FCC Test Report

Report No.:	2405Z107557EC
Applicant:	Zhuhai Glory Technology Co., Ltd
Address:	8F, Bldg 7, No. 178 Dingxing Road, Tangjiawan Town, Zhuhai, Guangdong, China
Product Name:	8 CH Wi-Fi Network Video Recorder
Product Model:	N1
Multiple Models:	N/A
Trade Mark:	N/A
FCC ID:	2BMPT-N1
Standards:	FCC CFR Title 47 Part 15C (§15.247)
Test Date:	2024-12-12 to 2025-02-19
Test Result:	Complied
Report Date:	2025-02-21

Reviewed by: Abel Chen — Abel Chen, Project Engineer

Approved by: Jacob Kong — Jacob Kong, Manager

Prepared by:

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

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

NVLAP TESTING NVLAP LAB CODE 600335-0

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4. 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	*2025-02-21*	*Original*

Contents

1 General Information

1.1 Client Information

Applicant:	Zhuhai Glory Technology Co., Ltd
Address:	8F, Bldg 7, No. 178 Dingxing Road, Tangjiawan Town, Zhuhai, Guangdong, China
Manufacturer:	Zhuhai Glory Technology Co., Ltd
Address:	8F, Bldg 7, No. 178 Dingxing Road, Tangjiawan Town, Zhuhai, Guangdong, China

1.2 Product Description of EUT

The EUT is 8 CH Wi-Fi Network Video Recorder that contains 2.4G and 5G WLAN radios, this report covers the full testing of the 2.4G WLAN radio.

Sample Serial Number	2V98-1for CE test, 2V98-2 for RE&RF conducted test (assigned by WATC)
Sample Received Date	2024-12-02
Sample Status	Good Condition
Frequency Range	2412MHz - 2462MHz(802.11b, g, n-HT20) 2422MHz - 2452MHz(802.11n-HT40)
Maximum Conducted Peak Output Power	Module 1: 27.19dBm Module 2: 23.76dBm
Modulation Technology	DSSS, OFDM
Antenna Gain#	Module 1: ANT 1(chain 0): 2.69dBi, ANT 2(chain 1): 2.69dBi Module 2: 2.01dBi
Spatial Streams#	Module 1: MIMO (2TX, 2RX) Module 2: SISO(1TX, 1RX)
Power Supply	DC 12V from adapter
Adapter Information	N/A
Modification	Sample No Modification by the test lab
Note: the device installed two Wi-Fi modules, module 1 integrates RF chip MT7628 and with two antennas, module 2 integrates RF chip RTL8731BU and with one antenna, detail please refer the EUT photo, both the two module support 2.4G Wi-Fi.	

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 internal antennas which cannot replace by end-user. Please see product internal photos for details.

1.4 Related Submittal(s)/Grant(s)

FCC Part 15, Subpart E, Equipment Class: NII, FCC ID: 2BMPT-N1

1.5 Measurement Uncertainty

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

Note: *The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.*

1.6 Laboratory Location

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

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

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

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

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

1.7 Test Methodology

FCC CFR 47 Part 2

FCC CFR 47 Part 15

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2013

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

Test Mode:	
Transmitting mode:	Keep the EUT in continuous transmitting with modulation
Exercise software#:	SecureCRT

Mode	**Worst-case Data rate**	**Module 1 Power Level Setting#**					
		Low Channel		**Middle Channel**		**High Channel**	
		ANT 1	**ANT 2**	**ANT 1**	**ANT 2**	**ANT 1**	**ANT 2**
802.11b	1Mbps	17	17	17	17	17	17
802.11g	6Mbps	17	17	17	17	17	17
802.11n-HT20	6.5Mbps	17	17	17	17	17	17
802.11n-HT40	13.5Mbps	15	15	15	15	15	15

Mode	**Worst-case Data rate**	**Module 2 Power Level Setting#**		
		Low Channel	**Middle Channel**	**High Channel**
802.11b	1Mbps	40	40	40
802.11g	6Mbps	63	63	63
802.11n-HT20	6.5Mbps	63	63	63
The exercise software and the maximum power setting that provided by manufacturer.				

Worst-Case Configuration:
For AC power line conducted emission and radiated emission 9kHz-1GHz and above 18GHz were performed with the EUT transmits at the channel with highest output power as worst-case scenario. For radiated emissions below 30MHz, three antenna orientations (parallel, perpendicular, gound-parallel) were tested, only record the worse case test data in report. According to manufacturer, for module 1 support MIMO mode, all modes share the same power level setting under the same modulation. So the worst mode MIMO was selected to test

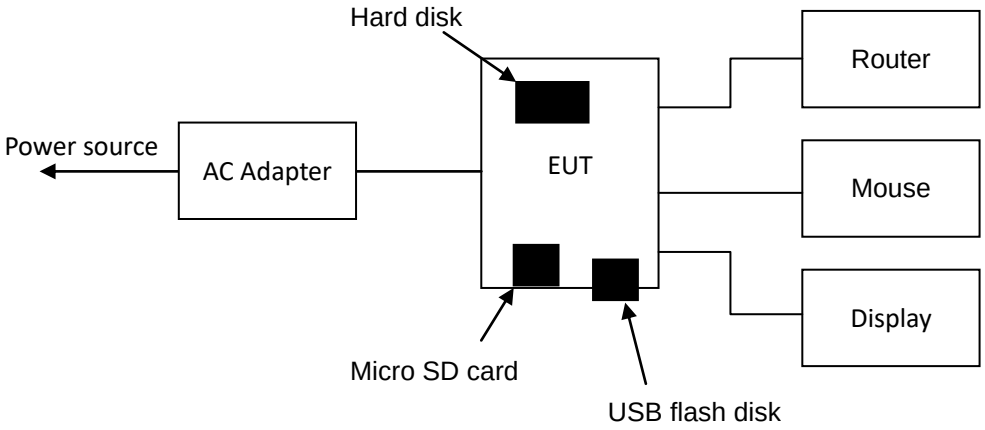
2.2 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
aigo	USB flash disk	unknown	unknown
Dell	Display	unknown	unknown
Lexar	Micro SD card	64GB	unknown
TP-link	Router	unknown	unknown
SAMSUNG	Hard disk	unknown	unknown
C.SA	AC Adapter	CS-1202000	unknown
unknown	Mouse	unknown	unknown

2.3 Interconnecting Cables

Manufacturer	Description	Length(m)	From	To
unknown	USB Cable	1.2	EUT	Mouse
CS	DC Power Cable	1.0	Adapter	EUT
unknown	RJ45 cable	10	EUT	Router
unknown	HDMI cable	1.5	EUT	Display

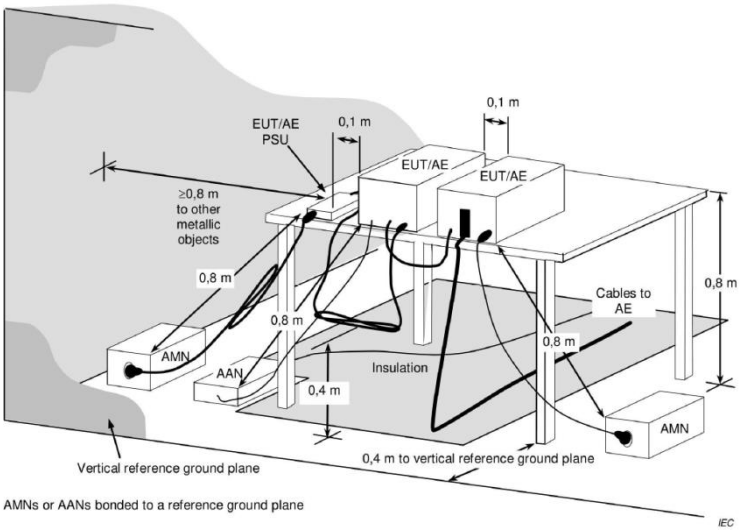
2.4 Block Diagram of Connection between EUT and AE



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

2.5 Test Setup

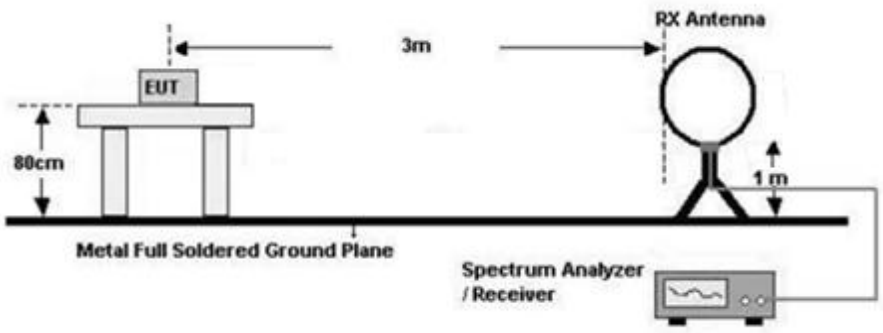
1) Conducted emission measurement:



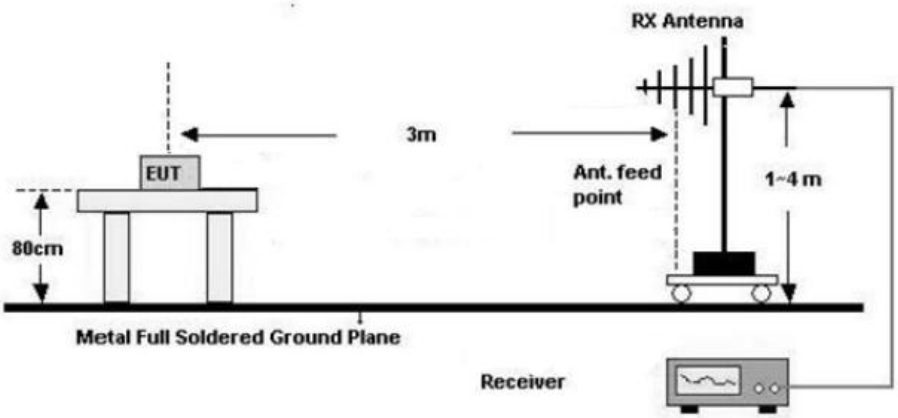
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

2) Radiated emission measurement:

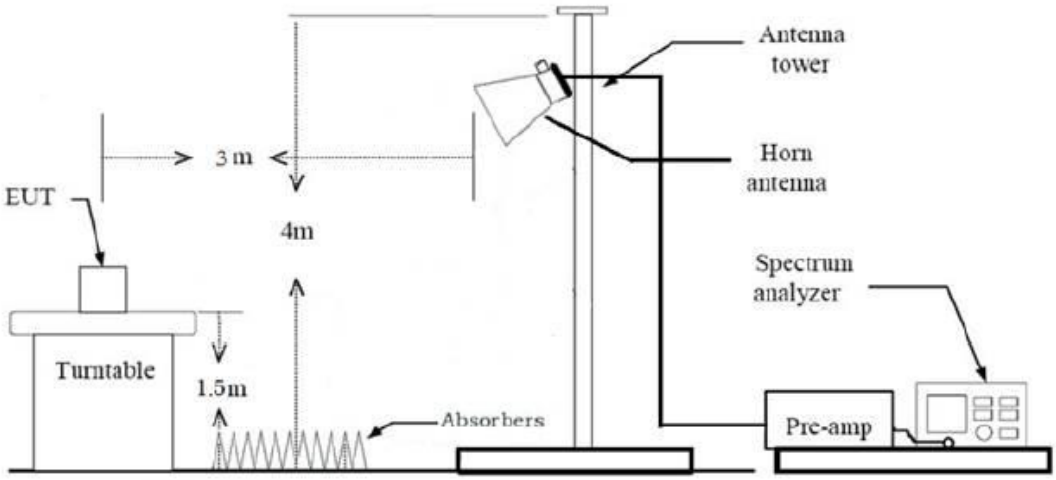
Below 30MHz (3m SAC)



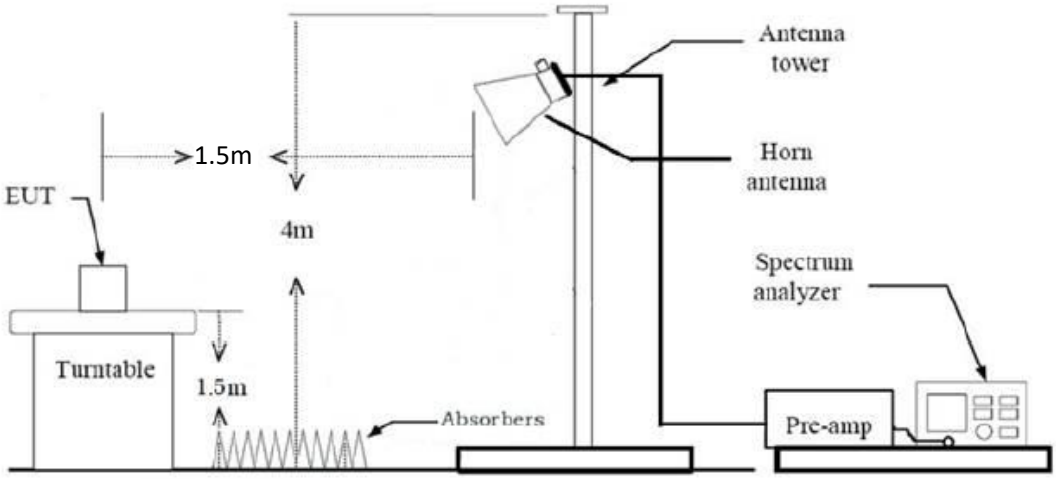
30MHz-1GHz (3m SAC)



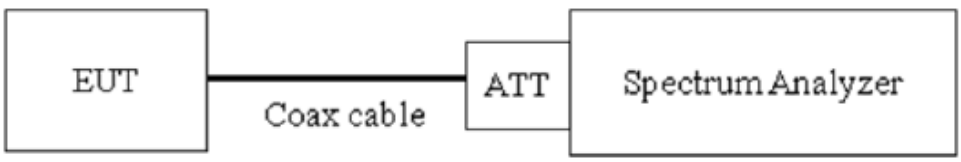
1GHz-18GHz



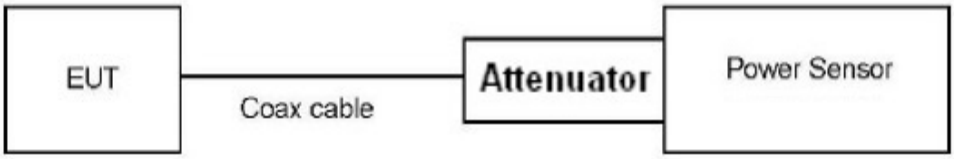
Above 18GHz



3) RF Conducted Test



or



2.6 Test Procedure

Conducted emission:

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

Radiated Emission Procedure:

a) For below 30MHz

1. All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz- 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were 40*Log (test distance / specification distance).
2. Loop antenna use, investigation was done on the three antenna orientations (parallel, perpendicular, gound-parallel)
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≥98%), or ≥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) (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 8.5/8.0dB (including 6.0dB Attenuator and 2.5/2.0dB 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 2.5/2.0dB 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 C63.10-2013 Section 6.2
Maximum Conducted Output Power	ANSI C63.10-2013 Section 11.9.1.2 PKPM1 Peak power meter method or ANSI C63.10-2013 Section 11.9.2.3.2 Method AVGPM-G
Power Spectral Density	ANSI C63.10-2013 Section 11.10.2 Method PKPSD (peak PSD)
6 dB Emission Bandwidth	ANSI C63.10-2013 Section 11.8.1
99% Occupied Bandwidth	ANSI C63.10-2013 Section 6.9.3
100kHz Bandwidth of Frequency Band Edge	ANSI C63.10-2013 Section 6.10
Radiated emission	ANSI C63.10-2013 Section 11.11&11.12
Duty Cycle	ANSI C63.10-2013 Section 11.6

2.8 Measurement Equipment

Manufacturer	Description	Model	Management No.	Calibration Date	Calibration Due Date
AC Line Conducted Emission Test					
ROHDE& SCHWARZ	EMI TEST RECEIVER	ESR	101817	2024/6/4	2025/6/3
R&S	LISN	ENV216	101748	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.12	N/A	2024/6/4	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

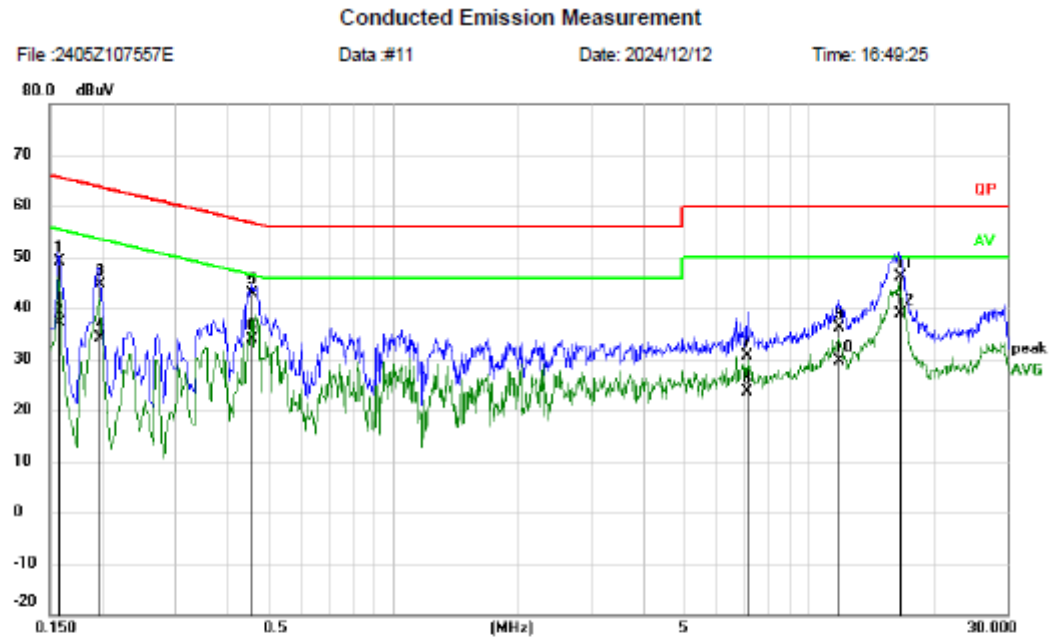
3.2 Limit

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:	2024-12-12	Test By:	Lirou Li
Environment condition:	Temperature: 22.9°C; Relative Humidity:48%; ATM Pressure: 101.1kPa		

Module 1:



Limit: QP
Mode:transmitting
Note: MT7628 802.11g-2462

Phase: L1
Power: AC 120V/60Hz

Temperature: 22.9 ℃
Humidity: 48 %
Air Pressure: 1011 hpa

Receiver Setting: 9~150kHz: Pre-scan: RBW: 200Hz, DET: PK/AV; Final measure: RBW: 200Hz, DET: QP/AV
0.15~30MHz: Pre-scan: RBW: 9kHz, DET: PK/AV; Final measure: RBW: 9kHz, DET: QP/AV

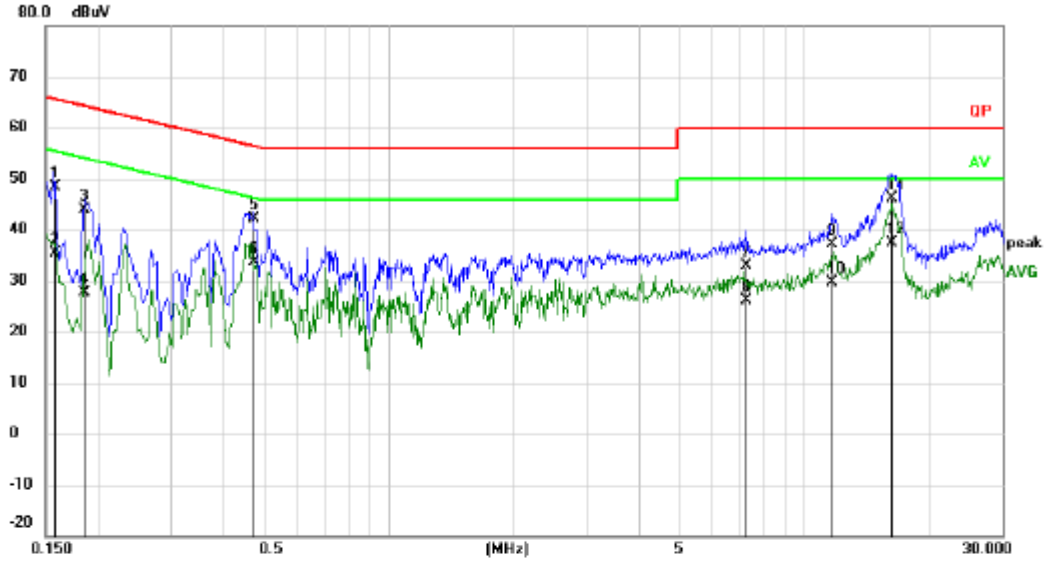
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1580	38.66	10.39	49.05	65.57	-16.52	QP	
2		0.1580	26.62	10.39	37.01	55.57	-18.56	AVG	
3		0.1980	34.31	10.31	44.62	63.69	-19.07	QP	
4		0.1980	23.91	10.31	34.22	53.69	-19.47	AVG	
5		0.4580	32.46	10.50	42.96	56.73	-13.77	QP	
6		0.4580	23.46	10.50	33.96	46.73	-12.77	AVG	
7		7.1019	20.26	10.32	30.58	60.00	-29.42	QP	
8		7.1019	13.25	10.32	23.57	50.00	-26.43	AVG	
9		11.8339	25.76	10.37	36.13	60.00	-23.87	QP	
10		11.8339	19.16	10.37	29.53	50.00	-20.47	AVG	
11		16.4979	35.90	10.29	46.19	60.00	-13.81	QP	
12	*	16.4979	28.56	10.29	38.85	50.00	-11.15	AVG	

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

Engineer Signature: Lirou

Conducted Emission Measurement

File :2405Z107557E Data :#12 Date: 2024/12/12 Time: 16:56:15



Limit: QP Phase: N Temperature: 22.9 ℃

Mode:transmitting Power: AC 120V/60Hz Humidity: 48 %

Note: MT7628 802.11g-2462 Air Pressure: 1011 hpa

Receiver Setting: 9~150kHz: Pre-scan: RBW: 200Hz, DET: PK/AV; Final measure: RBW: 200Hz, DET: QP/AV
0.15~30MHz: Pre-scan: RBW: 9kHz, DET: PK/AV; Final measure: RBW: 9kHz, DET: QP/AV

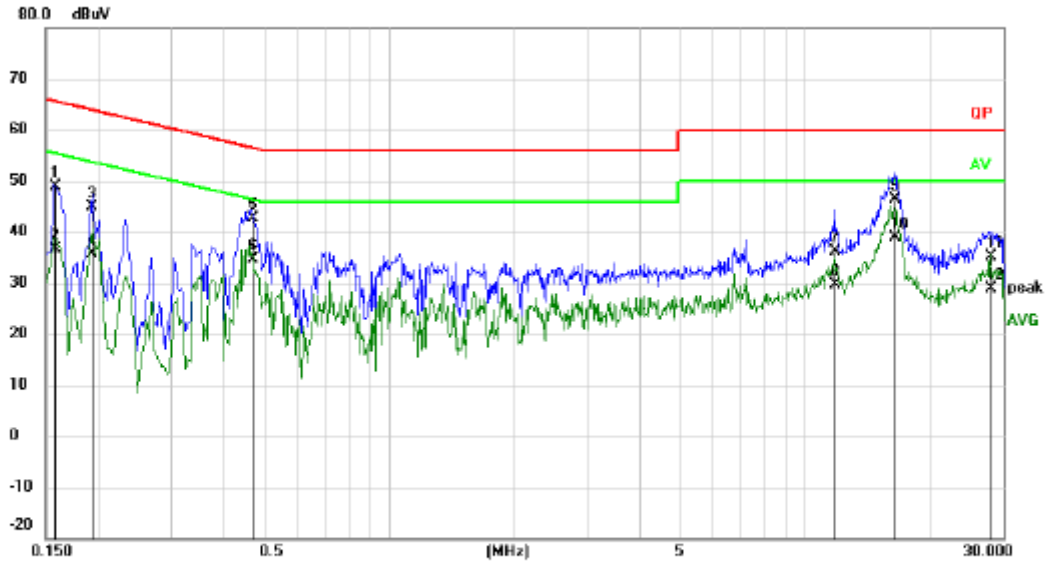
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1580	38.23	10.23	48.46	65.57	-17.11	QP	
2		0.1580	25.10	10.23	35.33	55.57	-20.24	AVG	
3		0.1860	33.63	10.28	43.91	64.21	-20.30	QP	
4		0.1860	17.32	10.28	27.60	54.21	-26.61	AVG	
5		0.4740	31.59	10.50	42.09	56.44	-14.35	QP	
6		0.4740	23.06	10.50	33.56	46.44	-12.88	AVG	
7		7.2740	22.54	10.42	32.96	60.00	-27.04	QP	
8		7.2740	15.76	10.42	26.18	50.00	-23.82	AVG	
9		11.6300	26.72	10.41	37.13	60.00	-22.87	QP	
10		11.6300	19.28	10.41	29.69	50.00	-20.31	AVG	
11		16.2740	35.69	10.34	46.03	60.00	-13.97	QP	
12	*	16.2740	27.07	10.34	37.41	50.00	-12.59	AVG	

*:Maximum data x:Over limit !:over margin Engineer Signature: Lirou

Module 2:

Conducted Emission Measurement

File :2405Z107557E Data :#14 Date: 2024/12/12 Time: 17:24:44



Limit: QP Phase: L1 Temperature: 22.9 ℃

Mode:transmitting Power: AC 120V/60Hz Humidity: 48 %

Note: RTL 8731BU 802.11g-2412 Air Pressure: 1011 hpa

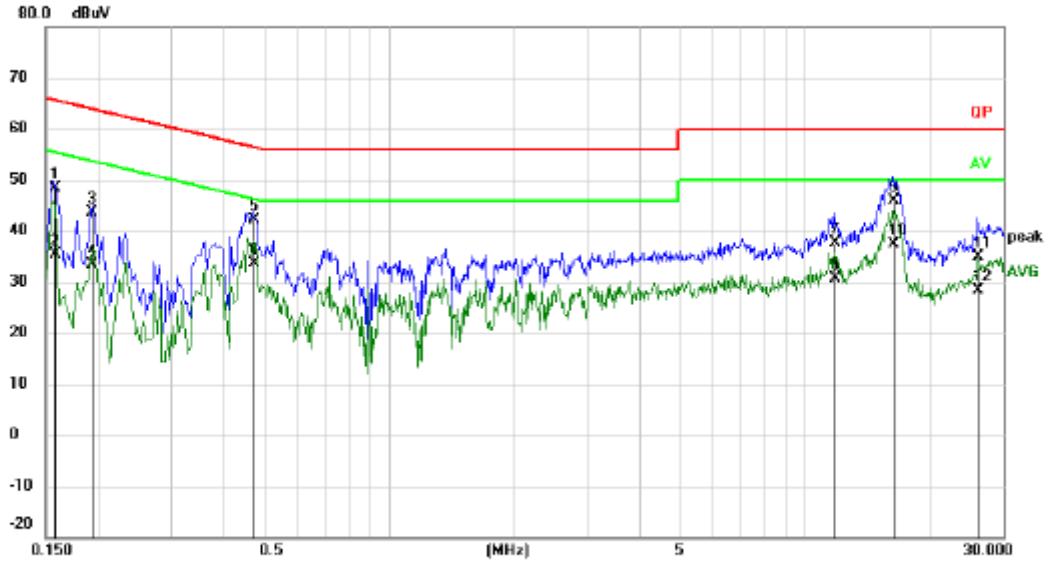
Receiver Setting: 9~150kHz: Pre-scan: RBW: 200Hz, DET: PK/AV; Final measure: RBW: 200Hz, DET: QP/AV
0.15~30MHz: Pre-scan: RBW: 9kHz, DET: PK/AV; Final measure: RBW: 9kHz, DET: QP/AV

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1580	38.49	10.39	48.88	65.57	-16.69	QP	
2		0.1580	26.35	10.39	36.74	55.57	-18.83	AVG	
3		0.1940	34.68	10.32	45.00	63.86	-18.86	QP	
4		0.1940	25.26	10.32	35.58	53.86	-18.28	AVG	
5		0.4700	32.21	10.50	42.71	56.51	-13.80	QP	
6		0.4700	24.03	10.50	34.53	46.51	-11.98	AVG	
7		11.8460	25.76	10.37	36.13	60.00	-23.87	QP	
8		11.8460	19.16	10.37	29.53	50.00	-20.47	AVG	
9		16.4140	36.17	10.30	46.47	60.00	-13.53	QP	
10	*	16.4140	28.64	10.30	38.94	50.00	-11.06	AVG	
11		27.9420	24.92	10.30	35.22	60.00	-24.78	QP	
12		27.9420	18.51	10.30	28.81	50.00	-21.19	AVG	

*:Maximum data x:Over limit !:over margin Engineer Signature: Lirou

Conducted Emission Measurement

File :2405Z107557E Data :#13 Date: 2024/12/12 Time: 17:12:52



Limit: QP Phase: N Temperature: 22.9 ℃
Mode:transmitting Power: AC 120V/60Hz Humidity: 48 %
Note: RTL 8731BU 802.11g-2412 Air Pressure: 1011 hpa

Receiver Setting: 9~150kHz: Pre-scan: RBW: 200Hz, DET: PK/AV; Final measure: RBW: 200Hz, DET: QP/AV
0.15~30MHz: Pre-scan: RBW: 9kHz, DET: PK/AV; Final measure: RBW: 9kHz, DET: QP/AV

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1580	38.23	10.23	48.46	65.57	-17.11	QP	
2		0.1580	25.08	10.23	35.31	55.57	-20.26	AVG	
3		0.1940	33.31	10.30	43.61	63.86	-20.25	QP	
4		0.1940	23.12	10.30	33.42	53.86	-20.44	AVG	
5		0.4740	31.64	10.50	42.14	56.44	-14.30	QP	
6		0.4740	23.14	10.50	33.64	46.44	-12.80	AVG	
7		11.8459	27.23	10.41	37.64	60.00	-22.36	QP	
8		11.8459	20.17	10.41	30.58	50.00	-19.42	AVG	
9		16.3939	35.55	10.34	45.89	60.00	-14.11	QP	
10	*	16.3939	27.07	10.34	37.41	50.00	-12.59	AVG	
11		26.0900	24.62	10.21	34.83	60.00	-25.17	QP	
12		26.0900	18.18	10.21	28.39	50.00	-21.61	AVG	

*:Maximum data x:Over limit !:over margin Engineer Signature: Lirou

Remark:

