

FCC Test Report

Report No.: RWA0202400028B

Applicant: M5Stack Technology Co., Ltd

Address: 5F, Tangwei Stock Commercial Building Youli Road, Bao'an District, Shenzhen, Guangdong, China

Product Name: M5NanoC6

Product Model: NanoC6

Multiple Models: N/A

Trade Mark:



FCC ID: 2AN3WM5NANOC6

Standards: FCC CFR Title 47 Part 15C (§15.247)

Test Date: 2024-01-16 to 2024-02-26

Test Result: Complied

Report Date: 2024-02-27

Reviewed by:

Abel chen

Abel Chen
Project Engineer

Approved by:

Jacob Gong

Jacob Kong
Manager

Prepared by:

World Alliance Testing and 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



This report may contain data that are not covered by the NVLAP accreditation and shall be marked with an asterisk “★”

Announcement

1. This test report shall not be reproduced in full or partial, without the written approval of World Alliance Testing and Certification (Shenzhen) Co., Ltd
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.
4. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.
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	2024-02-27	Original

Contents

1	General Information	4
1.1	Client Information	4
1.2	Product Description of EUT	4
1.3	Antenna information	4
1.4	Related Submittal(s)/Grant(s).....	5
1.5	Measurement Uncertainty	5
1.6	Laboratory Location.....	5
1.7	Test Methodology	5
2	Description of Measurement.....	6
2.1	Test Configuration.....	6
2.2	Test Auxiliary Equipment	7
2.3	Test Setup.....	7
2.4	Test Procedure	9
2.5	Measurement Method.....	10
2.6	Measurement Equipment	11
3	Test Results	12
3.1	Test Summary.....	12
3.2	Limit	13
3.3	AC Line Conducted Emissions Test Data.....	14
3.4	Radiated emission Test Data.....	16
3.5	RF Conducted Test Data	44
3.5.1	6 dB Emission Bandwidth and 99% Occupied Bandwidth.....	44
3.5.2	Maximum Conducted Peak Output Power.....	44
3.5.3	Maximum Conducted Average Output Power	45
3.5.4	Power Spectral Density.....	45
3.5.5	100 kHz Bandwidth of Frequency Band Edge	46
3.5.6	Duty Cycle	46
4	Test Setup Photo.....	59
5	E.U.T Photo.....	60

1 General Information

1.1 Client Information

Applicant:	M5Stack Technology Co., Ltd
Address:	5F, Tangwei Stock Commercial Building Youli Road, Bao'an District, Shenzhen, Guangdong, China
Manufacturer:	M5Stack Technology Co., Ltd
Address:	5F, Tangwei Stock Commercial Building Youli Road, Bao'an District, Shenzhen, Guangdong, China

1.2 Product Description of EUT

The EUT is M5NanoC6 that contains BLE(1M/2M), ZigBee, Thread and 2.4G WLAN radios; this report covers the full testing of the 2.4G WLAN radios.

Sample Serial Number	2N-1 for CE test, 2N-2 for RE test, 2N-3 for RF test conducted test (assigned by WATC)
Sample Received Date	2024-01-12
Sample Status	Good Condition
Frequency Range	2412MHz - 2472MHz(802.11b, g, n-HT20, ax-HE20) 2422MHz - 2462MHz(802.11n-HT40)
Maximum Conducted Peak Output Power	27.09dBm
Modulation Technology	DSSS, OFDM, OFDMA
Antenna Gain [#]	-6.11dBi
Spatial Streams [#]	SISO (1TX, 1RX)
Power Supply	DC 5V
Operating temperature [#]	0 deg.C to +40 deg.C
Adapter Information	N/A
Modification	Sample No Modification by the test lab

1.3 Antenna information

<p>15.203 requirement:</p> <p>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.</p>	
<p>Device Antenna information:</p>	
<p>The Wi-Fi antenna is an internal antenna which cannot replace by end-user. Please see product internal photos for details.</p>	

1.4 Related Submittal(s)/Grant(s)

No Related Submittal(s)/Grant(s)

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
<p>Note 1: 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.</p> <p>Note 2: The Decision Rule is based on simple acceptance with ISO Guide 98-4:2012 Clause 8.2 (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)</p>		

1.6 Laboratory Location

World Alliance Testing and 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 DTS Meas Guidance v05r02

ANSI C63.10-2020

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 C63.10-2020 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, 802.11ax-HE20					
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	2437	11	2462

Test Mode:				
Transmitting mode:	Keep the EUT in continuous transmitting with modulation			
Exercise software [#] :	EspRFTTestTool_v3.6_Manual			
Mode	Worst-case Data rate	Power Level Setting [#]		
		Low Channel	Middle Channel	High Channel
802.11b	1Mbps	Attenuation 30	Attenuation 30	Attenuation 30
802.11g	6Mbps	Attenuation 30	Attenuation 30	Attenuation 30
802.11n-HT20	MCSO	Attenuation 30	Attenuation 30	Attenuation 30
802.11n-HT40	MCSO	Attenuation 20	Attenuation 20	Attenuation 20
802.11ax-HE20	MCSO	Attenuation 24	Attenuation 24	Attenuation 24

The exercise software and the maximum power setting that provided by manufacturer.

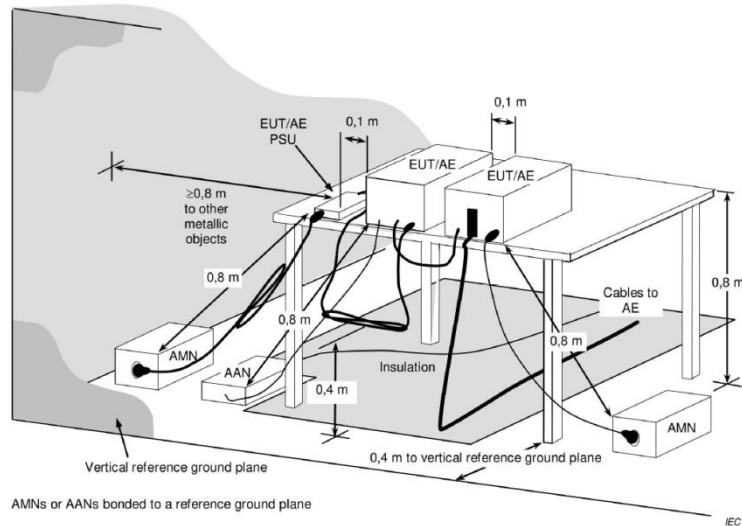
Worst-Case Configuration:
For radiated emissions, EUT was investigated in three orthogonal orientation, the worst-case orientation was recorded in report
For AC power line conducted emission and radiated emission 9kHz-1GHz and above 18GHz were performed with the EUT transmits at the channel with highest output power as worst-case scenario.
For 802.11ax mode, the device only support full RU mode.

2.2 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
Dell	laptop	unknown	unknown

2.3 Test Setup

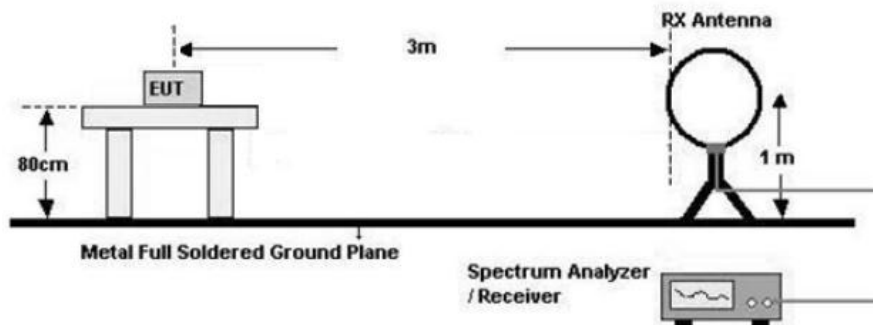
1) Conducted emission measurement:



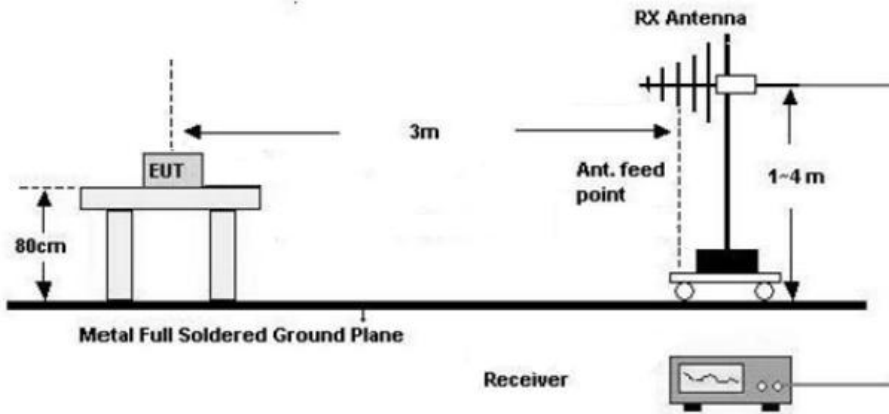
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

2) Radiated emission measurement:

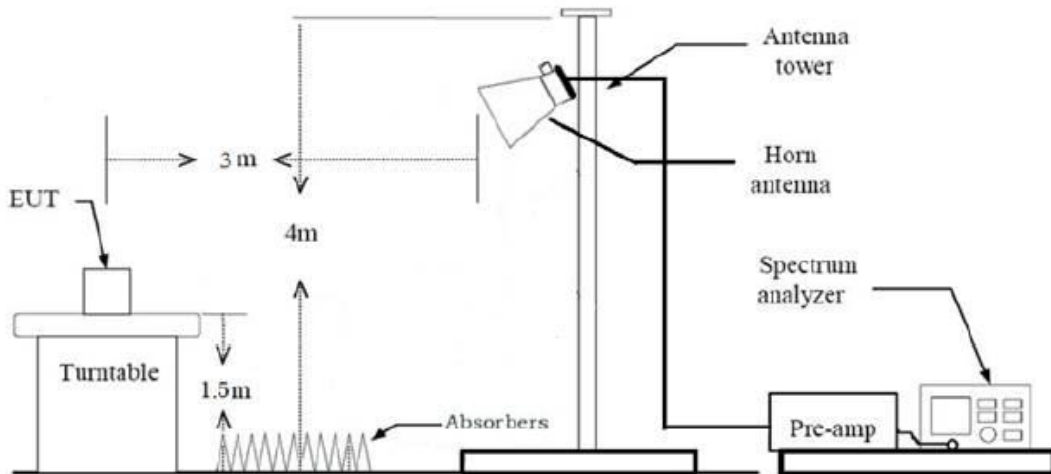
Below 30MHz (3m SAC)



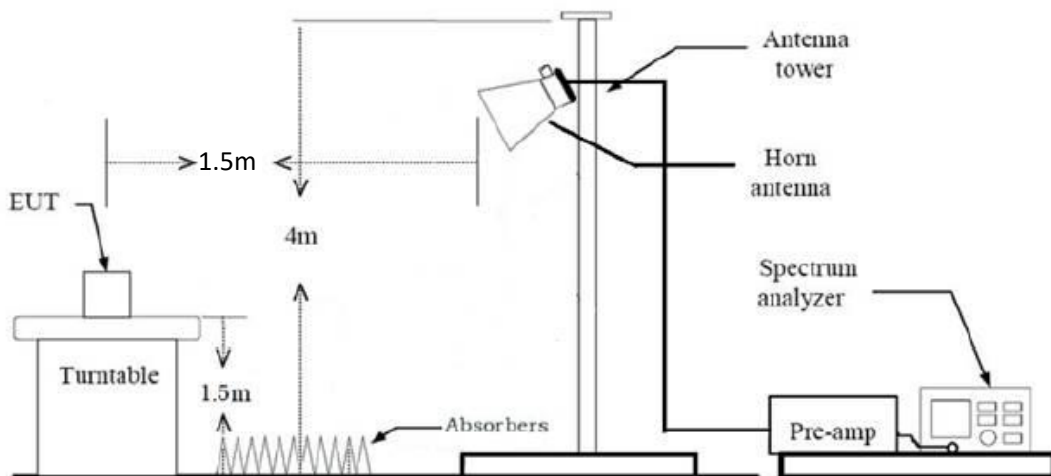
30MHz-1GHz (3m SAC)



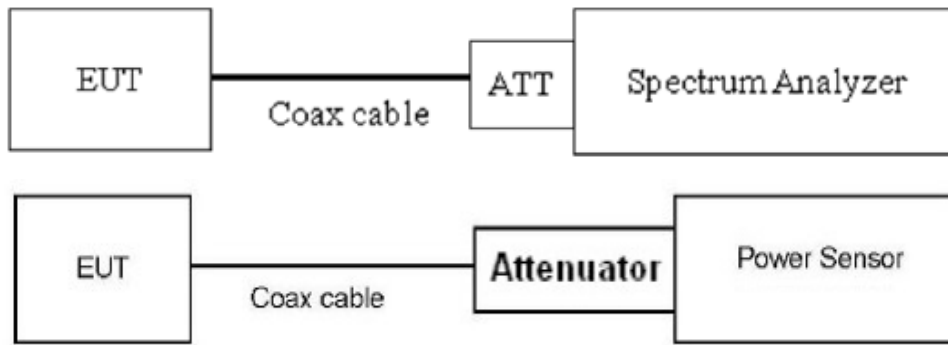
1GHz-18GHz(3m FAC)



Above 18GHz (3m FAC)



3) RF Conducted Test



2.4 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 $40 \cdot \log(\text{test distance} / \text{specification distance})$.
2. Loop antenna use, investigation was done on the three antenna orientations (parallel, perpendicular, ground-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 of 7.0dB (including 6.0 dB Attenuator and 1.0 dB cable) was entered as an offset in the power meter. Note: Actual cable loss was unavailable at the time of testing, therefore a loss of 1.0dB 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.

2.5 Measurement Method

Description of Test	Measurement Method
AC Line Conducted Emissions	ANSI C63.10-2020 Section 6.2
Maximum Conducted Output Power	ANSI C63.10-2020 Section 11.9.1.2 PKPM1 Peak power meter method or ANSI C63.10-2020 Section 11.9.2.3.2 Method AVGPM-G
Power Spectral Density	ANSI C63.10-2020 Section 11.10.2 Method PKPSD (peak PSD)
6 dB Emission Bandwidth	ANSI C63.10-2020 Section 11.8.1
99% Occupied Bandwidth	ANSI C63.10-2020 Section 6.9.3
100kHz Bandwidth of Frequency Band Edge	ANSI C63.10-2020 Section 6.10
Radiated emission	ANSI C63.10-2020 Section 11.11&11.12
Duty Cycle	ANSI C63.10-2020 Section 11.6

2.6 Measurement Equipment

Manufacturer	Description	Model	Management No.	Calibration Date	Calibration Due Date
AC Line Conducted Emission Test					
ROHDE& SCHWARZ	EMI TEST RECEIVER	ESR	101817	2023/7/3	2024/7/2
R&S	LISN	ENV216	101748	2023/8/1	2024/7/31
N/A	Coaxial Cable	NO.12	N/A	2023/7/3	2024/7/2
Farad	Test Software	EZ-EMC	Ver. EMEC-3A1	/	/
Radiated Emission Test					
R&S	EMI test receiver	ESR3	102758	2023/7/3	2024/7/2
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40-N	101608	2023/7/3	2024/7/2
SONOMA INSTRUMENT	Low frequency amplifier	310	186014	2023/7/12	2024/7/11
COM-POWER	preamplifier	PAM-118A	18040152	2023/8/21	2024/8/20
COM-POWER	Amplifier	PAM-840A	461306	2023/8/8	2024/8/7
ETS	Passive Loop Antenna	6512	29604	2023/7/7	2024/7/6
SCHWARZBECK	Log - periodic wideband antenna	VULB 9163	9163-872	2023/7/7	2024/7/6
Astro Antenna Ltd	Horn antenna	AHA-118S	3015	2023/7/6	2024/7/5
Ducommun technologies	Horn Antenna	ARH-4223-02	1007726-03	2023/7/10	2024/7/9
Oulitong	Band Reject Filter	OBSF-2400-248 3.5-50N	OE02103119	2023/9/15	2024/9/14
N/A	Coaxial Cable	N/A	NO.9	2023/8/8	2024/8/7
N/A	Coaxial Cable	N/A	NO.10	2023/8/8	2024/8/7
N/A	Coaxial Cable	N/A	NO.11	2023/8/8	2024/8/7
Audix	Test Software	E3	191218 V9	/	/
RF Conducted Test					
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSU-26	200680/026	2023/7/12	2024/7/11
ANRITSU	USB Power Sensor	MA24418A	12620	2023/7/12	2024/7/11
narda	6dB attenuator	603-06-1	N/A	2023/7/26	2024/7/25

