FCC Test Report

Report No.:	2405W66906EG
Applicant:	Shenzhen Neutop Optoelectronics Co., Ltd
Address:	502, BLDG 4, Pingshan minQi Technology Park, No. 65 Lishan Road, Pingshan Community,Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China
Product Name:	Projector
Product Model:	D002
Multiple Models:	D001P, D001, D002P, D003, D004, D005
Trade Mark:	N/A
FCC ID:	2BEGB-YX03
Standards:	FCC CFR Title 47 Part 15C (§15.247)
Test Date:	2024-08-27 to 2024-12-20
Test Result:	Complied
Report Date:	2024-12-20

Reviewed by: Abel Chen — Abel Chen, Project Engineer

Approved by: Jacob Kong — Jacob Kong, Manager

Prepared by:

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

NVLAP TESTING NVLAP LAB CODE 600335-0

ilac-MRA

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2. The results in this report apply only to the sample tested.

3. This sample tested is in compliance with the limits of the above regulation.

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

Revision History

Version No.	Issued Date	Description
00	*2024-12-20*	*Original*

Contents

1 General Information

1.1 Client Information

Applicant:	Shenzhen Neutop Optoelectronics Co., Ltd
Address:	502, BLDG 4, Pingshan minQi Technology Park, No. 65 Lishan Road, Pingshan Community,Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Neutop Optoelectronics Co., Ltd
Address:	502, BLDG 4, Pingshan minQi Technology Park, No. 65 Lishan Road, Pingshan Community,Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China

1.2 Product Description of EUT

The EUT is Projector that contains Classic Bluetooth, BLE, 2.4G and 5G WLAN radios, this report covers the full testing of the 2.4G WLAN radio.

Sample Serial Number	2QJT-2 for CE test, 2QJT-1 for RE test, 2QJT-6 for RF conducted test (assigned by WATC)
Sample Received Date	2024-08-23
Sample Status	Good Condition
Frequency Range	2412MHz - 2472MHz(802.11b, g, n-HT20) 2422MHz - 2462MHz(802.11n-HT40)
Maximum Conducted Peak Output Power	16.48dBm
Modulation Technology	DSSS, OFDM
Antenna Gain#	ANT 0:2.98dBi ANT1: 3.14dBi
Spatial Streams#	MIMO (2TX, 2RX)
Power Supply	DC 29V from adapter
Adapter Information	Model: SOY-2900380-410-B Input: AC100-240V, 50/60Hz, 2.5A Output: DC 29.0V/3.8A 110.2W
Modification	Sample No Modification by the test lab

1.3 Antenna information

15.203 requirement:

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

Device Antenna information:	

The Wi-Fi antenna is an internal antenna which cannot replace by end-user. Please see product internal photos for details.

1.4 Related Submittal(s)/Grant(s)

FCC Part 15, Subpart C, Equipment Class: DSS, FCC ID: 2BEGB-YX03

FCC Part 15, Subpart E, Equipment Class: NII, FCC ID: 2BEGB-YX03

1.5 Measurement Uncertainty

Parameter		Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
AC Power Lines Conducted Emissions		±3.14dB
Emissions, Radiated	Below 30MHz	±2.78dB
	Below 1GHz	±4.84dB
	Above 1GHz	±5.44dB
Emissions, Conducted		1.75dB
Conducted Power		0.74dB
Frequency Error		150Hz
Bandwidth		0.34%
Power Spectral Density		0.74dB

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.*

1.6 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@watc.com.cn

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

1.7 Test Methodology

FCC CFR 47 Part 2

FCC CFR 47 Part 15

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2013

2 Description of Measurement

2.1 Test Configuration

Operating channels:					
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	6	2437	11	2462
2	2417	7	2442	12	2467
3	2422	8	2447	13	2472
4	2427	9	2452	/	/
5	2432	10	2457	/	/
According to ANSI C63.10-2013 chapter 5.6.1 Table 11 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:					
802.11b, 802.11g, 802.11n-HT20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	7	2442	13	2472
802.11n-HT40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
3	2422	7	2442	11	2462

Test Mode:				
Transmitting mode:	Keep the EUT in continuous transmitting with modulation			
Exercise software#:	SecureCRT			
Mode	**Worst-case Data rate**	**Power Level Setting#**		
		Low Channel	**Middle Channel**	**High Channel**
802.11b	1Mbps	1	1	1
802.11g	6Mbps	1	1	1
802.11n-HT20	6.5Mbps	1	1	1
802.11n-HT40	13.5Mbps	2	2	2
The exercise software and the maximum power setting that provided by manufacturer.				

Worst-Case Configuration:
For AC power line conducted emission and radiated emission 9kHz-1GHz and above 18GHz were performed with the EUT transmits at the channel with highest output power as worst-case scenario. According to manufacturer, the device support MIMO mode, all modes share the same power level setting under the same modulation. So the worst mode MIMO was selected to test

For radiated emissions below 30MHz, three antenna orientations (parallel, perpendicular, gound-parallel) were tested, only record the worse case test data in report.

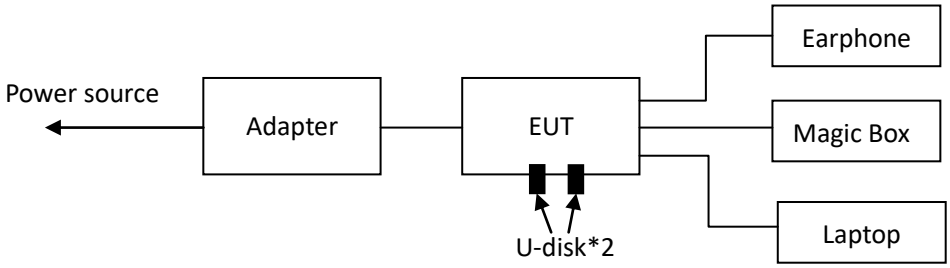
2.2 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
aigo	USB flash disk*2	unknown	unknown
Tmall	Magic Box	M20_C	20081648
unknown	Earphone	unknown	unknown
DELL	Laptop	E5570	52KW7

2.3 Interconnecting Cables

Manufacturer	Description	Length(m)	From	To
SOY	AC Power Cable	0.2	Power source	Adapter
SOY	DC Power Cable	1.5	Adapter	EUT
Unknown	HDMI Cable(Shielding)	1.5	Laptop	EUT
Unknown	AV Cable	1.5	EUT	Magic Box

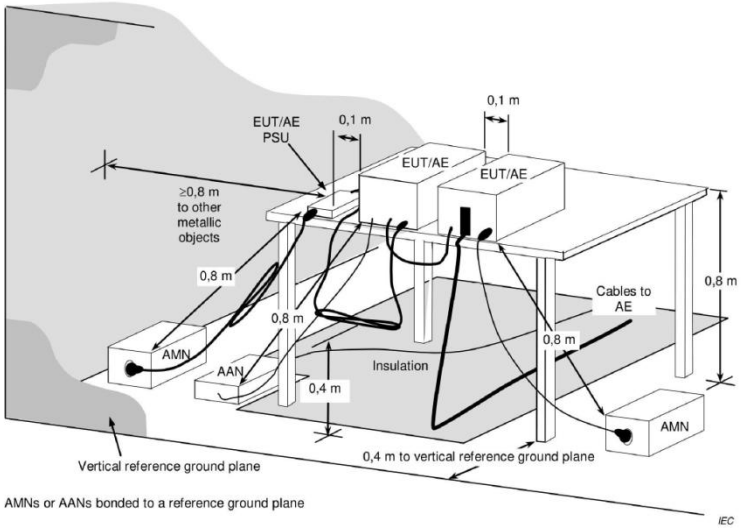
2.4 Block Diagram of Connection between EUT and AE



Note: for reference only, the actual connection setup used for testing please refer to the test photos.

2.5 Test Setup

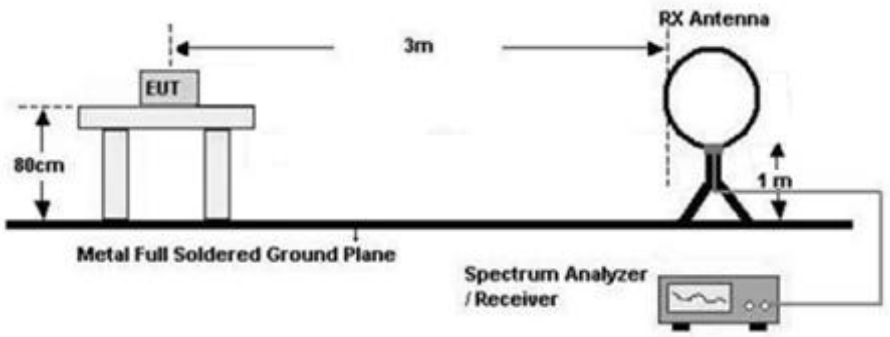
1) Conducted emission measurement:



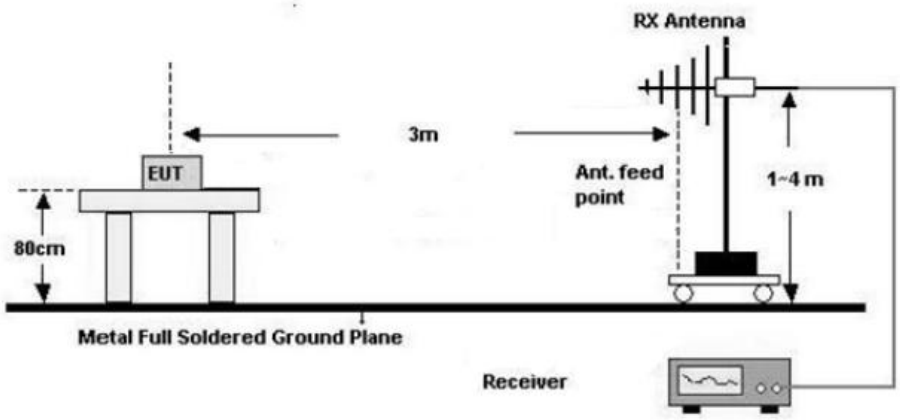
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

2) Radiated emission measurement:

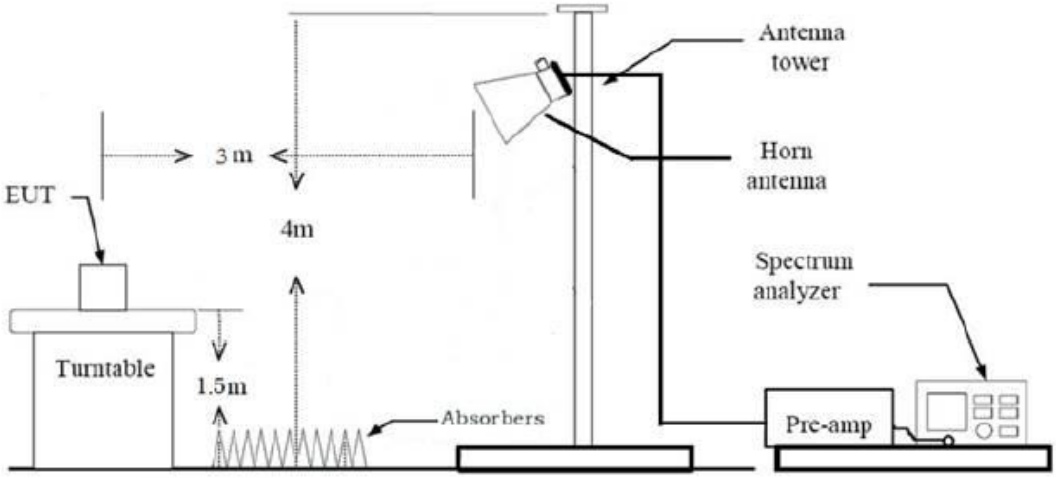
Below 30MHz (3m SAC)



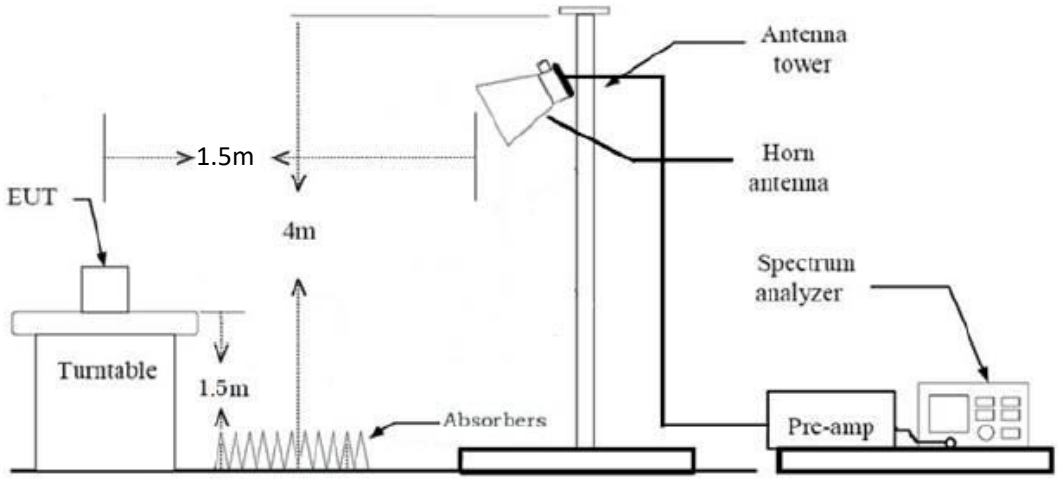
30MHz-1GHz (3m SAC)



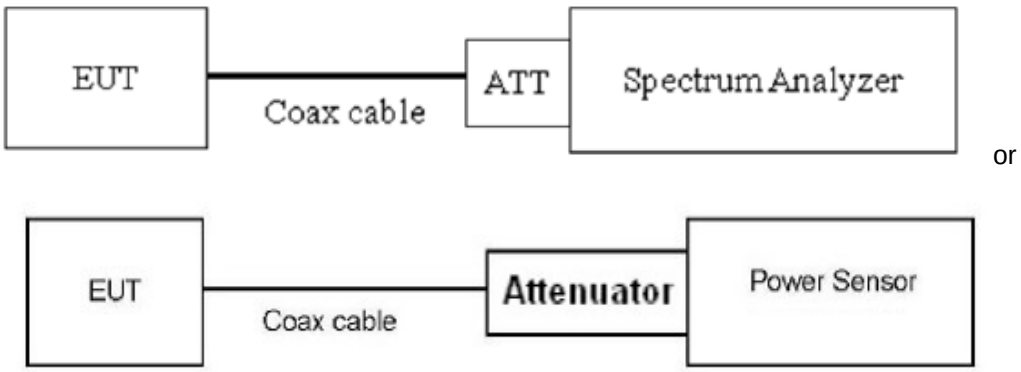
1GHz-18GHz(3m FAC)



Above 18GHz (3m FAC)



3) RF Conducted Test



2.6 Test Procedure

Conducted emission:

1. The E.U.T is placed on a non-conducting table 40cm from the vertical ground plane and 80cm above the horizontal ground plane (Please refer to the block diagram of the test setup and photographs).
2. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
3. Line conducted data is recorded for both Line and Neutral

Radiated Emission Procedure:

a) For below 30MHz

1. All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz- 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the

intentionally transmitted signal. The extrapolation factor for the limits were 40*Log (test distance / specification distance).

2. Loop antenna use, investigation was done on the three antenna orientations (parallel, perpendicular, gound-parallel)

b) For 30MHz-1GHz:

1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.

c) For above 1GHz:

1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m (1-18GHz) and 1.5 m (above 18GHz).
2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously working. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
4. Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

RF Conducted Test:

1. The antenna port of EUT was connected to the RF port of the test equipment (Power Meter or Spectrum analyzer) through Attenuator and RF cable.
2. The cable assembly insertion loss (including 6.0 dB Attenuator and cable loss) was entered as an offset in the power meter. Note: Actual cable loss was unavailable at the time of testing, therefore a loss used was assumed as worst case. This was later verified to be true by laboratory. (if the RF cable provided by client, the cable loss declared by client)
3. The EUT is keeping in continuous transmission mode and tested in all modulation modes.

2.7 Measurement Method

Description of Test	Measurement Method
AC Line Conducted Emissions	ANSI C63.10-2013 Section 6.2
Maximum Conducted Output Power	ANSI C63.10-2013 Section 11.9.1.2 PKPM1 Peak power meter method or ANSI C63.10-2013 Section 11.9.2.3.2 Method AVGPM-G
Power Spectral Density	ANSI C63.10-2013 Section 11.10.2 Method PKPSD (peak PSD)
6 dB Emission Bandwidth	ANSI C63.10-2013 Section 11.8.1
99% Occupied Bandwidth	ANSI C63.10-2013 Section 6.9.3
100kHz Bandwidth of Frequency Band Edge	ANSI C63.10-2013 Section 6.10
Conducted emission at Antenna Terminals	ANSI C63.10-2013 Section 11.11
Radiated emission	ANSI C63.10-2013 Section 11.11&11.12
Duty Cycle	ANSI C63.10-2013 Section 11.6

2.8 Measurement Equipment

Manufacturer	Description	Model	Management No.	Calibration Date	Calibration Due Date
AC Line Conducted Emission Test					
ROHDE& SCHWARZ	EMI TEST RECEIVER	ESR	101817	2024/6/4	2025/6/3
R&S	LISN	ENV216	101748	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.12	N/A	2024/6/6	2025/6/5
Farad	Test Software	EZ-EMC	Ver. EMEC-3A1	/	/
Radiated Emission Test					
R&S	EMI test receiver	ESR3	102758	2024/6/4	2025/6/3
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40-N	101608	2024/6/4	2025/6/3
SONOMA INSTRUMENT	Low frequency amplifier	310	186014	2024/6/4	2025/6/3
A.H. Systems	PREAMPLIFIER	PAM-0118P	531	2024/6/4	2025/6/3
COM-POWER	Amplifier	PAM-840A	461306	2024/8/7	2025/8/6
BACL	Loop Antenna	1313-1A	4010611	2024/2/7	2027/2/6
SCHWARZBECK	Log - periodic	VULB 9163	9163-872	2023/7/7	2026/7/6

	wideband antenna				
Astro Antenna Ltd	Horn antenna	AHA-118S	3015	2023/7/6	2026/7/5
Ducommun technologies	Horn Antenna	ARH-4223-02	1007726-03	2023/7/10	2026/7/9
Oulitong	Band Reject Filter	OBSF-2400-2483.5-50N	OE02103119	2024/6/4	2025/6/3
Unknown	6.7G High Pass Filter	Unknown	6.7G	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.9	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.13	N/A	2024/8/7	2025/8/6
N/A	Coaxial Cable	NO.15	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.16	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.17	N/A	2024/6/4	2025/6/3
Audix	Test Software	E3	191218 V9	/	/
RF Conducted Test					
ROHDE&SCHWARZ	SPECTRUM ANALYZER	FSV40	101419	2024/6/4	2025/6/3
ROHDE&SCHWARZ	SPECTRUM ANALYZER	FSU-26	200680/026	2024/6/4	2025/6/3
ANRITSU	USB Power Sensor	MA24418A	12620	2024/6/4	2025/6/3
narda	6dB attenuator	603-06-1	N/A	2024/6/4	2025/6/3

Note: All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or International standards.

3 Test Results

3.1 Test Summary

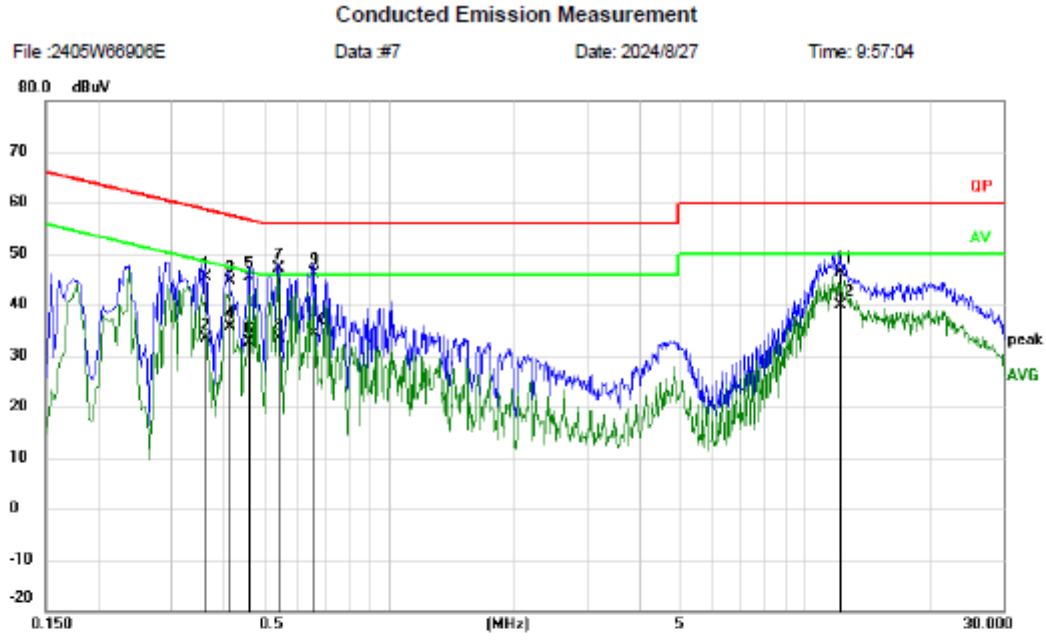
FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Compliance
§15.247(b)(3)	Maximum Conducted Output Power	Compliance
§15.247(e)	Power Spectral Density	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
-	99% Occupied Bandwidth	Report only
§15.247(d)	100kHz Bandwidth of Frequency Band Edge	Compliance
§15.247(d)	Conducted emission at Antenna Terminals	Compliance
§15.205, §15.209, §15.247(d)	Radiated emission	Compliance
-	Duty Cycle	Report only

3.2 Limit

Test items	Limit
AC Line Conducted Emissions	See details §15.207 (a)
Conducted Output Power	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.
6dB Emission Bandwidth	The minimum 6 dB bandwidth shall be at least 500 kHz.
Power Spectral Density	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.
Spurious Emissions, 100kHz Bandwidth of Frequency Band Edge	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)).

