



FCC PART 15.247

TEST REPORT

For

Shenzhen HPYJ Technology Co., Ltd

4F, Bldg A, No. 210 Jiuwei Rd, Jiuwei Community Hangcheng Subdistrict, Bao' an, Shenzhen,
Guangdong, China

FCC ID: 2BVZR-HP-N327W

Report Type:

Original Report

Product Name:

4G POC LTE Walkie Talkie

Report Number:

2607P07491E-RF-03

Report Date:

2026-07-22

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2607P07491E-RF-03	R1V1	2026-07-22	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:		Shenzhen HPYJ Technology Co., Ltd
Product Name:		4G POC LTE Walkie Talkie
Tested Model:		HP-N327W
Multiple Model(s):		HP-N323W, HP-N325W, HP-N326W, HP-N328W
Trade Mark:		HPYJ
Power Supply:		DC 5V from adapter or DC 3.7V from battery
Adapter information	Model:	R39
	Input:	AC 100-240V, 50/60Hz, 0.3A Max
	Output:	DC 5V, 2.0A
Maximum Peak Conducted Output Power:		18.94 dBm
Frequency Range:		802.11b/g/n20: 2412-2462 MHz
Modulation Technique:		DSSS, OFDM
Antenna Type:		Ceramic Antenna
★Maximum Antenna Gain:		5.5dBi
EUT Received Status:		Good
<i>Note:</i> 1. The Maximum Antenna Gain was declared by manufacturer. 2. The test model is identify with the series model except for the model name and outer speaker enclosure, please refer to declaration letter for more detail. Based on the description above, these differences do not affect the test results. Therefore, model HP-N327W has been selected for full testing. 3. All measurement and test data in this report was gathered from production sample serial number: 3GX1-1 (RF conducted), 3GX1-3 (Conducted Emission and Radiated Spurious Emission) (Assigned by the BACL(Xiamen). The EUT supplied by the applicant was received on 2026-01-26)		

Objective

This report is prepared on behalf of *Shenzhen HPYJ Technology 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 C63.10-2020, 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. (Xiamen).

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 Emissions	150kHz-30MHz(LISN)	2.52dB
Radiated Spurious Emission	9kHz-150kHz	2.82dB
	150kHz-30MHz	2.74dB
	30MHz~1GHz	4.68dB
	1GHz~18GHz	5.00dB
	18GHz~26.5GHz	4.90dB
Occupied Channel Bandwidth		2%
Transmitter Conducted Power(Conducted RF power)		± 1.49 dB
Conducted Spurious Emission		± 2.92 dB
Power Spectral Density		2.52dB
Duty Cycle		1%
Temperature		$\pm 1^{\circ}\text{C}$
Humidity		$\pm 5\%$
Supply voltages		$\pm 0.4\%$

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 engineering mode, which provided by manufacturer.	
Test mode:	Test mode 1: Transmitting
Test voltage:	DC 5V from adapter (AC 120V/60Hz)
Remark:	During all emission tests, the EUT was configured to measure its highest possible emission level and the worst case's test data was presented in this test report.

Description of Test Configuration

For 802.11b, 802.11g, 802.11n-HT20 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.

Equipment Modifications

No modification was made to the EUT tested.

★EUT Exercise Software

Wi-Fi test in the engineer mode.

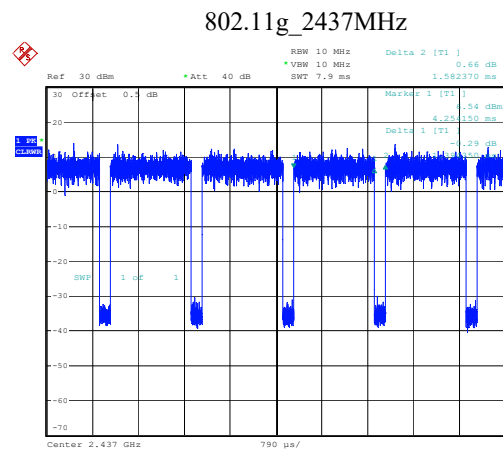
RF Test Tool: sscom5.13.1.exe

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

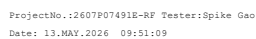
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11b	Lowest	2412	1Mbps	23
	Middle	2437	1Mbps	23
	Highest	2462	1Mbps	23
802.11g	Lowest	2412	6Mbps	12
	Middle	2437	6Mbps	12
	Highest	2462	6Mbps	12
802.11n ht20	Lowest	2412	MCS0	12
	Middle	2437	MCS0	12
	Highest	2462	MCS0	12

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

Test Mode:		Transmitting		Test Engineer:		Spike Gao	
Test Date:		2026-05-13		Environment:		Temp.: 24.3°C Humi.: 60% Atm : 100.1 kPa	
Modes	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	1/T (Hz)	Duty Factor (dB)	VBW Setting (kHz)	
802.11b	8.353	8.63	96.79	120	0.14	0.20	
802.11g	1.394	1.582	88.12	717	0.55	1.00	
802.11n ht20	0.544	0.901	60.38	1838	2.19	2.00	



ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 09:49:49



Support Equipment List and Details

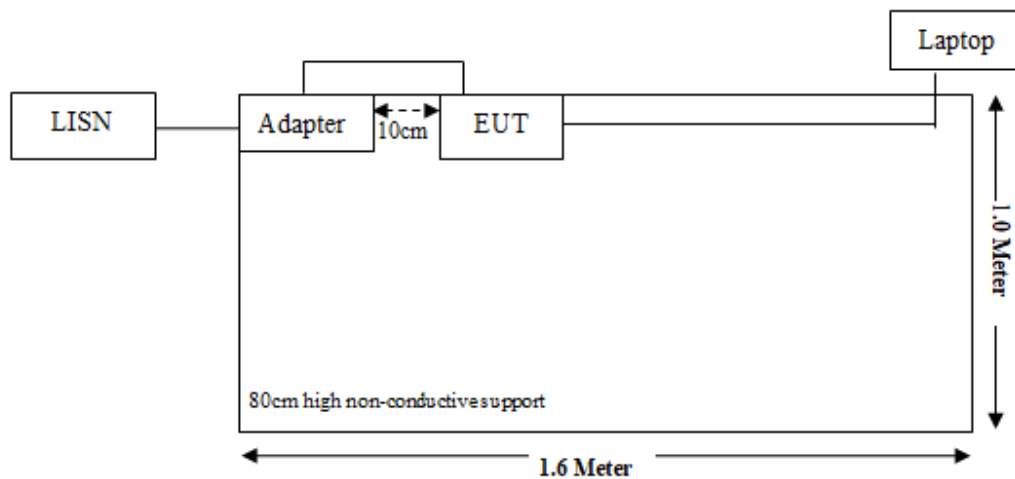
Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T480	PF1P5K4F

External I/O Cable

Cable Description	Length (m)	From Port	To
Audio-USB cable	10	EUT	Laptop

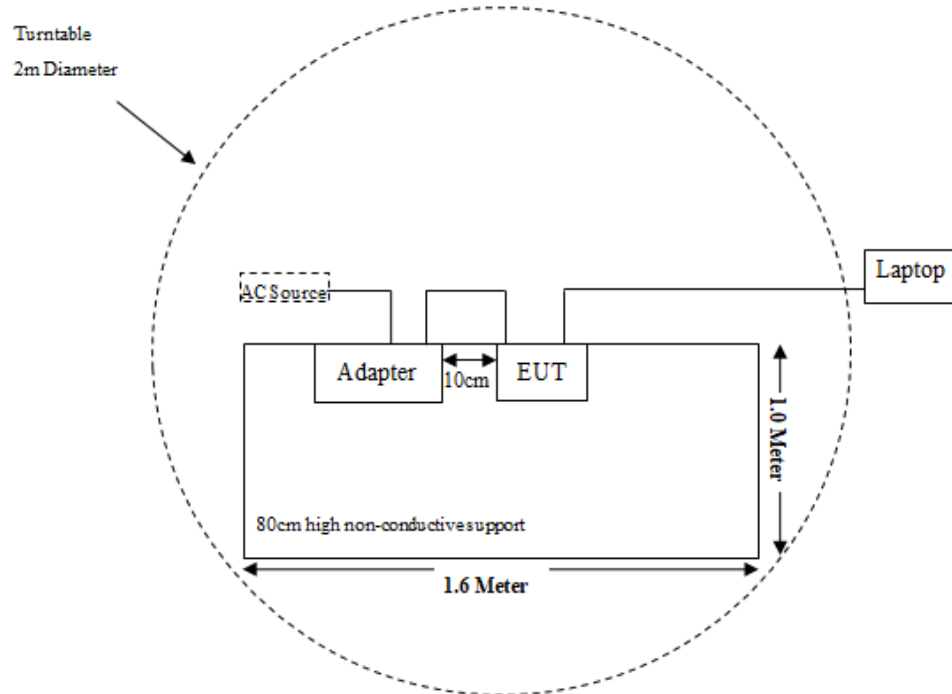
Block Diagram of Test Setup

Conducted Emission:

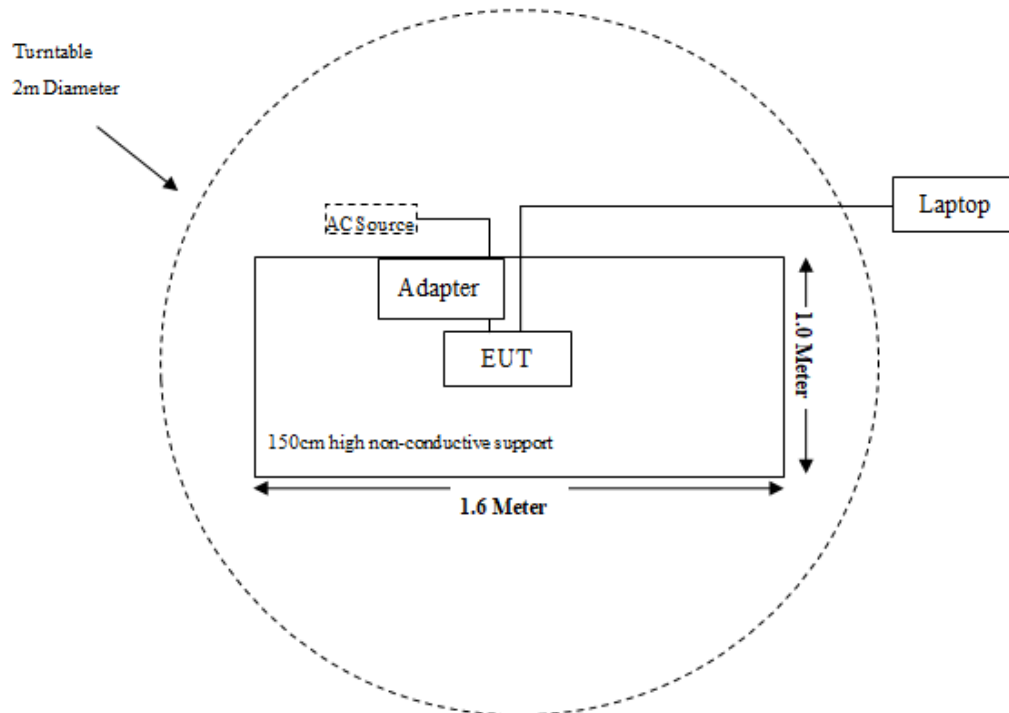


Radiated Spurious Emission:

Below 1GHz



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	2026/01/21	2027/01/20
LISN	Rohde & Schwarz	ENV216	100129	2026/01/21	2027/01/20
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54	2026/01/21	2027/01/20
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC001	2026/01/20	2027/01/19
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Below 1GHz					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2026/01/21	2027/01/20
Loop Antenna	Rohde & Schwarz	HFH2-Z2	830749/001	2026/05/12	2029/05/11
Antenna	Sunol Sciences	JB6	A122022-5	2026/05/12	2029/05/11
Amplifier	Sonoma	310B	120903	2026/01/22	2027/01/21
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	HFH2-CC	335.3609	2026/01/20	2027/01/19
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Above 1 GHz					
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2026/01/21	2027/01/20
Filter Switch Unit	Decentest	DT7220FSU	DS79904	2026/01/20	2027/01/19
Multiplex Switch Test Control Set	Decentest	DT7220SCU	DS79901	2026/01/20	2027/01/19
Horn Antenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Preamplifier	GLOBAL	1313-A100M18G	4121301	2026/01/14	2027/01/13
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2026/01/20	2027/01/19
Horn Antenna	EMCO	3116	9407-2232	2026/05/12	2029/05/11
Preamplifier	A.H.Systems	PAM-1840	200	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-3M	CC008	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-1M	CC009	2026/01/20	2027/01/19
Test Software	Audix	E3	18621a	N/A	N/A
RF Conducted Test					
Spectrum Analyzer	Rohde & Schwarz	FSU	100405	2026/01/21	2027/01/20
USB Wideband Power Sensor	Boonton	55318	8934	2025/09/08	2026/09/07
Test Software	JD	JDAutoTestSystem	1.0.0.3813	N/A	N/A

* **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.

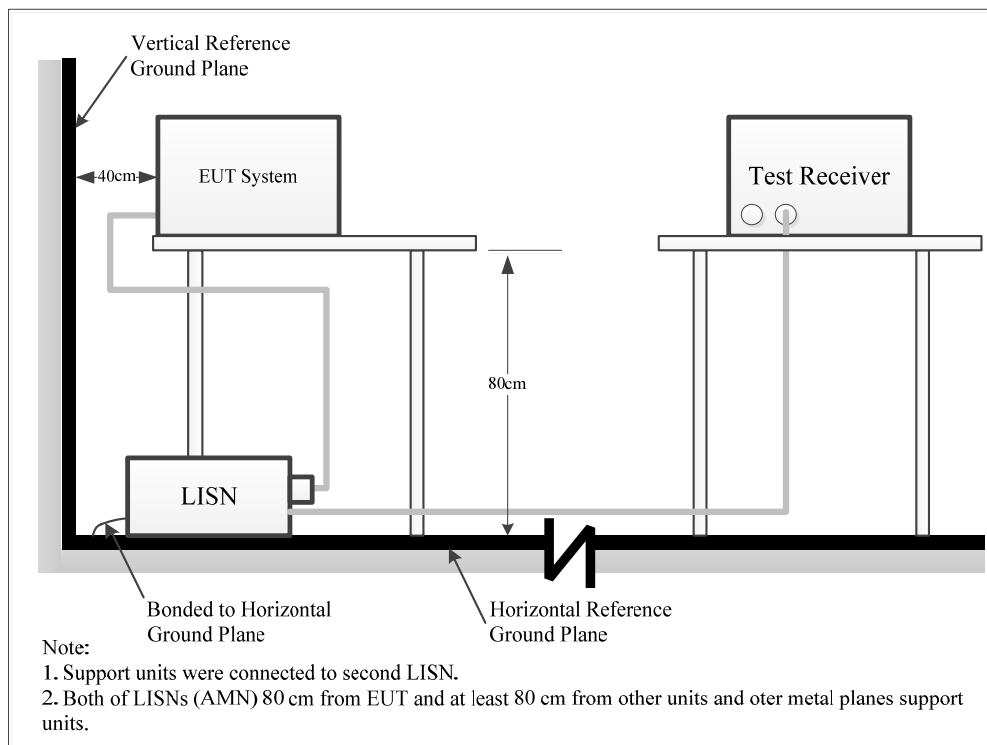
Antenna Connector Construction

The EUT has one ceramic antenna arrangement for WIFI, which was permanently attached and the antenna gain is 5.5dBi, fulfill the requirement of this section. Please refer to the EUT photos.

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 C63.10-2020 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.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

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:

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

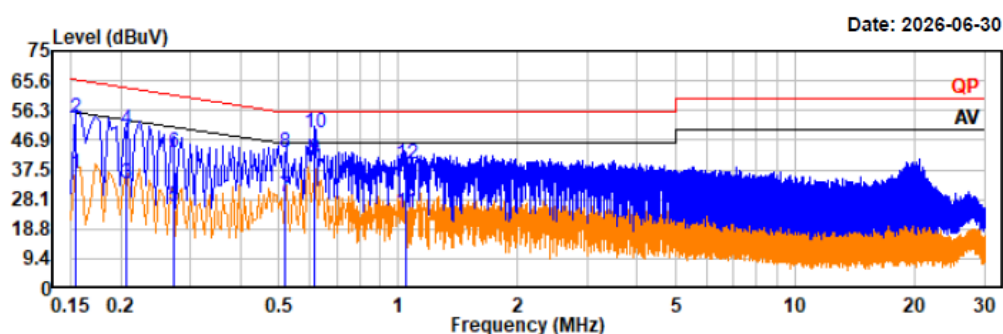
Test Data

Frequency Range:	150kHz~30MHz
Temperature:	24.1°C
Relative Humidity:	60%
ATM Pressure:	100.1kPa
Test Date:	2026-06-30
Test Engineer:	Luke Hong

Note: The maximum output power mode: 802.11b low channel was tested.