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

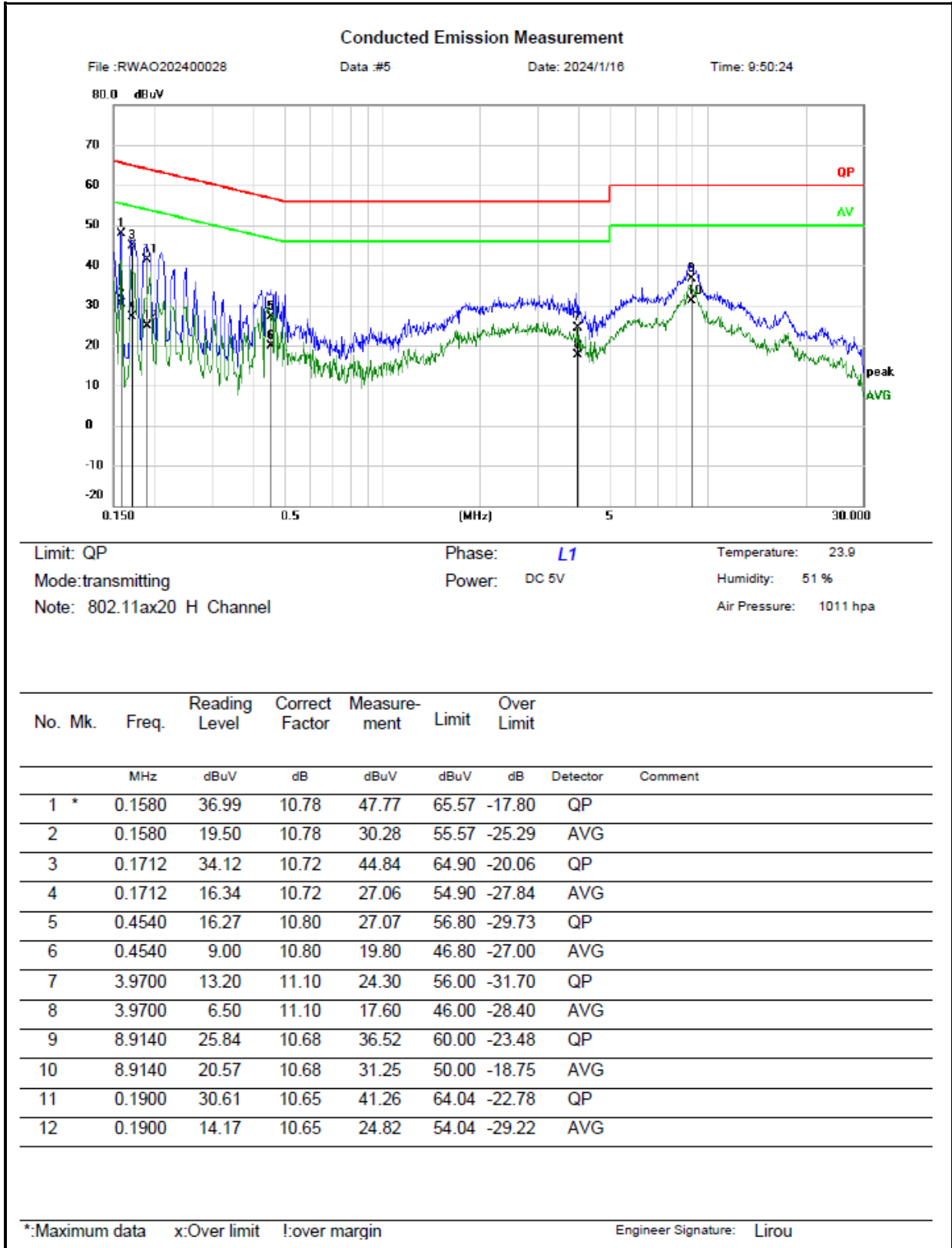
FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Compliance
§15.247(b)(3)	Maximum Conducted Output Power	Compliance
§15.247(e)	Power Spectral Density	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
-	99% Occupied Bandwidth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

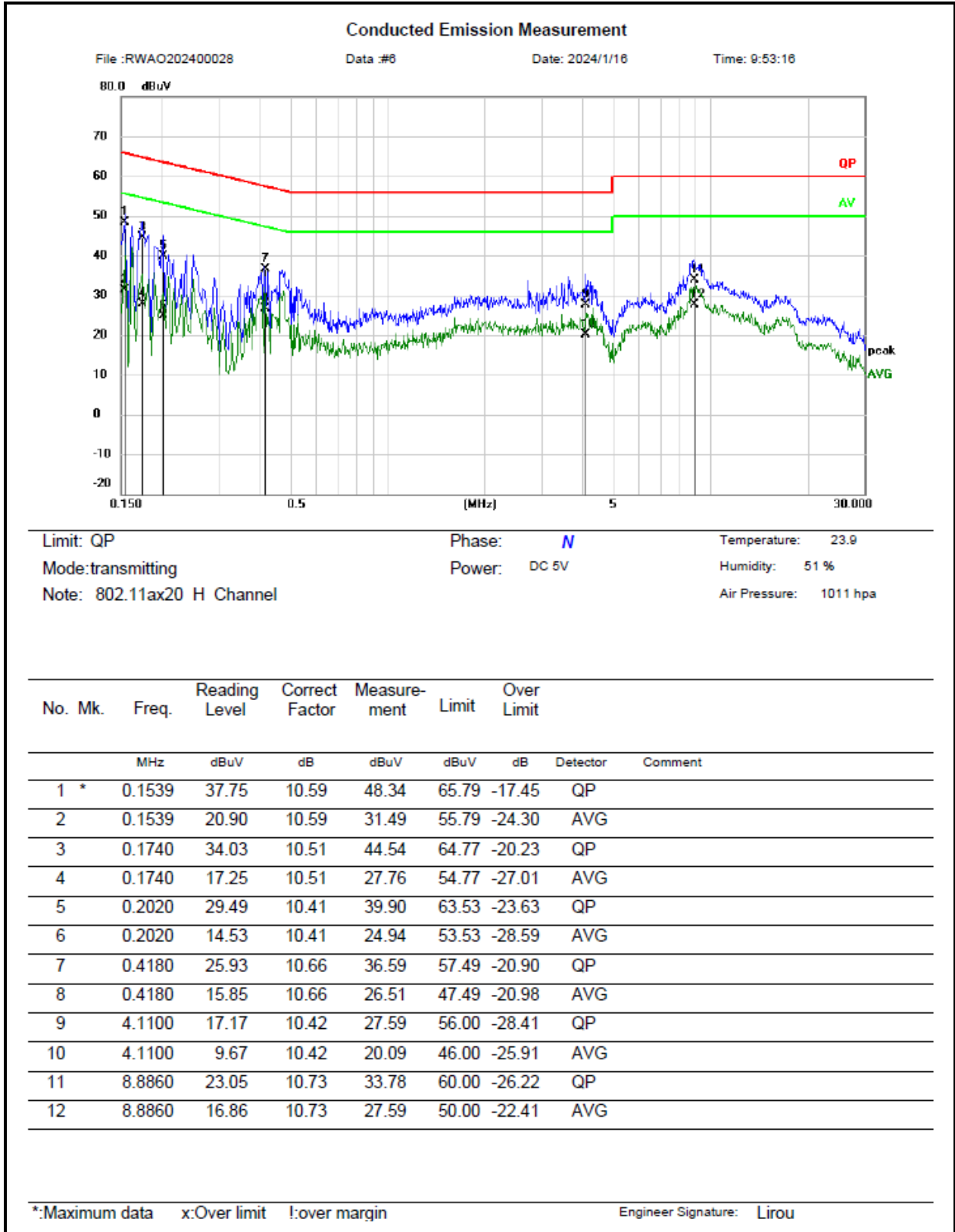
3.2 Limit

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:	2024-01-16	Test By:	Lirou Li
Environment condition:	Temperature: 23.9°C; Relative Humidity:51%; ATM Pressure: 101.1kPa		





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

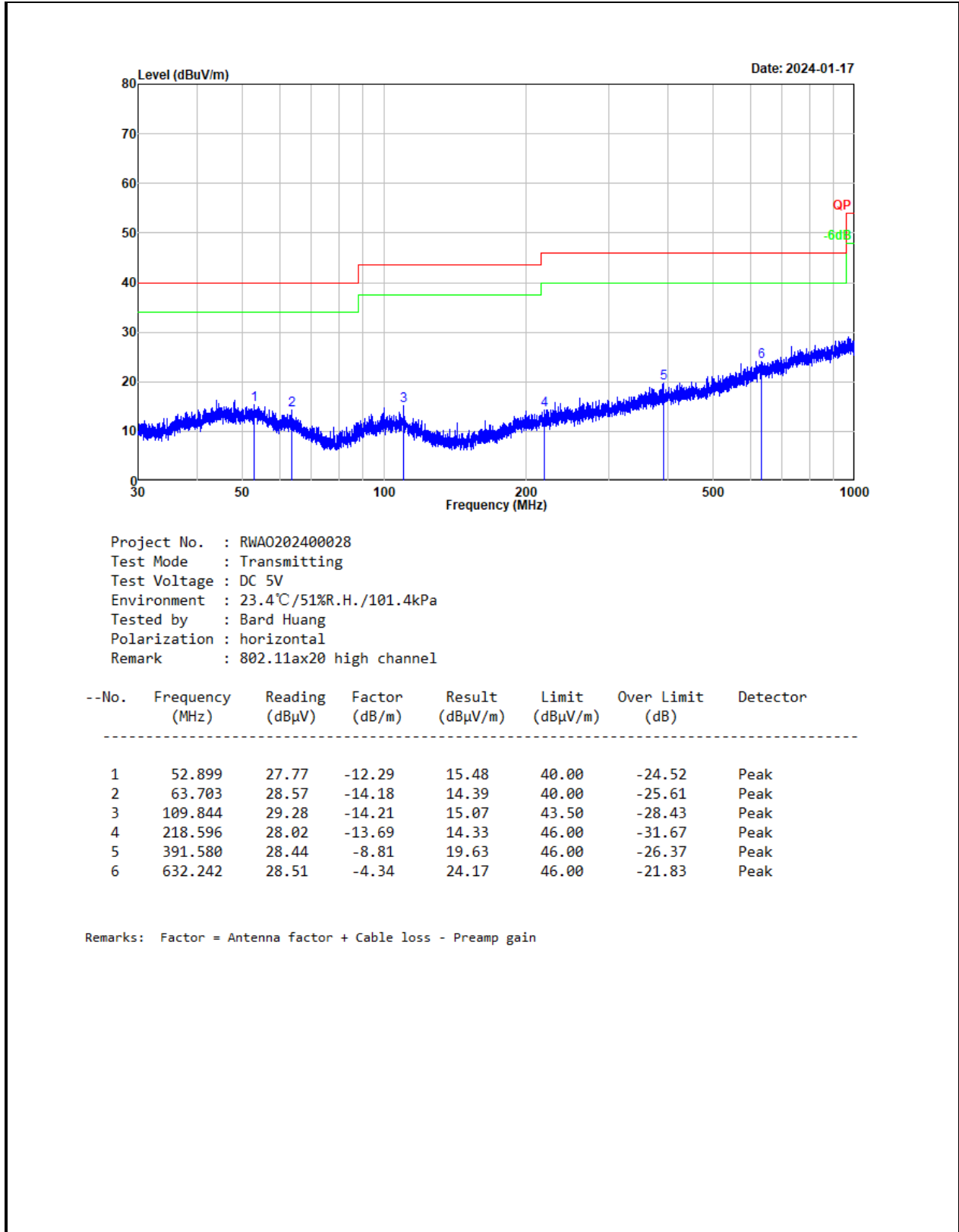
9 kHz-30MHz:

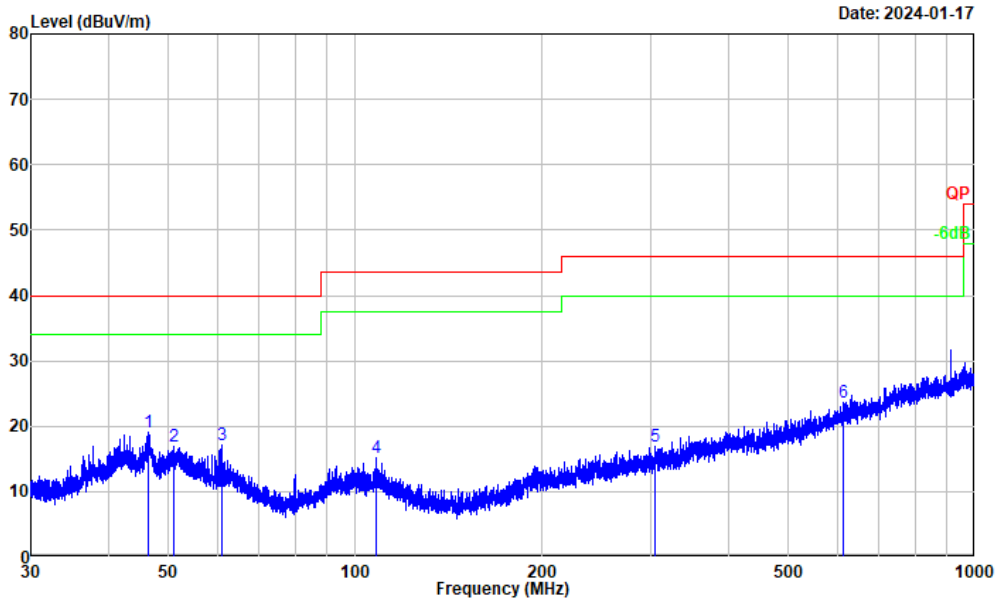
Test Date:	2024-01-17	Test By:	Bard Huang
Environment condition:	Temperature: 23.4°C; Relative Humidity:51%; ATM Pressure: 101.4kPa		

For radiated emissions below 30MHz, there were no emissions found within 20dB of limit.

30MHz-1GHz:

Test Date:	2024-01-17	Test By:	Bard Huang
Environment condition:	Temperature: 23.4°C; Relative Humidity:51%; ATM Pressure: 101.4kPa		





Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/51%R.H./101.4kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11ax20 high channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	46.361	31.32	-12.19	19.13	40.00	-20.87	Peak
2	50.920	29.13	-12.16	16.97	40.00	-23.03	Peak
3	61.105	31.05	-13.85	17.20	40.00	-22.80	Peak
4	107.982	29.17	-14.04	15.13	43.50	-28.37	Peak
5	305.412	28.12	-11.21	16.91	46.00	-29.09	Peak
6	613.138	28.46	-4.74	23.72	46.00	-22.28	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Remark:

$Level = Reading + Factor$

$Factor = Antenna\ factor + Cable\ loss - Amplifier\ gain$

$Over\ Limit = Level - Limit$

Above 1GHz:

Test Date:	2024-02-06	Test By:	Luke Li
Environment condition:	Temperature: 23.4°C; Relative Humidity:61%; ATM Pressure: 101.0kPa		

Frequency (MHz)	Reading level (dBµV)	Polar	Corrected Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
802.11b							
Low Channel							
2390.000	38.07	horizontal	8.25	46.32	54.00	-7.68	Average
2390.000	50.40	horizontal	8.25	58.65	74.00	-15.35	Peak
2390.000	37.90	vertical	8.25	46.15	54.00	-7.85	Average
2390.000	50.00	vertical	8.25	58.25	74.00	-15.75	Peak
4824.000	51.92	horizontal	0.26	52.18	74.00	-21.82	Peak
4824.000	51.60	vertical	0.26	51.86	74.00	-22.14	Peak
Middle Channel							
4884.000	49.50	horizontal	0.46	49.96	54.00	-4.04	Average
4884.000	55.70	horizontal	0.46	56.16	74.00	-17.84	Peak
4884.000	52.83	vertical	0.46	53.29	74.00	-20.71	Peak
High Channel							
2486.473	42.61	horizontal	8.25	50.86	54.00	-3.14	Average
2486.473	53.67	horizontal	8.25	61.92	74.00	-12.08	Peak
2486.193	40.66	vertical	8.25	48.91	54.00	-5.09	Average
2486.193	52.50	vertical	8.25	60.75	74.00	-13.25	Peak
4944.000	49.74	horizontal	0.83	50.57	54.00	-3.43	Average
4944.000	56.08	horizontal	0.83	56.91	74.00	-17.09	Peak
4944.000	50.11	vertical	0.83	50.94	54.00	-3.06	Average
4944.000	56.05	vertical	0.83	56.88	74.00	-17.12	Peak
802.11g							
Low Channel							
2390.000	38.37	horizontal	8.25	46.62	54.00	-7.38	Average
2390.000	51.46	horizontal	8.25	59.71	74.00	-14.29	Peak
2390.000	37.93	vertical	8.25	46.18	54.00	-7.82	Average
2390.000	49.99	vertical	8.25	58.24	74.00	-15.76	Peak
4824.000	51.32	horizontal	0.26	51.58	74.00	-22.42	Peak
4824.000	50.11	vertical	0.26	50.37	74.00	-23.63	Peak
Middle Channel							
4884.000	51.43	horizontal	0.46	51.89	74.00	-22.11	Peak

4884.000	51.08	vertical	0.46	51.54	74.00	-22.46	Peak
High Channel							
2483.500	41.87	horizontal	8.25	50.12	54.00	-3.88	Average
2483.500	58.52	horizontal	8.25	66.77	74.00	-7.23	Peak
2483.500	40.10	vertical	8.25	48.35	54.00	-5.65	Average
2483.500	56.51	vertical	8.25	64.76	74.00	-9.24	Peak
4944.000	41.69	horizontal	0.83	42.52	54.00	-11.48	Average
4944.000	54.04	horizontal	0.83	54.87	74.00	-19.13	Peak
4944.000	52.78	vertical	0.83	53.61	74.00	-20.39	Peak
802.11n20							
Low Channel							
2390.000	37.86	horizontal	8.25	46.11	54.00	-7.89	Average
2390.000	50.23	horizontal	8.25	58.48	74.00	-15.52	Peak
2390.000	37.41	vertical	8.25	45.66	54.00	-8.34	Average
2390.000	50.19	vertical	8.25	58.44	74.00	-15.56	Peak
4824.000	48.74	horizontal	0.26	49.00	74.00	-25.00	Peak
4824.000	48.88	vertical	0.26	49.14	74.00	-24.86	Peak
Middle Channel							
4884.000	49.74	horizontal	0.46	50.20	74.00	-23.80	Peak
4884.000	49.96	vertical	0.46	50.42	74.00	-23.58	Peak
High Channel							
2484.000	42.24	horizontal	8.25	50.49	54.00	-3.51	Average
2484.000	59.74	horizontal	8.25	67.99	74.00	-6.01	Peak
2484.000	40.64	vertical	8.25	48.89	54.00	-5.11	Average
2484.000	56.66	vertical	8.25	64.91	74.00	-9.09	Peak
4944.000	52.04	horizontal	0.83	52.87	74.00	-21.13	Peak
4944.000	50.11	vertical	0.83	50.94	74.00	-23.06	Peak
802.11n40							
Low Channel							
2390.000	39.45	horizontal	8.25	47.70	54.00	-6.30	Average
2390.000	51.59	horizontal	8.25	59.84	74.00	-14.16	Peak
2390.000	38.78	vertical	8.25	47.03	54.00	-6.97	Average
2390.000	51.77	vertical	8.25	60.02	74.00	-13.98	Peak
4844.000	49.32	horizontal	0.30	49.62	74.00	-24.38	Peak
4844.000	49.28	vertical	0.30	49.58	74.00	-24.42	Peak
Middle Channel							
4884.000	50.67	horizontal	0.46	51.13	74.00	-22.87	Peak
4884.000	50.64	vertical	0.46	51.10	74.00	-22.90	Peak

