

FCC Test Report

Report No.: 2505Q45199EE

Applicant: Shenzhen Qianyan Technology LTD

Address: No.3301, Block C, Section 1, Chuangzhi Yuncheng Building,
Liuxian Avenue, Xili Community, Xili Street, Nanshan District,
Shenzhen, China

Product Name: Govee Outdoor UpDown Wall Light

Product Model: H7076

Multiple Models: N/A

Trade Mark: Govee

FCC ID: 2A7VD-H7076

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

Test Date: 2025-03-06 to 2025-04-10

Test Result: Complied

Report Date: 2025-04-15

Reviewed by:

Abel Chen

Approved by:

Jacob Kong

Abel Chen

Project Engineer

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Manager

Prepared by:

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Revision History

Version No.	Issued Date	Description
00	2025-04-15	Original

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1 General Information

1.1 Client Information

Applicant:	Shenzhen Qianyan Technology LTD
Address:	No.3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Qianyan Technology LTD
Address:	No.3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, China

1.2 Product Description of EUT

The EUT is Govee Outdoor UpDown Wall Light that contains BLE and 2.4G WLAN radios, this report covers the full testing of the 2.4G WLAN radio.

Sample Serial Number	2YUV-6 for CE test, 2YUV-1 for RE test, 2YUV-2 for RF conducted test (assigned by WATC)
Sample Received Date	2025-02-25
Sample Status	Good Condition
Frequency Range	2412MHz - 2472MHz(802.11b, g, n-HT20)
Maximum Conducted Peak Output Power	17.47dBm
Modulation Technology	DSSS, OFDM
Antenna Gain [#]	2.28dBi
Spatial Streams [#]	SISO (1TX, 1RX)
Power Supply	100V~240VAC 50/60Hz
Adapter Information	N/A
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)

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

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

ANSI C63.10-2020

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method

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					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	7	2442	13	2472

Test Mode:				
Transmitting mode:	Keep the EUT in continuous transmitting with modulation			
Exercise software [#] :	AmebaZ2_mptool_1V3			
Mode	Worst-case Data rate	Power Level Setting [#]		
		Low Channel	Middle Channel	High Channel
802.11b	1Mbps	70	70	70
802.11g	6Mbps	36	36	36
802.11n-HT20	6.5Mbps	33	33	33

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

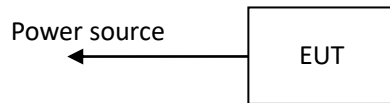
2.2 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
/	/	/	/

2.3 Interconnecting Cables

Manufacturer	Description	Length(m)	From	To
unknown	AC Power cable	1.0	Power source	EUT

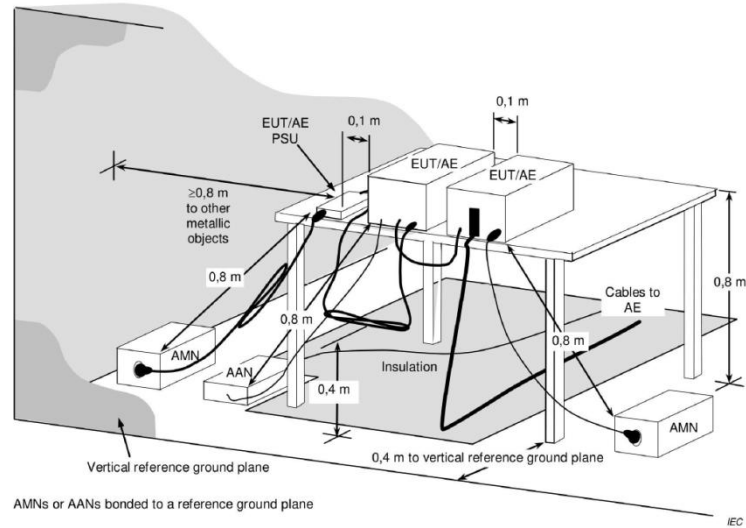
2.4 Block Diagram of Connection between EUT and AE



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

2.5 Test Setup

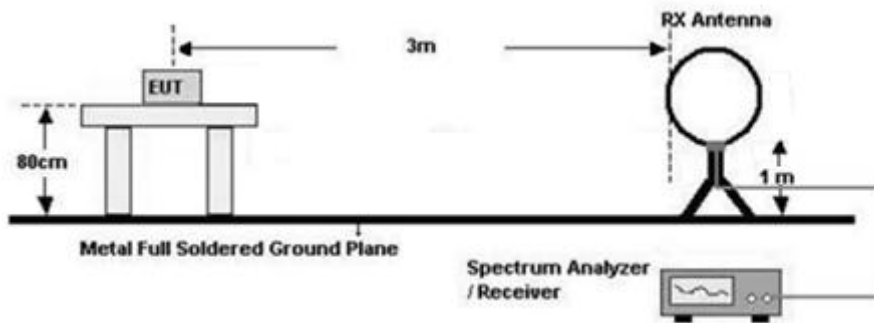
1) Conducted emission measurement:



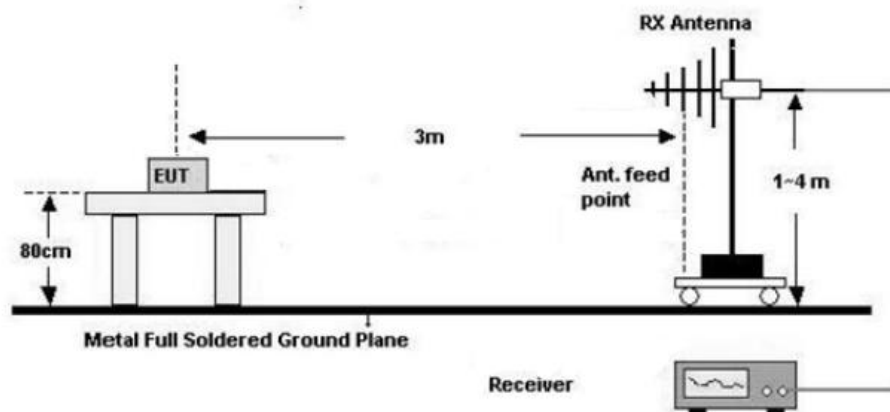
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

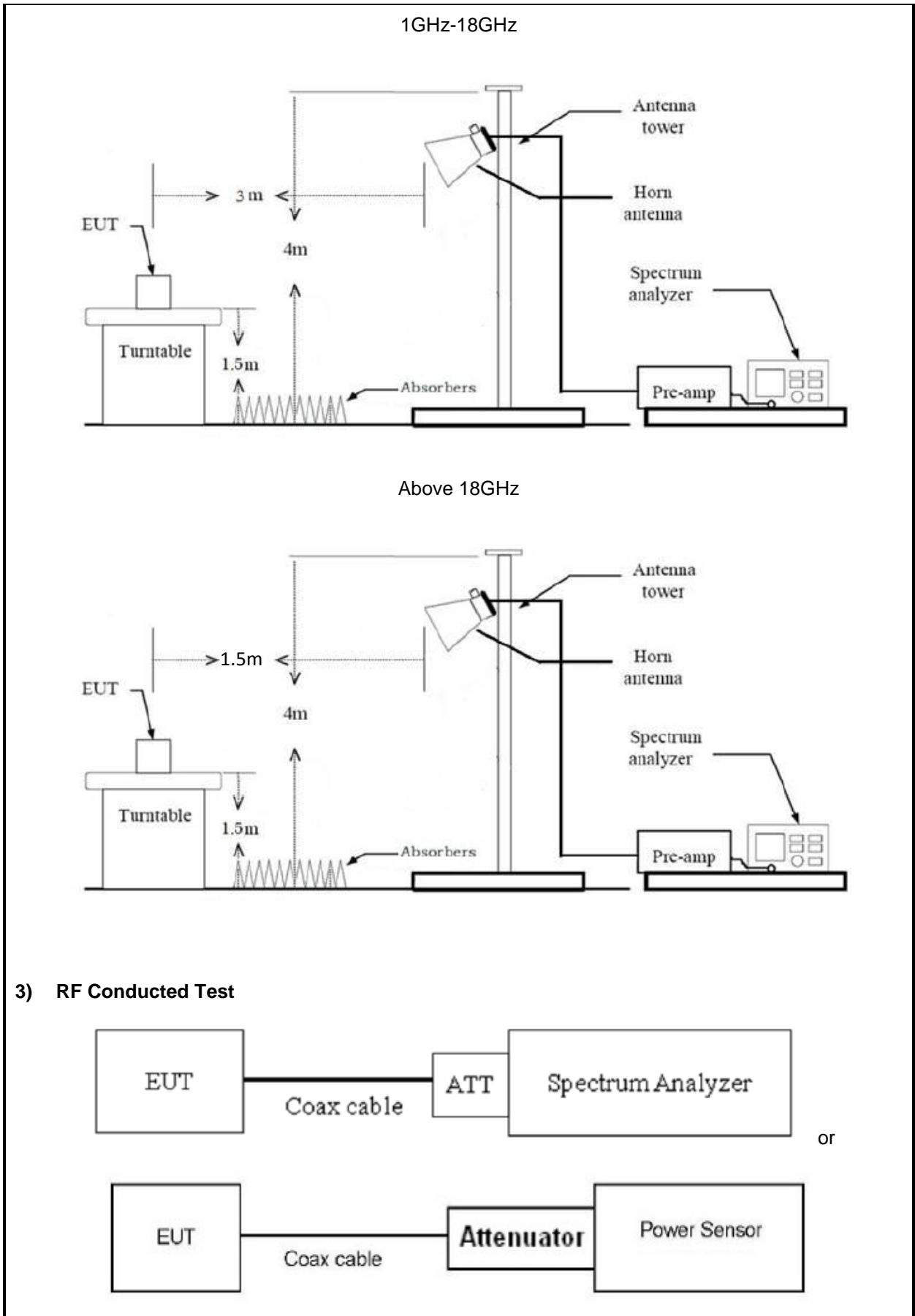
2) Radiated emission measurement:

Below 30MHz (3m SAC)



30MHz-1GHz (3m SAC)





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 $40 \cdot \log(\text{test distance} / \text{specification distance})$.
2. Loop antenna use, investigation was done on the three antenna orientations (parallel, perpendicular, ground-parallel)
3. The RBW/VBW of receiver is set to 200Hz/1kHz for 9kHz to 150kHz range, to 9kHz/30kHz for 150kHz to 30MHz range for scan Peak emission, 200Hz/9kHz IF BW was used for final measurement in the Quasi-peak or average detection mode for frequency range 9~150kHz/150kHz~30MHz respectively.
4. If the Peak emission complies with the QP limit, then perform final measurement is optional.

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.
3. The RBW/VBW of receiver is set to 100kHz/300kHz for scan Peak emission, 120kHz IF BW was used for final measurement in the Quasi-peak detection mode.
4. If the Peak emission complies with the QP limit, then perform final measurement is optional.

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. The RBW/VBW of spectrum analyzer is set to 1MHz/3MHz for scan Peak emission, for measured average emission, reduce the VBW to 10Hz(for duty cycle \geq 98%), or $\geq 1/T$ (for duty cycle $<$ 98%). T is minimum transmission duration. (Note: a high VBW (for example 1kHz, not less than 1/T) may used to scan average emissions to avoid long sweep time.)
4. If the Peak emission complies with the Average limit, then perform average measurement is optional.
5. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
6. Base on FCC 15.31 (f): 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 9.0dB (including 6.0 dB Attenuator and 3.0 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 3.0dB 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.

2.7 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

2.8 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	2024/6/4	2025/6/3
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 wideband antenna	VULB 9163	9163-872	2023/7/7	2026/7/6
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-2400-248 3.5-50N	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
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

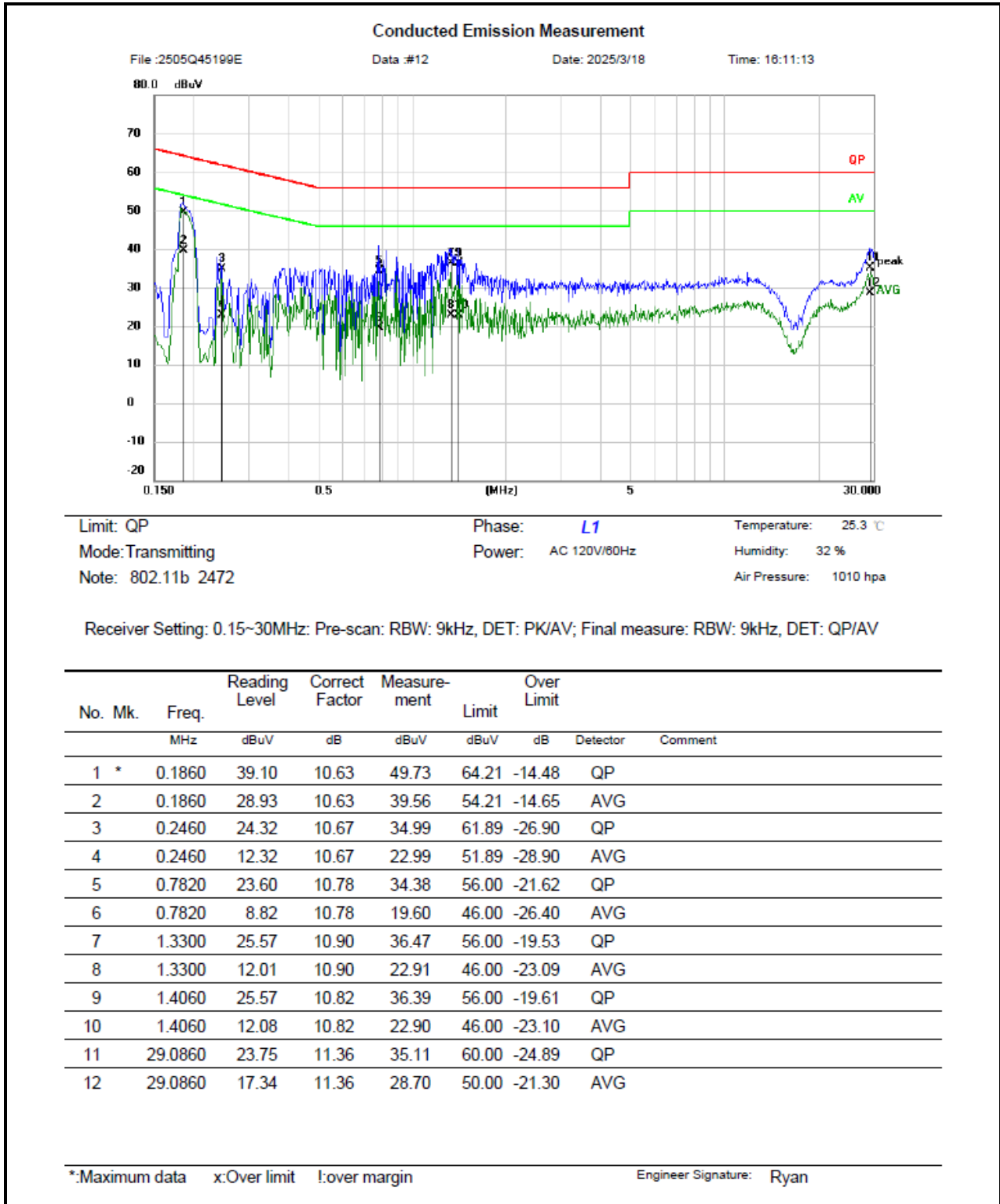
FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Compliance
§15.247(b)(3)	Maximum Conducted Output Power	Compliance
§15.247(e)	Power Spectral Density	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
-	99% Occupied Bandwidth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

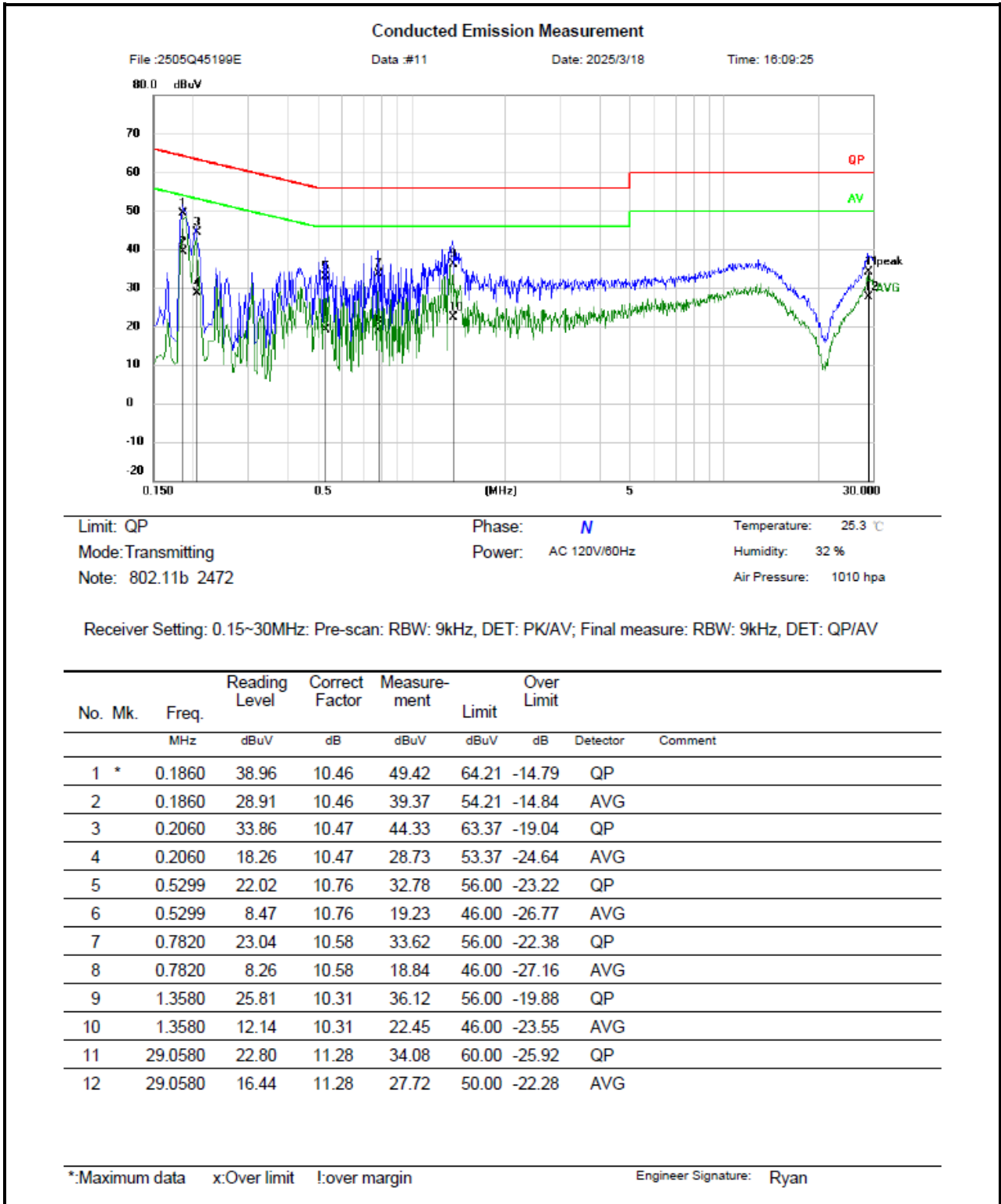
3.2 Limit

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:	2025-03-18	Test By:	Ryan Zhang
Environment condition:	Temperature: 25.3°C; Relative Humidity:32%; ATM Pressure: 101.0kPa		