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

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

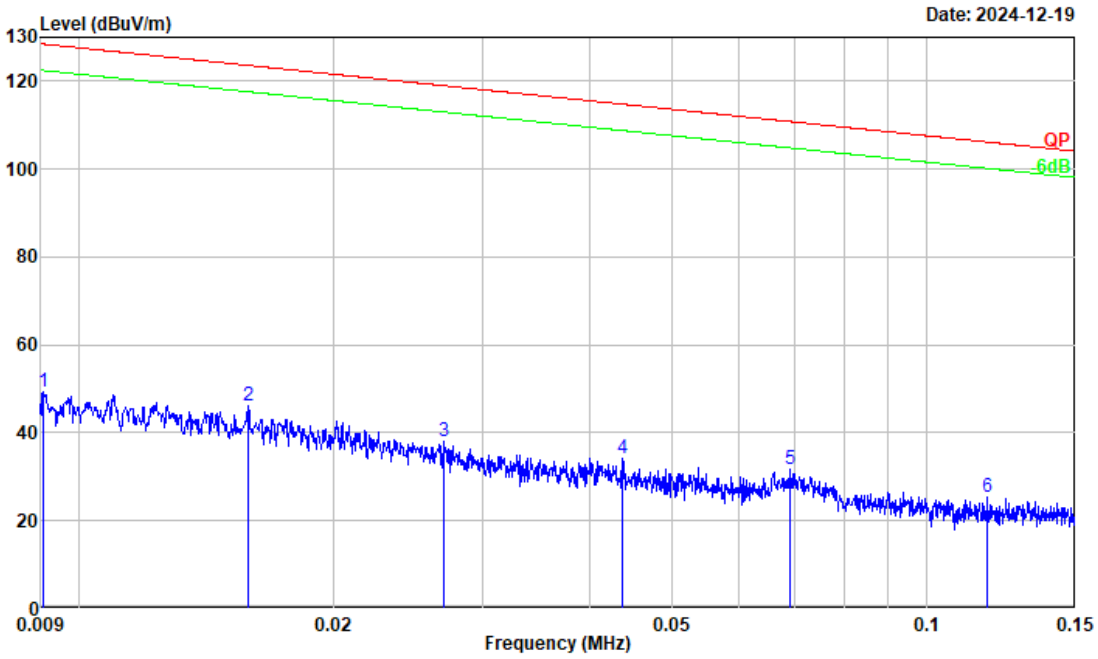
Over Limit = Measurement – Limit

3.4 Radiated emission Test Data

9 kHz-30MHz:

Test Date:	2024-12-19	Test By:	Luke Li
Environment condition:	Temperature: 24.6°C; Relative Humidity:26%; ATM Pressure: 101.5kPa		

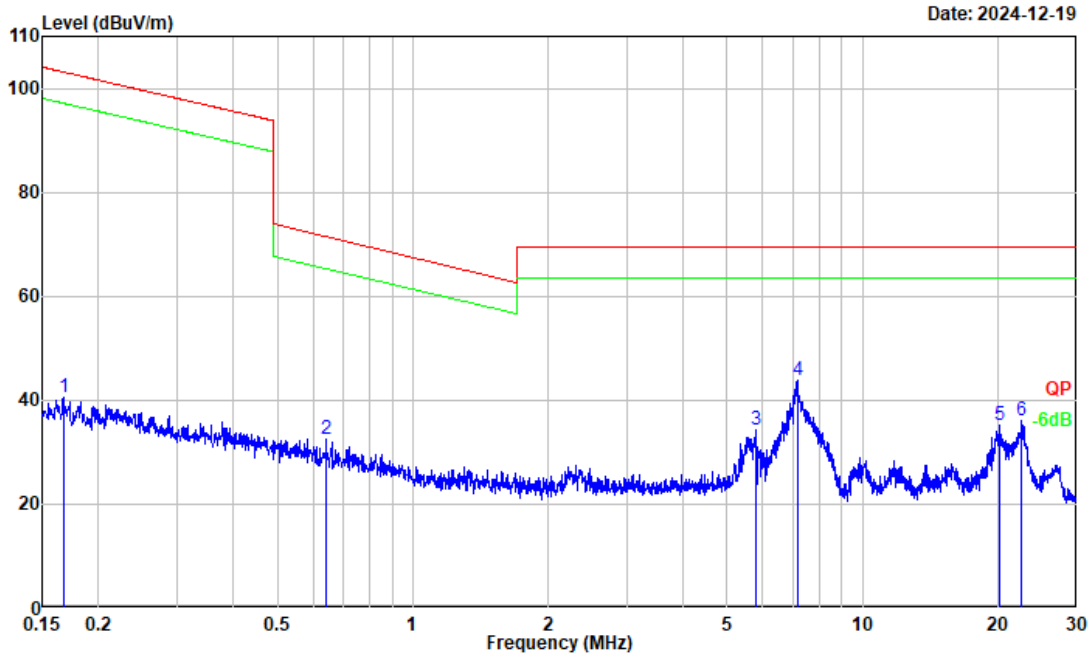
Module 1:



Project No. : 2405Z107557E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.6℃/26%R.H./101.5kPa
Tested by : Luke Li
Polarization : PARALLEL
Remark : MT7628 802.11g 2462

No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	0.009	11.39	37.97	49.36	128.46	-79.10	Peak
2	0.016	12.64	33.51	46.15	123.61	-77.46	Peak
3	0.027	11.66	26.44	38.10	118.98	-80.88	Peak
4	0.044	12.59	21.71	34.30	114.79	-80.49	Peak
5	0.069	13.98	17.78	31.76	110.82	-79.06	Peak
6	0.118	10.74	14.47	25.21	106.16	-80.95	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: RBW/VWB: 200Hz/1kHz, DET: PK

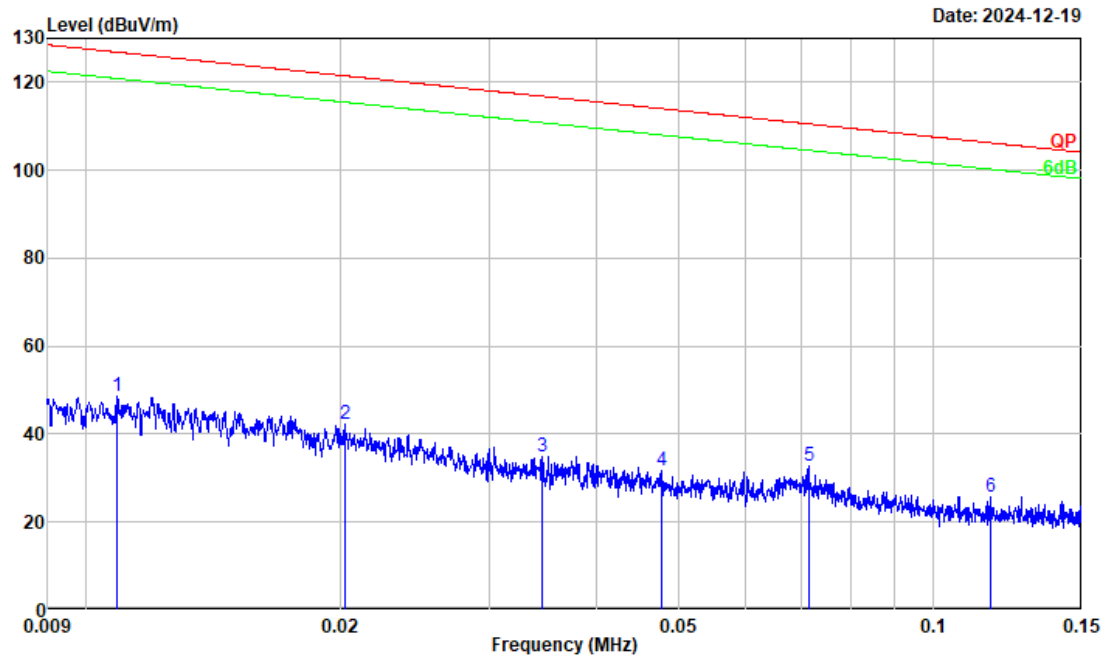


Project No. : 2405Z107557E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 23.8℃/29%R.H./101.4kPa
Tested by : Luke Li
Polarization : PARALLEL
Remark : MT7628 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	0.167	27.36	13.09	40.45	103.15	-62.70	Peak
2	0.643	28.38	4.06	32.44	71.39	-38.95	Peak
3	5.802	38.28	-4.06	34.22	69.54	-35.32	Peak
4	7.159	47.69	-3.96	43.73	69.54	-25.81	Peak
5	20.195	38.23	-3.17	35.06	69.54	-34.48	Peak
6	22.613	39.46	-3.42	36.04	69.54	-33.50	Peak

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

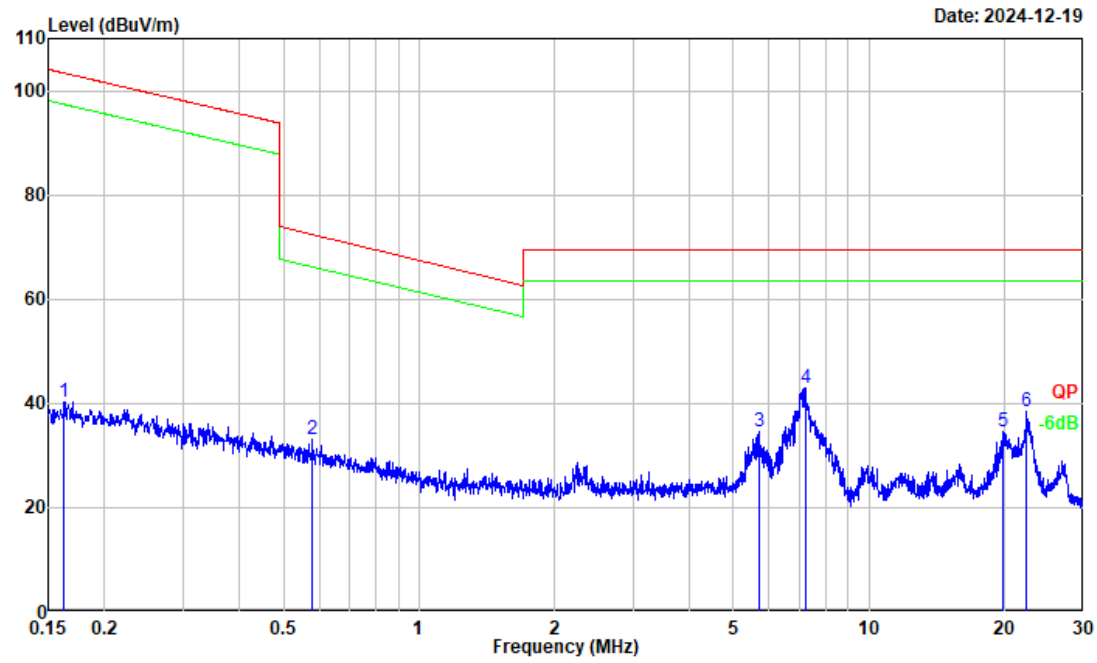
Module 2:



Project No. : 2405Z107557E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 23.8℃/29%R.H./101.4kPa
Tested by : Luke Li
Polarization : PARALLEL
Remark : RTL 8731BU 802.11g 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	0.011	11.93	36.66	48.59	126.87	-78.28	Peak
2	0.020	11.56	30.73	42.29	121.49	-79.20	Peak
3	0.035	11.30	23.60	34.90	116.85	-81.95	Peak
4	0.048	10.73	20.86	31.59	114.01	-82.42	Peak
5	0.071	15.26	17.46	32.72	110.54	-77.82	Peak
6	0.117	11.24	14.50	25.74	106.23	-80.49	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: RBW/VWB: 200Hz/1kHz, DET: PK



Project No. : 2405Z107557E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 23.8℃/29%R.H./101.4kPa
Tested by : Luke Li
Polarization : PARALLEL
Remark : RTL 8731BU 802.11g 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	0.163	27.16	13.21	40.37	103.36	-62.99	Peak
2	0.578	28.46	4.75	33.21	72.33	-39.12	Peak
3	5.690	38.72	-4.04	34.68	69.54	-34.86	Peak
4	7.223	46.97	-3.96	43.01	69.54	-26.53	Peak
5	19.912	37.85	-3.15	34.70	69.54	-34.84	Peak
6	22.414	41.91	-3.39	38.52	69.54	-31.02	Peak

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

Remark:

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

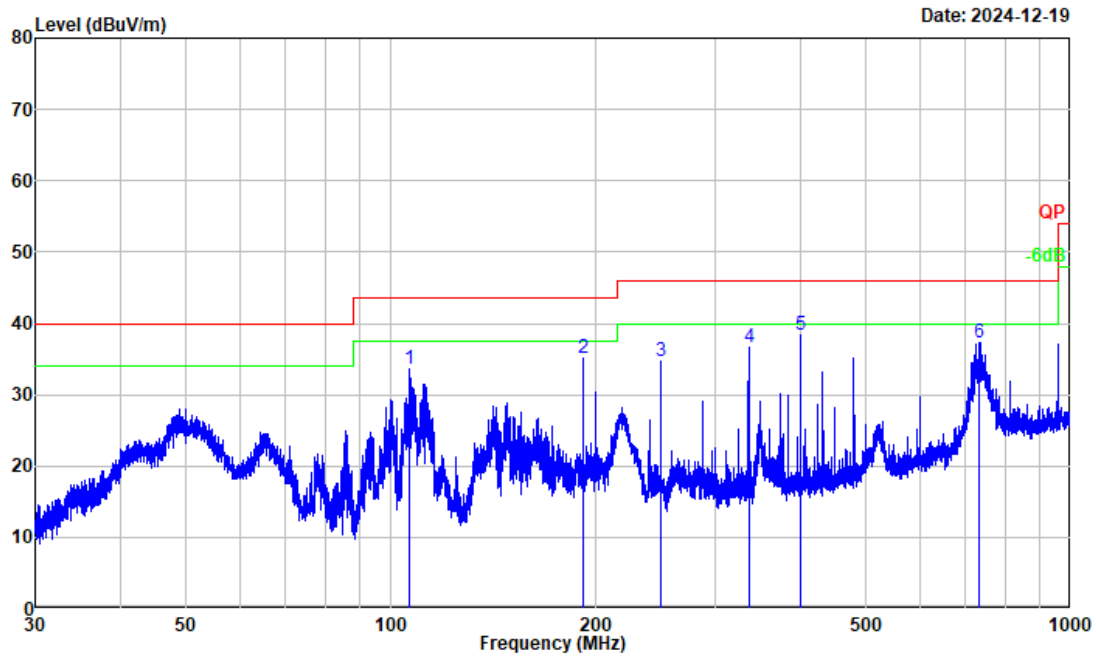
Correct Factor (dB)= LISN Voltage Division Factor (dB)+ Cable loss(dB)

Over = Measurement – Limit

30MHz-1GHz:

Test Date:	2024-12-19	Test By:	Luke Li
Environment condition:	Temperature: 24.6°C; Relative Humidity:26%; ATM Pressure: 101.5kPa		

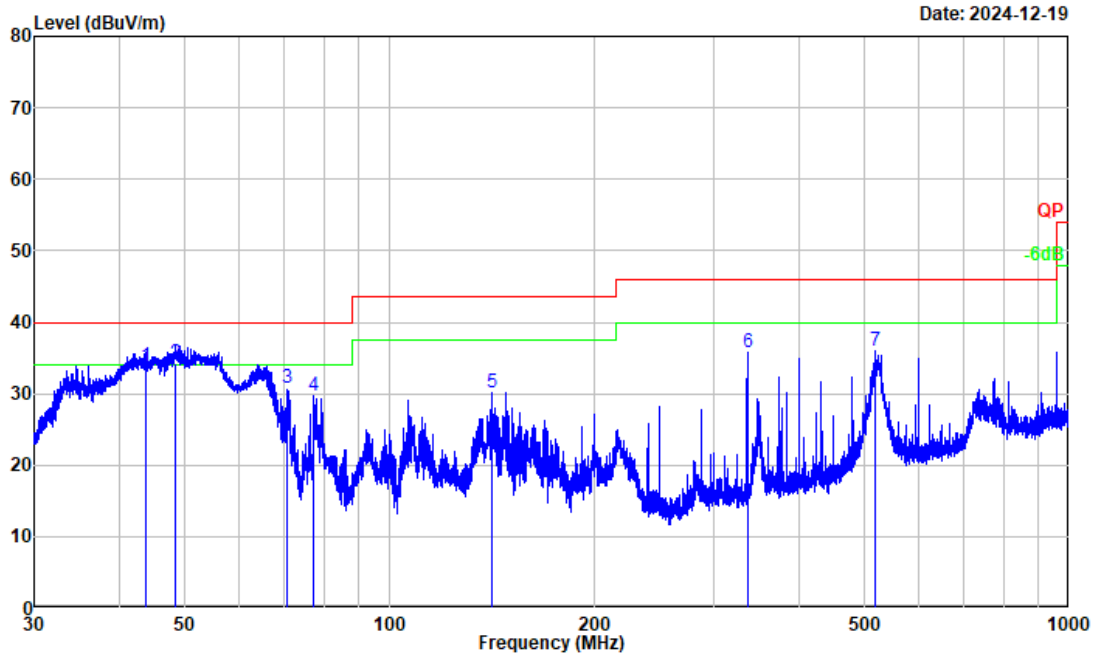
Module 1:



Project No. : 2405Z107557E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.6℃/26%R.H./101.5kPa
Tested by : Luke Li
Polarization : horizontal
Remark : MT7628 802.11g-2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	106.712	47.50	-13.98	33.52	43.50	-9.98	Peak
2	191.997	49.64	-14.46	35.18	43.50	-8.32	Peak
3	249.972	47.09	-12.48	34.61	46.00	-11.39	Peak
4	336.035	46.98	-10.24	36.74	46.00	-9.26	Peak
5	400.081	47.10	-8.64	38.46	46.00	-7.54	Peak
6	734.491	40.65	-3.26	37.39	46.00	-8.61	Peak

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

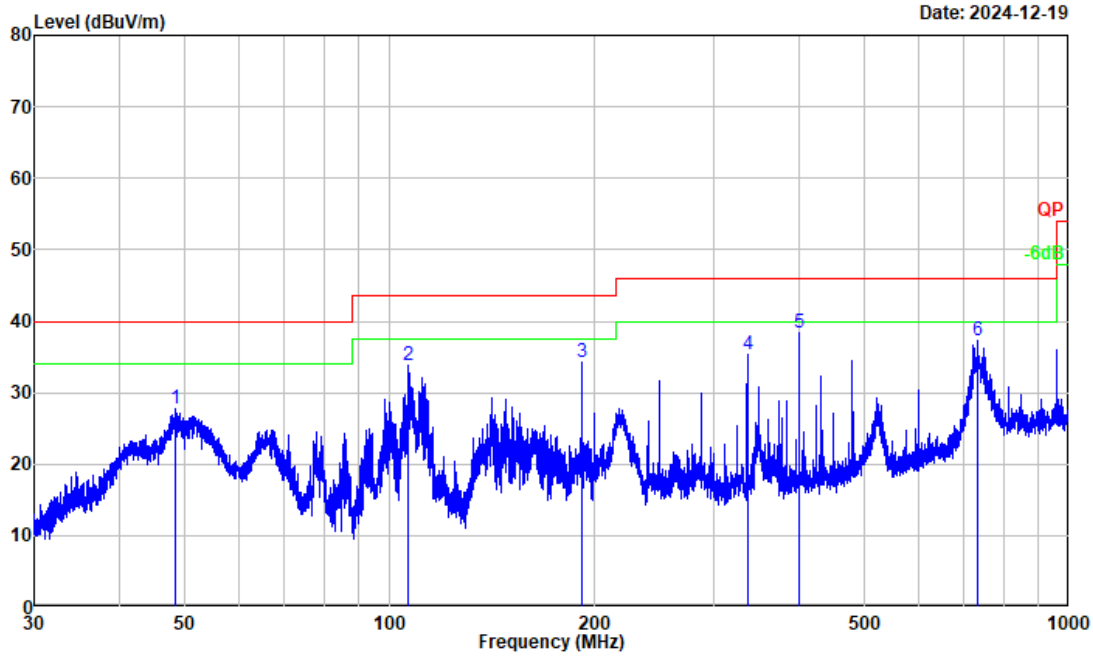


Project No. : 2405Z107557E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.6℃/26%R.H./101.5kPa
Tested by : Luke Li
Polarization : vertical
Remark : MT7628 802.11g-2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	43.754	46.20	-12.30	33.90	40.00	-6.10	QP
2	48.417	46.40	-12.16	34.24	40.00	-5.76	QP
3	70.832	47.53	-16.67	30.86	40.00	-9.14	Peak
4	77.220	47.79	-18.19	29.60	40.00	-10.40	Peak
5	141.144	47.77	-17.59	30.18	43.50	-13.32	Peak
6	336.035	46.12	-10.24	35.88	46.00	-10.12	Peak
7	518.383	43.05	-7.10	35.95	46.00	-10.05	Peak

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

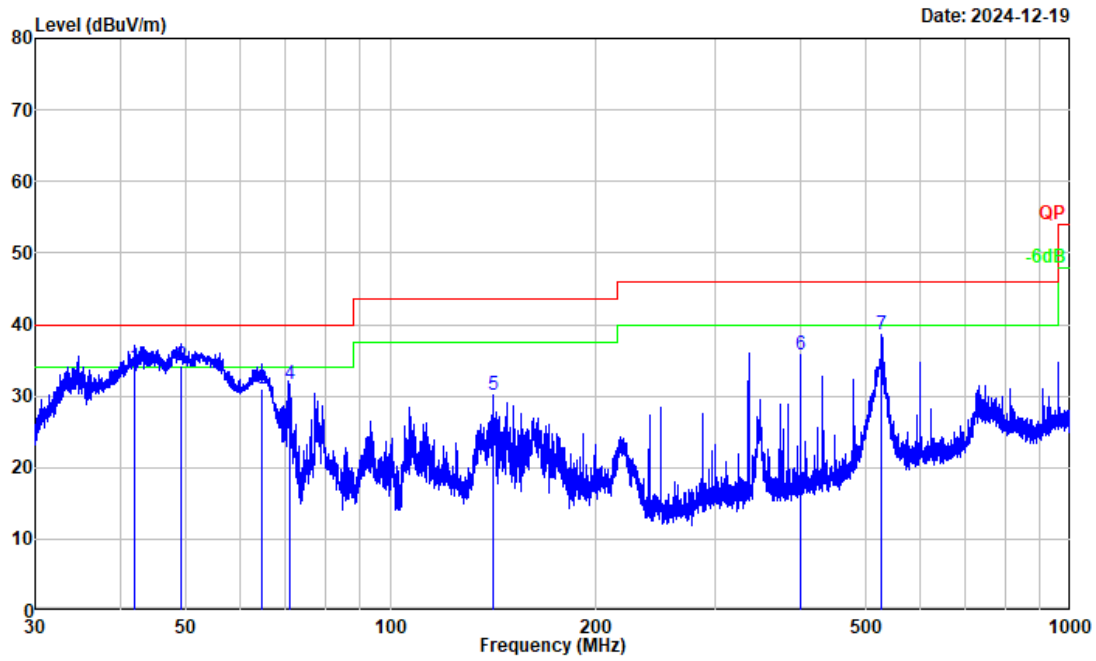
Module 2:



Project No. : 2405Z107557E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.6℃/26%R.H./101.5kPa
Tested by : Luke Li
Polarization : horizontal
Remark : RTL 8731BU 802.11g-2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	48.480	39.83	-12.16	27.67	40.00	-12.33	Peak
2	106.759	47.92	-13.99	33.93	43.50	-9.57	Peak
3	191.997	48.63	-14.46	34.17	43.50	-9.33	Peak
4	336.035	45.68	-10.24	35.44	46.00	-10.56	Peak
5	400.081	47.11	-8.64	38.47	46.00	-7.53	Peak
6	732.883	40.53	-3.31	37.22	46.00	-8.78	Peak

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



Project No. : 2405Z107557E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.6℃/26%R.H./101.5kPa
Tested by : Luke Li
Polarization : vertical
Remark : RTL 8731BU 802.11g-2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	42.062	46.49	-12.47	34.02	40.00	-5.98	QP
2	49.273	46.40	-12.15	34.25	40.00	-5.75	QP
3	64.773	45.29	-14.40	30.89	40.00	-9.11	QP
4	71.143	48.53	-16.80	31.73	40.00	-8.27	Peak
5	141.206	47.65	-17.59	30.06	43.50	-13.44	Peak
6	400.081	44.39	-8.64	35.75	46.00	-10.25	Peak
7	527.783	45.53	-6.90	38.63	46.00	-7.37	Peak

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

Above 1GHz:

Test Date:	2025-01-03~2025-02-19	Test By:	Luke Li
Environment condition:	Temperature: 24.3~24.5°C; Relative Humidity:33~40%; ATM Pressure: 101.1~101.3kPa		

Module 1:

Frequency (MHz)	Reading level (dBμV)	Polar (H/V)	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
802.11b							
Low Channel							
4824.000	48.26	horizontal	-2.75	45.51	74.00	-28.49	Peak
4824.000	49.67	vertical	-2.75	46.92	74.00	-27.08	Peak
1664.000	52.75	horizontal	-4.03	48.72	74.00	-25.28	Peak
1592.000	53.55	vertical	-4.52	49.03	74.00	-24.97	Peak
Middle Channel							
4874.000	50.25	horizontal	-2.39	47.86	74.00	-26.14	Peak
4874.000	49.92	vertical	-2.39	47.53	74.00	-26.47	Peak
1659.000	51.81	horizontal	-4.06	47.75	74.00	-26.25	Peak
1599.000	51.31	vertical	-4.46	46.85	74.00	-27.15	Peak
High Channel							
4924.000	50.67	horizontal	-2.17	48.50	74.00	-25.50	Peak
4924.000	52.32	vertical	-2.17	50.15	74.00	-23.85	Peak
1598.000	53.63	horizontal	-4.47	49.16	74.00	-24.84	Peak
2358.000	53.77	horizontal	-3.22	50.55	74.00	-23.45	Peak
2560.000	55.25	horizontal	-2.89	52.36	74.00	-21.64	Peak
1661.000	52.32	vertical	-4.05	48.27	74.00	-25.73	Peak
2359.000	54.55	vertical	-3.20	51.35	74.00	-22.65	Peak
2521.000	54.86	vertical	-2.91	51.95	74.00	-22.05	Peak
802.11g							
Low Channel							
4824.000	47.50	horizontal	-2.75	44.75	74.00	-29.25	Peak
4824.000	47.85	vertical	-2.75	45.10	74.00	-28.90	Peak
1518.000	51.57	horizontal	-5.02	46.55	74.00	-27.45	Peak
2360.000	54.84	vertical	-3.20	51.64	74.00	-22.36	Peak
Middle Channel							

4874.000	48.18	horizontal	-2.39	45.79	74.00	-28.21	Peak
4874.000	48.66	vertical	-2.39	46.27	74.00	-27.73	Peak
1591.000	56.00	vertical	-4.53	51.47	74.00	-22.53	Peak
High Channel							
4924.000	48.44	horizontal	-2.17	46.27	74.00	-27.73	Peak
4924.000	49.69	vertical	-2.17	47.52	74.00	-26.48	Peak
2346.000	38.89	horizontal	-3.23	35.66	54.00	-18.34	Average
2346.000	57.62	horizontal	-3.23	54.39	74.00	-19.61	Peak
2511.000	40.73	horizontal	-2.92	37.81	54.00	-16.19	Average
2511.000	60.08	horizontal	-2.92	57.16	74.00	-16.84	Peak
1600.000	55.99	vertical	-4.45	51.54	74.00	-22.46	Peak
2366.000	55.44	vertical	-3.20	52.24	74.00	-21.76	Peak
2517.000	55.57	vertical	-2.91	52.66	74.00	-21.34	Peak
802.11n20							
Low Channel							
4824.000	48.39	horizontal	-2.75	45.64	74.00	-28.36	Peak
4824.000	47.92	vertical	-2.75	45.17	74.00	-28.83	Peak
1484.000	51.28	horizontal	-5.17	46.11	74.00	-27.89	Peak
1595.000	52.62	vertical	-4.49	48.13	74.00	-25.87	Peak
Middle Channel							
4874.000	48.85	horizontal	-2.39	46.46	74.00	-27.54	Peak
4874.000	48.41	vertical	-2.39	46.02	74.00	-27.98	Peak
1332.000	56.57	horizontal	-6.43	50.14	74.00	-23.86	Peak
1660.000	53.21	vertical	-4.05	49.16	74.00	-24.84	Peak
High Channel							
4924.000	48.41	horizontal	-2.17	46.24	74.00	-27.76	Peak
4924.000	48.88	vertical	-2.17	46.71	74.00	-27.29	Peak
2352.000	38.04	horizontal	-3.22	34.82	54.00	-19.18	Average
2352.000	57.83	horizontal	-3.22	54.61	74.00	-19.39	Peak
2510.000	40.72	horizontal	-2.92	37.80	54.00	-16.20	Average
2510.000	59.77	horizontal	-2.92	56.85	74.00	-17.15	Peak
1592.000	55.97	vertical	-4.52	51.45	74.00	-22.55	Peak
2361.000	54.75	vertical	-3.20	51.55	74.00	-22.45	Peak
2529.000	55.06	vertical	-2.91	52.15	74.00	-21.85	Peak
802.11n40							
Low Channel							
4844.000	47.98	horizontal	-2.63	45.35	74.00	-28.65	Peak
4844.000	47.81	vertical	-2.63	45.18	74.00	-28.82	Peak

2324.000	53.98	horizontal	-3.31	50.67	74.00	-23.33	Peak
1662.000	52.95	vertical	-4.04	48.91	74.00	-25.09	Peak
Middle Channel							
4874.000	48.57	horizontal	-2.39	46.18	74.00	-27.82	Peak
4874.000	48.02	vertical	-2.39	45.63	74.00	-28.37	Peak
1161.000	57.99	horizontal	-7.58	50.41	74.00	-23.59	Peak
2368.000	54.64	horizontal	-3.20	51.46	74.00	-22.54	Peak
2529.000	53.76	horizontal	-2.91	50.85	74.00	-23.15	Peak
1596.000	55.50	vertical	-4.48	51.02	74.00	-22.98	Peak
2365.000	53.73	vertical	-3.20	50.53	74.00	-23.47	Peak
High Channel							
4904.000	47.91	horizontal	-2.18	45.73	74.00	-28.27	Peak
4904.000	47.86	vertical	-2.18	45.68	74.00	-28.32	Peak
1333.000	53.50	horizontal	-6.42	47.08	74.00	-26.92	Peak
1597.000	54.59	vertical	-4.47	50.12	74.00	-23.88	Peak

Remark:

Corrected Amplitude= Reading level + corrected Factor

Corrected Factor = Antenna factor + Cable loss – Amplifier gain

Margin = Corrected Amplitude – Limit

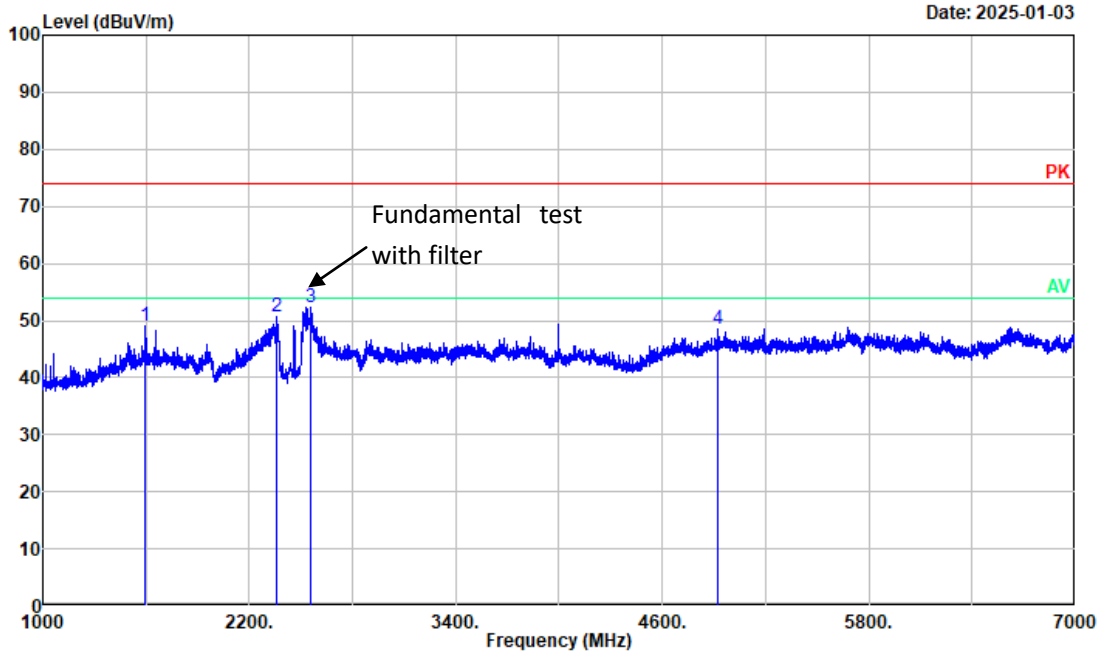
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

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:	2462MHz

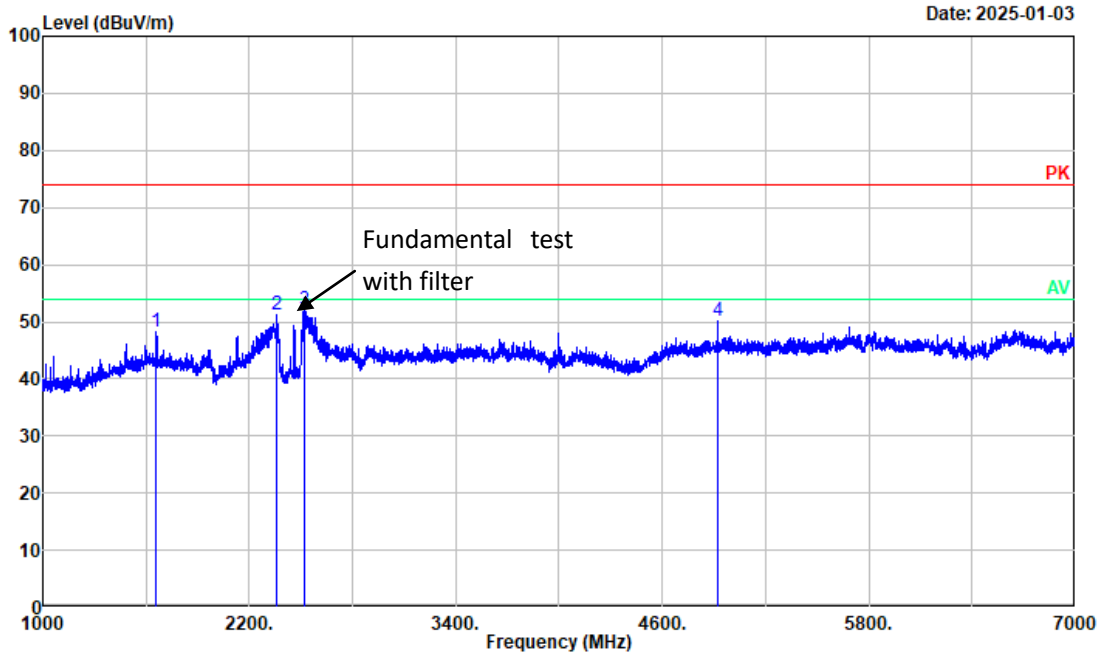


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1598.000	53.63	-4.47	49.16	74.00	-24.84	Peak
2	2358.000	53.77	-3.22	50.55	74.00	-23.45	Peak
3	2560.000	55.25	-2.89	52.36	74.00	-21.64	Peak
4	4924.000	50.67	-2.17	48.50	74.00	-25.50	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:	2462MHz

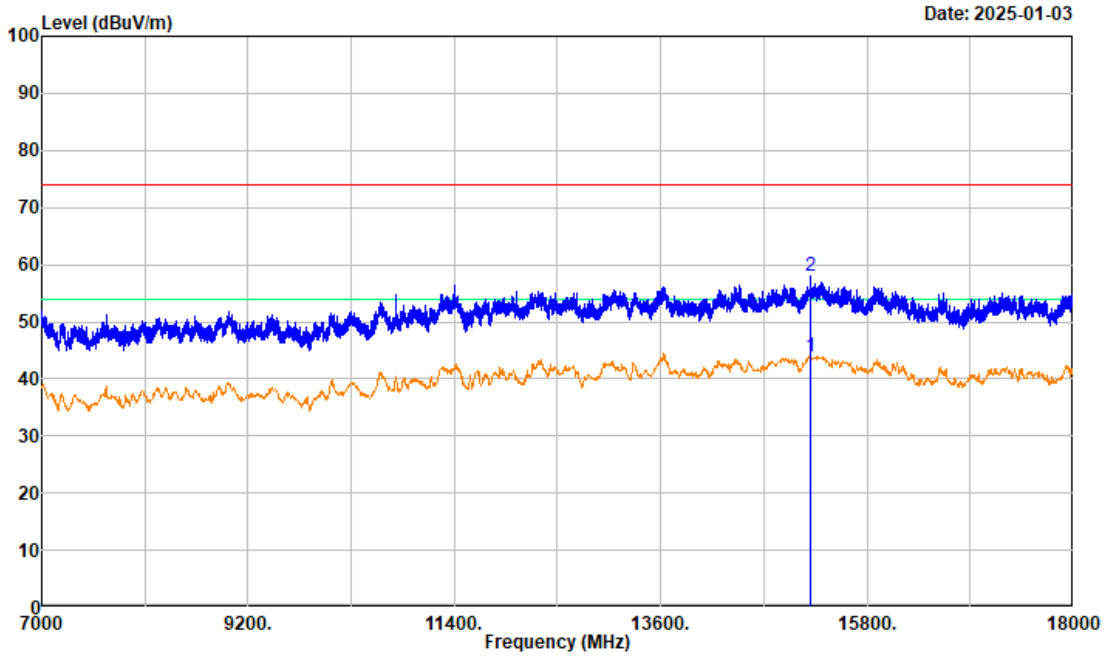


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1661.000	52.32	-4.05	48.27	74.00	-25.73	Peak
2	2359.000	54.55	-3.20	51.35	74.00	-22.65	Peak
3	2521.000	54.86	-2.91	51.95	74.00	-22.05	Peak
4	4924.000	52.32	-2.17	50.15	74.00	-23.85	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:	2462MHz

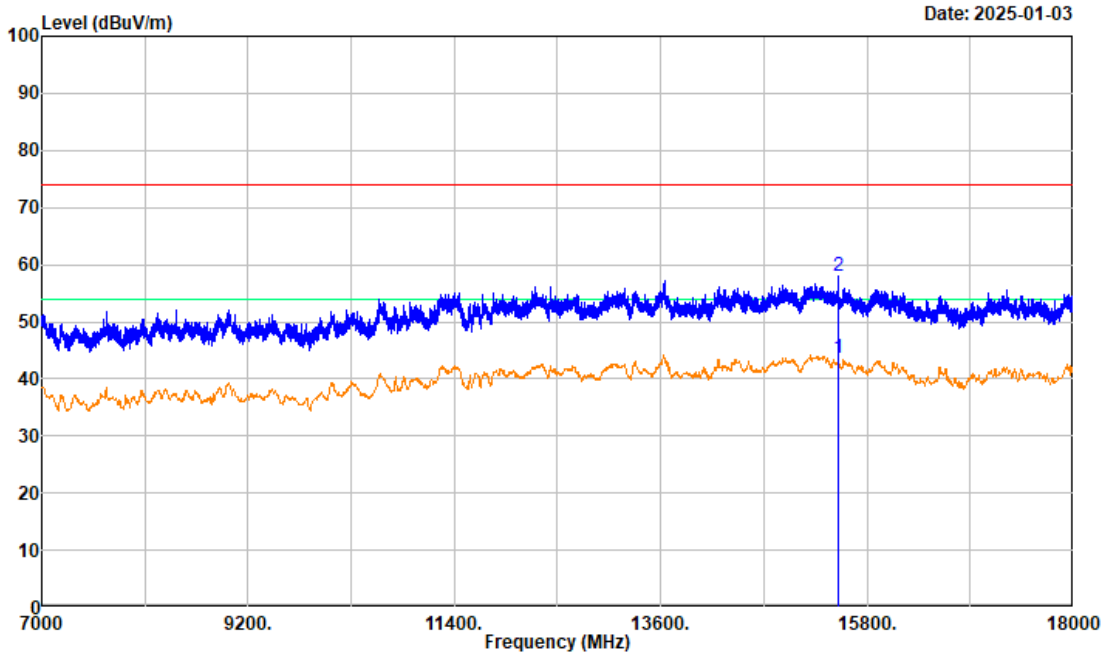


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15197.000	38.70	5.28	43.98	54.00	-10.02	Average
2	15197.000	52.65	5.28	57.93	74.00	-16.07	Peak

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

Mode:	802.11b	Channel:	2462MHz

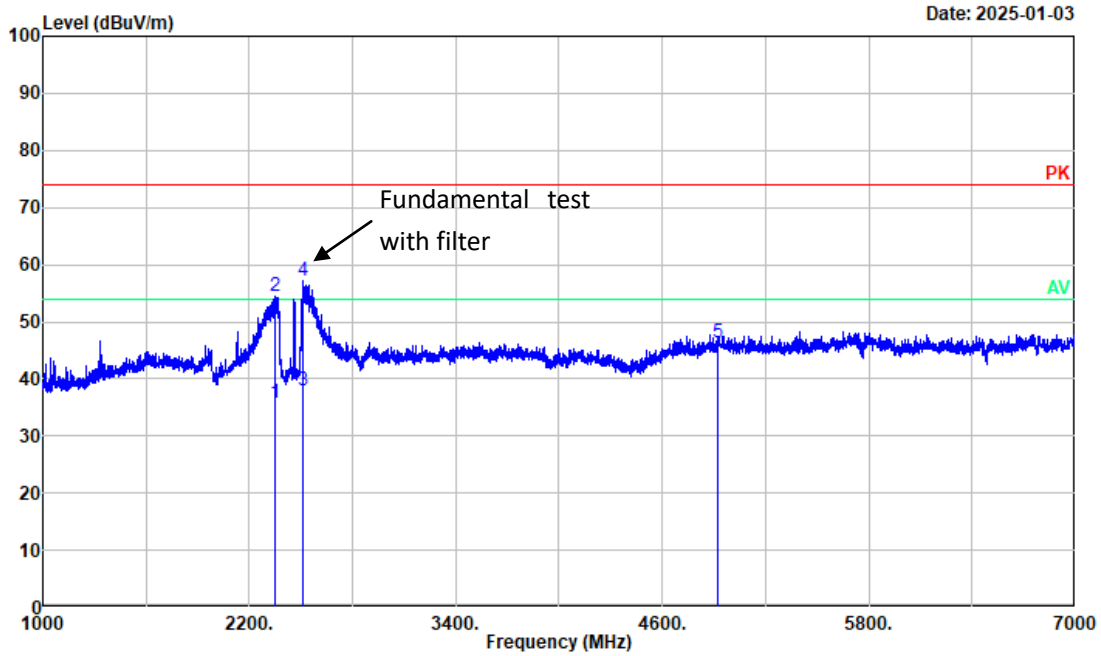


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	15491.000	38.34	5.24	43.58	54.00	-10.42	Average
2	15491.000	52.63	5.24	57.87	74.00	-16.13	Peak

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

Mode:	802.11g	Channel:	2462MHz

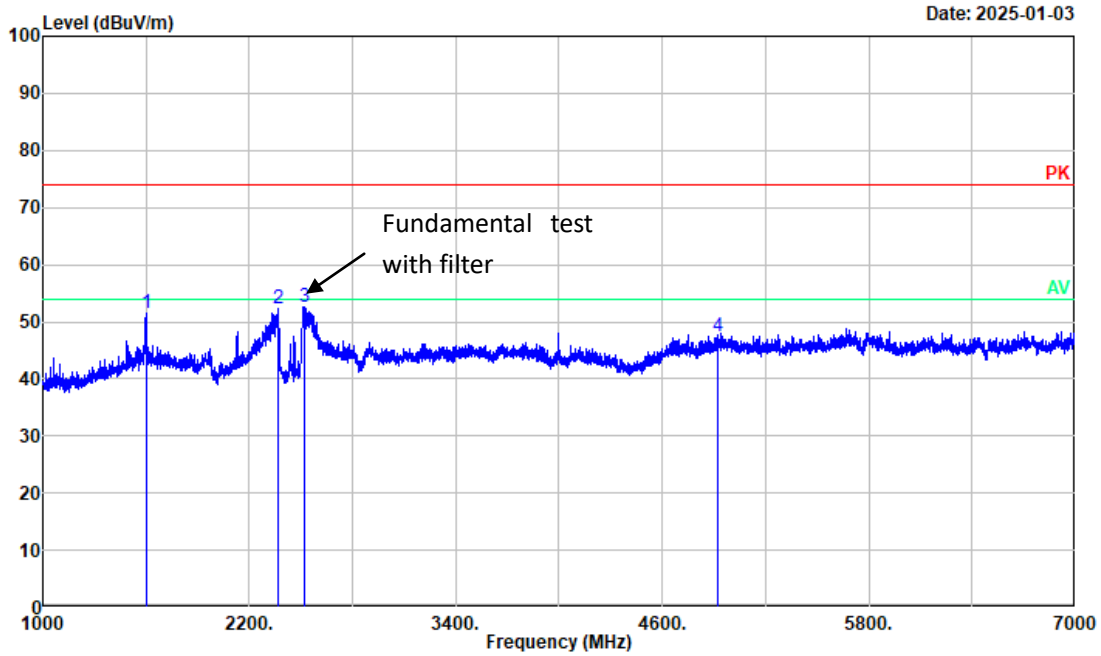


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2346.000	38.89	-3.23	35.66	54.00	-18.34	Average
2	2346.000	57.62	-3.23	54.39	74.00	-19.61	Peak
3	2511.000	40.73	-2.92	37.81	54.00	-16.19	Average
4	2511.000	60.08	-2.92	57.16	74.00	-16.84	Peak
5	4924.000	48.44	-2.17	46.27	74.00	-27.73	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:	2462MHz

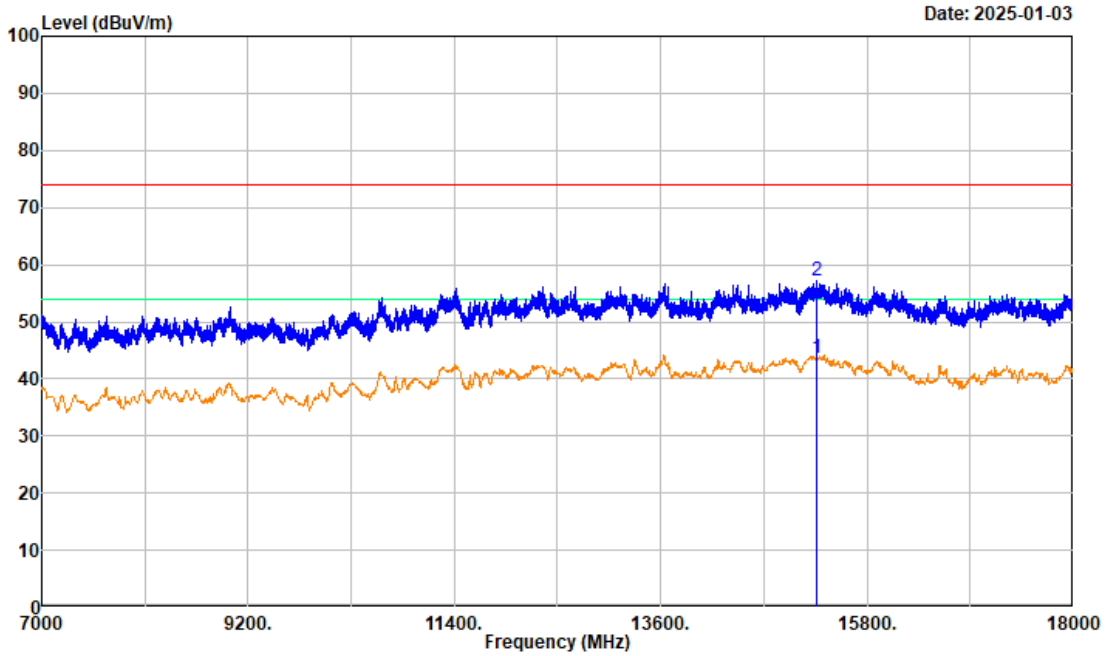


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1600.000	55.99	-4.45	51.54	74.00	-22.46	Peak
2	2366.000	55.44	-3.20	52.24	74.00	-21.76	Peak
3	2517.000	55.57	-2.91	52.66	74.00	-21.34	Peak
4	4924.000	49.69	-2.17	47.52	74.00	-26.48	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:	2462MHz

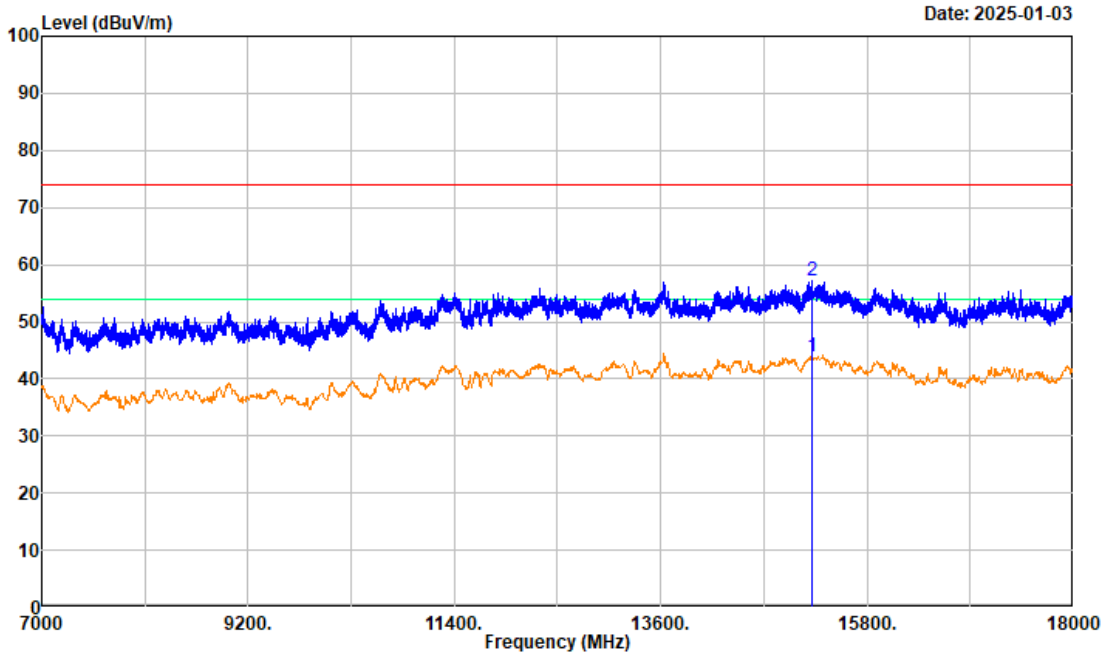


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15256.000	38.31	5.20	43.51	54.00	-10.49	Average
2	15256.000	51.85	5.20	57.05	74.00	-16.95	Peak

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

Mode:	802.11g	Channel:	2462MHz

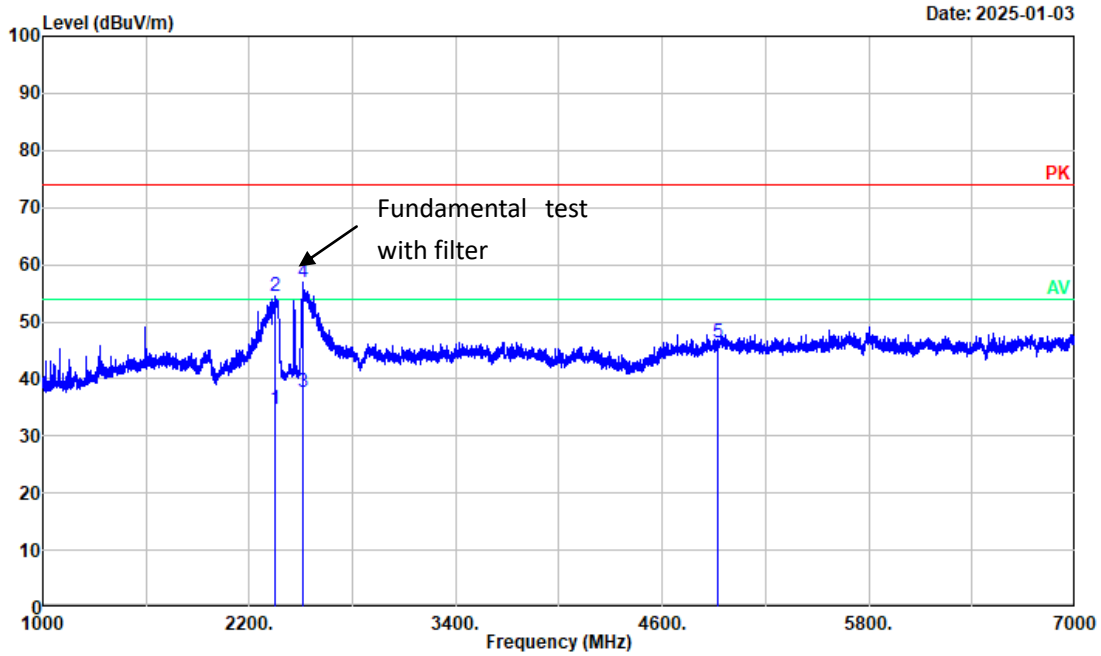


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15219.000	38.58	5.25	43.83	54.00	-10.17	Average
2	15219.000	52.04	5.25	57.29	74.00	-16.71	Peak

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

Mode:	802.11n20	Channel:	2462MHz

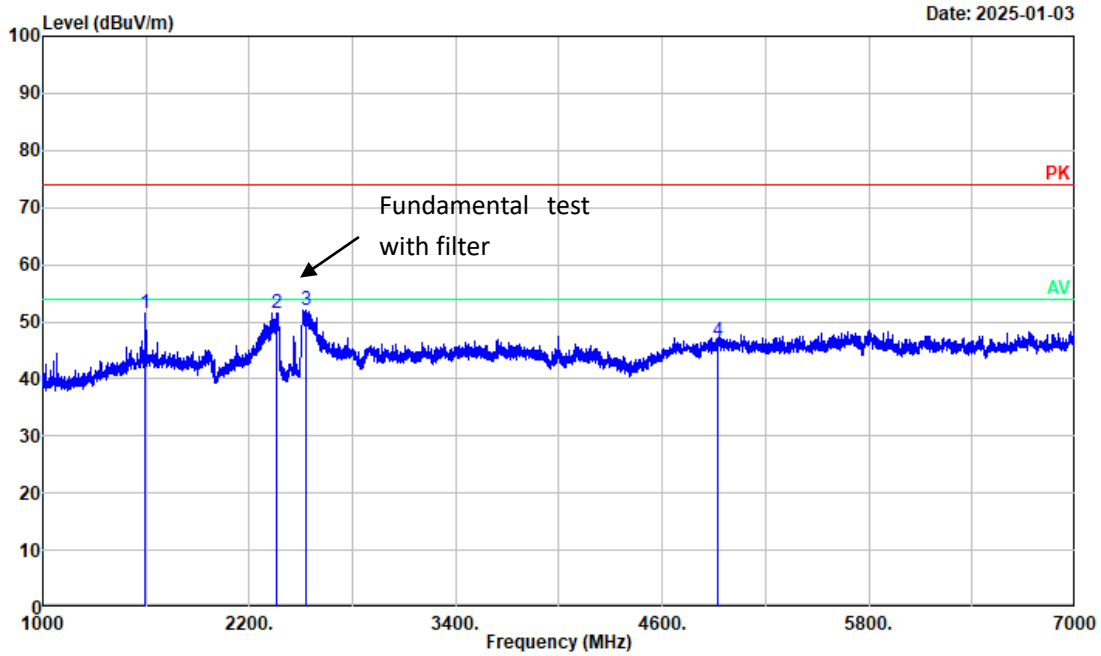


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2352.000	38.04	-3.22	34.82	54.00	-19.18	Average
2	2352.000	57.83	-3.22	54.61	74.00	-19.39	Peak
3	2510.000	40.72	-2.92	37.80	54.00	-16.20	Average
4	2510.000	59.77	-2.92	56.85	74.00	-17.15	Peak
5	4924.000	48.41	-2.17	46.24	74.00	-27.76	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:	802.11n20	Channel:	2462MHz

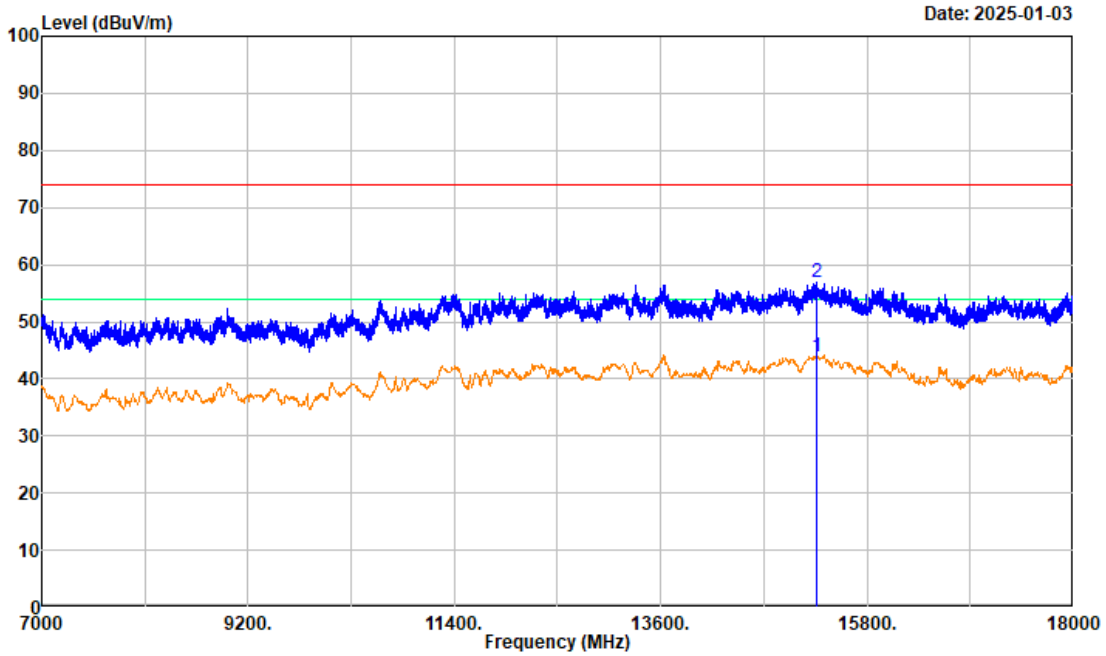


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1592.000	55.97	-4.52	51.45	74.00	-22.55	Peak
2	2361.000	54.75	-3.20	51.55	74.00	-22.45	Peak
3	2529.000	55.06	-2.91	52.15	74.00	-21.85	Peak
4	4924.000	48.88	-2.17	46.71	74.00	-27.29	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:	802.11n20	Channel:	2462MHz

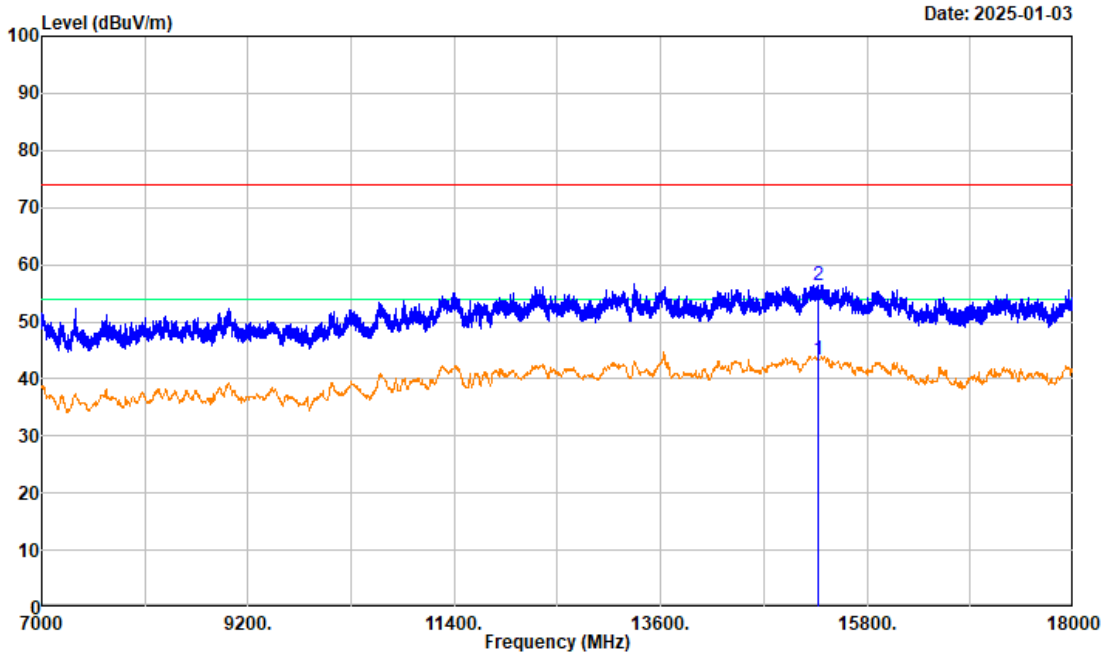


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15258.000	38.57	5.20	43.77	54.00	-10.23	Average
2	15258.000	51.75	5.20	56.95	74.00	-17.05	Peak