3.3 AC Line Conducted Emissions Test Data

Test Date:	2024-08-27	Test By:	Lirou Li
Environment condition:	Temperature: 23.6°C; Relative Humidity:66%; ATM Pressure: 101.4kPa		



Limit: QP
Mode:transmitting
Note: WIFI 2.4G

Phase: L1
Power: AC 120V/60Hz

Temperature: 23.6 ℃
Humidity: 66 %
Air Pressure: 1014 hpa

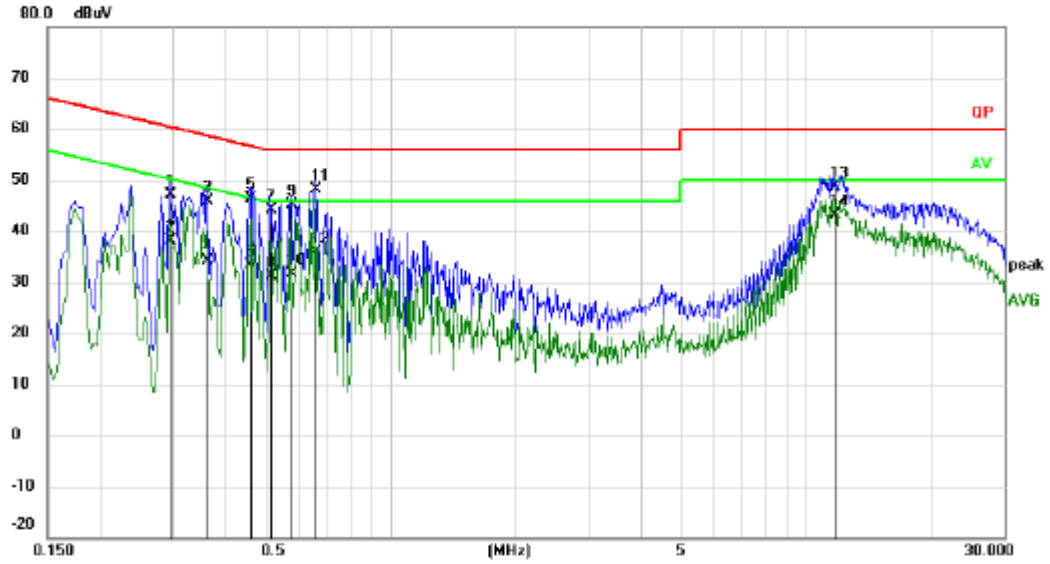
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3620	34.51	10.76	45.27	58.68	-13.41	QP	
2		0.3620	22.59	10.76	33.35	48.68	-15.33	AVG	
3		0.4140	33.89	10.78	44.67	57.57	-12.90	QP	
4		0.4140	24.86	10.78	35.64	47.57	-11.93	AVG	
5		0.4620	34.55	10.80	45.35	56.66	-11.31	QP	
6		0.4620	21.75	10.80	32.55	46.66	-14.11	AVG	
7	*	0.5420	36.24	10.82	47.06	56.00	-8.94	QP	
8		0.5420	22.57	10.82	33.39	46.00	-12.61	AVG	
9		0.6580	35.27	10.85	46.12	56.00	-9.88	QP	
10		0.6580	23.54	10.85	34.39	46.00	-11.61	AVG	
11		12.1860	35.80	10.50	46.30	60.00	-13.70	QP	
12		12.1860	29.44	10.50	39.94	50.00	-10.06	AVG	

*:Maximum data x:Over limit !:over margin

Engineer Signature: Lirou

Conducted Emission Measurement

File :2405W66906E Data :#8 Date: 2024/8/27 Time: 10:06:34



Limit: QP
Mode:transmitting
Note: WIFI 2.4G

Phase: N
Power: AC 120V/60Hz

Temperature: 23.6 ℃
Humidity: 66 %
Air Pressure: 1014 hpa

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2940	36.71	10.53	47.24	60.41	-13.17	QP	
2		0.2940	27.49	10.53	38.02	50.41	-12.39	AVG	
3		0.3620	35.31	10.61	45.92	58.68	-12.76	QP	
4		0.3620	23.59	10.61	34.20	48.68	-14.48	AVG	
5		0.4620	35.58	10.69	46.27	56.66	-10.39	QP	
6		0.4620	22.67	10.69	33.36	46.66	-13.30	AVG	
7		0.5180	33.45	10.70	44.15	56.00	-11.85	QP	
8		0.5180	20.43	10.70	31.13	46.00	-14.87	AVG	
9		0.5780	34.54	10.65	45.19	56.00	-10.81	QP	
10		0.5780	20.99	10.65	31.64	46.00	-14.36	AVG	
11		0.6620	37.54	10.59	48.13	56.00	-7.87	QP	
12		0.6620	25.32	10.59	35.91	46.00	-10.09	AVG	
13		11.6899	37.82	10.78	48.60	60.00	-11.40	QP	
14	*	11.6899	32.39	10.78	43.17	50.00	-6.83	AVG	

*:Maximum data x:Over limit !:over margin

Engineer Signature: Lirou

Remark:

Measurement (dBuV)= Reading Level (dBuV) + Correct Factor(dB)

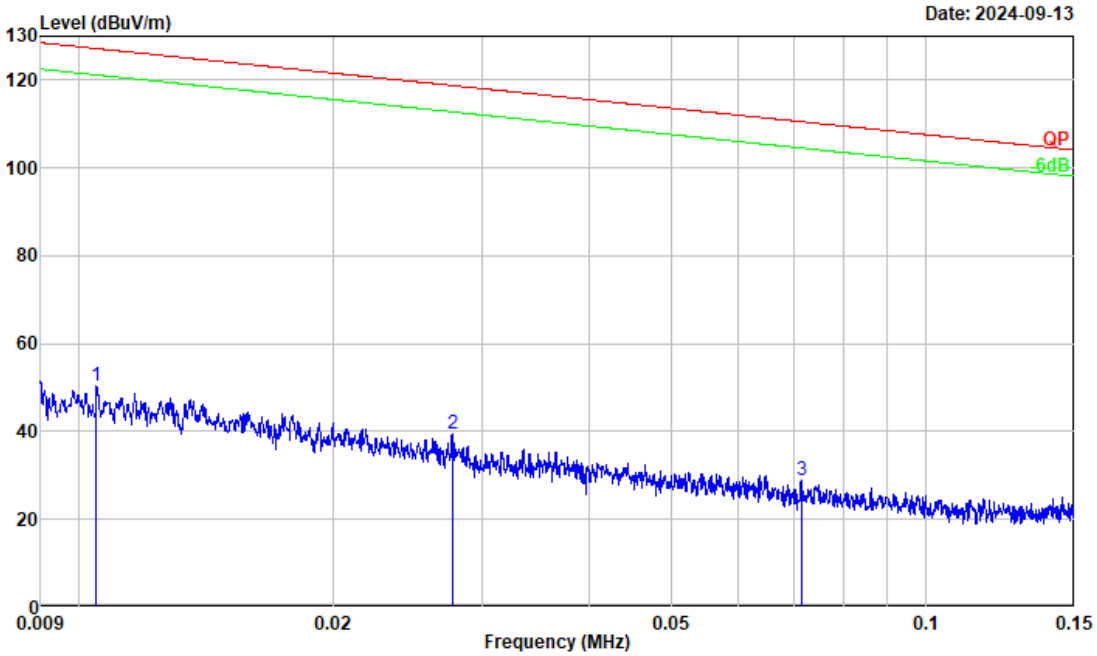
Correct Factor (dB)= LISN Voltage Division Factor (dB)+ Cable loss(dB)

Over Limit = Measurement – Limit

3.4 Radiated emission Test Data

9 kHz-30MHz:

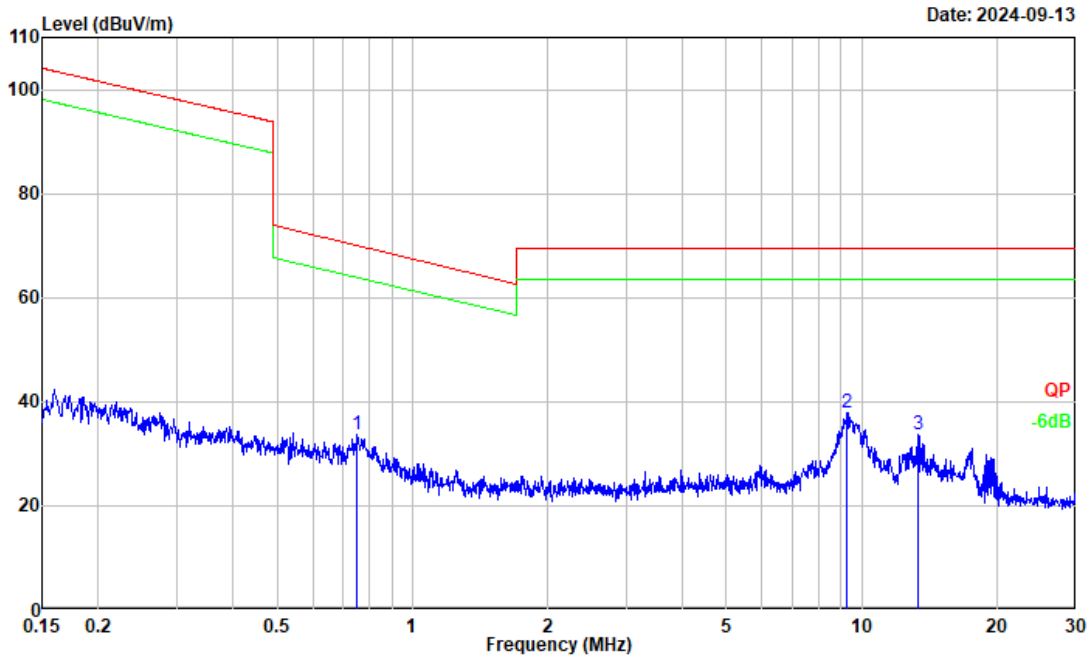
Test Date:	2024-09-13	Test By:	Luke Li
Environment condition:	Temperature: 22.2°C; Relative Humidity:66%; ATM Pressure: 100kPa		



Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 22.2℃/66%R.H./100.0kPa
Tested by : Luke Li
Polarization : PARALLEL
Remark : 802.11n20 high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	0.010	13.57	36.90	50.47	127.19	-76.72	Peak
2	0.028	13.41	26.04	39.45	118.79	-79.34	Peak
3	0.072	11.62	17.42	29.04	110.51	-81.47	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit



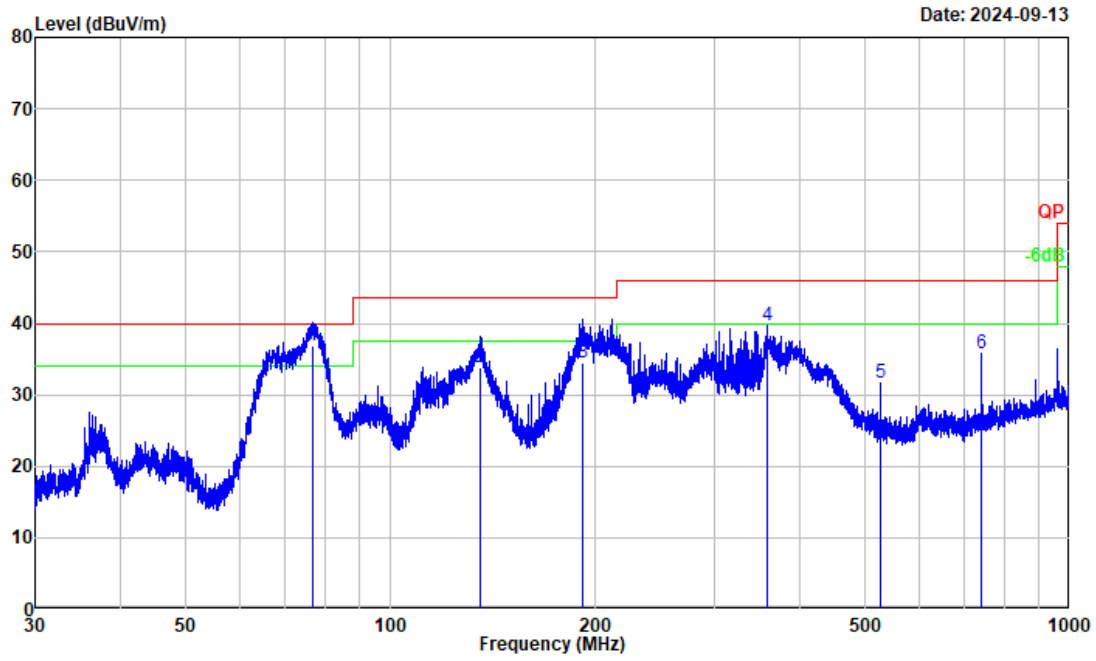
Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 22.2℃/66%R.H./100.0kPa
Tested by : Luke Li
Polarization : PARALLEL
Remark : 802.11n20 high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	0.754	30.94	2.86	33.80	69.98	-36.18	Peak
2	9.272	41.54	-3.68	37.86	69.54	-31.68	Peak
3	13.367	37.15	-3.57	33.58	69.54	-35.96	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

30MHz-1GHz:

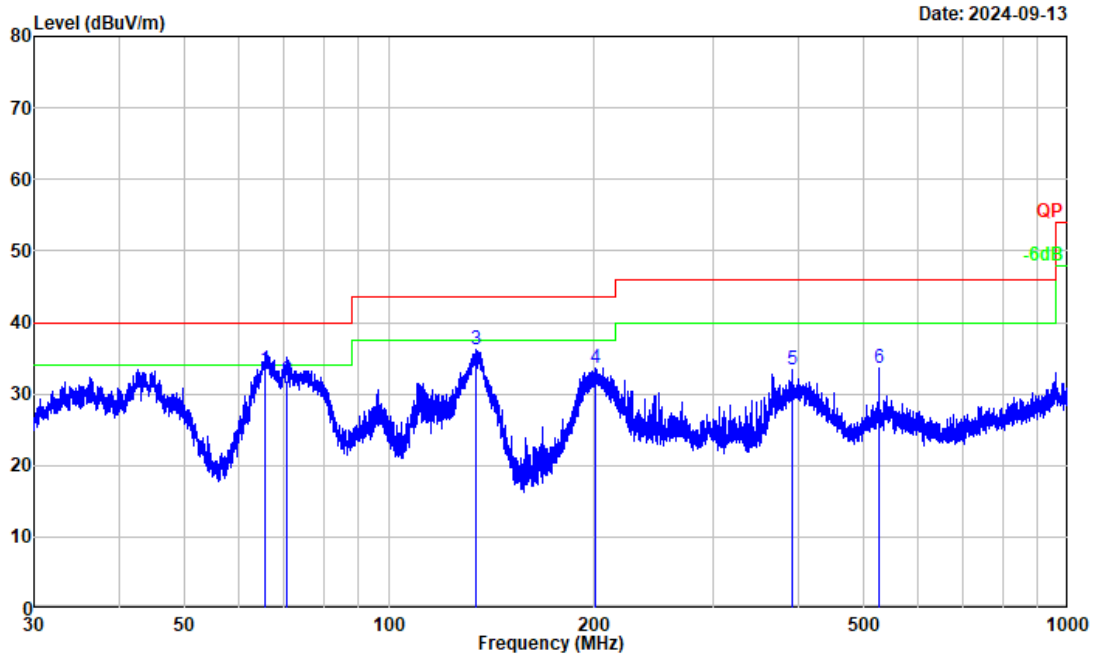
Test Date:	2024-09-13	Test By:	Bard Huang
Environment condition:	Temperature: 22.2°C; Relative Humidity:66%; ATM Pressure: 100kPa		



Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 22.2℃/66%R.H./100.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n20 high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	77.026	54.70	-17.88	36.82	40.00	-3.18	QP
2	135.294	50.90	-17.08	33.82	43.50	-9.68	QP
3	191.958	48.29	-13.81	34.48	43.50	-9.02	QP
4	358.040	48.06	-8.48	39.58	46.00	-6.42	Peak
5	526.585	36.85	-5.28	31.57	46.00	-14.43	Peak
6	741.906	36.59	-0.80	35.79	46.00	-10.21	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit



Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 22.2℃/66%R.H./100.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n20 high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	65.723	47.79	-14.32	33.47	40.00	-6.53	QP
2	70.684	48.10	-16.21	31.89	40.00	-8.11	QP
3	134.408	53.28	-17.06	36.22	43.50	-7.28	Peak
4	201.529	46.71	-13.15	33.56	43.50	-9.94	Peak
5	392.565	41.10	-7.69	33.41	46.00	-12.59	Peak
6	526.585	38.82	-5.28	33.54	46.00	-12.46	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Above 1GHz:

Test Date:	2024-12-04	Test By:	Bard Huang
Environment condition:	Temperature: 24.1°C; Relative Humidity:36%; ATM Pressure: 101kPa		

Frequency (MHz)	Reading level (dBμV)	Polar (H/V)	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
802.11b							
Low Channel							
4824.000	48.65	horizontal	-2.75	45.90	74.00	-28.10	Peak
4824.000	47.15	vertical	-2.75	44.40	74.00	-29.60	Peak
1062.000	61.07	horizontal	-8.02	53.05	74.00	-20.95	Peak
1053.000	45.89	vertical	-8.04	37.85	54.00	-16.15	Average
1053.000	66.29	vertical	-8.04	58.25	74.00	-15.75	Peak
Middle Channel							
4884.000	47.81	horizontal	-2.30	45.51	74.00	-28.49	Peak
4884.000	47.66	vertical	-2.30	45.36	74.00	-28.64	Peak
1061.000	60.45	horizontal	-8.03	52.42	74.00	-21.58	Peak
1062.000	43.12	vertical	-8.02	35.10	54.00	-18.90	Average
1062.000	63.17	vertical	-8.02	55.15	74.00	-18.85	Peak
High Channel							
4944.000	48.50	horizontal	-2.18	46.32	74.00	-27.68	Peak
4944.000	48.06	vertical	-2.18	45.88	74.00	-28.12	Peak
1053.000	60.91	horizontal	-8.04	52.87	74.00	-21.13	Peak
1059.000	42.91	vertical	-8.03	34.88	54.00	-19.12	Average
1059.000	62.55	vertical	-8.03	54.52	74.00	-19.48	Peak
802.11g							
Low Channel							
4824.000	47.29	horizontal	-2.75	44.54	74.00	-29.46	Peak
4824.000	47.24	vertical	-2.75	44.49	74.00	-29.51	Peak
1064.000	60.13	horizontal	-8.01	52.12	74.00	-21.88	Peak
1059.000	42.33	vertical	-8.03	34.30	54.00	-19.70	Average
1059.000	62.20	vertical	-8.03	54.17	74.00	-19.83	Peak
Middle Channel							
4884.000	46.66	horizontal	-2.30	44.36	74.00	-29.64	Peak
4884.000	47.70	vertical	-2.30	45.40	74.00	-28.60	Peak
1062.000	60.93	horizontal	-8.02	52.91	74.00	-21.09	Peak

1056.000	43.99	vertical	-8.04	35.95	54.00	-18.05	Average
1056.000	64.10	vertical	-8.04	56.06	74.00	-17.94	Peak
High Channel							
4944.000	47.23	horizontal	-2.18	45.05	74.00	-28.95	Peak
4944.000	47.83	vertical	-2.18	45.65	74.00	-28.35	Peak
1061.000	60.95	horizontal	-8.03	52.92	74.00	-21.08	Peak
1048.000	44.14	vertical	-8.06	36.08	54.00	-17.92	Average
1048.000	64.22	vertical	-8.06	56.16	74.00	-17.84	Peak
802.11n20							
Low Channel							
4824.000	47.30	horizontal	-2.75	44.55	74.00	-29.45	Peak
4824.000	47.49	vertical	-2.75	44.74	74.00	-29.26	Peak
1059.000	60.43	horizontal	-8.03	52.40	74.00	-21.60	Peak
1062.000	42.66	vertical	-8.02	34.64	54.00	-19.36	Average
1062.000	62.75	vertical	-8.02	54.73	74.00	-19.27	Peak
Middle Channel							
4884.000	47.08	horizontal	-2.30	44.78	74.00	-29.22	Peak
4884.000	47.63	vertical	-2.30	45.33	74.00	-28.67	Peak
1052.000	60.63	horizontal	-8.05	52.58	74.00	-21.42	Peak
1057.000	61.95	vertical	-8.04	53.91	74.00	-20.09	Peak
High Channel							
4944.000	47.08	horizontal	-2.18	44.90	74.00	-29.10	Peak
4944.000	47.33	vertical	-2.18	45.15	74.00	-28.85	Peak
1063.000	42.88	horizontal	-8.01	34.87	54.00	-19.13	Average
1063.000	62.78	horizontal	-8.01	54.77	74.00	-19.23	Peak
1054.000	43.77	vertical	-8.04	35.73	54.00	-18.27	Average
1054.000	62.44	vertical	-8.04	54.40	74.00	-19.60	Peak
802.11n40							
Low Channel							
4844.000	46.55	horizontal	-2.63	43.92	74.00	-30.08	Peak
4844.000	46.44	vertical	-2.63	43.81	74.00	-30.19	Peak
1057.000	60.48	horizontal	-8.04	52.44	74.00	-21.56	Peak
1061.000	42.56	vertical	-8.03	34.53	54.00	-19.47	Average
1061.000	62.90	vertical	-8.03	54.87	74.00	-19.13	Peak
Middle Channel							
4884.000	47.30	horizontal	-2.30	45.00	74.00	-29.00	Peak
4884.000	46.13	vertical	-2.30	43.83	74.00	-30.17	Peak
1065.000	60.35	horizontal	-8.01	52.34	74.00	-21.66	Peak

1064.000	62.81	vertical	-8.01	54.80	74.00	-19.20	Peak
1064.000	45.23	vertical	-8.01	37.22	54.00	-16.78	Average
High Channel							
4924.000	47.16	horizontal	-2.17	44.99	74.00	-29.01	Peak
4924.000	47.22	vertical	-2.17	45.05	74.00	-28.95	Peak
1058.000	60.30	horizontal	-8.03	52.27	74.00	-21.73	Peak
1062.000	45.87	vertical	-8.02	37.85	54.00	-16.15	Average
1062.000	62.50	vertical	-8.02	54.48	74.00	-19.52	Peak

Remark:

Corrected Amplitude= Reading level + corrected Factor

Corrected Factor = Antenna factor + Cable loss – Amplifier gain

Margin = Corrected Amplitude – Limit

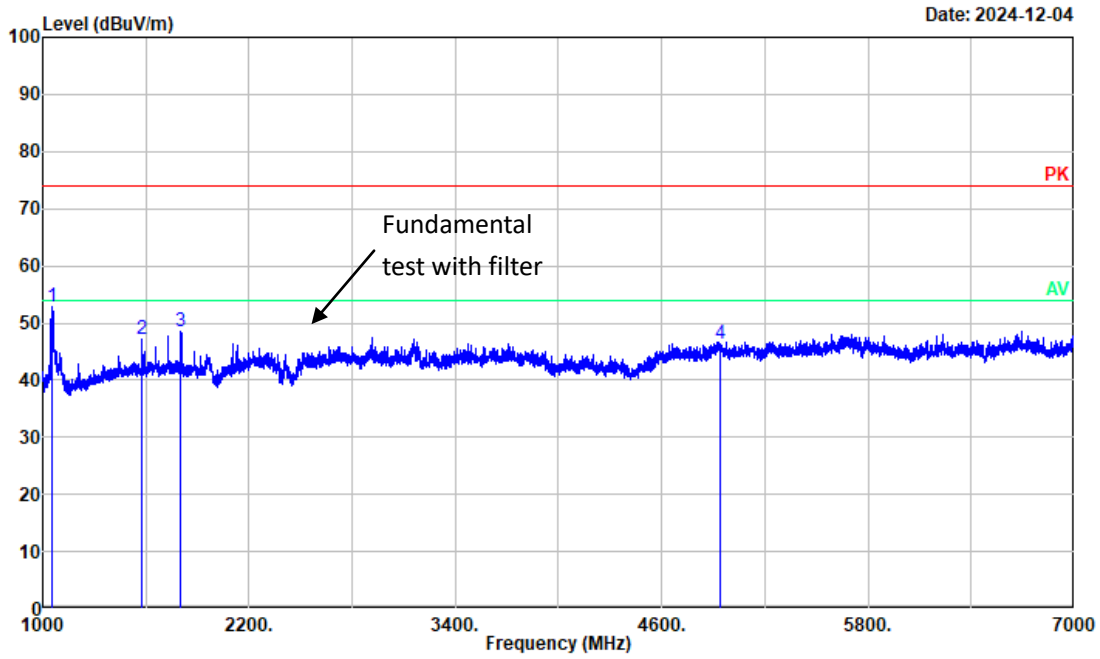
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

The emission levels of other frequencies that were lower than the limit 20dB not show in test report.

For emissions in 18GHz-25GHz range, all emissions were investigated and in the noise floor level.

Test plot for example as below:

Mode:	802.11b	Channel:	2472MHz

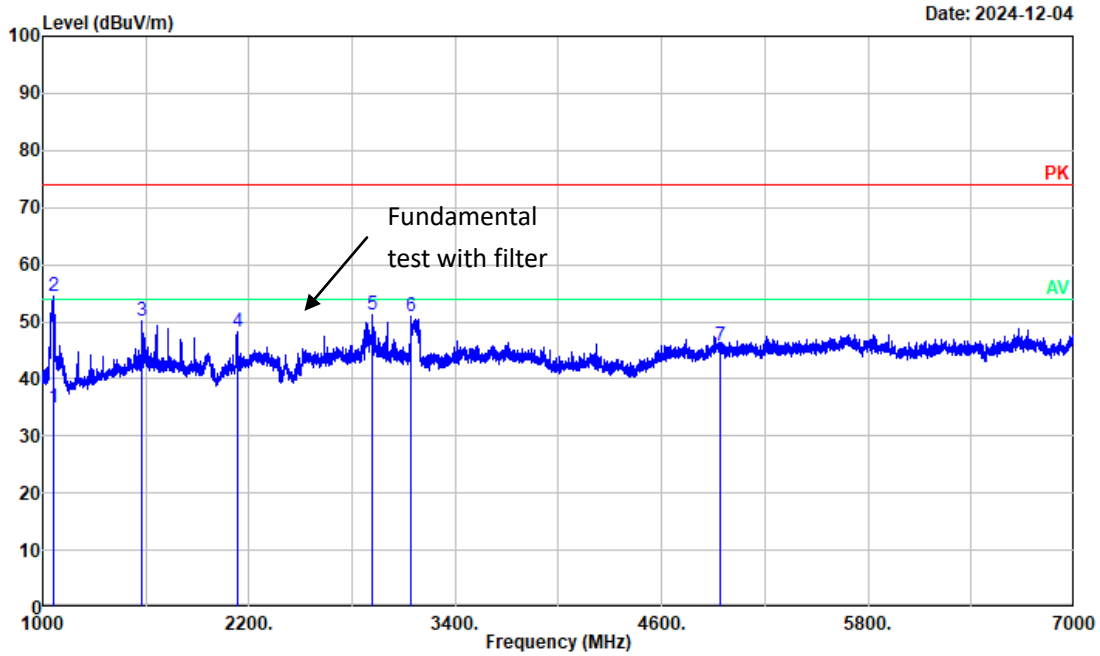


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11b 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1053.000	60.91	-8.04	52.87	74.00	-21.13	Peak
2	1580.000	51.69	-4.62	47.07	74.00	-26.93	Peak
3	1805.000	52.40	-3.99	48.41	74.00	-25.59	Peak
4	4944.000	48.50	-2.18	46.32	74.00	-27.68	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11b	Channel:	2472MHz

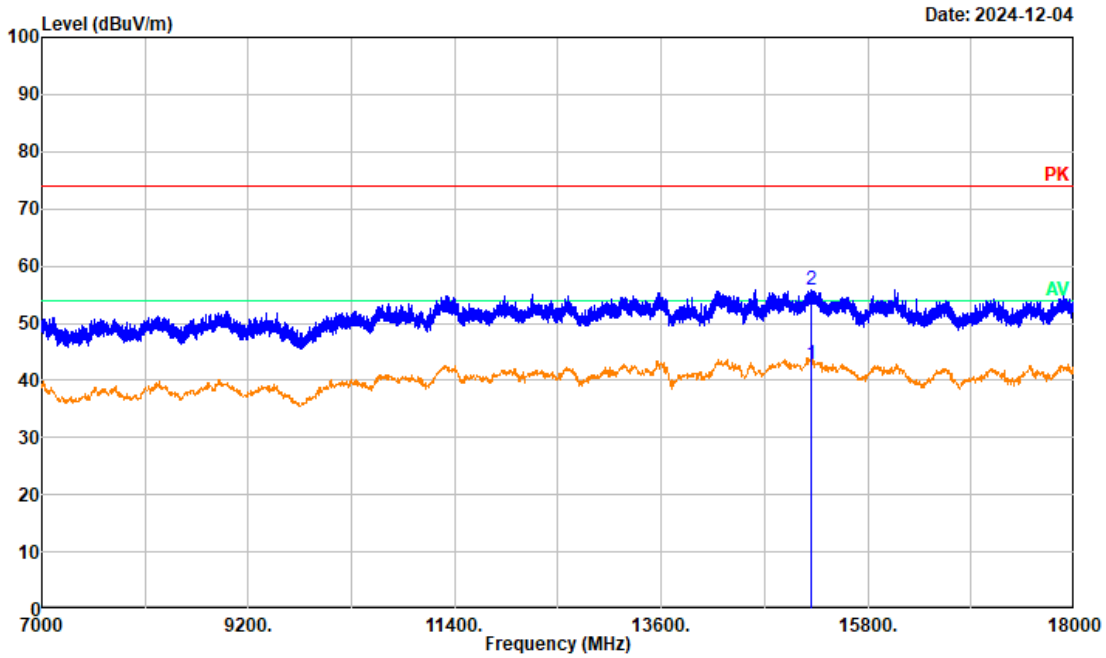


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11b 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1059.000	42.91	-8.03	34.88	54.00	-19.12	Average
2	1059.000	62.55	-8.03	54.52	74.00	-19.48	Peak
3	1580.000	54.67	-4.62	50.05	74.00	-23.95	Peak
4	2133.000	52.35	-4.22	48.13	74.00	-25.87	Peak
5	2917.000	54.17	-2.87	51.30	74.00	-22.70	Peak
6	3144.000	54.13	-3.19	50.94	74.00	-23.06	Peak
7	4944.000	48.06	-2.18	45.88	74.00	-28.12	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11b	Channel:	2472MHz