High Channel							
2483.942	41.42	horizontal	8.25	49.67	54.00	-4.33	Average
2483.942	59.84	horizontal	8.25	68.09	74.00	-5.91	Peak
2483.852	39.59	vertical	8.25	47.84	54.00	-6.16	Average
2483.852	56.64	vertical	8.25	64.89	74.00	-9.11	Peak
4924.000	51.91	horizontal	0.69	52.60	74.00	-21.40	Peak
4924.000	51.41	vertical	0.69	52.10	74.00	-21.90	Peak
802.11ax20							
Low Channel							
2390.000	38.46	horizontal	8.25	46.71	54.00	-7.29	Average
2390.000	51.87	horizontal	8.25	60.12	74.00	-13.88	Peak
2390.000	38.21	vertical	8.25	46.46	54.00	-7.54	Average
2390.000	51.44	vertical	8.25	59.69	74.00	-14.31	Peak
4824.000	50.11	horizontal	0.26	50.37	74.00	-23.63	Peak
4824.000	49.51	vertical	0.26	49.77	74.00	-24.23	Peak
Middle Channel							
4884.000	52.04	horizontal	0.46	52.50	74.00	-21.50	Peak
4884.000	50.74	vertical	0.46	51.20	74.00	-22.80	Peak
High Channel							
2483.552	41.82	horizontal	8.25	50.07	54.00	-3.93	Average
2483.552	61.48	horizontal	8.25	69.73	74.00	-4.27	Peak
2483.512	40.41	vertical	8.25	48.66	54.00	-5.34	Average
2483.512	60.71	vertical	8.25	68.96	74.00	-5.04	Peak
4944.000	52.63	horizontal	0.83	53.46	74.00	-20.54	Peak
4944.000	52.50	vertical	0.83	53.33	74.00	-20.67	Peak

Remark:

Corrected Amplitude= Reading level + corrected Factor

Corrected Factor = Antenna factor + Cable loss – Amplifier gain

Margin = Corrected Amplitude – Limit

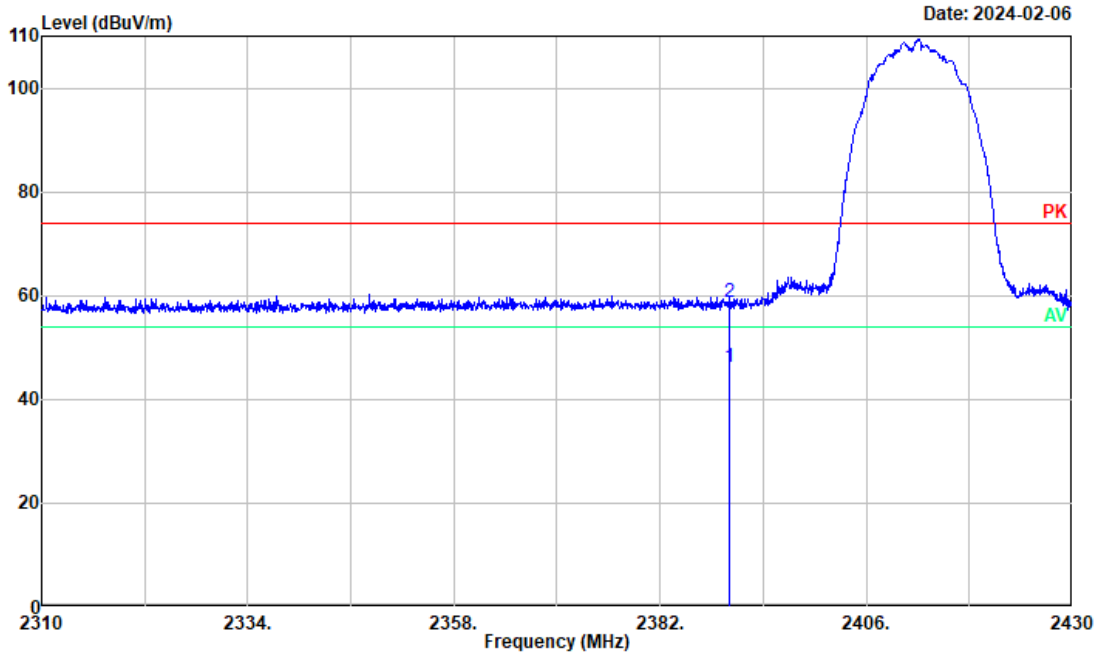
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

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 Band edge as below:

Mode:	802.11b	Channel:	2412MHz
--------------	---------	-----------------	---------

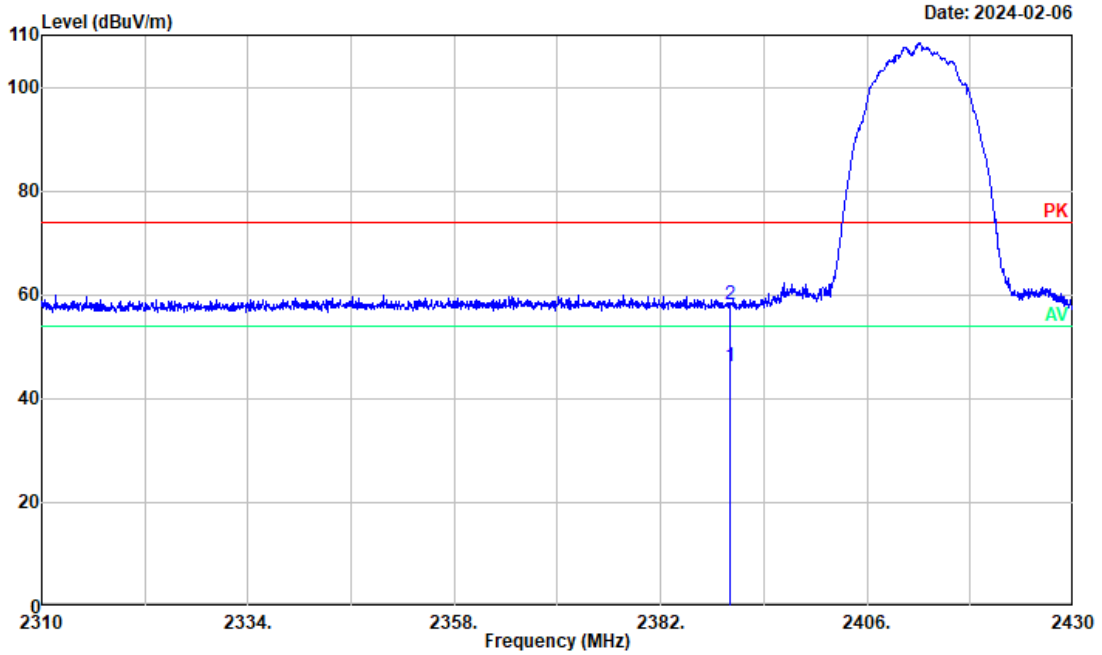


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11b Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	38.07	8.25	46.32	54.00	-7.68	Average
2	2390.000	50.40	8.25	58.65	74.00	-15.35	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11b	Channel:	2412MHz
--------------	---------	-----------------	---------

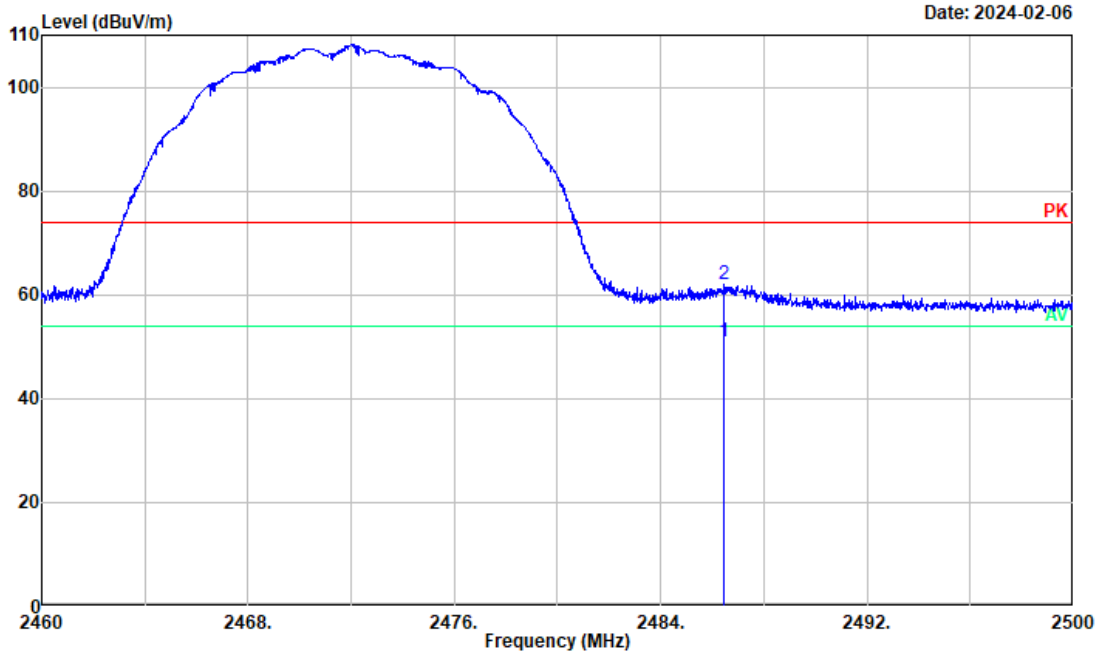


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11b Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	37.90	8.25	46.15	54.00	-7.85	Average
2	2390.000	50.00	8.25	58.25	74.00	-15.75	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11b	Channel:	2472MHz
--------------	---------	-----------------	---------

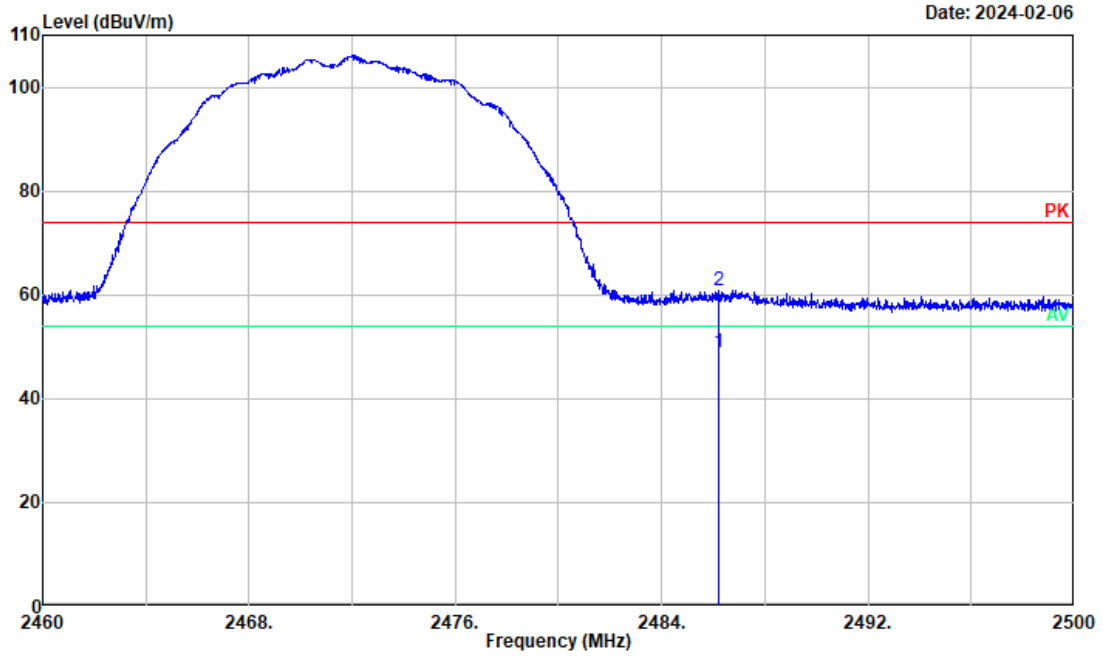


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11b High Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2486.473	42.61	8.25	50.86	54.00	-3.14	Average
2	2486.473	53.67	8.25	61.92	74.00	-12.08	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11b	Channel:	2472MHz
--------------	---------	-----------------	---------

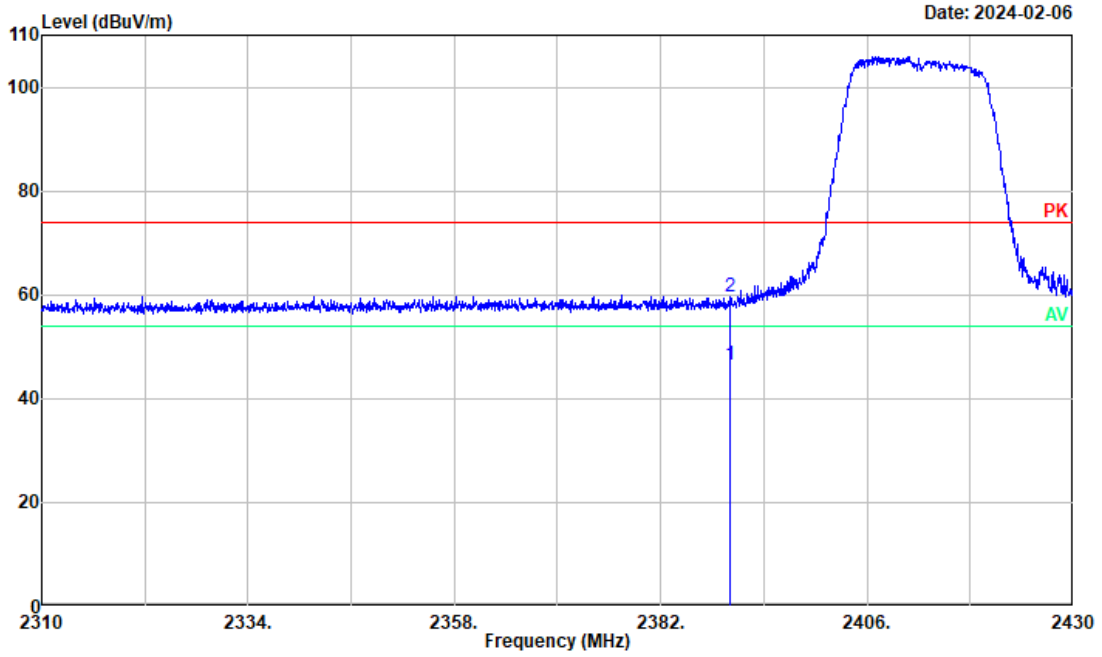


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11b High Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2486.193	40.66	8.25	48.91	54.00	-5.09	Average
2	2486.193	52.50	8.25	60.75	74.00	-13.25	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11g	Channel:	2412MHz
--------------	---------	-----------------	---------

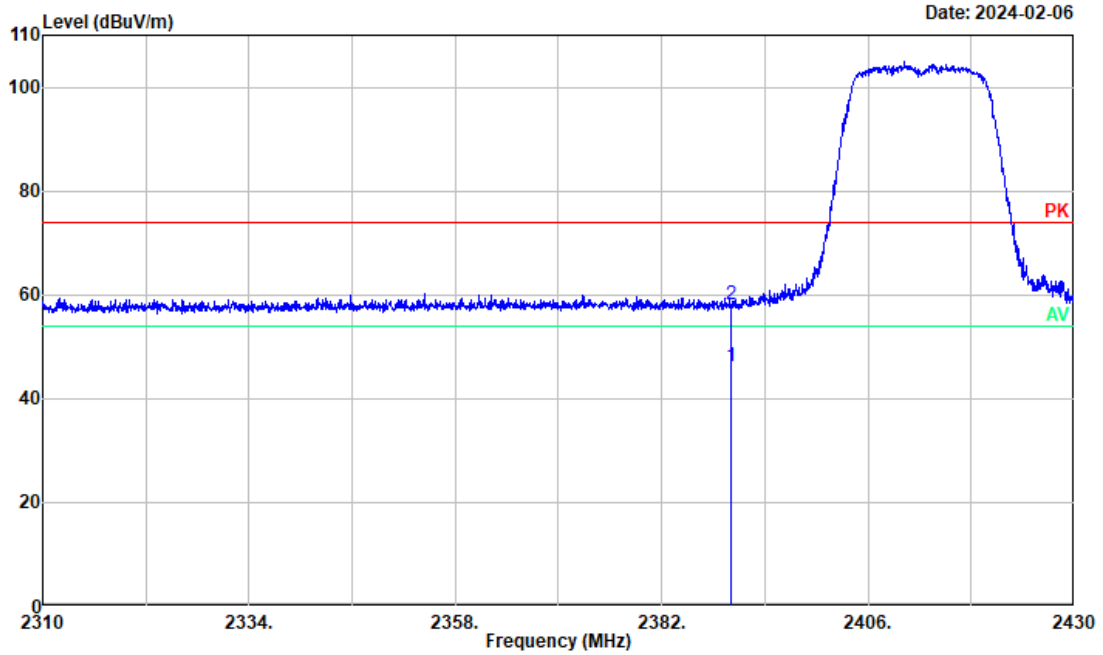


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11g Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	38.37	8.25	46.62	54.00	-7.38	Average
2	2390.000	51.46	8.25	59.71	74.00	-14.29	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11g	Channel:	2412MHz
--------------	---------	-----------------	---------

