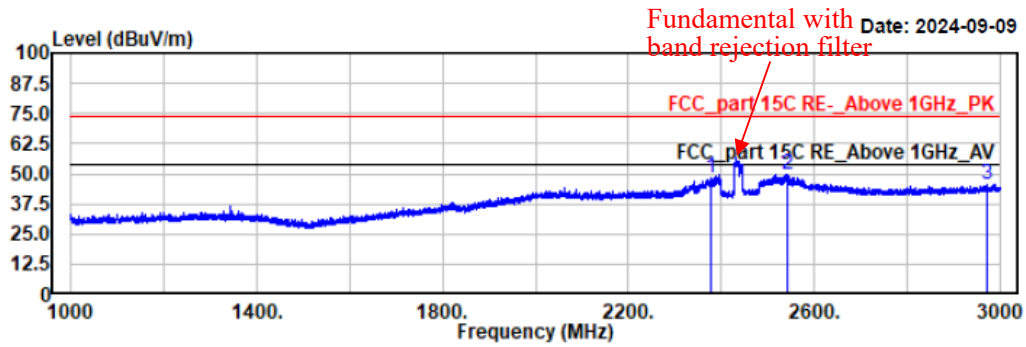
EUT Model: NLS-NQuire500

Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa

Tested by: Wlif Wu

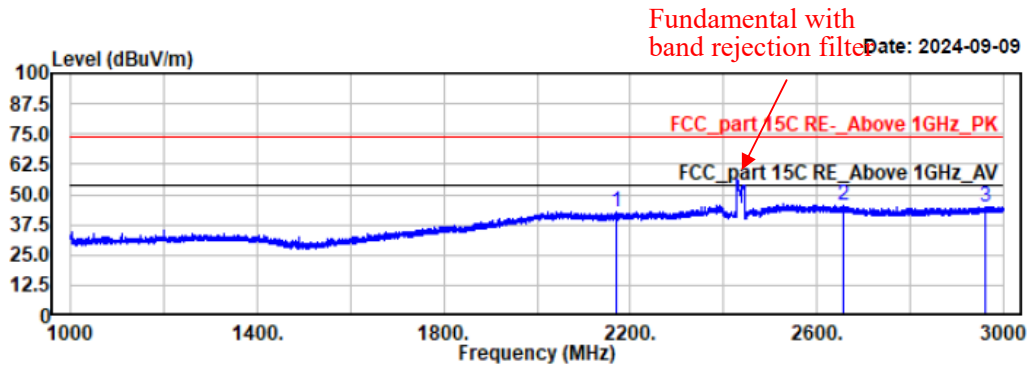
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2376.40	53.95	-5.50	48.45	74.00	25.55	horizontal	Peak
2543.40	52.97	-3.56	49.41	74.00	24.59	horizontal	Peak
2971.80	49.79	-4.12	45.67	74.00	28.33	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11g-2437
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

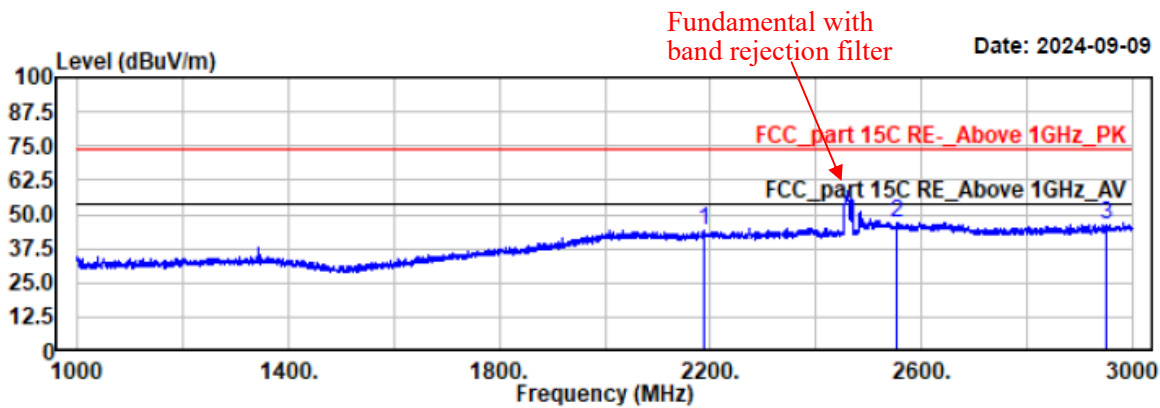


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2171.40	49.41	-6.53	42.88	74.00	31.12	vertical	Peak
2658.40	48.97	-3.59	45.38	74.00	28.62	vertical	Peak
2961.20	49.10	-4.17	44.93	74.00	29.07	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11g high channel