Remark:

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

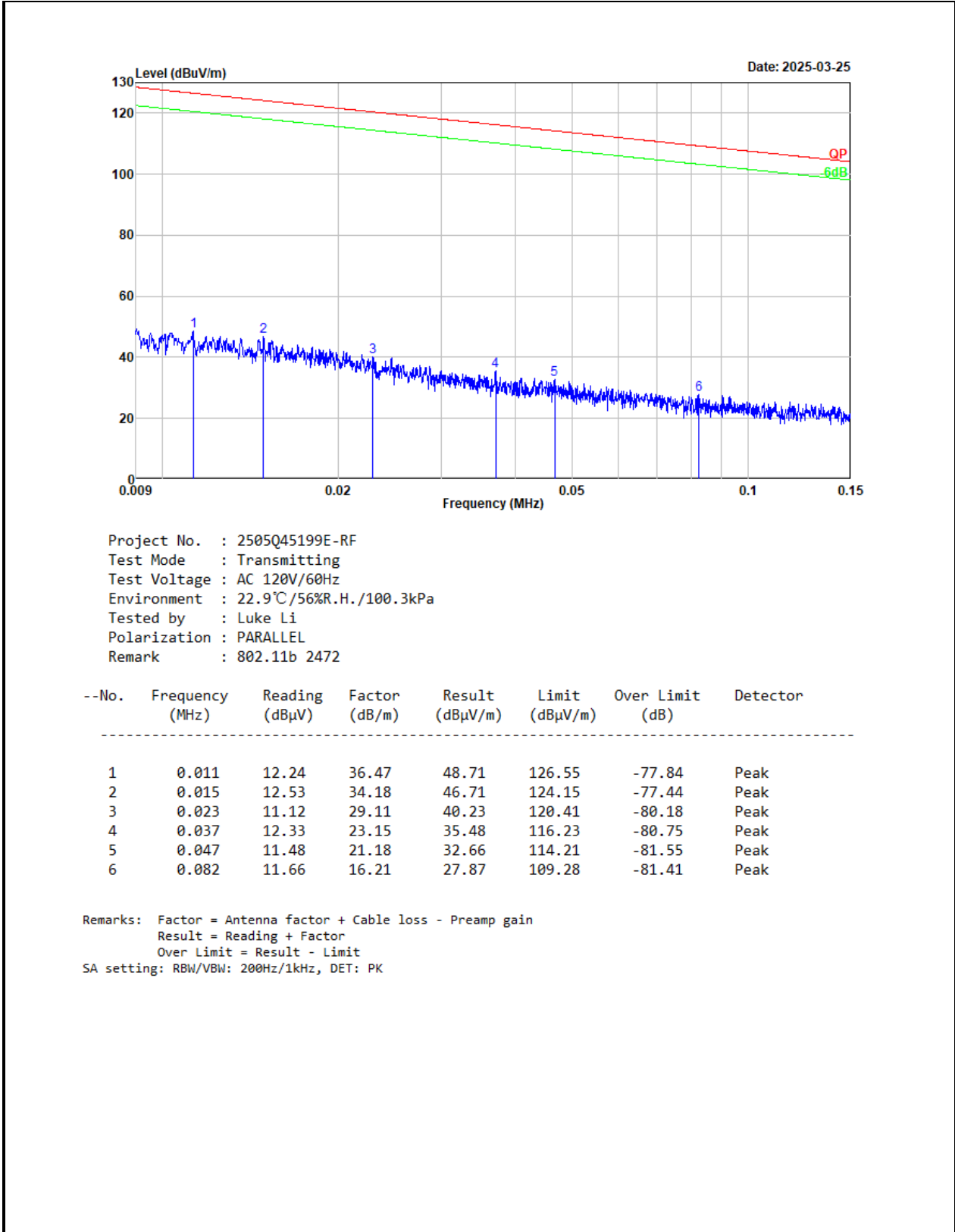
Correct Factor (dB)= LISN Voltage Division Factor (dB)+ Cable loss(dB)

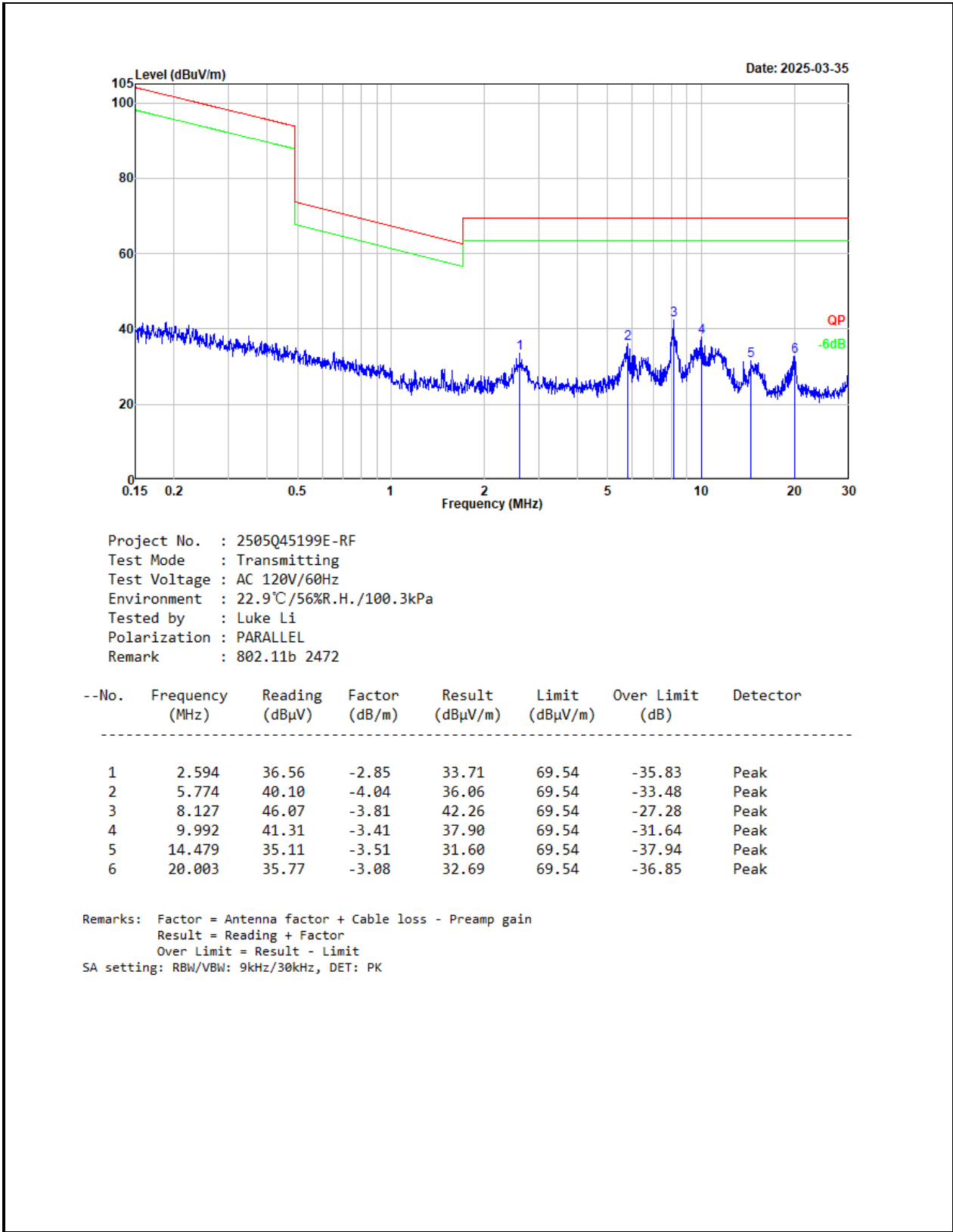
Over Limit= Measurement – Limit

3.4 Radiated emission Test Data

9 kHz-30MHz:

Test Date:	2025-03-25	Test By:	Luke Li
Environment condition:	Temperature: 22.9°C; Relative Humidity:56%; ATM Pressure: 100.3kPa		





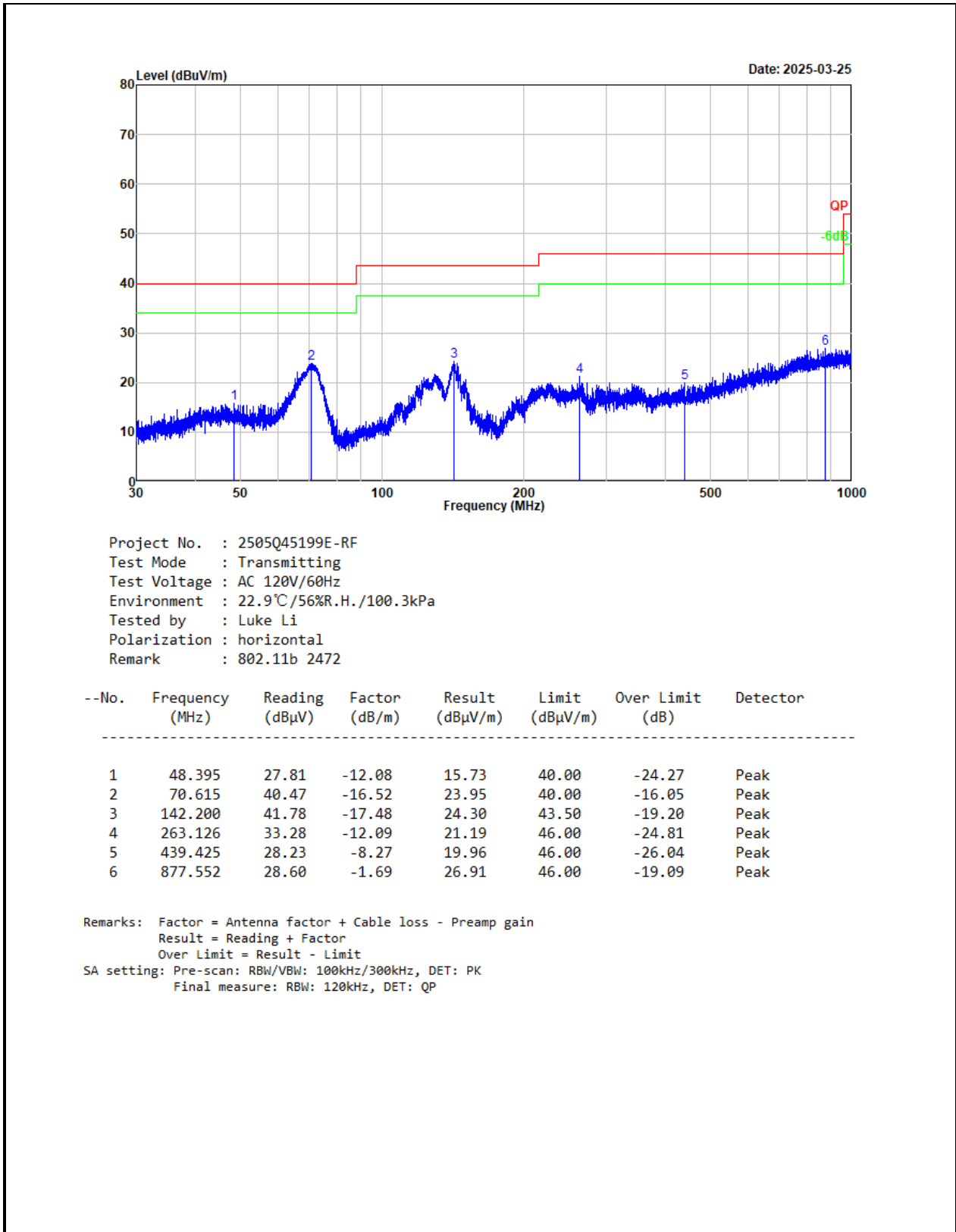
Project No. : 2505Q45199E-RF
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.9°C/56%R.H./100.3kPa
 Tested by : Luke Li
 Polarization : PARALLEL
 Remark : 802.11b 2472

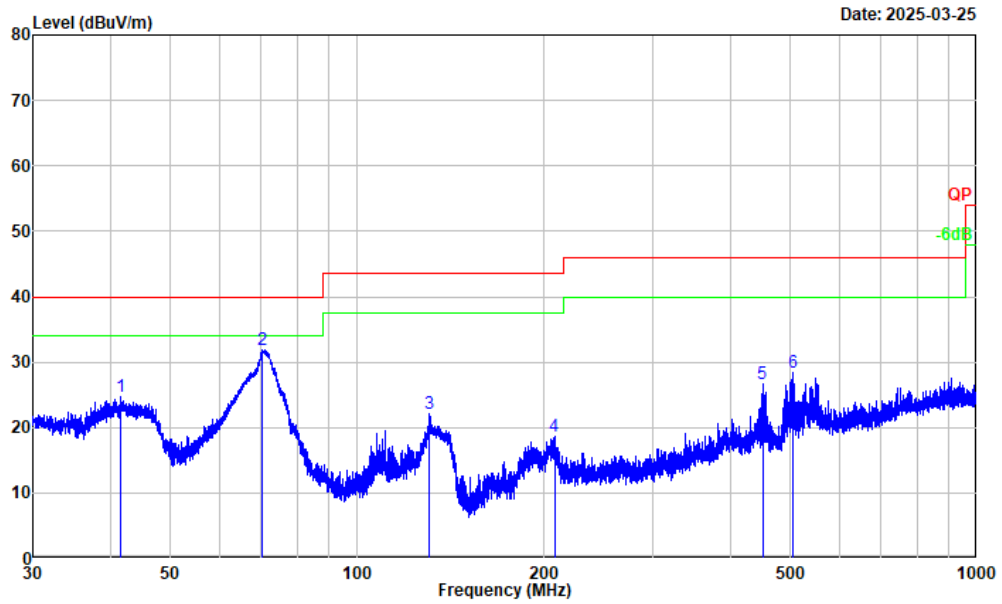
--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2.594	36.56	-2.85	33.71	69.54	-35.83	Peak
2	5.774	40.10	-4.04	36.06	69.54	-33.48	Peak
3	8.127	46.07	-3.81	42.26	69.54	-27.28	Peak
4	9.992	41.31	-3.41	37.90	69.54	-31.64	Peak
5	14.479	35.11	-3.51	31.60	69.54	-37.94	Peak
6	20.003	35.77	-3.08	32.69	69.54	-36.85	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: RBW/VBW: 9kHz/30kHz, DET: PK

30MHz-1GHz:

Test Date:	2025-03-25	Test By:	Luke Li
Environment condition:	Temperature: 22.9°C; Relative Humidity:56%; ATM Pressure: 100.3kPa		





Project No. : 2505Q45199E-RF
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.9°C/56%R.H./100.3kPa
 Tested by : Luke Li
 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	41.567	37.24	-12.53	24.71	40.00	-15.29	Peak
2	70.429	48.34	-16.44	31.90	40.00	-8.10	Peak
3	131.067	39.29	-17.17	22.12	43.50	-21.38	Peak
4	208.215	32.45	-13.78	18.67	43.50	-24.83	Peak
5	450.937	35.02	-8.27	26.75	46.00	-19.25	Peak
6	505.149	35.65	-7.23	28.42	46.00	-17.58	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Pre-scan: RBW/VBW: 100kHz/300kHz, DET: PK
 Final measure: RBW: 120kHz, DET: QP

Above 1GHz:

Test Date:	2025-03-06~2025-04-10	Test By:	Bard Huang, Luke Li
Environment condition:	Temperature: 22.5~22.9°C; Relative Humidity:56%; ATM Pressure: 100.3~101.5kPa		

Frequency (MHz)	Reading level (dB μ V)	Polar	Corrected Factor (dB/m)	Corrected Amplitude (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark
802.11b							
Low Channel							
4824.000	54.17	horizontal	-2.29	51.88	74.00	-22.12	Peak
4824.000	55.98	vertical	-2.29	53.69	74.00	-20.31	Peak
2228.000	54.34	horizontal	-3.19	51.15	74.00	-22.85	Peak
1594.000	54.54	vertical	-4.26	50.28	74.00	-23.72	Peak
Middle Channel							
4884.000	49.65	horizontal	-1.84	47.81	74.00	-26.19	Peak
4884.000	52.63	vertical	-1.84	50.79	74.00	-23.21	Peak
1594.000	52.18	horizontal	-4.26	47.92	74.00	-26.08	Peak
1596.000	56.07	vertical	-4.24	51.83	74.00	-22.17	Peak
High Channel							
4944.000	49.59	horizontal	-1.70	47.89	74.00	-26.11	Peak
4944.000	51.01	vertical	-1.70	49.31	74.00	-24.69	Peak
1599.000	51.76	horizontal	-4.22	47.54	74.00	-26.46	Peak
1593.000	53.87	vertical	-4.27	49.60	74.00	-24.40	Peak
802.11g							
Low Channel							
4824.000	49.43	horizontal	-2.29	47.14	74.00	-26.86	Peak
4824.000	50.95	vertical	-2.29	48.66	74.00	-25.34	Peak
1596.000	52.89	horizontal	-4.24	48.65	74.00	-25.35	Peak
1596.000	56.93	vertical	-4.24	52.69	74.00	-21.31	Peak
Middle Channel							
4884.000	49.30	horizontal	-1.84	47.46	74.00	-26.54	Peak
4884.000	48.74	vertical	-1.84	46.90	74.00	-27.10	Peak
High Channel							
4944.000	48.57	horizontal	-1.70	46.87	74.00	-27.13	Peak
4944.000	48.47	vertical	-1.70	46.77	74.00	-27.23	Peak
1595.000	55.38	horizontal	-4.25	51.13	74.00	-22.87	Peak
1658.000	53.10	vertical	-3.81	49.29	74.00	-24.71	Peak
802.11n20							