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

Mode:	802.11n20	Channel:	2462MHz

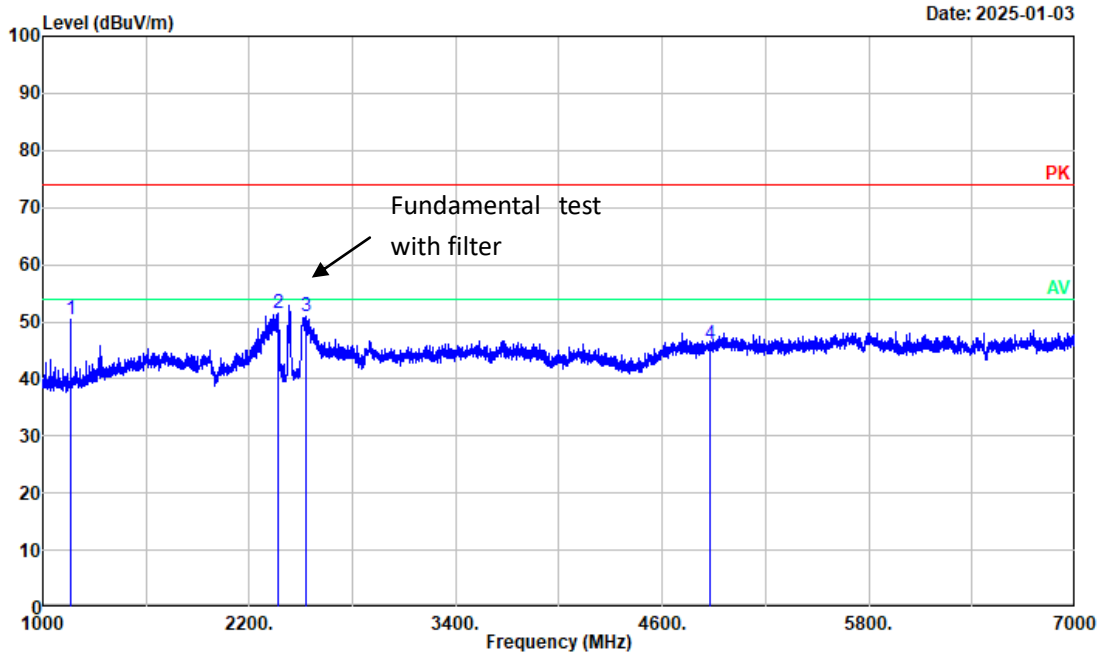


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15274.000	38.21	5.18	43.39	54.00	-10.61	Average
2	15274.000	51.27	5.18	56.45	74.00	-17.55	Peak

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

Mode:	802.11n40	Channel:	2437MHz

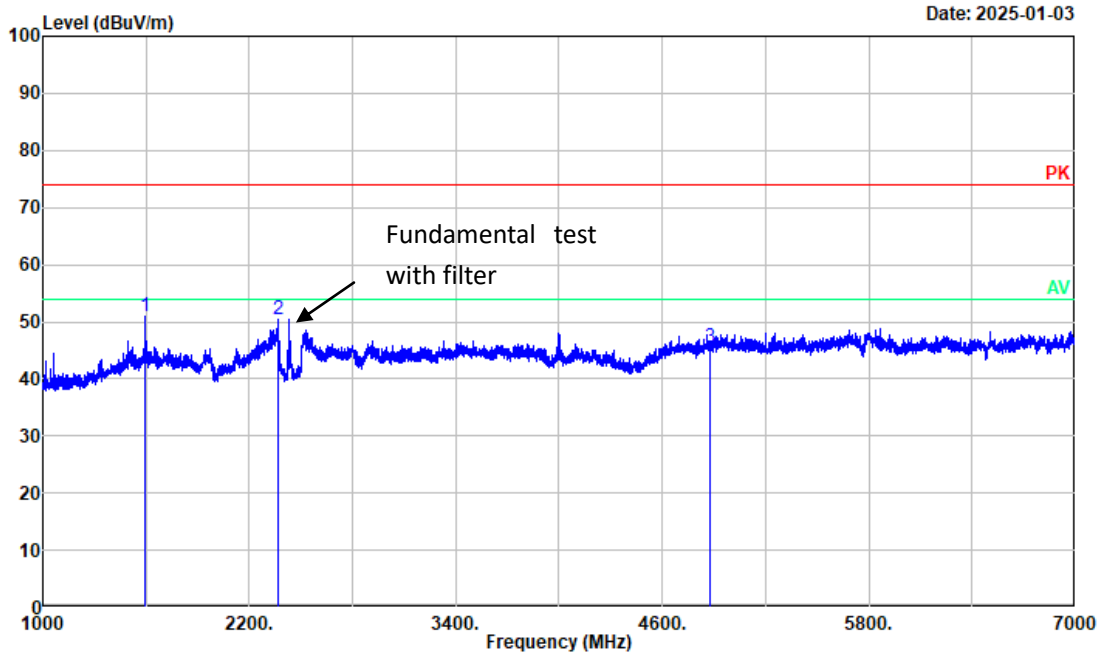


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n40 2437

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1161.000	57.99	-7.58	50.41	74.00	-23.59	Peak
2	2368.000	54.66	-3.20	51.46	74.00	-22.54	Peak
3	2529.000	53.76	-2.91	50.85	74.00	-23.15	Peak
4	4874.000	48.57	-2.39	46.18	74.00	-27.82	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:	802.11n40	Channel:	2437MHz

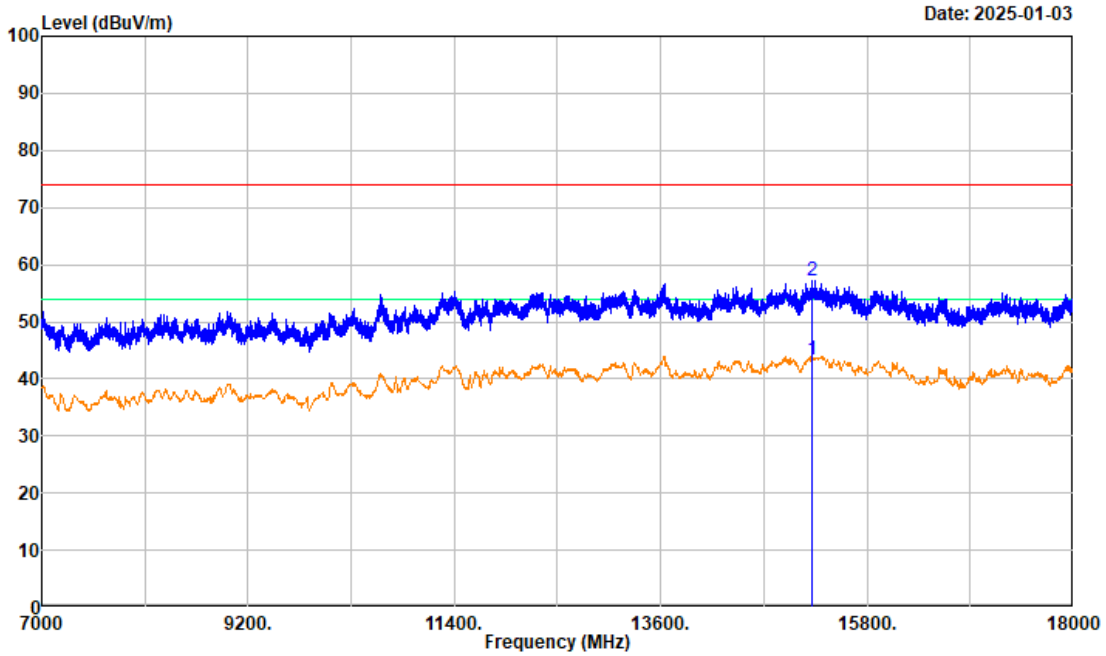


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n40 2437

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1596.000	55.50	-4.48	51.02	74.00	-22.98	Peak
2	2365.000	53.73	-3.20	50.53	74.00	-23.47	Peak
3	4874.000	48.02	-2.39	45.63	74.00	-28.37	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:	802.11n40	Channel:	2437MHz

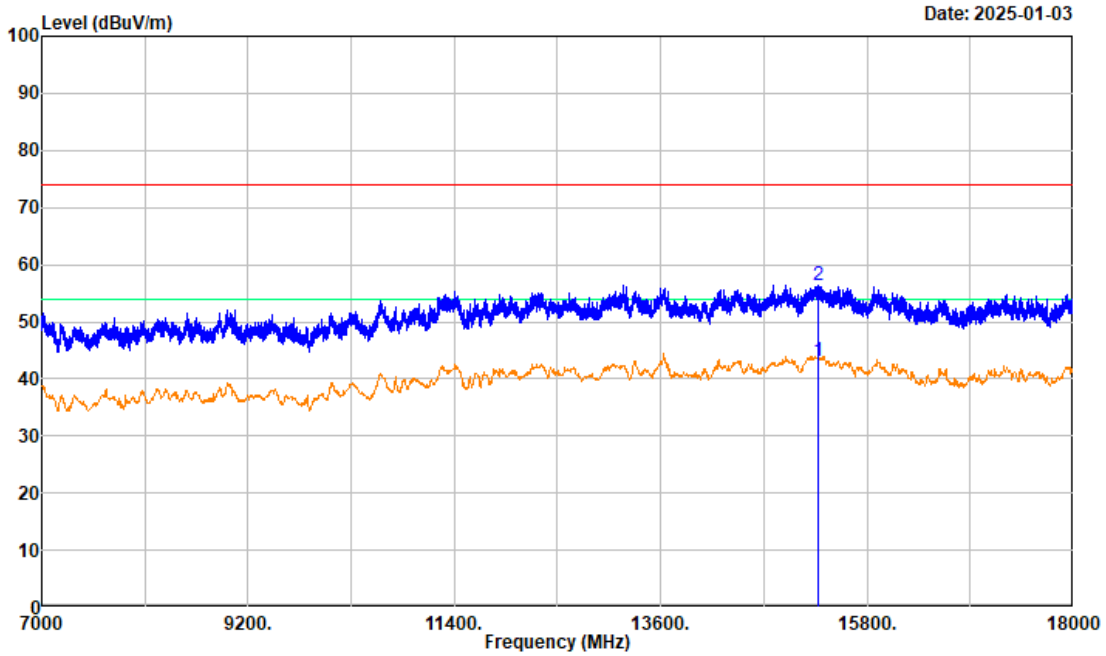


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n40 2437

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15210.000	38.06	5.27	43.33	54.00	-10.67	Average
2	15210.000	51.99	5.27	57.26	74.00	-16.74	Peak

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

Mode:	802.11n40	Channel:	2437MHz

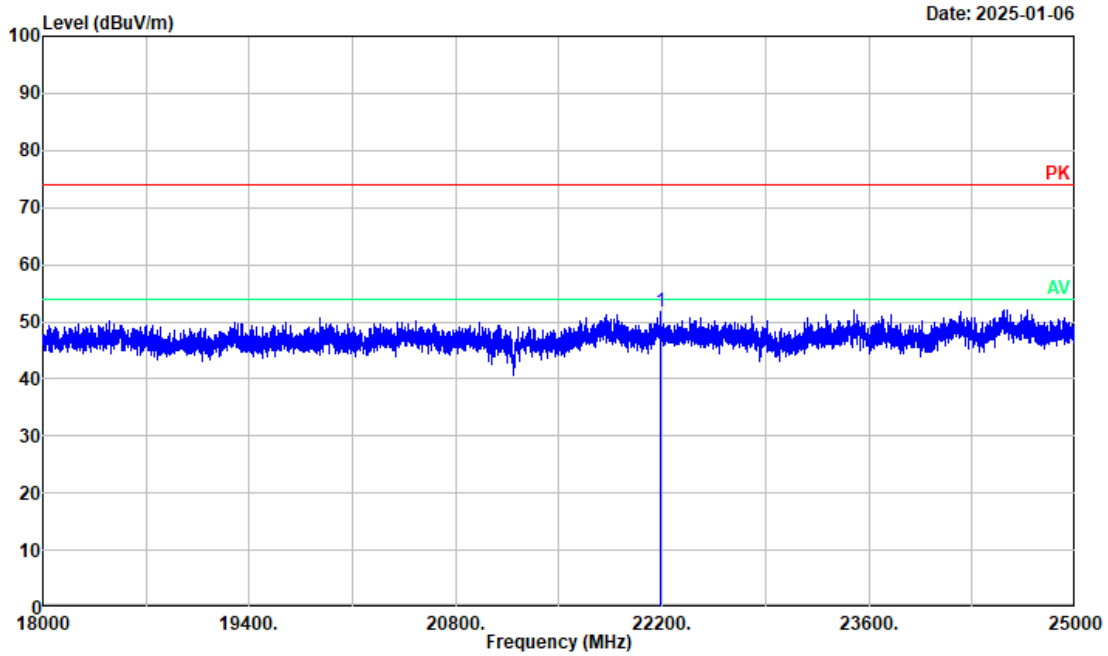


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n40 2437

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15287.000	38.07	5.15	43.22	54.00	-10.78	Average
2	15287.000	51.14	5.15	56.29	74.00	-17.71	Peak

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

Mode:	802.11g	Channel:	2462MHz

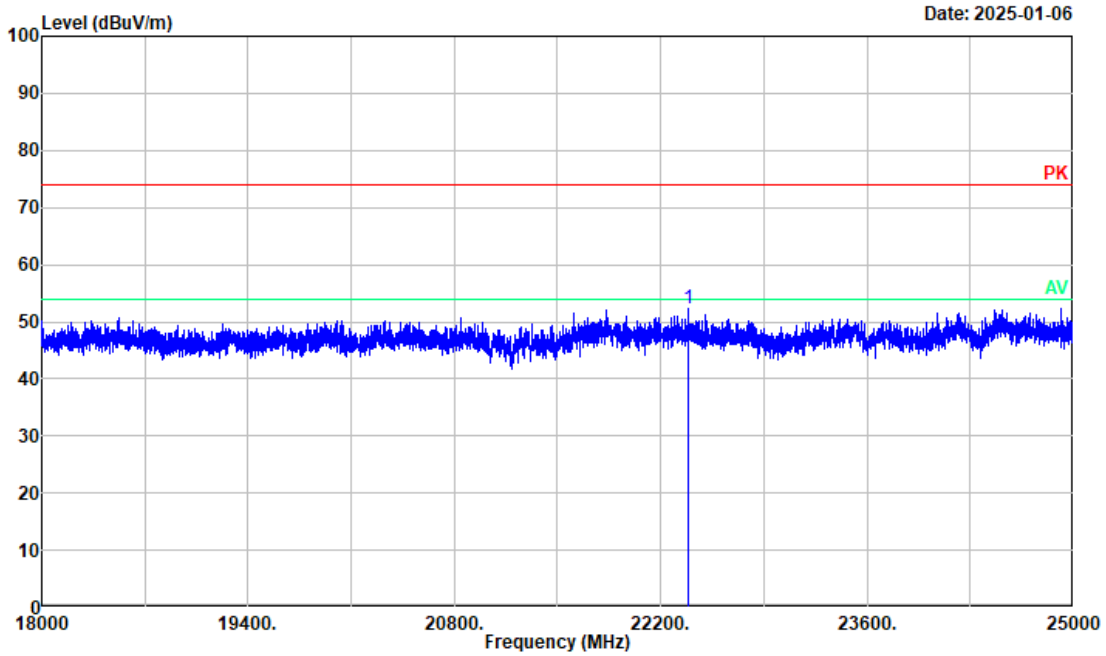


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 22.5℃/42%R.H./101.4kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : MT7628 802.11g-2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	22190.000	54.66	-2.90	51.76	74.00	-22.24	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:	802.11g	Channel:	2462MHz



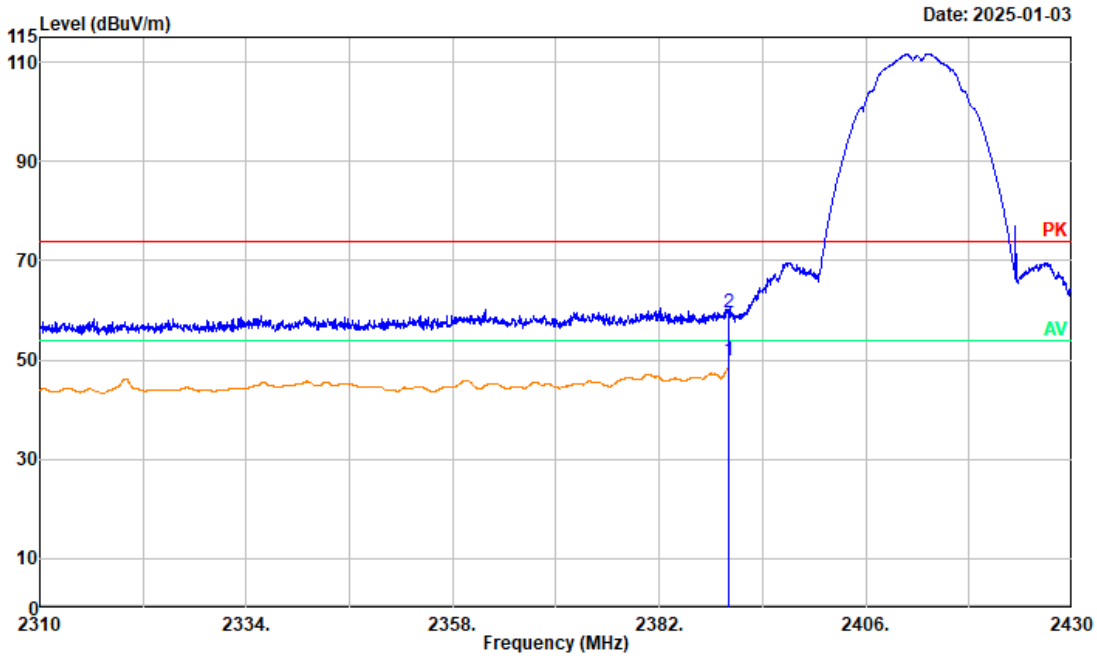
Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 22.5℃/42%R.H./101.4kPa
Tested by : Bard Huang
Polarization : vertical
Remark : MT7628 802.11g-2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	22389.000	55.09	-2.87	52.22	74.00	-21.78	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/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/1kHz, DET: PK

Radiated Band edge:

Mode:	802.11b	Channel:	2412MHz

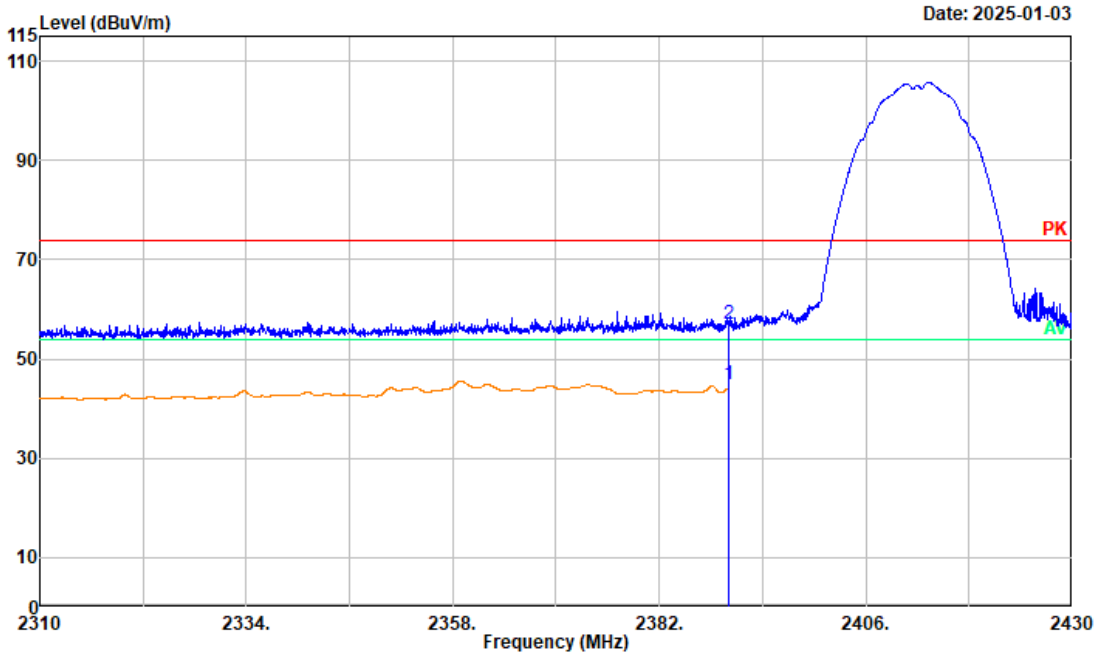


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11b 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	42.97	6.82	49.79	54.00	-4.21	Average
2	2390.000	52.83	6.82	59.65	74.00	-14.35	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11b	Channel:	2412MHz

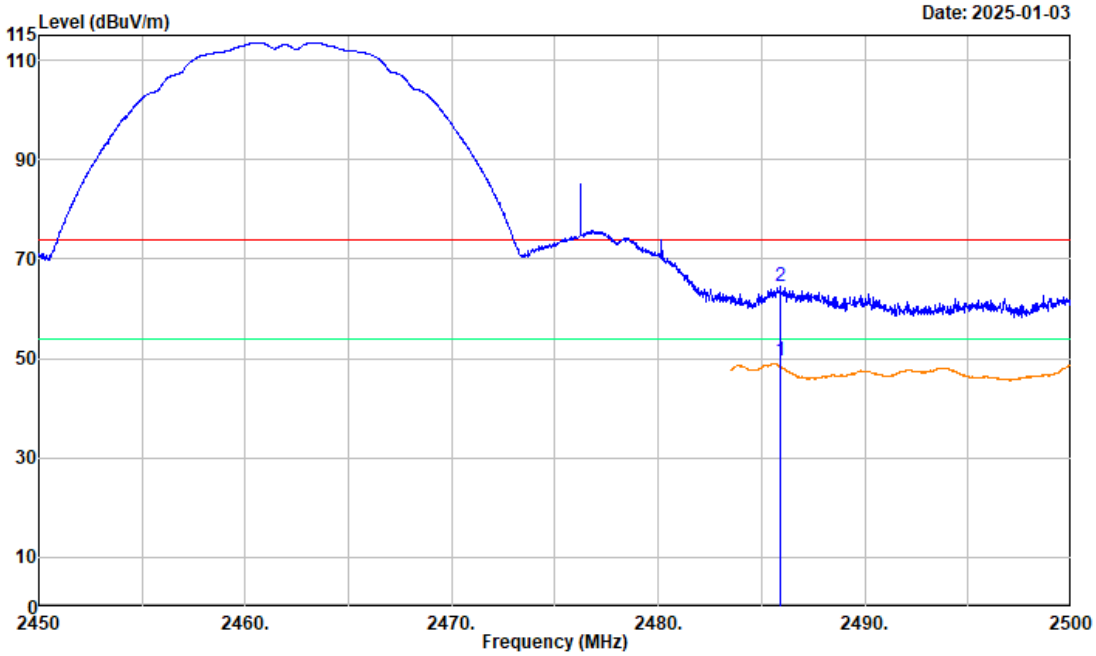


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11b 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2390.000	38.20	6.82	45.02	54.00	-8.98	Average
2	2390.000	50.25	6.82	57.07	74.00	-16.93	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11b	Channel:	2462MHz

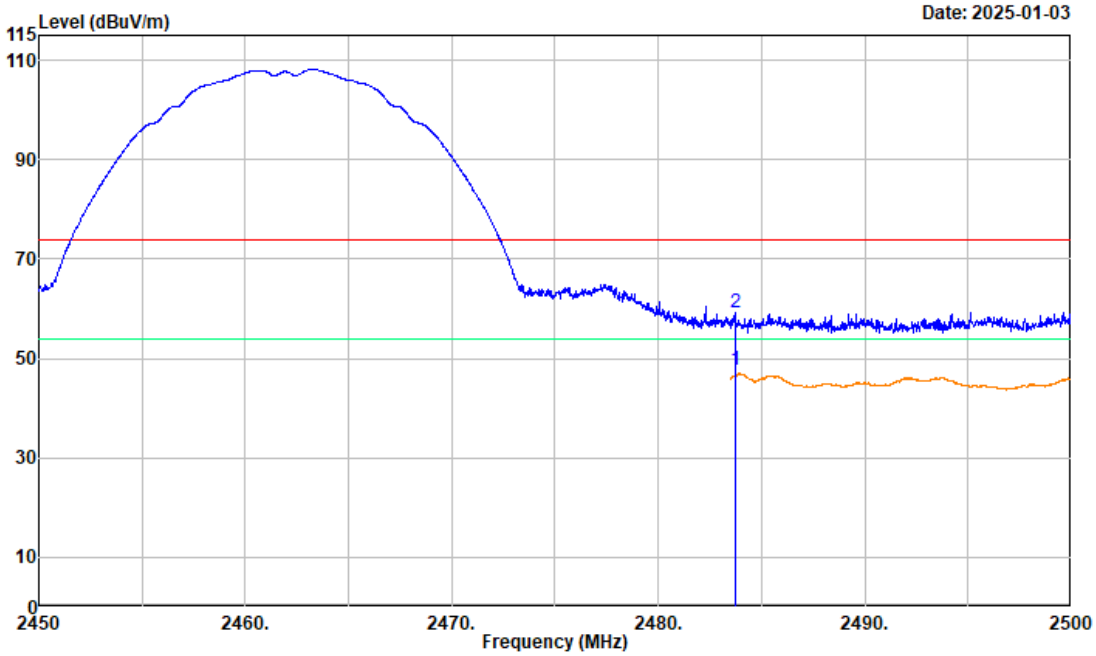


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2485.918	42.56	7.03	49.59	54.00	-4.41	Average
2	2485.918	57.41	7.03	64.44	74.00	-9.56	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11b	Channel:	2462MHz

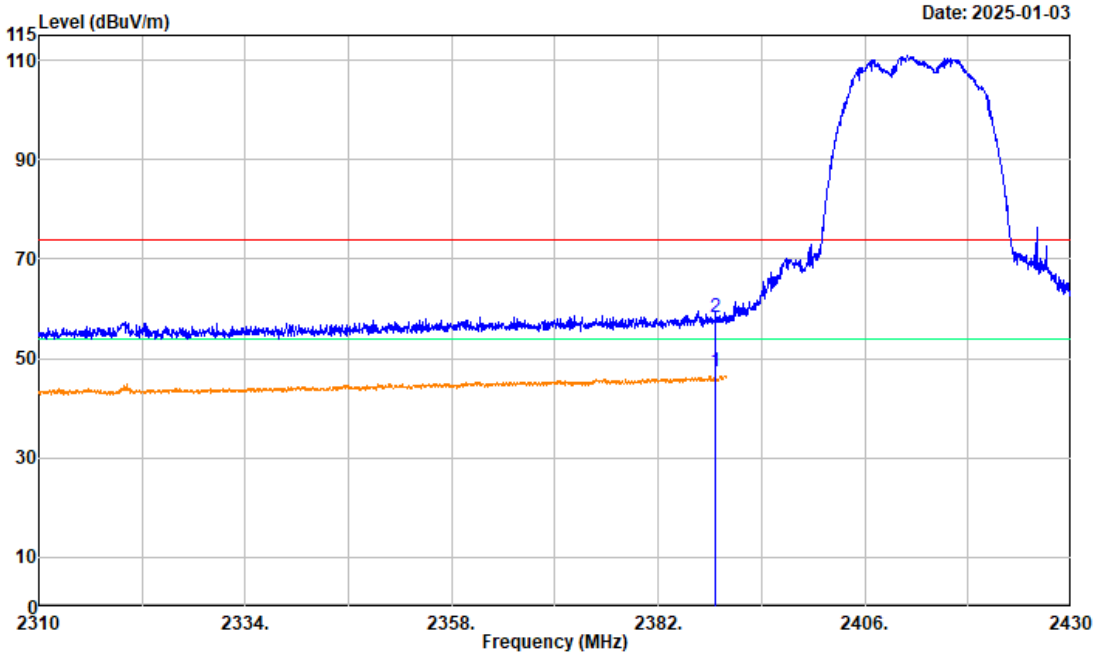


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.742	40.54	7.02	47.56	54.00	-6.44	Average
2	2483.742	52.15	7.02	59.17	74.00	-14.83	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11g	Channel:	2412MHz

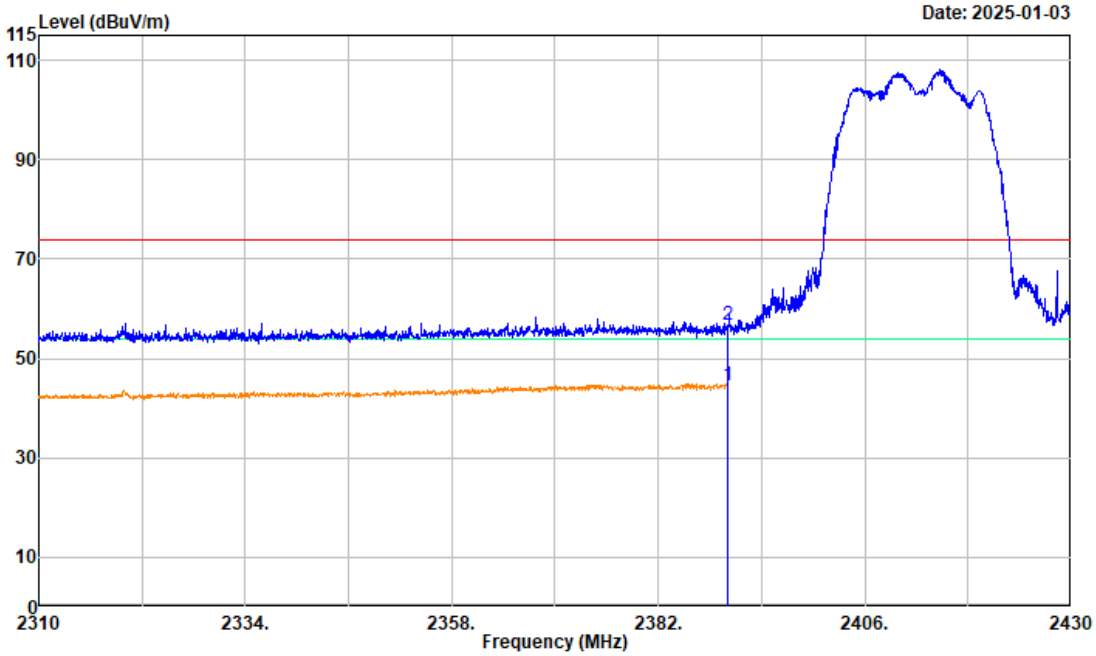


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2388.579	40.67	6.82	47.49	54.00	-6.51	Average
2	2388.579	51.34	6.82	58.16	74.00	-15.84	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11g	Channel:	2412MHz

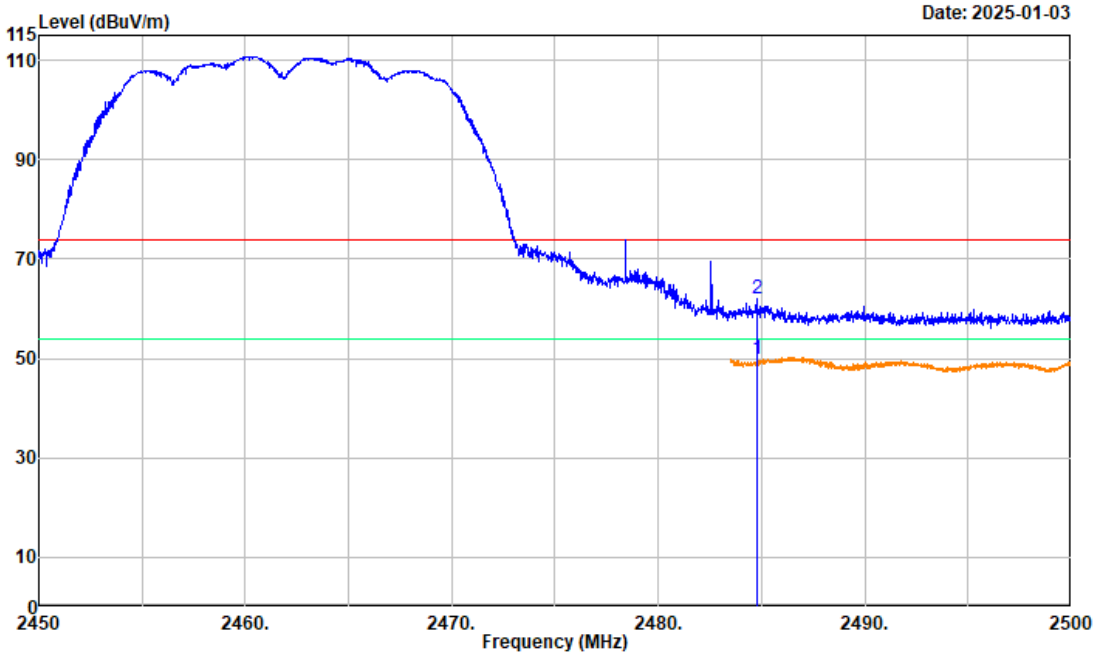


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2390.000	37.86	6.82	44.68	54.00	-9.32	Average
2	2390.000	49.95	6.82	56.77	74.00	-17.23	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11g	Channel:	2462MHz