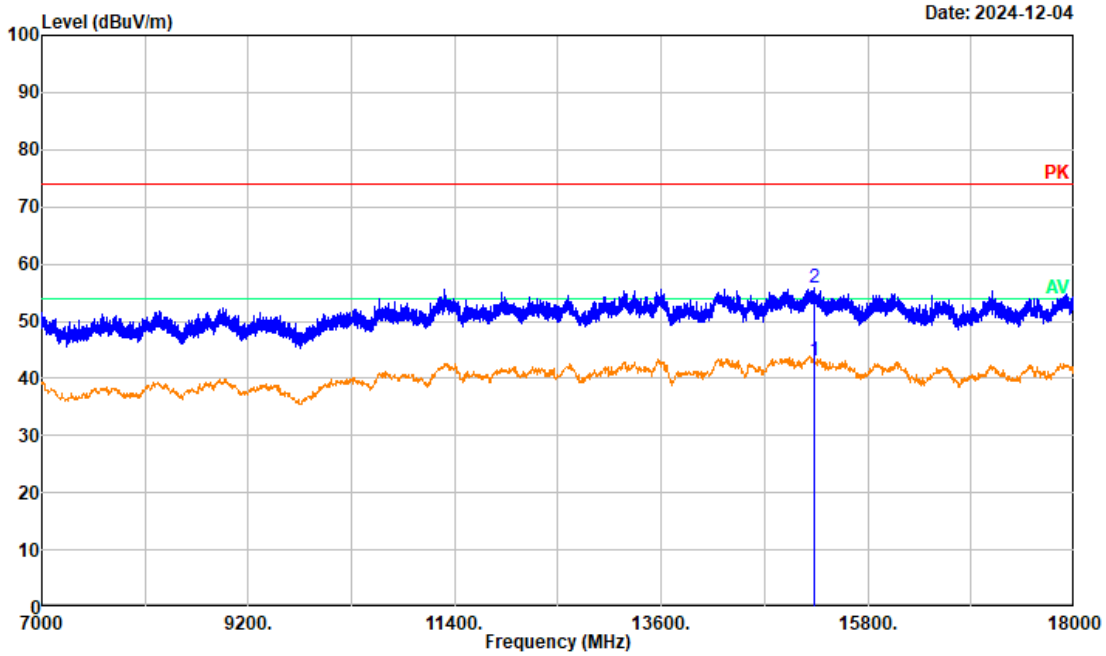


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11b 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15203.000	37.58	5.28	42.86	54.00	-11.14	Average
2	15203.000	50.51	5.28	55.79	74.00	-18.21	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11b	Channel:	2472MHz

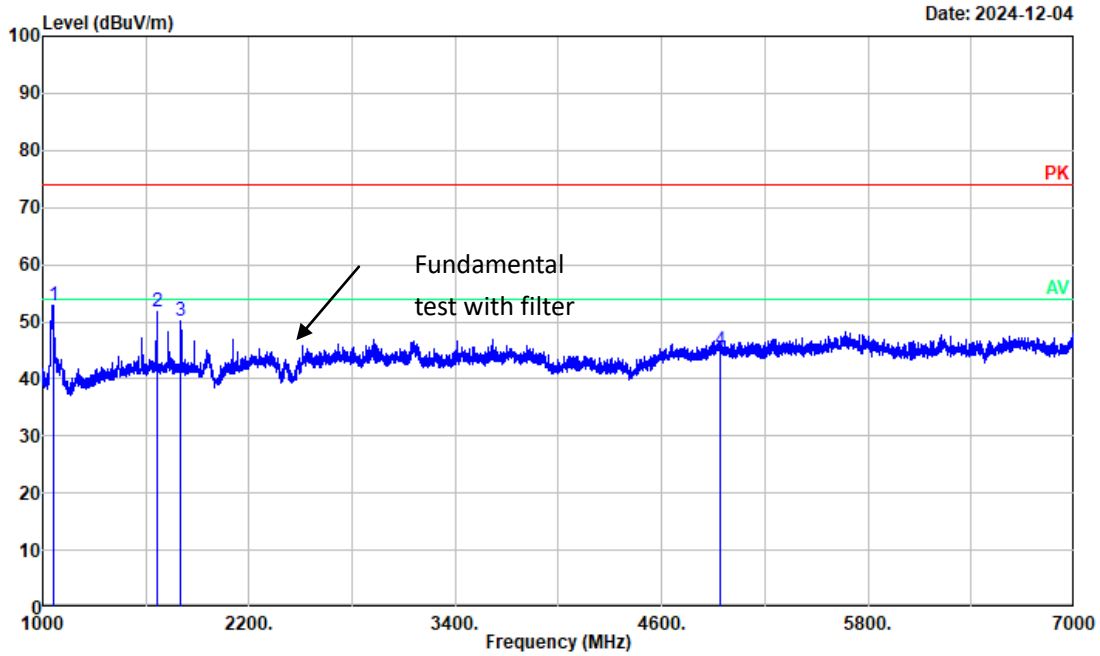


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11b 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15222.000	37.91	5.25	43.16	54.00	-10.84	Average
2	15222.000	50.63	5.25	55.88	74.00	-18.12	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2472MHz

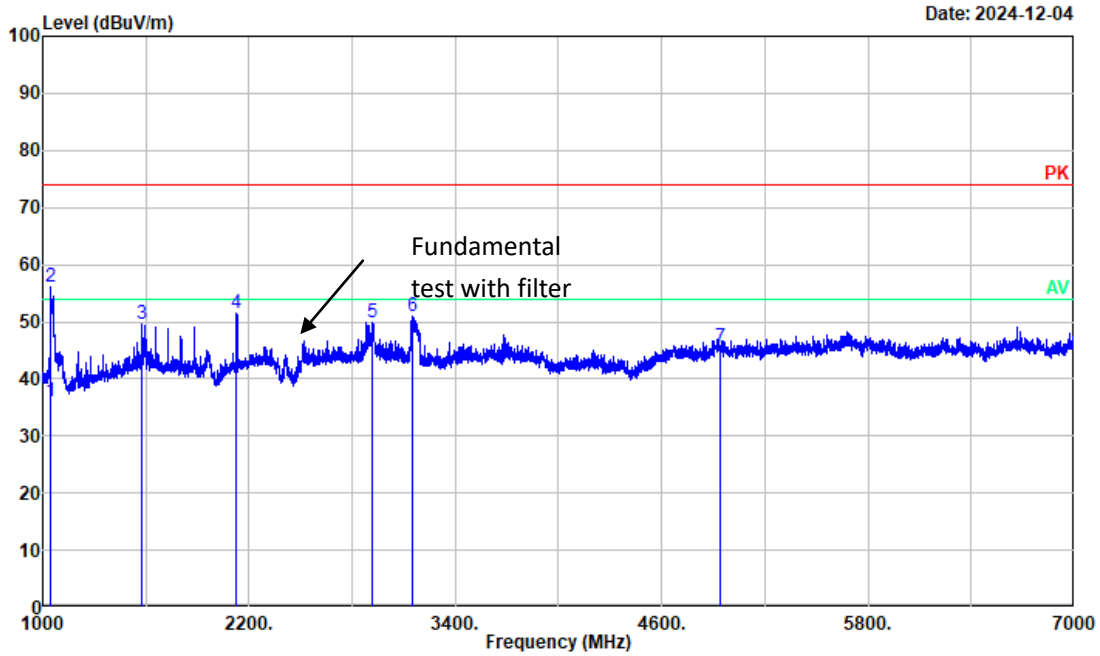


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11g 2472

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1061.000	60.95	-8.03	52.92	74.00	-21.08	Peak
2	1662.000	55.72	-4.04	51.68	74.00	-22.32	Peak
3	1805.000	54.13	-3.99	50.14	74.00	-23.86	Peak
4	4944.000	47.23	-2.18	45.05	74.00	-28.95	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2472MHz

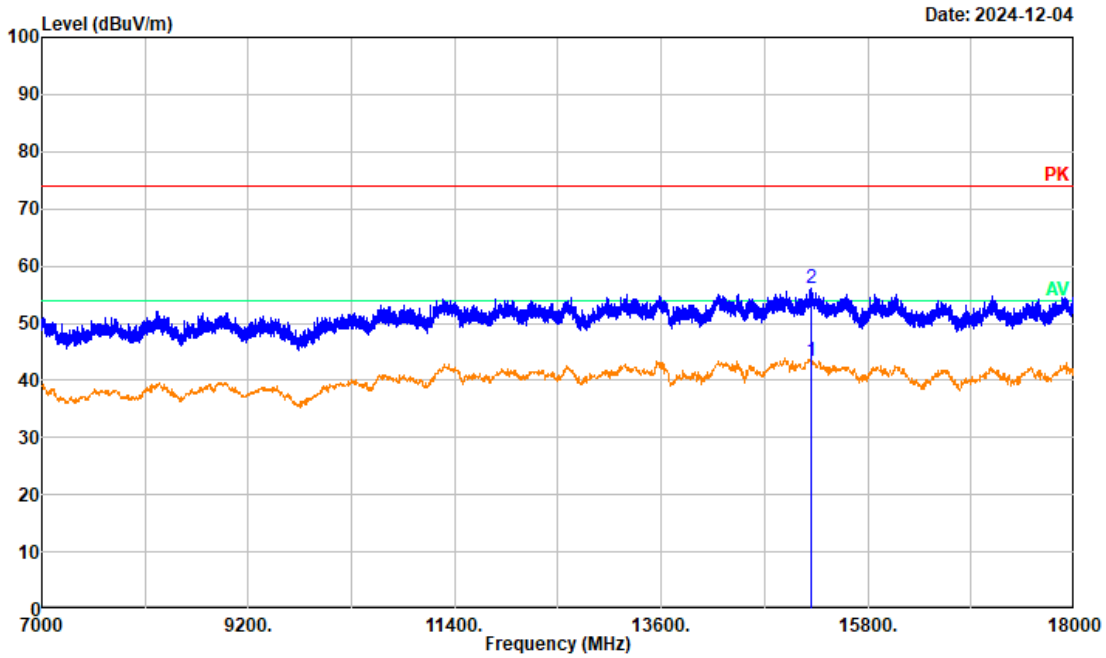


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11g 2472

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1048.000	44.14	-8.06	36.08	54.00	-17.92	Average
2	1048.000	64.22	-8.06	56.16	74.00	-17.84	Peak
3	1580.000	54.20	-4.62	49.58	74.00	-24.42	Peak
4	2124.000	55.76	-4.26	51.50	74.00	-22.50	Peak
5	2916.000	52.85	-2.87	49.98	74.00	-24.02	Peak
6	3152.000	54.03	-3.18	50.85	74.00	-23.15	Peak
7	4944.000	47.83	-2.18	45.65	74.00	-28.35	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2472MHz

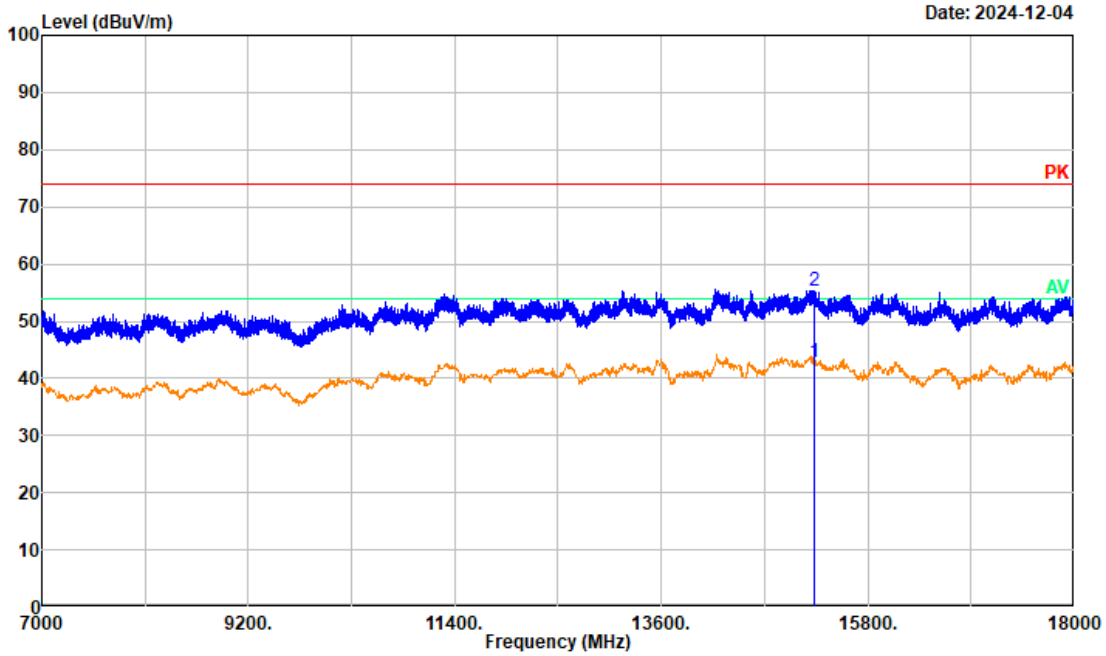


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11g 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15193.000	37.99	5.27	43.26	54.00	-10.74	Average
2	15193.000	50.73	5.27	56.00	74.00	-18.00	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2472MHz

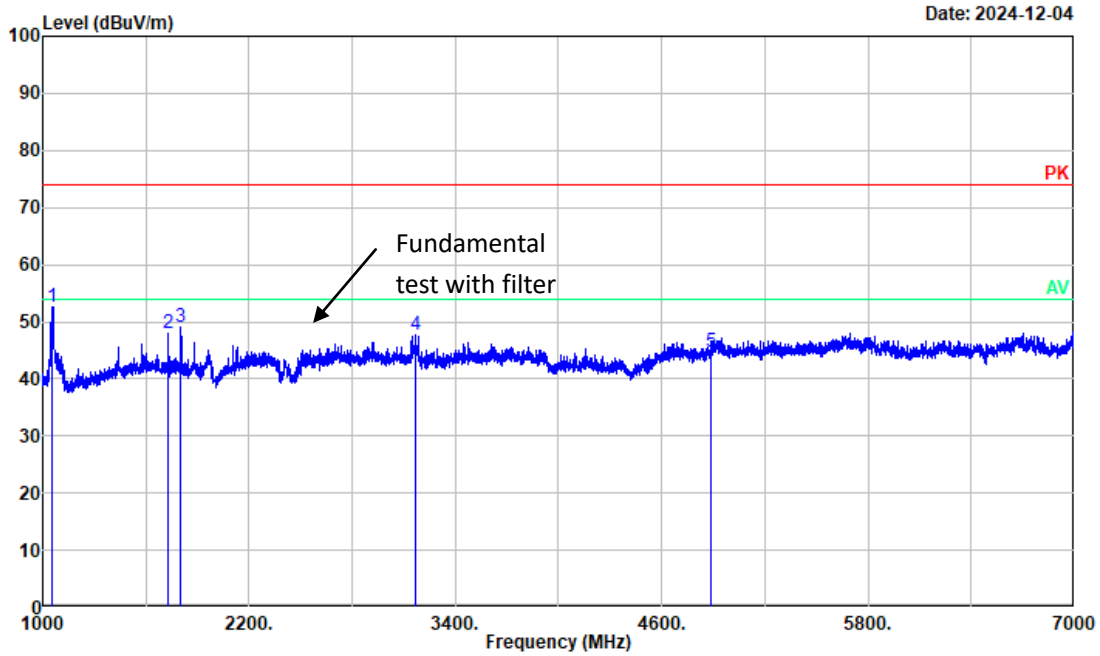


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11g 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15236.000	37.66	5.23	42.89	54.00	-11.11	Average
2	15236.000	50.11	5.23	55.34	74.00	-18.66	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2442MHz

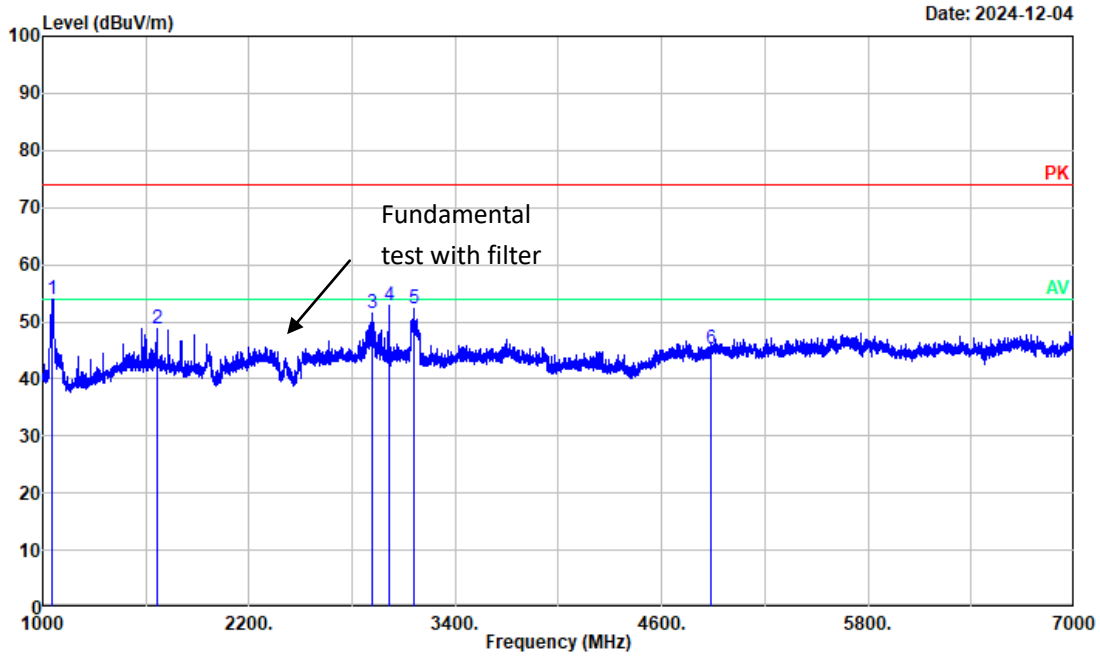


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n20 2442

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1052.000	60.63	-8.05	52.58	74.00	-21.42	Peak
2	1730.000	51.84	-3.89	47.95	74.00	-26.05	Peak
3	1805.000	53.06	-3.99	49.07	74.00	-24.93	Peak
4	3170.000	50.85	-3.17	47.68	74.00	-26.32	Peak
5	4884.000	47.08	-2.30	44.78	74.00	-29.22	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2442MHz

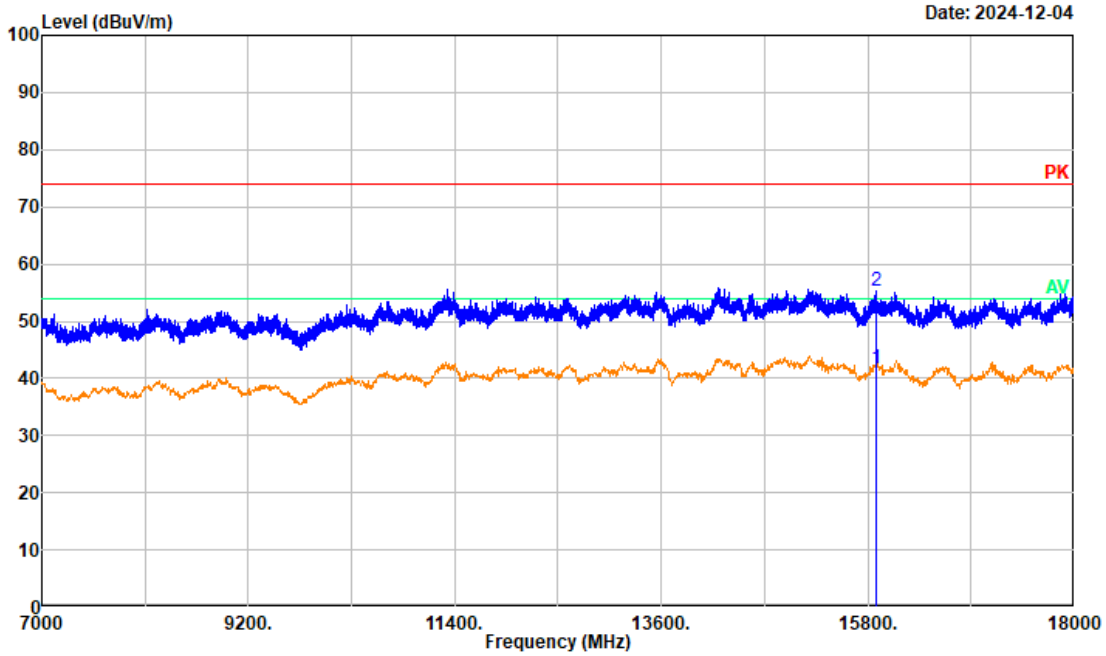


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n20 2442

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1057.000	61.95	-8.04	53.91	74.00	-20.09	Peak
2	1664.000	52.80	-4.03	48.77	74.00	-25.23	Peak
3	2920.000	54.37	-2.88	51.49	74.00	-22.51	Peak
4	3015.000	55.81	-3.08	52.73	74.00	-21.27	Peak
5	3156.000	55.41	-3.18	52.23	74.00	-21.77	Peak
6	4884.000	47.63	-2.30	45.33	74.00	-28.67	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2442MHz

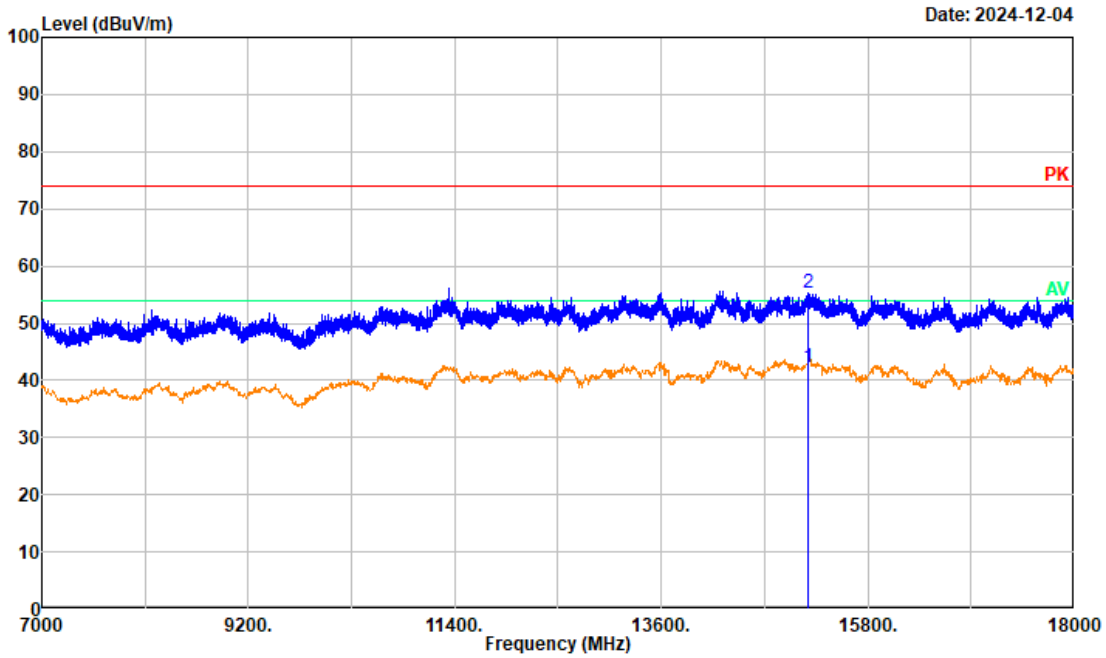


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n20 2442

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15882.000	37.02	4.79	41.81	54.00	-12.19	Average
2	15882.000	50.38	4.79	55.17	74.00	-18.83	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2442MHz