Low Channel							
4824.000	49.21	horizontal	-2.29	46.92	74.00	-27.08	Peak
4824.000	49.49	vertical	-2.29	47.20	74.00	-26.80	Peak
1598.000	53.37	horizontal	-4.23	49.14	74.00	-24.86	Peak
1597.000	55.65	vertical	-4.23	51.42	74.00	-22.58	Peak
Middle Channel							
4884.000	48.78	horizontal	-1.84	46.94	74.00	-27.06	Peak
4884.000	48.92	vertical	-1.84	47.08	74.00	-26.92	Peak
1593.000	52.11	horizontal	-4.27	47.84	74.00	-26.16	Peak
1599.000	52.33	vertical	-4.22	48.11	74.00	-25.89	Peak
2127.000	55.30	vertical	-3.97	51.33	74.00	-22.67	Peak
High Channel							
4944.000	48.20	horizontal	-1.70	46.50	74.00	-27.50	Peak
4944.000	47.89	vertical	-1.70	46.19	74.00	-27.81	Peak
2130.000	53.05	horizontal	-3.96	49.09	74.00	-24.91	Peak
1595.000	55.66	vertical	-4.25	51.41	74.00	-22.59	Peak

Remark:

Corrected Amplitude= Reading level + corrected Factor

Corrected Factor = Antenna factor + Cable loss – Amplifier gain

Margin = Corrected Amplitude – Limit

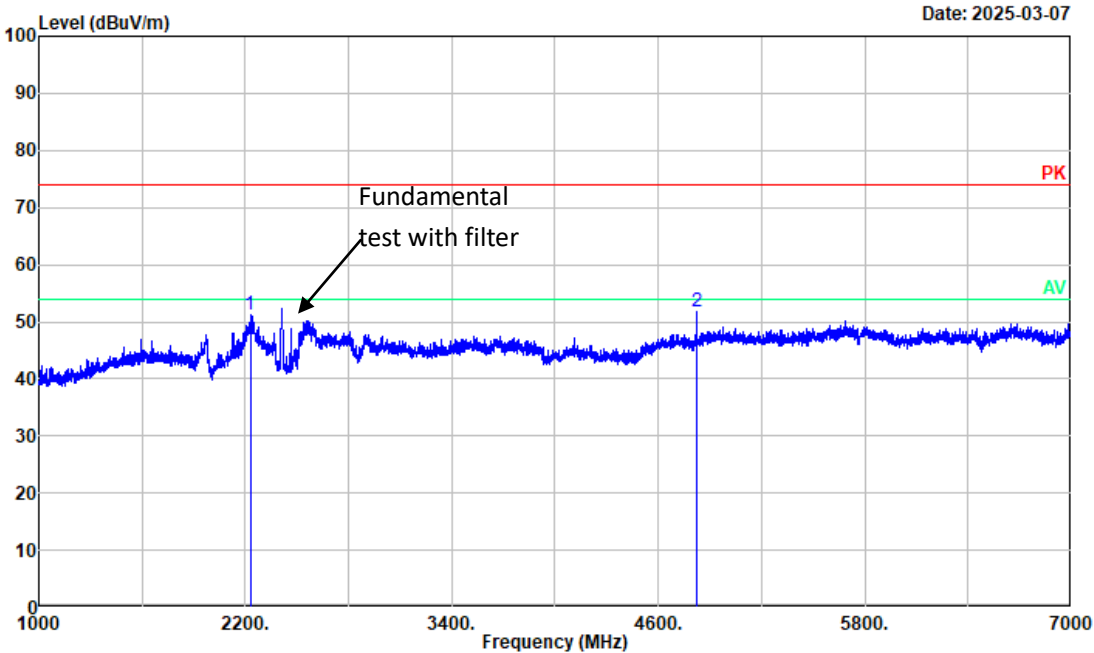
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

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 worst case as below:

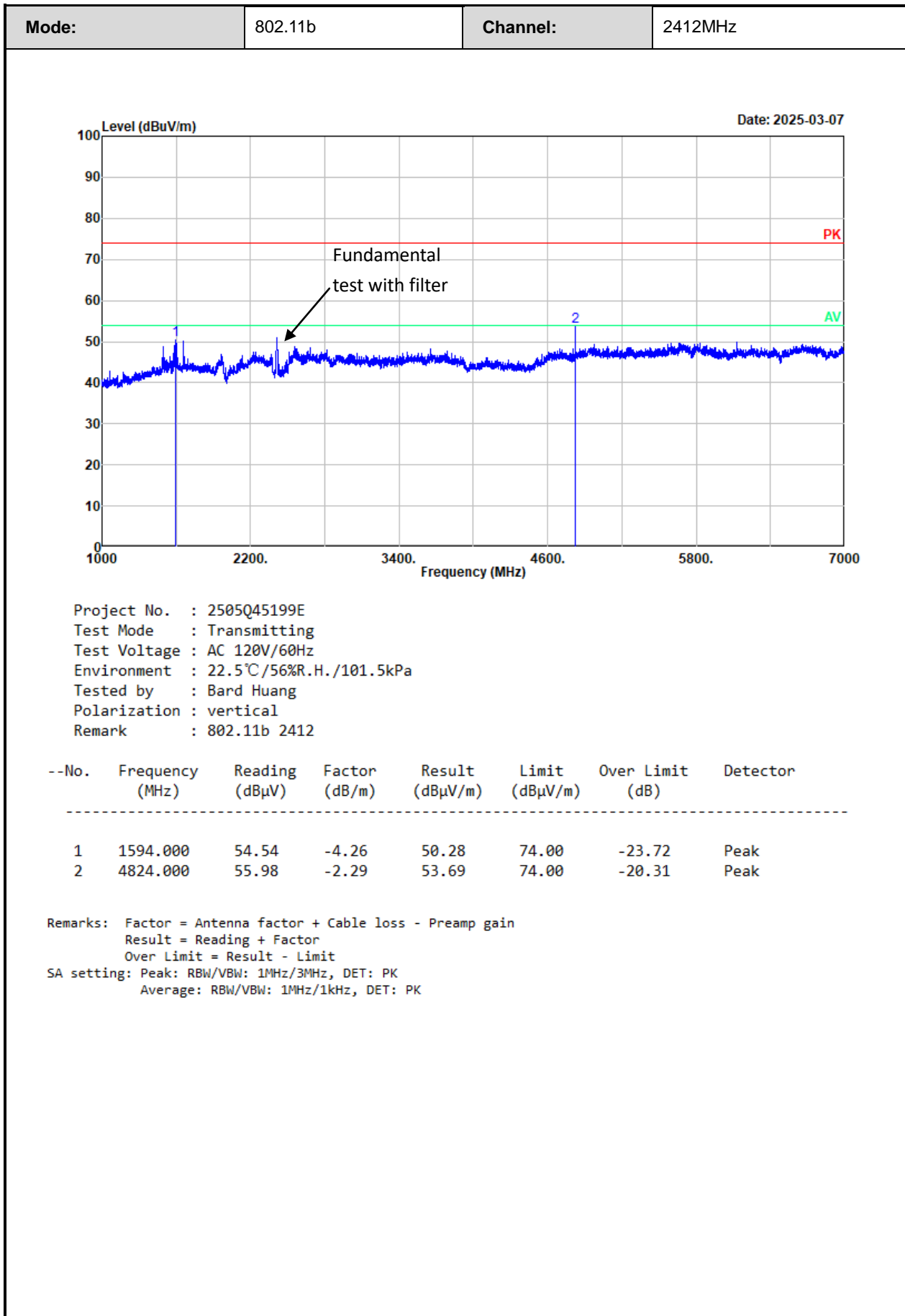
Mode:	802.11b	Channel:	2412MHz
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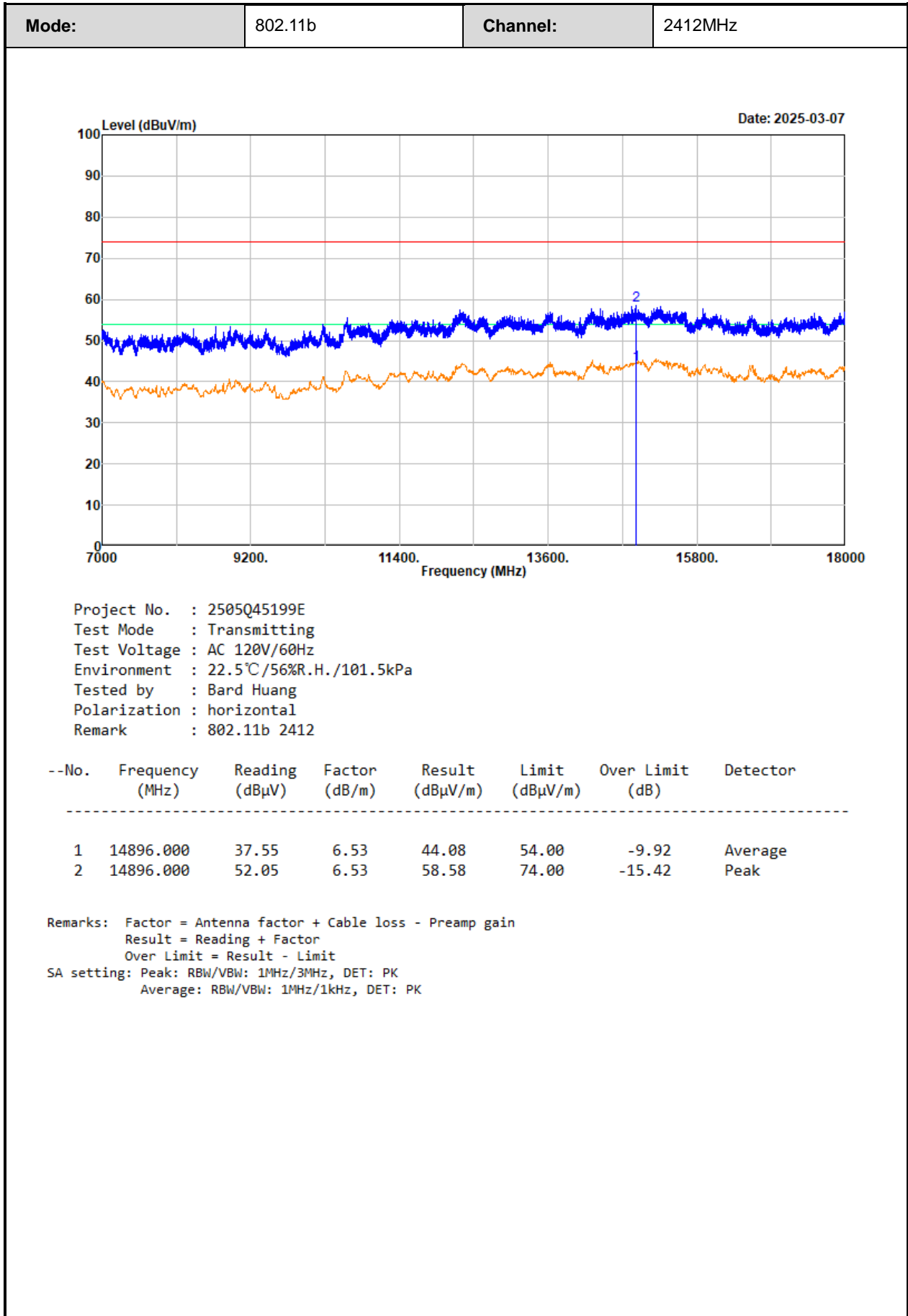


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11b 2412

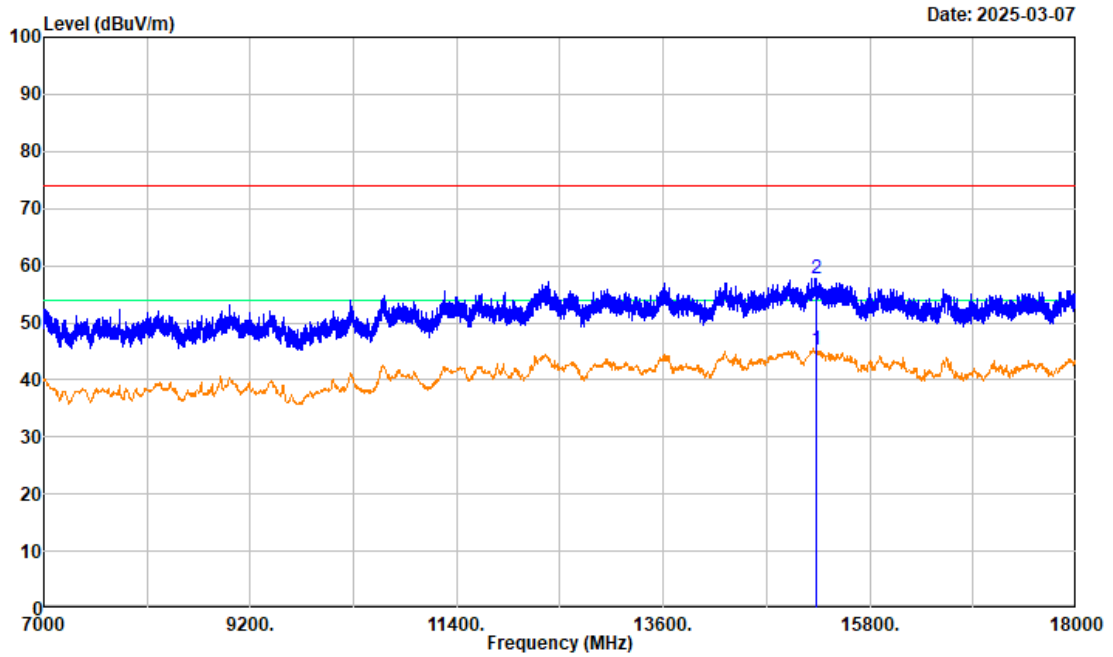
--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2228.000	54.34	-3.19	51.15	74.00	-22.85	Peak
2	4824.000	54.17	-2.29	51.88	74.00	-22.12	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK





Mode:	802.11b	Channel:	2412MHz
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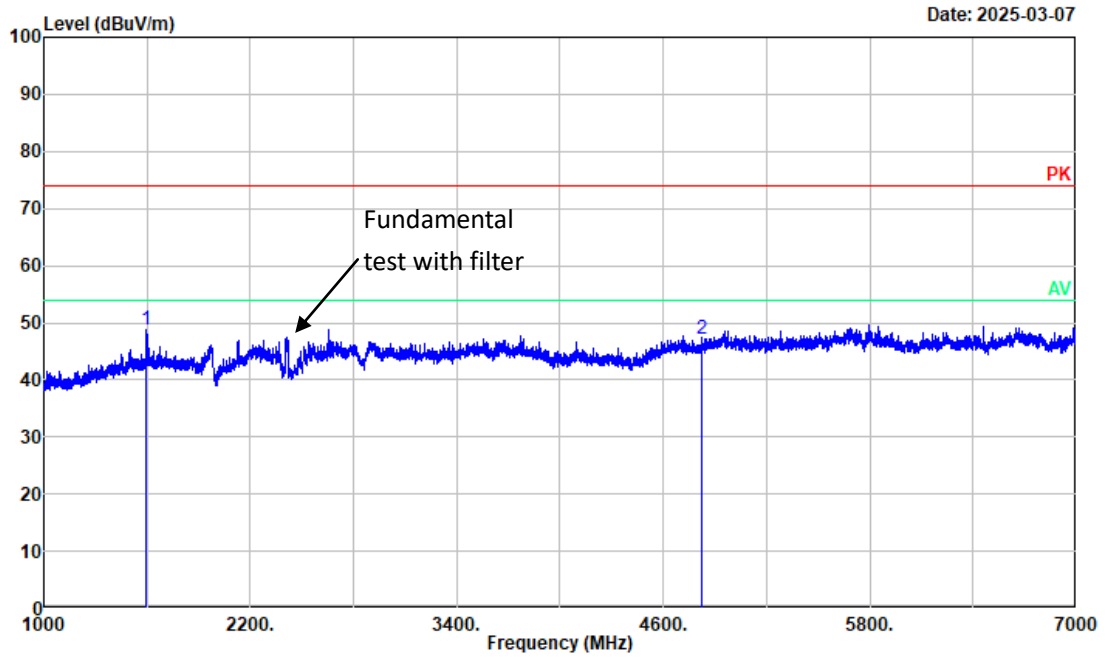


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11b 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	15228.000	39.02	6.26	45.28	54.00	-8.72	Average
2	15228.000	51.52	6.26	57.78	74.00	-16.22	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