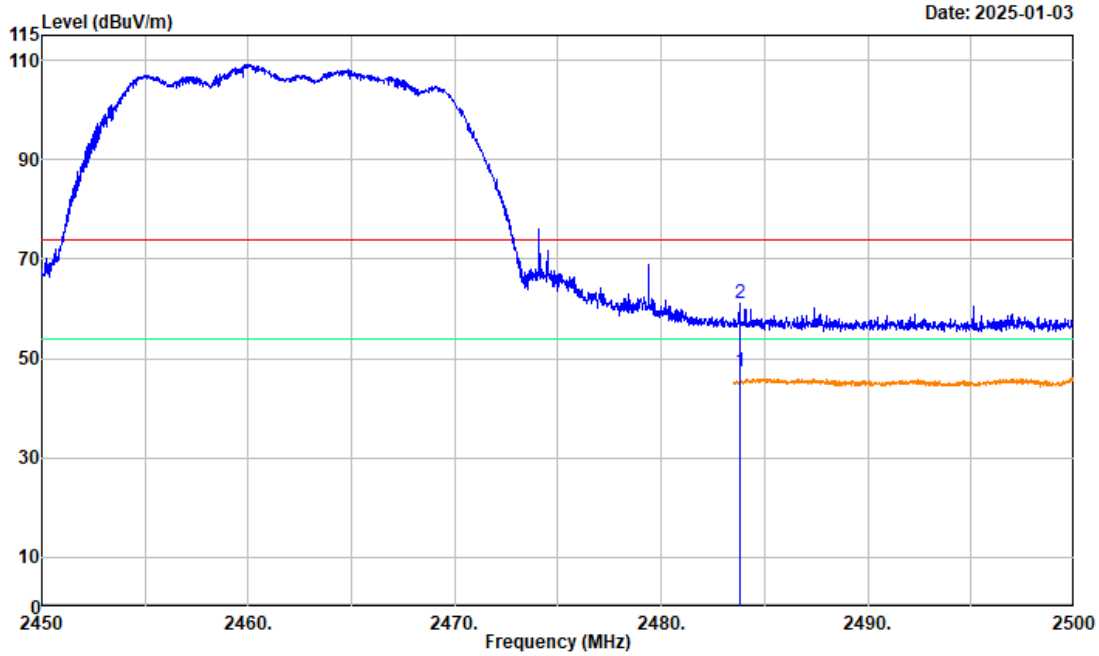


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2484.767	42.92	7.03	49.95	54.00	-4.05	Average
2	2484.767	55.14	7.03	62.17	74.00	-11.83	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11g	Channel:	2462MHz

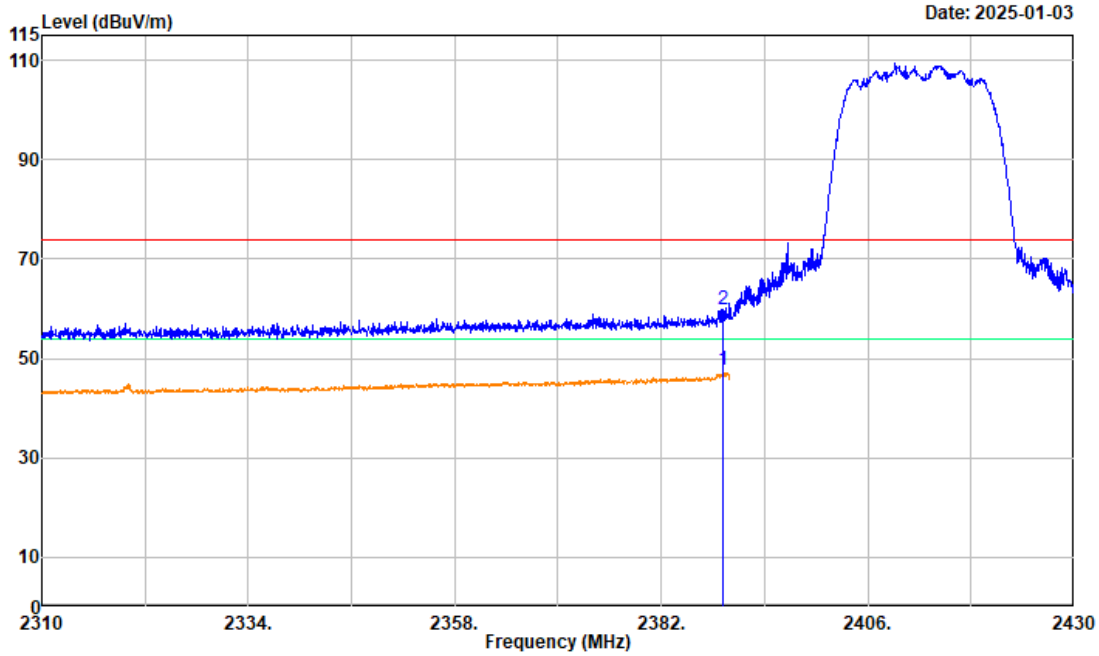


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.792	40.22	7.02	47.24	54.00	-6.76	Average
2	2483.792	53.97	7.02	60.99	74.00	-13.01	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11n20	Channel:	2412MHz

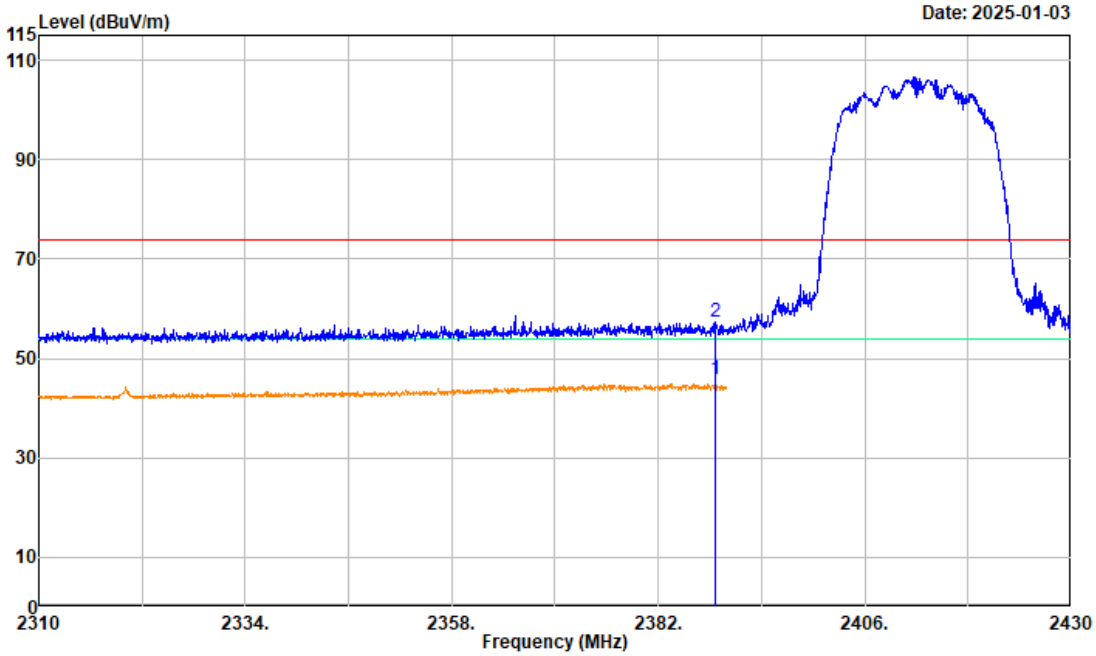


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n20 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.180	41.00	6.82	47.82	54.00	-6.18	Average
2	2389.180	53.12	6.82	59.94	74.00	-14.06	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11n20	Channel:	2412MHz

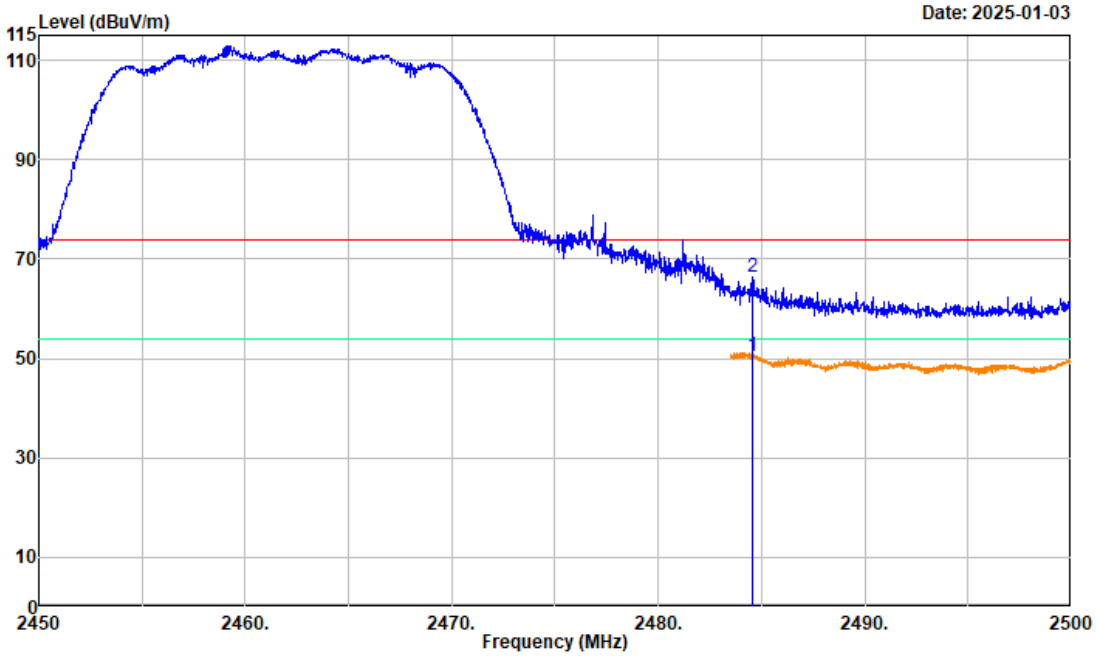


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n20 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2388.579	38.97	6.82	45.79	54.00	-8.21	Average
2	2388.579	50.43	6.82	57.25	74.00	-16.75	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11n20	Channel:	2462MHz

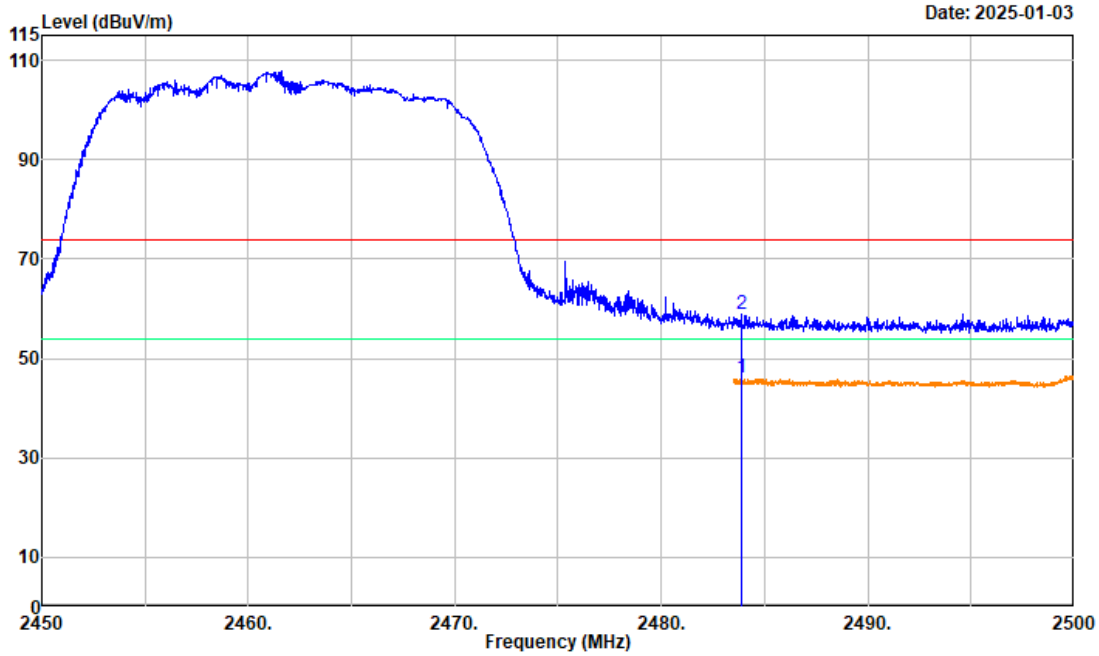


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2484.542	43.59	7.03	50.62	54.00	-3.38	Average
2	2484.542	59.42	7.03	66.45	74.00	-7.55	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11n20	Channel:	2462MHz

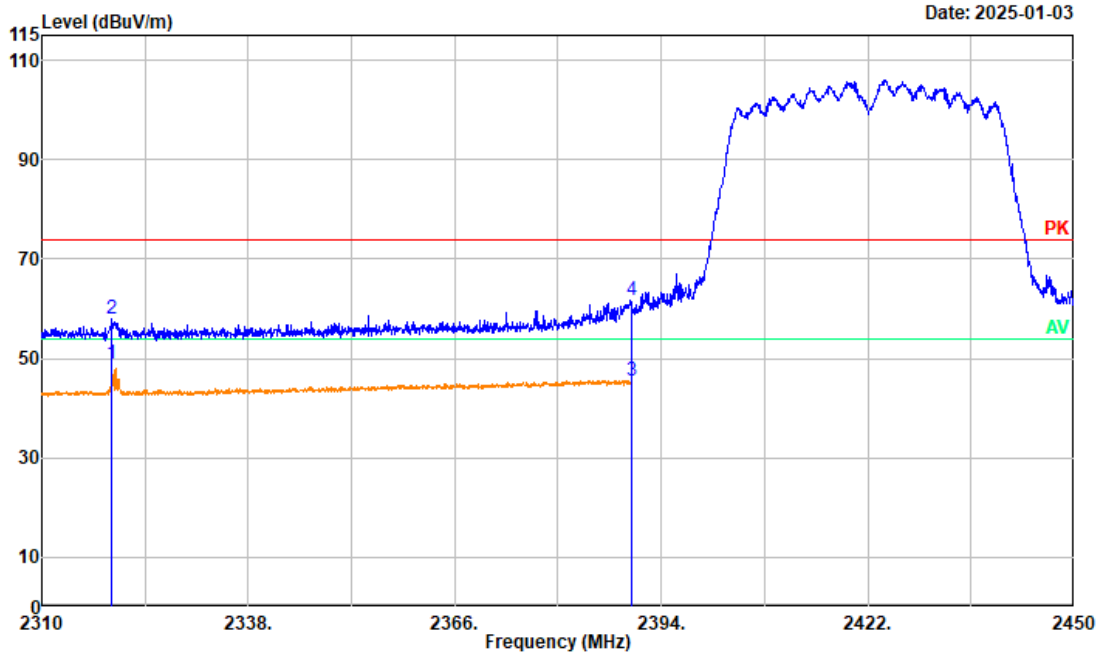


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.892	39.25	7.02	46.27	54.00	-7.73	Average
2	2483.892	51.75	7.02	58.77	74.00	-15.23	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11n40	Channel:	2422MHz

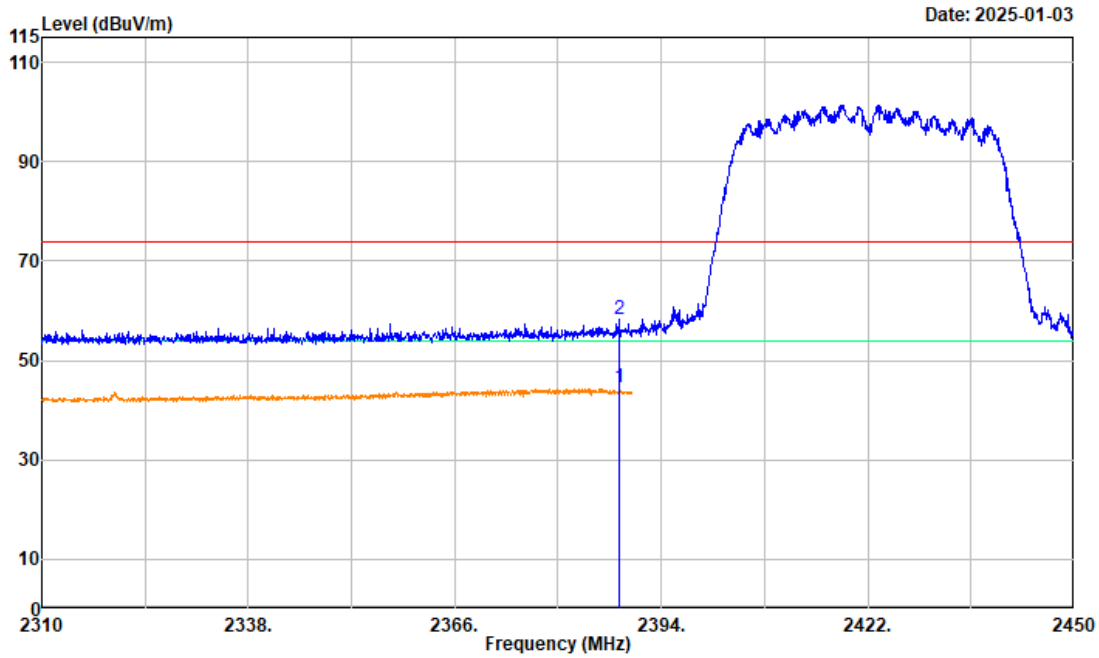


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n40 2422

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2319.525	42.33	6.68	49.01	54.00	-4.99	Average
2	2319.525	51.24	6.68	57.92	74.00	-16.08	Peak
3	2390.000	38.83	6.82	45.65	54.00	-8.35	Average
4	2390.000	54.93	6.82	61.75	74.00	-12.25	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11n40	Channel:	2422MHz

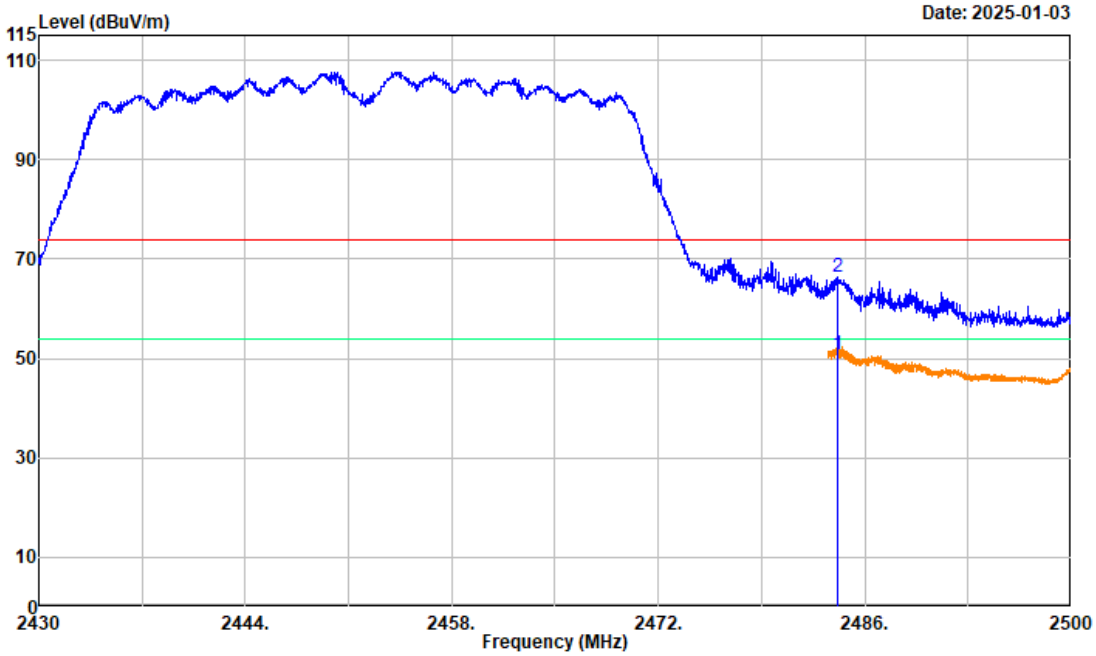


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n40 2422

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2388.229	37.64	6.82	44.46	54.00	-9.54	Average
2	2388.229	51.55	6.82	58.37	74.00	-15.63	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11n40	Channel:	2452MHz

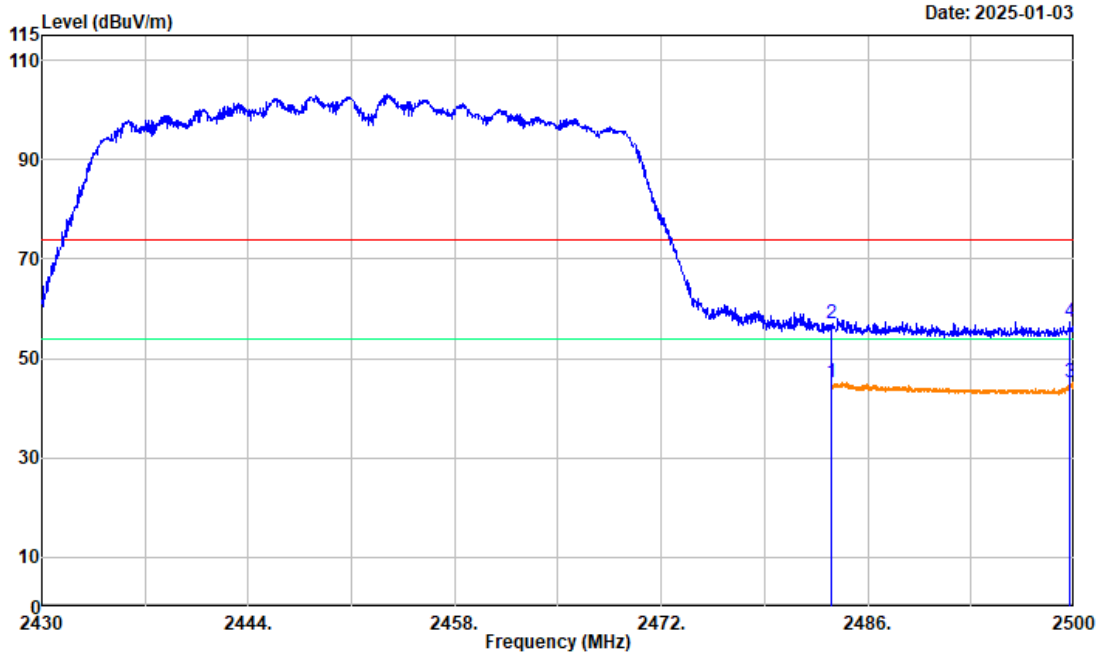


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n40 2452

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2484.172	43.85	7.02	50.87	54.00	-3.13	Average
2	2484.172	59.27	7.02	66.29	74.00	-7.71	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Mode:	802.11n40	Channel:	2452MHz



Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.5℃/40%R.H./101.1kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n40 2452

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2483.500	38.05	7.02	45.07	54.00	-8.93	Average
2	2483.500	49.93	7.02	56.95	74.00	-17.05	Peak
3	2499.720	38.14	7.08	45.22	54.00	-8.78	Average
4	2499.720	50.33	7.08	57.41	74.00	-16.59	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit
SA setting: Peak: RBW/VWB: 1MHz/3MHz, DET: PK
Average: RBW/VWB: 1MHz/10Hz , DET: PK

Module 2:

Frequency (MHz)	Reading level (dBμV)	Polar (H/V)	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
802.11b							
Low Channel							
4824.000	50.65	horizontal	-2.75	47.90	74.00	-26.10	Peak
4824.000	53.62	vertical	-2.75	50.87	74.00	-23.13	Peak
2122.561	55.03	vertical	-4.27	50.76	74.00	-23.24	Peak
Middle Channel							
4874.000	51.23	horizontal	-2.39	48.84	74.00	-25.16	Peak
4874.000	53.99	vertical	-2.39	51.60	74.00	-22.40	Peak
1660.000	55.65	vertical	-4.05	51.60	74.00	-22.40	Peak
High Channel							
4924.000	52.60	horizontal	-2.17	50.43	74.00	-23.57	Peak
4924.000	55.12	vertical	-2.17	52.95	74.00	-21.05	Peak
1595.000	54.34	vertical	-4.49	49.85	74.00	-24.15	Peak
2130.000	53.14	vertical	-4.23	48.91	74.00	-25.09	Peak
3000.000	52.01	vertical	-3.02	48.99	74.00	-25.01	Peak
3999.000	52.65	vertical	-3.78	48.87	74.00	-25.13	Peak
1333.000	52.16	horizontal	-6.42	45.74	74.00	-28.26	Peak
1593.000	54.18	horizontal	-4.51	49.67	74.00	-24.33	Peak
2661.000	50.51	horizontal	-2.70	47.81	74.00	-26.19	Peak
802.11g							
Low Channel							
4824.000	49.47	horizontal	-2.75	46.72	74.00	-27.28	Peak
4824.000	49.02	vertical	-2.75	46.27	74.00	-27.73	Peak
1594.000	56.33	vertical	-4.50	51.83	74.00	-22.17	Peak
Middle Channel							
4874.000	48.35	horizontal	-2.39	45.96	74.00	-28.04	Peak
4874.000	51.30	vertical	-2.39	48.91	74.00	-25.09	Peak
1594.000	57.06	vertical	-4.50	52.56	74.00	-21.44	Peak
High Channel							
4924.000	48.45	horizontal	-2.17	46.28	74.00	-27.72	Peak
4924.000	43.65	vertical	-2.17	41.48	54.00	-12.52	Average
4924.000	56.36	vertical	-2.17	54.19	74.00	-19.81	Peak
1598.000	54.95	vertical	-4.47	50.48	74.00	-23.52	Peak
2544.000	52.89	vertical	-2.90	49.99	74.00	-24.01	Peak
2659.000	52.58	vertical	-2.70	49.88	74.00	-24.12	Peak

6566.000	51.77	vertical	-1.75	50.02	74.00	-23.98	Peak
1332.000	52.79	horizontal	-6.43	46.36	74.00	-27.64	Peak
1485.000	51.25	horizontal	-5.17	46.08	74.00	-27.92	Peak
1596.000	51.19	horizontal	-4.48	46.71	74.00	-27.29	Peak
802.11n20							
Low Channel							
4824.000	47.90	horizontal	-2.75	45.15	74.00	-28.85	Peak
4824.000	48.88	vertical	-2.75	46.13	74.00	-27.87	Peak
1597.000	54.83	vertical	-4.47	50.36	74.00	-23.64	Peak
Middle Channel							
4874.000	49.91	horizontal	-2.39	47.52	74.00	-26.48	Peak
4874.000	51.89	vertical	-2.39	49.50	74.00	-24.50	Peak
1658.000	54.59	vertical	-4.06	50.53	74.00	-23.47	Peak
High Channel							
4924.000	51.97	horizontal	-2.17	49.80	74.00	-24.20	Peak
4924.000	55.02	vertical	-2.17	52.85	74.00	-21.15	Peak
1596.000	52.17	horizontal	-4.48	47.69	74.00	-26.31	Peak
2125.000	51.04	horizontal	-4.25	46.79	74.00	-27.21	Peak
2624.000	51.28	horizontal	-2.76	48.52	74.00	-25.48	Peak
1595.000	55.20	vertical	-4.49	50.71	74.00	-23.29	Peak
2132.000	53.17	vertical	-4.22	48.95	74.00	-25.05	Peak
3999.000	52.60	vertical	-3.78	48.82	74.00	-25.18	Peak

Remark:

Corrected Amplitude= Reading level + corrected Factor

Corrected Factor = Antenna factor + Cable loss – Amplifier gain

Margin = Corrected Amplitude – Limit

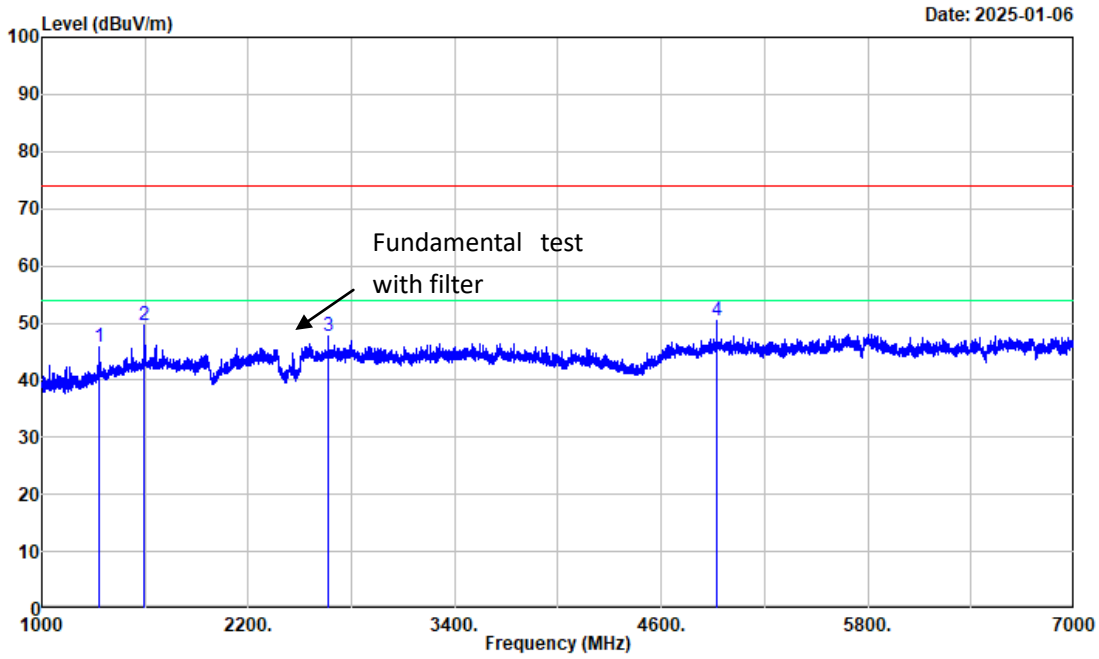
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