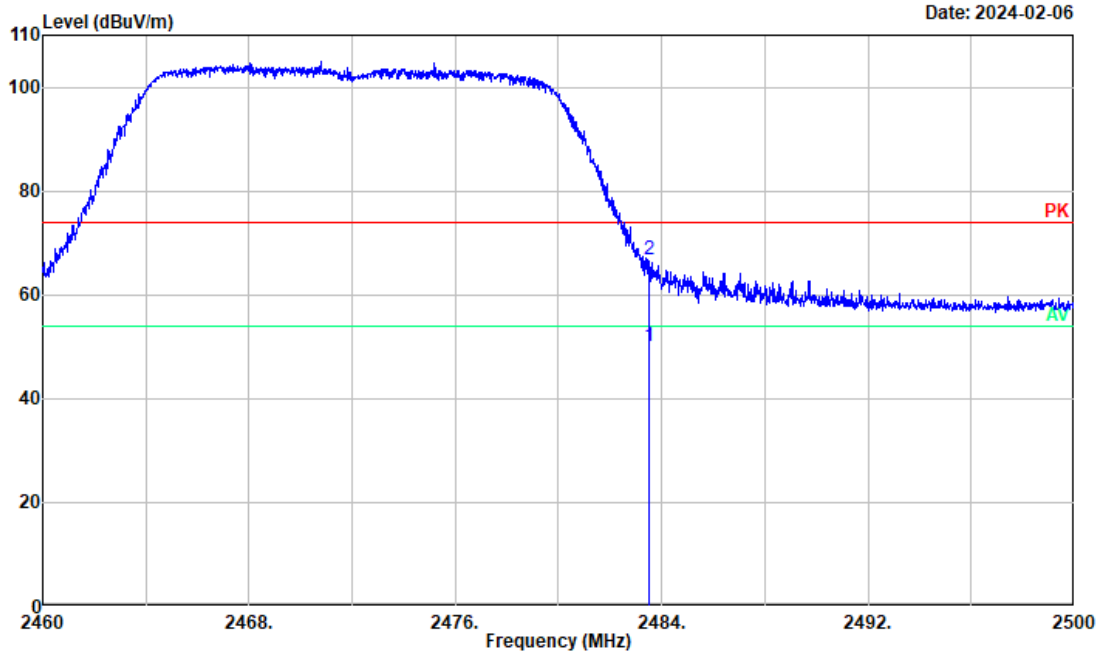


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11g Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	37.93	8.25	46.18	54.00	-7.82	Average
2	2390.000	49.99	8.25	58.24	74.00	-15.76	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11g	Channel:	2472MHz
--------------	---------	-----------------	---------

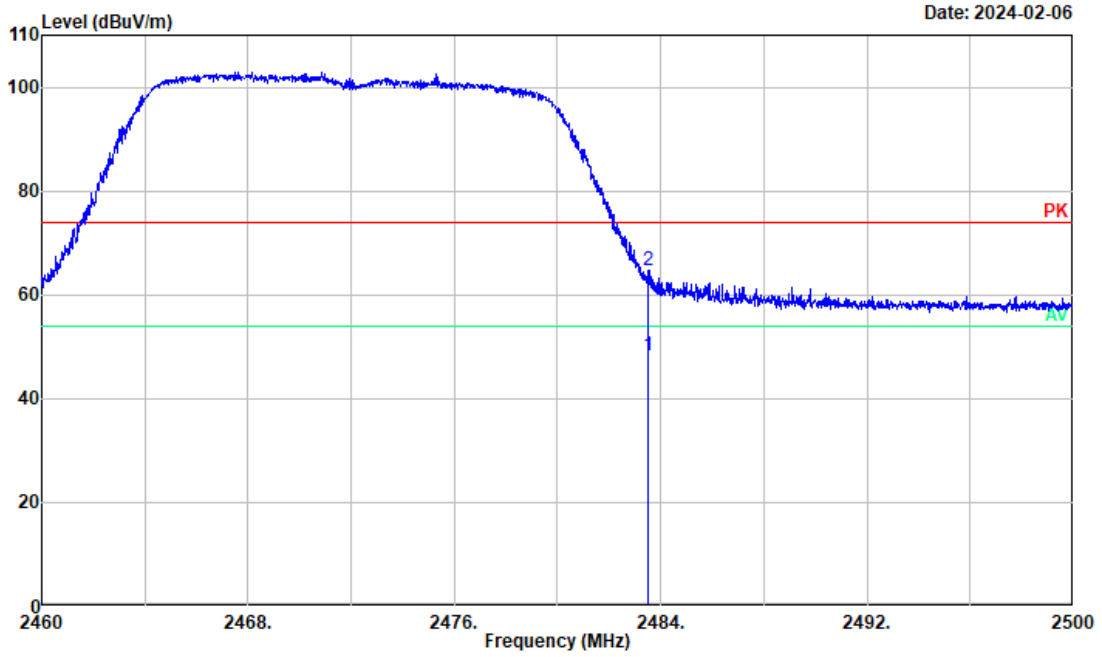


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11g High Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	41.87	8.25	50.12	54.00	-3.88	Average
2	2483.500	58.52	8.25	66.77	74.00	-7.23	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11g	Channel:	2472MHz
--------------	---------	-----------------	---------

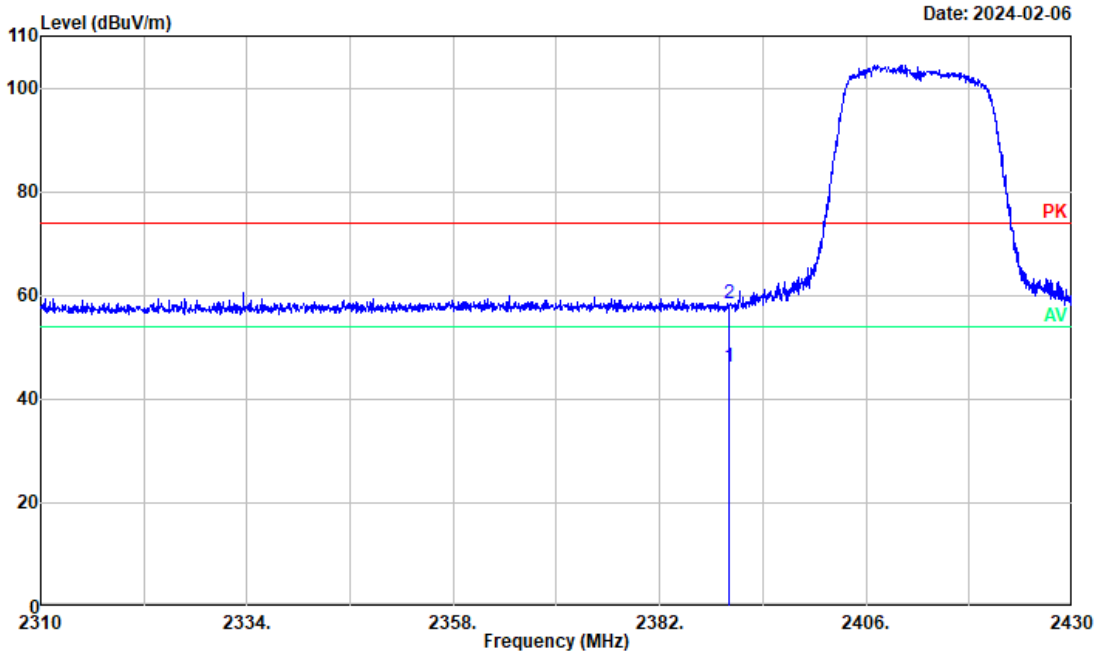


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11g High Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	40.10	8.25	48.35	54.00	-5.65	Average
2	2483.500	56.51	8.25	64.76	74.00	-9.24	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11n20	Channel:	2412MHz
--------------	-----------	-----------------	---------

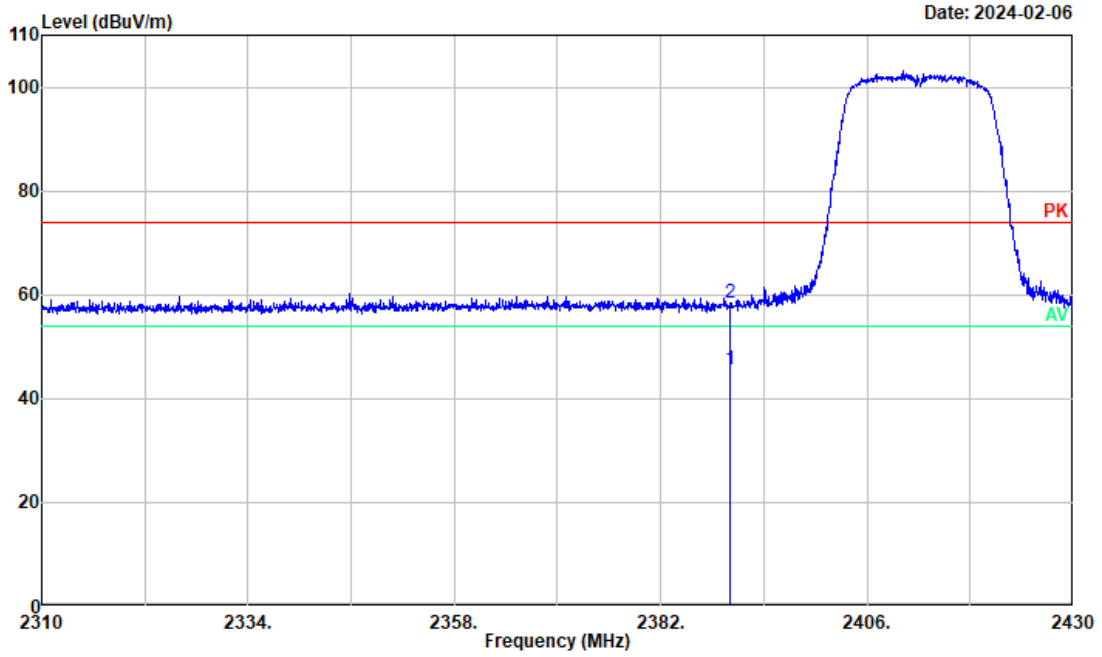


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11n20 Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	37.86	8.25	46.11	54.00	-7.89	Average
2	2390.000	50.23	8.25	58.48	74.00	-15.52	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11n20	Channel:	2412MHz
--------------	-----------	-----------------	---------

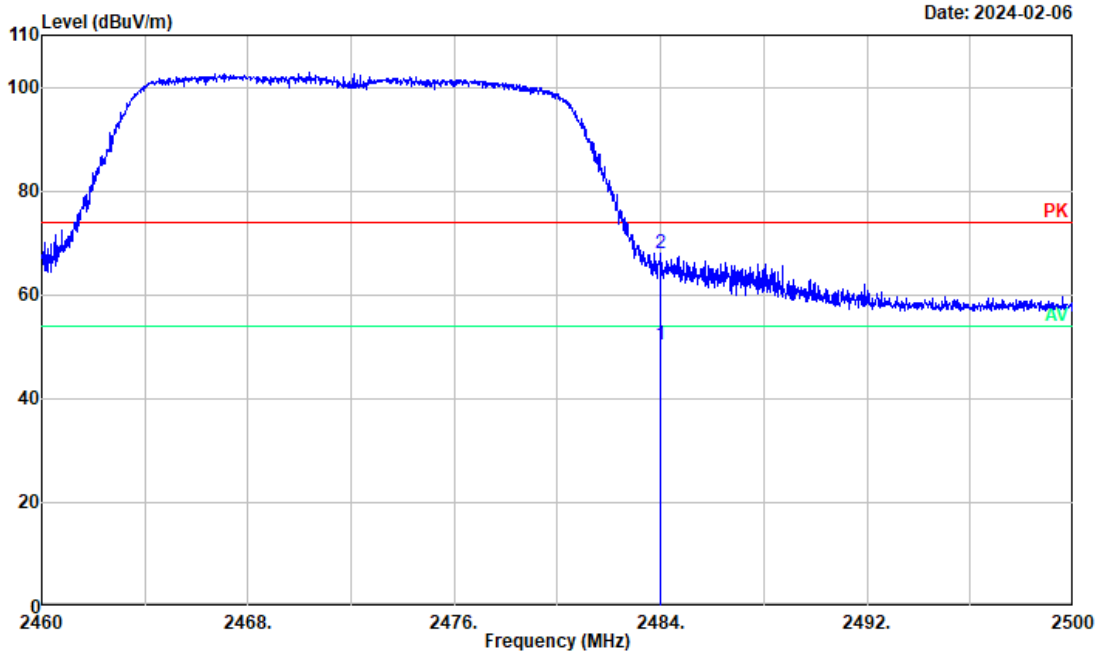


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11n20 Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	37.41	8.25	45.66	54.00	-8.34	Average
2	2390.000	50.19	8.25	58.44	74.00	-15.56	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11n20	Channel:	2472MHz
--------------	-----------	-----------------	---------

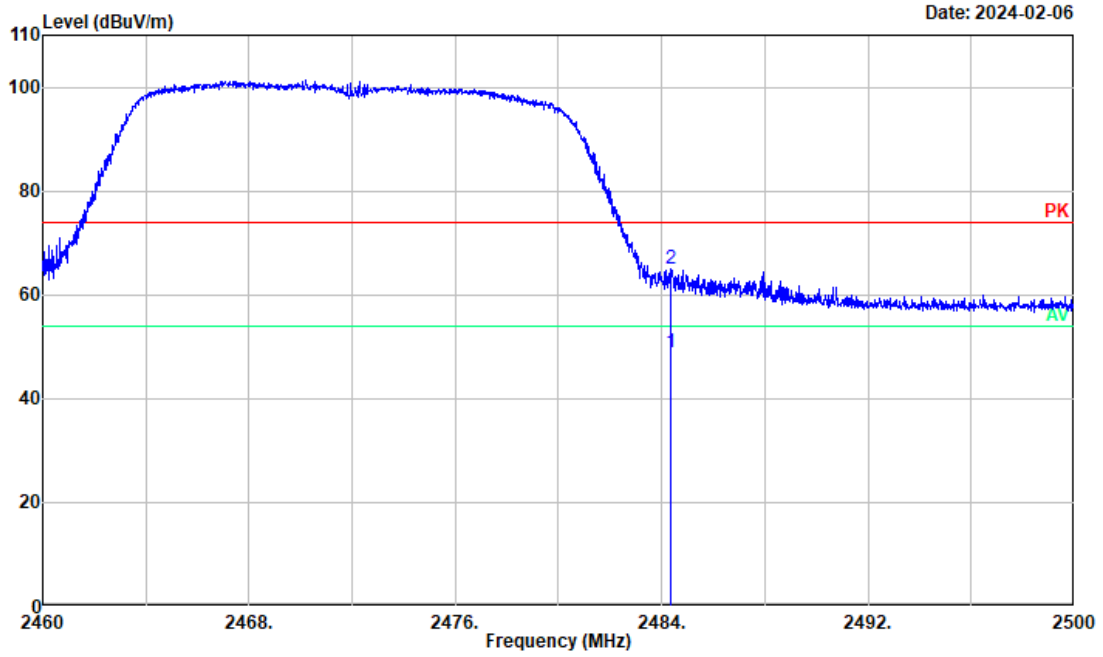


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11n20 High Channel

--No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Detector
1	2484.000	42.24	8.25	50.49	54.00	-3.51	Average
2	2484.000	59.74	8.25	67.99	74.00	-6.01	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11n20	Channel:	2472MHz
--------------	-----------	-----------------	---------

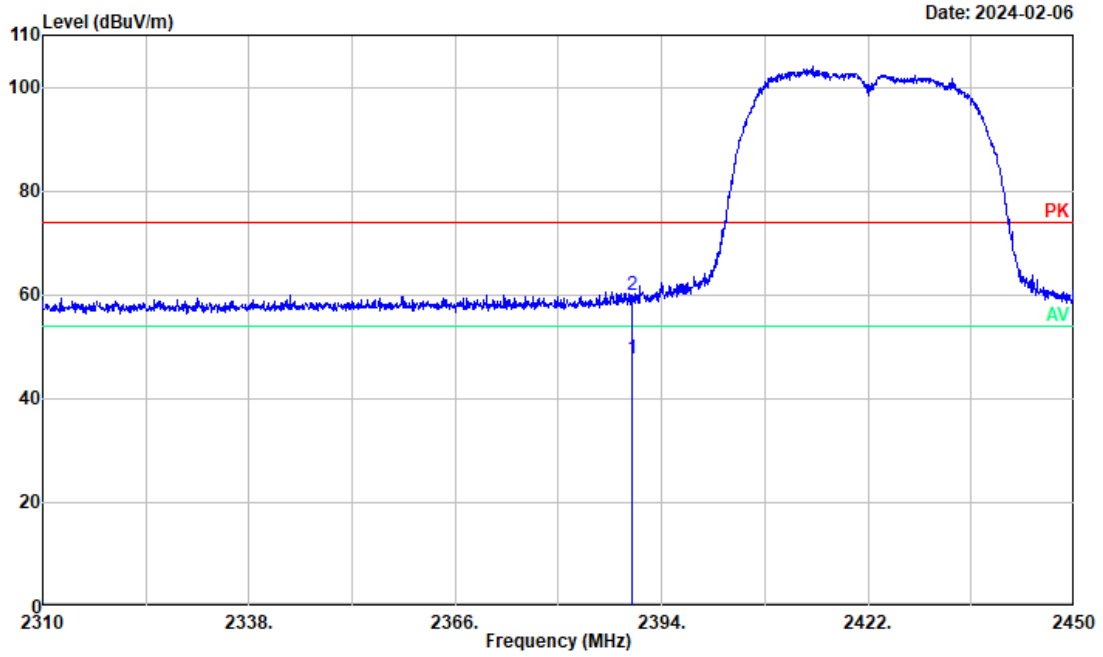


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11n20 High Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2484.332	40.64	8.25	48.89	54.00	-5.11	Average
2	2484.332	56.66	8.25	64.91	74.00	-9.09	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11n40	Channel:	2422MHz
--------------	-----------	-----------------	---------