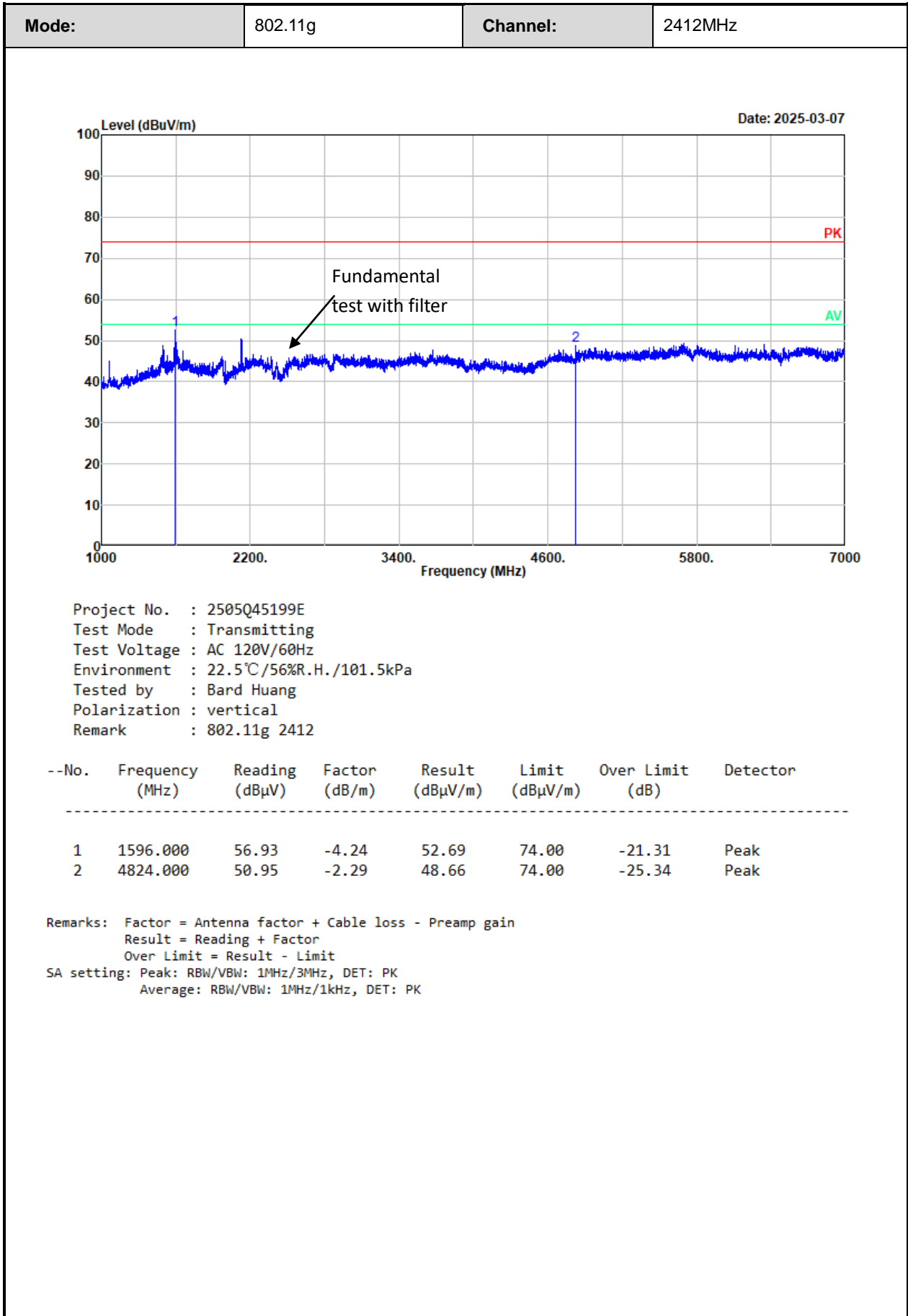
Mode:	802.11g	Channel:	2412MHz
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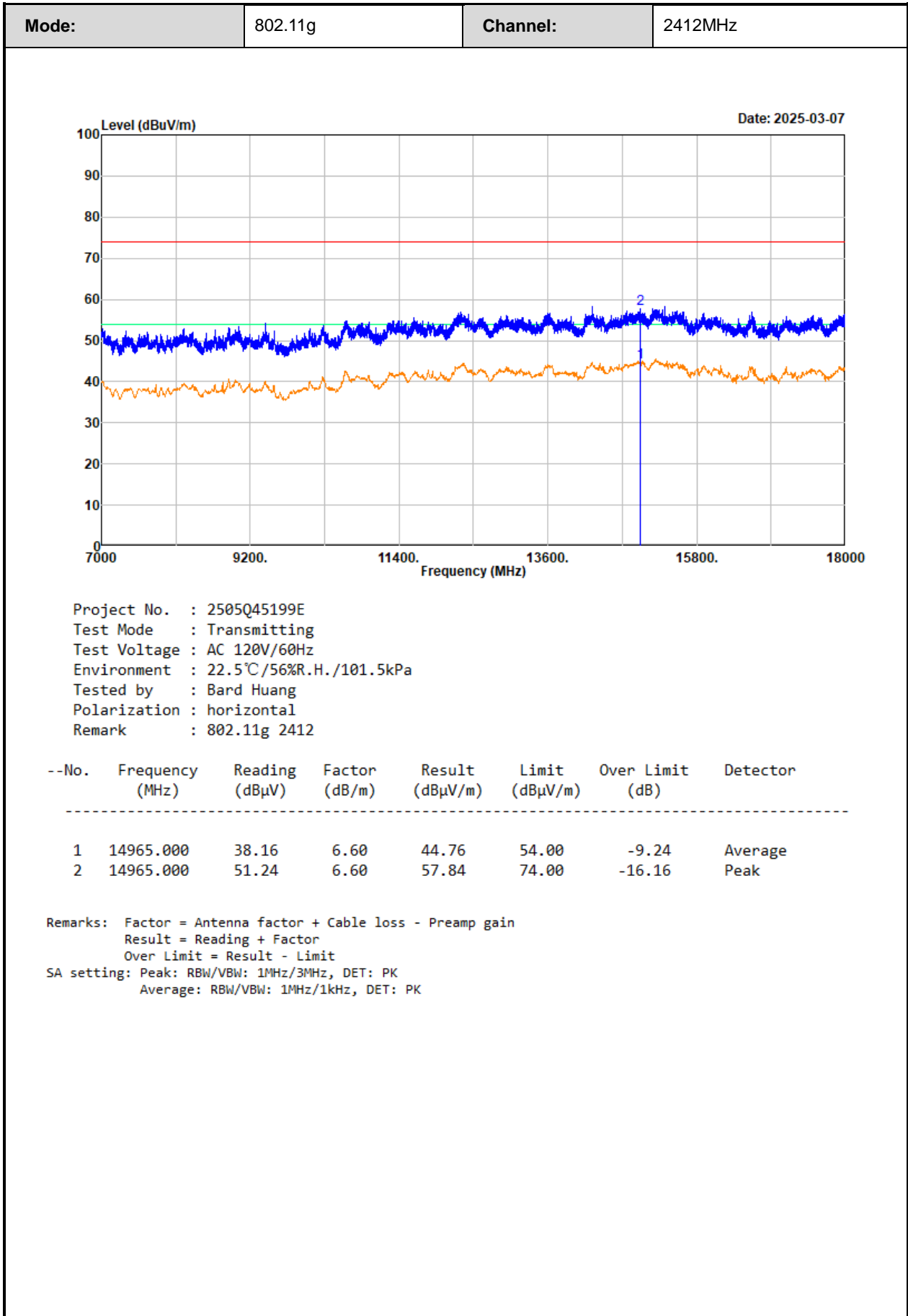


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11g 2412

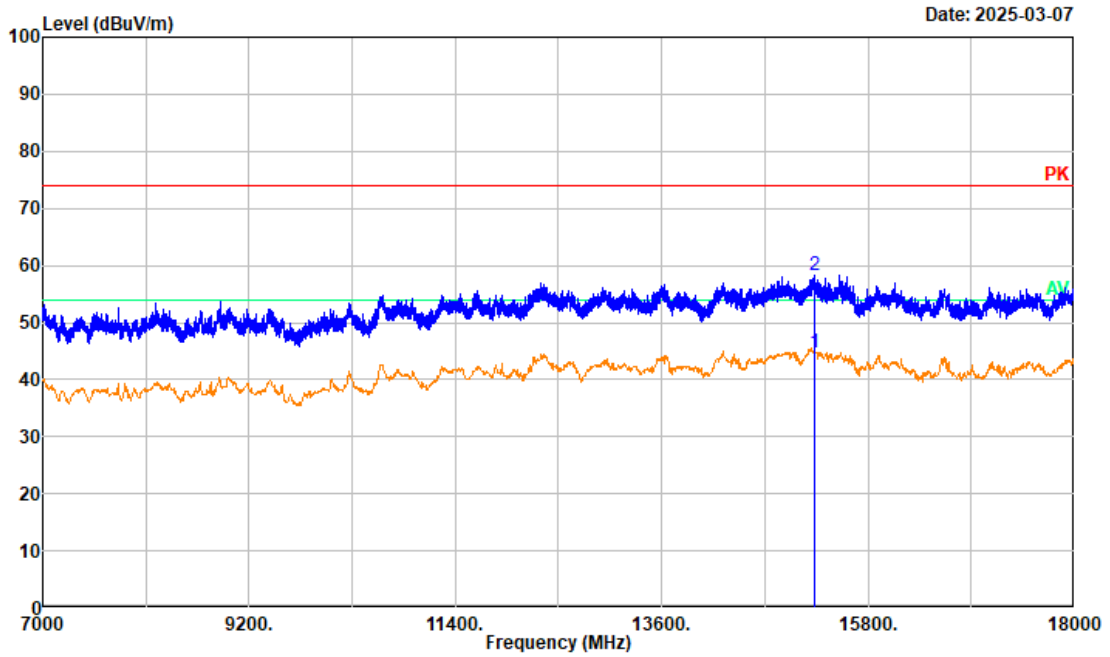
--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1596.000	52.89	-4.24	48.65	74.00	-25.35	Peak
2	4824.000	49.43	-2.29	47.14	74.00	-26.86	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK





Mode:	802.11g	Channel:	2412MHz
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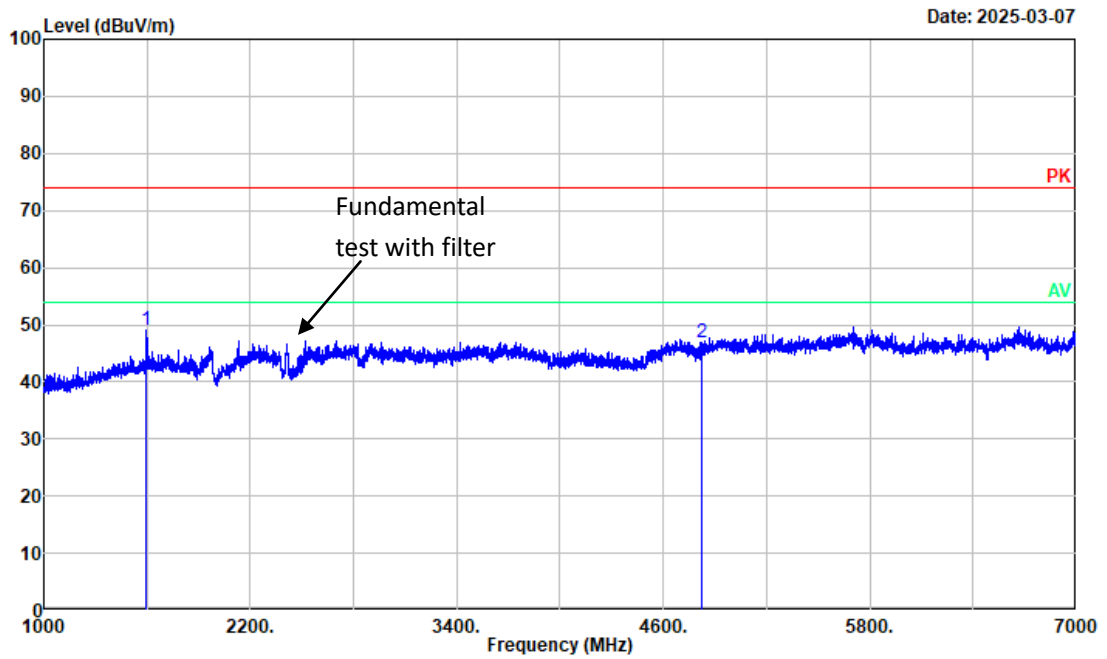


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	15227.000	38.58	6.26	44.84	54.00	-9.16	Average
2	15227.000	52.04	6.26	58.30	74.00	-15.70	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

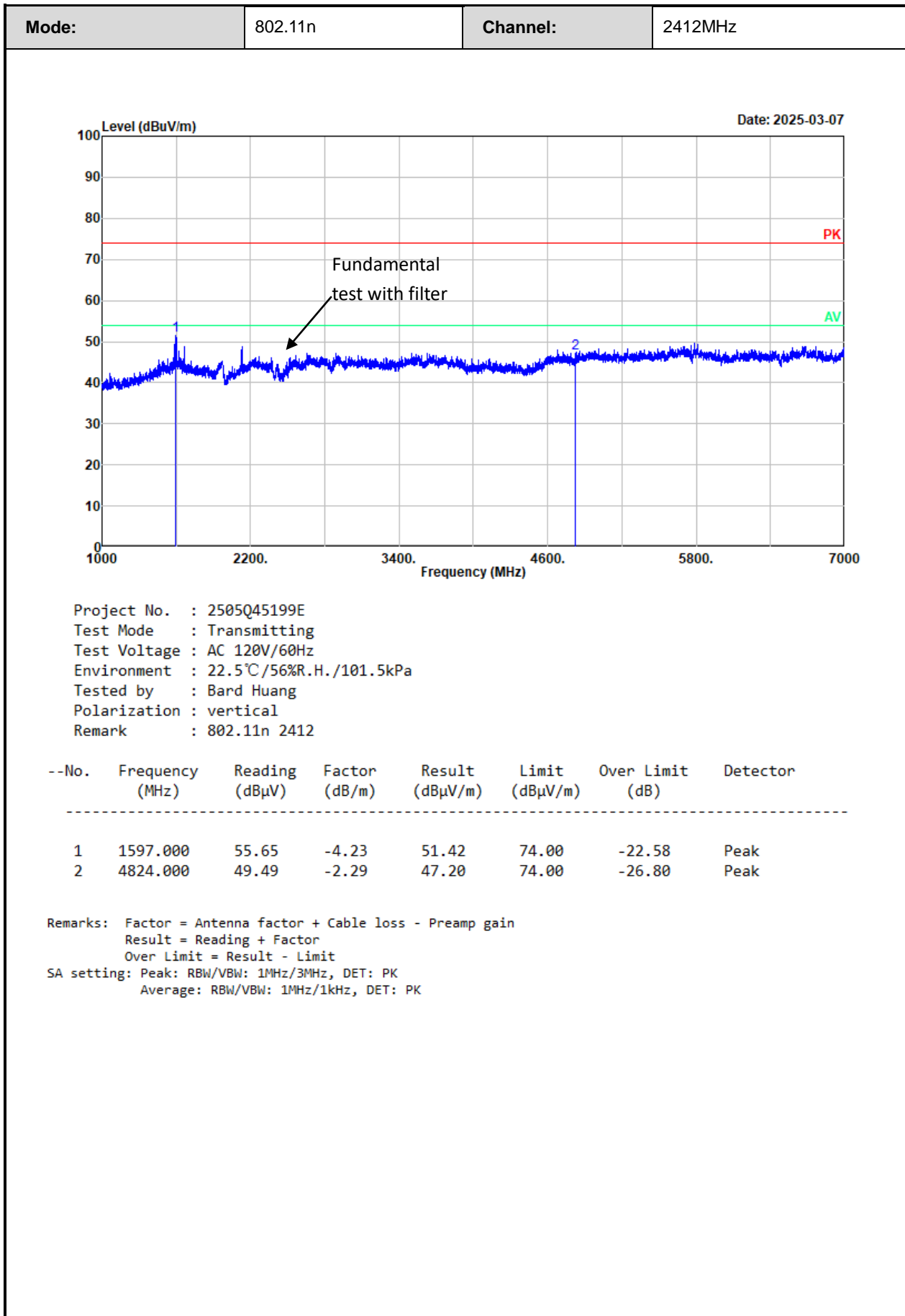
Mode:	802.11n	Channel:	2412MHz
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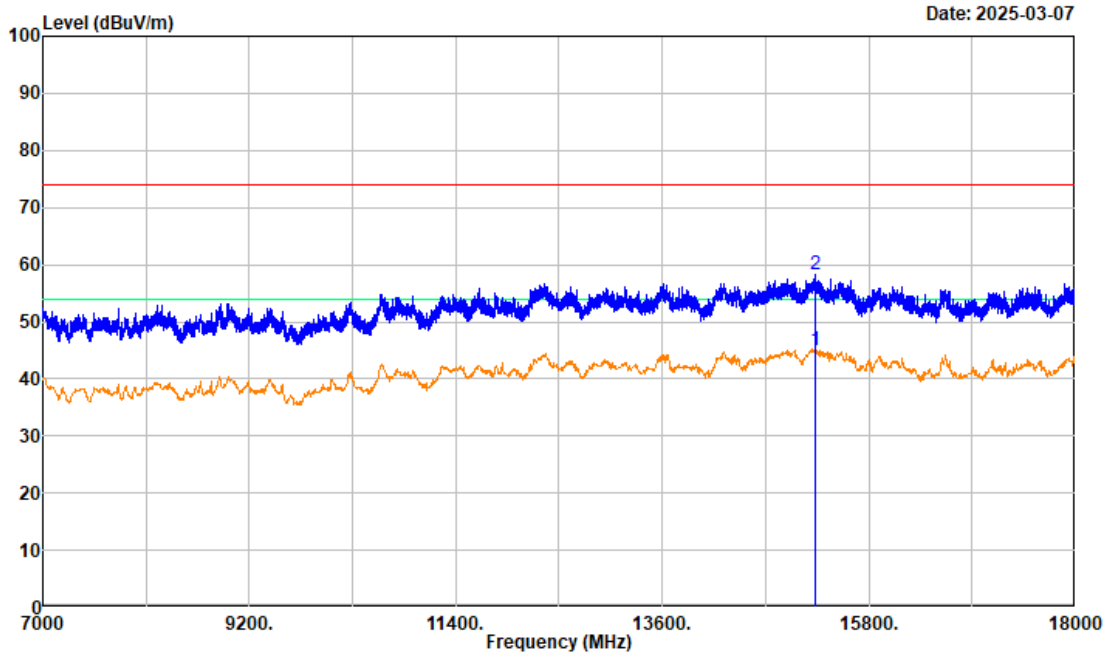
Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11n 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1598.000	53.37	-4.23	49.14	74.00	-24.86	Peak
2	4824.000	49.21	-2.29	46.92	74.00	-27.08	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK



Mode:	802.11n	Channel:	2412MHz
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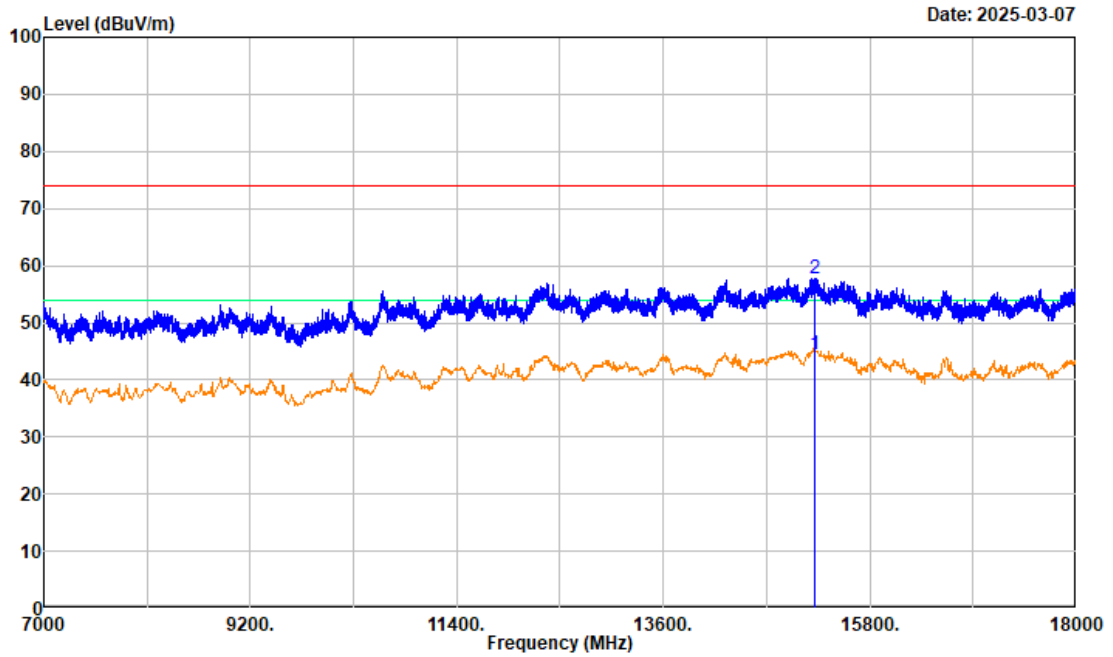