Project No.: 2607P07491E-RF
 Test Mode: 802.11b 2412MHz
 EUT Model: HP-N327W

Temp/Humi/ATM: 24.1°C/60%/100.1kPa
 Tested by: Luke Hong
 Power Source: AC 120V/60Hz



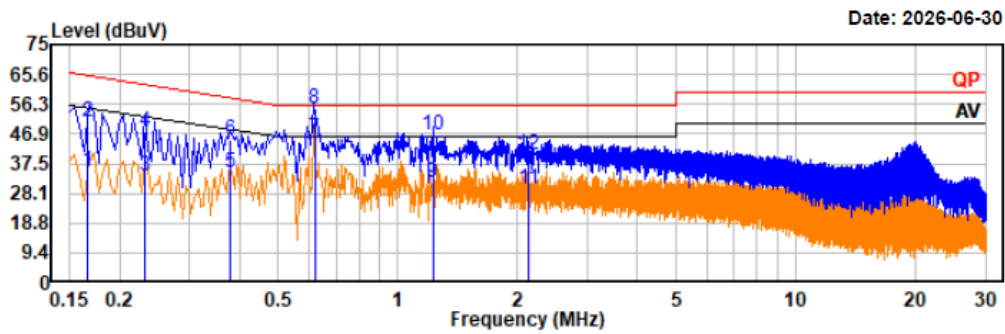
Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.154	15.50	20.59	36.09	55.77	19.68	Line	Average
0.154	33.24	20.59	53.83	65.77	11.94	Line	QP
0.207	12.54	20.67	33.21	53.33	20.12	Line	Average
0.207	29.69	20.67	50.36	63.33	12.97	Line	QP
0.271	5.37	20.61	25.98	51.09	25.11	Line	Average
0.271	22.22	20.61	42.83	61.09	18.26	Line	QP
0.520	8.61	20.47	29.08	46.00	16.92	Line	Average
0.520	22.40	20.47	42.87	56.00	13.13	Line	QP
0.617	20.35	20.45	40.80	46.00	5.20	Line	Average
0.617	28.65	20.45	49.10	56.00	6.90	Line	QP
1.046	3.60	20.44	24.04	46.00	21.96	Line	Average
1.046	18.69	20.44	39.13	56.00	16.87	Line	QP

Project No.: 2607P07491E-RF
 Test Mode: 802.11b 2412MHz
 EUT Model: HP-N327W

Temp/Humi/ATM: 24.1°C/60%/100.1kPa
 Tested by: Luke Hong
 Power Source: AC 120V/60Hz



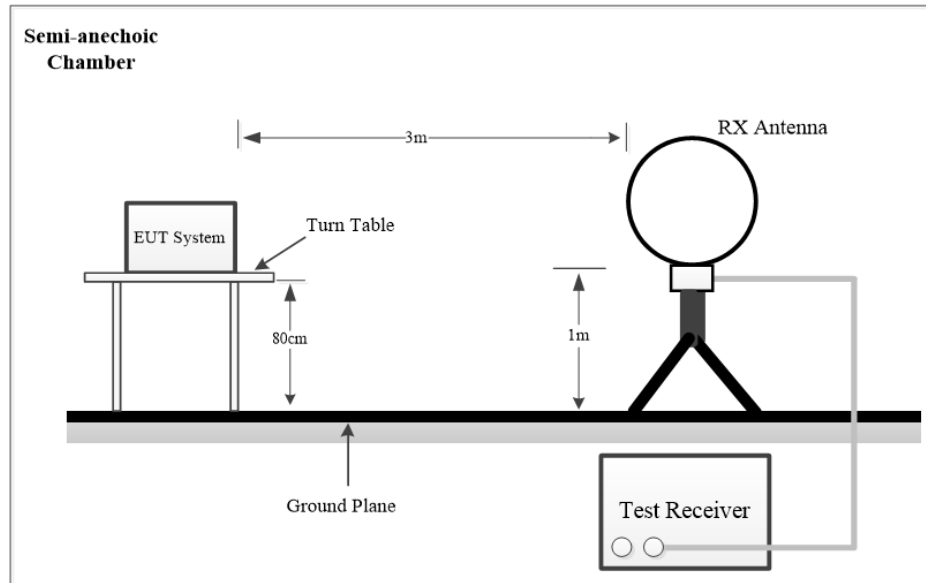
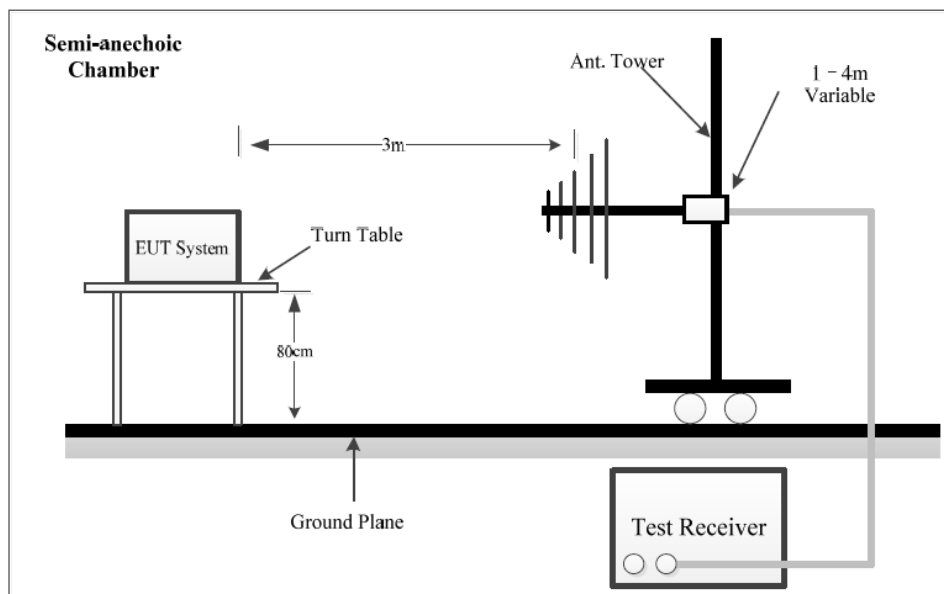
Trace: 1

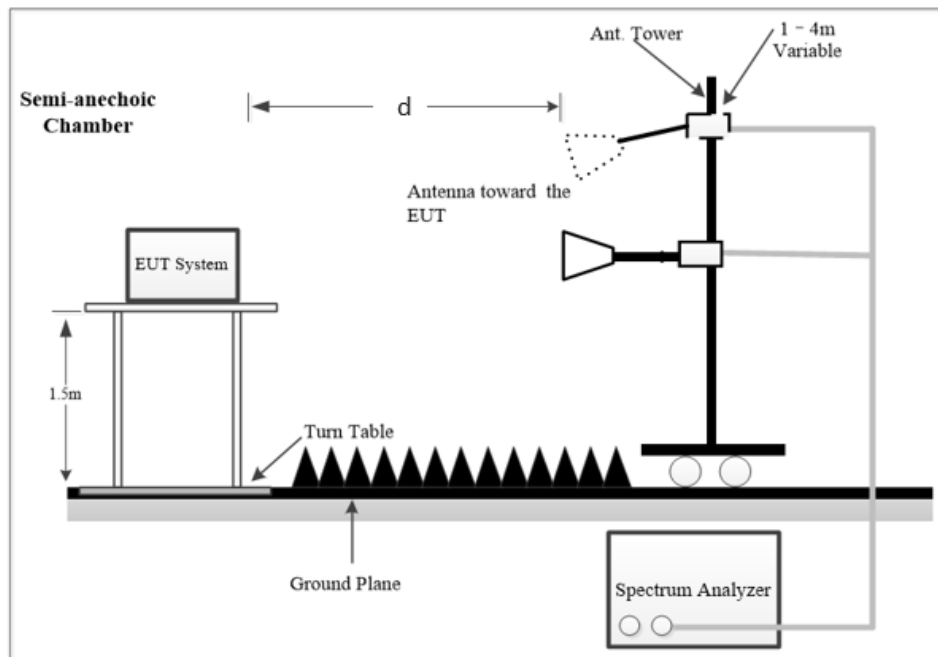
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.167	14.50	20.62	35.12	55.12	20.00	Neutral	Average
0.167	29.90	20.62	50.52	65.12	14.60	Neutral	QP
0.231	12.97	20.67	33.64	52.41	18.77	Neutral	Average
0.231	27.00	20.67	47.67	62.41	14.74	Neutral	QP
0.379	14.03	20.52	34.55	48.29	13.74	Neutral	Average
0.379	24.23	20.52	44.75	58.29	13.54	Neutral	QP
0.618	24.93	20.42	45.35	46.00	0.65	Neutral	Average
0.618	34.41	20.42	54.83	56.00	1.17	Neutral	QP
1.224	11.14	20.42	31.56	46.00	14.44	Neutral	Average
1.224	25.90	20.42	46.32	56.00	9.68	Neutral	QP
2.123	9.18	20.37	29.55	46.00	16.45	Neutral	Average
2.123	20.18	20.37	40.55	56.00	15.45	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 C63.10-2020. The specification used was the FCC 15.209, and FCC 15.247 limits.

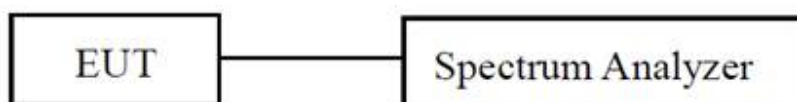
NOTE:

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 - 2020, 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

Antenna-port conducted emission:

Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was TDF into the setting of test equipment:

TDF = Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

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

Note: T is minimum transmission duration

Test Procedure

Radiated Emissions:

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.

Antenna-port conducted emission:

Typical regulatory requirements specify that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated by an amount specified by the regulator.

- a) Set the RBW = 100 kHz.
- b) Set the VBW $\geq [3 \times \text{RBW}]$.
- c) Detector = peak.
- d) Sweep time = No faster than coupled (auto) time.
- e) Trace mode = max-hold.
- f) Allow trace to fully stabilize.
- g) Use the peak marker function to determine the maximum amplitude level.

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 and Bandedge emissions 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 Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB) - 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.

Frequency Range:	Below 1 GHz	Above 1 GHz	Antenna-port emission	conducted
Temperature:	23.2°C	23.2°C	24.3°C	
Relative Humidity:	59 %	59 %	60%	
ATM Pressure:	100.1kPa	100.1kPa	100.1kPa	
Test Date:	2026-06-25	2026-06-25	2026-05-12	
Test Engineer:	Wlif Wu	Wlif Wu	Spike Gao	

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

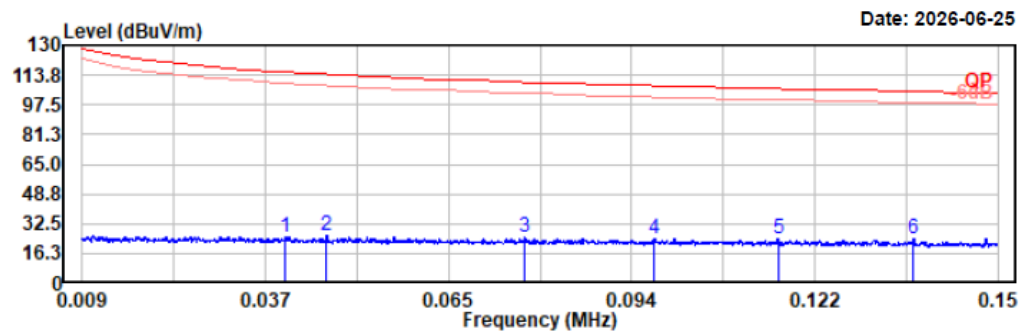
1) 9 kHz~30MHz

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

Note: The maximum output power mode: WiFi 802.11b low channel was tested.

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

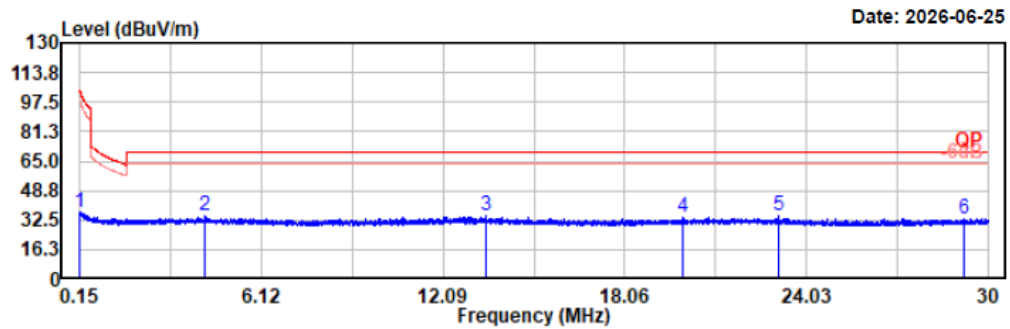


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.040	5.51	19.91	25.42	115.50	90.08	Peak
0.047	5.68	19.91	25.59	114.23	88.64	Peak
0.077	4.99	19.74	24.73	109.86	85.13	Peak
0.097	4.45	19.75	24.20	107.86	83.66	Peak
0.116	4.27	19.73	24.00	106.31	82.31	Peak
0.137	4.13	19.73	23.86	104.87	81.01	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:10kHz VBW:30kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.150	17.22	19.72	36.94	104.08	67.14	Peak
4.239	14.86	19.74	34.60	69.54	34.94	Peak
13.478	14.84	19.74	34.58	69.54	34.96	Peak
19.973	14.12	20.09	34.21	69.54	35.33	Peak
23.129	14.67	20.17	34.84	69.54	34.70	Peak
29.191	13.53	20.00	33.53	69.54	36.01	Peak

2) 30MHz -1GHz

Note: The maximum output power mode: WiFi 802.11b low channel was tested.