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:	2462MHz

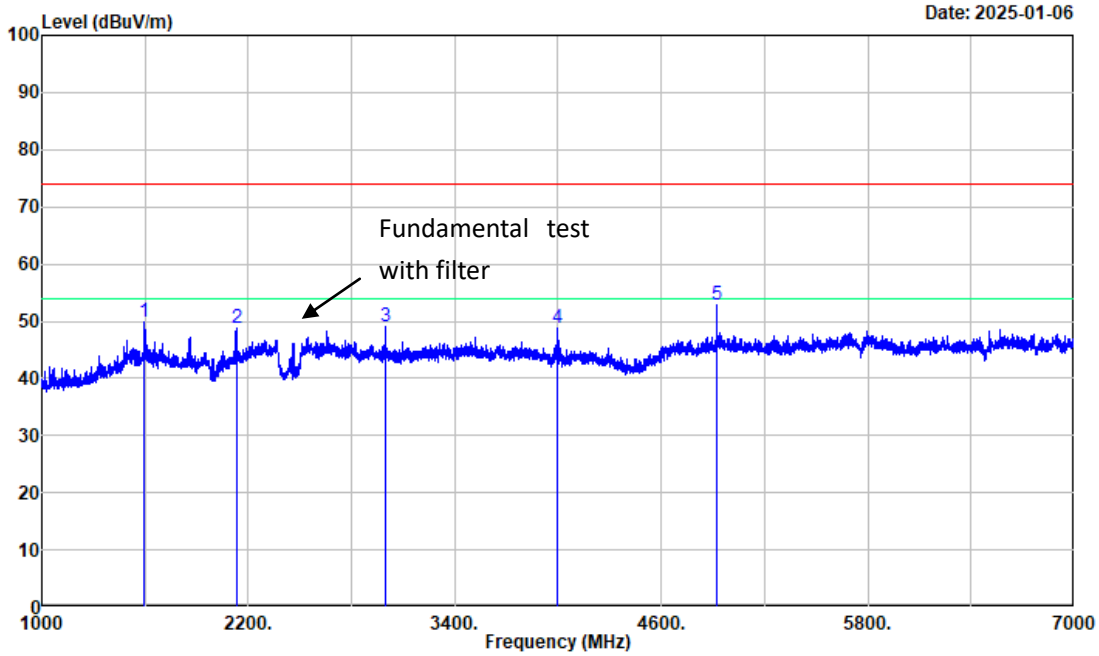


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1333.000	52.16	-6.42	45.74	74.00	-28.26	Peak
2	1593.000	54.18	-4.51	49.67	74.00	-24.33	Peak
3	2661.000	50.51	-2.70	47.81	74.00	-26.19	Peak
4	4924.000	52.60	-2.17	50.43	74.00	-23.57	Peak

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

Mode:	802.11b	Channel:	2462MHz

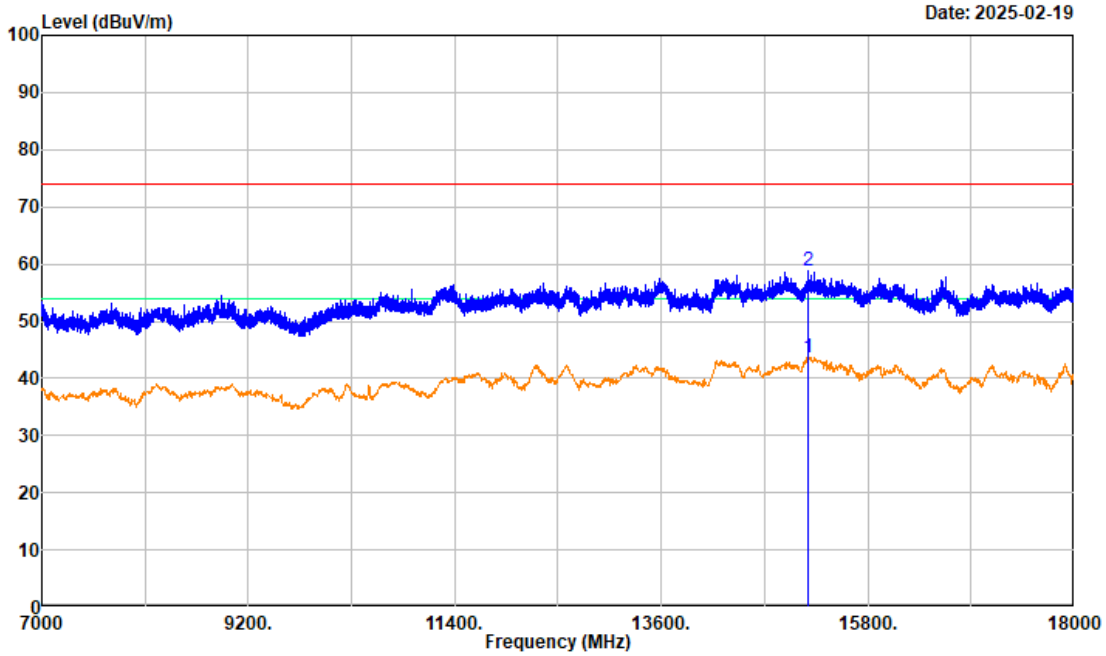


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1595.000	54.34	-4.49	49.85	74.00	-24.15	Peak
2	2130.000	53.14	-4.23	48.91	74.00	-25.09	Peak
3	3000.000	52.01	-3.02	48.99	74.00	-25.01	Peak
4	3999.000	52.65	-3.78	48.87	74.00	-25.13	Peak
5	4924.000	55.12	-2.17	52.95	74.00	-21.05	Peak

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

Mode:	802.11b	Channel:	2462MHz

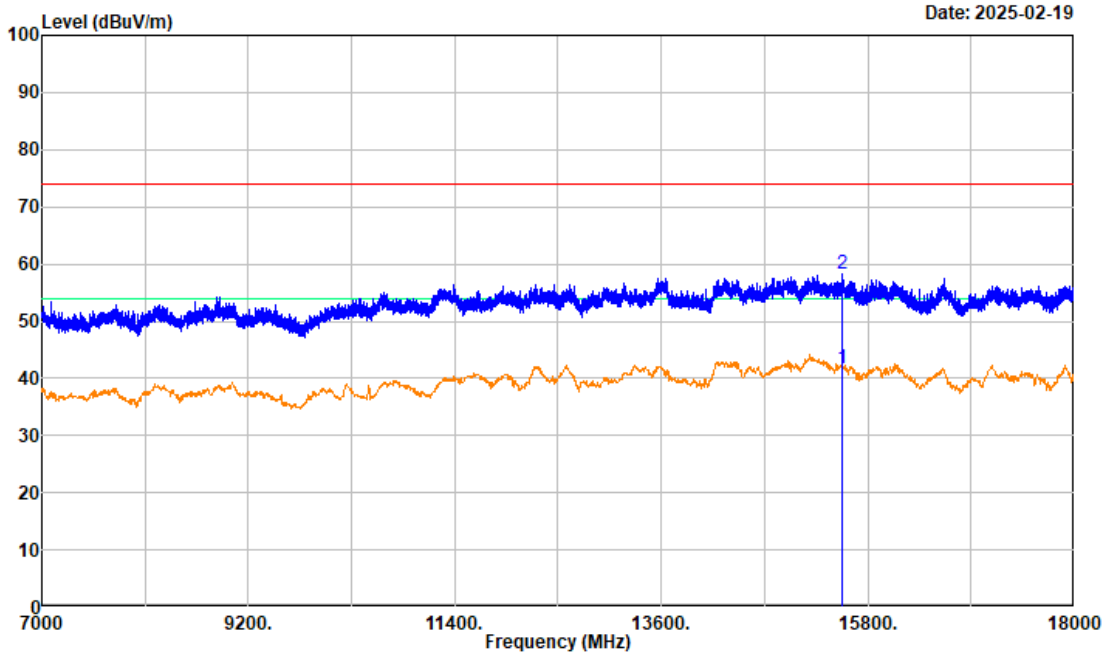


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15169.000	38.38	5.22	43.60	54.00	-10.40	Average
2	15169.000	53.55	5.22	58.77	74.00	-15.23	Peak

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

Mode:	802.11b	Channel:	2462MHz

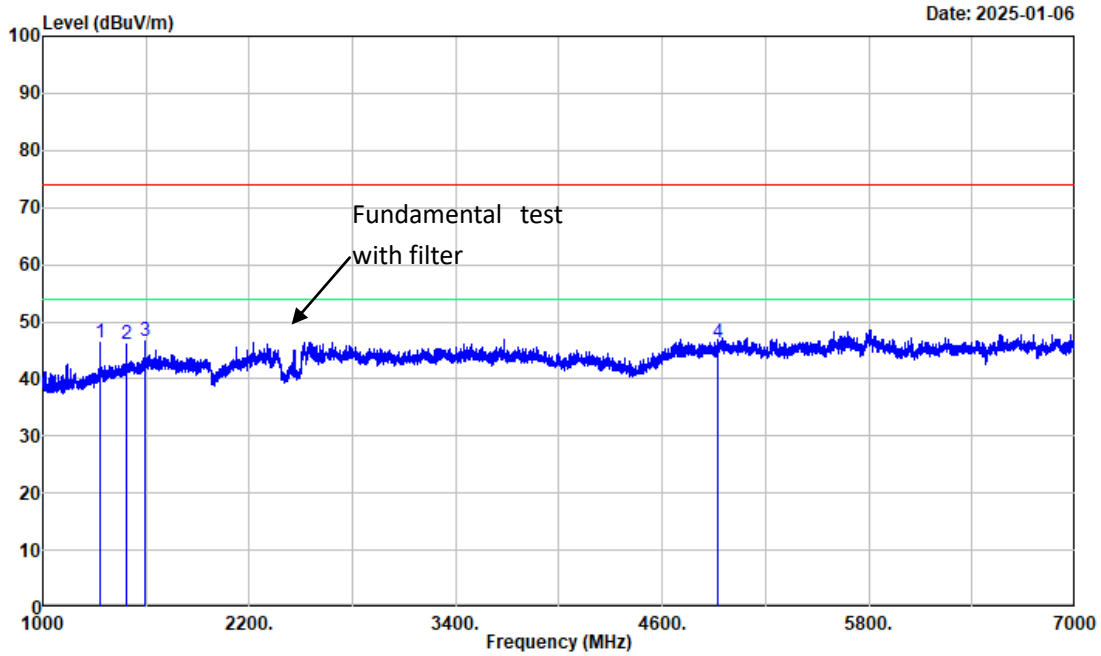


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15533.000	36.68	5.13	41.81	54.00	-12.19	Average
2	15533.000	53.14	5.13	58.27	74.00	-15.73	Peak

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

Mode:	802.11g	Channel:	2462MHz

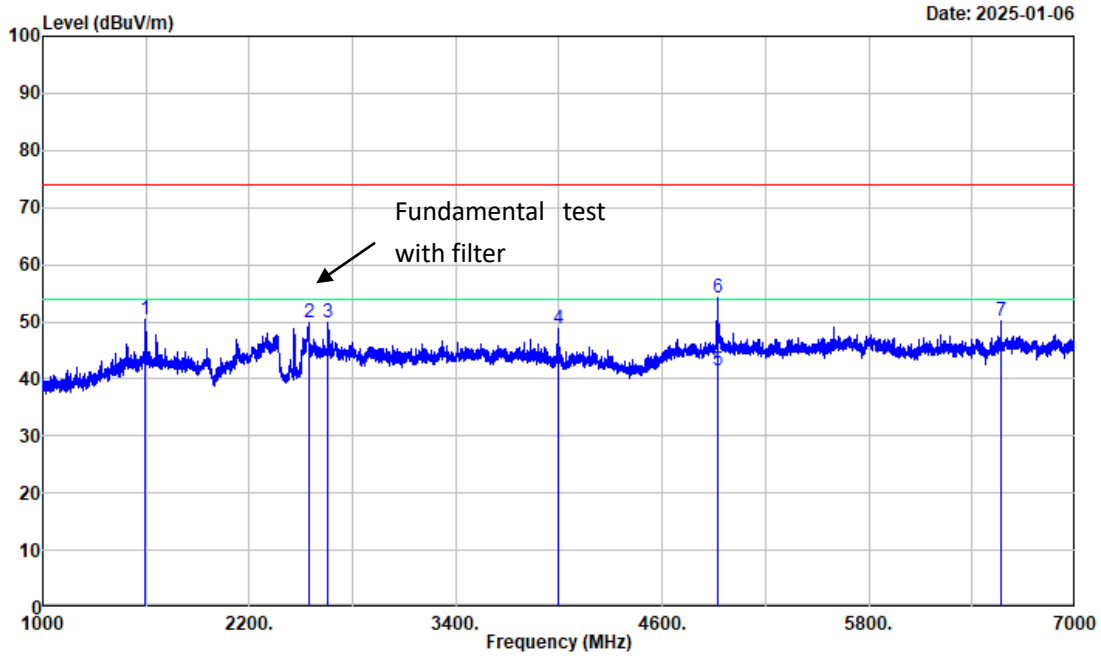


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1332.000	52.79	-6.43	46.36	74.00	-27.64	Peak
2	1485.000	51.25	-5.17	46.08	74.00	-27.92	Peak
3	1596.000	51.19	-4.48	46.71	74.00	-27.29	Peak
4	4924.000	48.45	-2.17	46.28	74.00	-27.72	Peak

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

Mode:	802.11g	Channel:	2462MHz

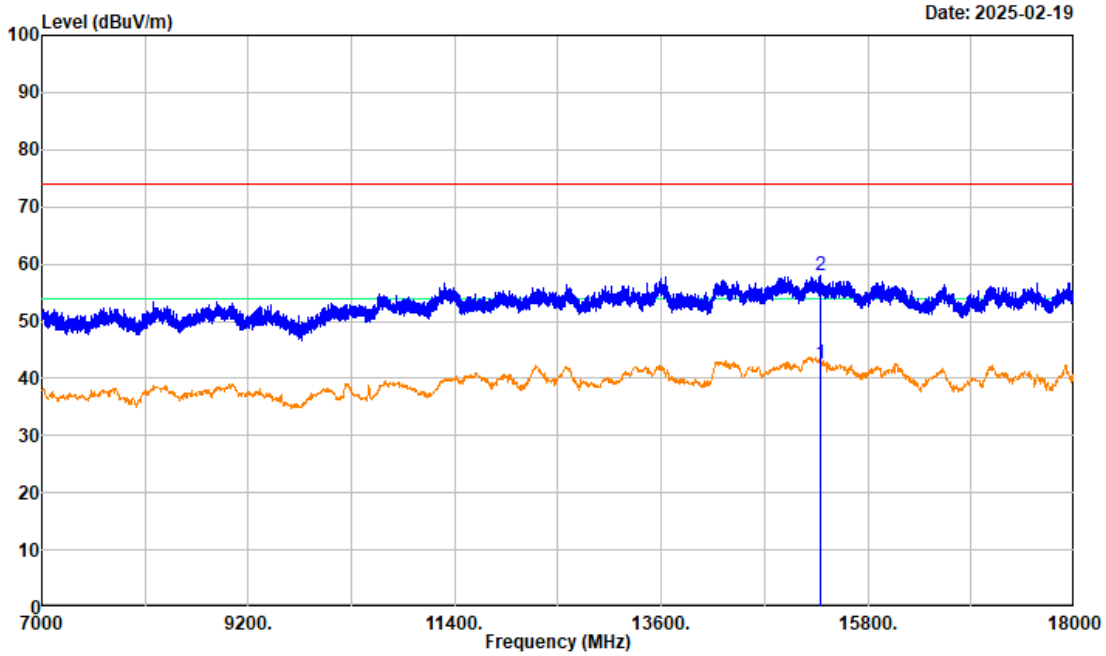


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1598.000	54.95	-4.47	50.48	74.00	-23.52	Peak
2	2544.000	52.89	-2.90	49.99	74.00	-24.01	Peak
3	2659.000	52.58	-2.70	49.88	74.00	-24.12	Peak
4	3999.000	52.44	-3.78	48.66	74.00	-25.34	Peak
5	4924.000	43.65	-2.17	41.48	54.00	-12.52	Average
6	4924.000	56.36	-2.17	54.19	74.00	-19.81	Peak
7	6566.000	51.77	-1.75	50.02	74.00	-23.98	Peak

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

Mode:	802.11g	Channel:	2462MHz

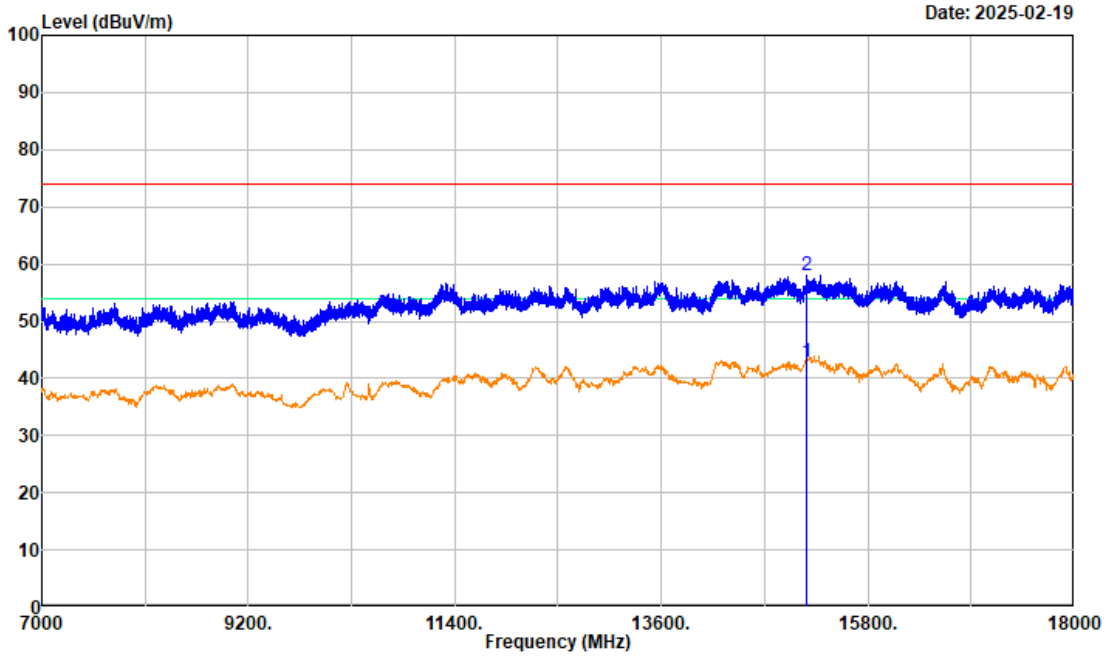


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15292.000	37.51	5.15	42.66	54.00	-11.34	Average
2	15292.000	52.95	5.15	58.10	74.00	-15.90	Peak

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

Mode:	802.11g	Channel:	2462MHz

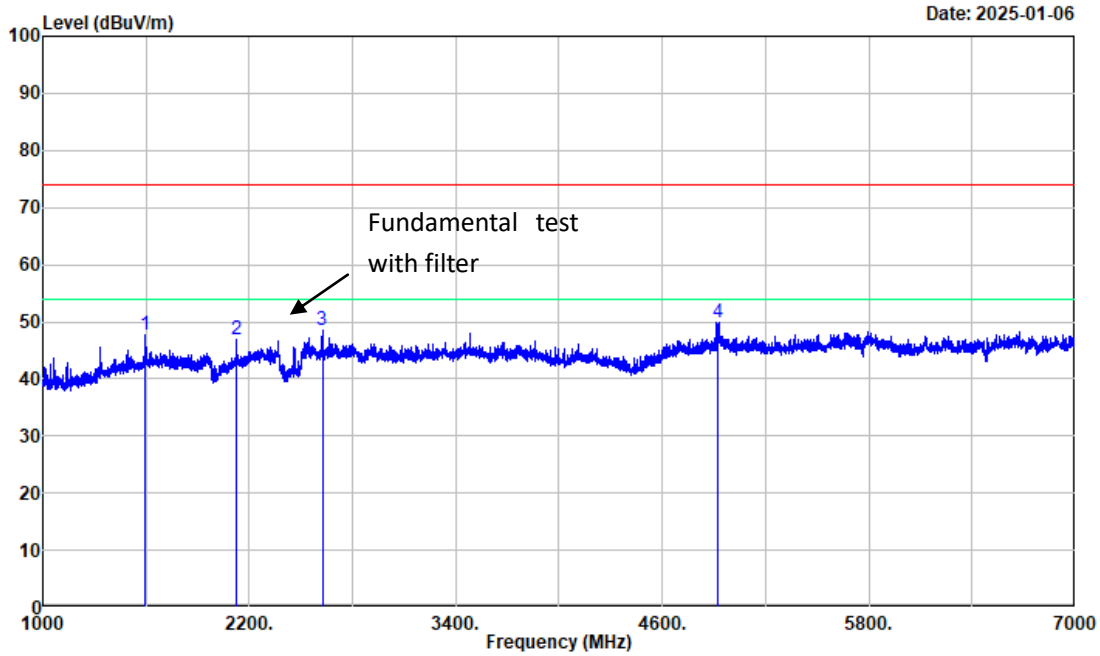


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15140.000	37.74	5.19	42.93	54.00	-11.07	Average
2	15140.000	52.92	5.19	58.11	74.00	-15.89	Peak

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

Mode:	802.11n20	Channel:	2462MHz

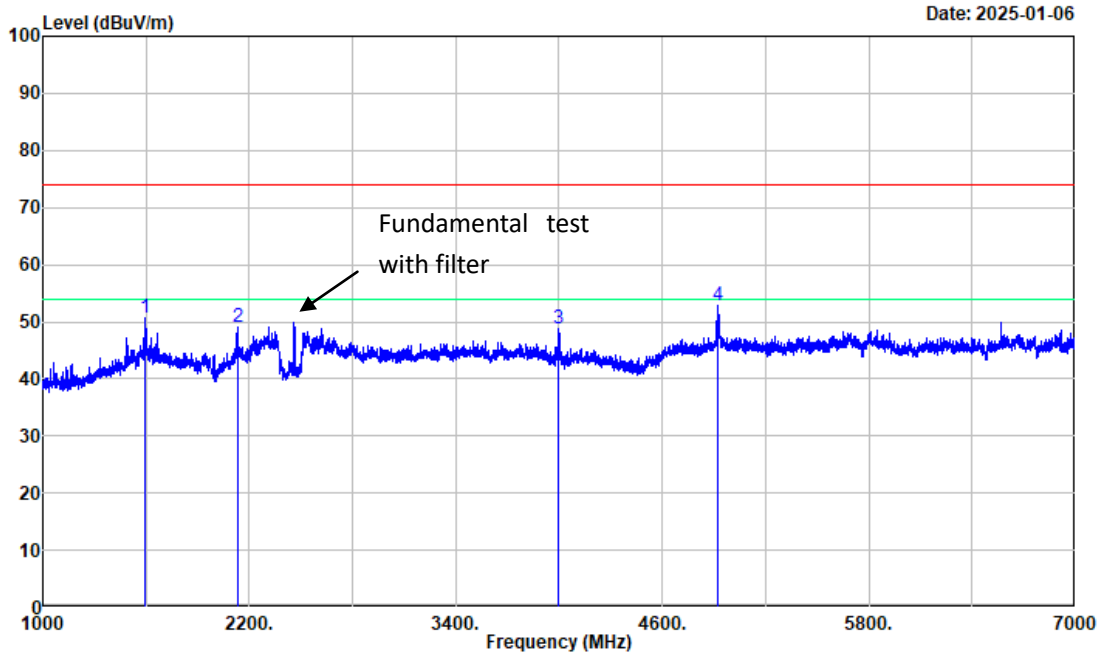


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1596.000	52.17	-4.48	47.69	74.00	-26.31	Peak
2	2125.000	51.04	-4.25	46.79	74.00	-27.21	Peak
3	2624.000	51.28	-2.76	48.52	74.00	-25.48	Peak
4	4924.000	51.97	-2.17	49.80	74.00	-24.20	Peak

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

Mode:	802.11n20	Channel:	2462MHz

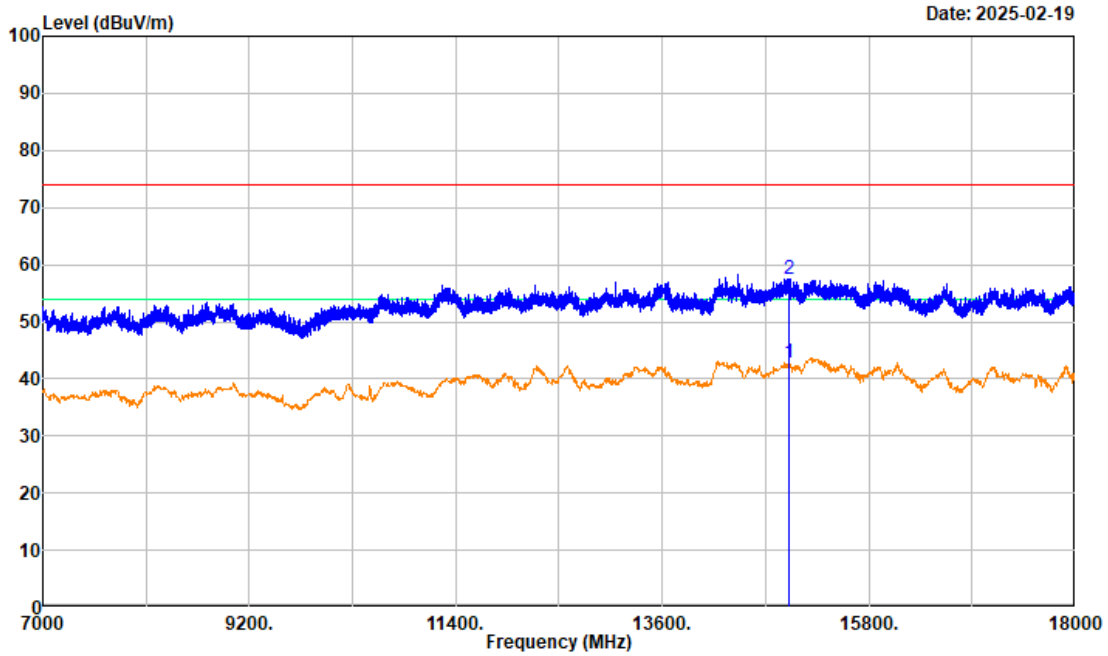


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	1595.000	55.20	-4.49	50.71	74.00	-23.29	Peak
2	2132.000	53.17	-4.22	48.95	74.00	-25.05	Peak
3	3999.000	52.60	-3.78	48.82	74.00	-25.18	Peak
4	4924.000	55.02	-2.17	52.85	74.00	-21.15	Peak

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

Mode:	802.11n20	Channel:	2462MHz

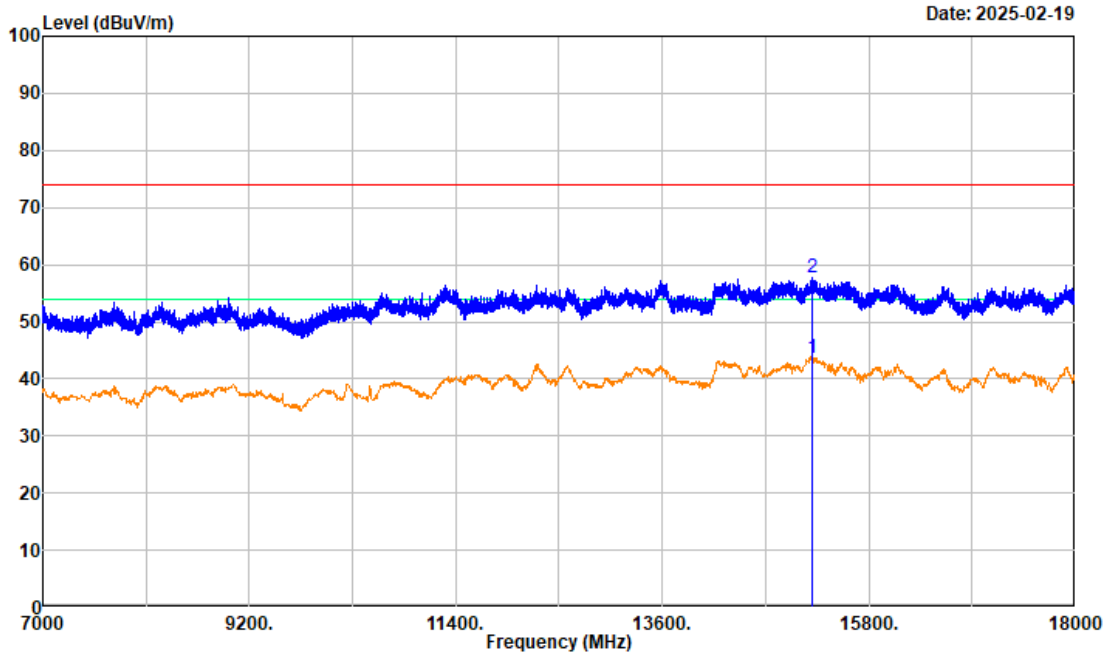


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	14950.000	37.34	5.58	42.92	54.00	-11.08	Average
2	14950.000	51.97	5.58	57.55	74.00	-16.45	Peak

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

Mode:	802.11n20	Channel:	2462MHz

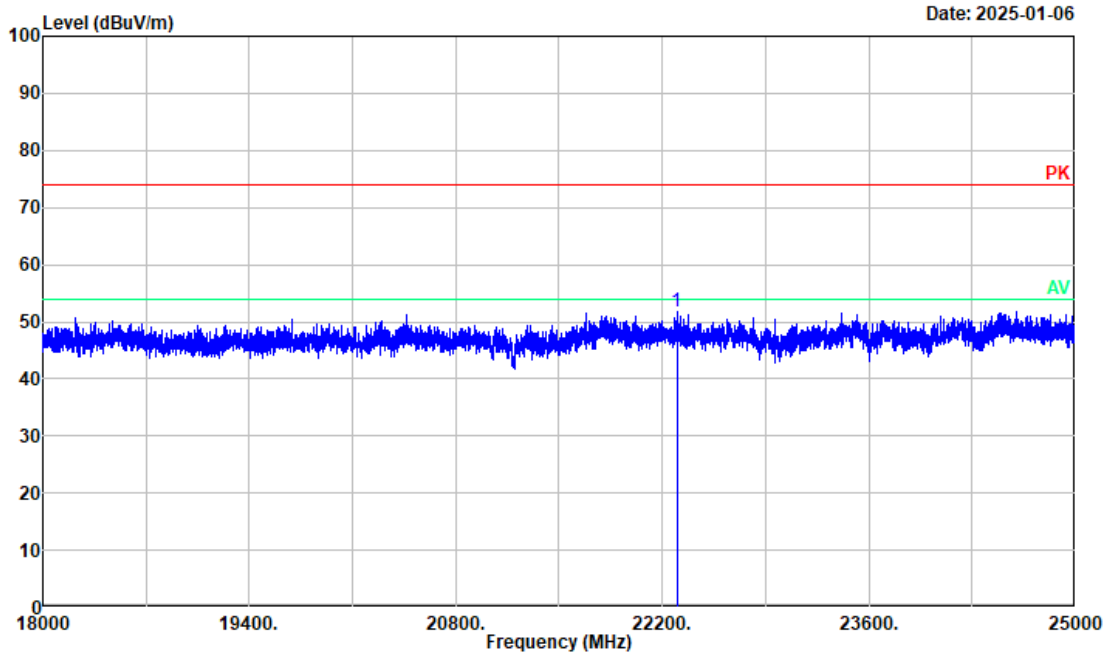


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15197.000	38.38	5.28	43.66	54.00	-10.34	Average
2	15197.000	52.53	5.28	57.81	74.00	-16.19	Peak