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11n 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	15222.000	38.77	6.27	45.04	54.00	-8.96	Average
2	15222.000	51.92	6.27	58.19	74.00	-15.81	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11n	Channel:	2412MHz
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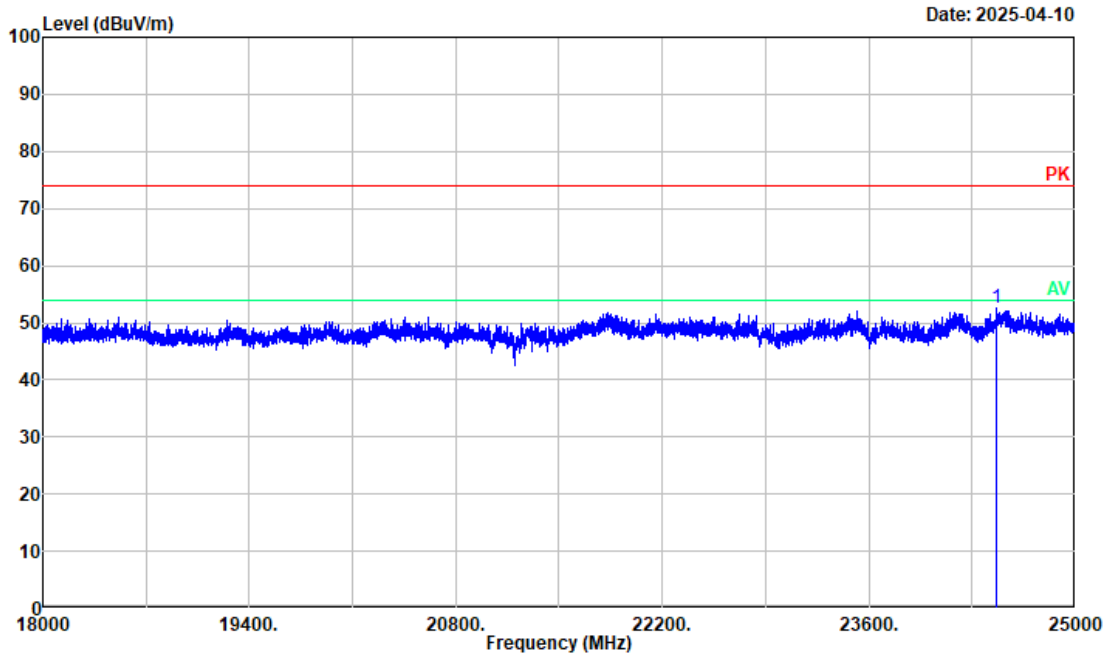


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11n 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	15215.000	38.10	6.27	44.37	54.00	-9.63	Average
2	15215.000	51.50	6.27	57.77	74.00	-16.23	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11b	Channel:	2472MHz
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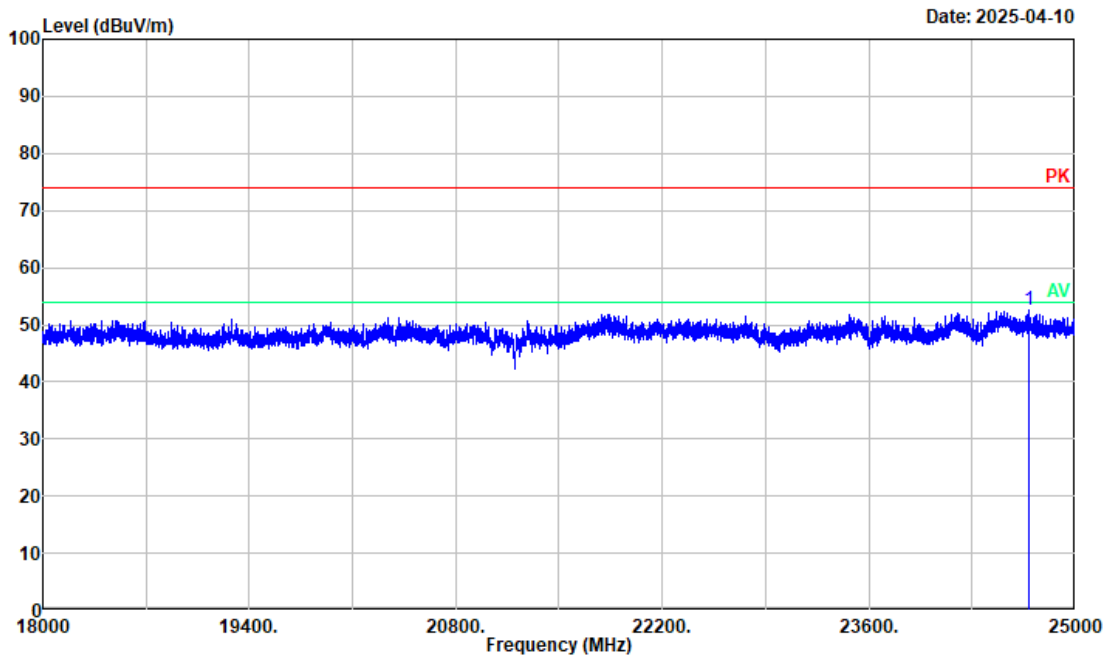


Project No. : 2505Q45199E-RF
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.9°C/56%R.H./100.3kPa
 Tested by : Luke Li
 Polarization : horizontal
 Remark : 802.11b 2472

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	24468.920	53.94	-1.45	52.49	74.00	-21.51	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
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11b	Channel:	2472MHz
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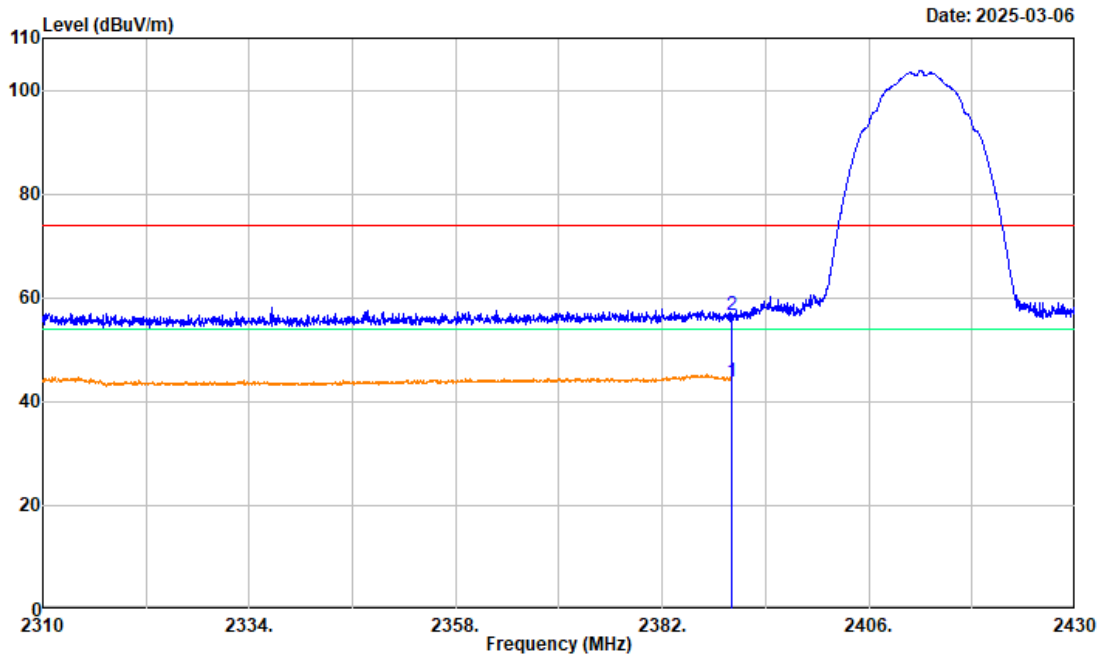
Project No. : 2505Q45199E-RF
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.9°C/56%R.H./100.3kPa
 Tested by : Luke Li
 Polarization : Vertical
 Remark : 802.11b 2472

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	24688.960	53.85	-1.30	52.55	74.00	-21.45	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain - Distance extrapolate factor
 Distance extrapolate factor = $20 \cdot \log(\text{specified distance}/\text{measured distance})$
 Specified distance = 3 meters, measured distance = 1.5 meters
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Radiated Band edge:

Mode:	802.11b	Channel:	2412MHz
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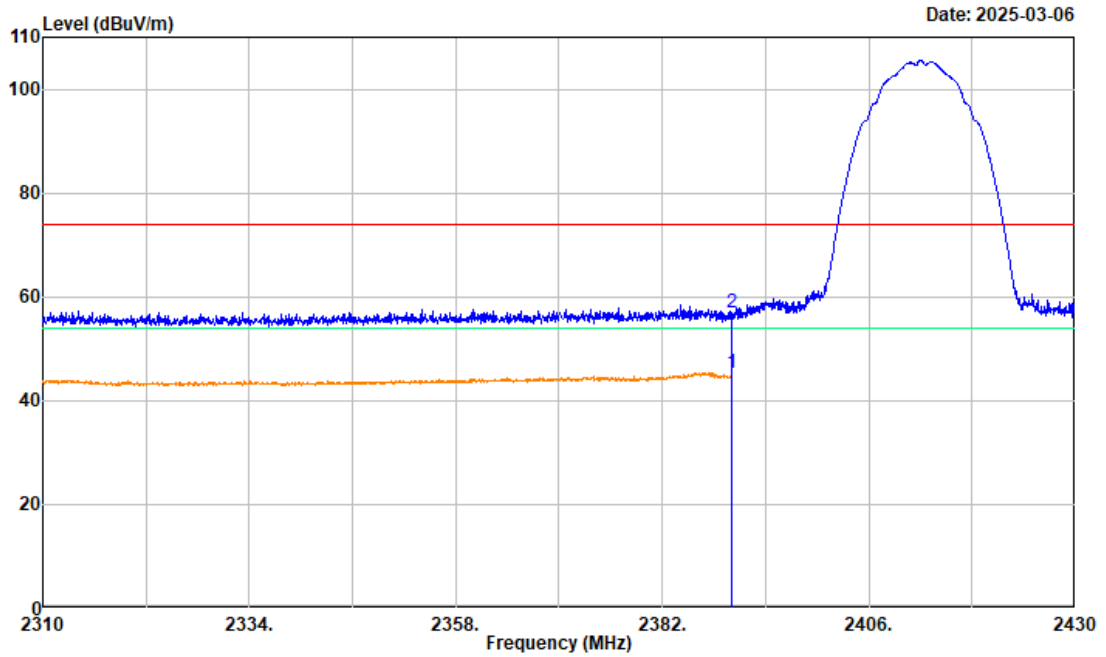


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11b 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2389.980	36.76	7.00	43.76	54.00	-10.24	Average
2	2389.980	49.75	7.00	56.75	74.00	-17.25	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

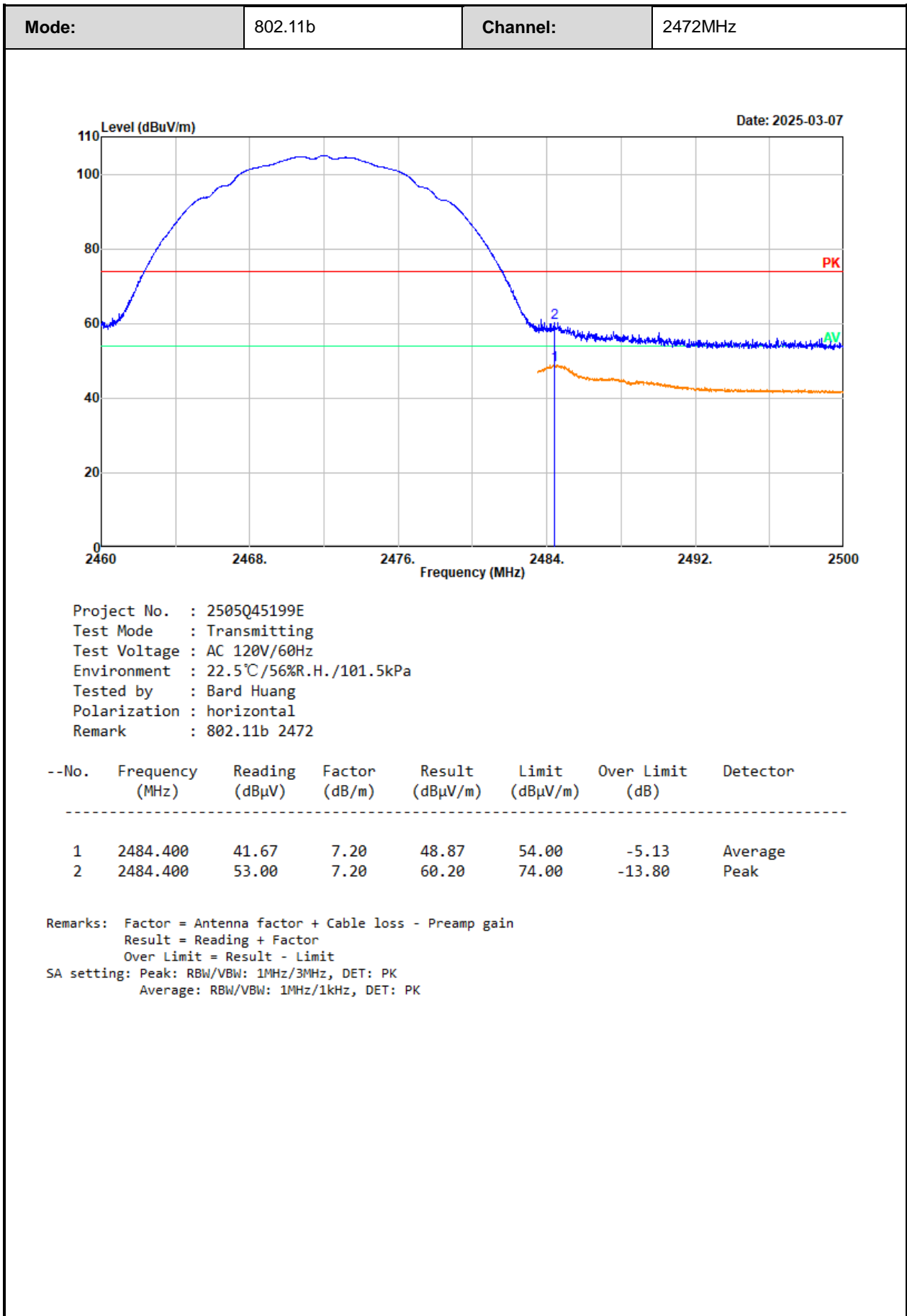
Mode:	802.11b	Channel:	2412MHz
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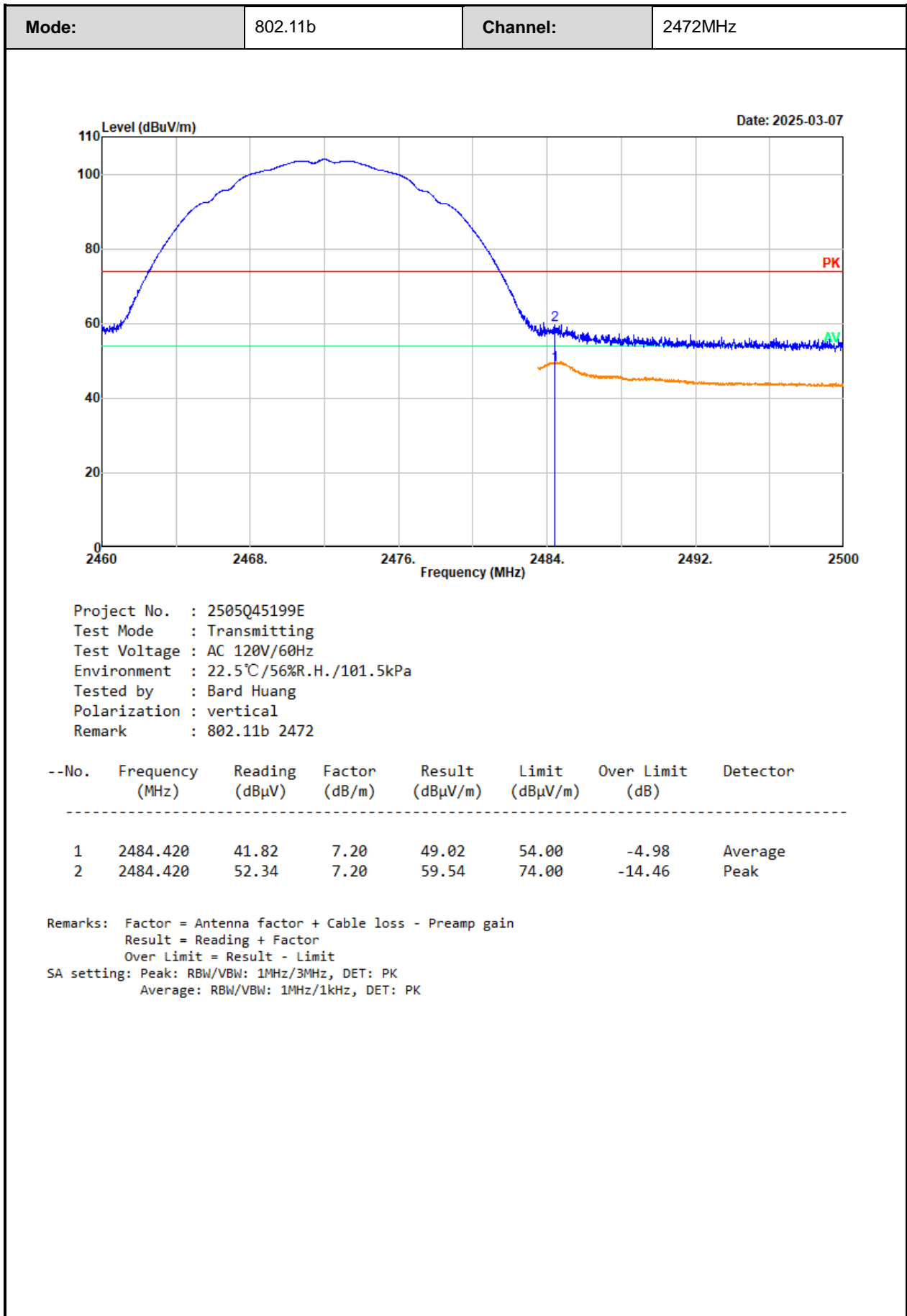