Project No.: 2407V20721E-RF
Test Mode: 11g-2462
EUT Model: NLS-NQuire500
Test distance: 3m

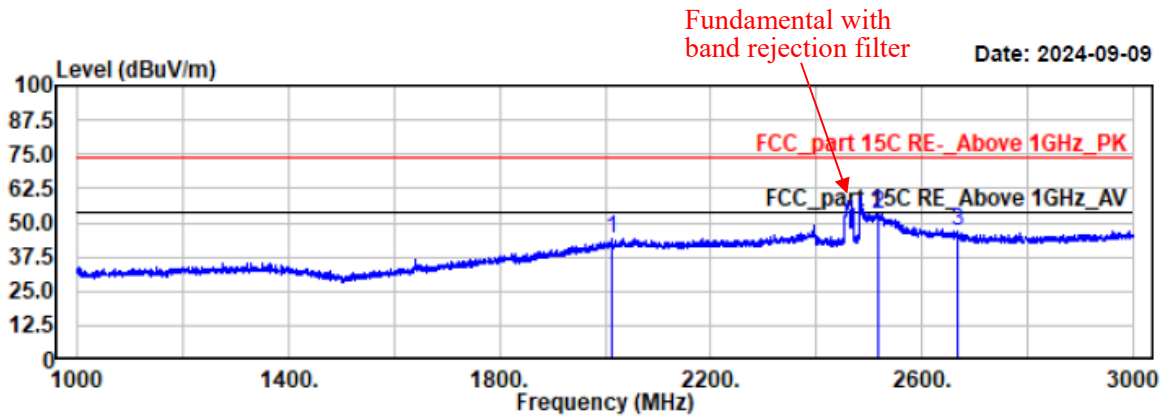
Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2186.50	49.26	-5.16	44.10	74.00	29.90	horizontal	Peak
2552.50	49.14	-2.13	47.01	74.00	26.99	horizontal	Peak
2951.50	48.91	-2.75	46.16	74.00	27.84	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11g-2462
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

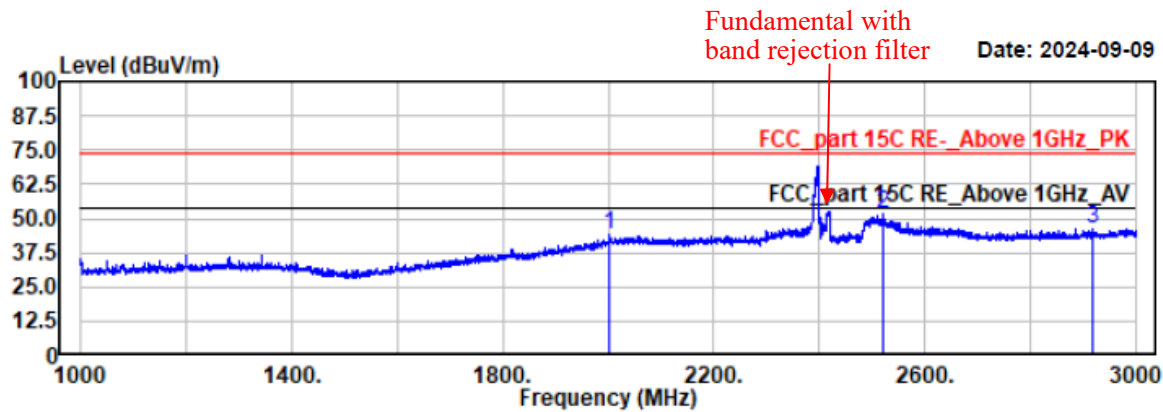


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2012.50	582.82	-538.67	44.15	74.00	29.85	Vertical	Peak
2518.00	592.17	-538.72	53.45	74.00	20.55	Vertical	Peak
2666.50	585.86	-538.69	47.17	74.00	26.83	Vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT20 low channel