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

Mode:	802.11g	Channel:	2412MHz

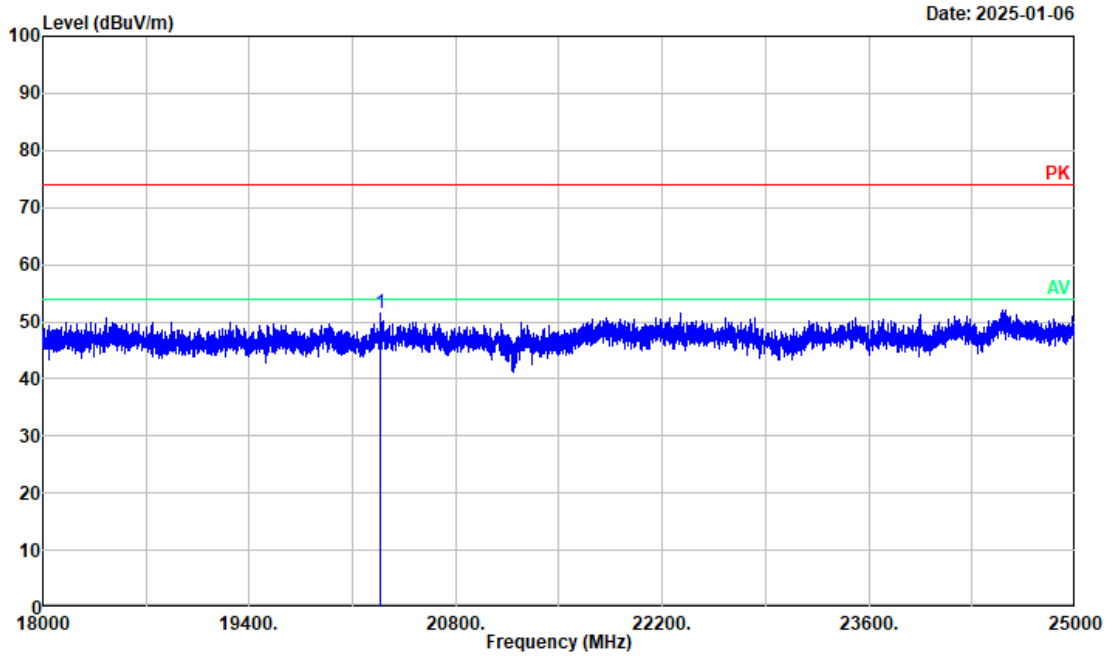


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 22.5℃/42%R.H./101.4kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : RTL 8731BU 802.11g-2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	22298.000	54.75	-2.88	51.87	74.00	-22.13	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:	802.11g	Channel:	2412MHz



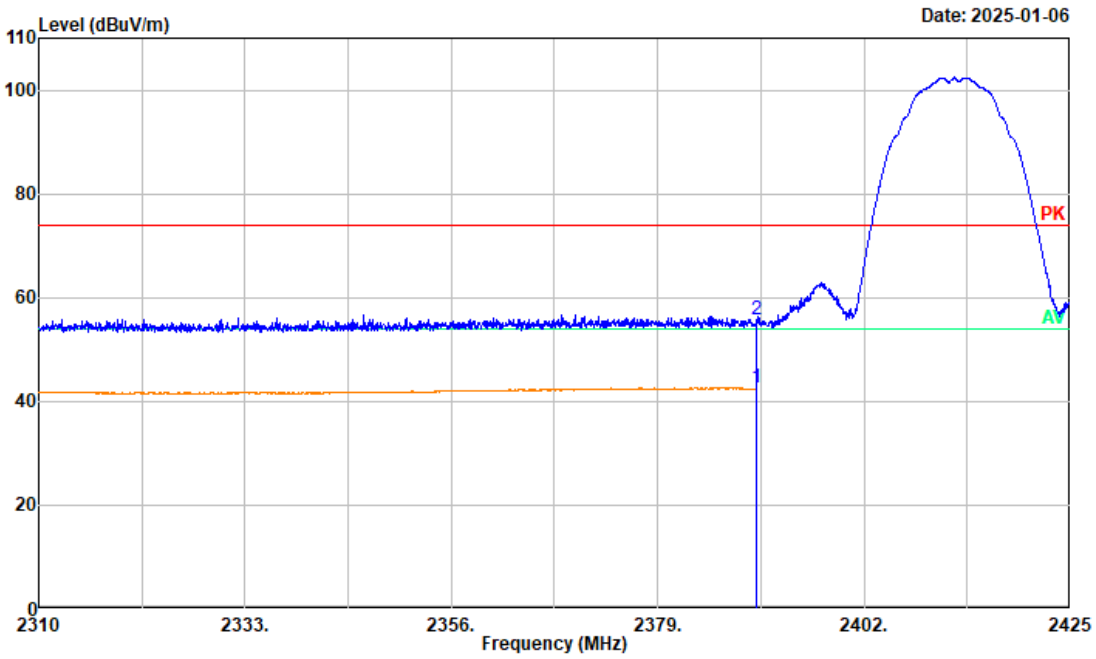
Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 22.5℃/42%R.H./101.4kPa
Tested by : Bard Huang
Polarization : vertical
Remark : RTL 8731BU 802.11g-2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	20288.000	54.99	-3.39	51.60	74.00	-22.40	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

Radiated Band edge:

Mode:	802.11b	Channel:	2412MHz

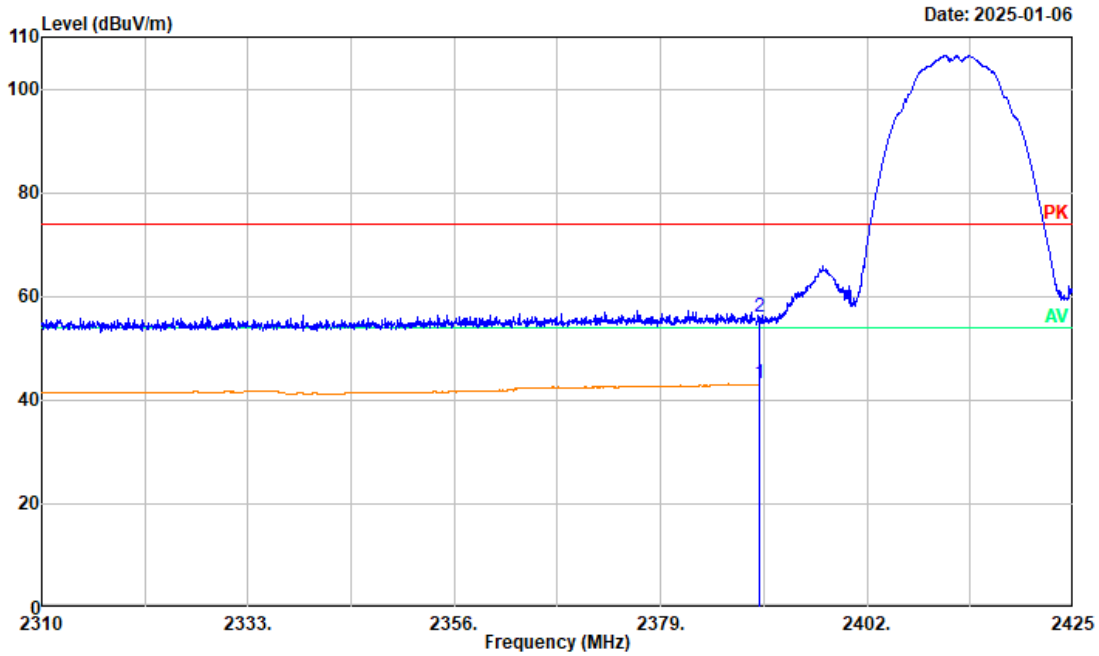


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11b 2412

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2390.000	35.80	6.82	42.62	54.00	-11.38	Average
2	2390.000	48.86	6.82	55.68	74.00	-18.32	Peak

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

Mode:	802.11b	Channel:	2412MHz

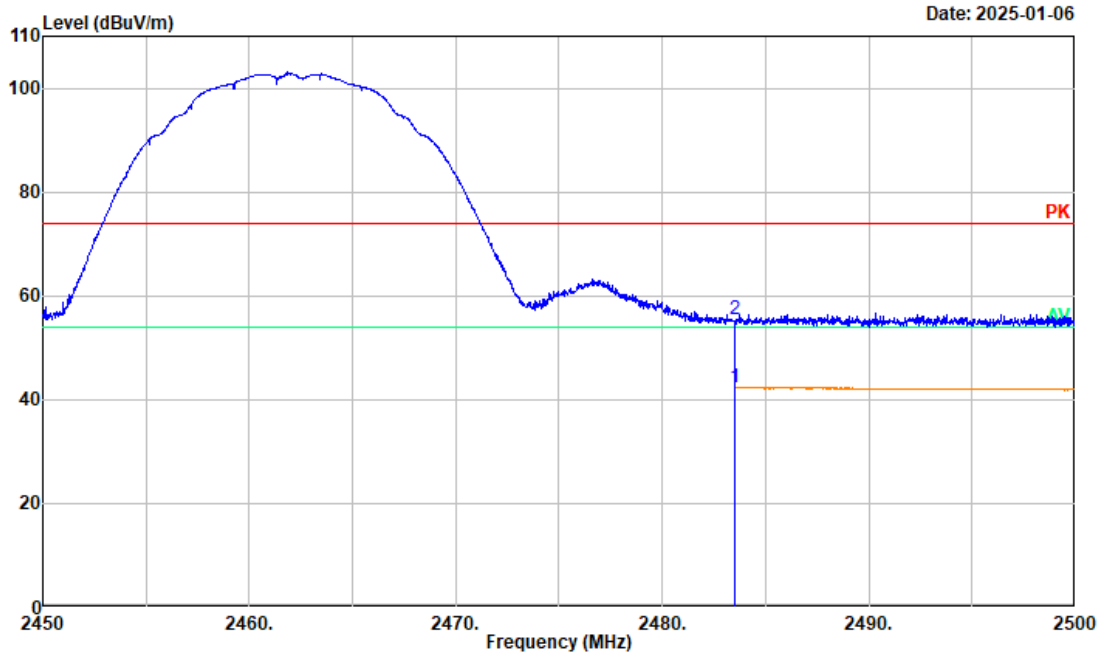


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11b 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2390.000	36.27	6.82	43.09	54.00	-10.91	Average
2	2390.022	49.09	6.82	55.91	74.00	-18.09	Peak

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

Mode:	802.11b	Channel:	2462MHz

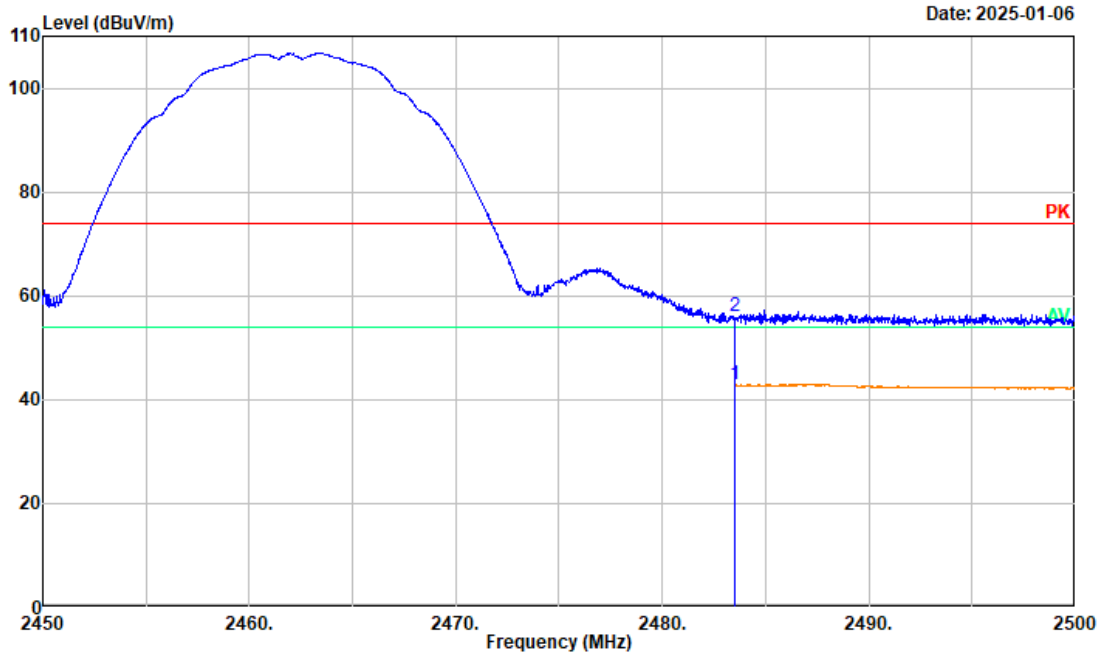


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	35.37	7.02	42.39	54.00	-11.61	Average
2	2483.500	48.54	7.02	55.56	74.00	-18.44	Peak

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

Mode:	802.11b	Channel:	2462MHz

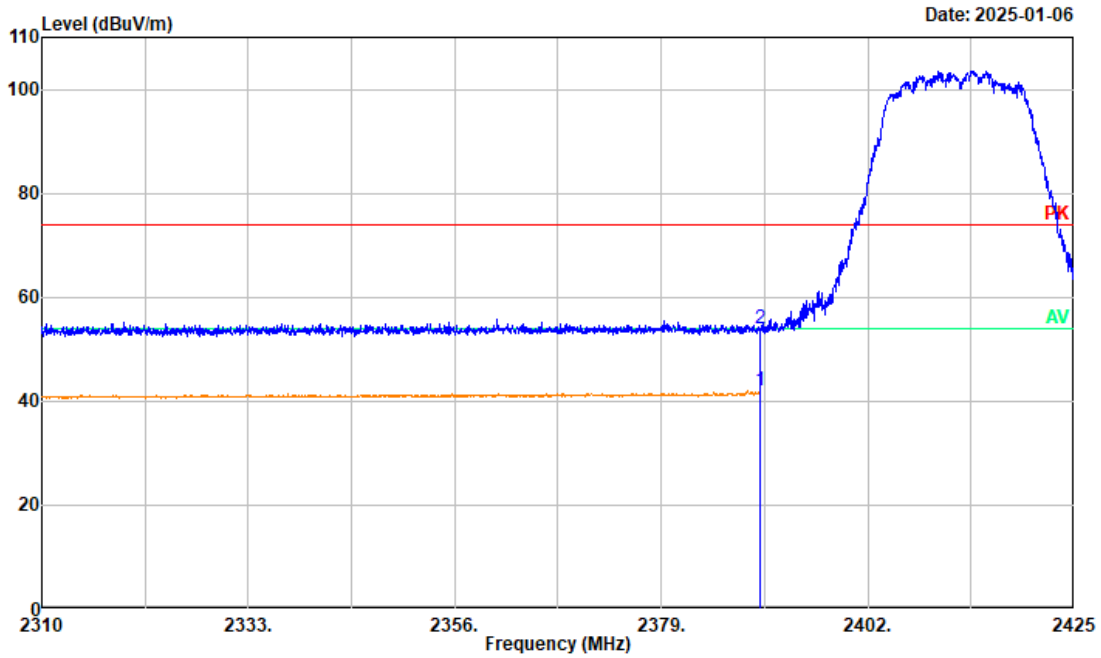


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11b 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	35.91	7.02	42.93	54.00	-11.07	Average
2	2483.500	49.02	7.02	56.04	74.00	-17.96	Peak

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

Mode:	802.11g	Channel:	2412MHz

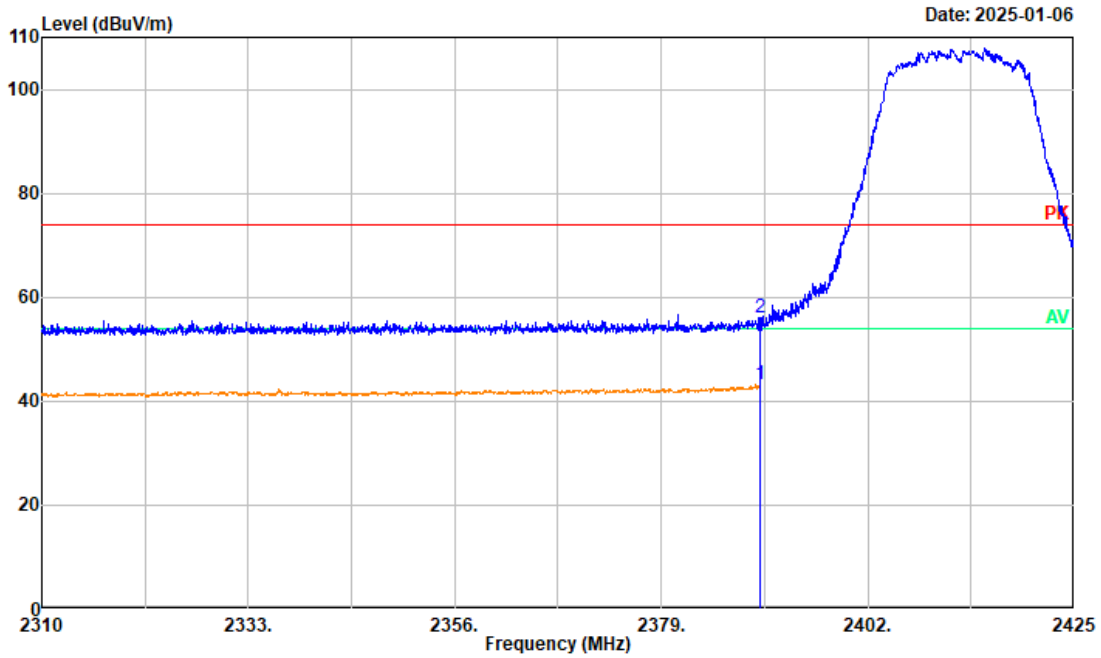


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2390.000	35.14	6.82	41.96	54.00	-12.04	Average
2	2390.000	47.03	6.82	53.85	74.00	-20.15	Peak

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

Mode:	802.11g	Channel:	2412MHz

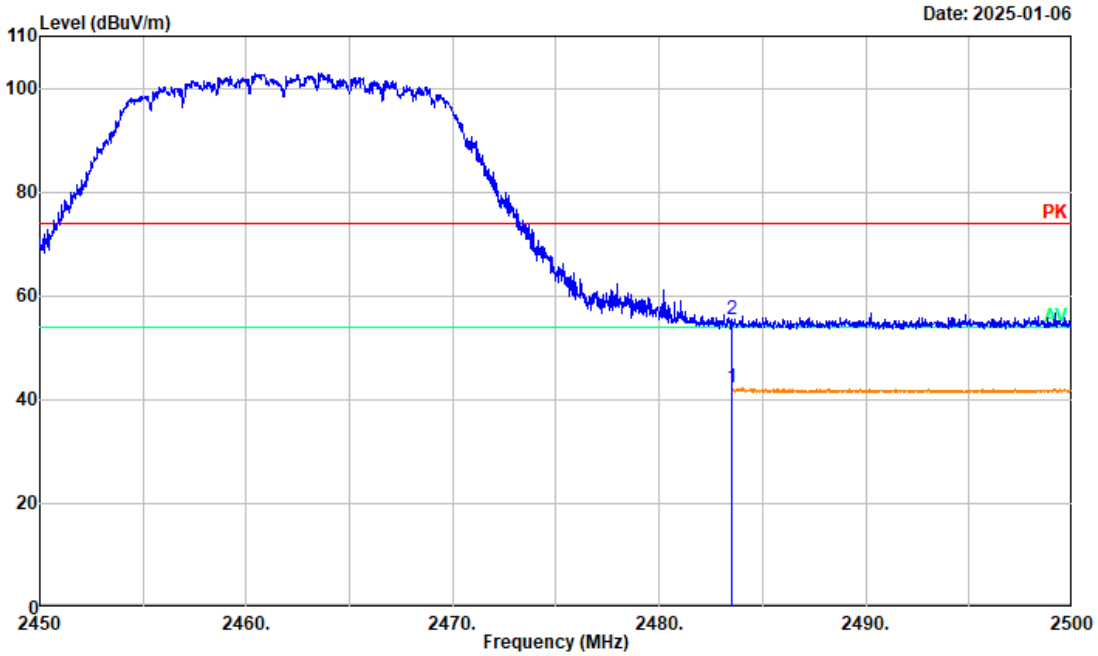


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11g 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2390.022	36.27	6.82	43.09	54.00	-10.91	Average
2	2390.022	49.16	6.82	55.98	74.00	-18.02	Peak

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

Mode:	802.11g	Channel:	2462MHz

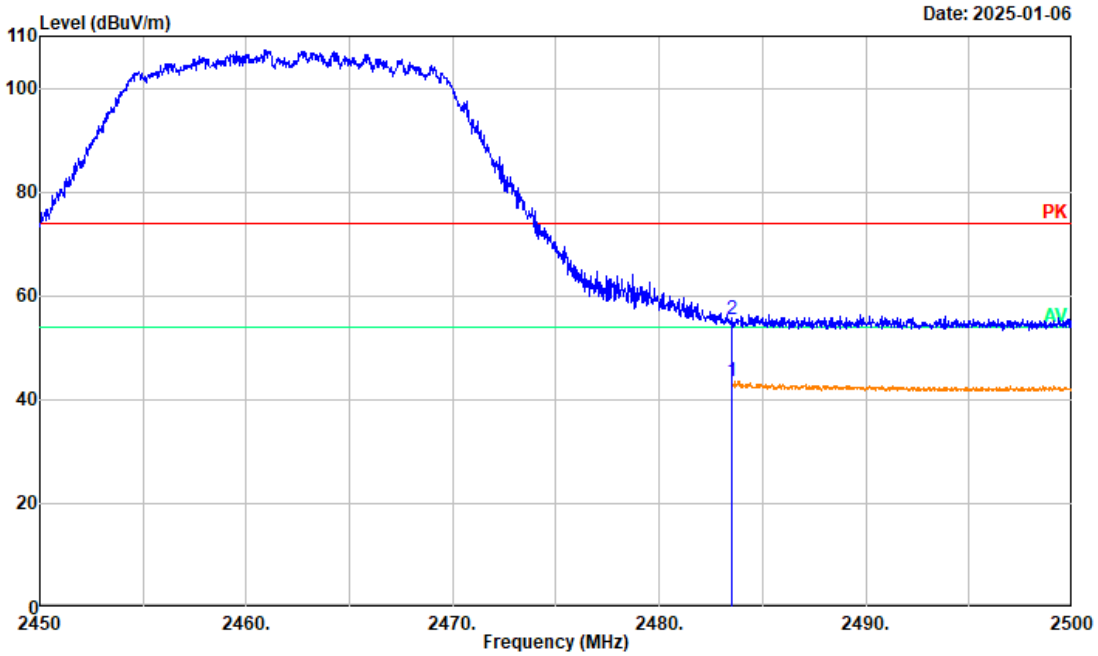


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	35.21	7.02	42.23	54.00	-11.77	Average
2	2483.500	48.32	7.02	55.34	74.00	-18.66	Peak

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

Mode:	802.11g	Channel:	2462MHz

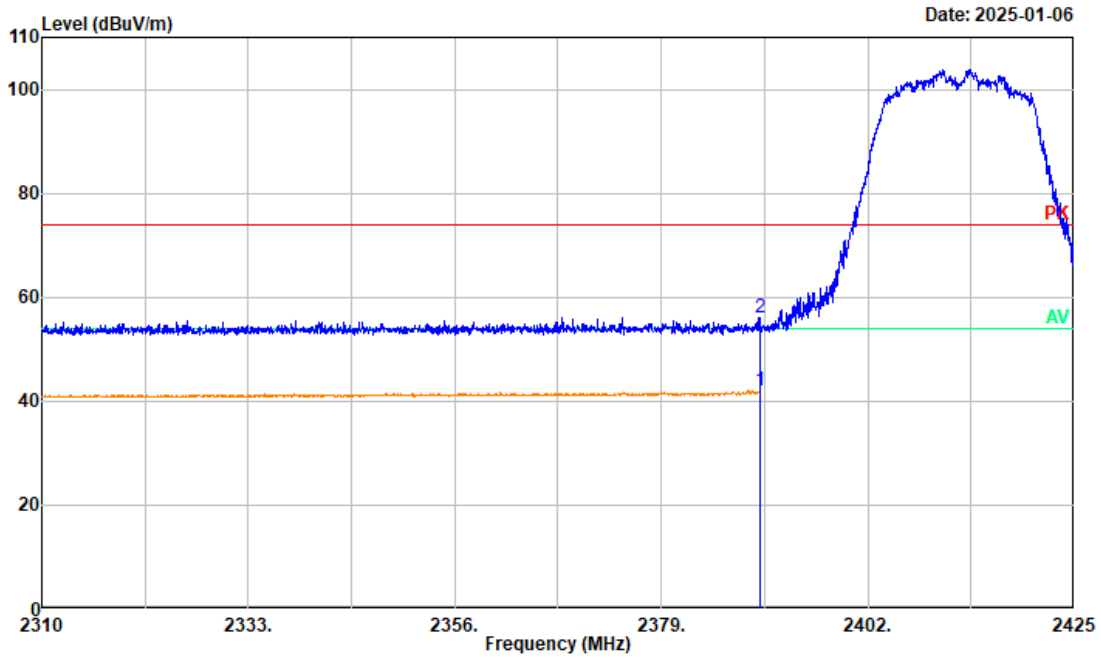


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11g 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	36.41	7.02	43.43	54.00	-10.57	Average
2	2483.500	48.32	7.02	55.34	74.00	-18.66	Peak

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

Mode:	802.11n20	Channel:	2412MHz

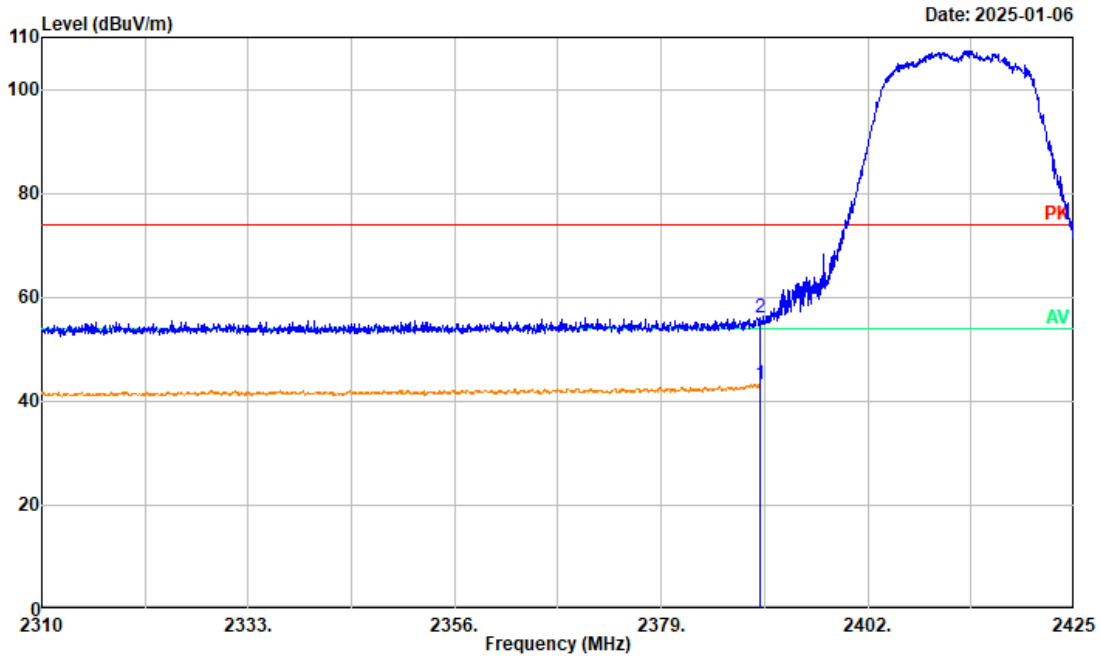


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n20 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.965	35.17	6.82	41.99	54.00	-12.01	Average
2	2389.965	49.24	6.82	56.06	74.00	-17.94	Peak

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

Mode:	802.11n20	Channel:	2412MHz

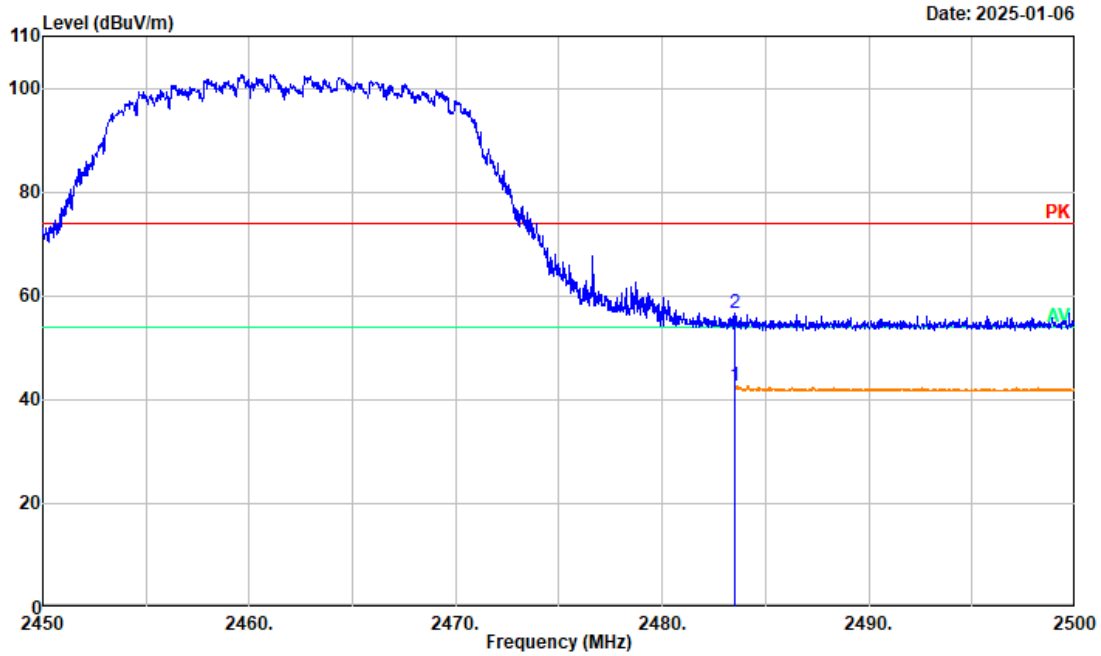


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n20 2412

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2390.000	36.53	6.82	43.35	54.00	-10.65	Average
2	2390.000	49.36	6.82	56.18	74.00	-17.82	Peak