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11b 2412

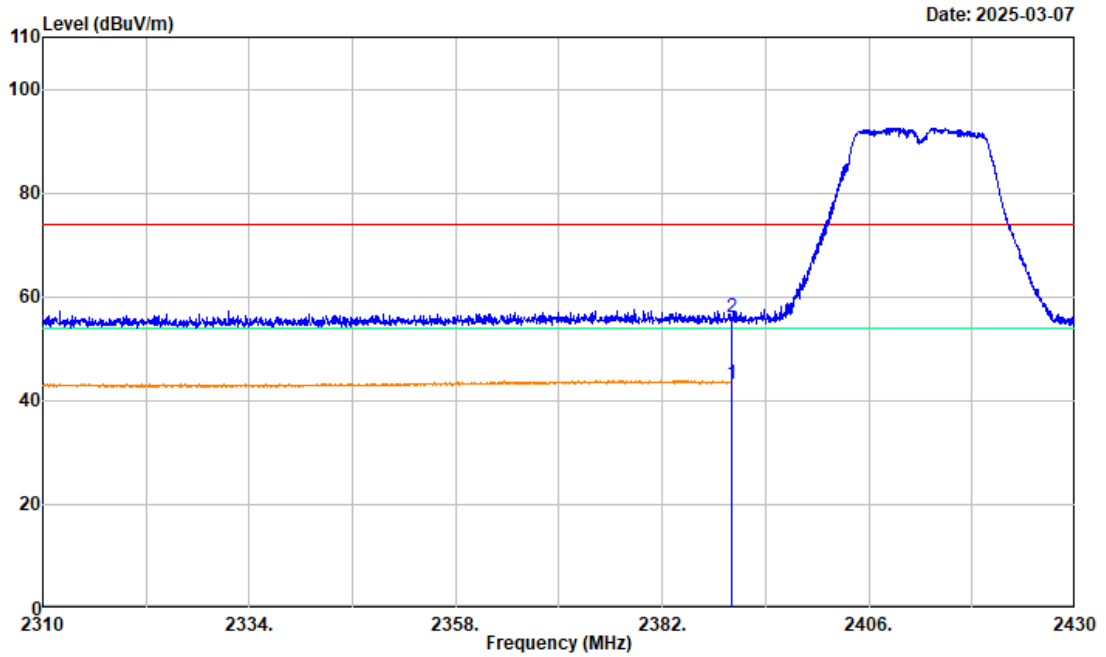
--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2389.980	38.27	7.00	45.27	54.00	-8.73	Average
2	2389.980	49.84	7.00	56.84	74.00	-17.16	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK





Mode:	802.11g	Channel:	2412MHz
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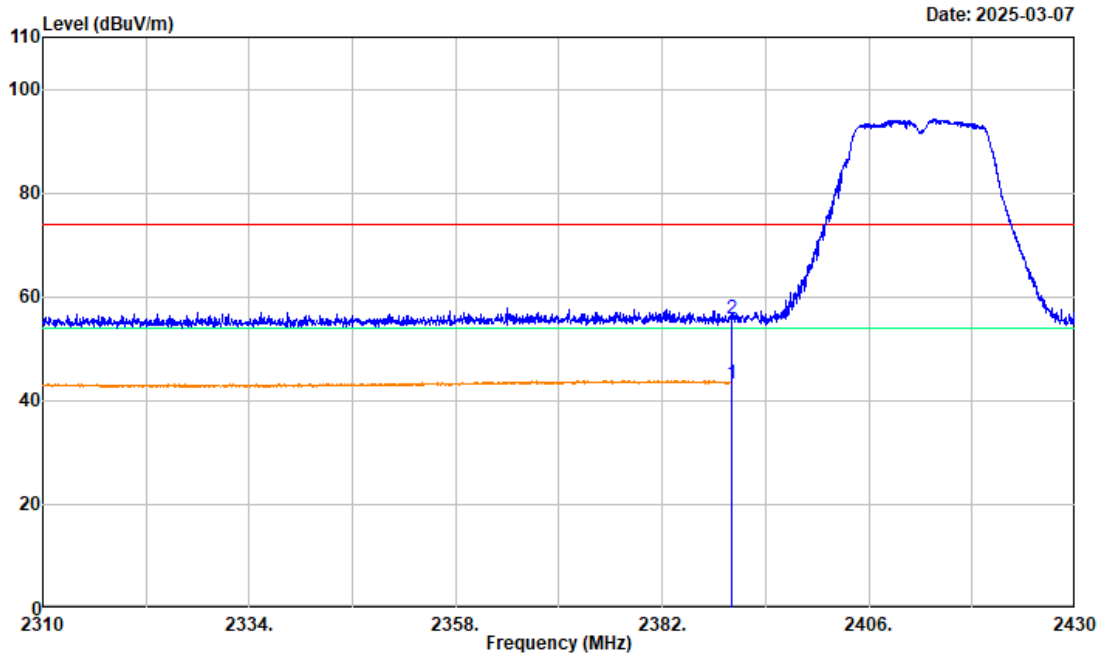


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2389.980	36.36	7.00	43.36	54.00	-10.64	Average
2	2389.980	48.92	7.00	55.92	74.00	-18.08	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11g	Channel:	2412MHz
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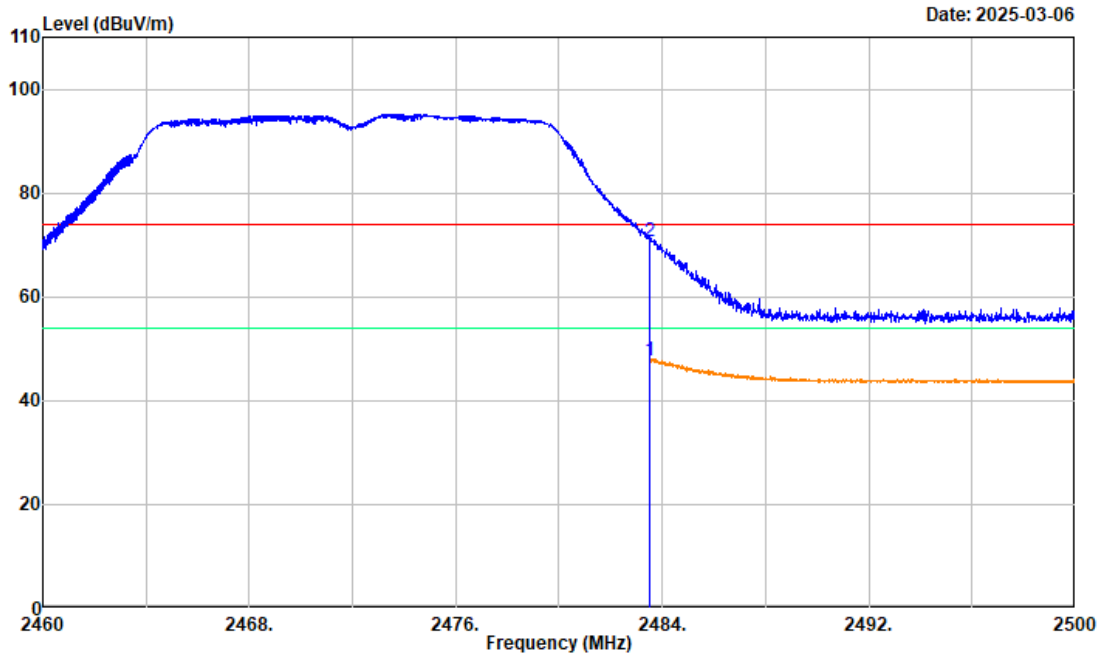


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2389.980	36.30	7.00	43.30	54.00	-10.70	Average
2	2389.980	48.83	7.00	55.83	74.00	-18.17	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11g	Channel:	2472MHz
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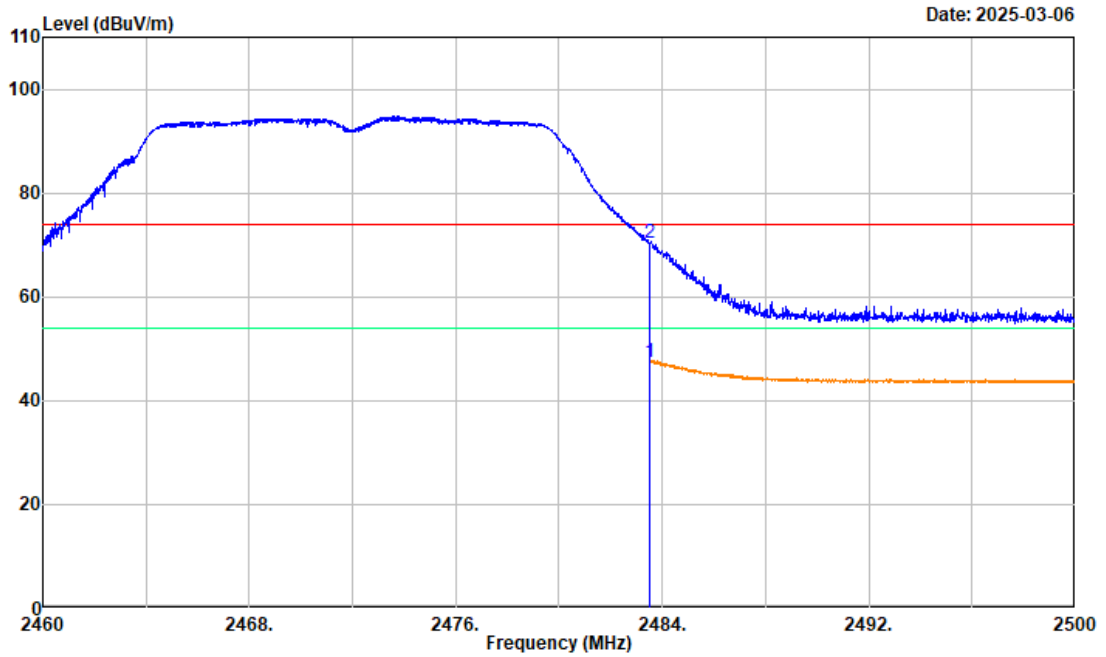


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11g 2472

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	40.41	7.20	47.61	54.00	-6.39	Average
2	2483.500	63.52	7.20	70.72	74.00	-3.28	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11g	Channel:	2472MHz
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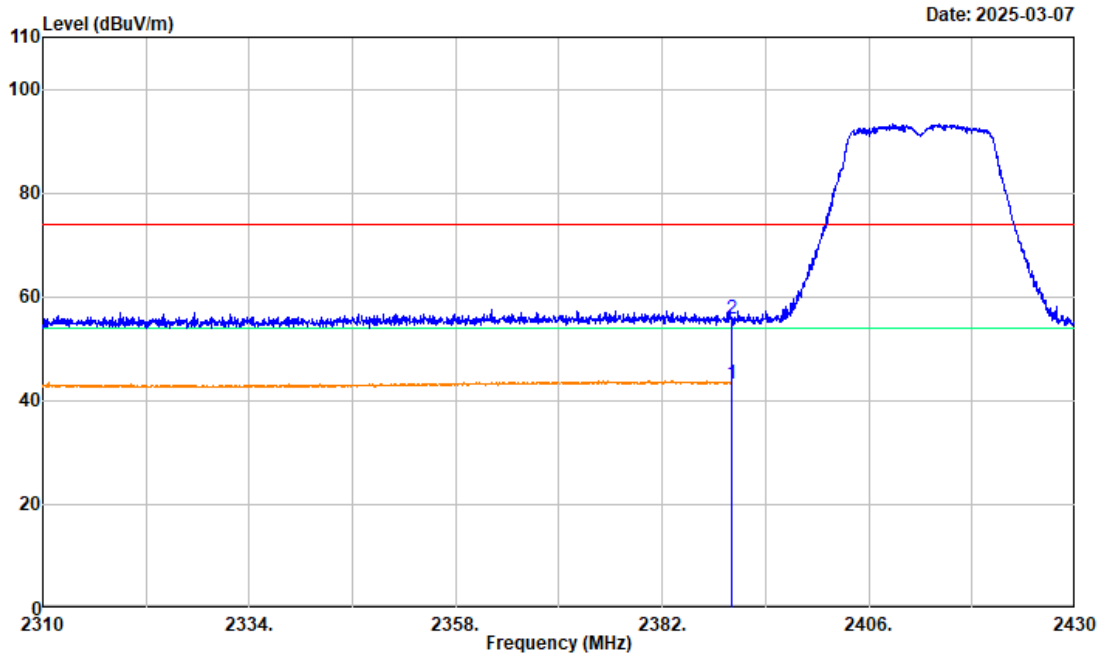


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11g 2472

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	40.21	7.20	47.41	54.00	-6.59	Average
2	2483.500	63.15	7.20	70.35	74.00	-3.65	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11n	Channel:	2412MHz
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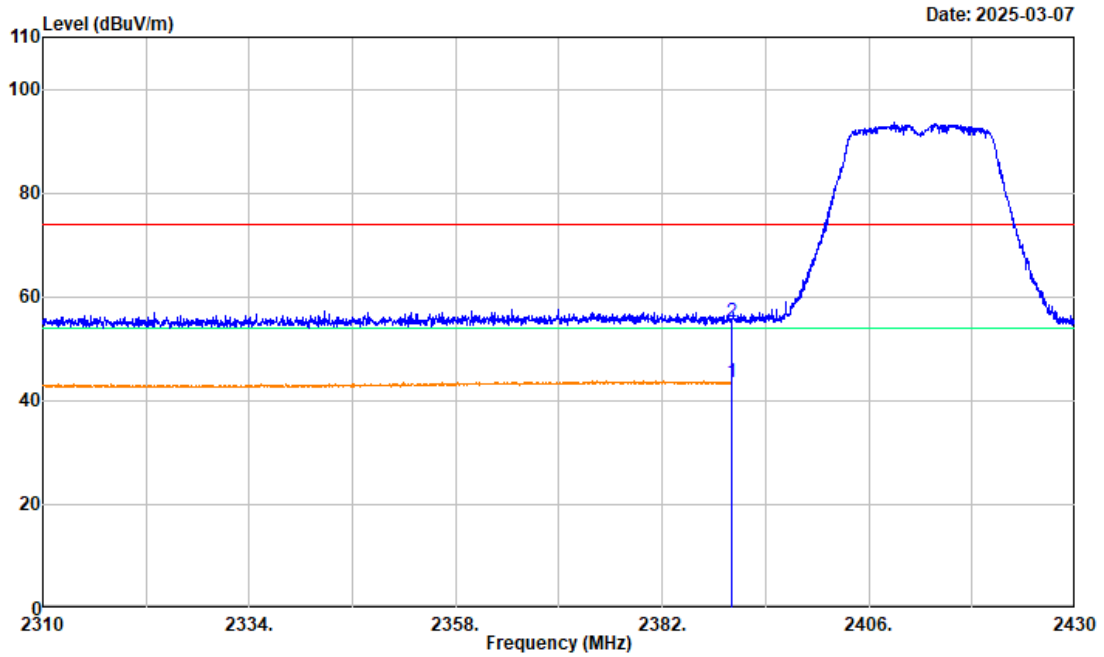


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11n 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2389.980	36.15	7.00	43.15	54.00	-10.85	Average
2	2389.980	48.87	7.00	55.87	74.00	-18.13	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11n	Channel:	2412MHz
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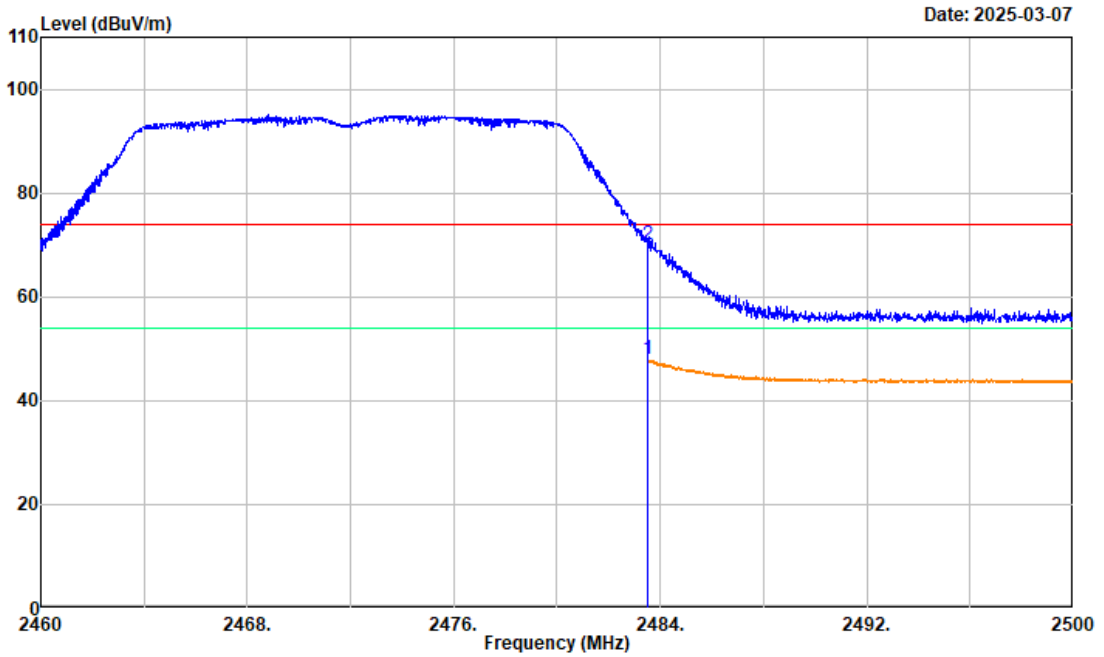