Project No.: 2607P07491E-RF

Test Mode: 802.11b 2412MHz

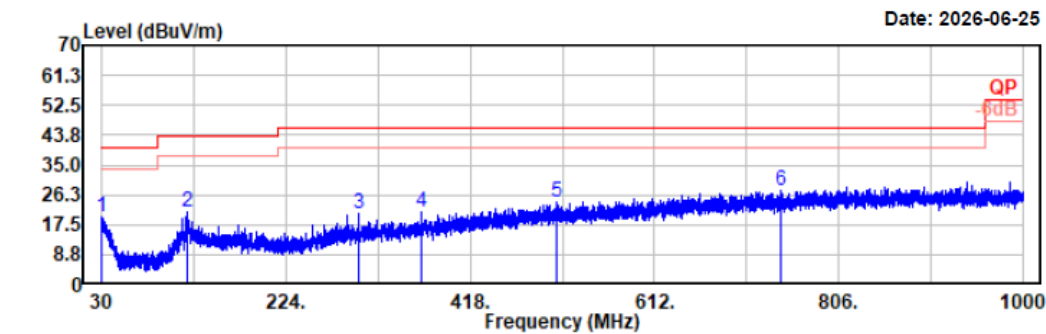
EUT Model: HP-N327W

Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz

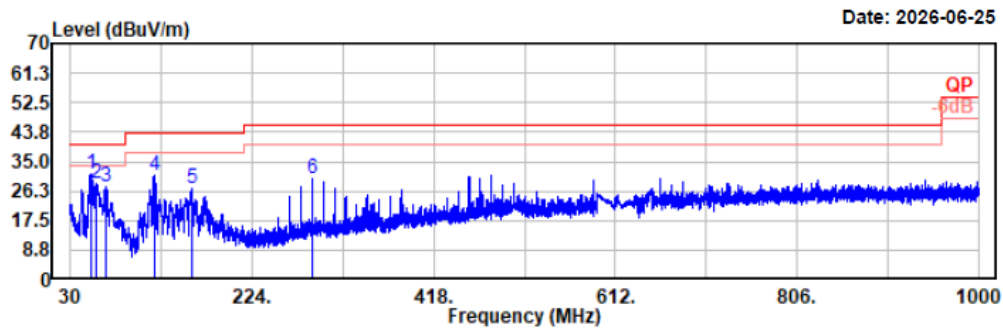


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.10	25.47	-5.61	19.86	40.00	20.14	Horizontal	Peak
120.31	31.47	-10.33	21.14	43.50	22.36	Horizontal	Peak
299.95	29.87	-9.18	20.69	46.00	25.31	Horizontal	Peak
366.69	28.69	-7.45	21.24	46.00	24.76	Horizontal	Peak
509.67	27.58	-3.33	24.25	46.00	21.75	Horizontal	Peak
744.60	27.18	0.46	27.64	46.00	18.36	Horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



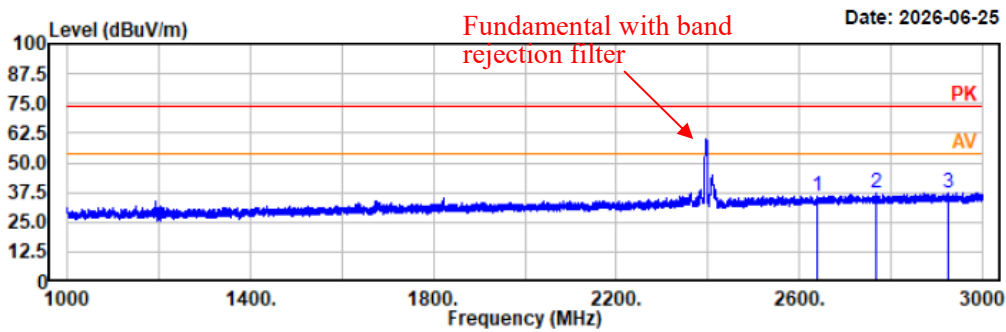
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
51.92	48.92	-17.69	31.23	40.00	8.77	Vertical	Peak
57.35	46.15	-17.62	28.53	40.00	11.47	Vertical	Peak
67.64	44.71	-17.09	27.62	40.00	12.38	Vertical	Peak
120.11	41.37	-10.35	31.02	43.50	12.48	Vertical	Peak
159.40	38.70	-11.43	27.27	43.50	16.23	Vertical	Peak
288.02	39.43	-9.27	30.16	46.00	15.84	Vertical	Peak

3) 1GHz~3GHz

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2℃/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

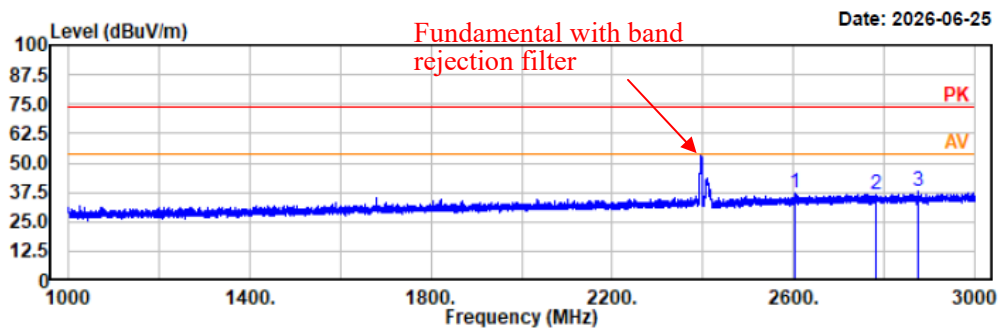


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2640.40	46.43	-10.26	36.17	74.00	37.83	horizontal	Peak
2768.20	47.02	-9.88	37.14	74.00	36.86	horizontal	Peak
2924.40	46.84	-9.45	37.39	74.00	36.61	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

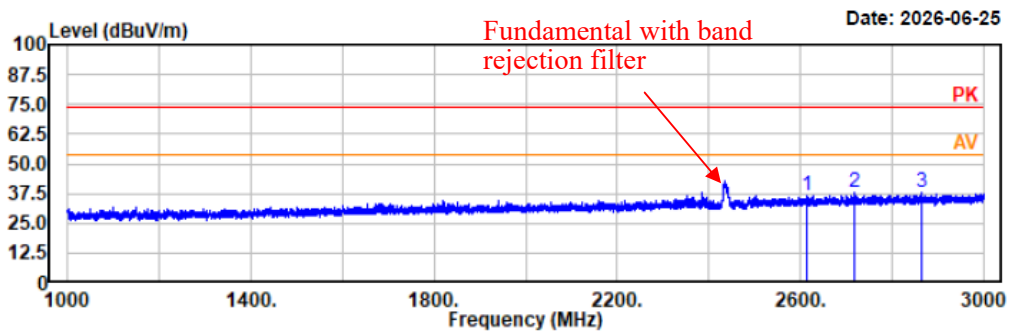


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2603.80	47.63	-10.40	37.23	74.00	36.77	vertical	Peak
2783.20	46.34	-9.83	36.51	74.00	37.49	vertical	Peak
2874.60	47.33	-9.64	37.69	74.00	36.31	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

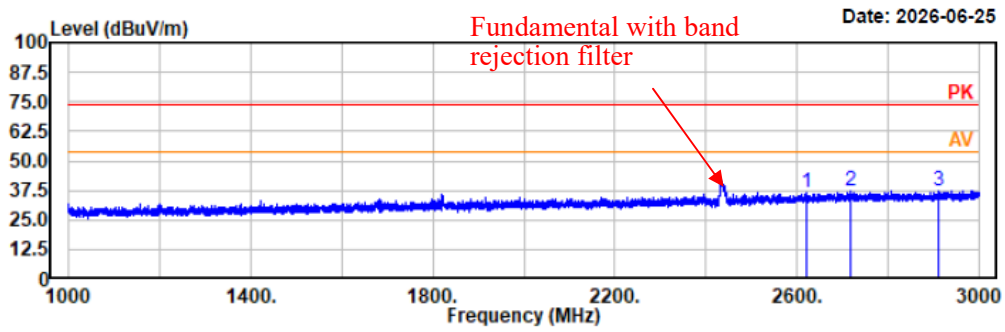


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2614.40	47.01	-10.35	36.66	74.00	37.34	horizontal	Peak
2718.20	47.77	-10.00	37.77	74.00	36.23	horizontal	Peak
2863.60	47.55	-9.64	37.91	74.00	36.09	horizontal	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11b 2437MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz

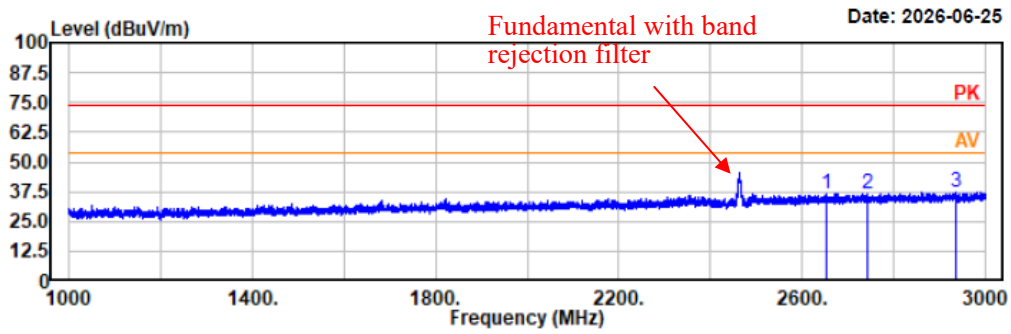


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2619.80	47.06	-10.34	36.72	74.00	37.28	vertical	Peak
2717.20	47.13	-10.01	37.12	74.00	36.88	vertical	Peak
2909.60	46.46	-9.56	36.90	74.00	37.10	vertical	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11b 2462MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz

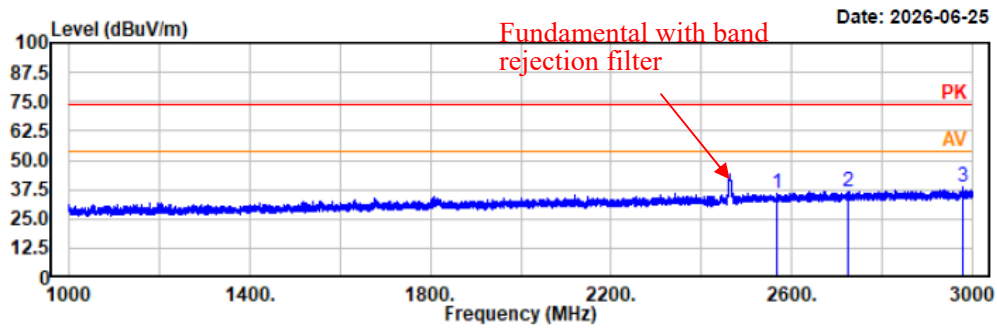


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2653.60	46.83	-10.22	36.61	74.00	37.39	horizontal	Peak
2743.00	46.45	-9.96	36.49	74.00	37.51	horizontal	Peak
2934.80	46.78	-9.38	37.40	74.00	36.60	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

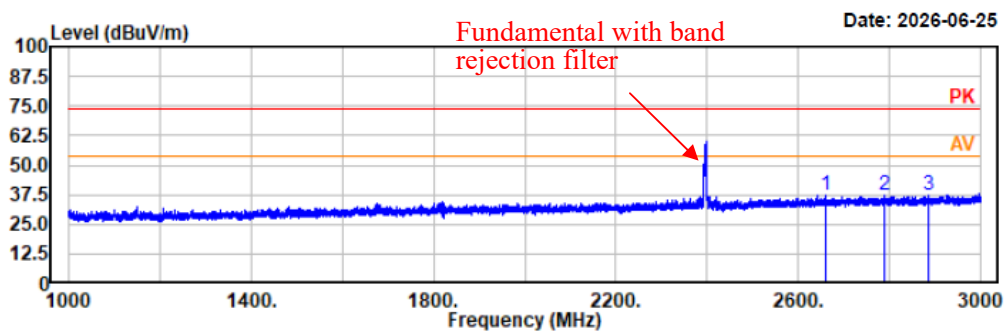


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2566.80	46.45	-10.55	35.90	74.00	38.10	vertical	Peak
2723.80	46.64	-9.99	36.65	74.00	37.35	vertical	Peak
2980.20	47.57	-9.10	38.47	74.00	35.53	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

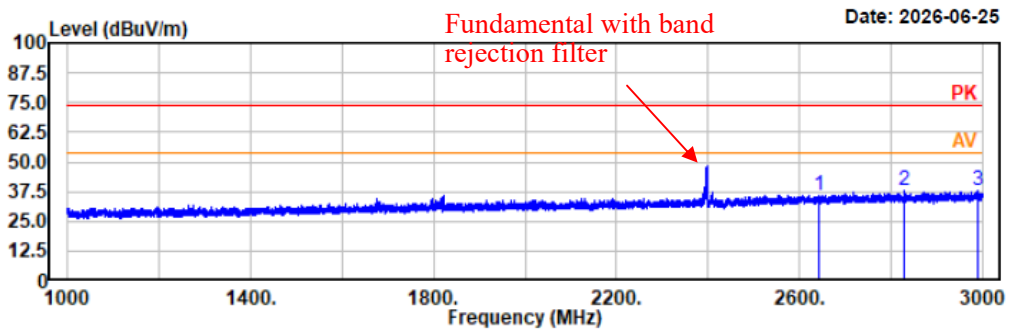


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2660.00	47.15	-10.19	36.96	74.00	37.04	horizontal	Peak
2791.00	47.16	-9.81	37.35	74.00	36.65	horizontal	Peak
2887.00	47.03	-9.65	37.38	74.00	36.62	horizontal	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11g 2412MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz

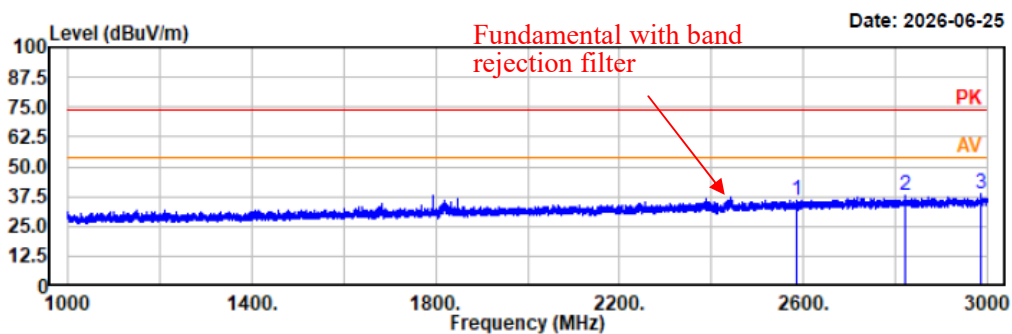


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2642.60	46.43	-10.25	36.18	74.00	37.82	vertical	Peak
2830.40	47.87	-9.69	38.18	74.00	35.82	vertical	Peak
2991.60	47.30	-9.04	38.26	74.00	35.74	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

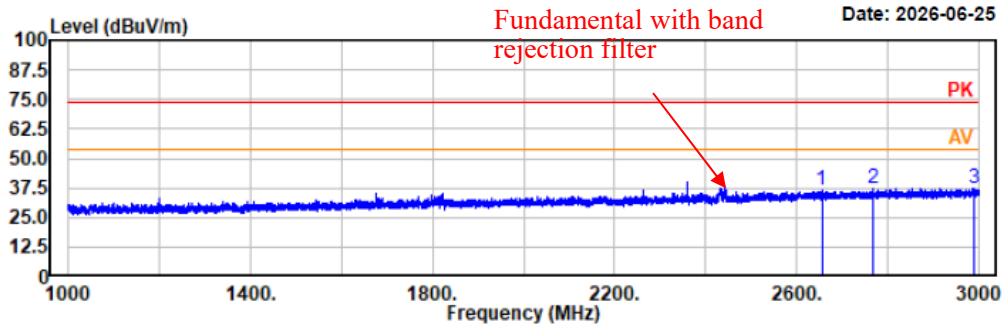


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2585.40	46.54	-10.48	36.06	74.00	37.94	horizontal	Peak
2820.60	47.62	-9.73	37.89	74.00	36.11	horizontal	Peak
2986.00	47.45	-9.08	38.37	74.00	35.63	horizontal	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11g 2437MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz

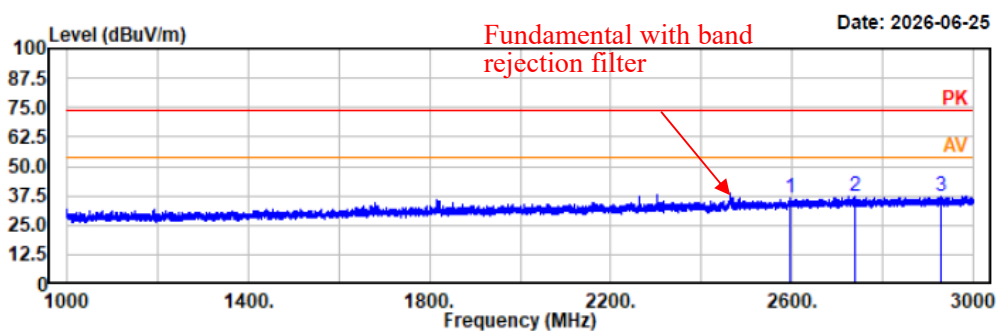


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2655.20	46.66	-10.21	36.45	74.00	37.55	vertical	Peak
2767.80	47.42	-9.88	37.54	74.00	36.46	vertical	Peak
2989.80	46.59	-9.05	37.54	74.00	36.46	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2597.40	46.78	-10.43	36.35	74.00	37.65	horizontal	Peak
2740.20	47.48	-9.97	37.51	74.00	36.49	horizontal	Peak
2930.40	46.51	-9.41	37.10	74.00	36.90	horizontal	Peak