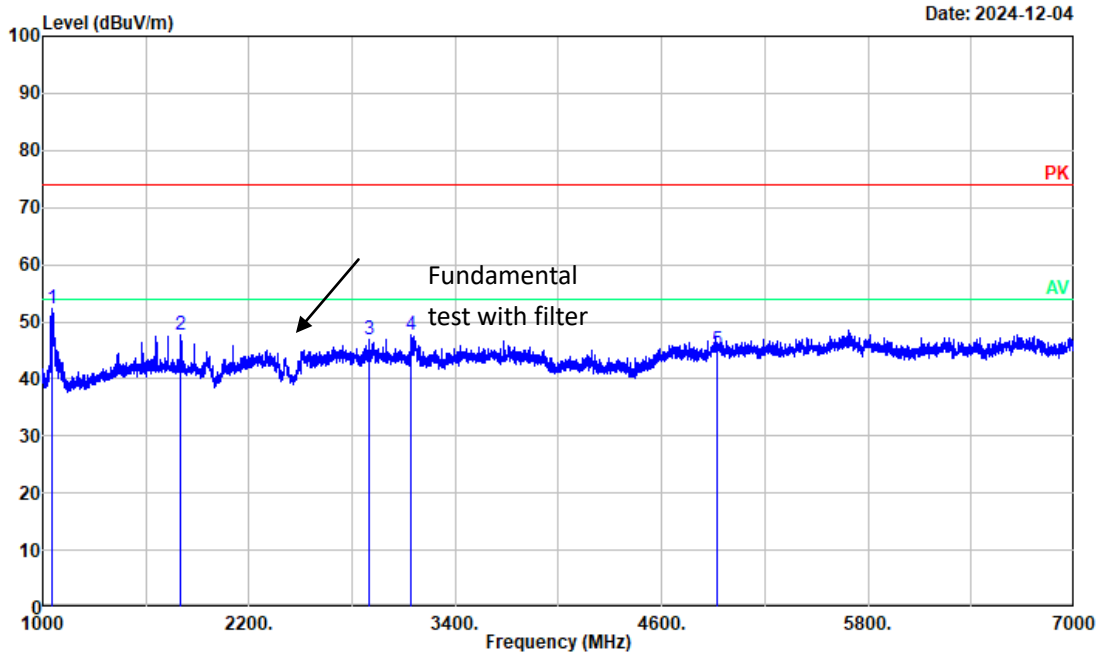


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n20 2442

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15160.000	37.05	5.21	42.26	54.00	-11.74	Average
2	15160.000	50.02	5.21	55.23	74.00	-18.77	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2462MHz

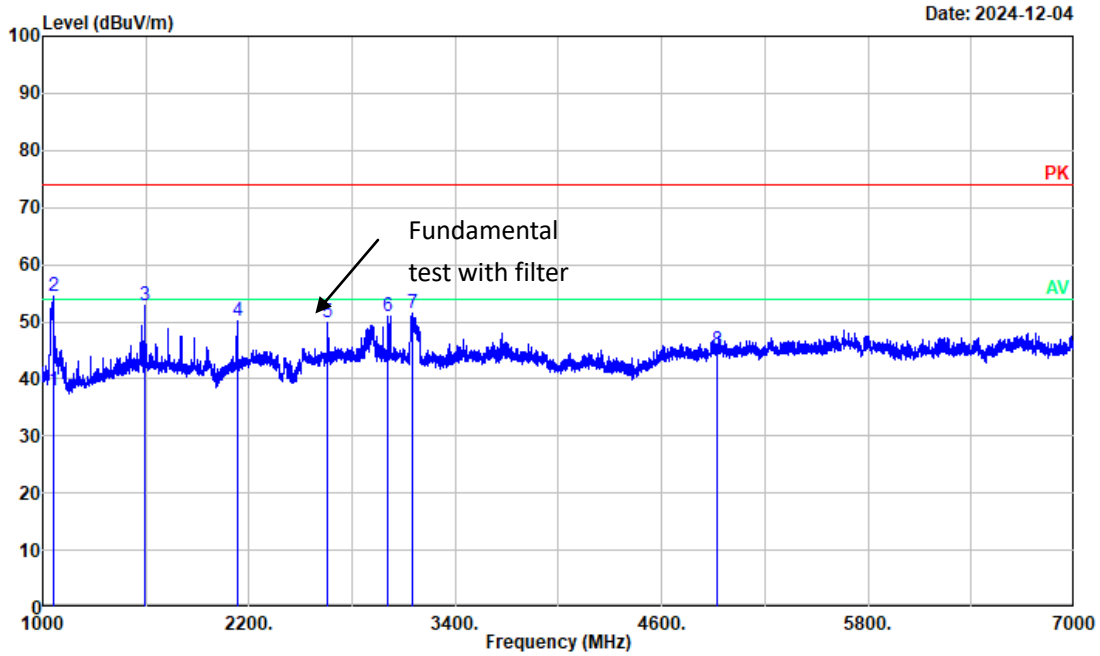


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n40 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1058.000	60.30	-8.03	52.27	74.00	-21.73	Peak
2	1805.000	51.71	-3.99	47.72	74.00	-26.28	Peak
3	2896.000	49.62	-2.81	46.81	74.00	-27.19	Peak
4	3143.000	50.91	-3.19	47.72	74.00	-26.28	Peak
5	4924.000	47.16	-2.17	44.99	74.00	-29.01	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2462MHz

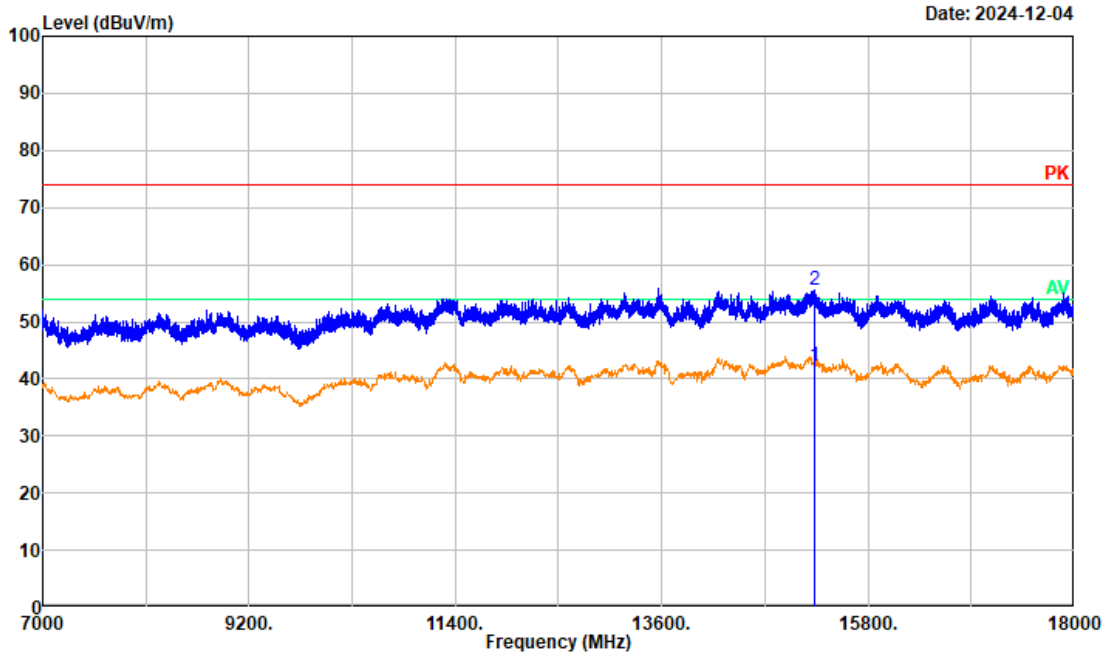


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n40 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1062.000	45.87	-8.02	37.85	54.00	-16.15	Average
2	1062.000	62.50	-8.02	54.48	74.00	-19.52	Peak
3	1596.000	57.36	-4.48	52.88	74.00	-21.12	Peak
4	2132.000	54.47	-4.22	50.25	74.00	-23.75	Peak
5	2659.000	52.69	-2.70	49.99	74.00	-24.01	Peak
6	3005.000	53.98	-3.04	50.94	74.00	-23.06	Peak
7	3154.000	54.64	-3.19	51.45	74.00	-22.55	Peak
8	4924.000	47.22	-2.17	45.05	74.00	-28.95	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2462MHz

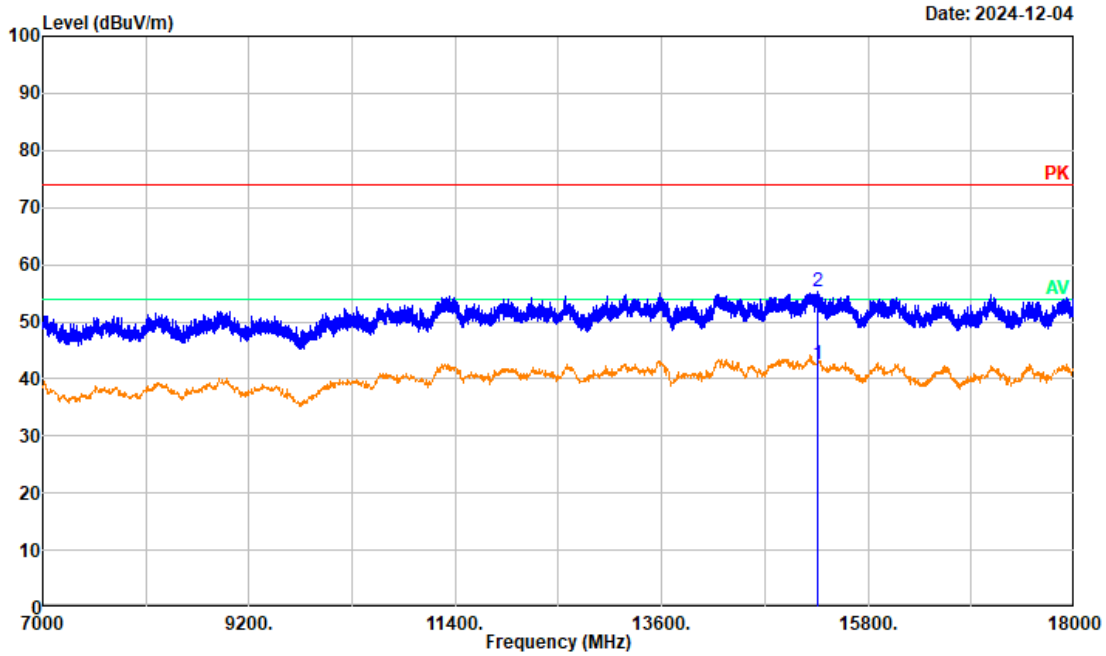


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n40 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15223.000	37.13	5.24	42.37	54.00	-11.63	Average
2	15223.000	50.26	5.24	55.50	74.00	-18.50	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2462MHz

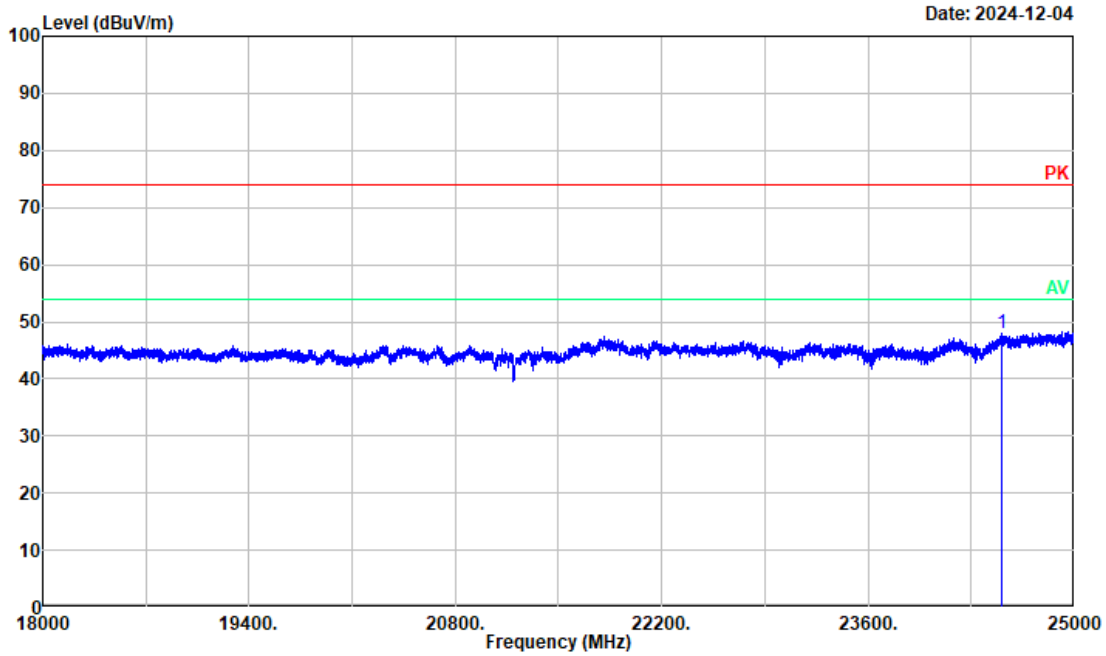


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n40 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15256.000	37.44	5.20	42.64	54.00	-11.36	Average
2	15256.000	50.09	5.20	55.29	74.00	-18.71	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2472MHz

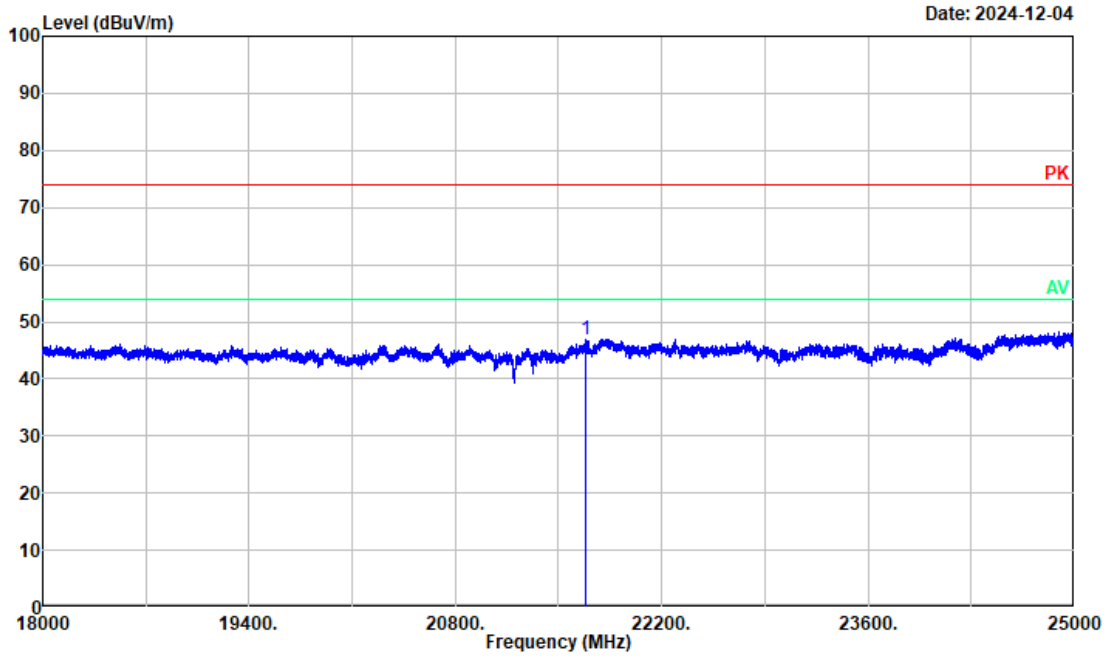


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : Horizontal
Remark : 802.11n20 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	24511.830	53.64	-5.69	47.95	74.00	-26.05	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain - Distance extrapolate factor
Distance extrapolate factor = 20*log(specified distance/measured distance)
Specified distance = 3 meters, measured distance = 1.5 meters
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2472MHz



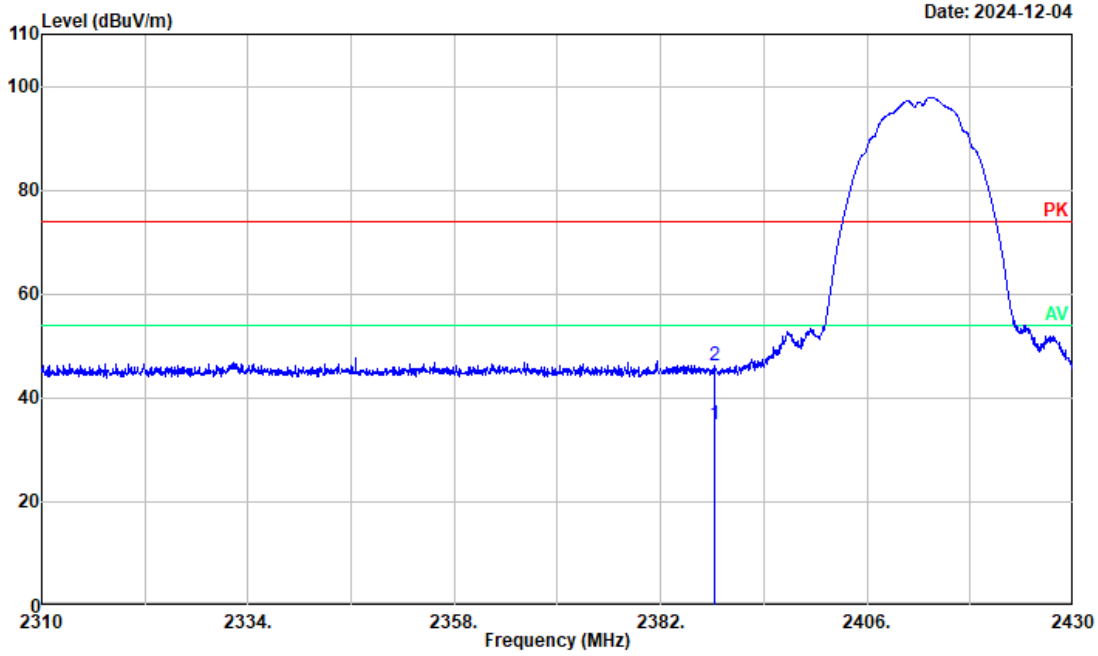
Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : Vertical
Remark : 802.11n20 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	21686.260	54.09	-7.13	46.96	74.00	-27.04	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain - Distance extrapolate factor
Distance extrapolate factor = 20*log(specified distance/measured distance)
Specified distance = 3 meters, measured distance = 1.5 meters
Result = Reading + Factor
Over Limit = Result - Limit

Radiated Band edge:

Mode:	802.11b	Channel:	2412MHz

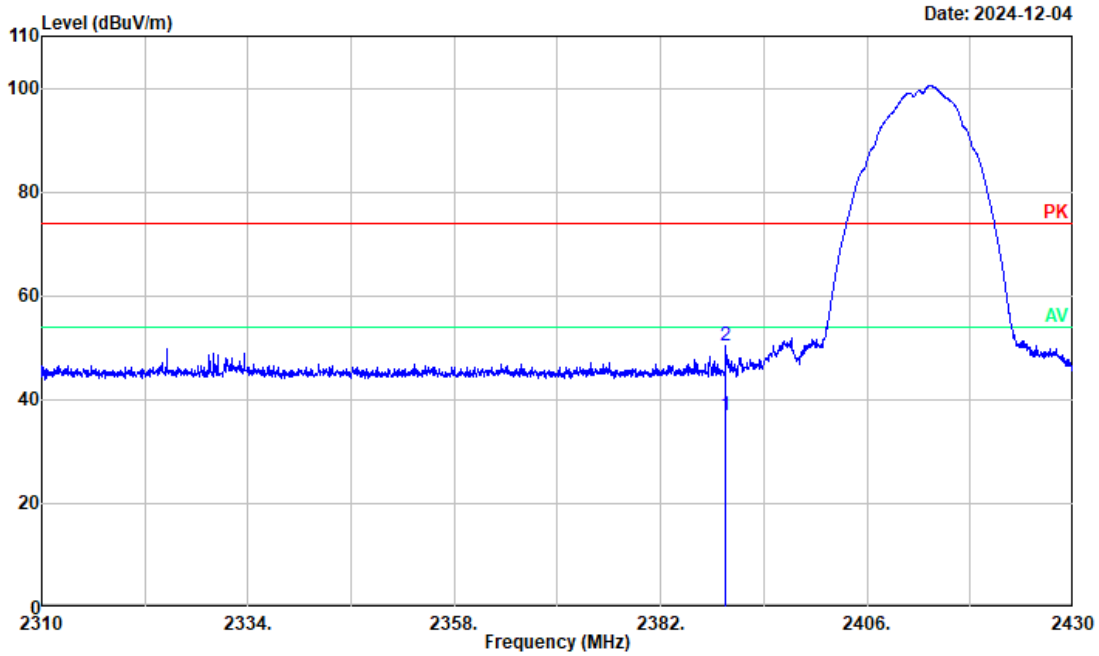


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11b 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2388.339	37.96	-3.18	34.78	54.00	-19.22	Average
2	2388.339	49.50	-3.18	46.32	74.00	-27.68	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11b	Channel:	2412MHz

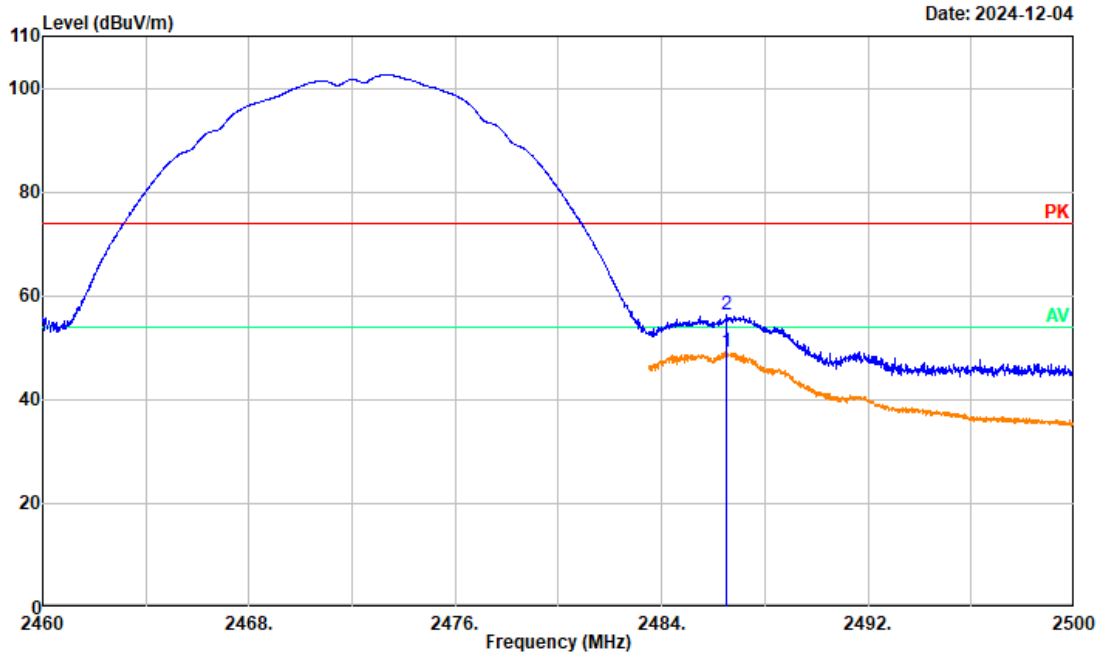


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11b 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.600	40.03	-3.18	36.85	54.00	-17.15	Average
2	2389.600	53.51	-3.18	50.33	74.00	-23.67	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11b	Channel:	2472MHz

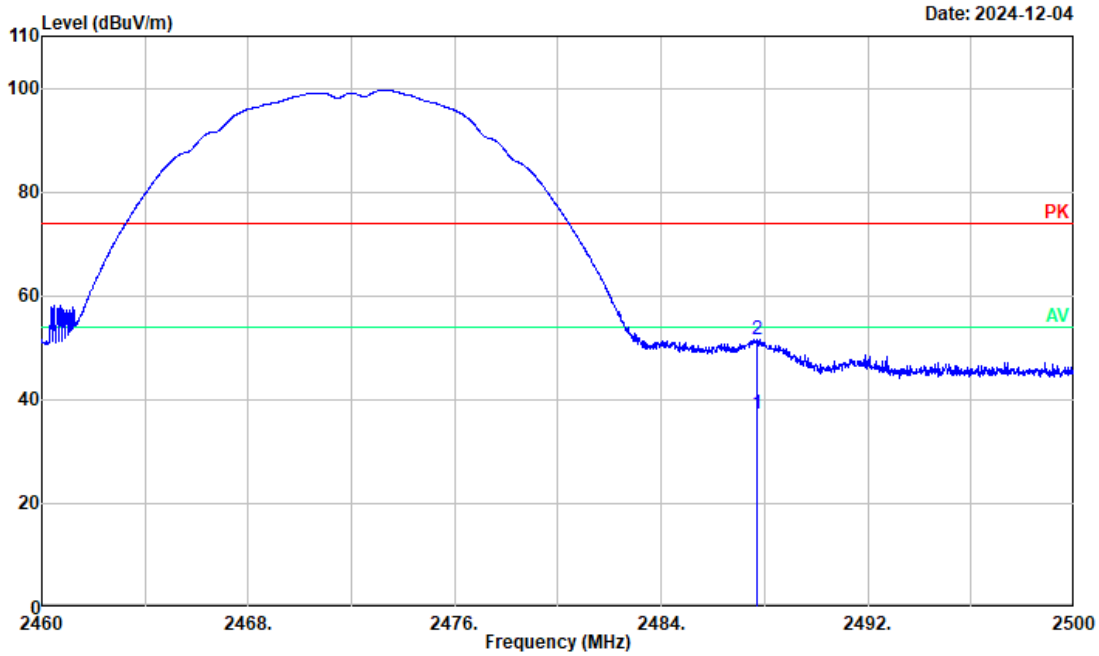


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11b 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2486.533	52.08	-2.97	49.11	54.00	-4.89	Average
2	2486.533	59.23	-2.97	56.26	74.00	-17.74	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11b	Channel:	2472MHz