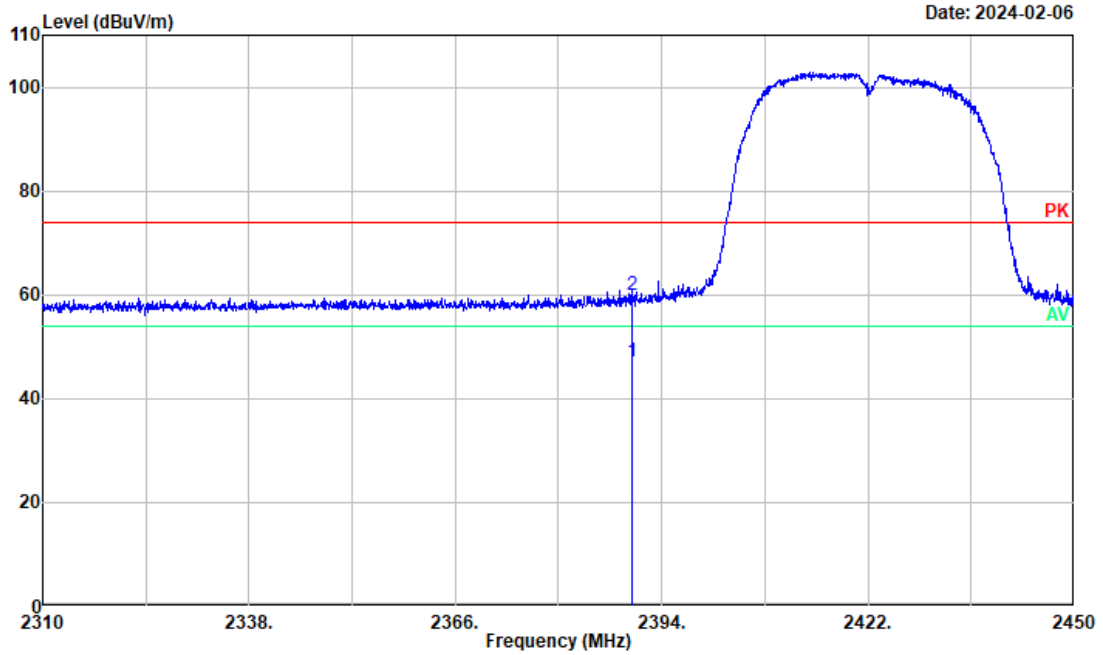


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11n40 Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	39.45	8.25	47.70	54.00	-6.30	Average
2	2390.000	51.59	8.25	59.84	74.00	-14.16	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11n40	Channel:	2422MHz
--------------	-----------	-----------------	---------

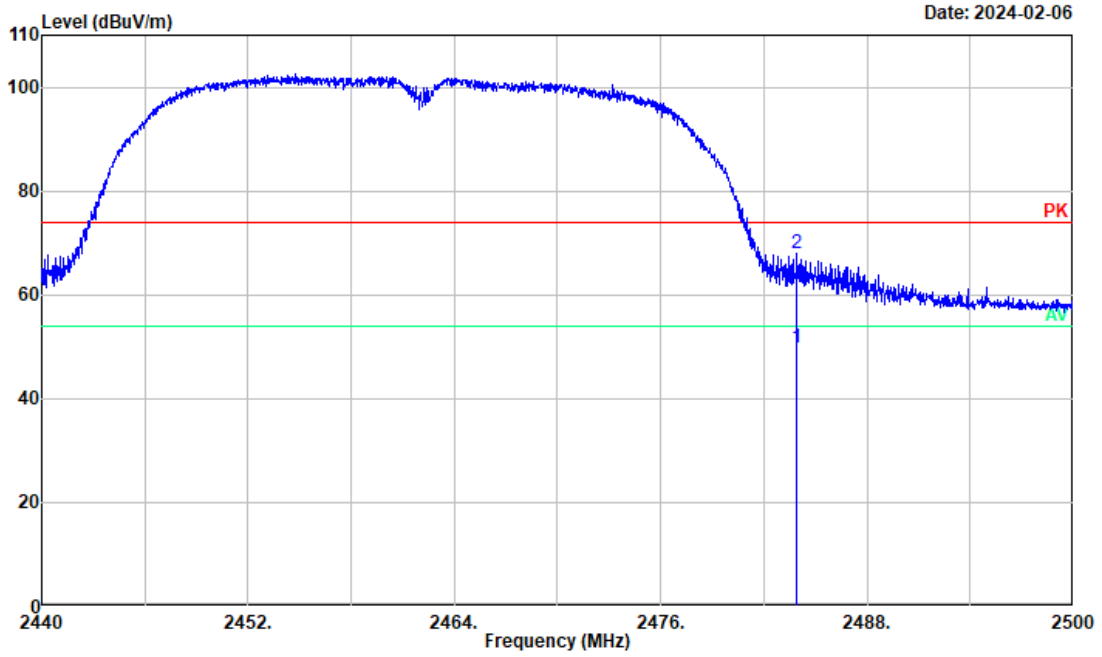


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11n40 Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	38.78	8.25	47.03	54.00	-6.97	Average
2	2390.000	51.77	8.25	60.02	74.00	-13.98	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11n40	Channel:	2462MHz
--------------	-----------	-----------------	---------

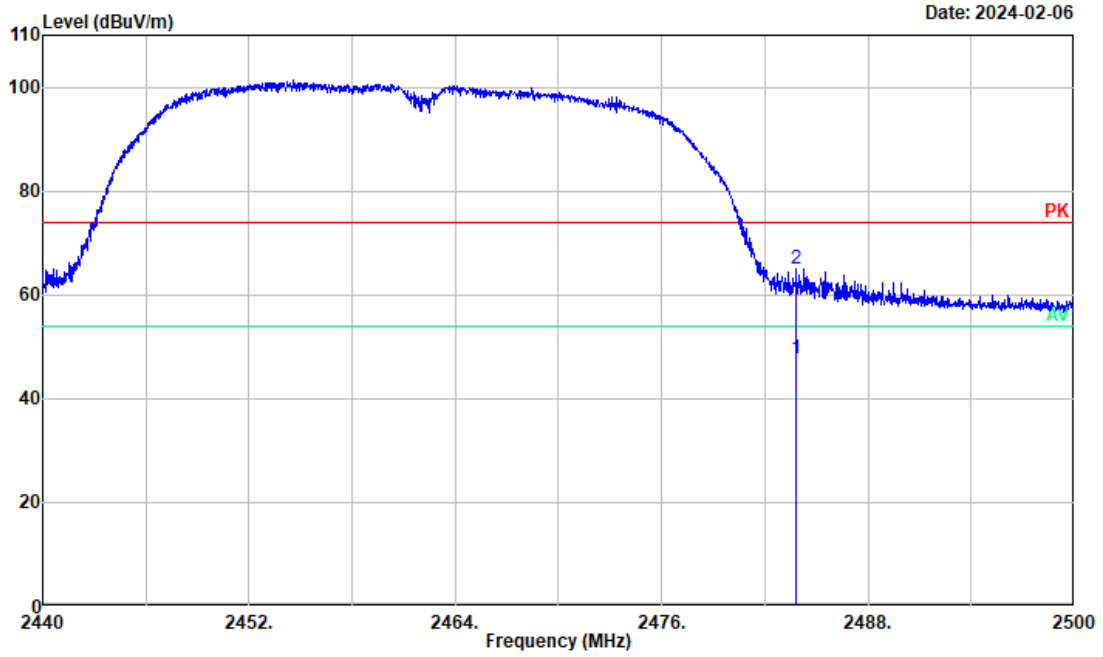


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11n40 High Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.942	41.42	8.25	49.67	54.00	-4.33	Average
2	2483.942	59.84	8.25	68.09	74.00	-5.91	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

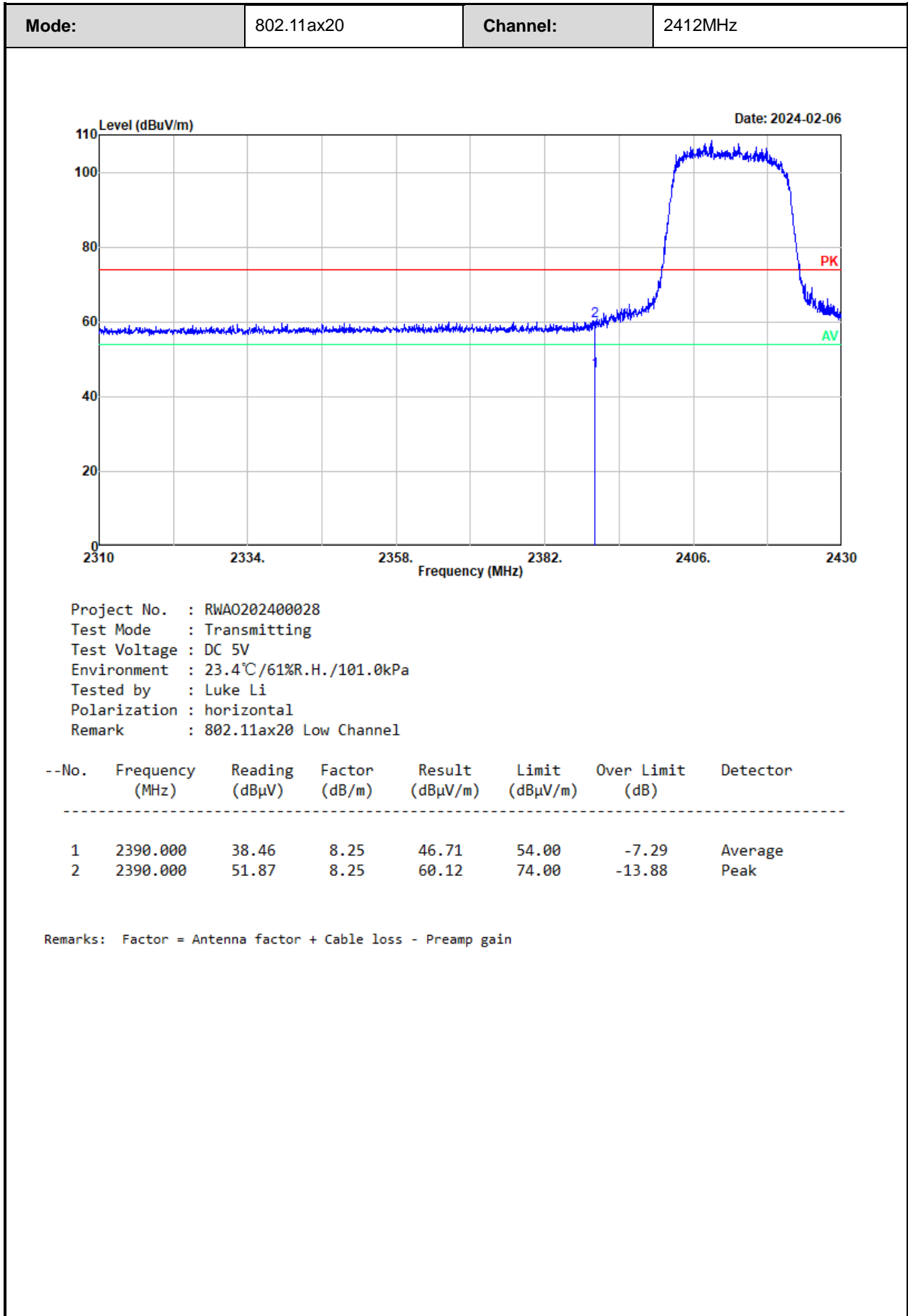
Mode:	802.11n40	Channel:	2462MHz
--------------	-----------	-----------------	---------



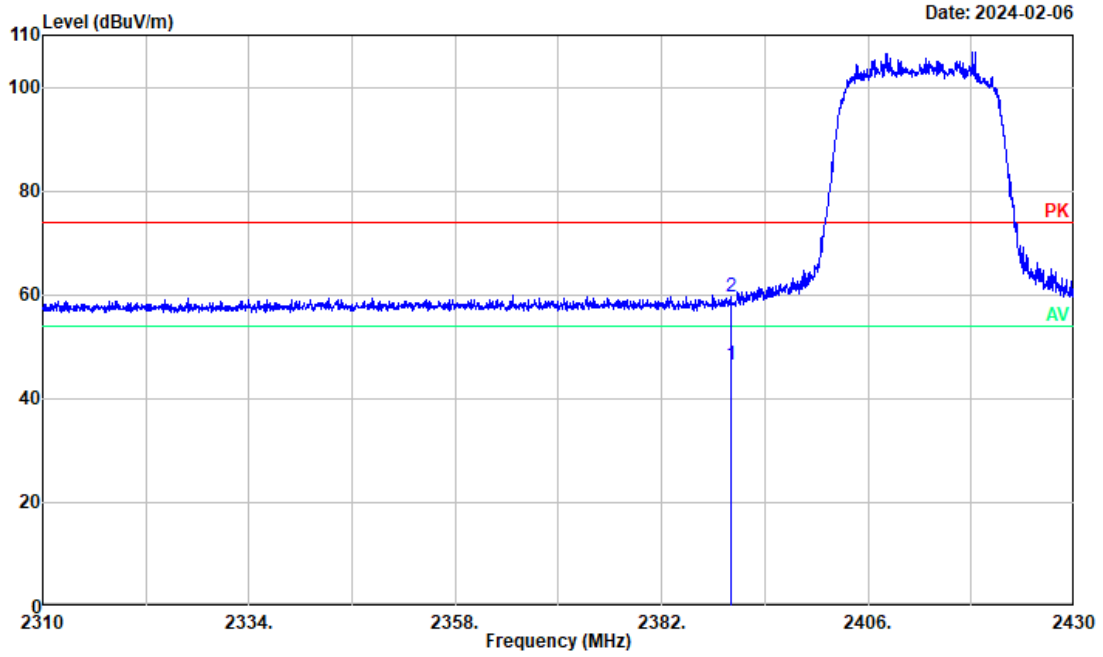
Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11n40 High Channel

--No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Detector
1	2483.852	39.59	8.25	47.84	54.00	-6.16	Average
2	2483.852	56.64	8.25	64.89	74.00	-9.11	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain



Mode:	802.11ax20	Channel:	2412MHz
--------------	------------	-----------------	---------

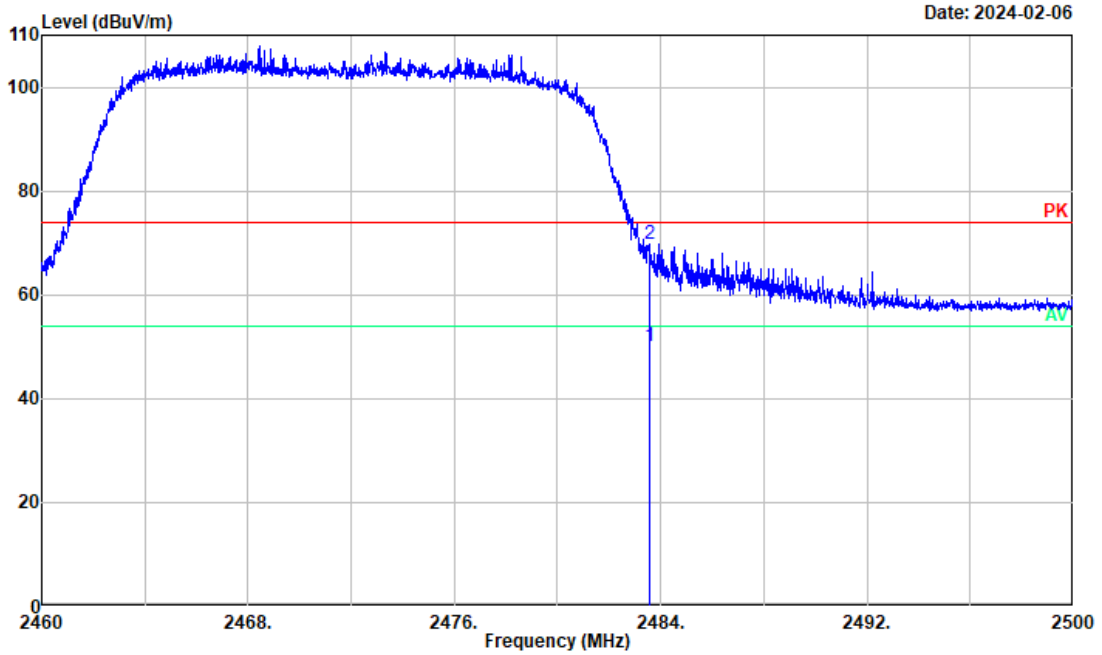


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11ax20 Low Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	38.21	8.25	46.46	54.00	-7.54	Average
2	2390.000	51.44	8.25	59.69	74.00	-14.31	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11ax20	Channel:	2472MHz
--------------	------------	-----------------	---------