Project No.: 2607P07491E-RF

Test Mode: 802.11g 2462MHz

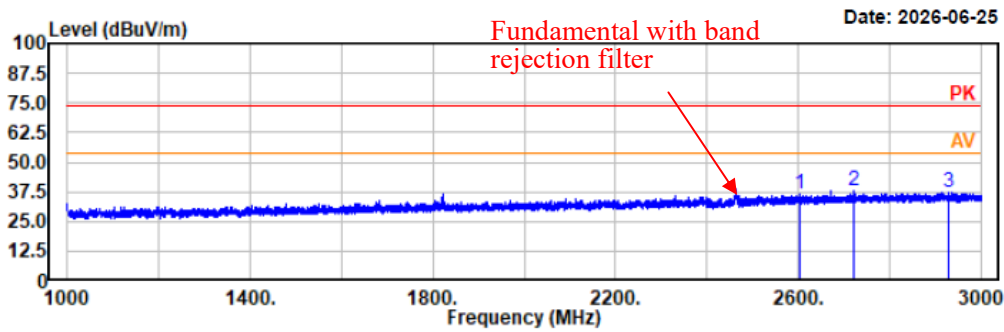
EUT Model: HP-N327W

Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz

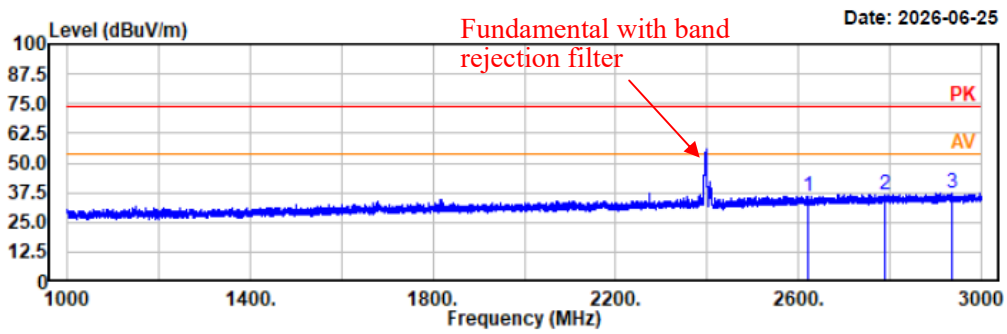


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2604.40	46.72	-10.40	36.32	74.00	37.68	vertical	Peak
2719.80	47.77	-10.00	37.77	74.00	36.23	vertical	Peak
2928.60	46.99	-9.43	37.56	74.00	36.44	vertical	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11n20 2412MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz

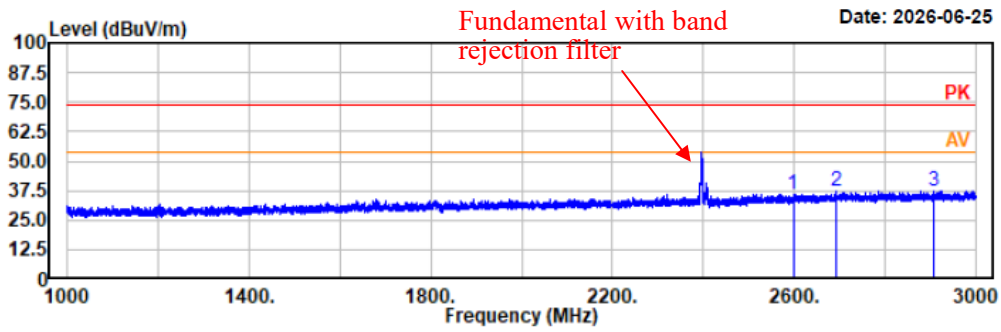


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2621.00	46.46	-10.34	36.12	74.00	37.88	horizontal	Peak
2790.60	46.55	-9.81	36.74	74.00	37.26	horizontal	Peak
2934.60	46.58	-9.38	37.20	74.00	36.80	horizontal	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11n20 2412MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz

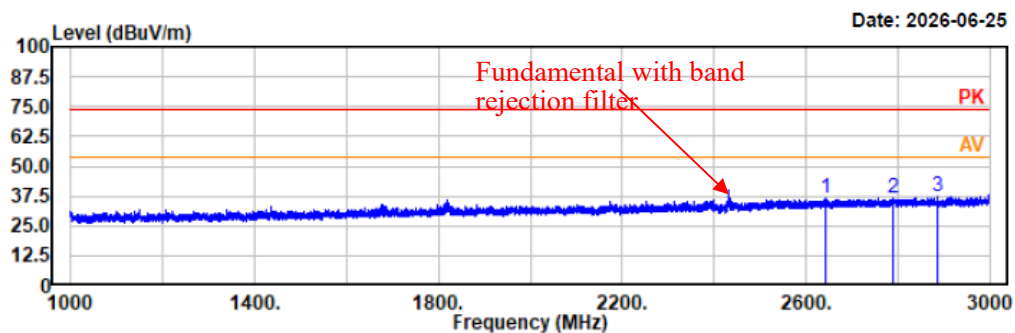


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2598.00	46.33	-10.43	35.90	74.00	38.10	vertical	Peak
2693.80	47.42	-10.05	37.37	74.00	36.63	vertical	Peak
2908.40	46.89	-9.57	37.32	74.00	36.68	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

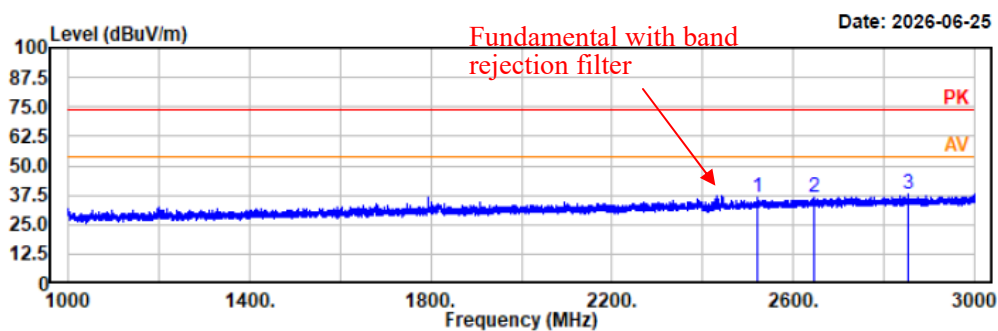


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2641.40	46.56	-10.25	36.31	74.00	37.69	horizontal	Peak
2790.60	46.58	-9.81	36.77	74.00	37.23	horizontal	Peak
2886.00	46.86	-9.64	37.22	74.00	36.78	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

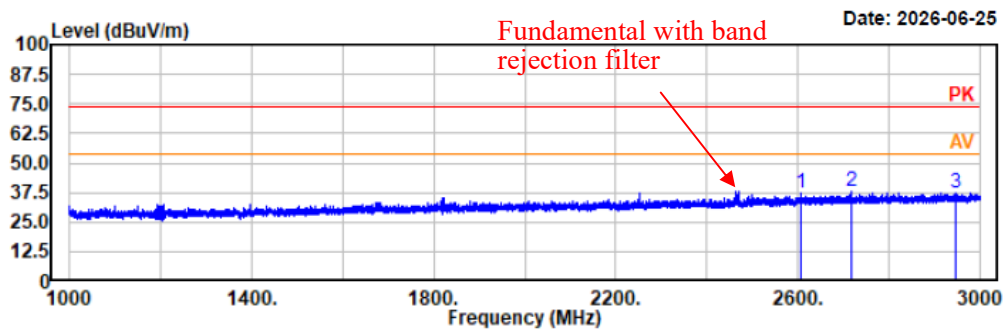


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2521.60	46.98	-10.70	36.28	74.00	37.72	vertical	Peak
2645.80	46.81	-10.24	36.57	74.00	37.43	vertical	Peak
2852.60	47.39	-9.64	37.75	74.00	36.25	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

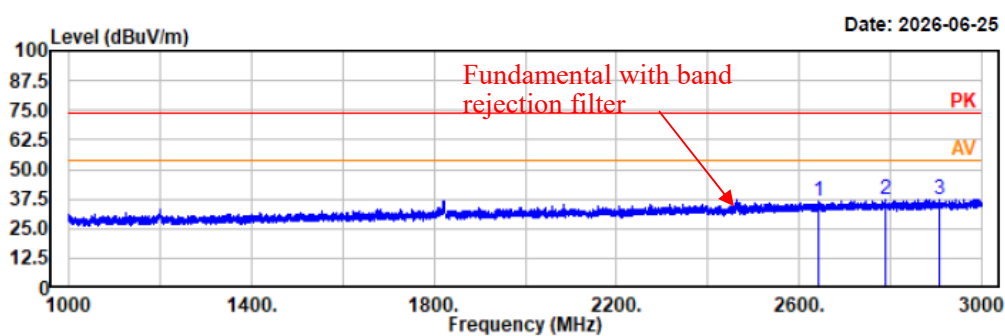


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2607.00	47.85	-10.39	37.46	74.00	36.54	horizontal	Peak
2718.60	47.92	-10.00	37.92	74.00	36.08	horizontal	Peak
2947.00	46.69	-9.29	37.40	74.00	36.60	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



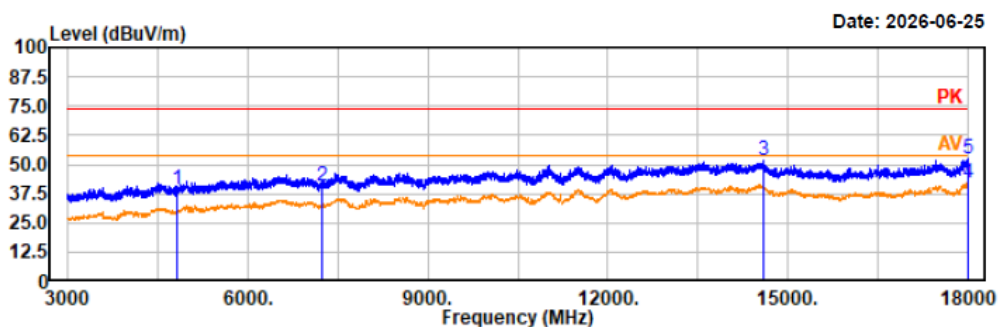
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2643.80	46.48	-10.24	36.24	74.00	37.76	vertical	Peak
2790.40	47.33	-9.81	37.52	74.00	36.48	vertical	Peak
2908.60	47.04	-9.57	37.47	74.00	36.53	vertical	Peak

4) 3GHz~18GHz

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

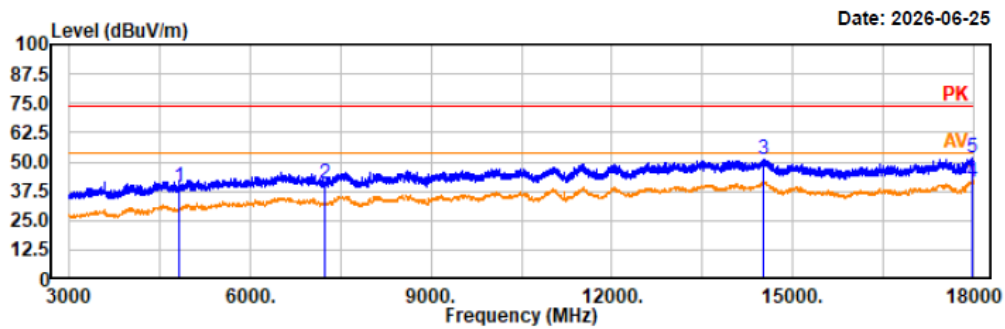
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	44.70	-5.26	39.44	74.00	34.56	horizontal	Peak
7236.00	43.37	-2.47	40.90	74.00	33.10	horizontal	Peak
14593.50	46.70	5.04	51.74	74.00	22.26	horizontal	Peak
17992.50	35.33	6.83	42.16	54.00	11.84	horizontal	Average
17992.50	45.33	6.83	52.16	74.00	21.84	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



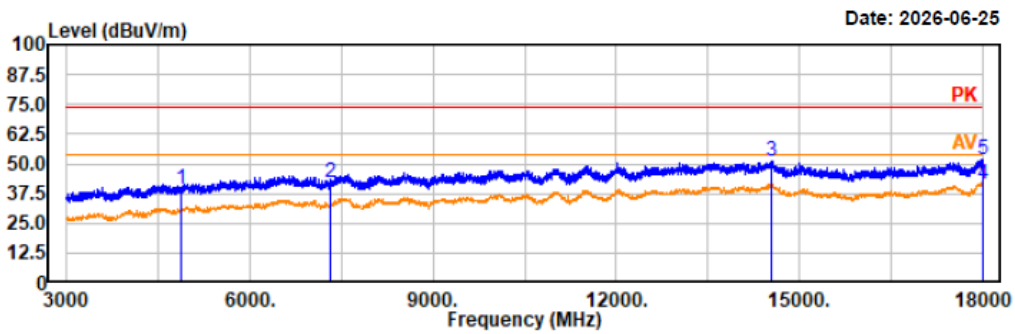
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	44.39	-5.26	39.13	74.00	34.87	vertical	Peak
7236.00	42.97	-2.47	40.50	74.00	33.50	vertical	Peak
14502.00	46.19	5.16	51.35	74.00	22.65	vertical	Peak
17986.50	34.43	6.83	41.26	54.00	12.74	vertical	Average
17986.50	45.17	6.83	52.00	74.00	22.00	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



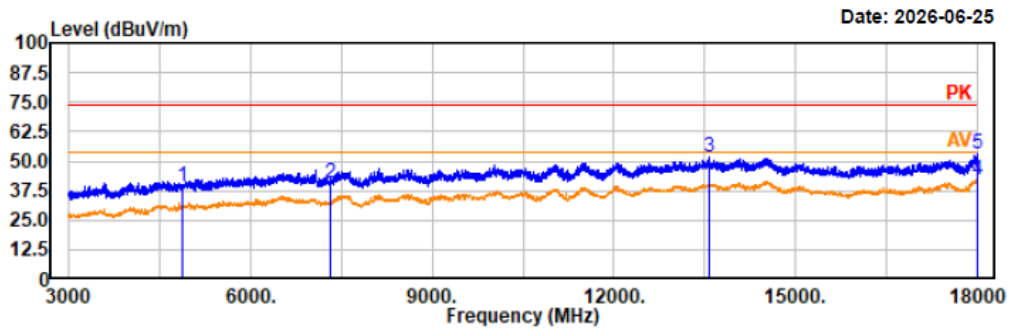
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.88	-5.24	39.64	74.00	34.36	horizontal	Peak
7311.00	44.22	-2.30	41.92	74.00	32.08	horizontal	Peak
14532.00	46.20	5.12	51.32	74.00	22.68	horizontal	Peak
17994.00	34.66	6.83	41.49	54.00	12.51	horizontal	Average
17994.00	44.86	6.83	51.69	74.00	22.31	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



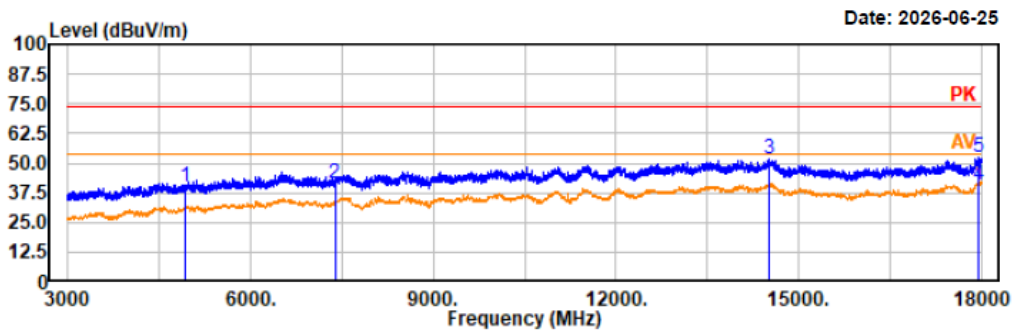
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.34	-5.24	39.10	74.00	34.90	vertical	Peak
7311.00	43.04	-2.30	40.74	74.00	33.26	vertical	Peak
13584.00	46.90	4.67	51.57	74.00	22.43	vertical	Peak
17994.00	34.94	6.83	41.77	54.00	12.23	vertical	Average
17994.00	46.06	6.83	52.89	74.00	21.11	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

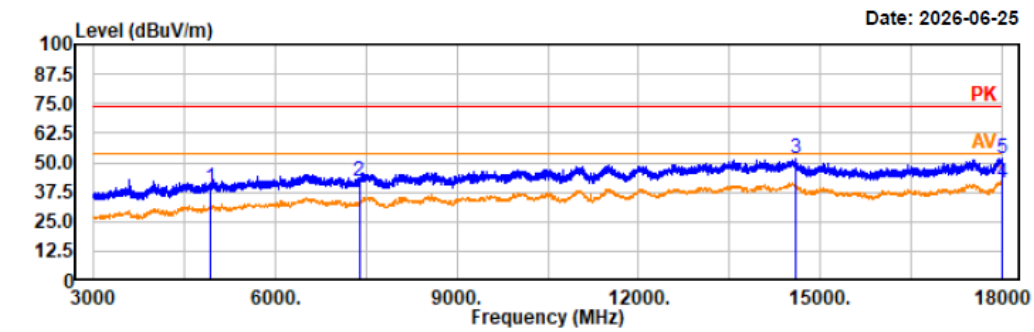
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	45.30	-5.18	40.12	74.00	33.88	horizontal	Peak
7386.00	43.35	-2.21	41.14	74.00	32.86	horizontal	Peak
14503.50	46.33	5.16	51.49	74.00	22.51	horizontal	Peak
17964.00	33.96	6.81	40.77	54.00	13.23	horizontal	Average
17964.00	45.50	6.81	52.31	74.00	21.69	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2462MHz
EUT Model: HP-N327W
Test distance: 3m