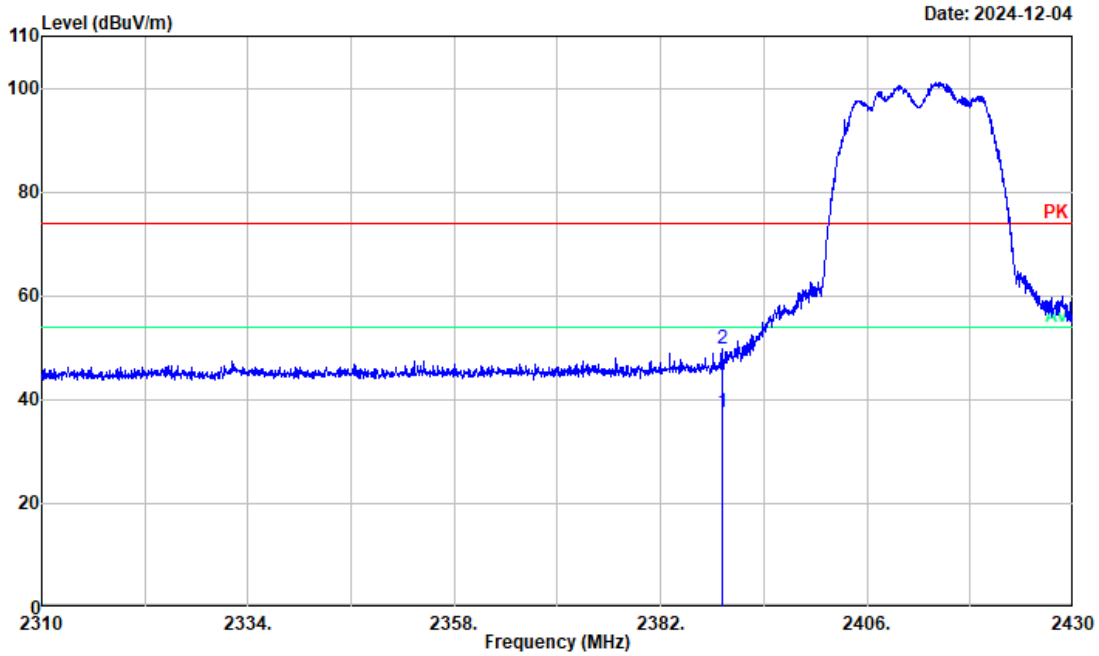


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11b 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2487.694	40.23	-2.96	37.27	54.00	-16.73	Average
2	2487.694	54.60	-2.96	51.64	74.00	-22.36	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2412MHz

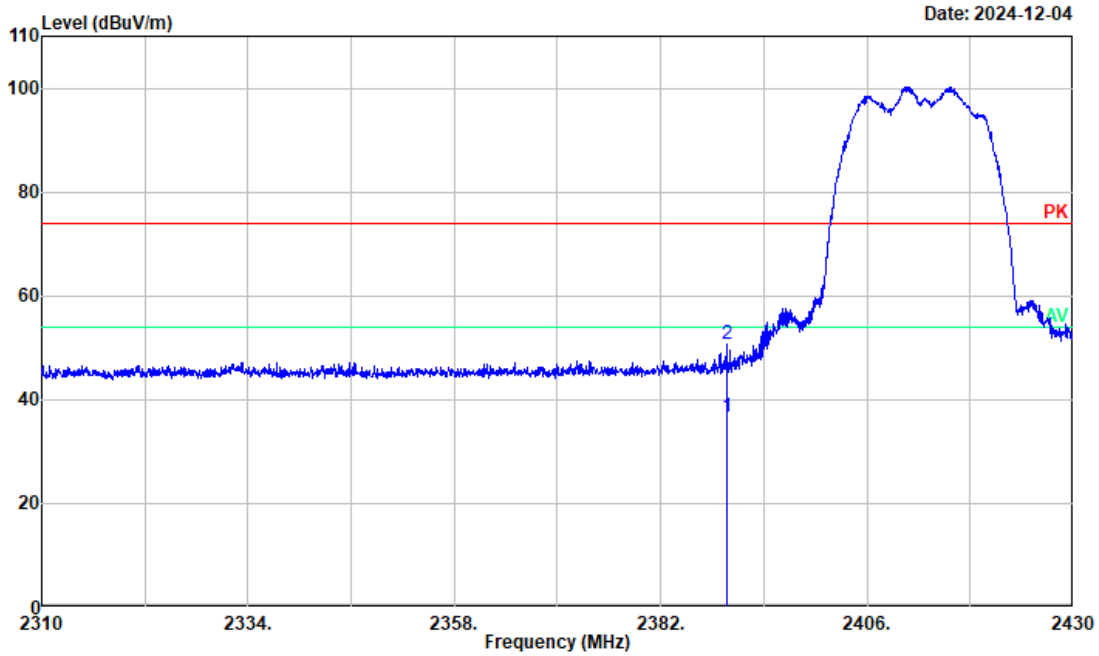


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.240	40.62	-3.18	37.44	54.00	-16.56	Average
2	2389.240	52.87	-3.18	49.69	74.00	-24.31	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2412MHz

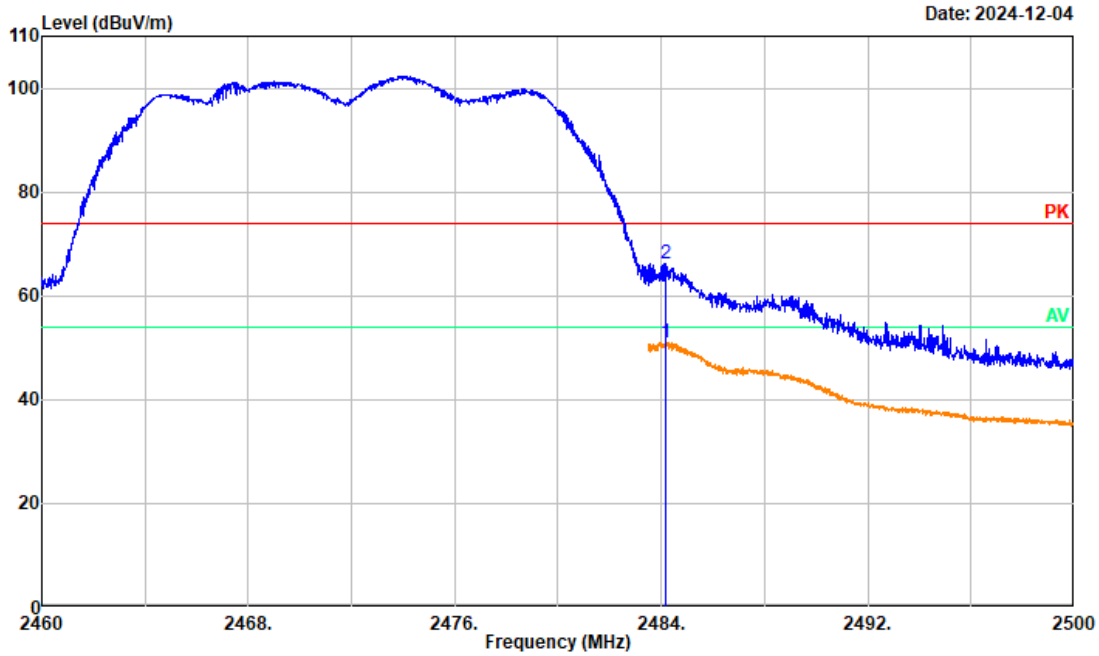


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.660	39.92	-3.18	36.74	54.00	-17.26	Average
2	2389.660	53.92	-3.18	50.74	74.00	-23.26	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2472MHz

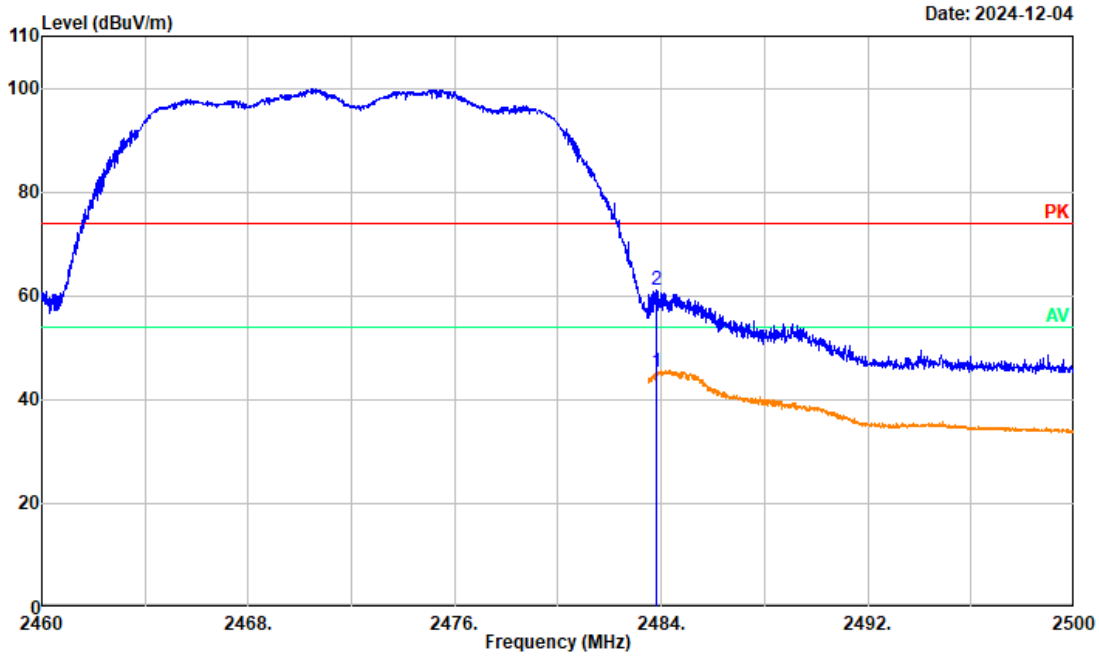


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11g 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2484.172	54.09	-2.98	51.11	54.00	-2.89	Average
2	2484.172	69.18	-2.98	66.20	74.00	-7.80	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2472MHz

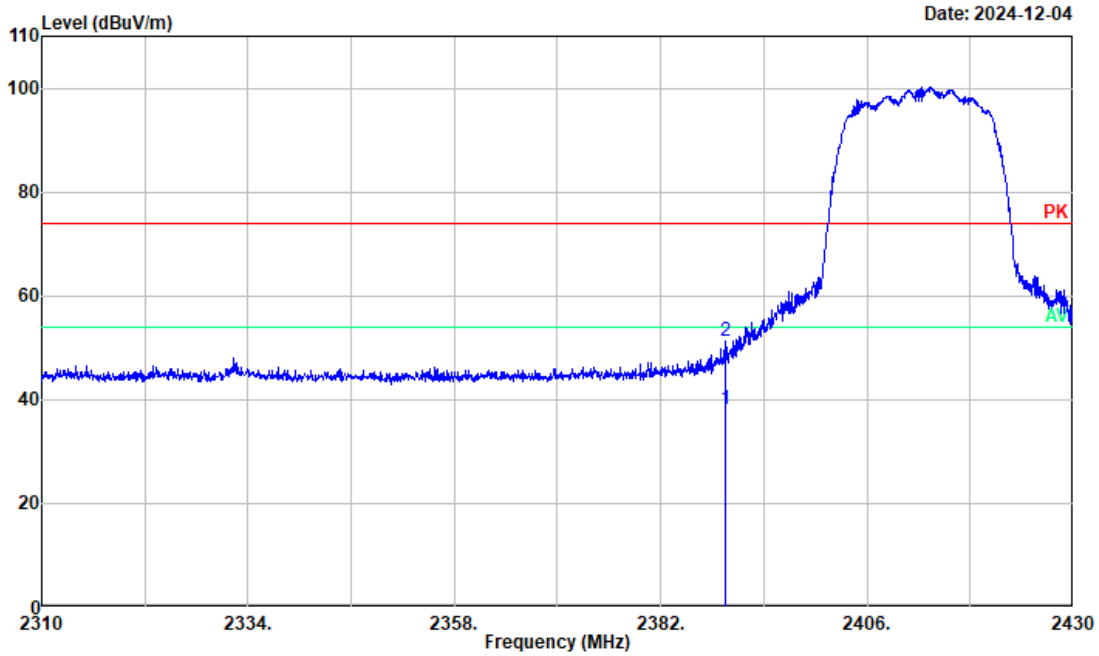


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11g 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.812	48.25	-2.98	45.27	54.00	-8.73	Average
2	2483.812	63.95	-2.98	60.97	74.00	-13.03	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2412MHz

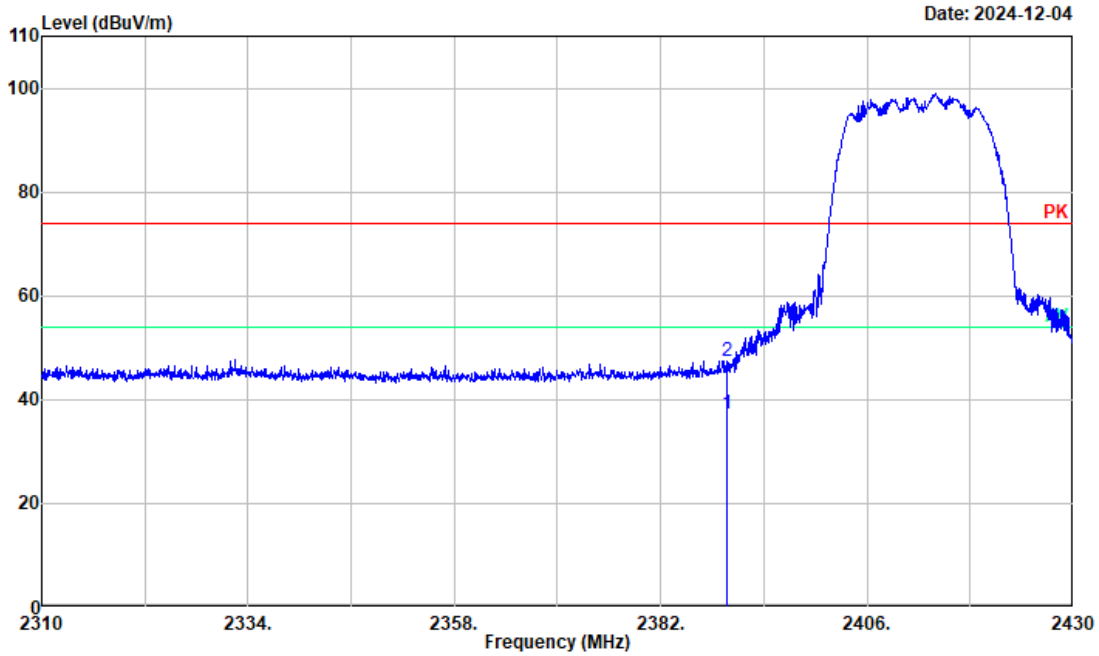


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n20 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.480	41.39	-3.18	38.21	54.00	-15.79	Average
2	2389.480	54.33	-3.18	51.15	74.00	-22.85	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2412MHz

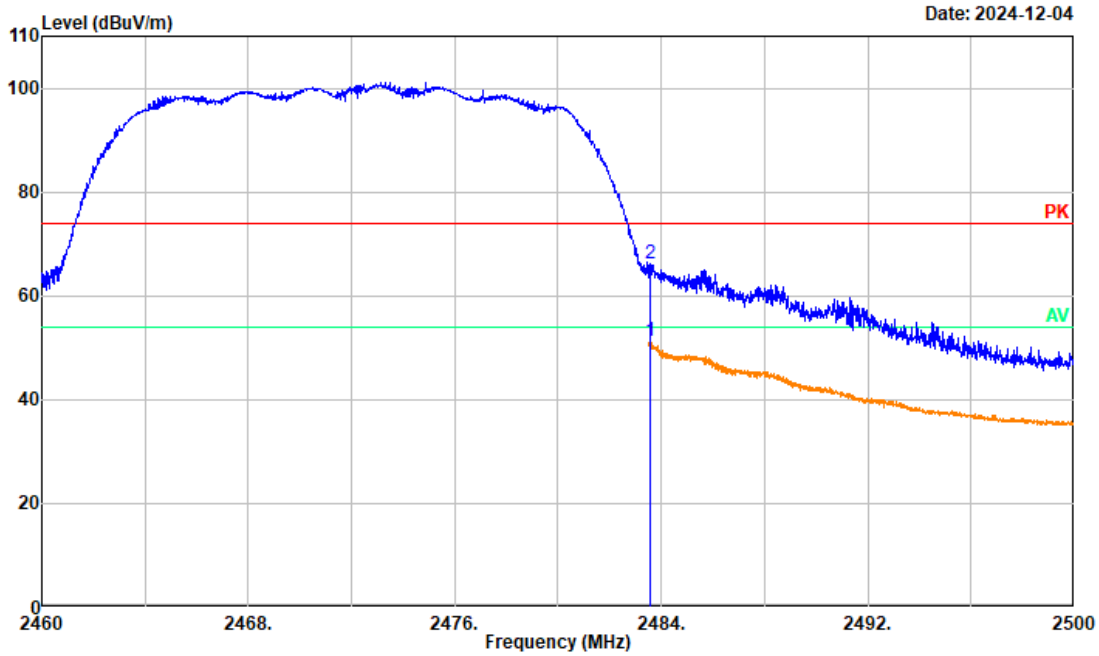


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n20 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2389.720	40.48	-3.18	37.30	54.00	-16.70	Average
2	2389.720	50.66	-3.18	47.48	74.00	-26.52	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2472MHz

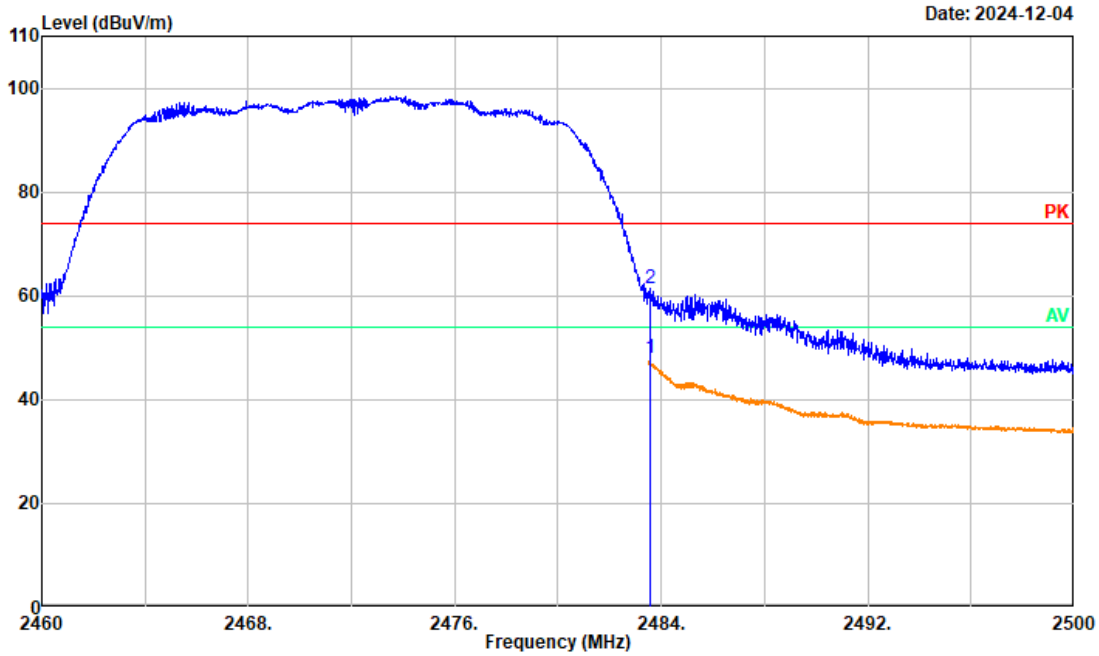


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n20 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.572	54.11	-2.98	51.13	54.00	-2.87	Average
2	2483.572	69.17	-2.98	66.19	74.00	-7.81	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n20	Channel:	2472MHz

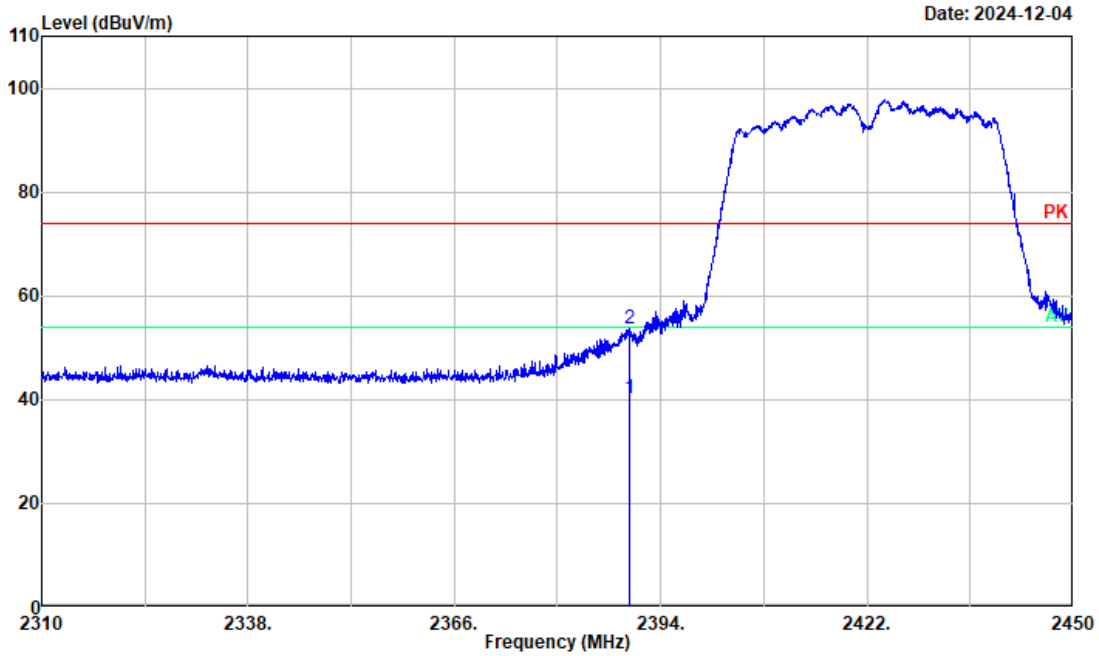


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n20 2472

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.572	50.99	-2.98	48.01	54.00	-5.99	Average
2	2483.572	64.49	-2.98	61.51	74.00	-12.49	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2412MHz

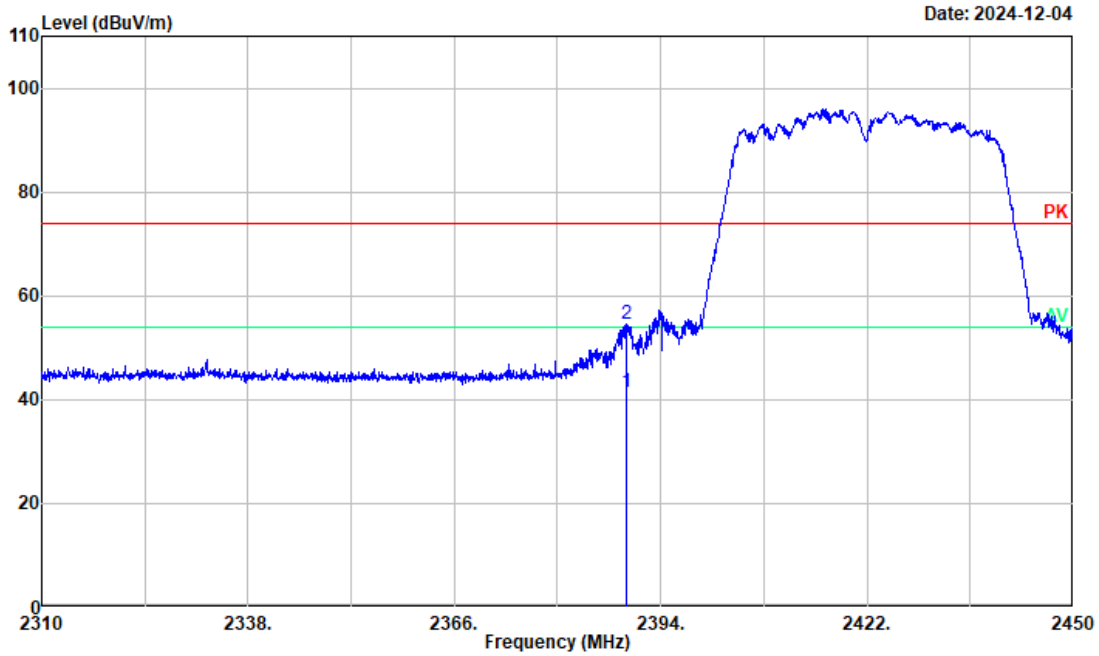


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n40 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.700	43.30	-3.18	40.12	54.00	-13.88	Average
2	2389.700	56.77	-3.18	53.59	74.00	-20.41	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2412MHz

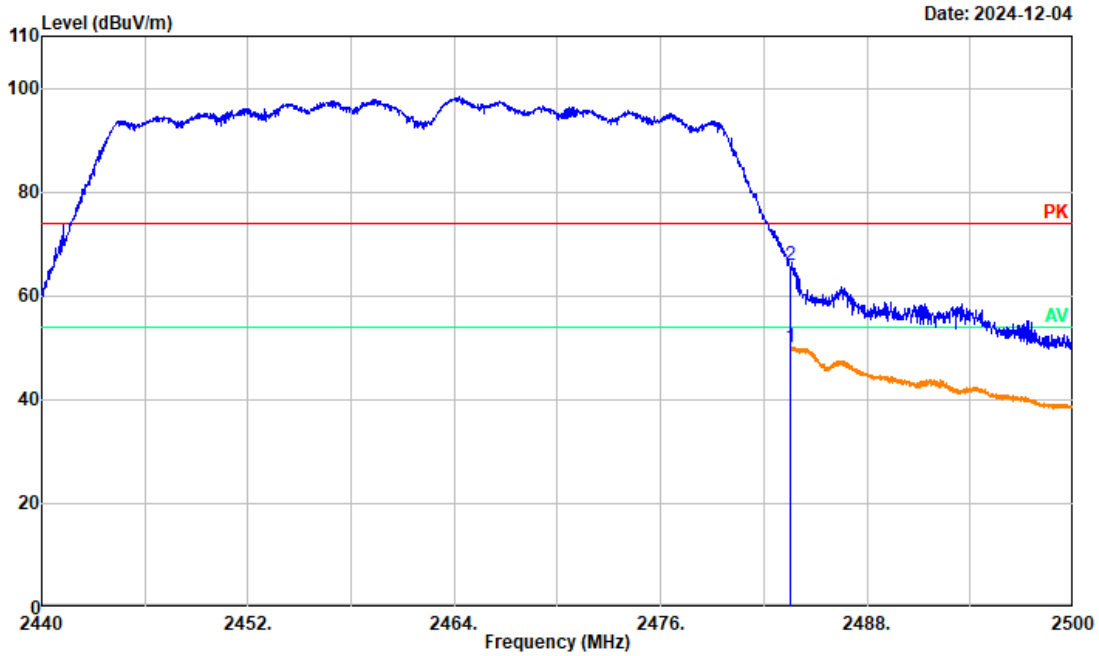


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n40 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.420	44.65	-3.18	41.47	54.00	-12.53	Average
2	2389.420	57.68	-3.18	54.50	74.00	-19.50	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2462MHz