Project No.: 2407V20721E-RF
Test Mode: 11n20-2412
EUT Model: NLS-NQuire500
Test distance: 3m

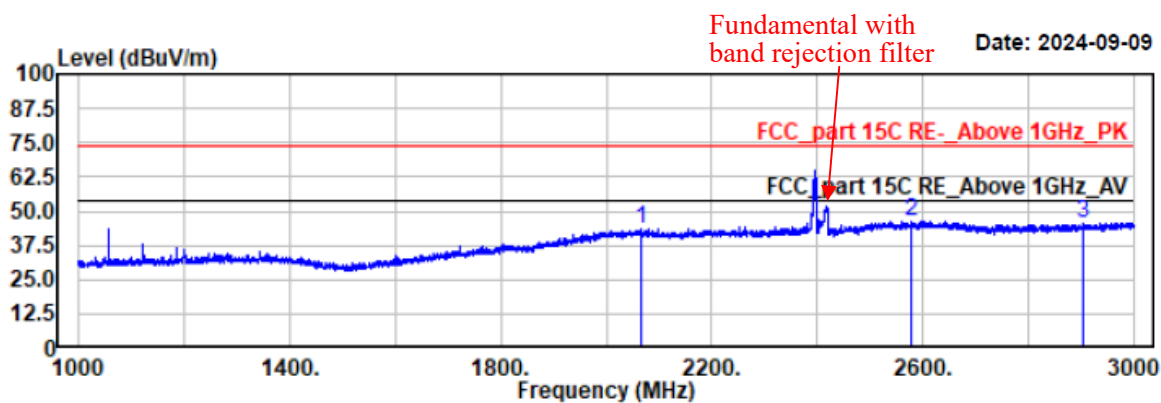
Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2001.50	49.85	-5.57	44.28	74.00	29.72	horizontal	Peak
2521.00	54.11	-2.53	51.58	74.00	22.42	horizontal	Peak
2920.00	48.88	-2.88	46.00	74.00	28.00	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20-2412
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

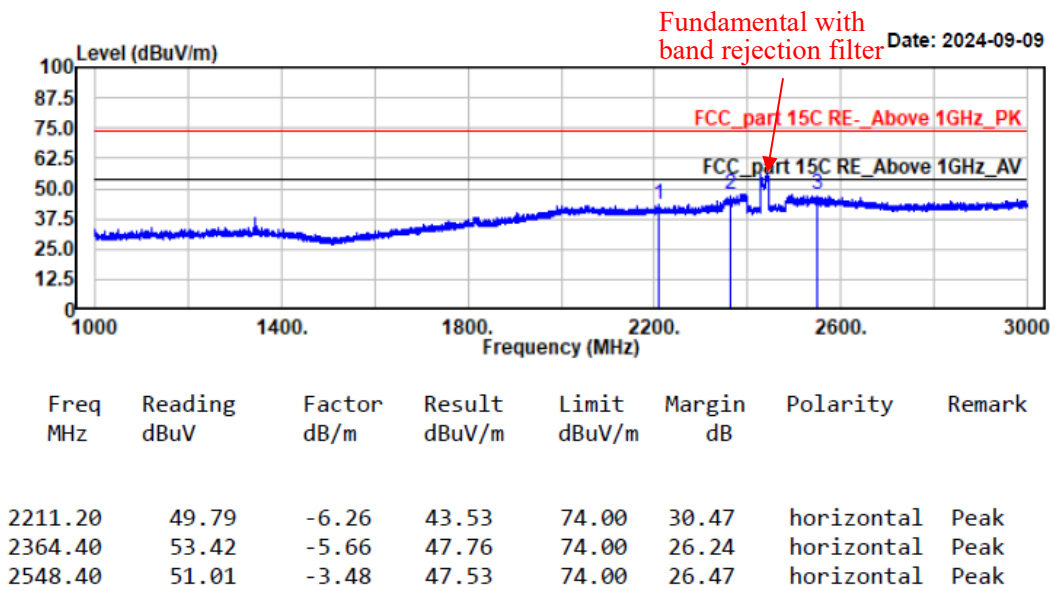


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2065.00	48.76	-5.03	43.73	74.00	30.27	vertical	Peak
2579.00	48.44	-2.03	46.41	74.00	27.59	vertical	Peak
2905.50	48.17	-2.94	45.23	74.00	28.77	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT20 middle channel