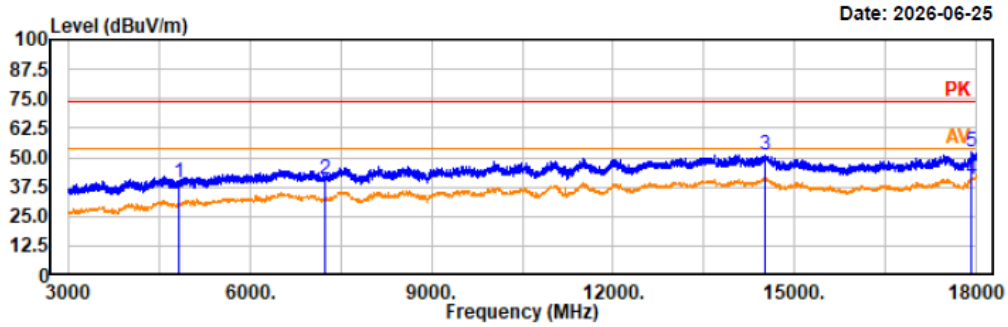
Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	44.31	-5.18	39.13	74.00	34.87	vertical	Peak
7386.00	44.41	-2.21	42.20	74.00	31.80	vertical	Peak
14586.00	46.58	5.05	51.63	74.00	22.37	vertical	Peak
17992.50	34.76	6.83	41.59	54.00	12.41	vertical	Average
17992.50	45.10	6.83	51.93	74.00	22.07	vertical	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11g 2412MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



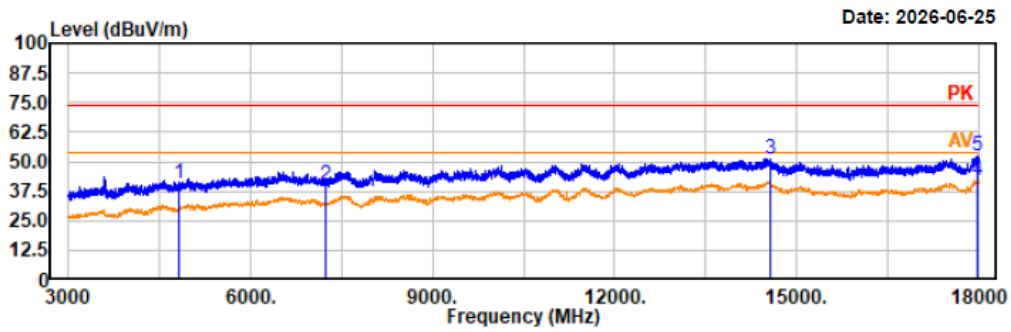
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
 AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	44.71	-5.26	39.45	74.00	34.55	horizontal	Peak
7236.00	43.26	-2.47	40.79	74.00	33.21	horizontal	Peak
14502.00	46.22	5.16	51.38	74.00	22.62	horizontal	Peak
17925.00	33.97	6.80	40.77	54.00	13.23	horizontal	Average
17925.00	45.29	6.80	52.09	74.00	21.91	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



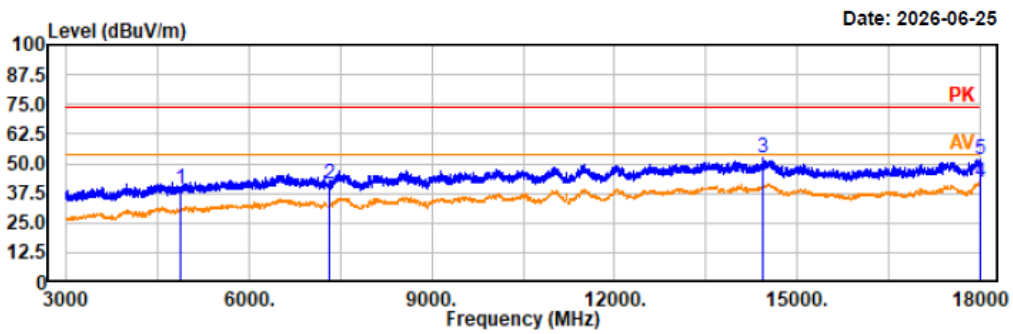
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	45.96	-5.26	40.70	74.00	33.30	vertical	Peak
7236.00	42.50	-2.47	40.03	74.00	33.97	vertical	Peak
14559.00	46.27	5.09	51.36	74.00	22.64	vertical	Peak
17989.50	35.13	6.83	41.96	54.00	12.04	vertical	Average
17989.50	45.47	6.83	52.30	74.00	21.70	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



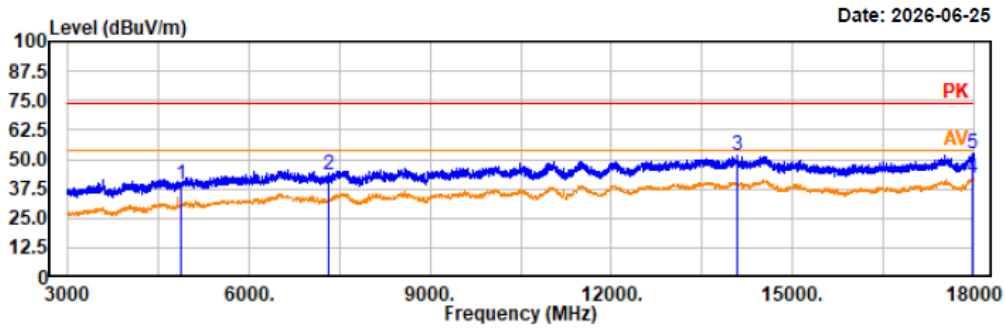
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.24	-5.24	39.00	74.00	35.00	horizontal	Peak
7311.00	43.43	-2.30	41.13	74.00	32.87	horizontal	Peak
14436.00	46.85	5.25	52.10	74.00	21.90	horizontal	Peak
17994.00	35.53	6.83	42.36	54.00	11.64	horizontal	Average
17994.00	45.14	6.83	51.97	74.00	22.03	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



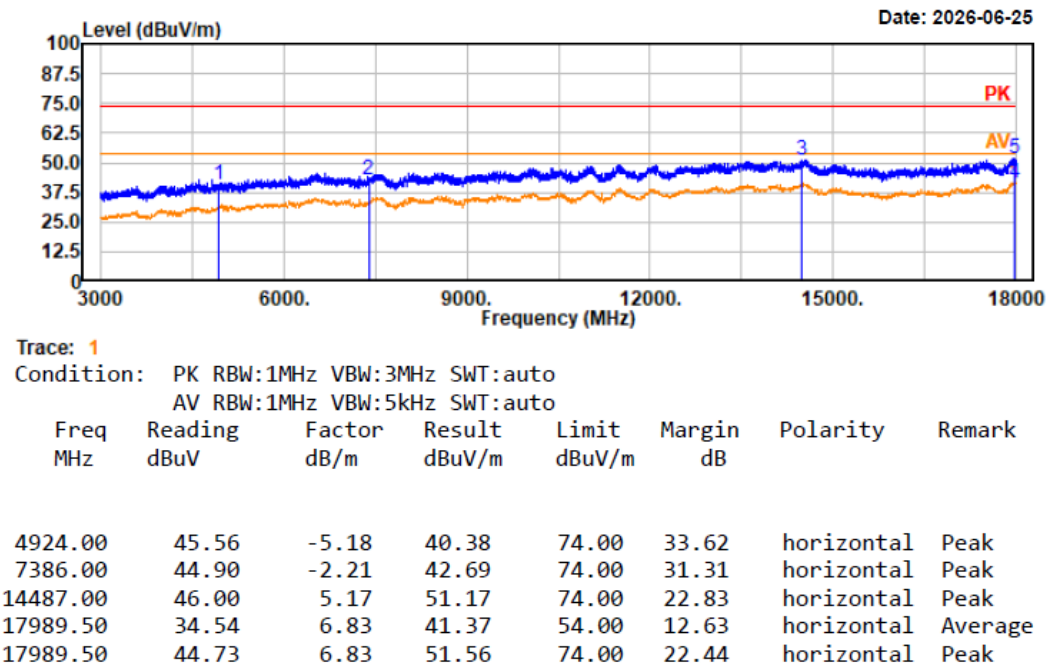
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.75	-5.24	39.51	74.00	34.49	vertical	Peak
7311.00	45.41	-2.30	43.11	74.00	30.89	vertical	Peak
14080.50	46.29	5.26	51.55	74.00	22.45	vertical	Peak
17991.00	35.16	6.83	41.99	54.00	12.01	vertical	Average
17991.00	45.51	6.83	52.34	74.00	21.66	vertical	Peak

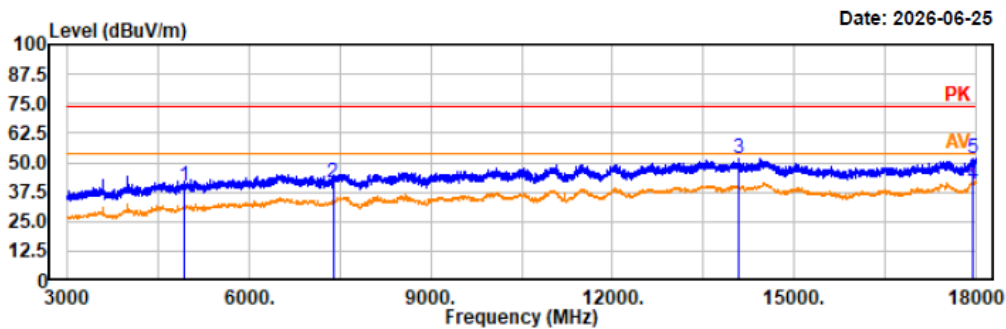
Project No.: 2607P07491E-RF
Test Mode: 802.11g 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Project No.: 2607P07491E-RF
Test Mode: 802.11g 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

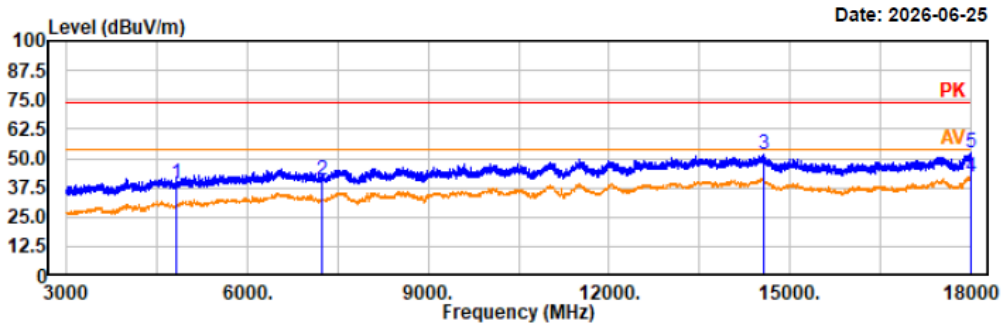
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	45.06	-5.18	39.88	74.00	34.12	vertical	Peak
7386.00	43.44	-2.21	41.23	74.00	32.77	vertical	Peak
14074.50	46.26	5.25	51.51	74.00	22.49	vertical	Peak
17953.50	34.13	6.81	40.94	54.00	13.06	vertical	Average
17953.50	44.74	6.81	51.55	74.00	22.45	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

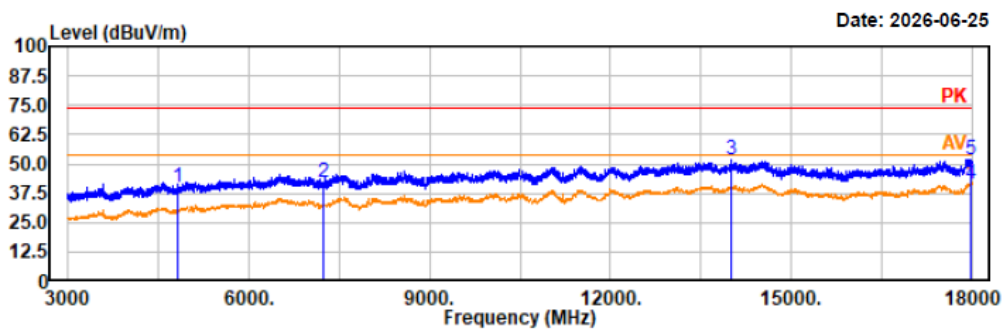
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	44.83	-5.26	39.57	74.00	34.43	horizontal	Peak
7236.00	43.31	-2.47	40.84	74.00	33.16	horizontal	Peak
14557.50	46.72	5.09	51.81	74.00	22.19	horizontal	Peak
17995.50	35.57	6.84	42.41	54.00	11.59	horizontal	Average
17995.50	45.36	6.84	52.20	74.00	21.80	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

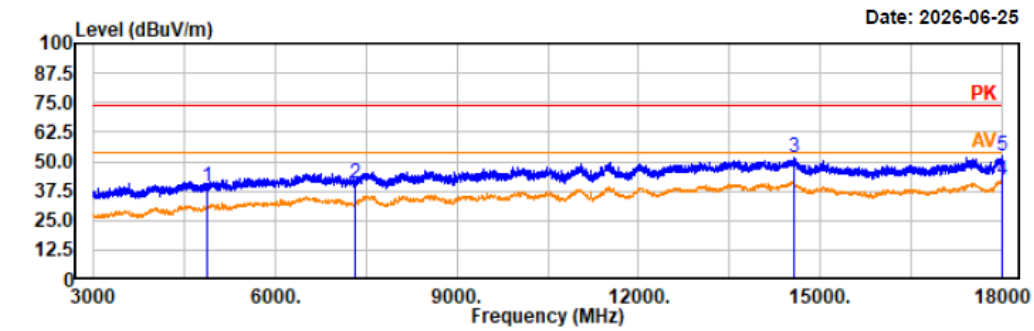
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	45.20	-5.26	39.94	74.00	34.06	vertical	Peak
7236.00	44.23	-2.47	41.76	74.00	32.24	vertical	Peak
14014.50	46.24	5.16	51.40	74.00	22.60	vertical	Peak
17982.00	34.45	6.83	41.28	54.00	12.72	vertical	Average
17982.00	45.20	6.83	52.03	74.00	21.97	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



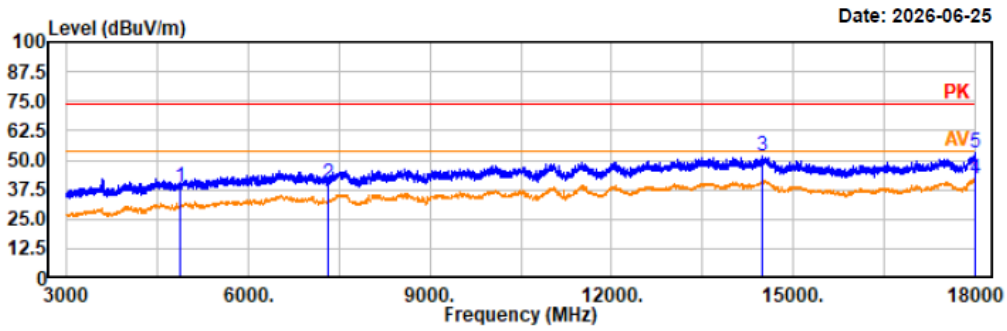
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.26	-5.24	39.02	74.00	34.98	horizontal	Peak
7311.00	43.30	-2.30	41.00	74.00	33.00	horizontal	Peak
14556.00	46.45	5.08	51.53	74.00	22.47	horizontal	Peak
17994.00	35.02	6.83	41.85	54.00	12.15	horizontal	Average
17994.00	45.38	6.83	52.21	74.00	21.79	horizontal	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11n20 2437MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