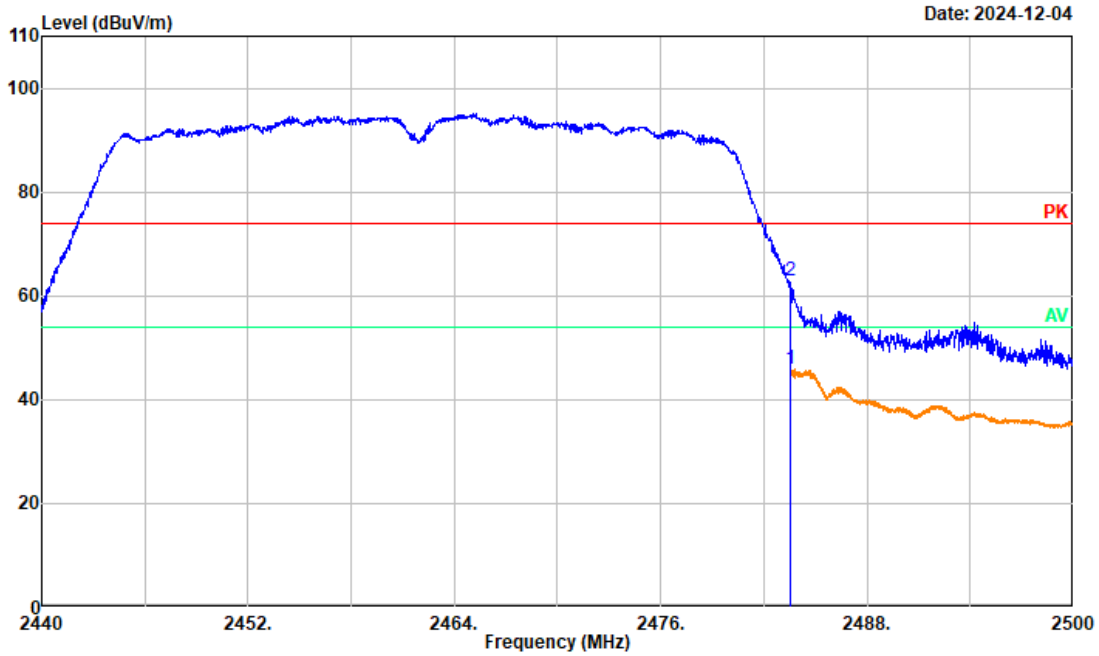


Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n40 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.500	53.00	-2.98	50.02	54.00	-3.98	Average
2	2483.500	68.86	-2.98	65.88	74.00	-8.12	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2462MHz



Project No. : 2405W66906E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.1℃/36%R.H./101.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n40 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.500	48.85	-2.98	45.87	54.00	-8.13	Average
2	2483.500	65.91	-2.98	62.93	74.00	-11.07	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

3.5 RF Conducted Test Data

Test Date:	2024-08-30~2024-12-20	Test By:	Ryan Zhang
Environment condition:	Temperature: 24.1~25.3°C; Relative Humidity:46~60%; ATM Pressure: 99.8~101.1kPa		

3.5.1 6dB Emission Bandwidth

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Chain 0	2412	8.168	≥0.5	Pass
		2442	9.089	≥0.5	Pass
		2472	9.169	≥0.5	Pass
	Chain 1	2412	9.129	≥0.5	Pass
		2442	9.089	≥0.5	Pass
		2472	9.129	≥0.5	Pass
802.11g	Chain 0	2412	15.175	≥0.5	Pass
		2442	15.175	≥0.5	Pass
		2472	15.215	≥0.5	Pass
	Chain 1	2412	15.175	≥0.5	Pass
		2442	15.135	≥0.5	Pass
		2472	15.215	≥0.5	Pass
802.11n20	Chain 0	2412	15.175	≥0.5	Pass
		2442	15.175	≥0.5	Pass
		2472	15.175	≥0.5	Pass
	Chain 1	2412	16.376	≥0.5	Pass
		2442	16.376	≥0.5	Pass
		2472	16.376	≥0.5	Pass
802.11n40	Chain 0	2422	35.235	≥0.5	Pass
		2442	35.315	≥0.5	Pass
		2462	35.235	≥0.5	Pass
	Chain 1	2422	35.235	≥0.5	Pass
		2442	35.235	≥0.5	Pass
		2462	35.235	≥0.5	Pass

3.5.2 99% Occupied Bandwidth

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11b	Chain 0	2412	13.360
		2442	13.560
		2472	13.560
	Chain 1	2412	13.440
		2442	13.440
		2472	13.360
802.11g	Chain 0	2412	16.520
		2442	16.480
		2472	16.480
	Chain 1	2412	16.360
		2442	16.360
		2472	16.360
802.11n20	Chain 0	2412	17.560
		2442	17.560
		2472	17.560
	Chain 1	2412	17.560
		2442	17.560
		2472	17.520
802.11n40	Chain 0	2422	36.080
		2442	36.080
		2462	36.080
	Chain 1	2422	36.080
		2442	36.080
		2462	36.000

3.5.3 Maximum Conducted Peak Output Power

Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	Verdict
802.11b	Chain 0	2412	5.82	30	Pass
		2442	6.21	30	Pass
		2472	5.97	30	Pass
	Chain 1	2412	5.97	30	Pass
		2442	6.00	30	Pass
		2472	5.92	30	Pass
	Chain 0+ Chain 1	2412	8.91	30	Pass
		2442	9.12	30	Pass
		2472	8.96	30	Pass
802.11g	Chain 0	2412	11.61	30	Pass
		2442	11.64	30	Pass
		2472	11.76	30	Pass
	Chain 1	2412	12.88	30	Pass
		2442	11.83	30	Pass
		2472	11.90	30	Pass
	Chain 0+ Chain 1	2412	15.30	30	Pass
		2442	14.75	30	Pass
		2472	14.84	30	Pass
802.11n20	Chain 0	2412	13.16	30	Pass
		2442	13.29	30	Pass
		2472	13.45	30	Pass
	Chain 1	2412	13.40	30	Pass
		2442	13.36	30	Pass
		2472	13.48	30	Pass
	Chain 0+Chain 1	2412	16.29	30	Pass
		2442	16.33	30	Pass
		2472	16.48	30	Pass
802.11n40	Chain 0	2422	11.50	30	Pass
		2442	11.78	30	Pass
		2462	12.04	30	Pass
	Chain 1	2422	11.16	30	Pass

Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	Verdict
		2442	11.38	30	Pass
		2462	11.58	30	Pass
	Chain 0+Chain 1	2422	14.35	30	Pass
		2442	14.60	30	Pass
		2462	14.83	30	Pass

Note:

The device employ CDD for MIMO mode, according to KDB 662911 D01 Multiple Transmitter Output v02r01, Directional gain = G_{ANT} + Array Gain

For power measurements on IEEE 802.11 devices:

Array Gain = 0 dB, for $N_{ANT} \leqslant 4$;

$G_{ANT\,1}$*=2.98dBi,* $G_{ANT\,2}$*=3.14dBi, use the higher antenna gain for calculate*

Directional gain=3.14+0=3.14dBi<6dBi

3.5.4 Power Spectral Density

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	Chain 0	2412	-7.69	7.85	Pass
		2442	-6.47	7.85	Pass
		2472	-6.59	7.85	Pass
	Chain 1	2412	-6.95	7.85	Pass
		2442	-6.86	7.85	Pass
		2472	-6.88	7.85	Pass
	Chain 0+Chain 1	2412	-4.29	7.85	Pass
		2442	-3.65	7.85	Pass
		2472	-3.72	7.85	Pass
802.11g	Chain 0	2412	-24.10	7.85	Pass
		2442	-25.16	7.85	Pass
		2472	-24.98	7.85	Pass
	Chain 1	2412	-23.77	7.85	Pass
		2442	-24.61	7.85	Pass
		2472	-24.93	7.85	Pass
	Chain 0+Chain 1	2412	-20.92	7.85	Pass
		2442	-21.87	7.85	Pass
		2472	-21.94	7.85	Pass
802.11n20	Chain 0	2412	-24.51	7.85	Pass
		2442	-23.97	7.85	Pass
		2472	-23.67	7.85	Pass
	Chain 1	2412	-22.40	7.85	Pass
		2442	-22.96	7.85	Pass
		2472	-22.68	7.85	Pass
	Chain 0+Chain 1	2412	-20.32	7.85	Pass
		2442	-20.43	7.85	Pass
		2472	-20.14	7.85	Pass
802.11n40	Chain 0	2422	-28.56	7.85	Pass
		2442	-28.69	7.85	Pass

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
		2462	-28.17	7.85	Pass
	Chain 1	2422	-29.03	7.85	Pass
		2442	-29.26	7.85	Pass
		2462	-28.45	7.85	Pass
	Chain 0+Chain 1	2422	-25.78	7.85	Pass
		2442	-25.96	7.85	Pass
		2462	-25.30	7.85	Pass

Note:

The device employ CDD for MIMO mode, according to KDB 662911 D01 Multiple Transmitter Output v02r01, Directional gain = G_{ANT} + Array Gain

For power spectral density (PSD) measurements:

Array Gain = 10 log(N_{ANT}/N_{SS}) dB;

$G_{ANT\,1}$=2.98dBi, $G_{ANT\,2}$=3.14dBi, use the higher antenna gain for calculate

Directional gain=3.14+10*log(2)=6.15dBi>6dBi

So the limit need reduce 0.15dB

3.5.5 100 kHz Bandwidth of Frequency Band Edge

2412~2472

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	43.20	20	Pass
		2472	43.54	20	Pass
	Chain 1	2412	44.88	20	Pass
		2472	34.16	20	Pass
802.11g	Chain 0	2412	40.33	20	Pass
		2472	20.05	20	Pass
	Chain 1	2412	39.95	20	Pass
		2472	20.76	20	Pass
802.11n20	Chain 0	2412	40.82	20	Pass
		2472	30.82	20	Pass
	Chain 1	2412	40.96	20	Pass
		2472	24.20	20	Pass
802.11n40	Chain 0	2422	37.49	20	Pass
		2462	30.97	20	Pass
	Chain 1	2422	38.01	20	Pass
		2462	37.95	20	Pass

3.5.6 Duty Cycle

2412~2472

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	Chain 0	2412	8.375	8.422	99.44	/	/	0.010
		2442	8.373	8.419	99.45	/	/	0.010
		2472	8.368	8.415	99.44	/	/	0.010
	Chain 1	2412	8.375	8.422	99.44	/	/	0.010
		2442	8.375	8.422	99.44	/	/	0.010
		2472	8.375	8.422	99.44	/	/	0.010
802.11g	Chain 0	2412	1.391	1.437	96.80	0.14	719	1
		2442	1.391	1.437	96.80	0.14	719	1
		2472	1.391	1.437	96.80	0.14	719	1
	Chain 1	2412	1.391	1.437	96.80	0.14	719	1
		2442	1.391	1.437	96.80	0.14	719	1
		2472	1.390	1.437	96.73	0.14	719	1
802.11n20	Chain 0	2412	1.299	1.345	96.58	0.15	770	1
		2442	1.299	1.345	96.58	0.15	770	1
		2472	1.299	1.345	96.58	0.15	770	1
	Chain 1	2412	1.299	1.344	96.65	0.15	770	1
		2442	1.298	1.344	96.58	0.15	770	1
		2472	1.300	1.345	96.65	0.15	769	1
802.11n40	Chain 0	2422	0.647	0.692	93.50	0.29	1546	2
		2442	0.648	0.692	93.64	0.29	1543	2
		2462	0.648	0.694	93.37	0.30	1543	2
	Chain 1	2422	0.647	0.692	93.50	0.29	1546	2
		2442	0.648	0.692	93.64	0.29	1543	2
		2462	0.648	0.692	93.64	0.29	1543	2

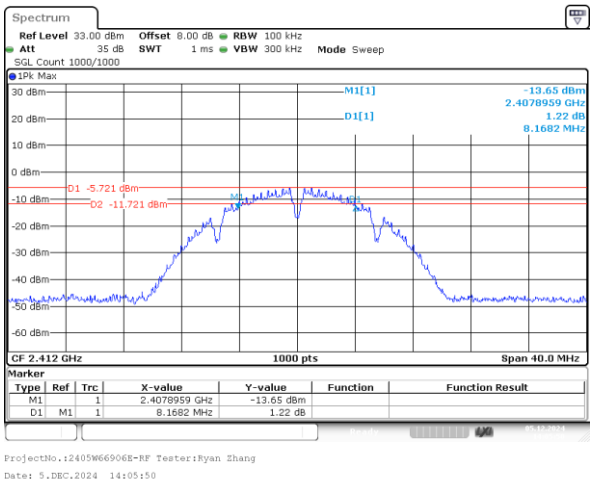
Duty Cycle = Ton/(Ton+Toff)*100%

Test Plots:

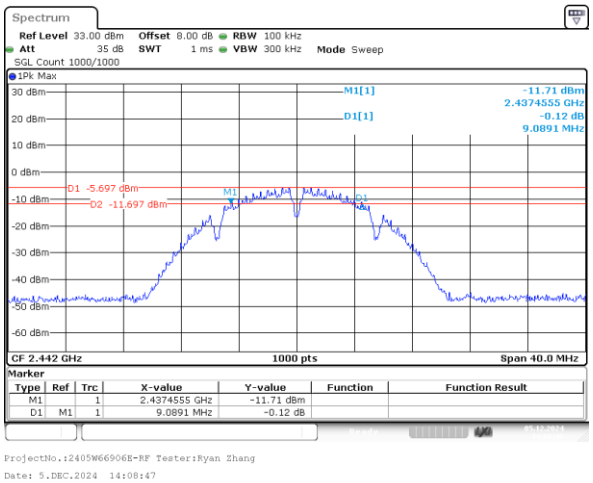
6dB Emission Bandwidth

2412~2472

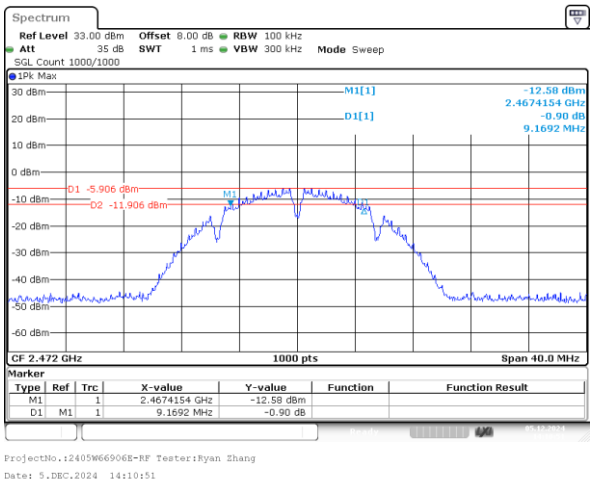
802.11b_2412MHz_Chain 0 8.168MHz



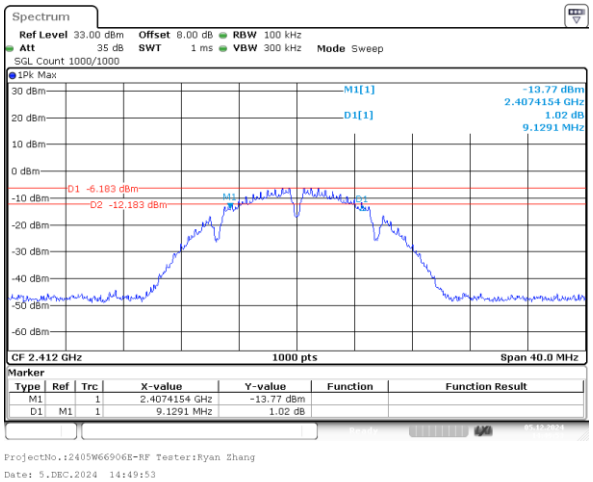
802.11b_2442MHz_Chain 0 9.089MHz



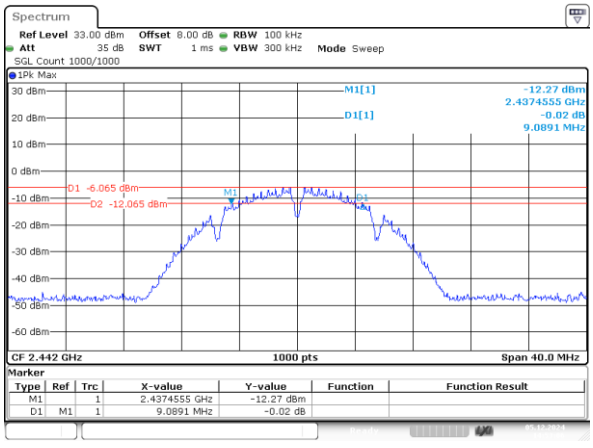
802.11b_2472MHz_Chain 0 9.169MHz



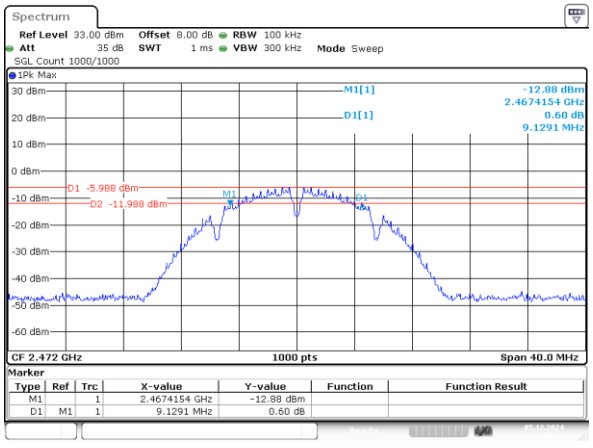
802.11b_2412MHz_Chain 1 9.129MHz



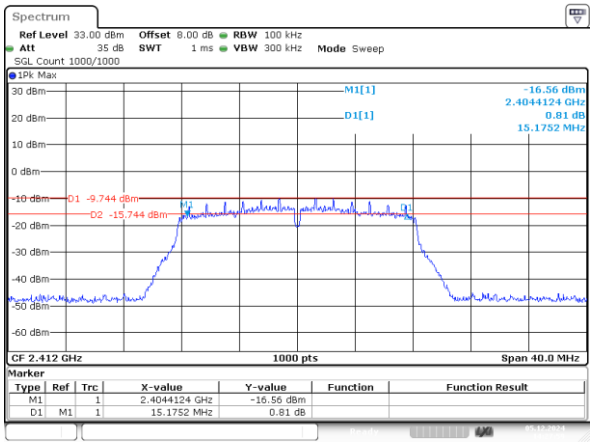
802.11b_2442MHz_Chain 1 9.089MHz



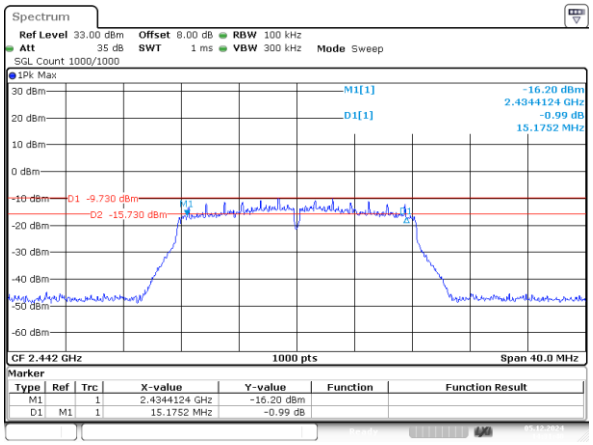
802.11b_2472MHz_Chain 1 9.129MHz



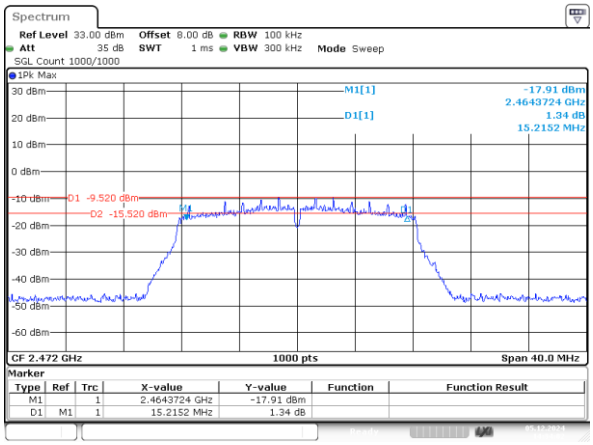
802.11g_2412MHz_Chain 0 15.175MHz



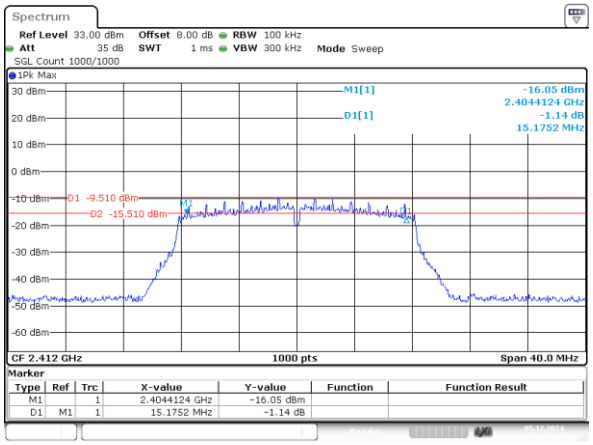
802.11g_2442MHz_Chain 0 15.175MHz



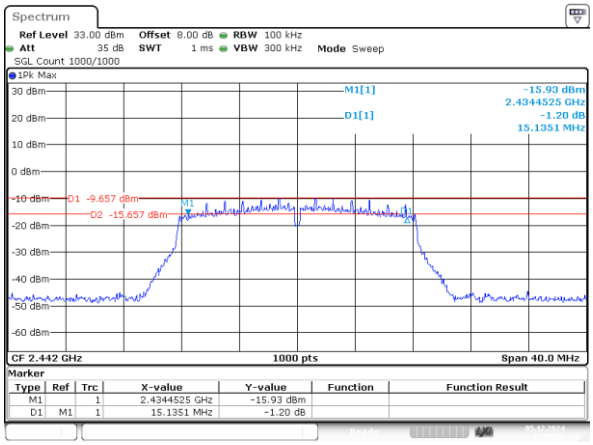
802.11g_2472MHz_Chain 0 15.215MHz



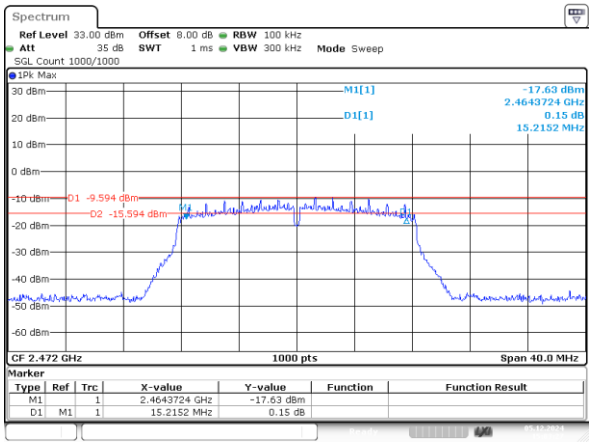
802.11g_2412MHz_Chain 1 15.175MHz



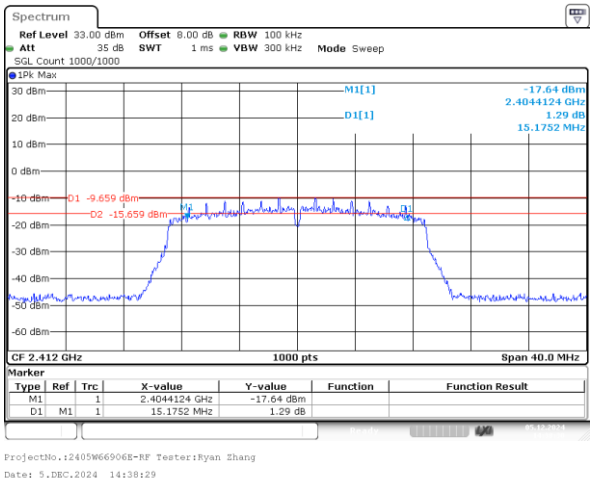
802.11g_2442MHz_Chain 1 15.135MHz



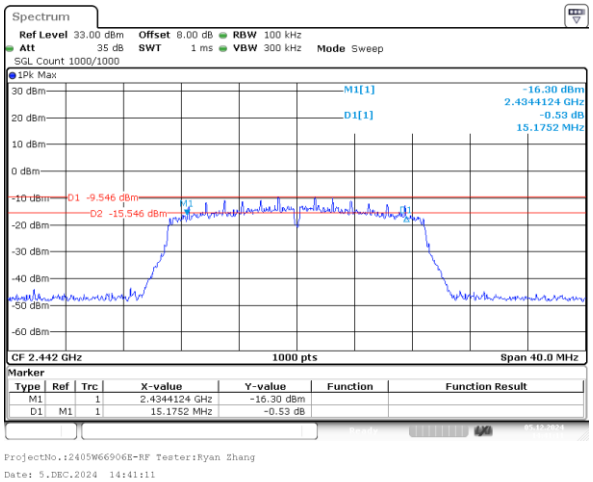
802.11g_2472MHz_Chain 1 15.215MHz



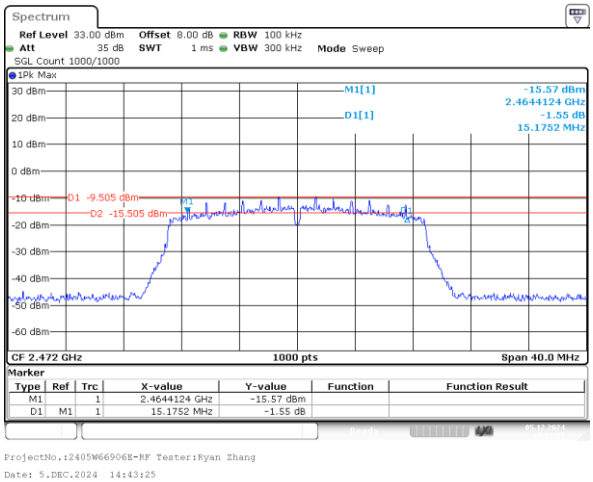
802.11n20_2412MHz_Chain 0 15.175MHz



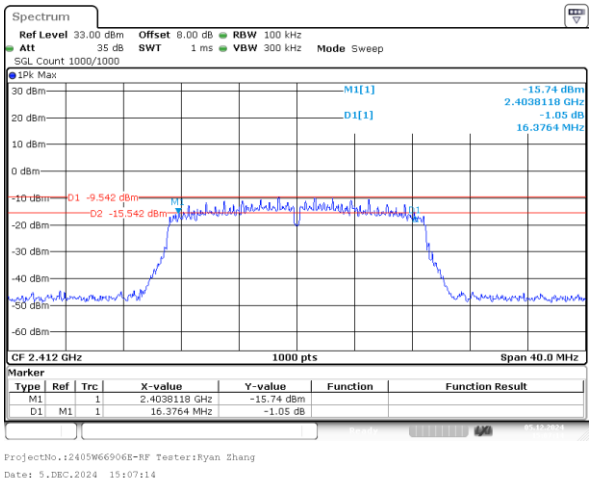
802.11n20_2442MHz_Chain 0 15.175MHz



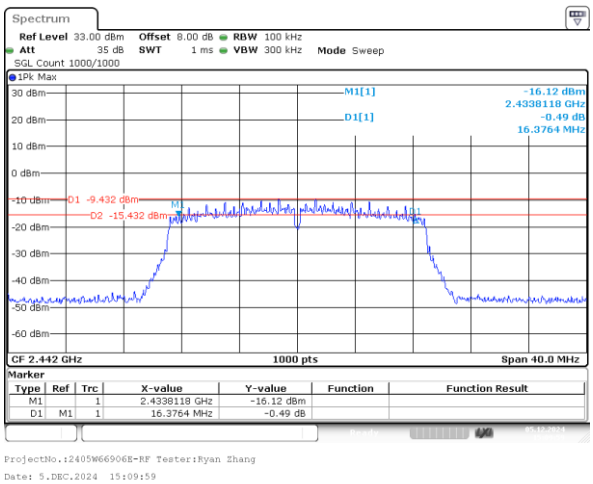
802.11n20_2472MHz_Chain 0 15.175MHz



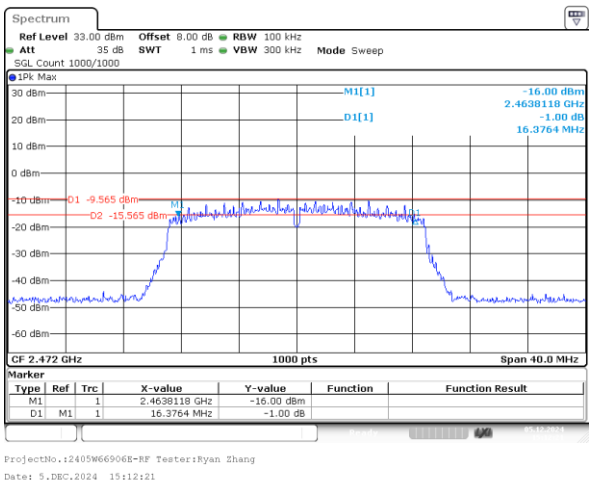
802.11n20_2412MHz_Chain 1 16.376MHz



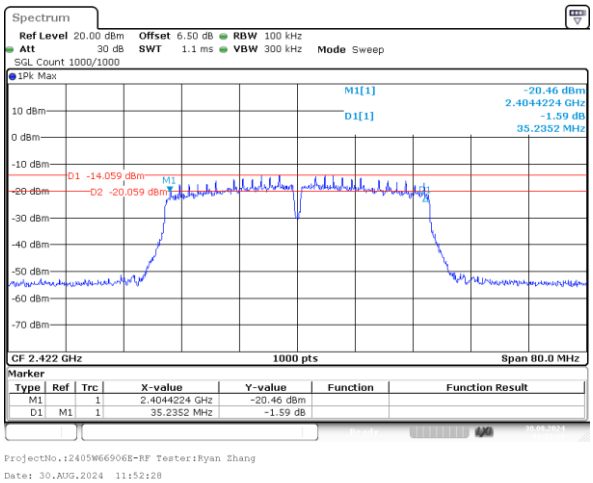
802.11n20_2442MHz_Chain 1 16.376MHz



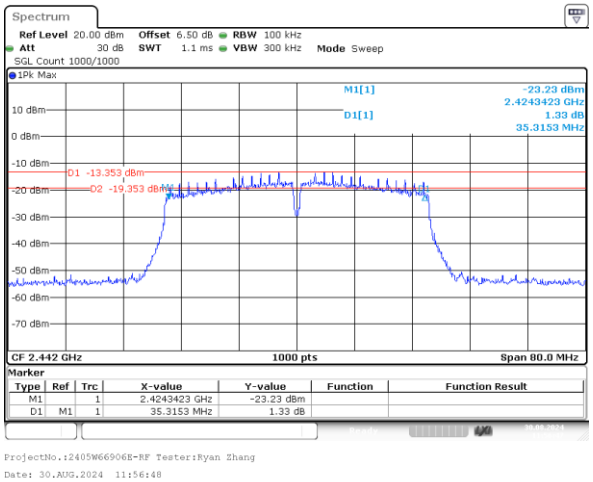
802.11n20_2472MHz_Chain 1 16.376MHz



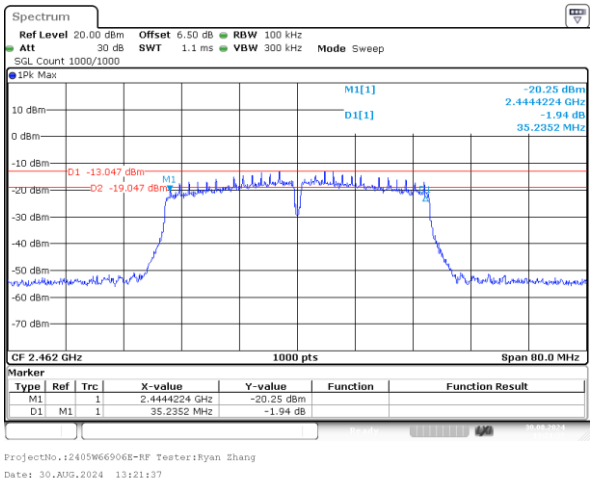
802.11n40_2422MHz_Chain 0 35.235MHz



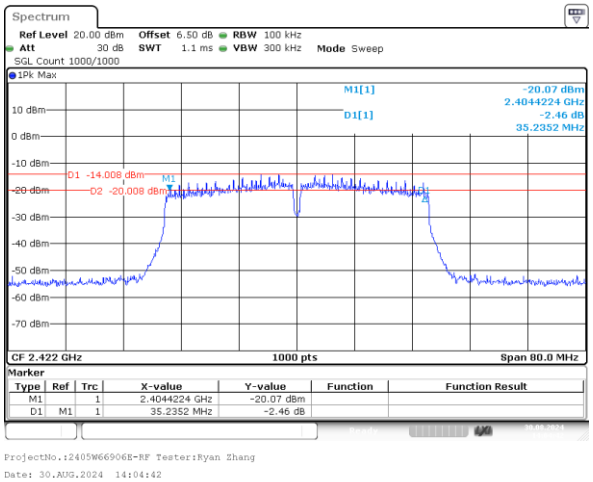
802.11n40_2442MHz_Chain 0 35.315MHz



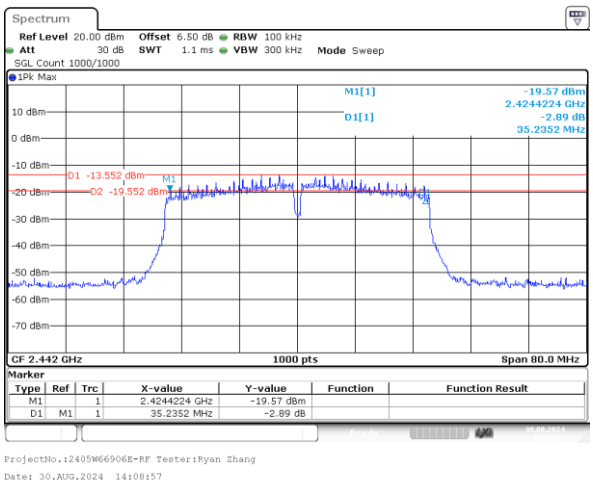
802.11n40_2462MHz_Chain 0 35.235MHz



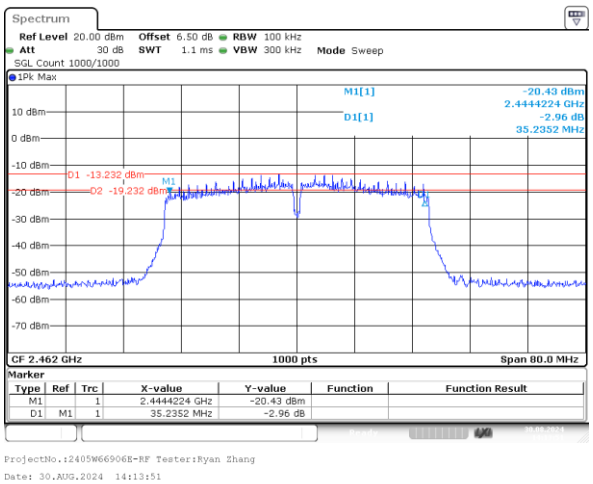
802.11n40_2422MHz_Chain 1 35.235MHz



802.11n40_2442MHz_Chain 1 35.235MHz



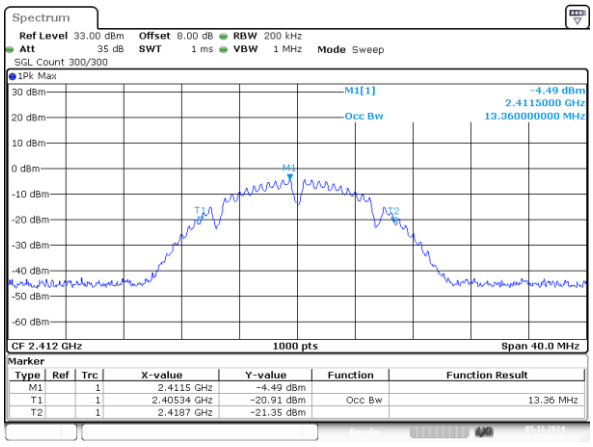
802.11n40_2462MHz_Chain 1 35.235MHz



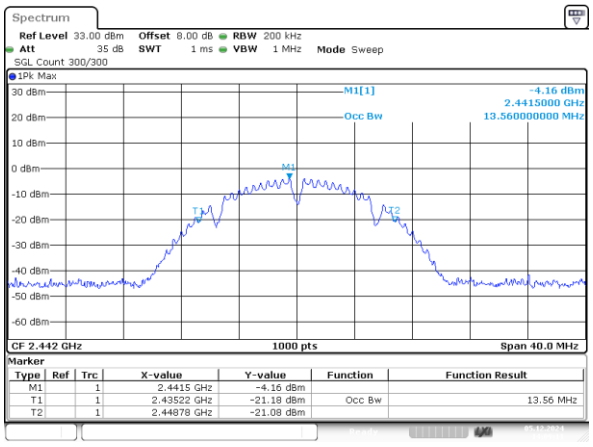
99% Occupied Bandwidth

2412~2472

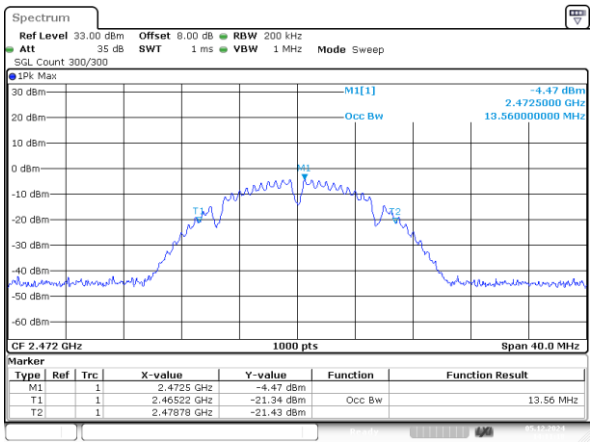
802.11b_2412MHz_Chain 0 13.360MHz



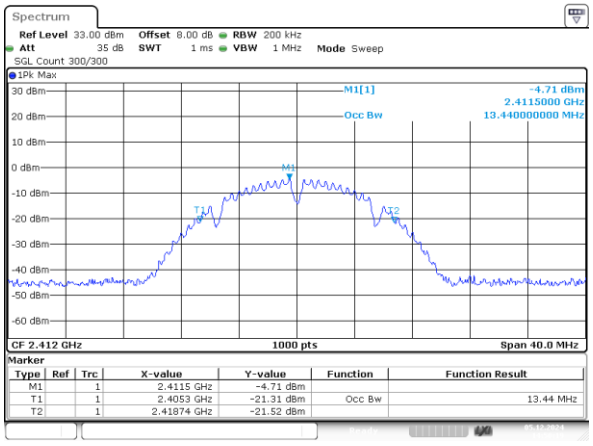
802.11b_2442MHz_Chain 0 13.560MHz



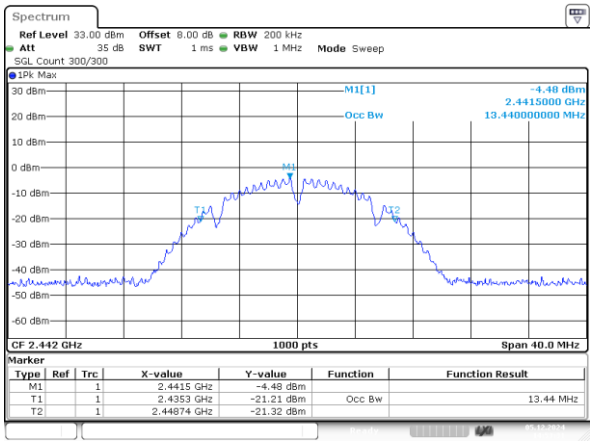
802.11b_2472MHz_Chain 0 13.560MHz



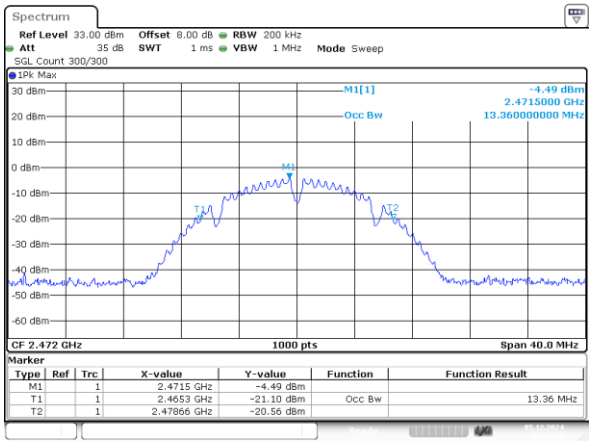
802.11b_2412MHz_Chain 1 13.440MHz



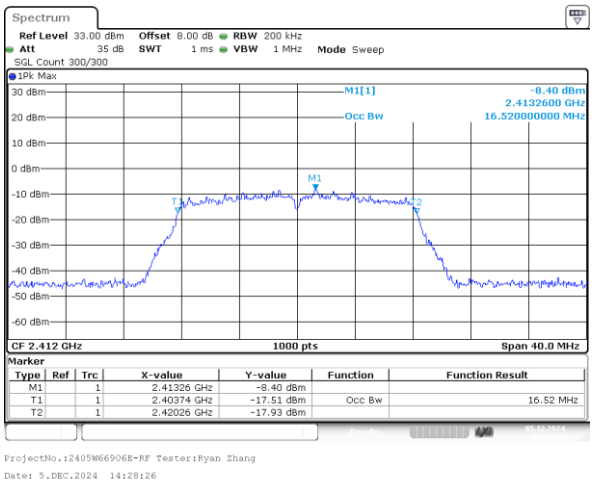
802.11b_2442MHz_Chain 1 13.440MHz



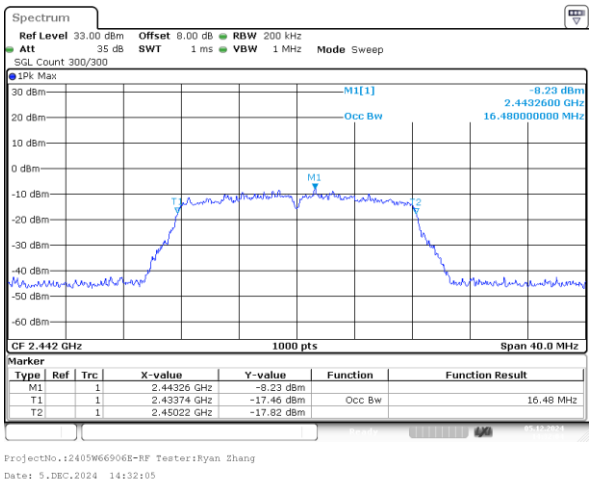
802.11b_2472MHz_Chain 1 13.360MHz



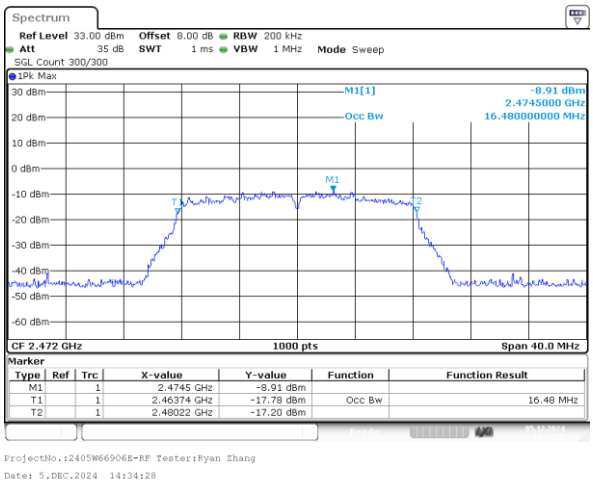
802.11g_2412MHz_Chain 0 16.520MHz



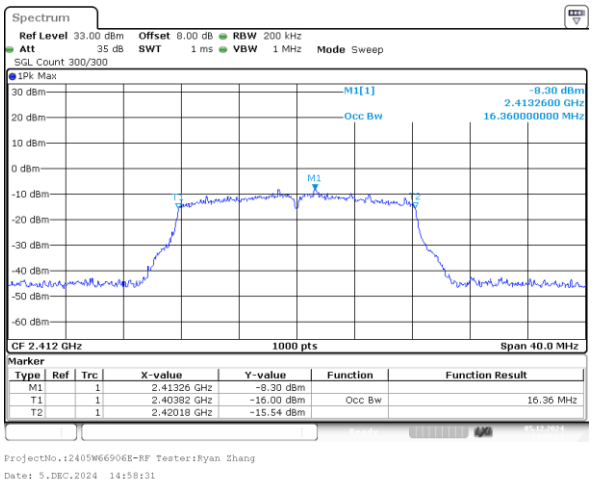
802.11g_2442MHz_Chain 0 16.480MHz



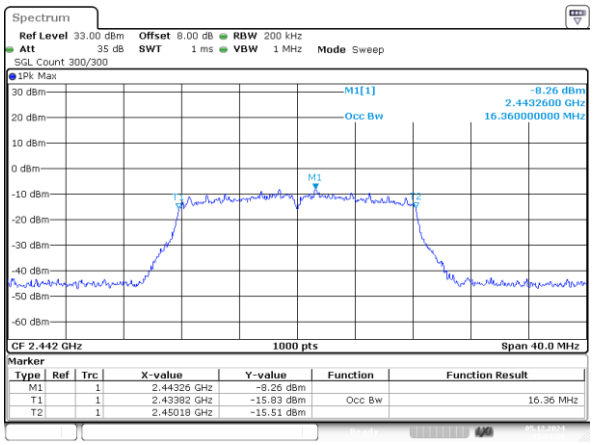
802.11g_2472MHz_Chain 0 16.480MHz



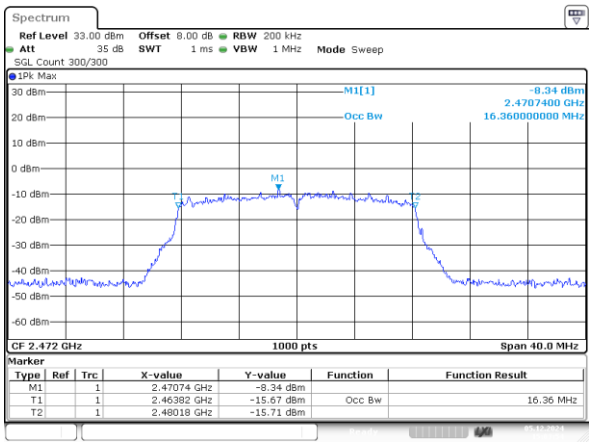
802.11g_2412MHz_Chain 1 16.360MHz



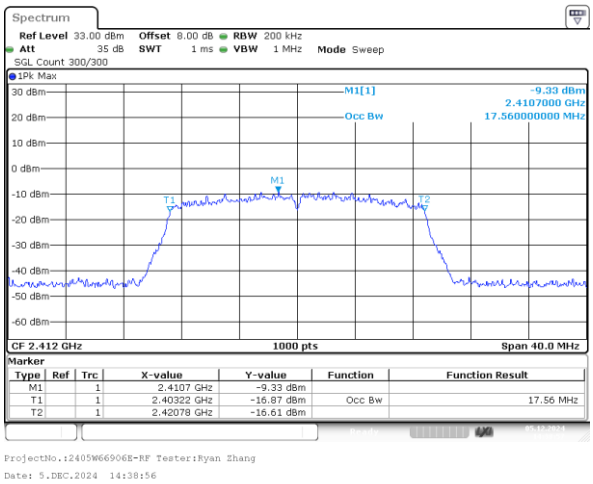
802.11g_2442MHz_Chain 1 16.360MHz