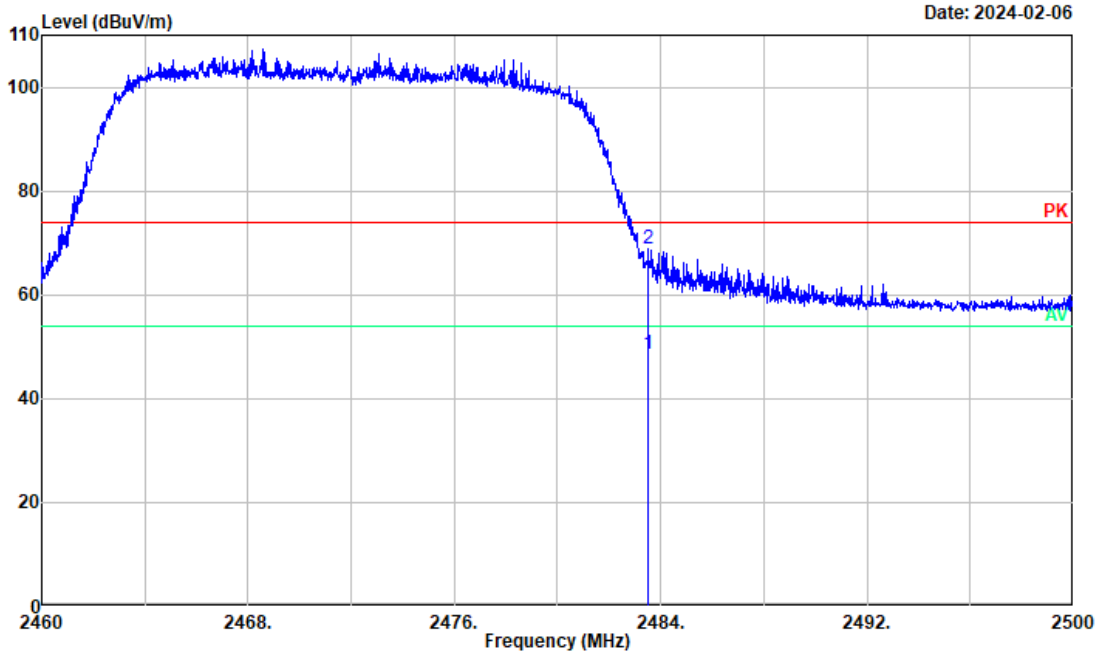


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11ax20 High Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.552	41.82	8.25	50.07	54.00	-3.93	Average
2	2483.552	61.48	8.25	69.73	74.00	-4.27	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Mode:	802.11ax20	Channel:	2472MHz
--------------	------------	-----------------	---------

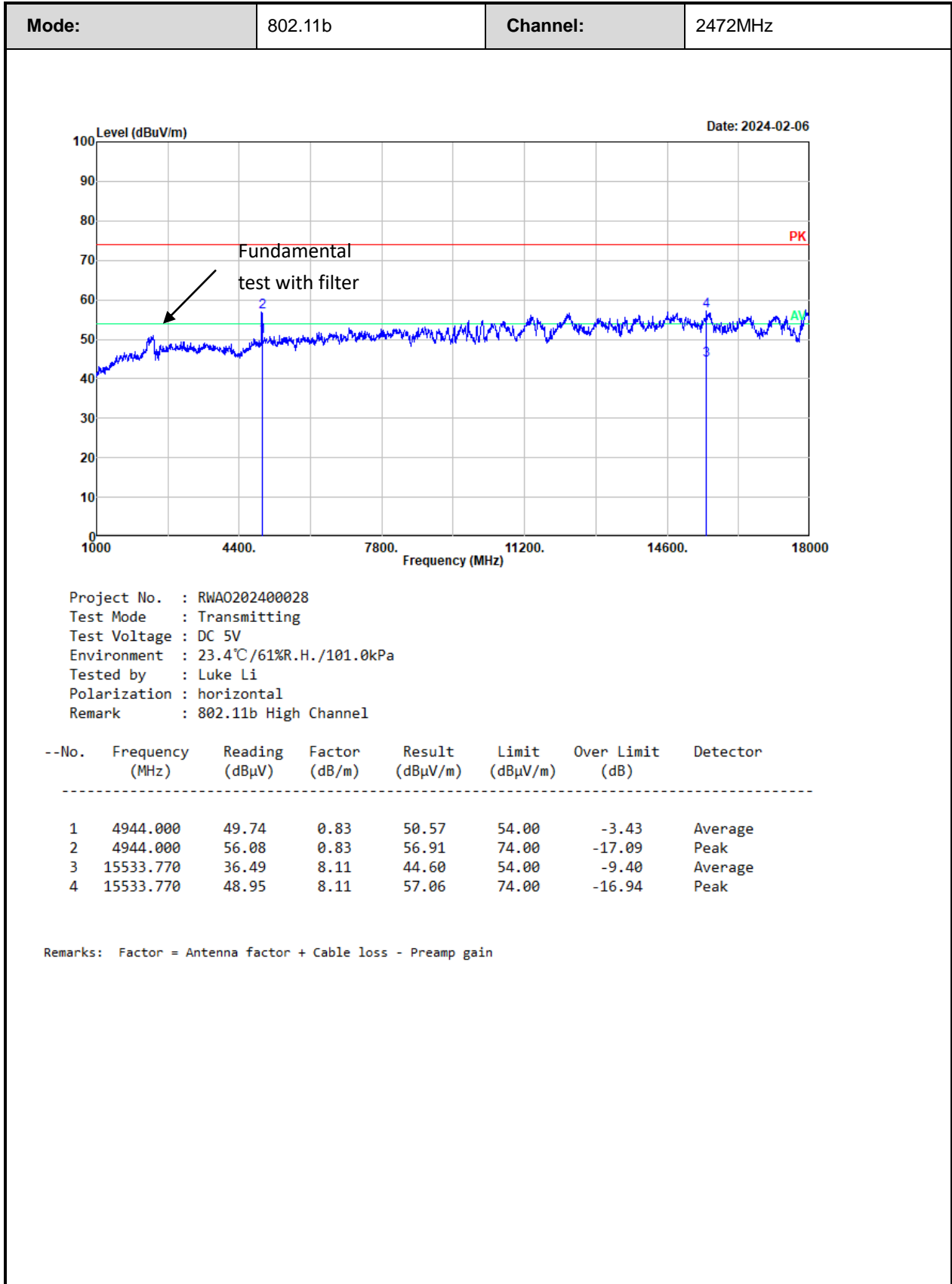


Project No. : RWA0202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11ax20 High Channel

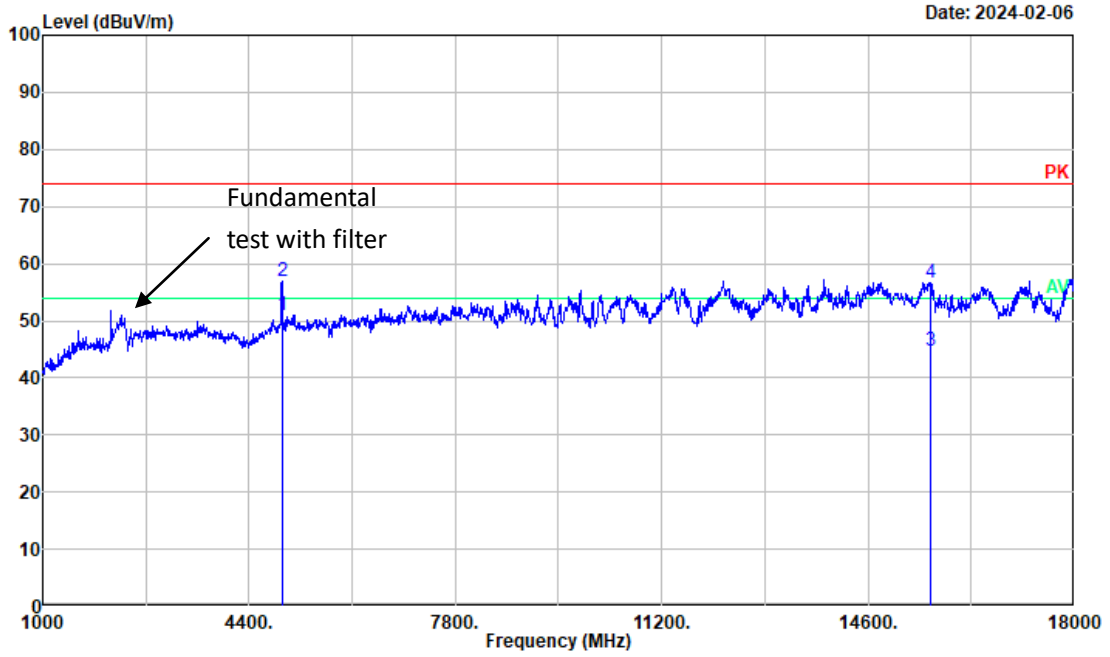
--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.512	40.41	8.25	48.66	54.00	-5.34	Average
2	2483.512	60.71	8.25	68.96	74.00	-5.04	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Test plot for example as below:



Mode:	802.11b	Channel:	2472MHz
--------------	---------	-----------------	---------



Project No. : RWAO202400028
 Test Mode : Transmitting
 Test Voltage : DC 5V
 Environment : 23.4°C/61%R.H./101.0kPa
 Tested by : Luke Li
 Polarization : vertical
 Remark : 802.11b High Channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	4944.000	50.11	0.83	50.94	54.00	-3.06	Average
2	4944.000	56.05	0.83	56.88	74.00	-17.12	Peak
3	15618.810	36.71	8.02	44.73	54.00	-9.27	Average
4	15618.810	48.74	8.02	56.76	74.00	-17.24	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

3.5 RF Conducted Test Data

Test Date:	2024-02-06 to 2024-02-26	Test By:	Ryan Zhang
Environment condition:	Temperature: 22.4~26°C; Relative Humidity: 61~64%; ATM Pressure: 101.4~101.9kPa		

3.5.1 6 dB Emission Bandwidth and 99% Occupied Bandwidth

Test Mode	Antenna	Channel	6dB BW [MHz]	99% OBW[MHz]	6dB BW Limit[MHz]	Verdict
11B	Ant1	2412	8.833	12.821	0.5	pass
		2442	9.218	12.821	0.5	pass
		2472	8.769	12.756	0.5	pass
11G	Ant1	2412	15.513	16.474	0.5	pass
		2442	15.513	16.474	0.5	pass
		2472	15.962	16.474	0.5	pass
11N20	Ant1	2412	16.154	17.308	0.5	pass
		2442	16.154	17.372	0.5	pass
		2472	16.141	17.244	0.5	pass
11N40	Ant1	2422	27.821	31.410	0.5	pass
		2442	27.821	31.282	0.5	pass
		2462	27.821	31.410	0.5	pass
11AX20	Ant1	2412	16.795	18.013	0.5	pass
		2442	16.987	18.013	0.5	pass
		2472	16.667	18.013	0.5	pass

3.5.2 Maximum Conducted Peak Output Power

Test Mode	Antenna	Channel [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	22.13	30	Pass
		2442	23.69	30	Pass
		2472	24.01	30	Pass
11G	Ant1	2412	22.49	30	Pass
		2442	23.98	30	Pass
		2472	24.48	30	Pass
11N20	Ant1	2412	21.21	30	Pass
		2442	22.86	30	Pass
		2472	23.46	30	Pass
11N40	Ant1	2422	23.04	30	Pass
		2442	24.26	30	Pass

		2462	25.35	30	Pass
11AX20	Ant1	2412	24.35	30	Pass
		2442	26.17	30	Pass
		2472	27.09	30	Pass

3.5.3 Maximum Conducted Average Output Power

Test Mode	Antenna	Channel [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.68	30	Pass
		2442	15.39	30	Pass
		2472	15.90	30	Pass
11G	Ant1	2412	12.29	30	Pass
		2442	14.11	30	Pass
		2472	14.64	30	Pass
11N20	Ant1	2412	11.16	30	Pass
		2442	12.86	30	Pass
		2472	13.49	30	Pass
11N40	Ant1	2422	12.83	30	Pass
		2442	14.06	30	Pass
		2462	15.14	30	Pass
11AX20	Ant1	2412	12.20	30	Pass
		2442	14.10	30	Pass
		2472	14.70	30	Pass

Note: Report only

3.5.4 Power Spectral Density

Test Mode	Antenna	Channel [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-10.82	8	Pass
		2442	-9.21	8	Pass
		2472	-9.10	8	Pass
11G	Ant1	2412	-14.72	8	Pass
		2442	-12.40	8	Pass
		2472	-11.71	8	Pass
11N20	Ant1	2412	-14.66	8	Pass
		2442	-14.31	8	Pass
		2472	-12.68	8	Pass
11N40	Ant1	2422	-16.18	8	Pass
		2442	-15.03	8	Pass
		2462	-14.28	8	Pass
11AX20	Ant1	2412	-11.28	8	Pass

		2442	-9.78	8	Pass
		2472	-9.12	8	Pass

3.5.5 100 kHz Bandwidth of Frequency Band Edge

Test Mode	Antenna	Channel	Result	Limit	Verdict
11B	Ant1	2412	Refer test plot	Refer test plot	Pass
		2472	Refer test plot	Refer test plot	Pass
11G	Ant1	2412	Refer test plot	Refer test plot	Pass
		2472	Refer test plot	Refer test plot	Pass
11N20	Ant1	2412	Refer test plot	Refer test plot	Pass
		2472	Refer test plot	Refer test plot	Pass
11N40	Ant1	2422	Refer test plot	Refer test plot	Pass
		2462	Refer test plot	Refer test plot	Pass
11AX20	Ant1	2412	Refer test plot	Refer test plot	Pass
		2472	Refer test plot	Refer test plot	Pass