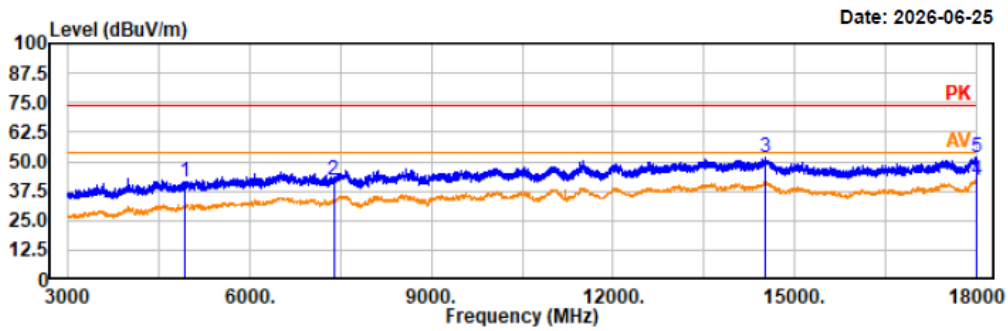
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
 AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	43.57	-5.24	38.33	74.00	35.67	vertical	Peak
7311.00	42.42	-2.30	40.12	74.00	33.88	vertical	Peak
14485.50	46.24	5.17	51.41	74.00	22.59	vertical	Peak
17992.50	35.03	6.83	41.86	54.00	12.14	vertical	Average
17992.50	46.21	6.83	53.04	74.00	20.96	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

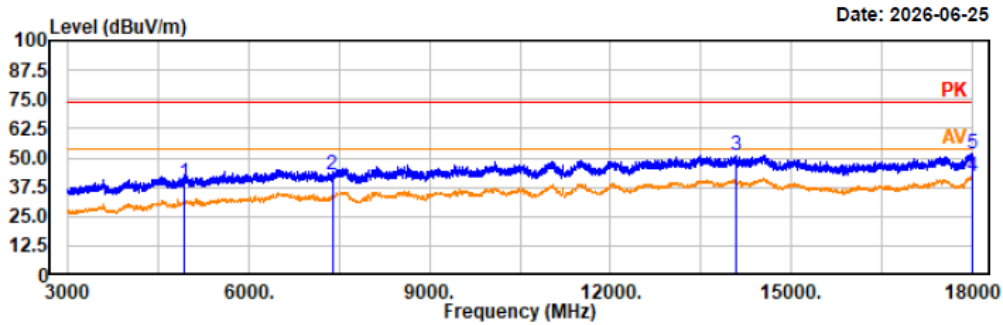
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	46.59	-5.18	41.41	74.00	32.59	horizontal	Peak
7386.00	44.43	-2.21	42.22	74.00	31.78	horizontal	Peak
14517.00	46.65	5.14	51.79	74.00	22.21	horizontal	Peak
17995.50	35.24	6.84	42.08	54.00	11.92	horizontal	Average
17995.50	45.19	6.84	52.03	74.00	21.97	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	44.38	-5.18	39.20	74.00	34.80	vertical	Peak
7386.00	44.66	-2.21	42.45	74.00	31.55	vertical	Peak
14076.00	45.88	5.25	51.13	74.00	22.87	vertical	Peak
17995.50	35.32	6.84	42.16	54.00	11.84	vertical	Average
17995.50	44.92	6.84	51.76	74.00	22.24	vertical	Peak

Project No.: 2607P07491E-RF

Test Mode: 802.11b 2412MHz

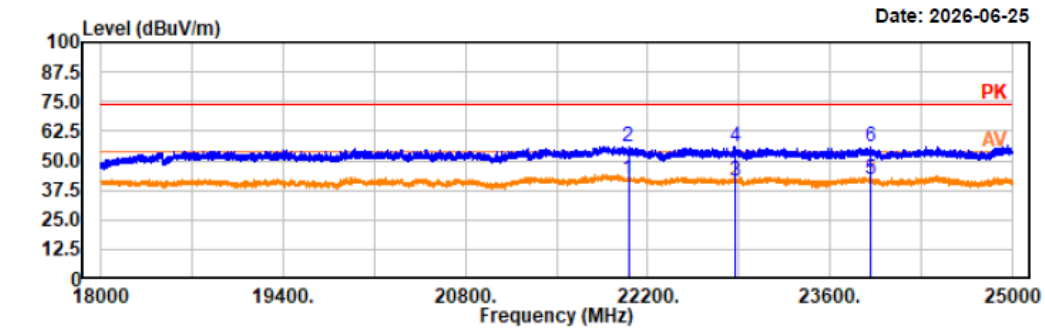
EUT Model: HP-N327W

Test distance: 1.5m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Trace: 1

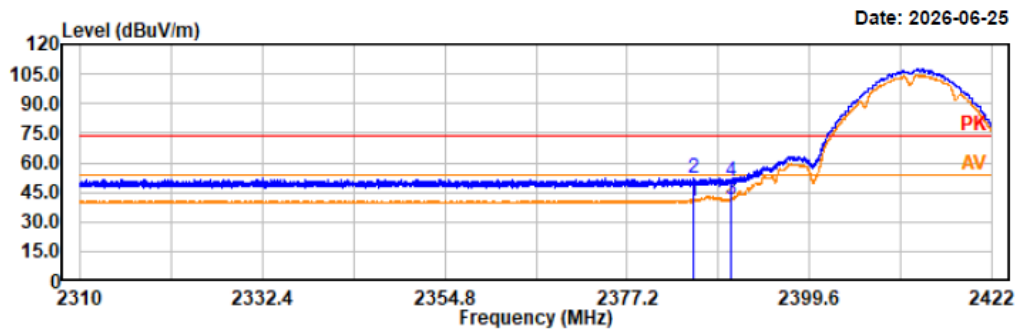
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
22051.60	37.15	5.13	42.28	54.00	11.72	vertical	Average
22051.60	51.00	5.13	56.13	74.00	17.87	vertical	Peak
22868.50	36.17	5.00	41.17	54.00	12.83	vertical	Average
22868.50	51.06	5.00	56.06	74.00	17.94	vertical	Peak
23914.30	36.62	5.37	41.99	54.00	12.01	vertical	Average
23914.30	50.80	5.37	56.17	74.00	17.83	vertical	Peak

Restricted Bands Emissions:

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



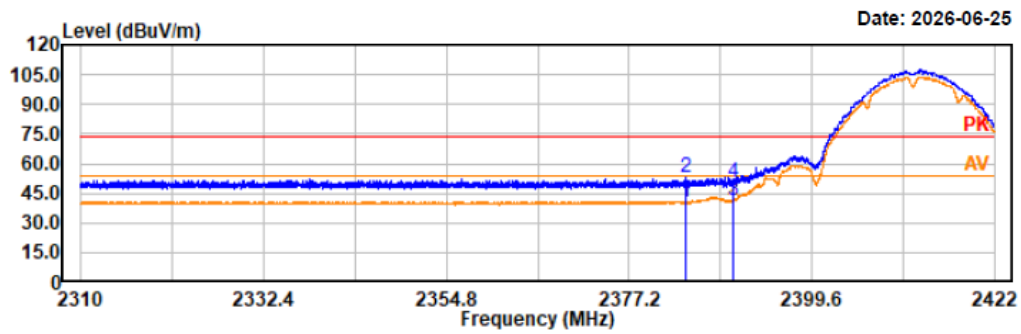
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2385.29	35.45	4.72	40.17	54.00	13.83	horizontal	Average
2385.29	47.52	4.72	52.24	74.00	21.76	horizontal	Peak
2390.00	36.56	4.74	41.30	54.00	12.70	horizontal	Average
2390.00	45.95	4.74	50.69	74.00	23.31	horizontal	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11b 2412MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



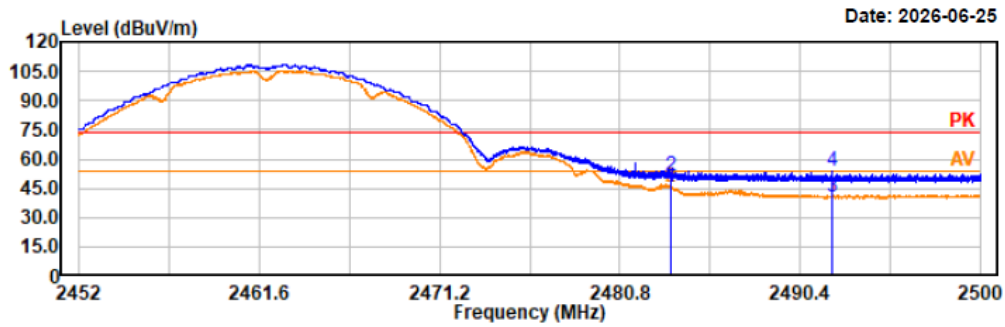
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
 AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2384.20	35.45	4.72	40.17	54.00	13.83	vertical	Average
2384.20	48.27	4.72	52.99	74.00	21.01	vertical	Peak
2390.00	37.03	4.74	41.77	54.00	12.23	vertical	Average
2390.00	45.43	4.74	50.17	74.00	23.83	vertical	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11b 2462MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



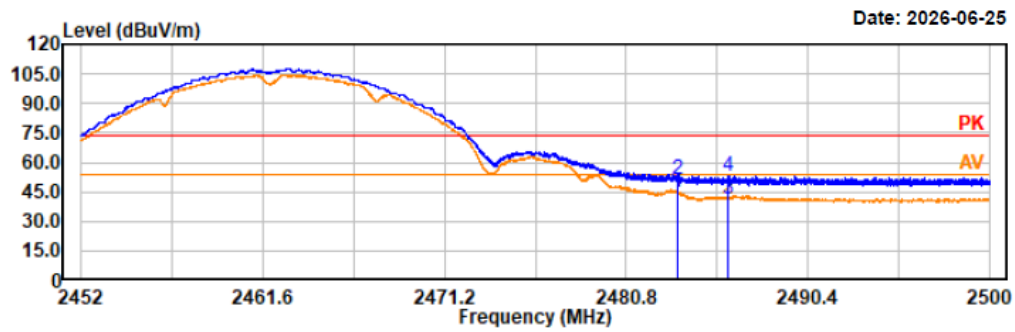
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
 AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	40.02	5.18	45.20	54.00	8.80	horizontal	Average
2483.50	46.53	5.18	51.71	74.00	22.29	horizontal	Peak
2492.13	35.10	5.23	40.33	54.00	13.67	horizontal	Average
2492.13	48.38	5.23	53.61	74.00	20.39	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11b 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



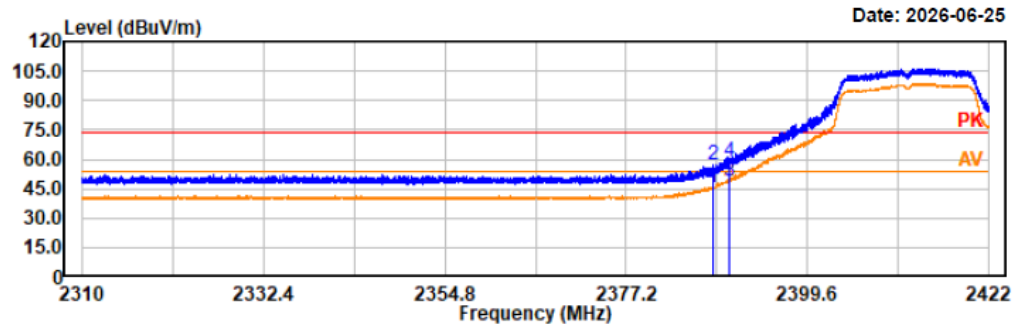
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	39.84	5.18	45.02	54.00	8.98	vertical	Average
2483.50	46.48	5.18	51.66	74.00	22.34	vertical	Peak
2486.20	36.59	5.19	41.78	54.00	12.22	vertical	Average
2486.20	47.77	5.19	52.96	74.00	21.04	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



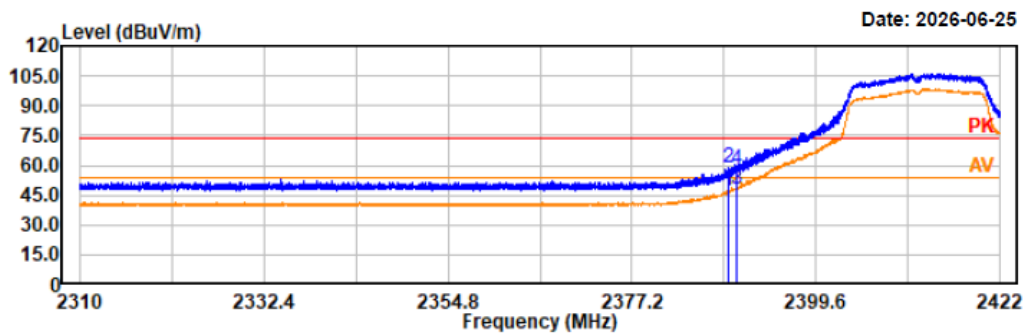
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2387.93	40.59	4.73	45.32	54.00	8.68	horizontal	Average
2387.93	52.04	4.73	56.77	74.00	17.23	horizontal	Peak
2390.00	44.37	4.74	49.11	54.00	4.89	horizontal	Average
2390.00	53.93	4.74	58.67	74.00	15.33	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



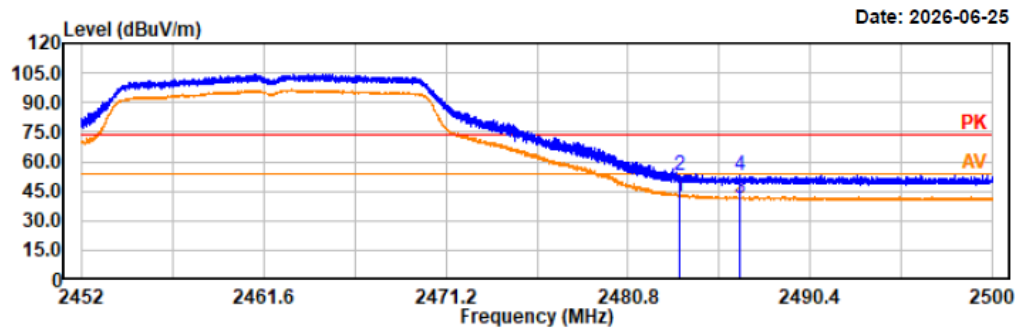
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2388.96	42.05	4.74	46.79	54.00	7.21	vertical	Average
2388.96	54.16	4.74	58.90	74.00	15.10	vertical	Peak
2390.00	43.66	4.74	48.40	54.00	5.60	vertical	Average
2390.00	53.45	4.74	58.19	74.00	15.81	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11g 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



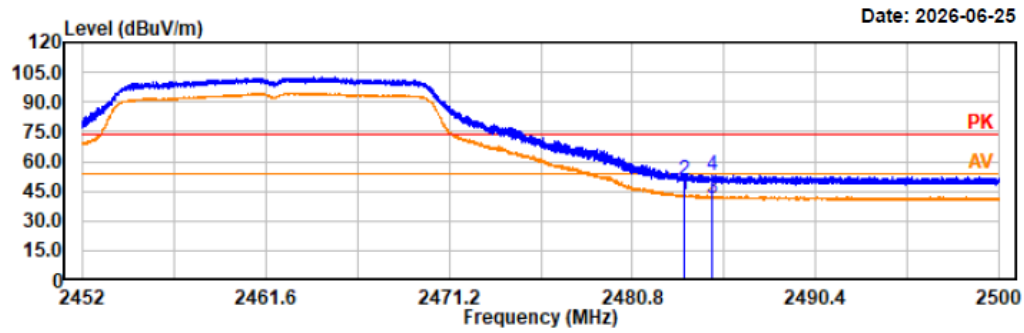
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	37.19	5.18	42.37	54.00	11.63	horizontal	Average
2483.50	47.80	5.18	52.98	74.00	21.02	horizontal	Peak
2486.71	36.31	5.20	41.51	54.00	12.49	horizontal	Average
2486.71	47.52	5.20	52.72	74.00	21.28	horizontal	Peak

Project No.: 2607P07491E-RF
 Test Mode: 802.11g 2462MHz
 EUT Model: HP-N327W
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