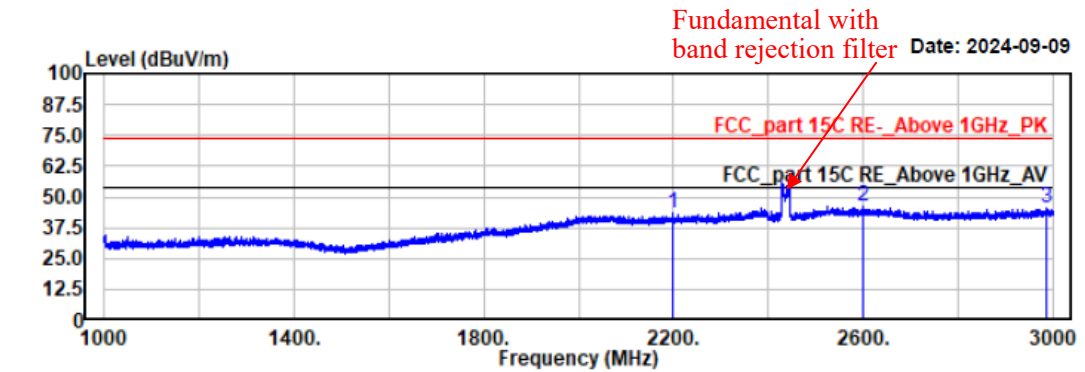
Project No.: 2407V20721E-RF
Test Mode: 11n20-2437
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Project No.: 2407V20721E-RF
Test Mode: 11n20-2437
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

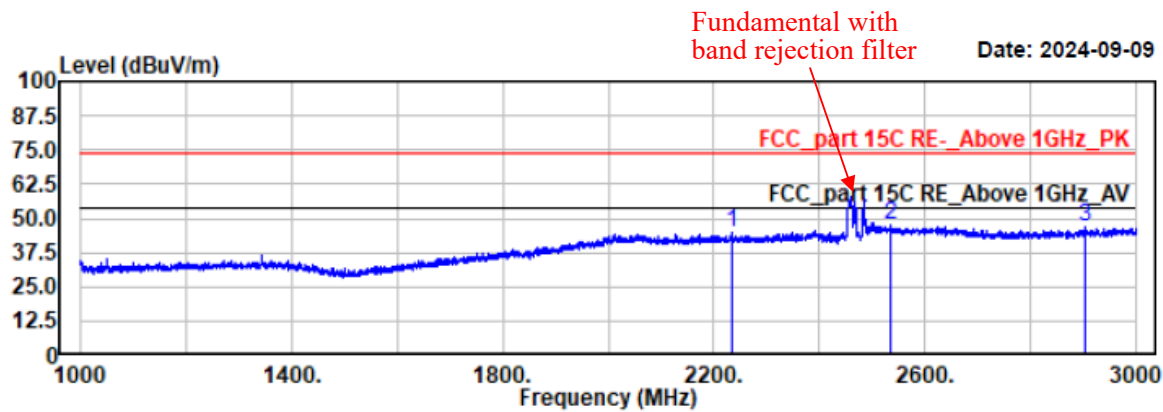


Freq MHz	Reading dBuV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
2197.20	49.48	-6.28	43.20	74.00	30.80	vertical	Peak
2600.00	49.19	-3.30	45.89	74.00	28.11	vertical	Peak
2984.80	49.41	-4.08	45.33	74.00	28.67	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT20 high channel

Project No.: 2407V20721E-RF
Test Mode: 11n20-2462
EUT Model: NLS-NQuire500
Test distance: 3m