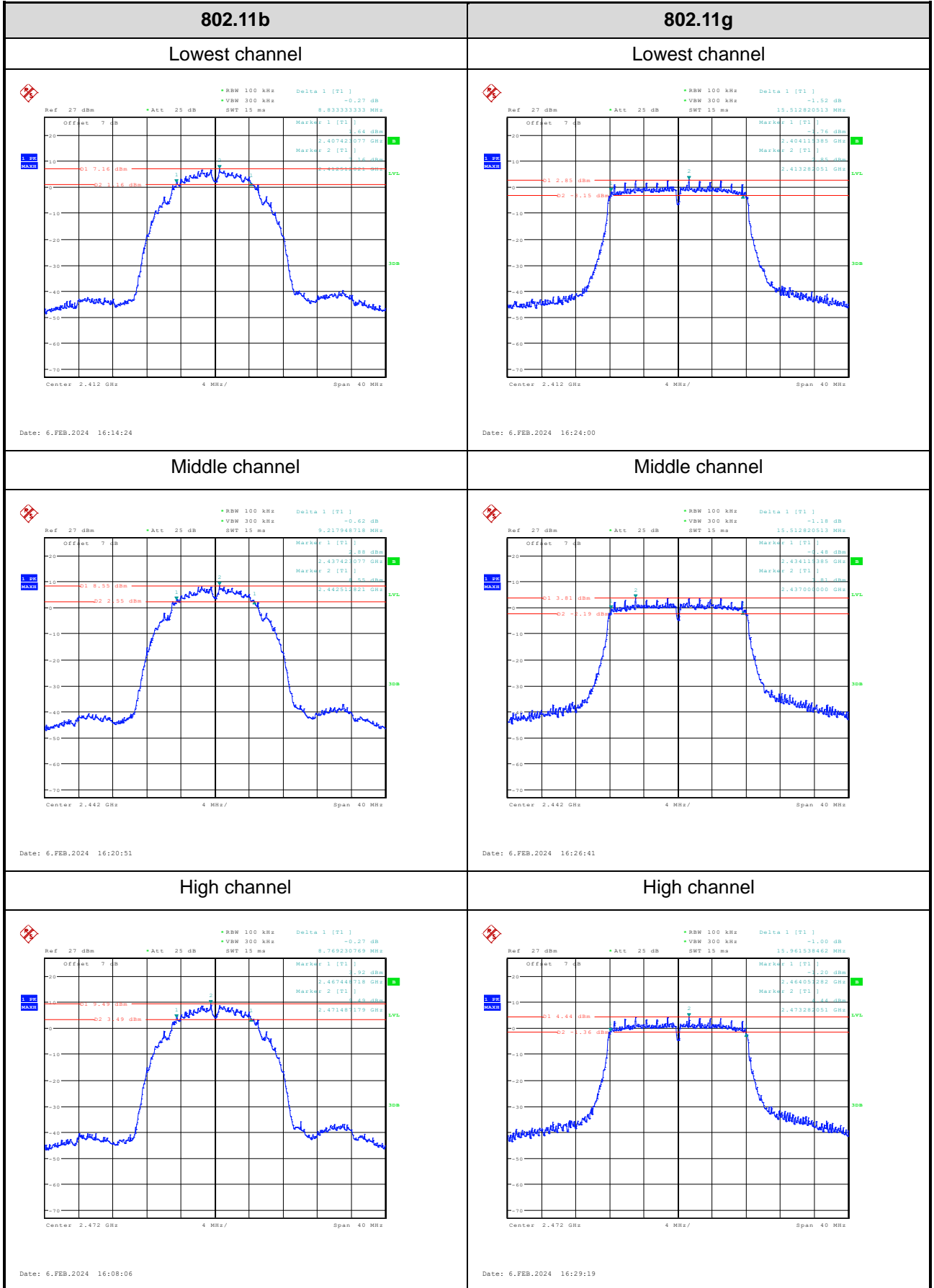
3.5.6 Duty Cycle

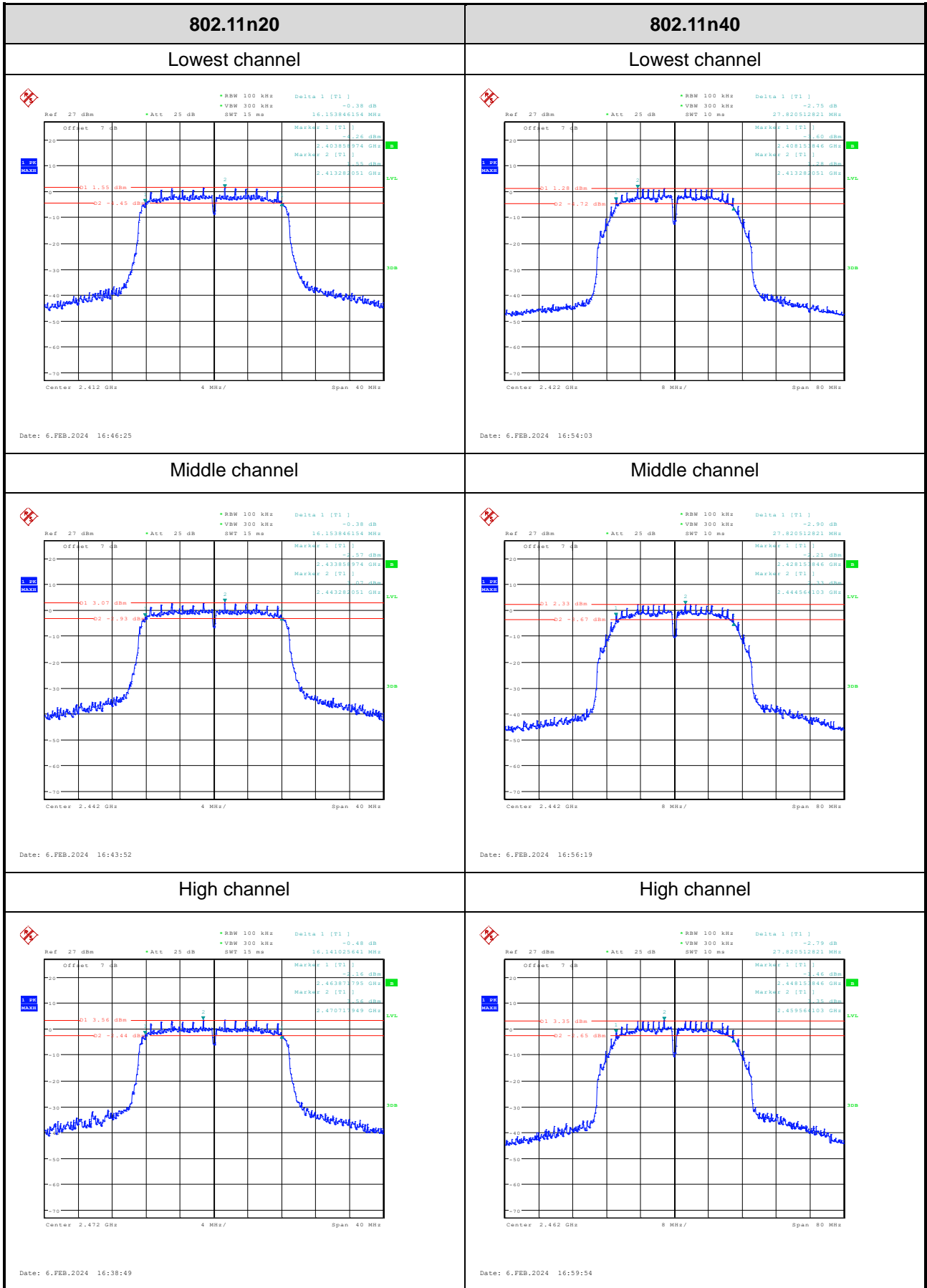
Test Mode	Antenna	Channel	Ton (ms)	Ton+off (ms)	Duty Cycle [%]	1/T	VBW setting* [Hz]
11B	Ant1	2442	100	100	100	/	10
11G	Ant1	2442	100	100	100	/	10
11N20	Ant1	2442	100	100	100	/	10
11N40	Ant1	2442	100	100	100	/	10
11AX20	Ant1	2442	100	100	100	/	10

Note*: Radiated emission test with average value, the Spectrum analyzer VBW setting information.

Test Plots:

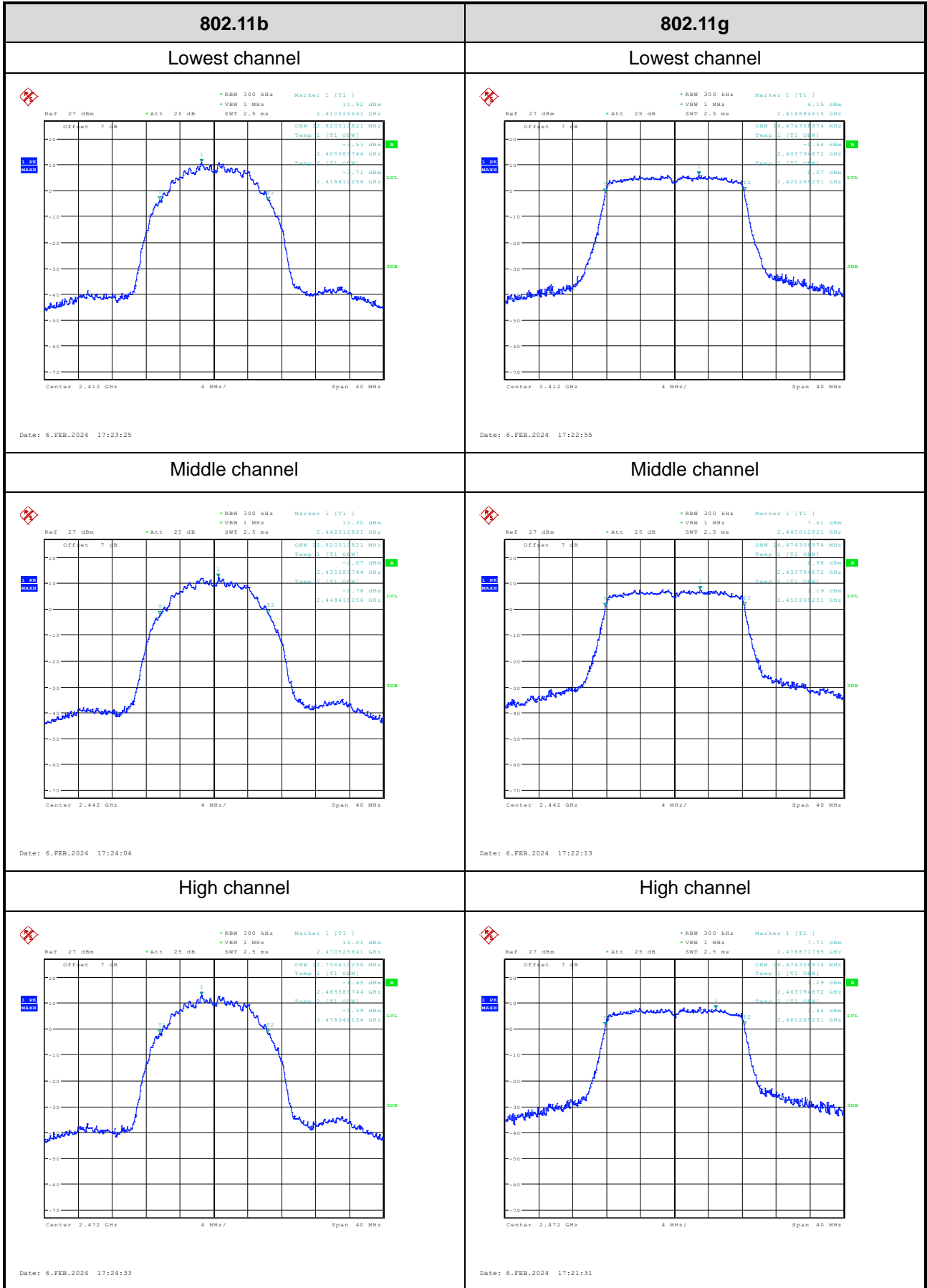
6 dB Emission Bandwidth:

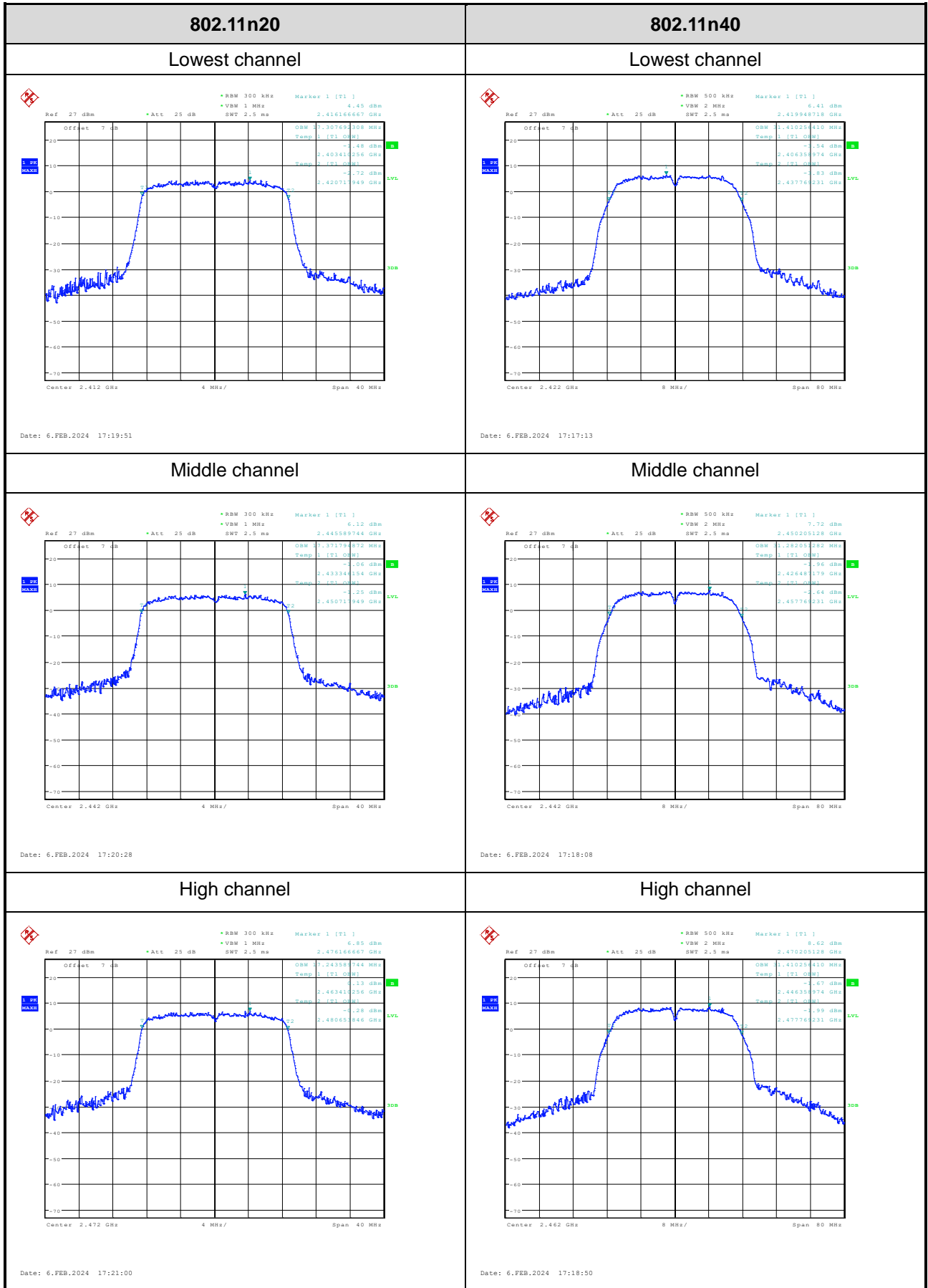




<p align="center">802.11ax-HE20</p>	<p align="center">/</p>
<p align="center">Lowest channel</p>	<p align="center">/</p>
<p>Date: 6.FEB.2024 17:04:40</p>	<p align="center">/</p>
<p align="center">Middle channel</p>	<p align="center">/</p>
<p>Date: 6.FEB.2024 17:08:02</p>	<p align="center">/</p>
<p align="center">High channel</p>	<p align="center">/</p>
<p>Date: 6.FEB.2024 17:11:25</p>	<p align="center">/</p>

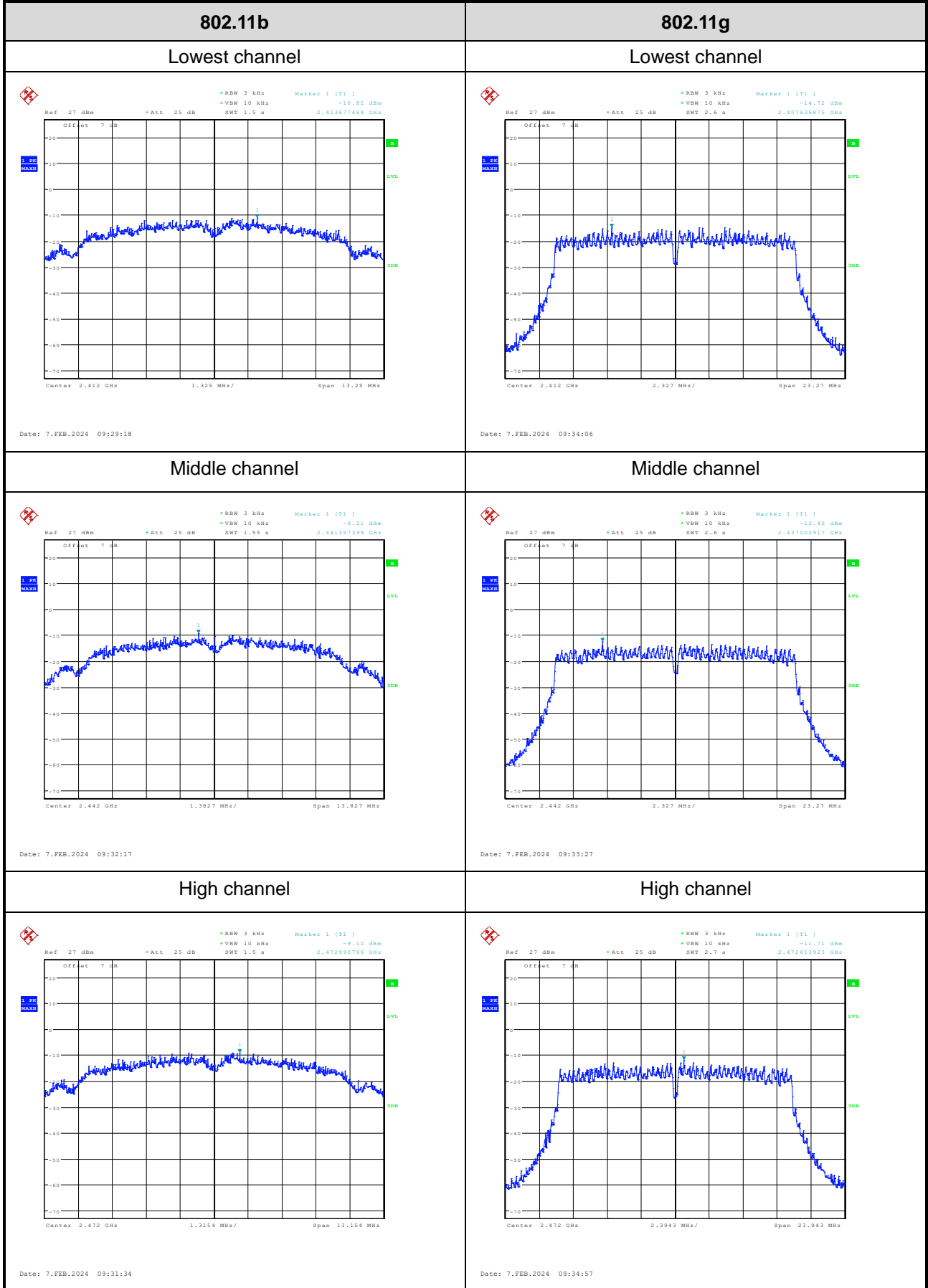
99% Occupied Bandwidth:

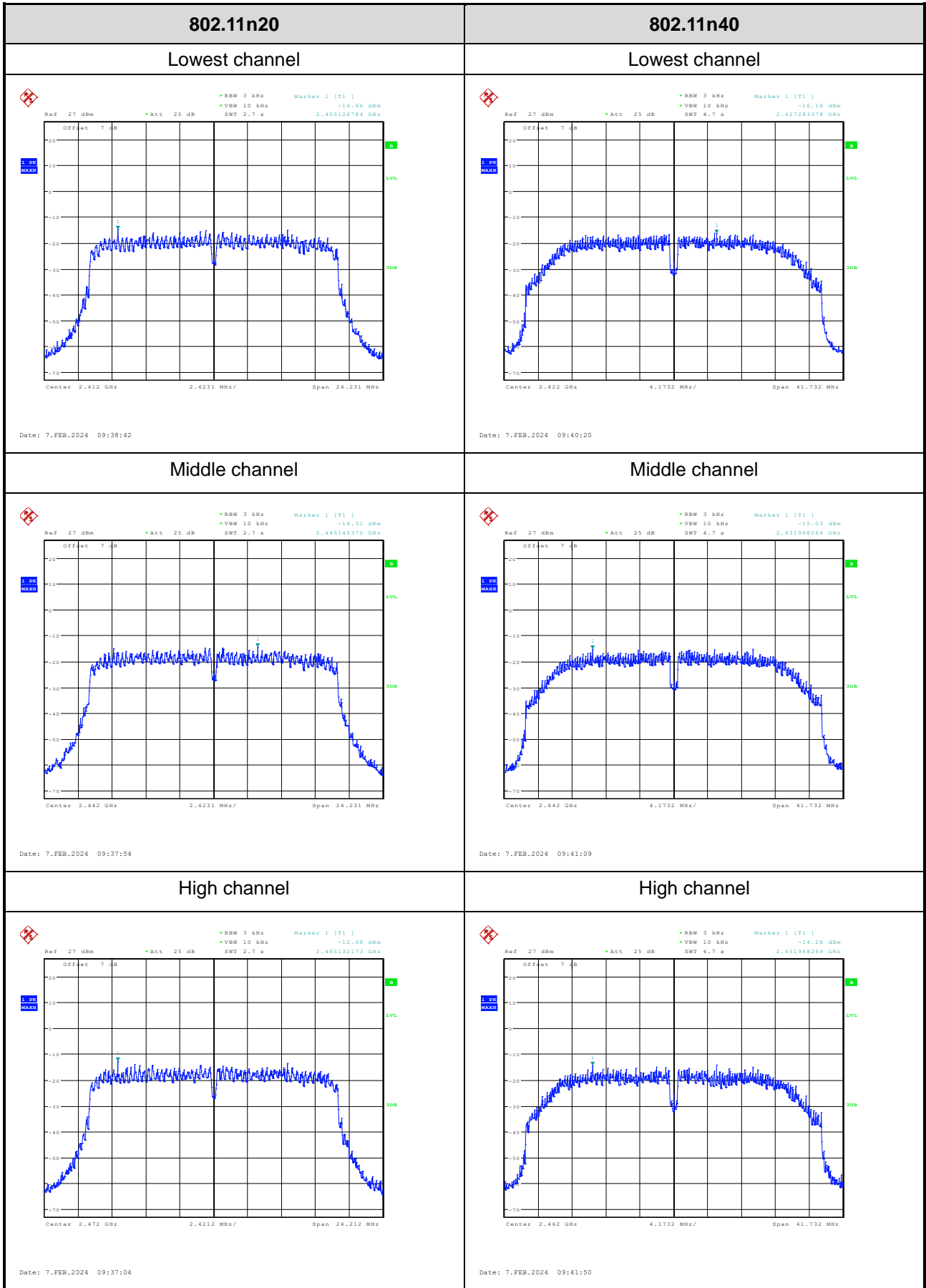




<p align="center">802.11ax-HE20</p>	<p align="center">/</p>
<p align="center">Lowest channel</p>	<p align="center">/</p>
<p>Date: 6.FEB.2024 17:15:17</p>	<p align="center">/</p>
<p align="center">Middle channel</p>	<p align="center">/</p>
<p>Date: 6.FEB.2024 17:14:25</p>	<p align="center">/</p>
<p align="center">High channel</p>	<p align="center">/</p>
<p>Date: 6.FEB.2024 17:13:35</p>	<p align="center">/</p>

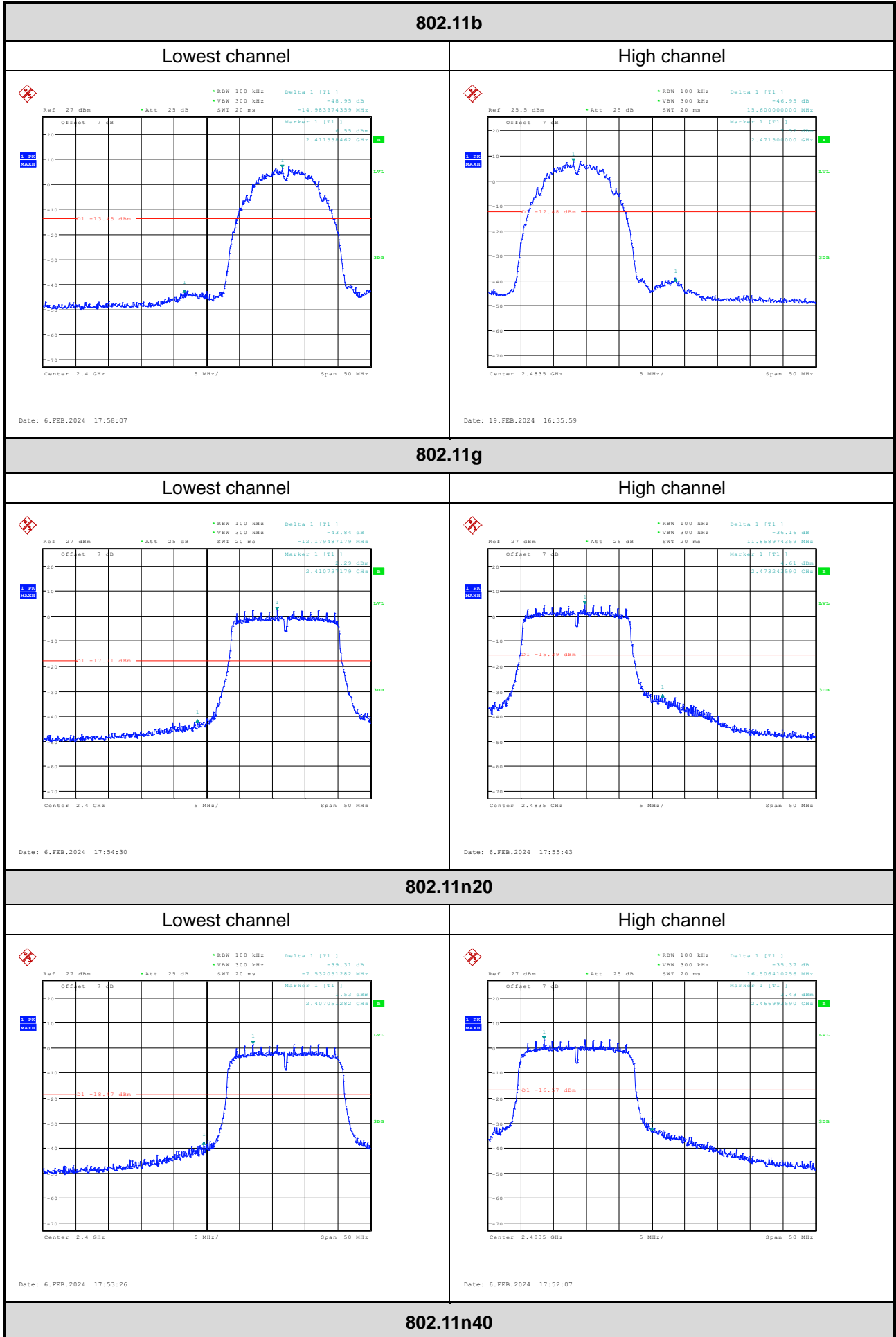
Power Spectral Density:

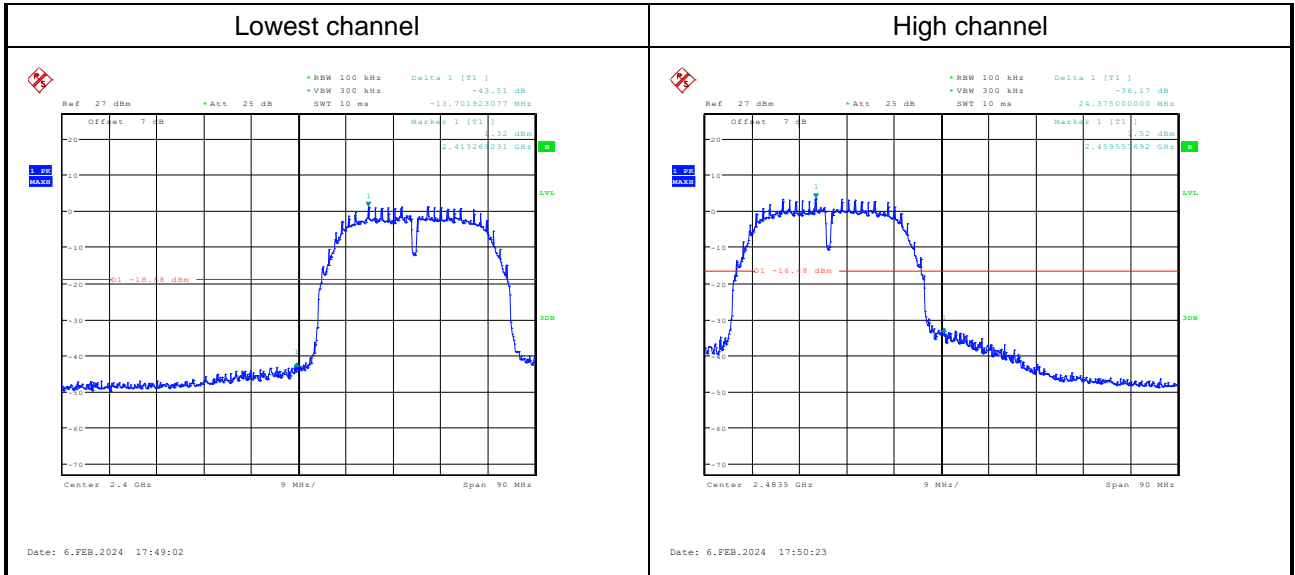




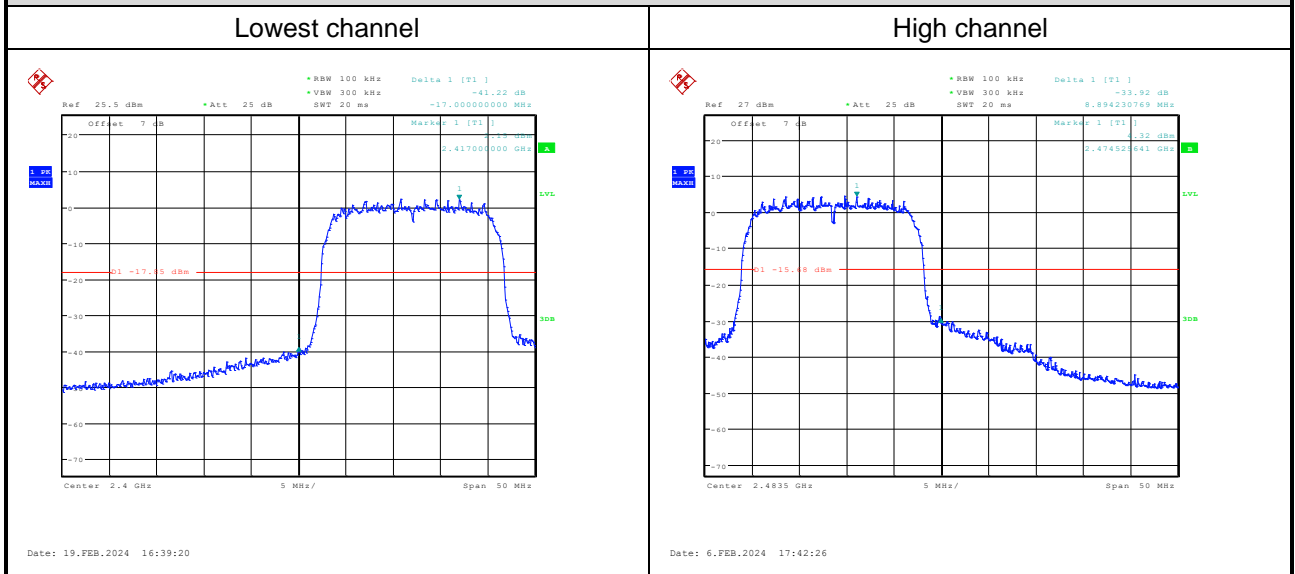
<p align="center">802.11ax-HE20</p>	<p align="center">/</p>
<p align="center">Lowest channel</p>	<p align="center">/</p>
<p>Ref: 27 dBm *Att: 25 dB Marker 1 [T1] -11.28 dBm *RBW 3 kHz *VSW 10 kHz *SWT 2.8 s 2.411878880 GHz Offset 7 dB Center 2.412 GHz 2.5193 MHz/ Span 25.193 MHz</p> <p>Date: 7.FEB.2024 09:42:40</p>	<p align="center">/</p>
<p align="center">Middle channel</p>	<p align="center">/</p>
<p>Ref: 27 dBm *Att: 25 dB Marker 1 [T1] -9.78 dBm *RBW 3 kHz *VSW 10 kHz *SWT 2.9 s 2.441877885 GHz Offset 7 dB Center 2.442 GHz 2.5483 MHz/ Span 25.483 MHz</p> <p>Date: 7.FEB.2024 09:43:16</p>	<p align="center">/</p>
<p align="center">High channel</p>	<p align="center">/</p>
<p>Ref: 27 dBm *Att: 25 dB Marker 1 [T1] -9.12 dBm *RBW 3 kHz *VSW 10 kHz *SWT 2.8 s 2.471879803 GHz Offset 7 dB Center 2.472 GHz 2.5001 MHz/ Span 25.001 MHz</p> <p>Date: 7.FEB.2024 09:43:51</p>	<p align="center">/</p>

100kHz Bandwidth of Frequency Band Edge:

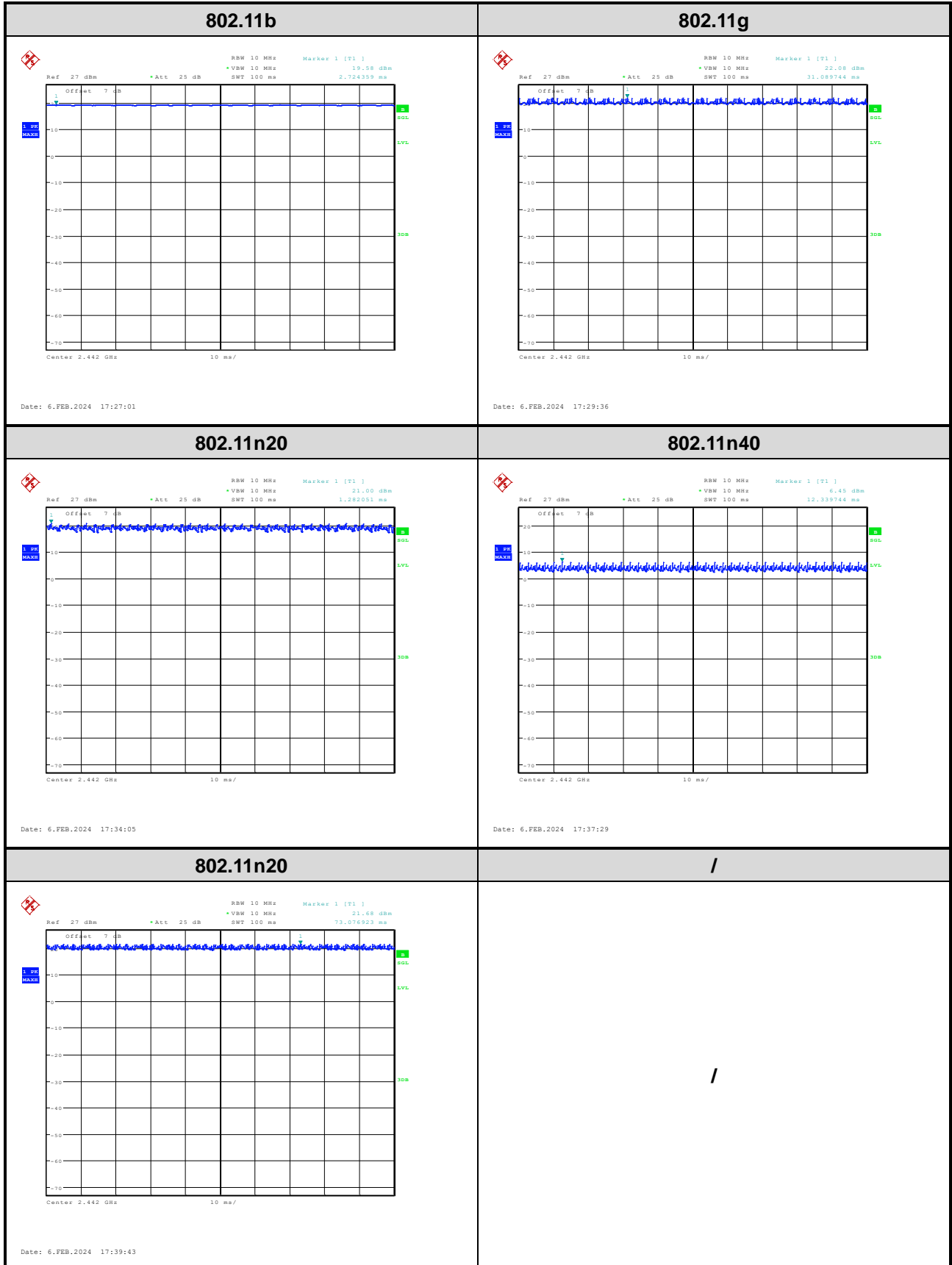




802.11ax-HE20



Duty Cycle:



4 Test Setup Photo

Please refer to the attachment RWAO202400028 Test Setup photo.

5 E.U.T Photo

Please refer to the attachment RWAO202400028 External photo and RWAO202400028 Internal photo.

---End of Report---