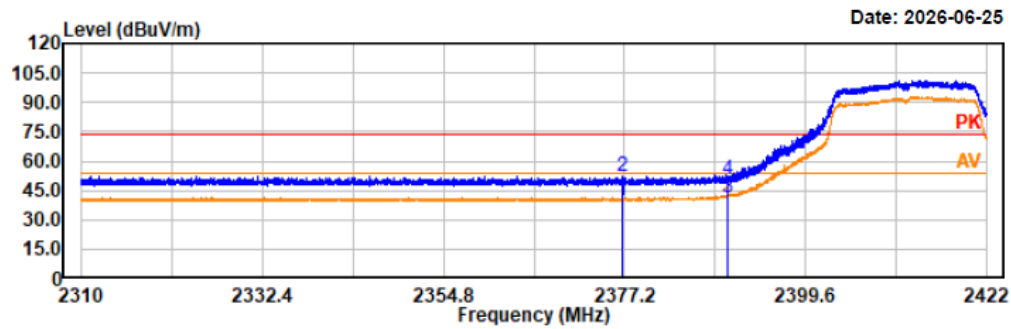
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	37.73	5.18	42.91	54.00	11.09	vertical	Average
2483.50	45.08	5.18	50.26	74.00	23.74	vertical	Peak
2485.02	36.41	5.19	41.60	54.00	12.40	vertical	Average
2485.02	47.92	5.19	53.11	74.00	20.89	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



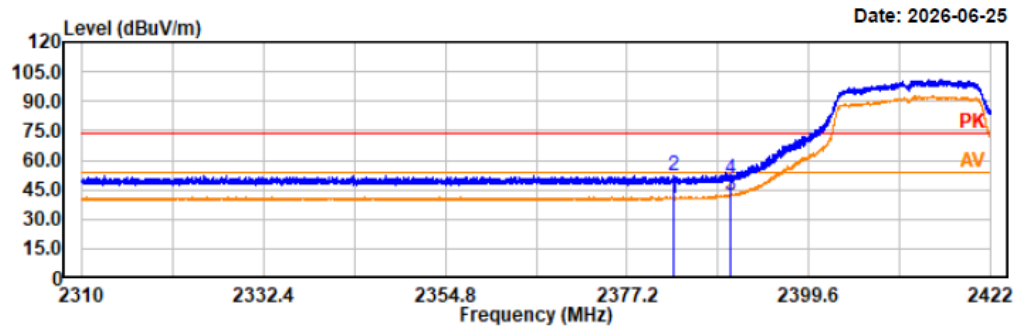
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2376.84	35.43	4.68	40.11	54.00	13.89	horizontal	Average
2376.84	47.34	4.68	52.02	74.00	21.98	horizontal	Peak
2390.00	36.82	4.74	41.56	54.00	12.44	horizontal	Average
2390.00	46.08	4.74	50.82	74.00	23.18	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



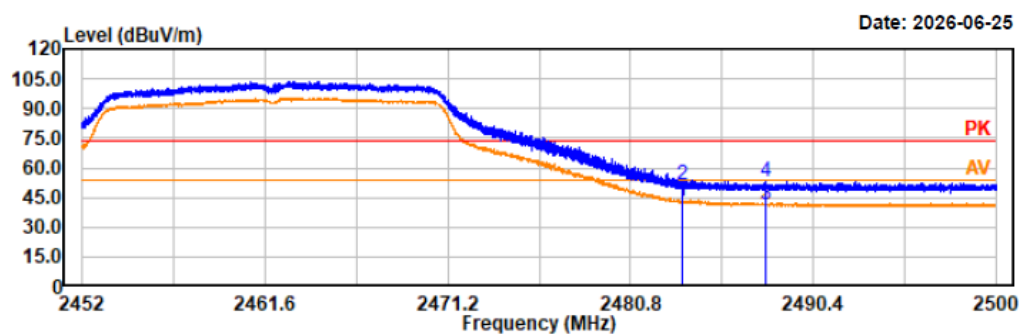
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2382.92	36.01	4.70	40.71	54.00	13.29	vertical	Average
2382.92	47.38	4.70	52.08	74.00	21.92	vertical	Peak
2390.00	37.12	4.74	41.86	54.00	12.14	vertical	Average
2390.00	45.47	4.74	50.21	74.00	23.79	vertical	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: HP-N327W
Test distance: 3m

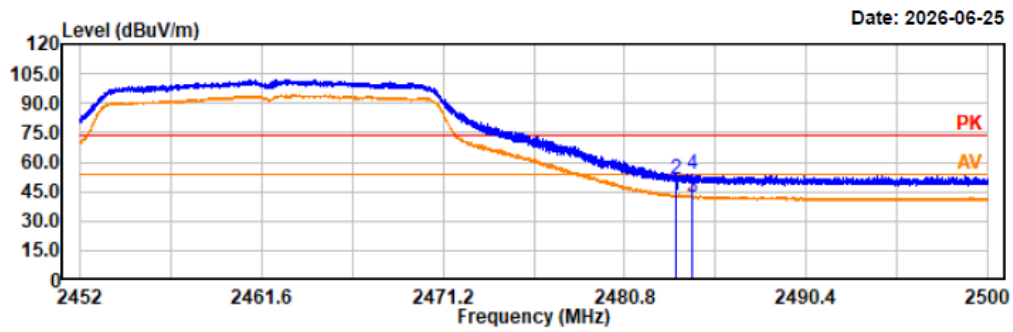
Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	37.48	5.18	42.66	54.00	11.34	horizontal	Average
2483.50	46.17	5.18	51.35	74.00	22.65	horizontal	Peak
2487.91	35.98	5.20	41.18	54.00	12.82	horizontal	Average
2487.91	47.87	5.20	53.07	74.00	20.93	horizontal	Peak

Project No.: 2607P07491E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: HP-N327W
Test distance: 3m

Temp/Humi/ATM: 23.2°C/59%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



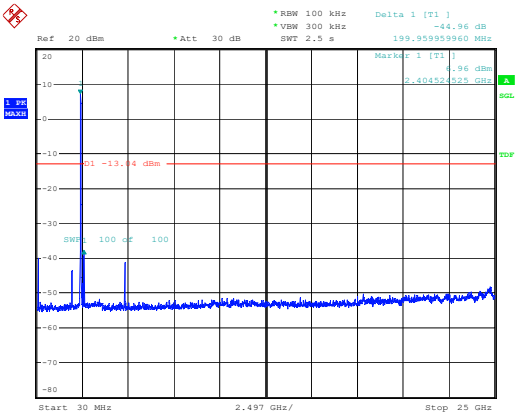
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	37.66	5.18	42.84	54.00	11.16	vertical	Average
2483.50	46.02	5.18	51.20	74.00	22.80	vertical	Peak
2484.38	37.00	5.19	42.19	54.00	11.81	vertical	Average
2484.38	48.37	5.19	53.56	74.00	20.44	vertical	Peak

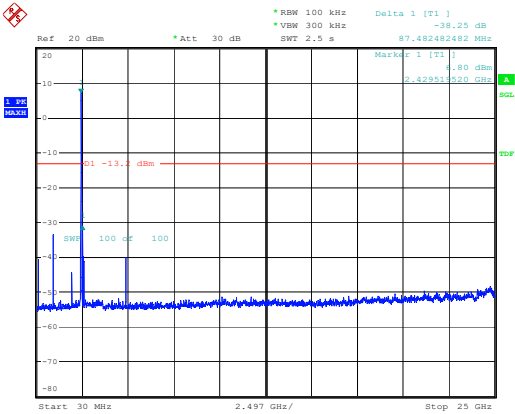
Antenna-port conducted emission

802.11b_2412MHz



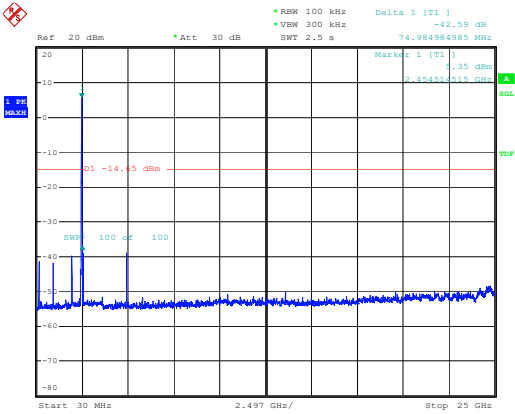
ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 12.MAY.2026 19:30:17

802.11b_2437MHz

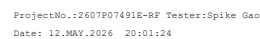
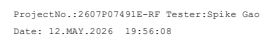
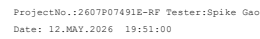


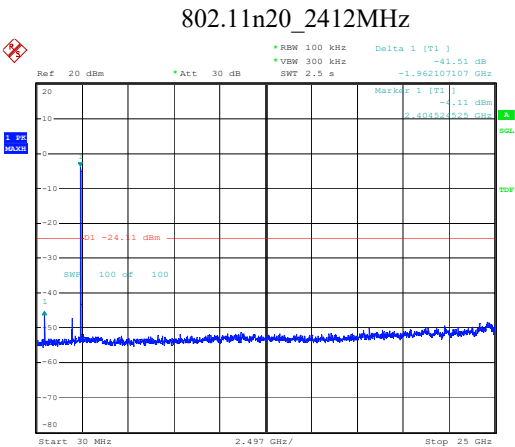
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Date: 12.MAY.2026 19:35:25

802.11b_2462MHz

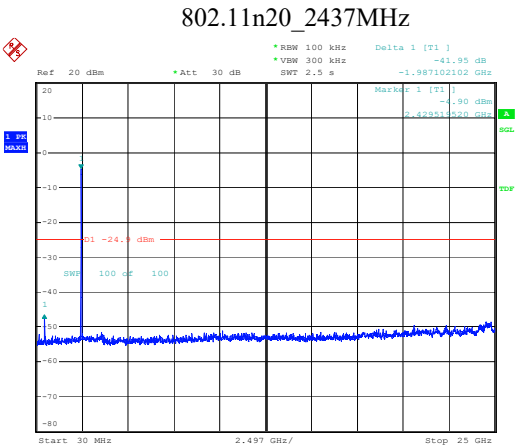


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Date: 12.MAY.2026 19:41:47

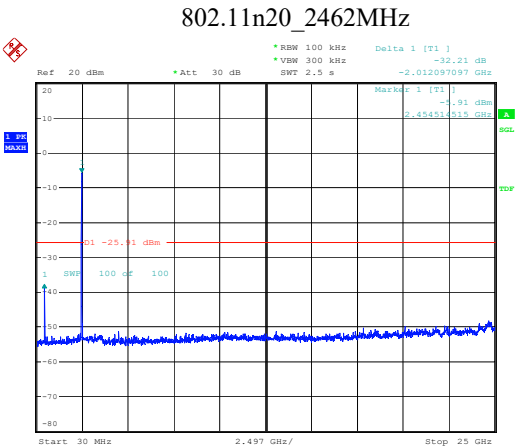




ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 12.MAY.2026 20:24:43



ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 12.MAY.2026 20:13:36

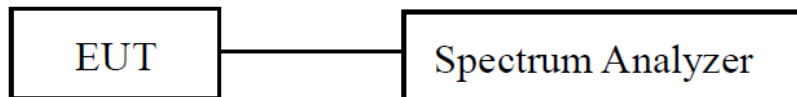


ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 12.MAY.2026 20:19:05

FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH

Applicable Standard

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.

EUT Setup

Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset = Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

According to ANSI C63.10-2020 Section 11.8

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

Test Data

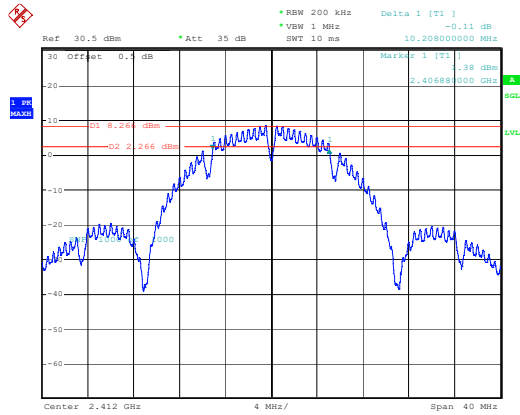
Test Mode:	Transmitting	Test Engineer:	Spike Gao
Test Date:	2026-05-13	Environment:	Temp.: 24.3°C Humi.:60% Atm :100.1 kPa

Test Result: Compliant

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	2412	10.208	0.5
	2437	10.208	0.5
	2462	10.208	0.5
802.11g	2412	16	0.5
	2437	16.192	0.5
	2462	16.288	0.5
802.11n ht20	2412	17.248	0.5
	2437	17.632	0.5
	2462	17.536	0.5

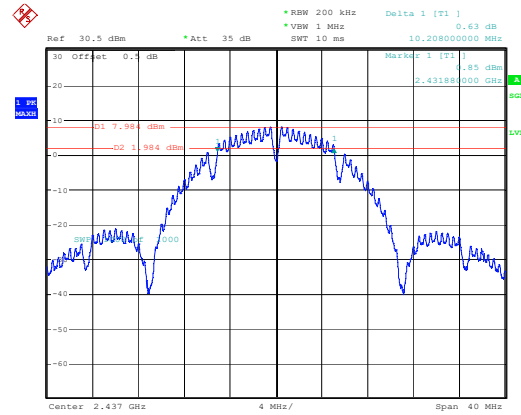
Please refer to below plots:

802.11b_2412MHz



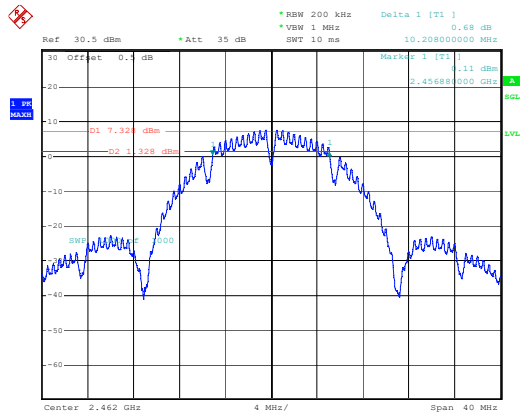
ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 09:31:55

802.11b_2437MHz



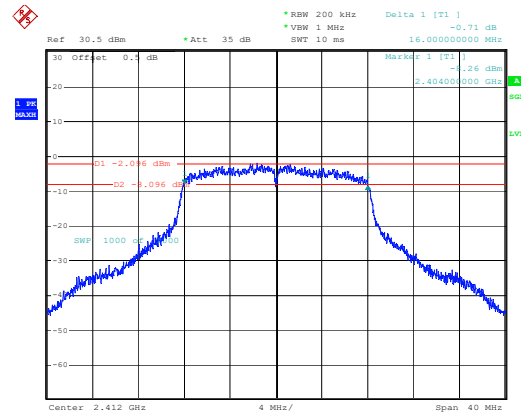
ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 09:33:00

802.11b_2462MHz



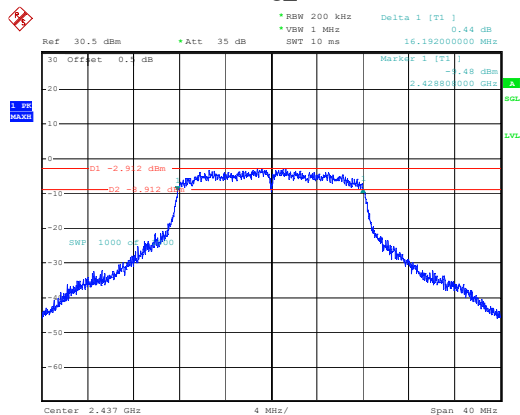
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Date: 13.MAY.2026 09:34:21

802.11g_2412MHz



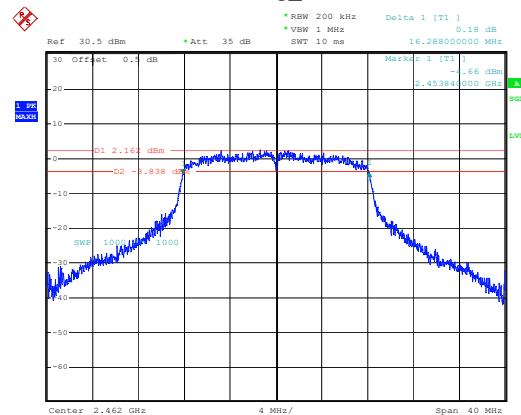
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Date: 13.MAY.2026 10:11:40

802.11g_2437MHz

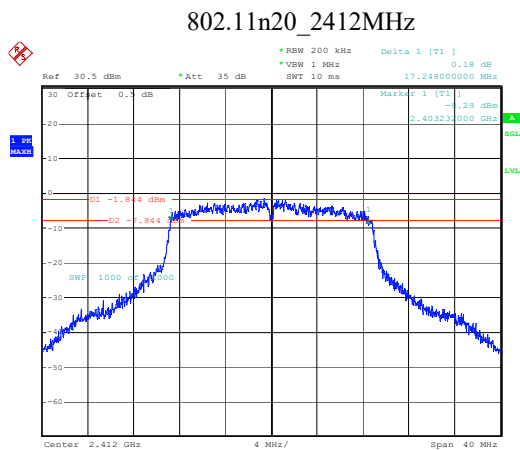


ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 10:42:56

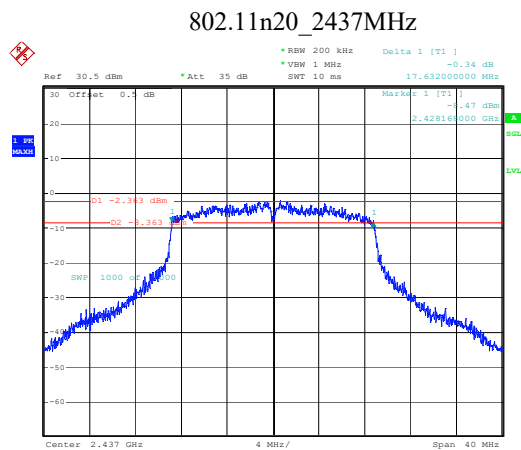
802.11g_2462MHz



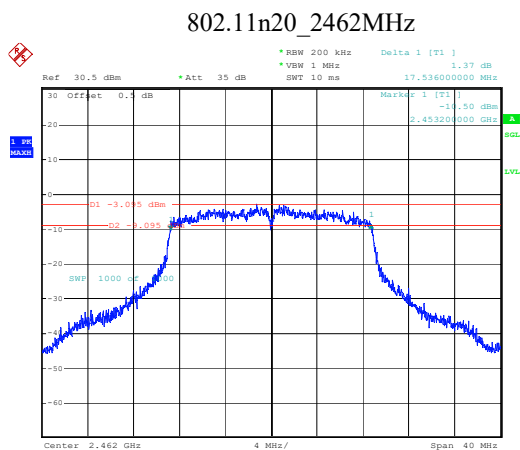
ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 10:57:05



ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 11:05:44



ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 11:15:05



ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 11:23:14

FCC §15.247(b) (3) - 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.