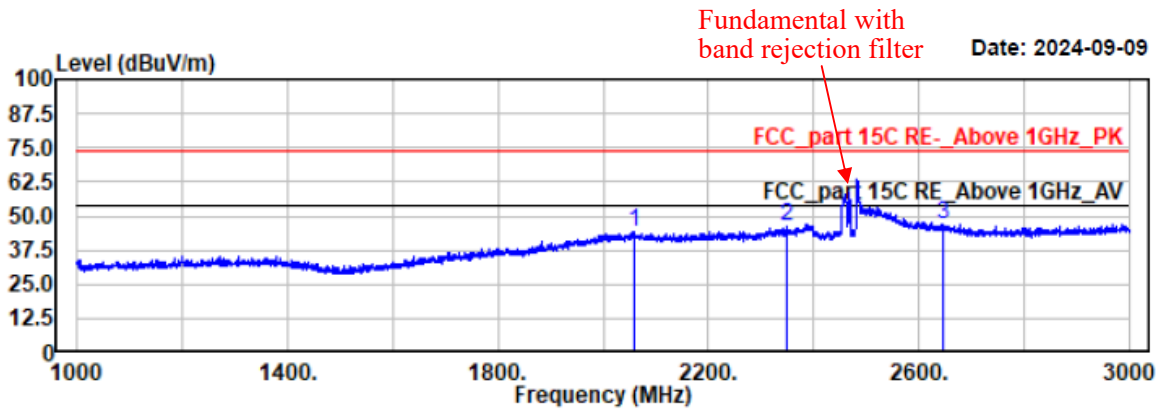
Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2233.00	49.86	-5.01	44.85	74.00	29.15	horizontal	Peak
2534.00	49.87	-2.35	47.52	74.00	26.48	horizontal	Peak
2904.00	49.88	-2.94	46.94	74.00	27.06	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20-2462
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

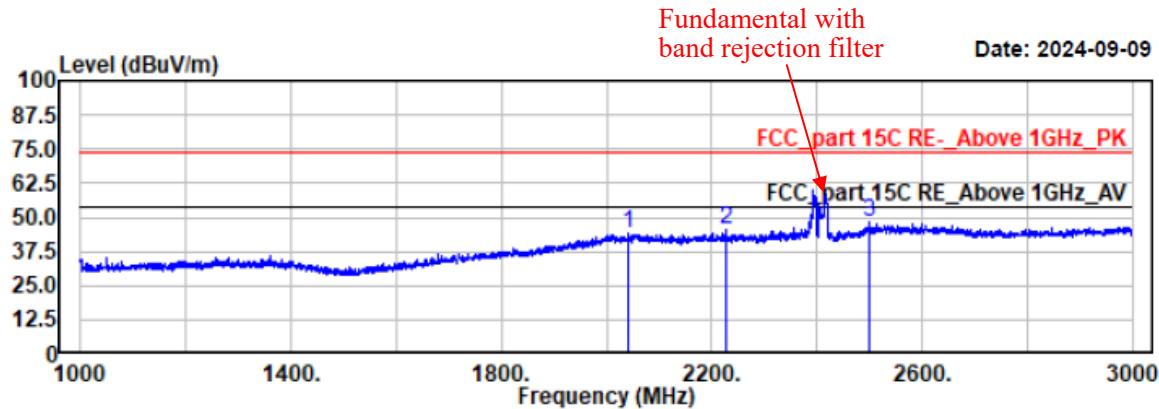


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2059.50	49.26	-4.94	44.32	74.00	29.68	vertical	Peak
2350.00	50.51	-4.59	45.92	74.00	28.08	vertical	Peak
2645.00	49.24	-2.00	47.24	74.00	26.76	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT40 low channel

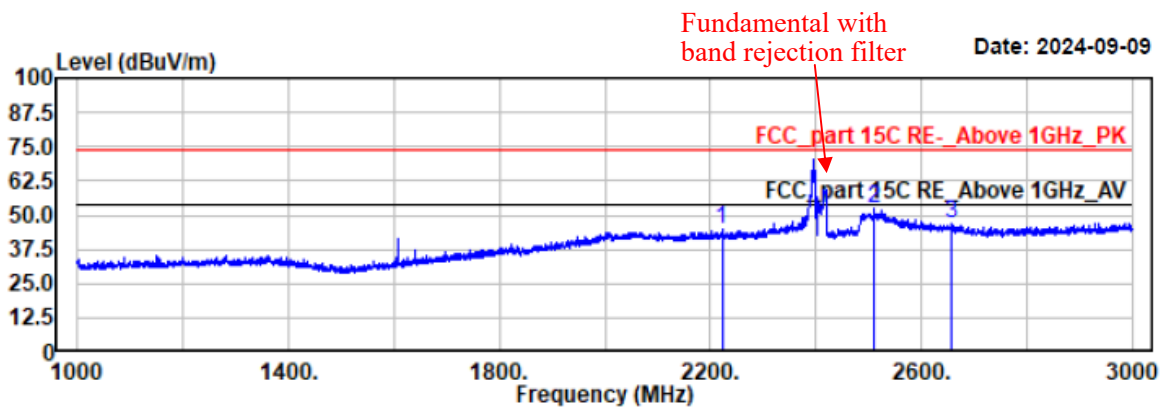
Project No.: 2407V20721E-RF
Test Mode: 11n40-2422
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1℃/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Project No.: 2407V20721E-RF
Test Mode: 11n40-2422
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