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11n 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2389.980	36.44	7.00	43.44	54.00	-10.56	Average
2	2389.980	48.18	7.00	55.18	74.00	-18.82	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11n	Channel:	2472MHz
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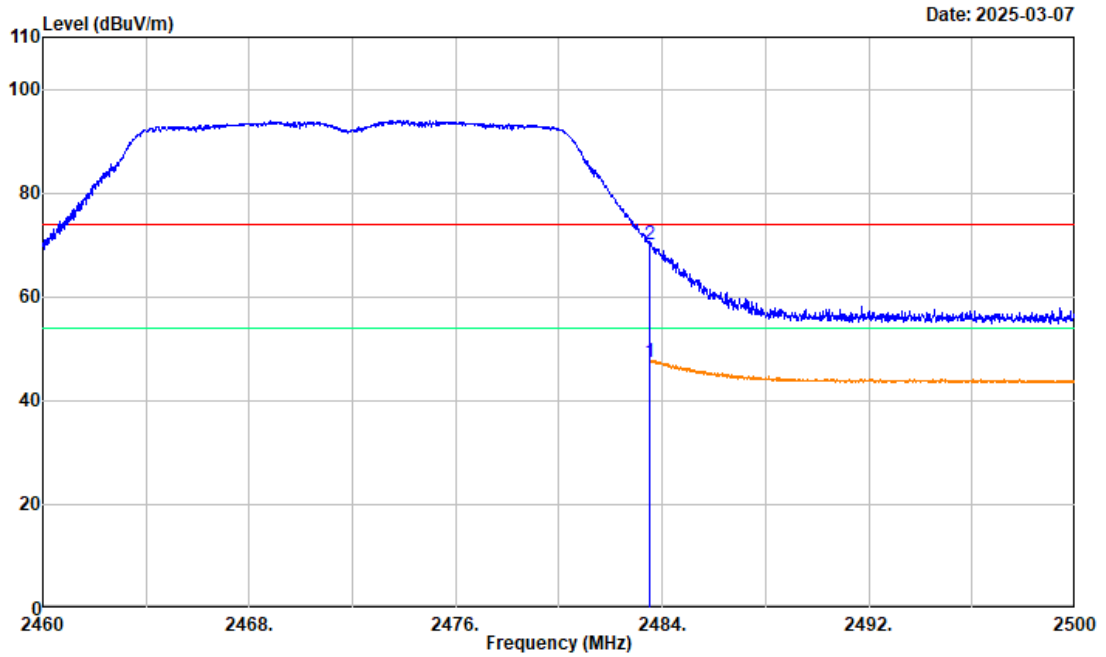


Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : horizontal
 Remark : 802.11n 2472

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	40.88	7.20	48.08	54.00	-5.92	Average
2	2483.500	62.98	7.20	70.18	74.00	-3.82	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

Mode:	802.11n	Channel:	2472MHz
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Project No. : 2505Q45199E
 Test Mode : Transmitting
 Test Voltage : AC 120V/60Hz
 Environment : 22.5°C/56%R.H./101.5kPa
 Tested by : Bard Huang
 Polarization : vertical
 Remark : 802.11n 2472

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	40.34	7.20	47.54	54.00	-6.46	Average
2	2483.500	62.97	7.20	70.17	74.00	-3.83	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
 Result = Reading + Factor
 Over Limit = Result - Limit
 SA setting: Peak: RBW/VBW: 1MHz/3MHz, DET: PK
 Average: RBW/VBW: 1MHz/1kHz, DET: PK

3.5 RF Conducted Test Data

Test Date:	2025-03-14	Test By:	Ryan Zhang
Environment condition:	Temperature: 23.6°C;RelativeHumidity:60%; ATM Pressure: 100.8kPa		

3.5.1 6dB Emission Bandwidth

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	9.209	≥0.5	Pass
	2442	9.209	≥0.5	Pass
	2472	9.209	≥0.5	Pass
802.11g	2412	16.497	≥0.5	Pass
	2442	16.497	≥0.5	Pass
	2472	16.497	≥0.5	Pass
802.11n20	2412	17.778	≥0.5	Pass
	2442	17.738	≥0.5	Pass
	2472	17.778	≥0.5	Pass

3.5.2 99% Occupied Bandwidth

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	14.080
	2442	14.080
	2472	14.080
802.11g	2412	16.640
	2442	16.600
	2472	16.600
802.11n20	2412	17.840
	2442	17.800
	2472	17.800

3.5.3 Maximum Conducted Peak Output Power

Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	Verdict
802.11b	2412	17.12	30	Pass
	2442	17.33	30	Pass
	2472	17.47	30	Pass
802.11g	2412	12.55	30	Pass
	2442	12.84	30	Pass
	2472	13.05	30	Pass
802.11n20	2412	11.27	30	Pass
	2442	11.51	30	Pass
	2472	11.70	30	Pass

3.5.4 Power Spectral Density

Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-15.88	8	Pass
	2442	-15.62	8	Pass
	2472	-15.47	8	Pass
802.11g	2412	-26.49	8	Pass
	2442	-26.15	8	Pass
	2472	-25.92	8	Pass
802.11n20	2412	-26.73	8	Pass
	2442	-26.36	8	Pass
	2472	-26.17	8	Pass

3.5.5 100 kHz Bandwidth of Frequency Band Edge

Mode	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	2412	47.08	20	Pass
	2472	48.34	20	Pass
802.11g	2412	30.06	20	Pass
	2472	30.45	20	Pass
802.11n20	2412	31.59	20	Pass
	2472	29.02	20	Pass

3.5.6 Duty Cycle

.Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2442	100	100	100	0	NA	0.010
802.11g	2442	100	100	100	0	NA	0.010
802.11n20	2442	100	100	100	0	NA	0.010

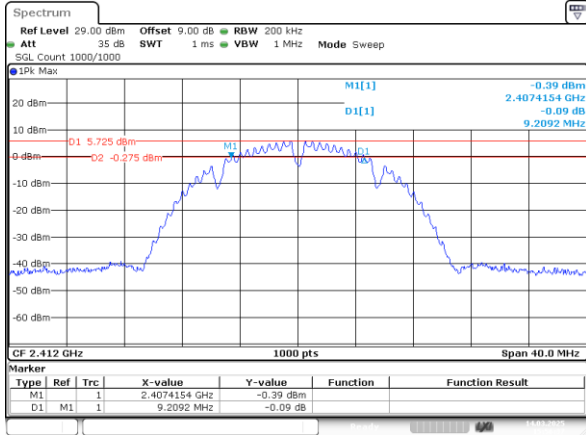
Duty Cycle = Ton/(Ton+Toff)*100%

Test Plots:

6 dB Emission Bandwidth:

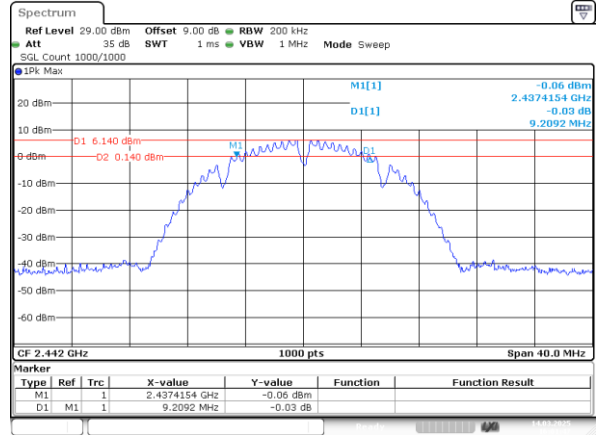
2412~2472

802.11b_2412MHz



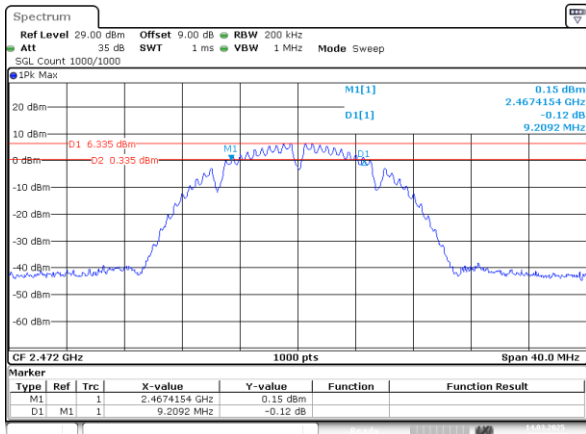
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Date: 14.MAR.2025 15:56:37

802.11b_2442MHz



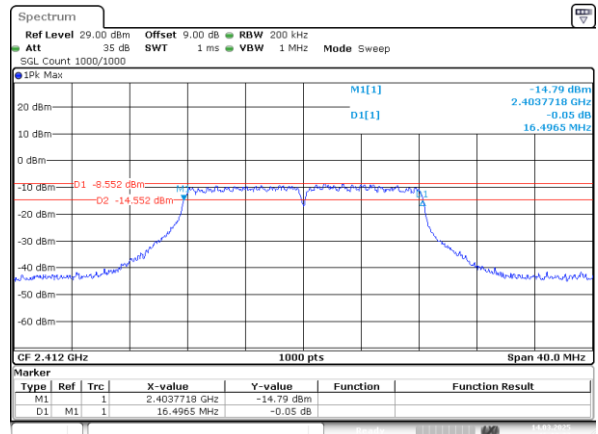
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Date: 14.MAR.2025 16:01:47

802.11b_2472MHz



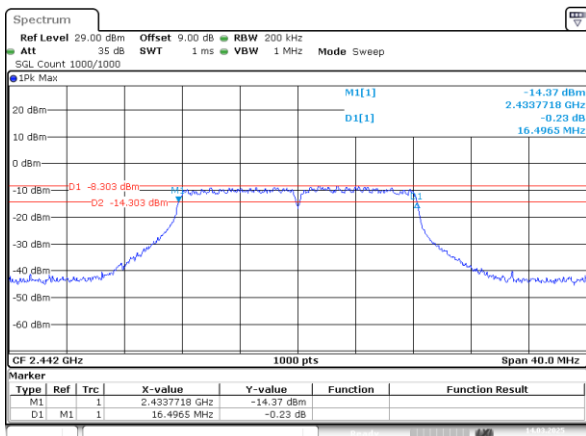
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802.11g_2412MHz



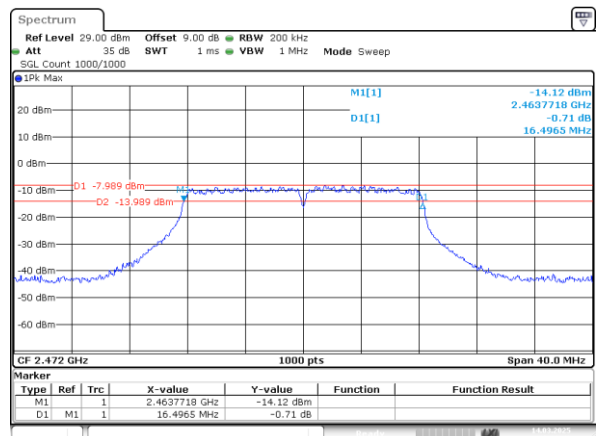
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802.11g_2442MHz



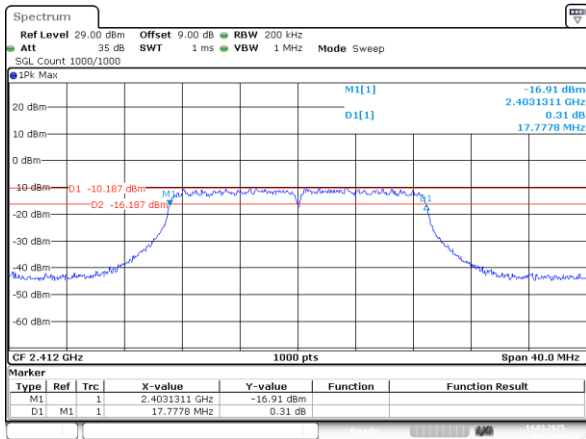
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802.11g_2472MHz



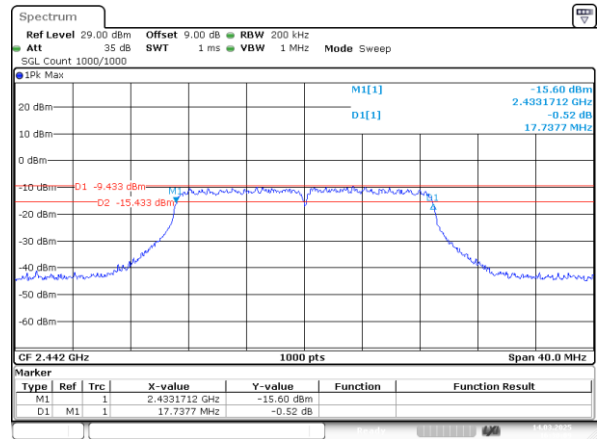
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802.11n20_2412MHz



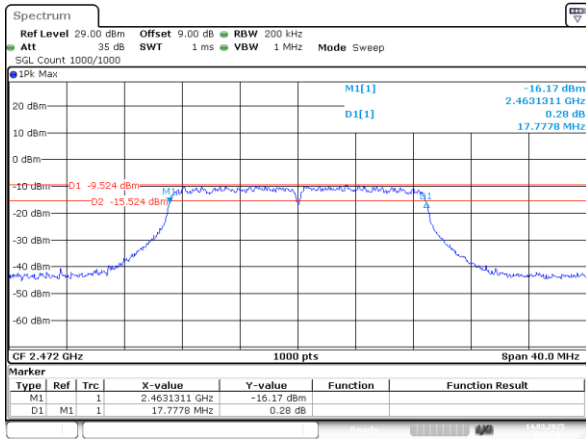
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Date: 14.MAR.2025 16:25:38

802.11n20_2442MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:30:09

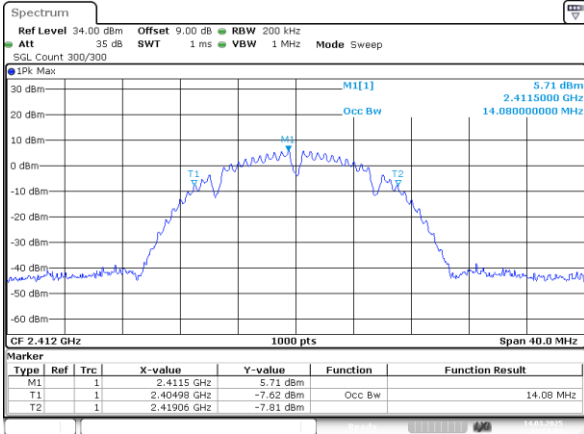
802.11n20_2472MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:33:03

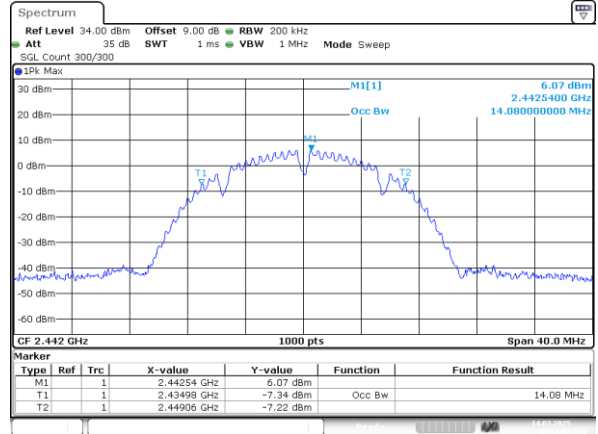
99% Occupied Bandwidth:
2412~2472

802.11b_2412MHz



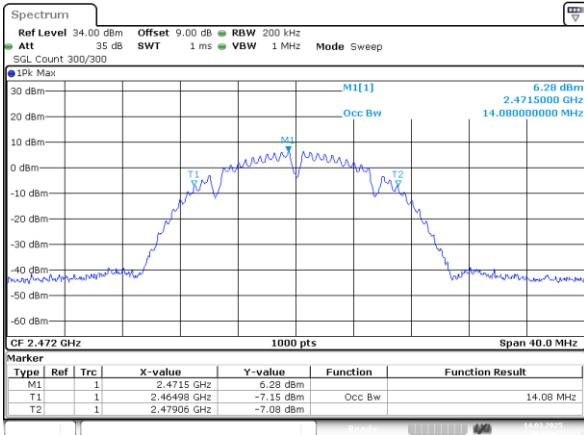
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Date: 14.MAR.2025 15:57:05

802.11b_2442MHz



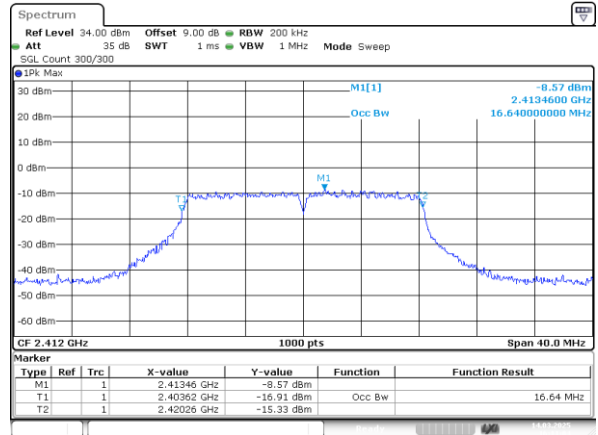
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Date: 14.MAR.2025 16:02:17

802.11b_2472MHz



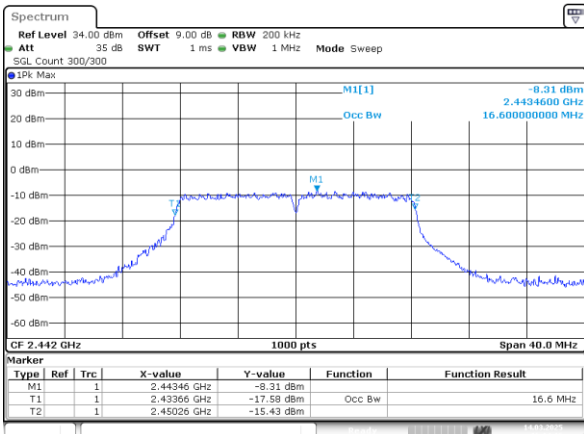
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802.11g_2412MHz



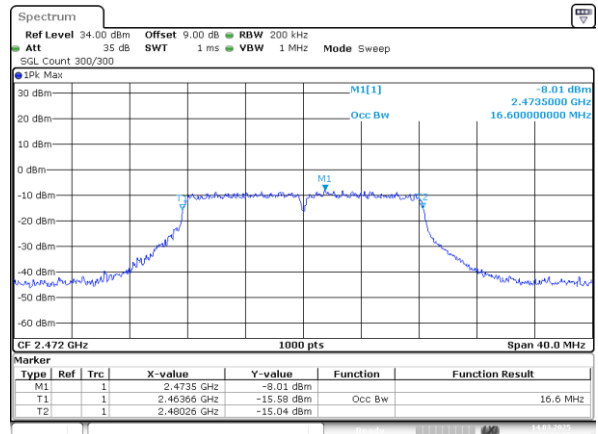
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Date: 14.MAR.2025 16:11:04

802.11g_2442MHz



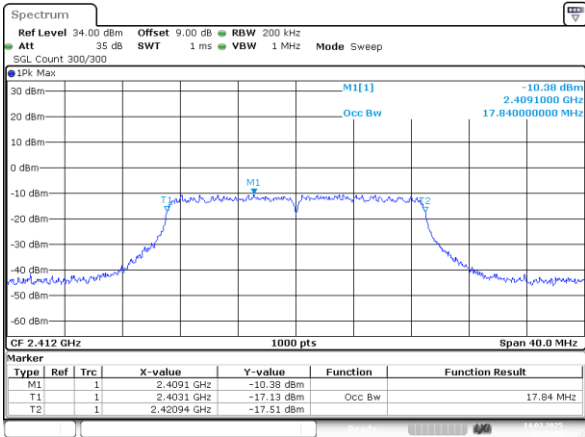
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Date: 14.MAR.2025 16:14:16