EUT Setup

Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset= Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

According to ANSI C63.10-2020 11.9.1.2 Section 11.9.1.1

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast responding diode detector. See Figure 24.

Test Data

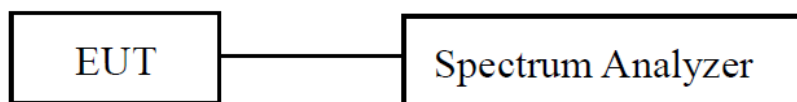
Test Mode:	Transmitting	Test Engineer:	Spike Gao
Test Date:	2026-05-12	Environment:	Temp.: 22.7°C Humi.:53% Atm :100.1 kPa

Test Result: Compliant

Test Modes	Test Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)	Average Output Power(dBm)	Limit (dBm)
802.11b	2412	18.94	15.91	30
	2437	18.80	15.71	30
	2462	17.45	14.98	30
802.11g	2412	16.93	12.34	30
	2437	16.73	12.18	30
	2462	16.38	12.09	30
802.11n ht20	2412	15.79	10.29	30
	2437	15.41	10.08	30
	2462	15.36	9.88	30

FCC §15.247(d) – 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)).

EUT Setup

Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset= Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

According to ANSI C63.10-2020 Section 11.11

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

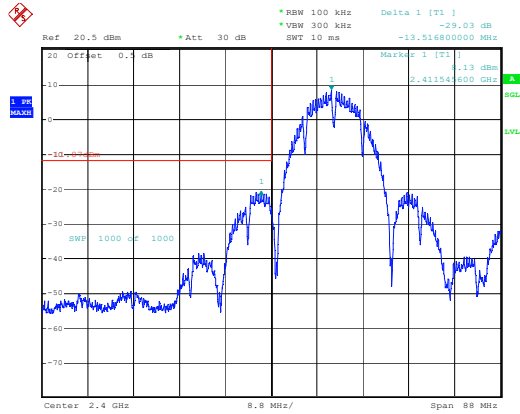
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

Test Data

Test Mode:	Transmitting	Test Engineer:	Spike Gao
Test Date:	2026-05-13	Environment:	Temp.: 24.3°C Humi.: 60% Atm : 100.1 kPa

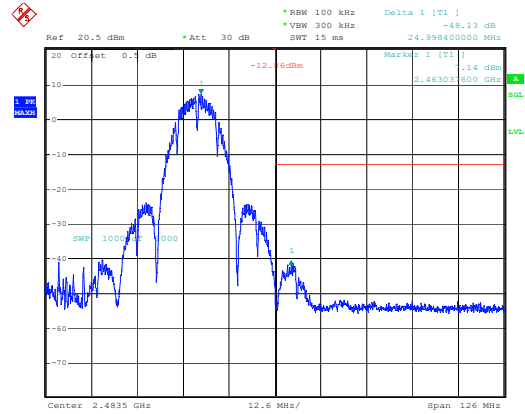
Please refer to below plots:

802.11b_2412MHz



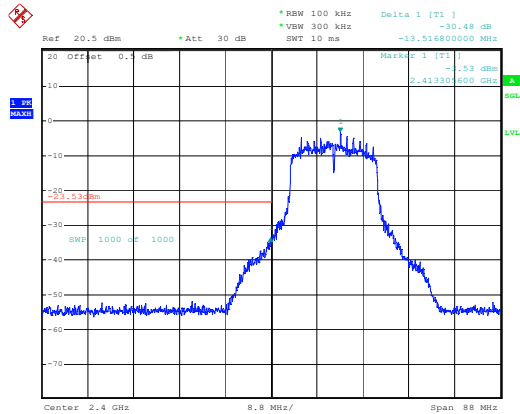
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Date: 13.MAY.2026 09:36:15

802.11b_2462MHz



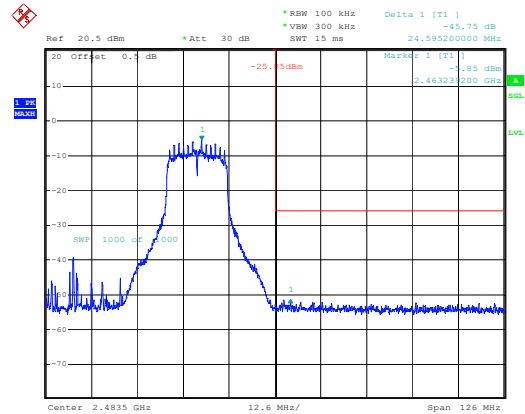
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Date: 13.MAY.2026 09:37:30

802.11g_2412MHz



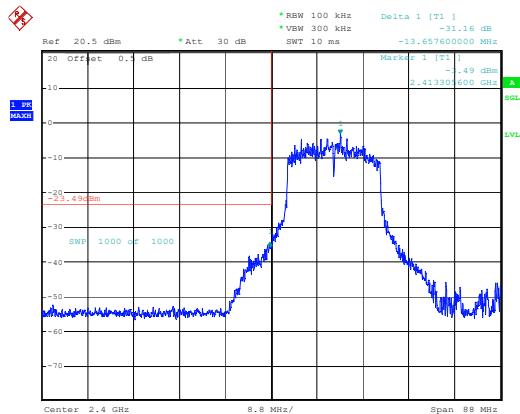
ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 09:39:27

802.11g_2462MHz



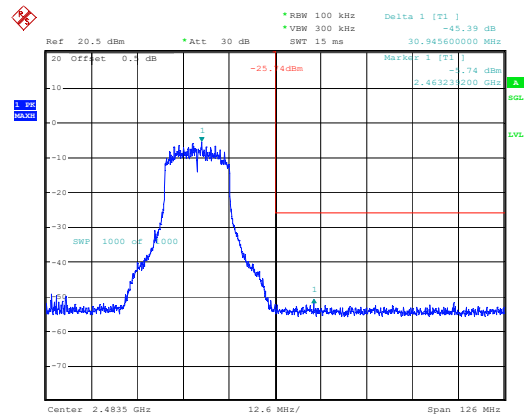
ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 11:19:18

802.11n20_2412MHz



ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 09:42:30

802.11n20_2462MHz

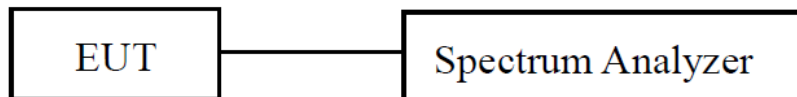


ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 11:49:19

FCC §15.247(e) - 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.

EUT Setup

Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset = Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

According to ANSI C63.10-2020 Section 11.10.2

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

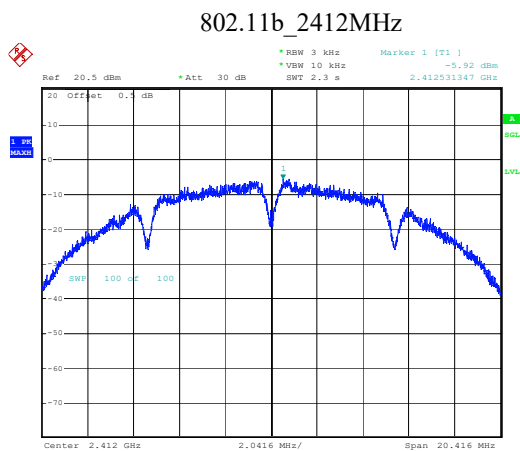
Test Data

Test Mode:	Transmitting	Test Engineer:	Spike Gao
Test Date:	2026-05-13	Environment:	Temp.: 24.3°C Humi.:60% Atm :100.1 kPa

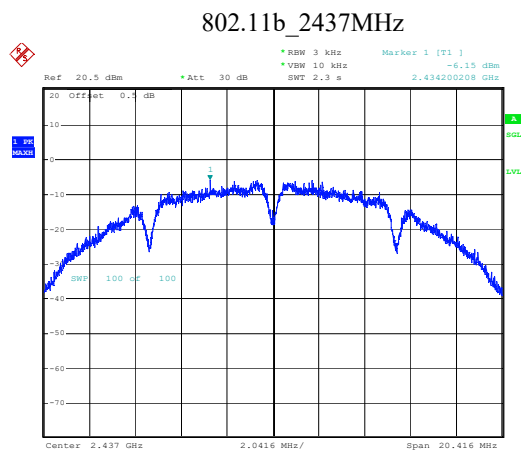
Test Result: Compliant

Test Modes	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	2412	-5.92	8.00
	2437	-6.15	8.00
	2462	-5.68	8.00
802.11g	2412	-16.82	8.00
	2437	-17.05	8.00
	2462	-19.38	8.00
802.11n ht20	2412	-17.34	8.00
	2437	-17.8	8.00
	2462	-19.13	8.00

Please refer to below plots:

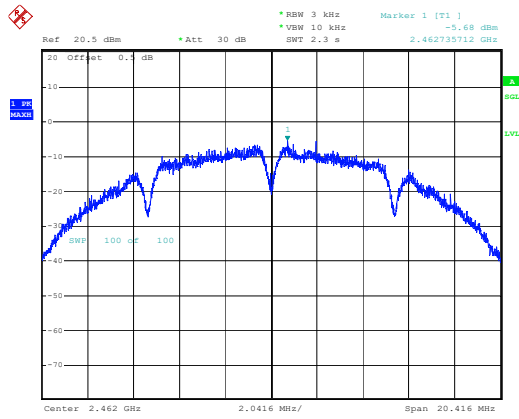


ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 09:43:31



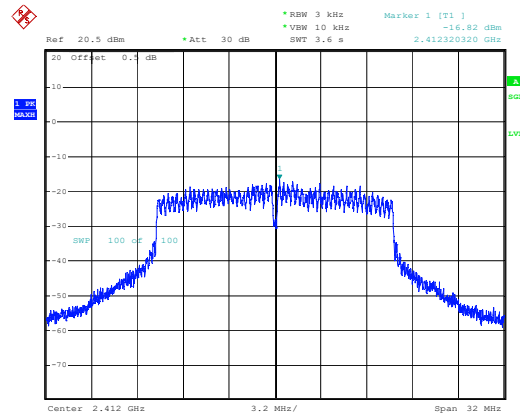
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Date: 13.MAY.2026 09:48:07

802.11b_2462MHz



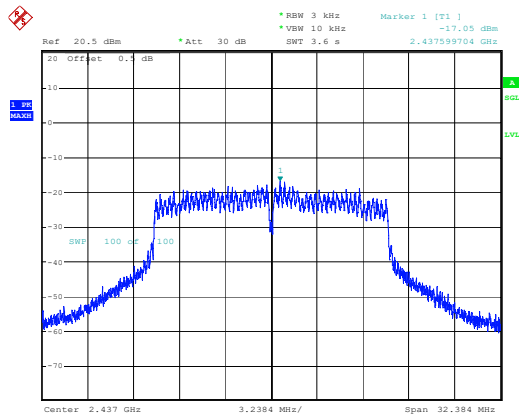
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Date: 13.MAY.2026 09:52:47

802.11g_2412MHz



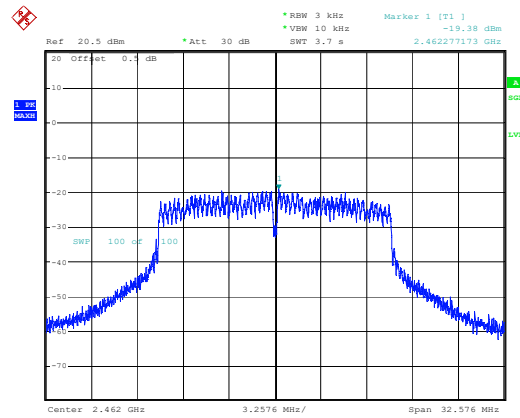
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Date: 13.MAY.2026 10:18:40

802.11g_2437MHz



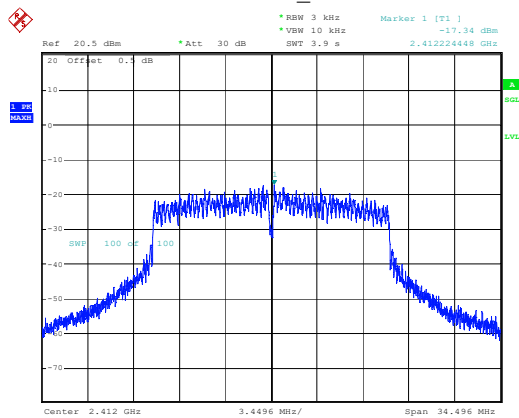
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Date: 13.MAY.2026 10:49:05

802.11g_2462MHz



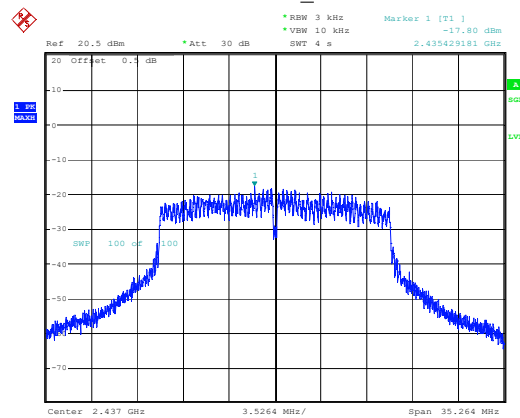
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Date: 13.MAY.2026 10:58:16

802.11n20_2412MHz

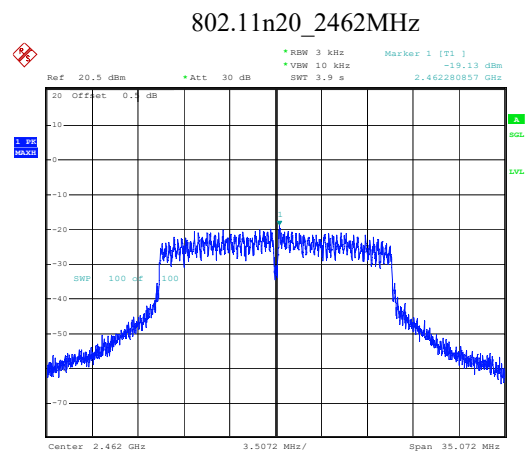


ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 11:13:13

802.11n20_2437MHz



ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 11:21:53



ProjectNo.:2607P07491E-RF Tester:Spike Gao
Date: 13.MAY.2026 11:30:47

EUT PHOTOGRAPHS

Please refer to the attachment 2607P07491E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2607P07491E-RF-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2607P07491E-RF-TSP-01 SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

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