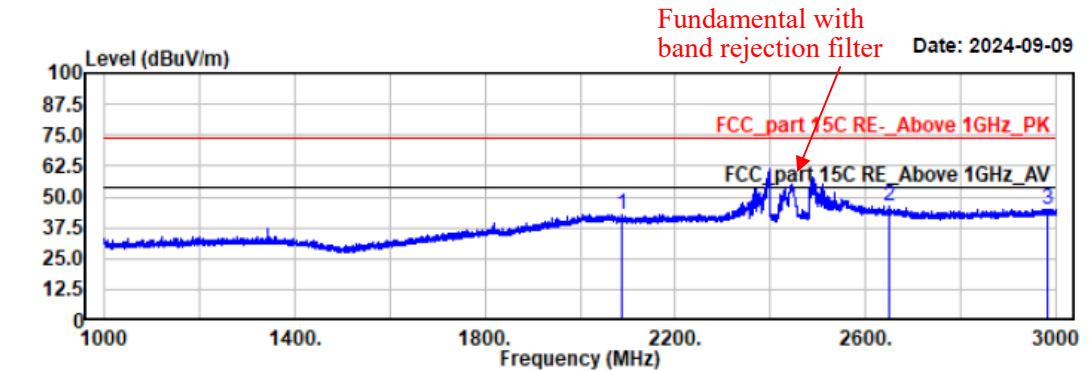


Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2222.00	49.68	-5.03	44.65	74.00	29.35	vertical	Peak
2511.00	54.74	-2.67	52.07	74.00	21.93	vertical	Peak
2657.00	49.00	-2.19	46.81	74.00	27.19	vertical	Peak

EUT operation mode: Transmitting in Wifi 802.11n HT40 middle channel

Project No.: 2407V20721E-RF
Test Mode: 11n40-2437
EUT Model: NLS-NQuire500
Test distance: 3m

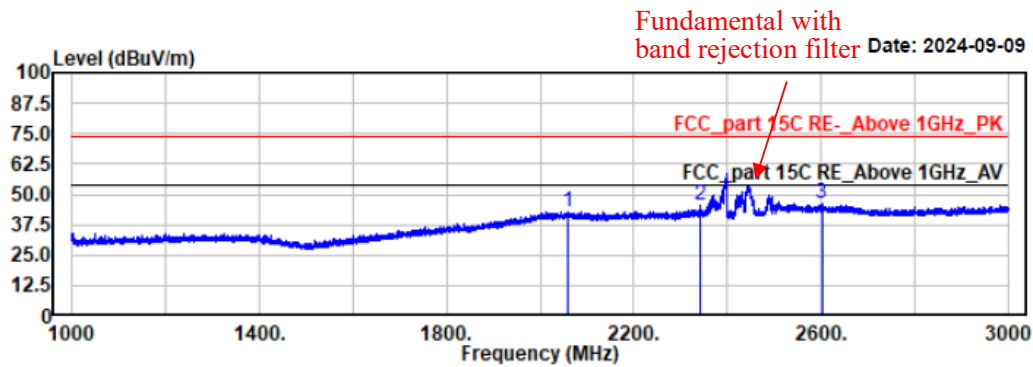
Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2087.00	49.55	-6.53	43.02	74.00	30.98	horizontal	Peak
2650.60	49.35	-3.39	45.96	74.00	28.04	horizontal	Peak
2982.20	49.26	-4.09	45.17	74.00	28.83	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40-2437
EUT Model: NLS-NQuire500
Test distance: 3m

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2057.80	48.75	-6.10	42.65	74.00	31.35	vertical	Peak
2342.20	51.32	-5.93	45.39	74.00	28.61	vertical	Peak
2601.60	49.26	-3.30	45.96	74.00	28.04	vertical	Peak