802.11g_2472MHz



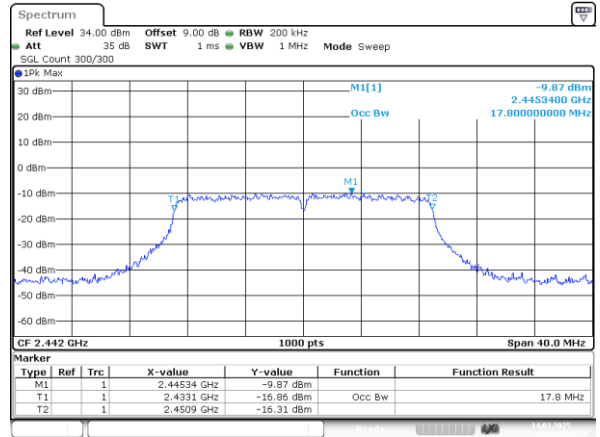
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802.11n20_2412MHz



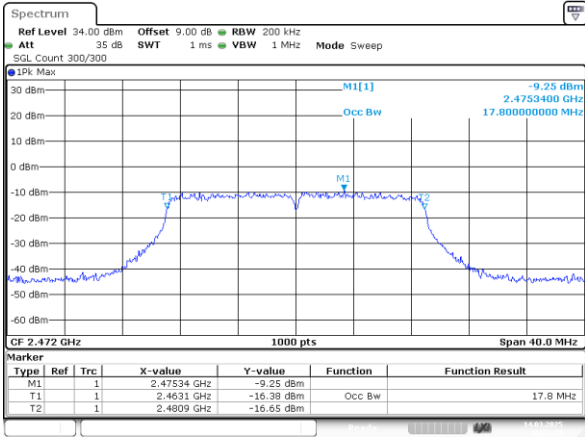
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Date: 14.MAR.2025 16:26:05

802.11n20_2442MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:30:33

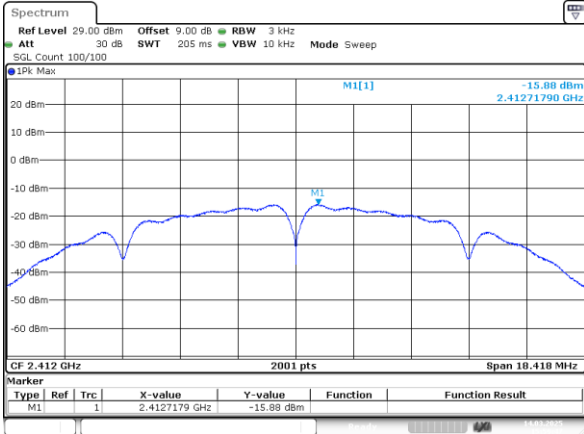
802.11n20_2472MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:33:29

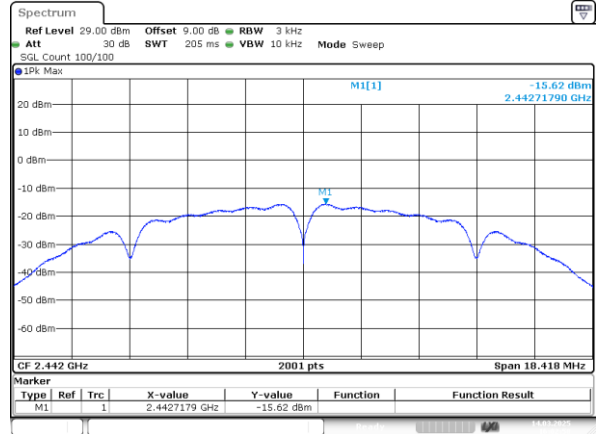
Power Spectral Density:
2412~2472

802.11b_2412MHz



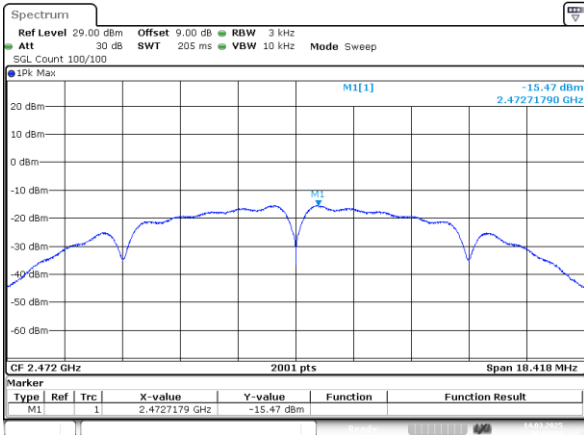
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802.11b_2442MHz



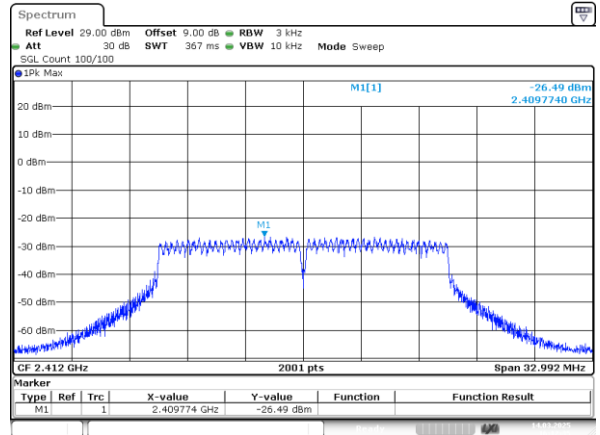
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802.11b_2472MHz



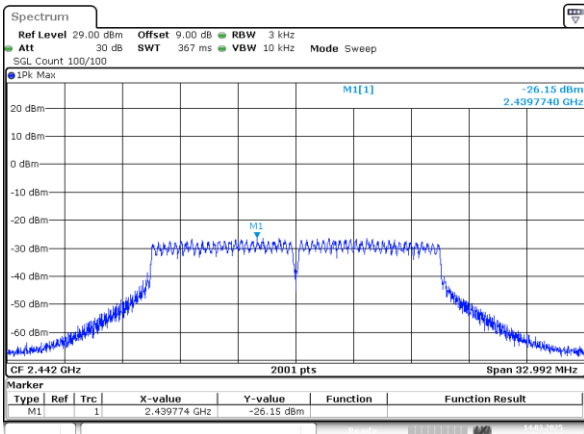
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802.11g_2412MHz



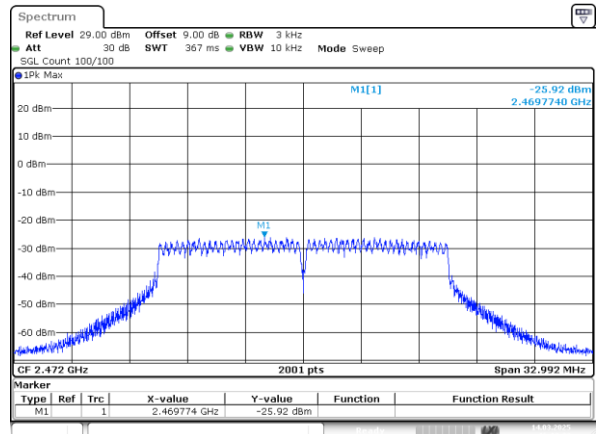
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802.11g_2442MHz



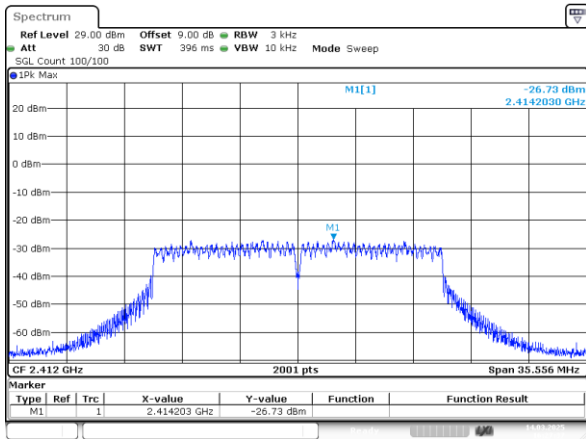
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802.11g_2472MHz



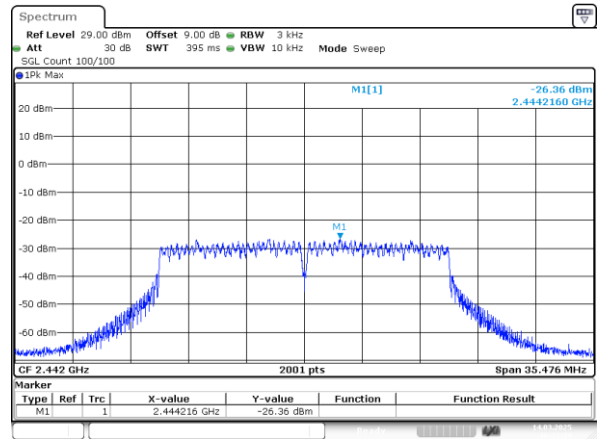
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Date: 14.MAR.2025 16:18:32

802.11n20_2412MHz



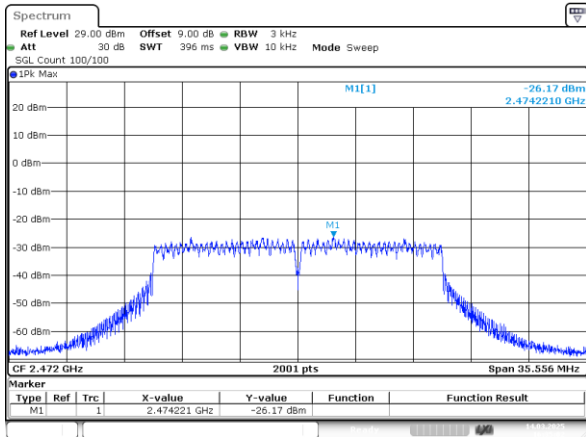
ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:27:36

802.11n20_2442MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:31:39

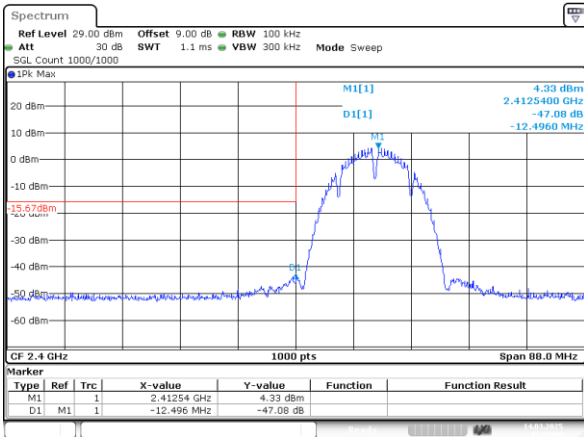
802.11n20_2472MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:35:01

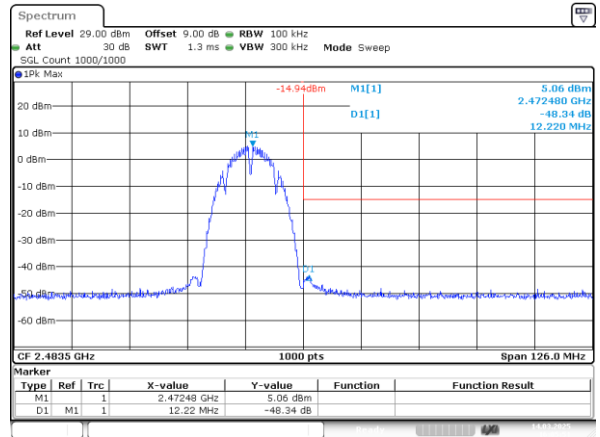
**100kHz Bandwidth of Frequency Band Edge:
2412~2472**

802.11b_2412MHz



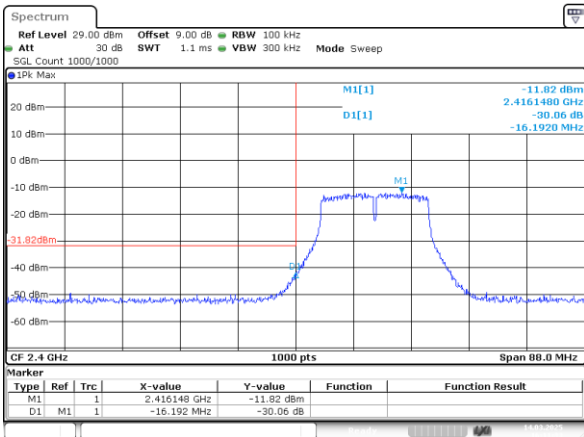
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Date: 14.MAR.2025 15:59:00

802.11b_2472MHz



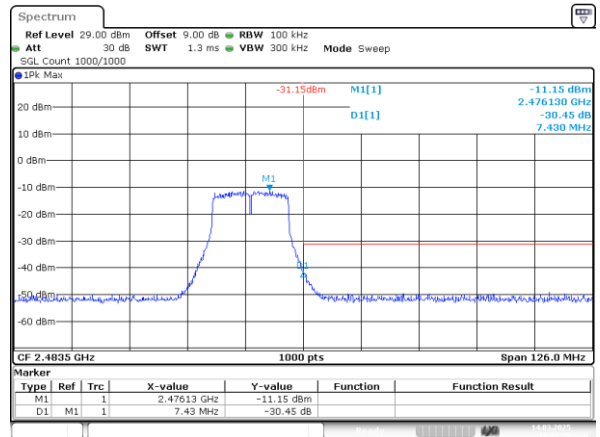
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Date: 14.MAR.2025 16:05:51

802.11g_2412MHz



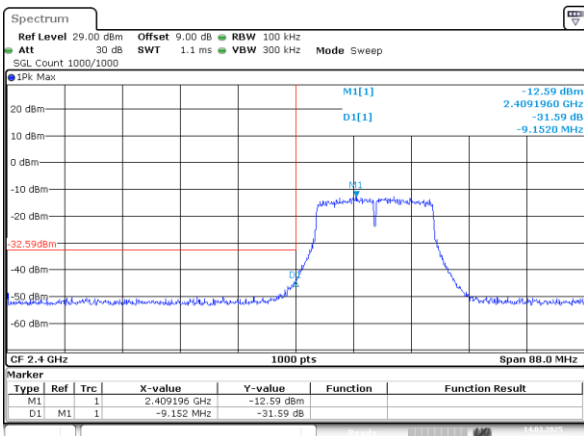
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Date: 14.MAR.2025 16:11:33

802.11g_2472MHz



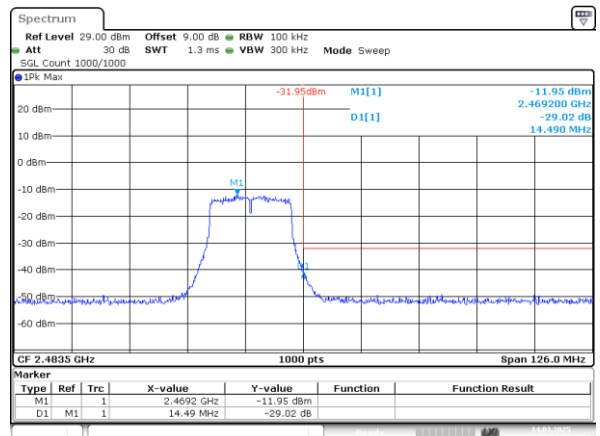
ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:17:29

802.11n20_2412MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:26:29

802.11n20_2472MHz

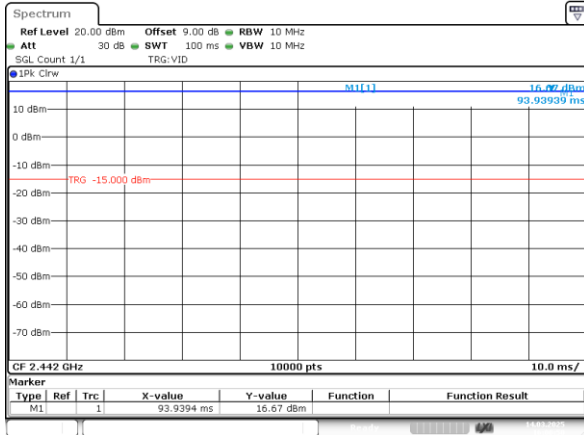


ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:33:54

Duty Cycle:

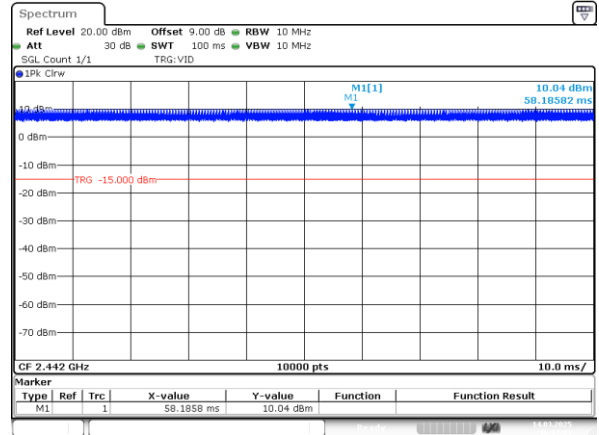
2412~2472

802.11b_2442MHz



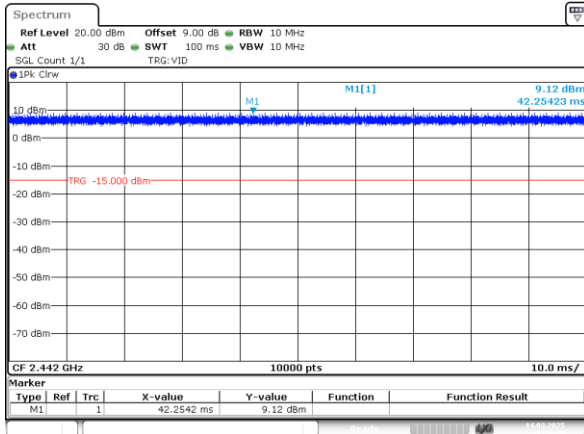
ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:00:50

802.11g_2442MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:13:02

802.11n20_2442MHz



ProjectNo.:2505Q45199E-RF Tester:Ryan Zhang
Date: 14.MAR.2025 16:29:18

4 Test Setup Photo

Please refer to the attachment 2505Q45199E Test Setup photo.

5 E.U.T Photo

Please refer to the attachment 2505Q45199E External photo and 2505Q45199E Internal photo.

---End of Report---