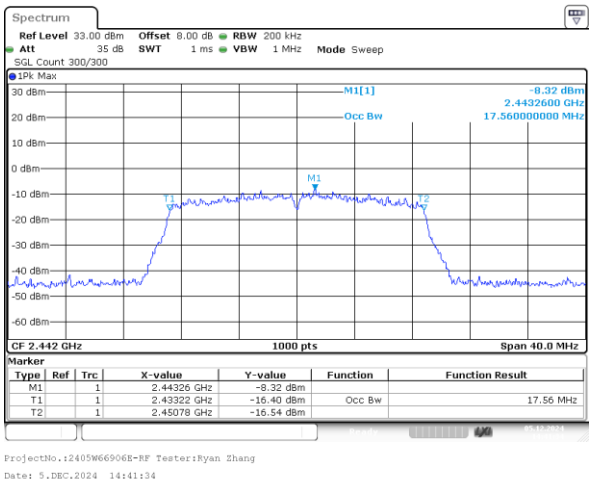
802.11g_2472MHz_Chain 1 16.360MHz



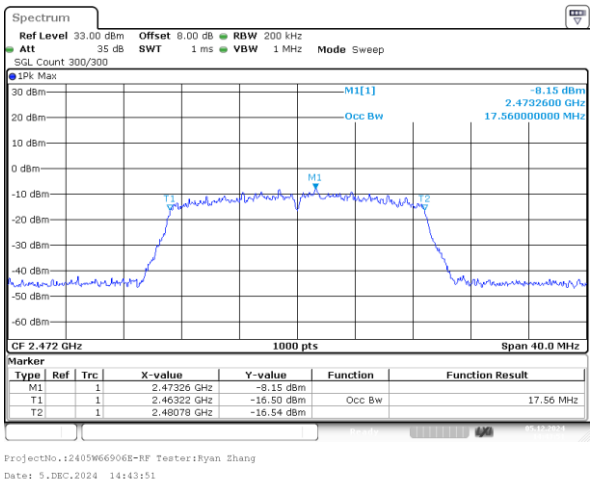
802.11n20_2412MHz_Chain 0 17.560MHz



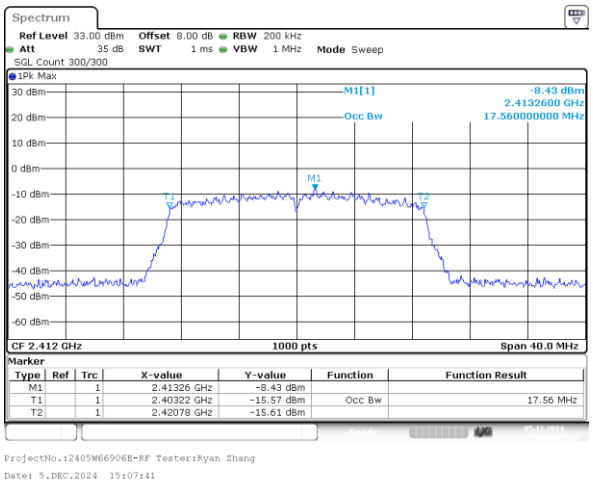
802.11n20_2442MHz_Chain 0 17.560MHz



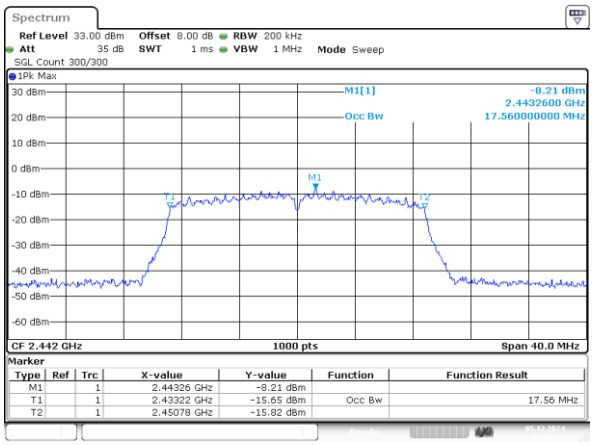
802.11n20_2472MHz_Chain 0 17.560MHz



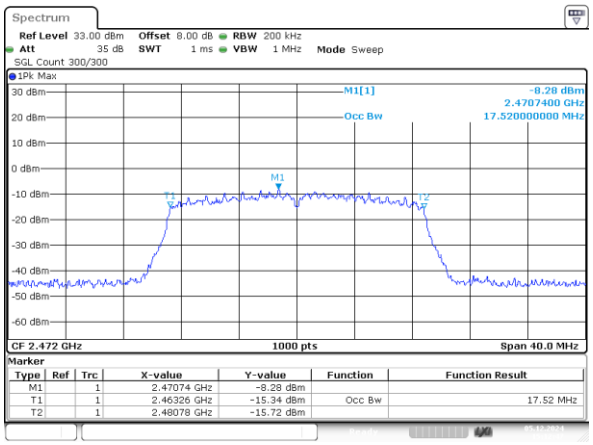
802.11n20_2412MHz_Chain 1 17.560MHz



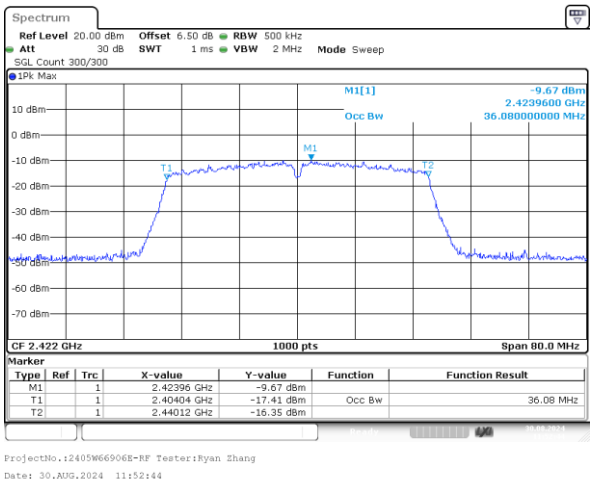
802.11n20_2442MHz_Chain 1 17.560MHz



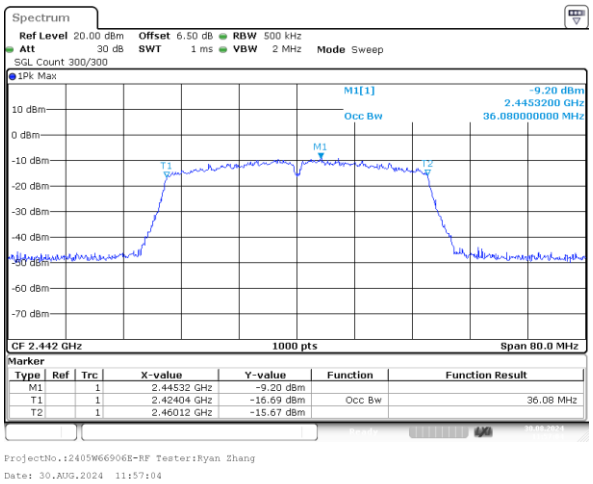
802.11n20_2472MHz_Chain 1 17.520MHz



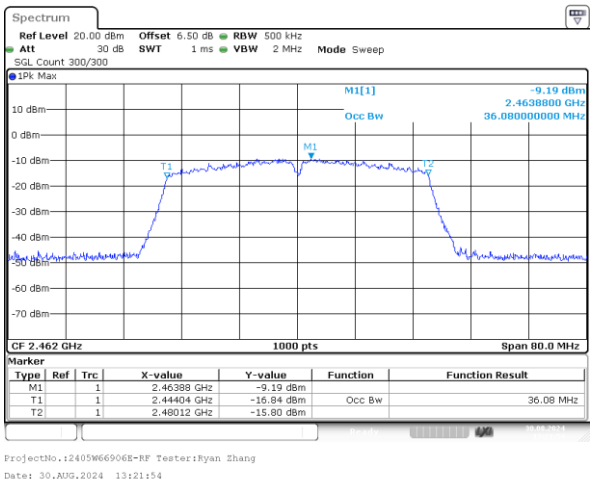
802.11n40_2422MHz_Chain 0 36.080MHz



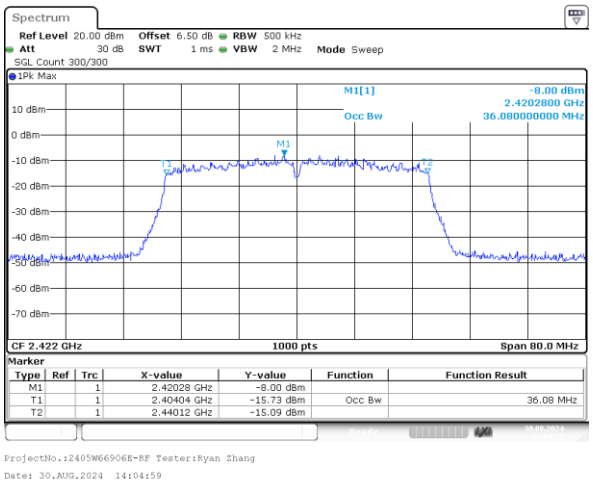
802.11n40_2442MHz_Chain 0 36.080MHz



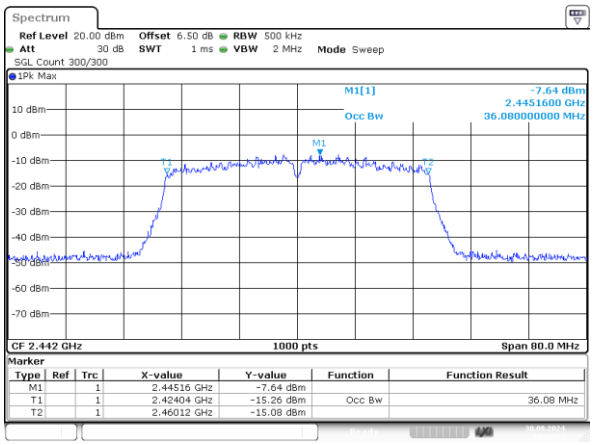
802.11n40_2462MHz_Chain 0 36.080MHz



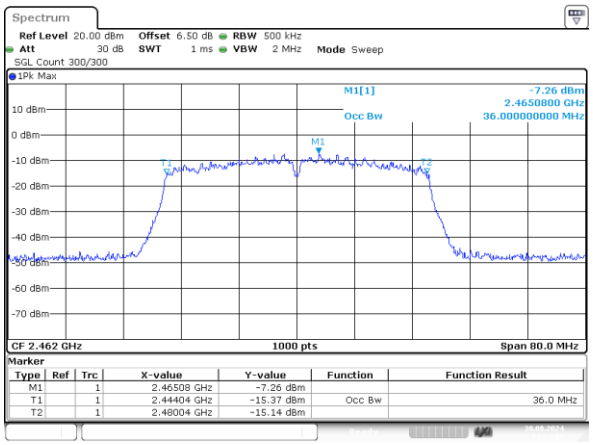
802.11n40_2422MHz_Chain 1 36.080MHz



802.11n40_2442MHz_Chain 1 36.080MHz



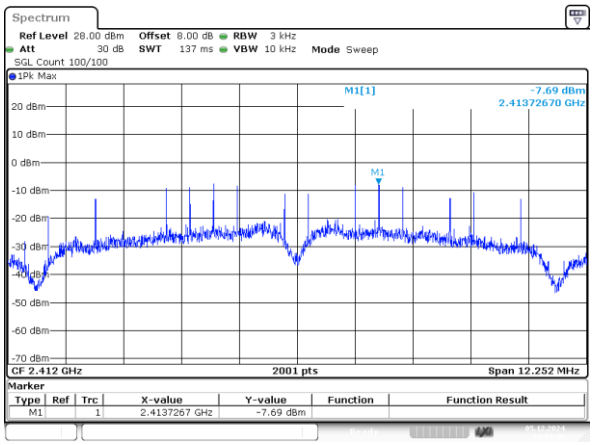
802.11n40_2462MHz_Chain 1 36MHz



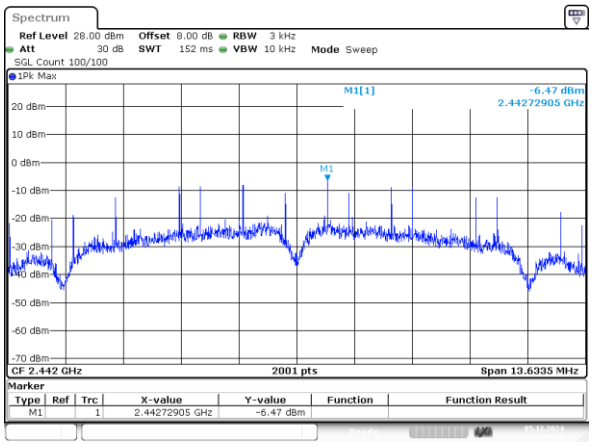
Power Spectral Density

2412~2472

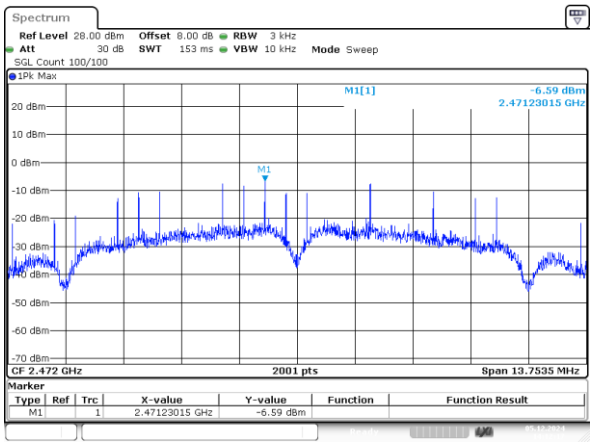
802.11b_2412MHz_Chain 0 -7.69dBm/3kHz



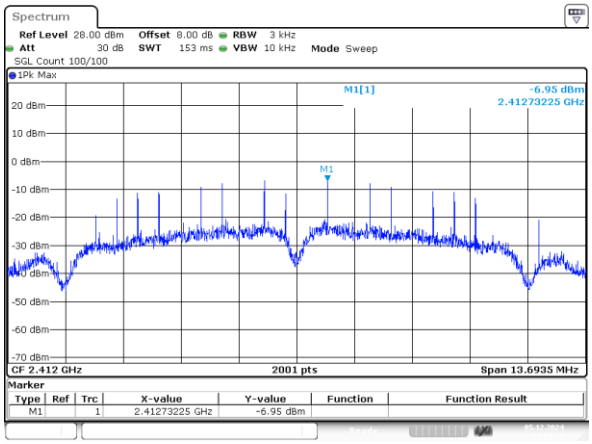
802.11b_2442MHz_Chain 0 -6.47dBm/3kHz



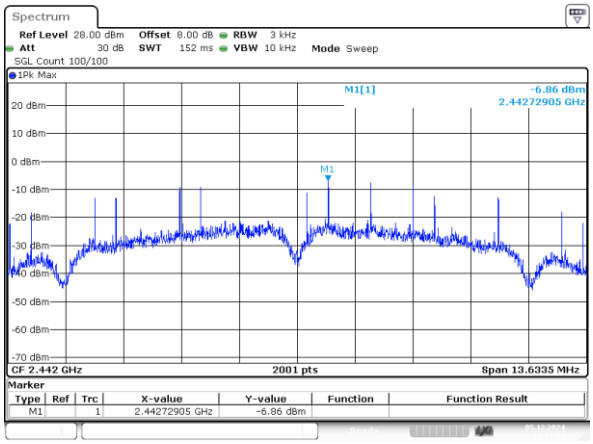
802.11b_2472MHz_Chain 0 -6.59dBm/3kHz



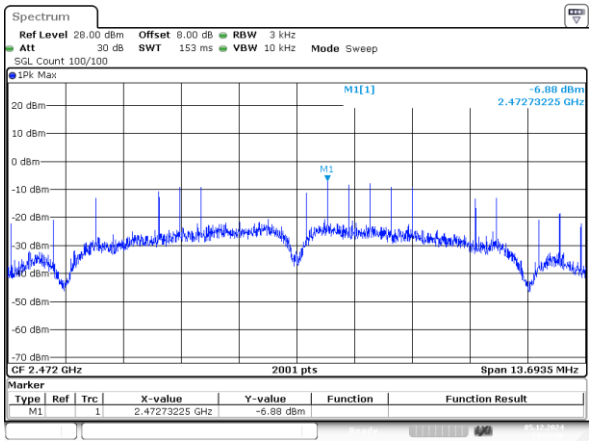
802.11b_2412MHz_Chain 1 -6.95dBm/3kHz



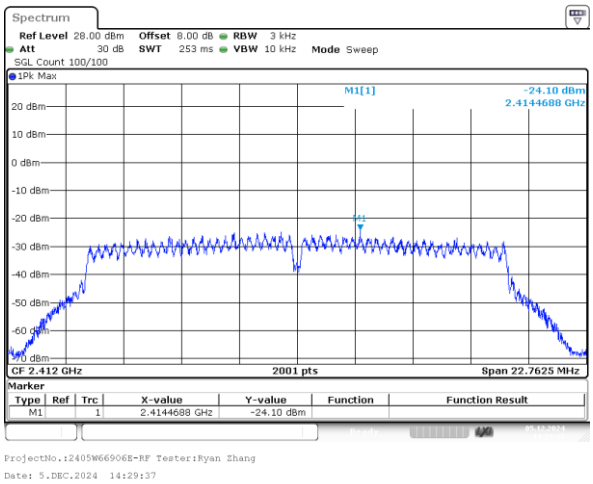
802.11b_2442MHz_Chain 1 -6.86dBm/3kHz



802.11b_2472MHz_Chain 1 -6.88dBm/3kHz

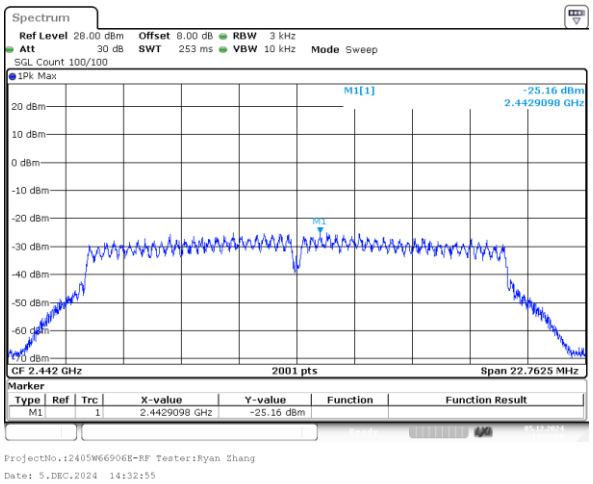


802.11g_2412MHz_Chain 0 -24.10dBm/3kHz



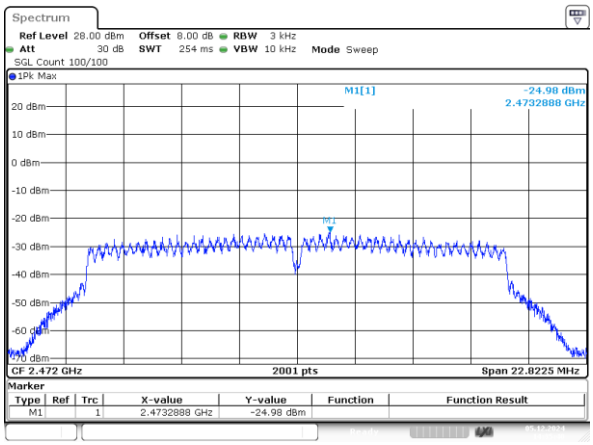
ProjectNo.:2405W66906E-RF Tester:Ryan Zhang
Date: 5.DEC.2024 14:29:37

802.11g_2442MHz_Chain 0 -25.16dBm/3kHz



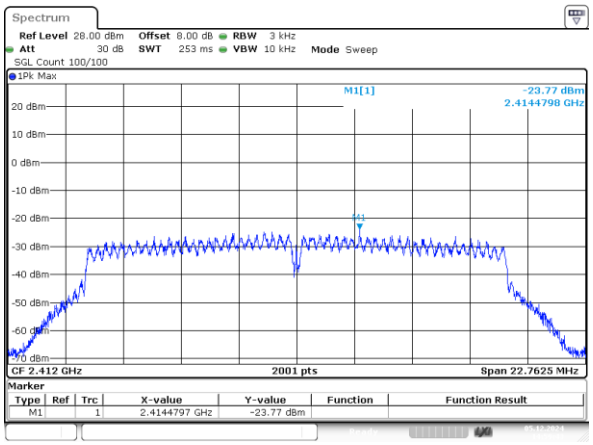
ProjectNo.:2405W66906E-RF Tester:Ryan Zhang
Date: 5.DEC.2024 14:32:55

802.11g_2472MHz_Chain 0 -24.98dBm/3kHz



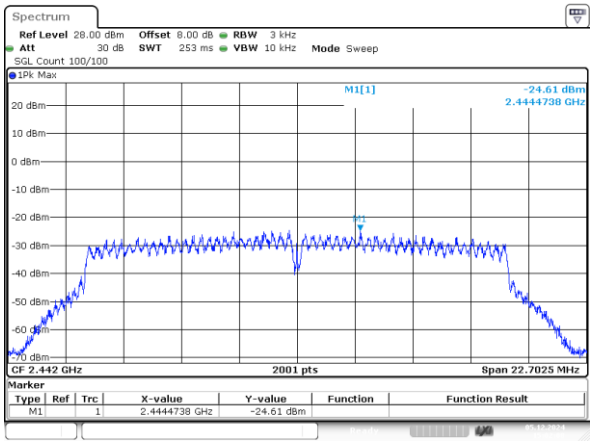
ProjectNo.:2405W66906E-RF Tester:Ryan Zhang
Date: 5.DEC.2024 14:35:40

802.11g_2412MHz_Chain 1 -23.77dBm/3kHz



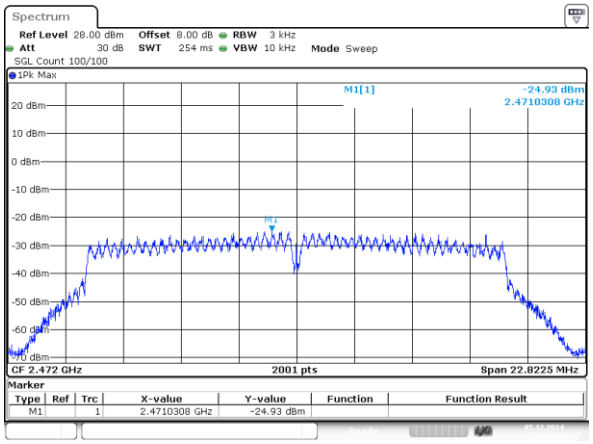
ProjectNo.:2405W66906E-RF Tester:Ryan Zhang
Date: 5.DEC.2024 14:59:43

802.11g_2442MHz_Chain 1 -24.61dBm/3kHz



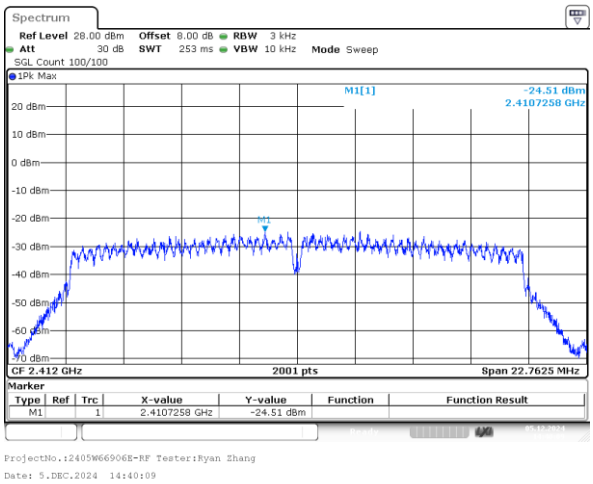
ProjectNo.:2405W66906E-RF Tester:Ryan Zhang
Date: 5.DEC.2024 15:02:08

802.11g_2472MHz_Chain 1 -24.93dBm/3kHz

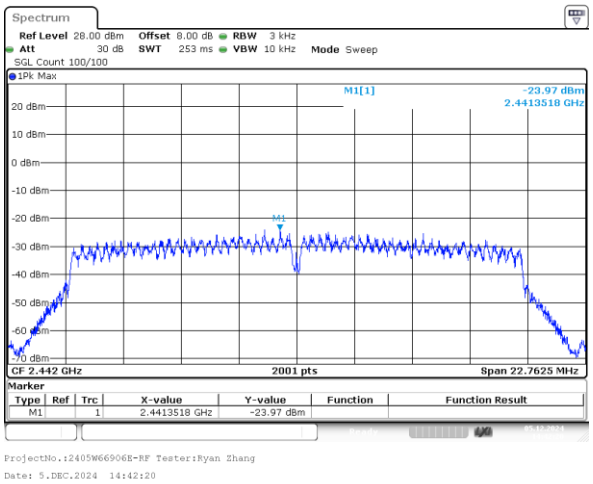


ProjectNo.:2405W66906E-RF Tester:Ryan Zhang
Date: 5.DEC.2024 15:05:08

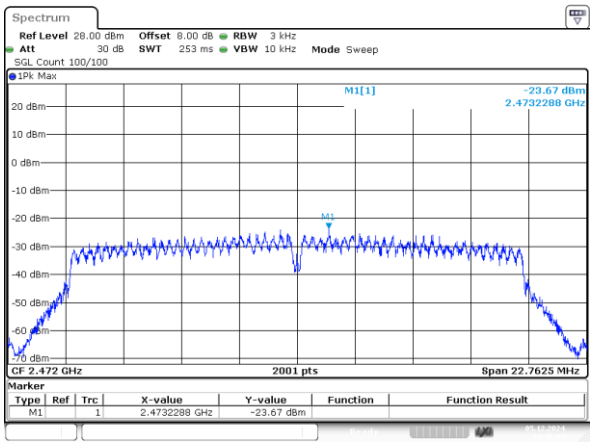
802.11n20_2412MHz_Chain 0 -24.51dBm/3kHz



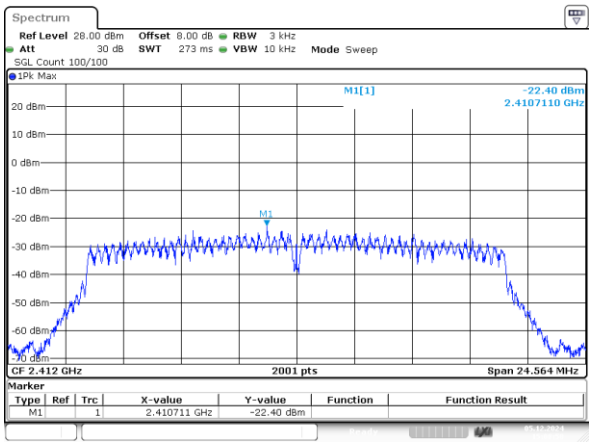
802.11n20_2442MHz_Chain 0 -23.97dBm/3kHz



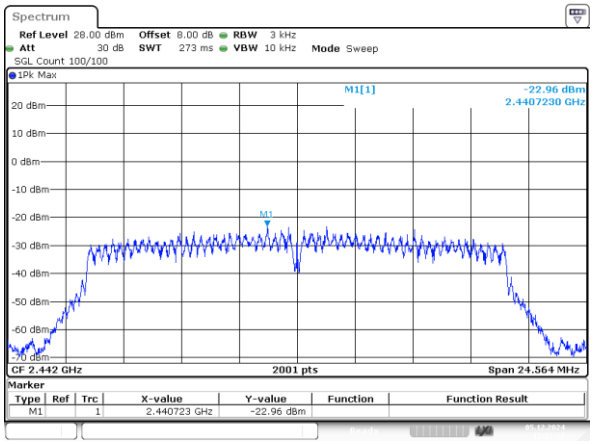
802.11n20_2472MHz_Chain 0 -23.67dBm/3kHz



802.11n20_2412MHz_Chain 1 -22.40dBm/3kHz



802.11n20_2442MHz_Chain 1 -22.96dBm/3kHz



802.11n20_2472MHz_Chain 1 -22.68dBm/3kHz