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

Mode:	802.11n20	Channel:	2462MHz

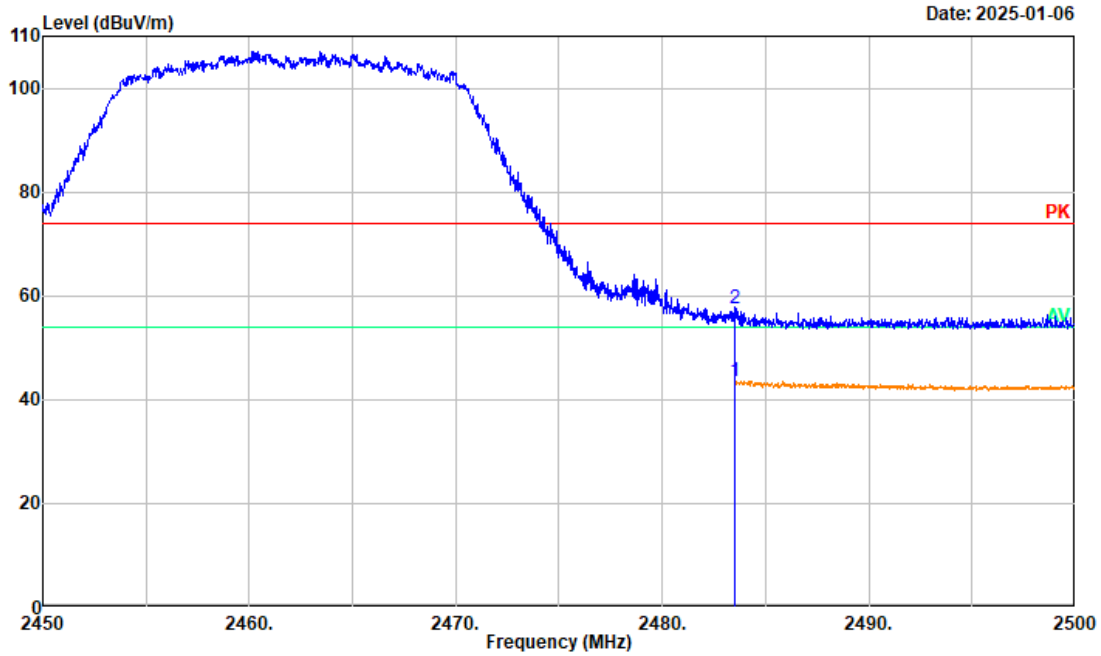


Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : horizontal
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	35.66	7.02	42.68	54.00	-11.32	Average
2	2483.500	49.75	7.02	56.77	74.00	-17.23	Peak

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

Mode:	802.11n20	Channel:	2462MHz



Project No. : 2405Z107557E
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 24.3℃/33%R.H./101.3kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11n20 2462

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	2483.500	36.55	7.02	43.57	54.00	-10.43	Average
2	2483.500	50.45	7.02	57.47	74.00	-16.53	Peak

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

3.5 RF Conducted Test Data

Test Date:	2025-01-20~2025-02-19	Test By:	Ryan Zhang
Environment condition:	Temperature: 23.5~23.9°C; RelativeHumidity: 53~58%; ATM Pressure: 100.4~100.9kPa		

3.5.1 6dB Emission Bandwidth

Module 1:

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Chain 0	2412	9.129	≥0.5	Pass
		2437	9.610	≥0.5	Pass
		2462	9.129	≥0.5	Pass
	Chain 1	2412	9.129	≥0.5	Pass
		2437	9.129	≥0.5	Pass
		2462	9.129	≥0.5	Pass
802.11g	Chain 0	2412	16.376	≥0.5	Pass
		2437	16.376	≥0.5	Pass
		2462	16.376	≥0.5	Pass
	Chain 1	2412	16.416	≥0.5	Pass
		2437	16.376	≥0.5	Pass
		2462	16.376	≥0.5	Pass
802.11n20	Chain 0	2412	17.658	≥0.5	Pass
		2437	17.618	≥0.5	Pass
		2462	17.618	≥0.5	Pass
	Chain 1	2412	17.658	≥0.5	Pass
		2437	17.618	≥0.5	Pass
		2462	17.257	≥0.5	Pass
802.11n40	Chain 0	2422	35.876	≥0.5	Pass
		2437	35.556	≥0.5	Pass
		2452	35.476	≥0.5	Pass
	Chain 1	2422	35.235	≥0.5	Pass
		2437	35.235	≥0.5	Pass
		2452	35.235	≥0.5	Pass

Module 2:

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Chain 0	2412	9.129	≥0.5	Pass
		2437	9.650	≥0.5	Pass
		2462	9.610	≥0.5	Pass
802.11g	Chain 0	2412	14.134	≥0.5	Pass
		2437	15.175	≥0.5	Pass
		2462	13.614	≥0.5	Pass
802.11n20	Chain 0	2412	13.213	≥0.5	Pass
		2437	15.175	≥0.5	Pass
		2462	13.854	≥0.5	Pass

3.5.2 99% Occupied Bandwidth

Module 1:

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11b	Chain 0	2412	14.120
		2437	14.120
		2462	14.080
	Chain 1	2412	14.120
		2437	14.080
		2462	14.080
802.11g	Chain 0	2412	16.360
		2437	16.360
		2462	16.440
	Chain 1	2412	16.360
		2437	16.360
		2462	16.360
802.11n20	Chain 0	2412	17.520
		2437	17.560
		2462	17.520
	Chain 1	2412	17.560
		2437	17.560
		2462	17.560
802.11n40	Chain 0	2422	35.920
		2437	36.000
		2452	36.000
	Chain 1	2422	35.840
		2437	36.000
		2452	35.920

Module 2:

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11b	Chain 0	2412	13.960
		2437	14.000
		2462	13.960
802.11g	Chain 0	2412	16.280
		2437	16.280
		2462	16.360
802.11n20	Chain 0	2412	17.400
		2437	17.520
		2462	17.440

3.5.3 Maximum Conducted Output Power

Module 1:

Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	Verdict
802.11b	Chain 0	2412	13.18	30	Pass
		2437	14.50	30	Pass
		2462	15.31	30	Pass
	Chain 1	2412	13.61	30	Pass
		2437	14.53	30	Pass
		2462	15.10	30	Pass
	Chain 0+ Chain 1	2412	16.41	30	Pass
		2437	17.53	30	Pass
		2462	18.22	30	Pass
802.11g	Chain 0	2412	23.05	30	Pass
		2437	23.53	30	Pass
		2462	24.05	30	Pass
	Chain 1	2412	22.66	30	Pass
		2437	23.33	30	Pass
		2462	24.30	30	Pass
	Chain 0+ Chain 1	2412	25.87	30	Pass
		2437	26.44	30	Pass
		2462	27.19	30	Pass
802.11n20	Chain 0	2412	22.17	30	Pass
		2437	22.97	30	Pass
		2462	23.35	30	Pass

Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	Verdict
	Chain 1	2412	22.07	30	Pass
		2437	22.98	30	Pass
		2462	23.76	30	Pass
	Chain 0+ Chain 1	2412	25.13	30	Pass
		2437	25.99	30	Pass
		2462	26.57	30	Pass
802.11n40	Chain 0	2422	23.68	30	Pass
		2437	23.22	30	Pass
		2452	23.18	30	Pass
	Chain 1	2422	23.22	30	Pass
		2437	23.31	30	Pass
		2452	22.58	30	Pass
	Chain 0+ Chain 1	2422	26.47	30	Pass
		2437	26.28	30	Pass
		2452	25.90	30	Pass

Note:

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

For power measurements on IEEE 802.11 devices:

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

G_{ANT} =2.69dBi

Directional gain=2.69+0=2.69dBi<6dBi

Module 2:

Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	Verdict
802.11b	Chain 0	2412	10.16	30	Pass
		2437	11.46	30	Pass
		2462	10.53	30	Pass
802.11g	Chain 0	2412	23.76	30	Pass
		2437	21.75	30	Pass
		2462	21.57	30	Pass
802.11n20	Chain 0	2412	22.08	30	Pass
		2437	22.38	30	Pass
		2462	21.68	30	Pass

3.5.4 Power Spectral Density

Module 1:

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	Chain 0	2412	-10.69	8	Pass
		2437	-9.44	8	Pass
		2462	-8.64	8	Pass
	Chain 1	2412	-12.18	8	Pass
		2437	-9.49	8	Pass
		2462	-9.75	8	Pass
	Chain 0+ Chain 1	2412	-8.36	8	Pass
		2437	-6.45	8	Pass
		2462	-6.15	8	Pass
802.11g	Chain 0	2412	-13.21	8	Pass
		2437	-11.71	8	Pass
		2462	-11.03	8	Pass
	Chain 1	2412	-12.43	8	Pass
		2437	-11.76	8	Pass
		2462	-11.62	8	Pass
	Chain 0+ Chain 1	2412	-9.79	8	Pass
		2437	-8.72	8	Pass
		2462	-8.30	8	Pass
802.11n20	Chain 0	2412	-13.03	8	Pass
		2437	-12.10	8	Pass
		2462	-12.58	8	Pass
	Chain 1	2412	-14.08	8	Pass
		2437	-13.00	8	Pass
		2462	-12.23	8	Pass
	Chain 0+ Chain 1	2412	-10.51	8	Pass
		2437	-9.52	8	Pass
		2462	-9.39	8	Pass
802.11n40	Chain 0	2422	-14.20	8	Pass
		2437	-13.65	8	Pass
		2452	-13.88	8	Pass

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
	Chain 1	2422	-14.68	8	Pass
		2437	-15.40	8	Pass
		2452	-15.21	8	Pass
	Chain 0+ Chain 1	2422	-11.42	8	Pass
		2437	-11.43	8	Pass
		2452	-11.48	8	Pass

Note:

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

For power spectral density (PSD) measurements:

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

G_{ANT} =2.69dBi

Directional gain=2.69+10*log(2)=5.70dBi＜6dBi

Module 2:

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	Chain 0	2412	-12.69	8	Pass
		2437	-13.35	8	Pass
		2462	-14.76	8	Pass
802.11g	Chain 0	2412	-12.65	8	Pass
		2437	-12.34	8	Pass
		2462	-13.55	8	Pass
802.11n20	Chain 0	2412	-12.96	8	Pass
		2437	-14.30	8	Pass
		2462	-13.33	8	Pass

3.5.5 100 kHz Bandwidth of Frequency Band Edge

Module 1:

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	45.94	20	Pass
		2462	37.21	20	Pass
	Chain 1	2412	45.08	20	Pass
		2462	42.68	20	Pass
802.11g	Chain 0	2412	42.09	20	Pass
		2462	42.80	20	Pass
	Chain 1	2412	41.65	20	Pass
		2462	46.90	20	Pass
802.11n20	Chain 0	2412	41.56	20	Pass
		2462	31.69	20	Pass
	Chain 1	2412	41.32	20	Pass
		2462	31.45	20	Pass
802.11n40	Chain 0	2422	38.04	20	Pass
		2452	35.34	20	Pass
	Chain 1	2422	38.42	20	Pass
		2452	36.90	20	Pass

Module 2:

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	45.50	20	Pass
		2462	49.52	20	Pass
802.11g	Chain 0	2412	42.28	20	Pass
		2462	47.69	20	Pass
802.11n20	Chain 0	2412	39.56	20	Pass
		2462	50.48	20	Pass

3.5.6 Duty Cycle

Module 1:

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	Chain 0	2437	100	100	100	0	NA	0.010
802.11g	Chain 0	2437	100	100	100	0	NA	0.010
802.11n20	Chain 0	2437	100	100	100	0	NA	0.010
802.11n40	Chain 0	2437	100	100	100	0	NA	0.010

Module 2:

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	Chain 0	2437	12.410	NA	Not constant	NA	81	0.1
802.11g	Chain 0	2437	2.047	NA	Not constant	NA	489	0.5
802.11n20	Chain 0	2437	1.899	NA	Not constant	NA	527	1

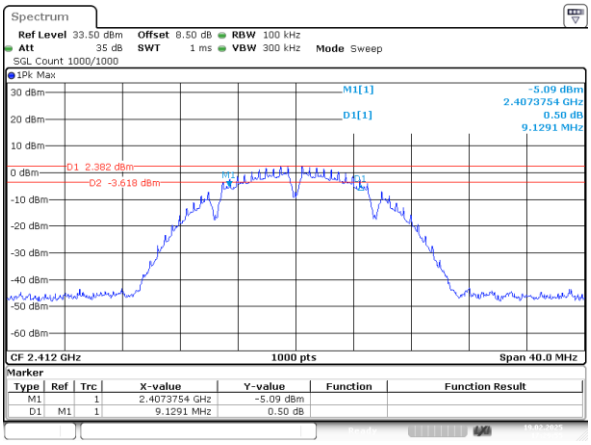
Duty Cycle = Ton/(Ton+Toff)*100%

Test Plots:

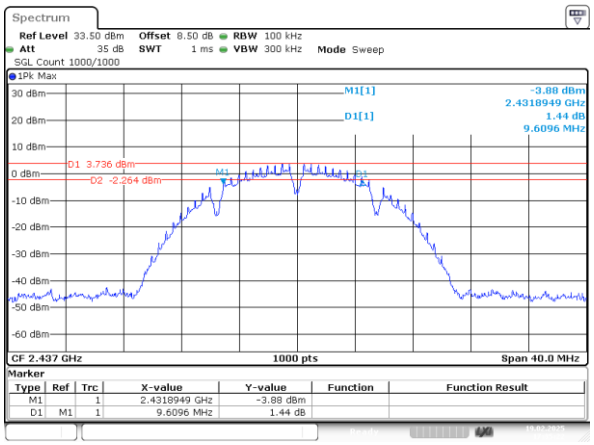
6dB Emission Bandwidth

Module 1:

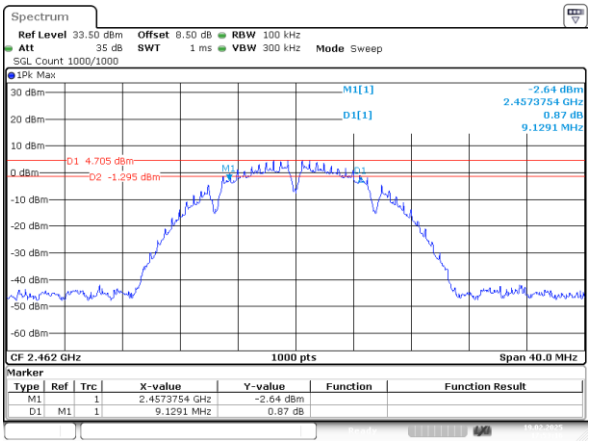
802.11b_2412MHz_Chain 0



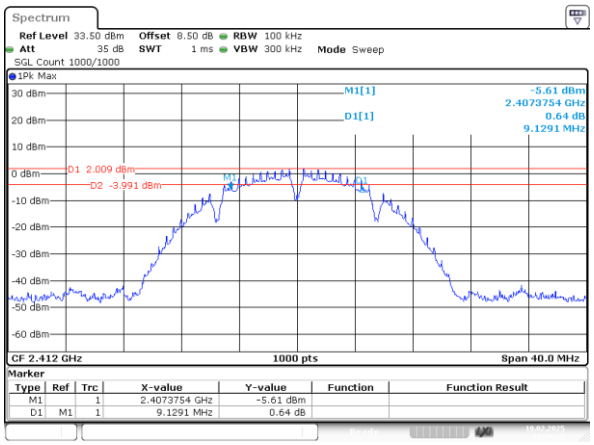
802.11b_2437MHz_Chain 0



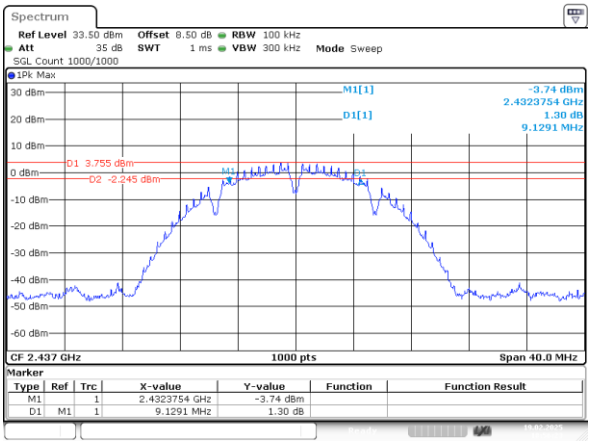
802.11b_2462MHz_Chain 0



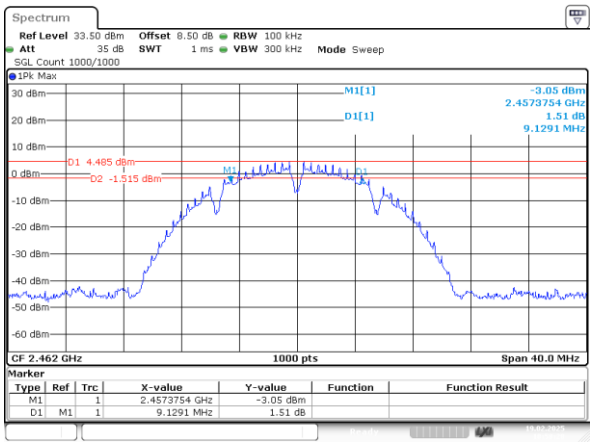
802.11b_2412MHz_Chain 1



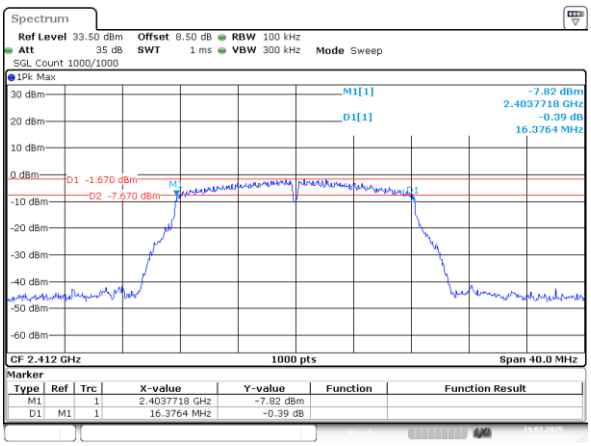
802.11b_2437MHz_Chain 1



802.11b_2462MHz_Chain 1

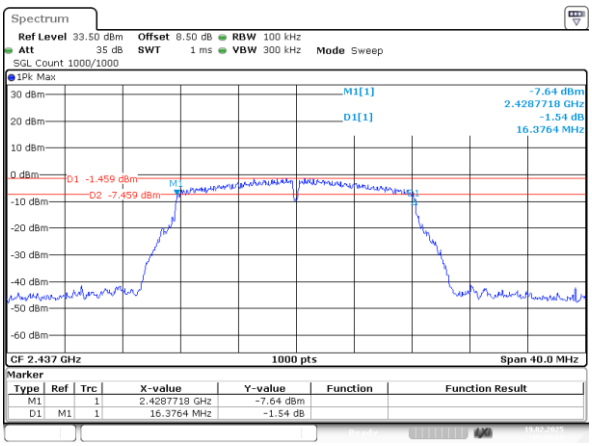


802.11g_2412MHz_Chain 0



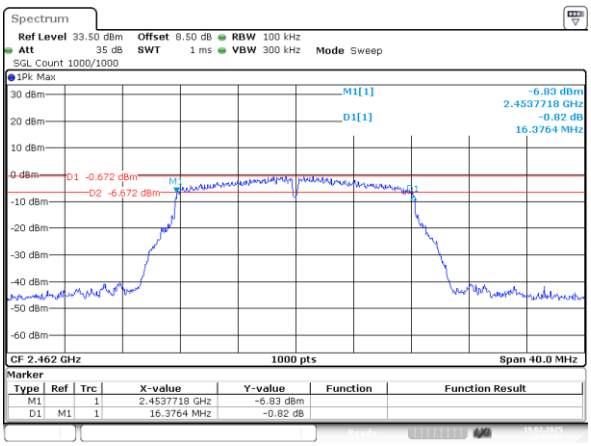
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 17:56:20

802.11g_2437MHz_Chain 0



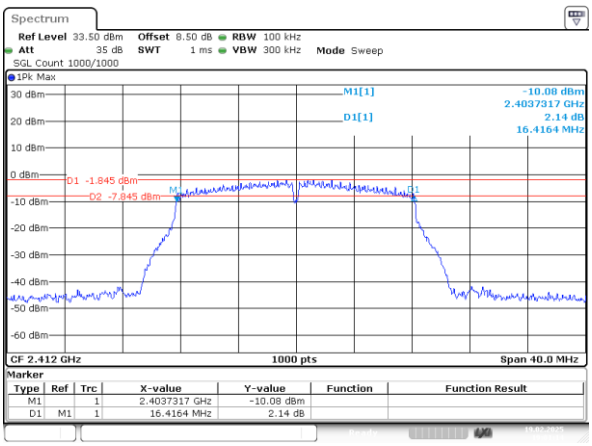
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 17:59:19

802.11g_2462MHz_Chain 0



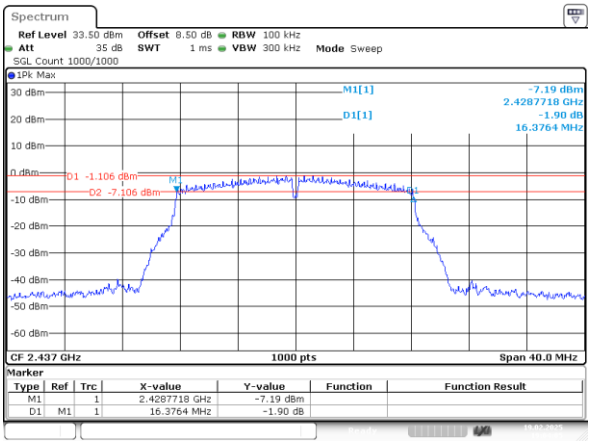
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 18:01:41

802.11g_2412MHz_Chain 1



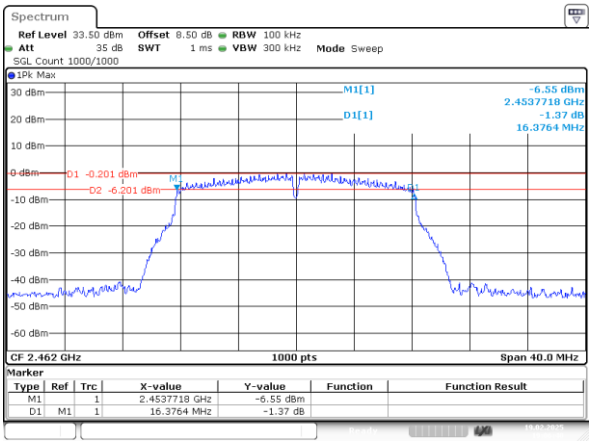
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:01:13

802.11g_2437MHz_Chain 1



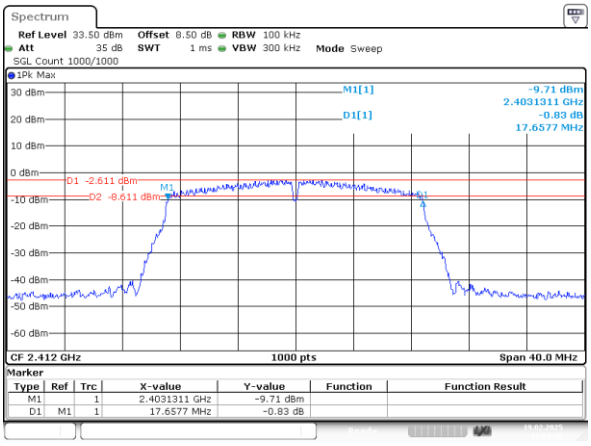
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:04:05

802.11g_2462MHz_Chain 1



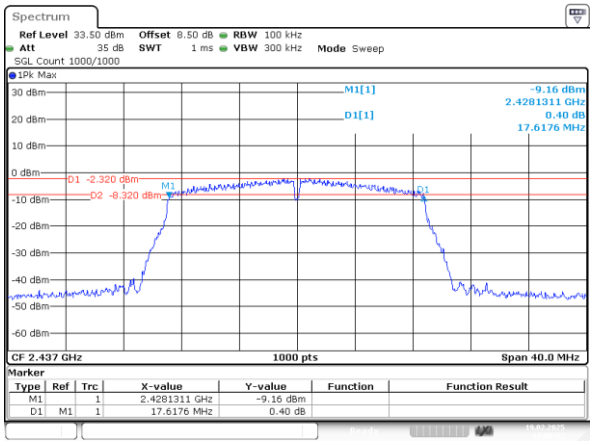
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:06:40

802.11n20_2412MHz_Chain 0



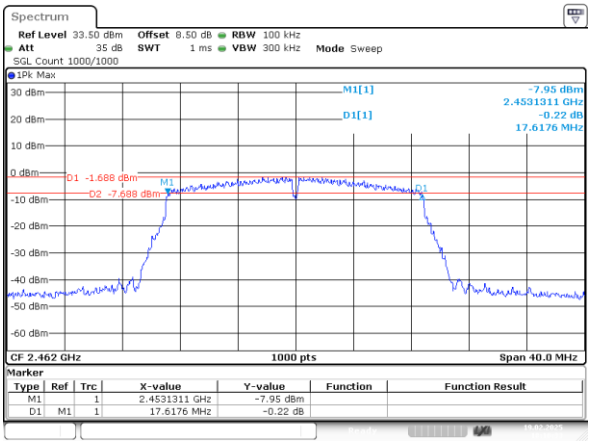
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 18:04:48

802.11n20_2437MHz_Chain 0



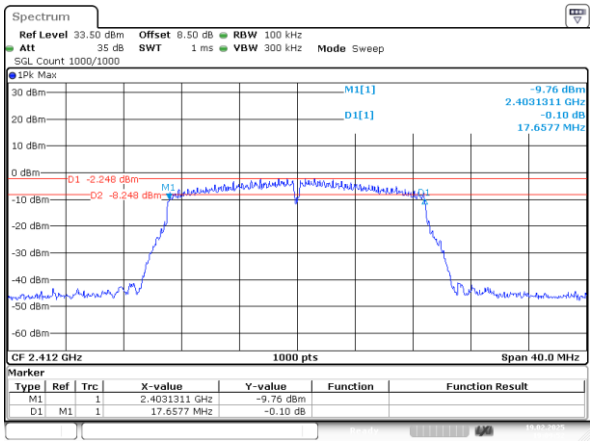
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 18:08:02

802.11n20_2462MHz_Chain 0



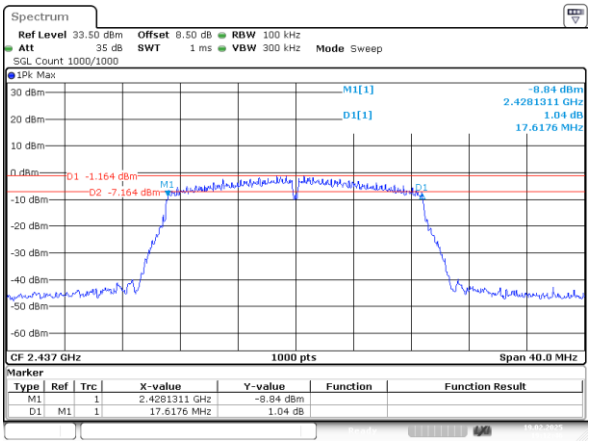
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 18:10:33

802.11n20_2412MHz_Chain 1



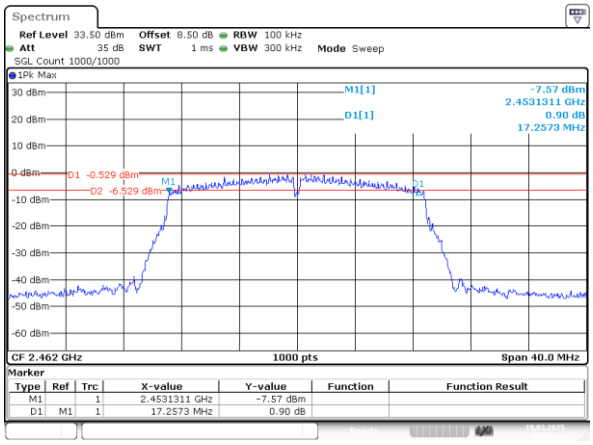
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:09:51

802.11n20_2437MHz_Chain 1



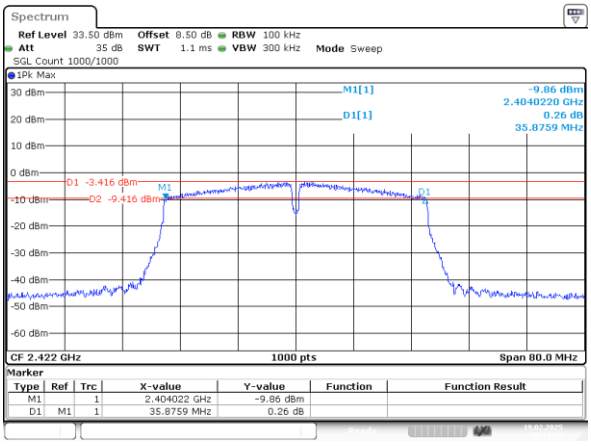
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:12:46

802.11n20_2462MHz_Chain 1



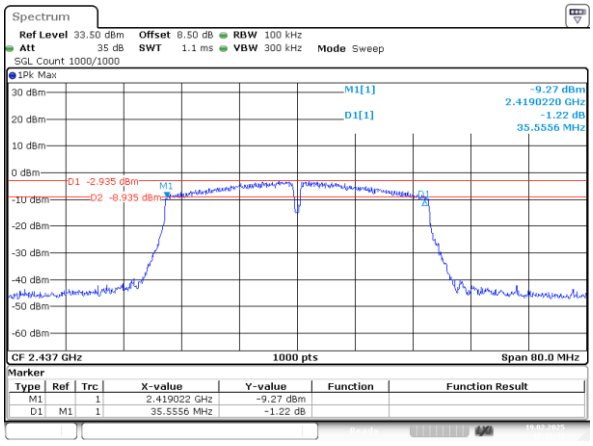
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:15:16

802.11n40_2422MHz_Chain 0



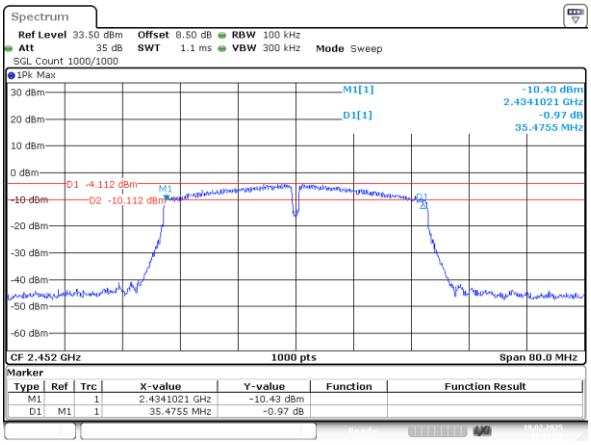
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 18:13:27

802.11n40_2437MHz_Chain 0



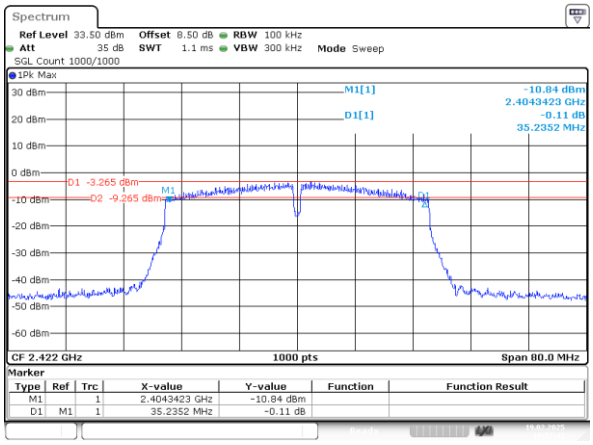
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 18:16:42

802.11n40_2452MHz_Chain 0



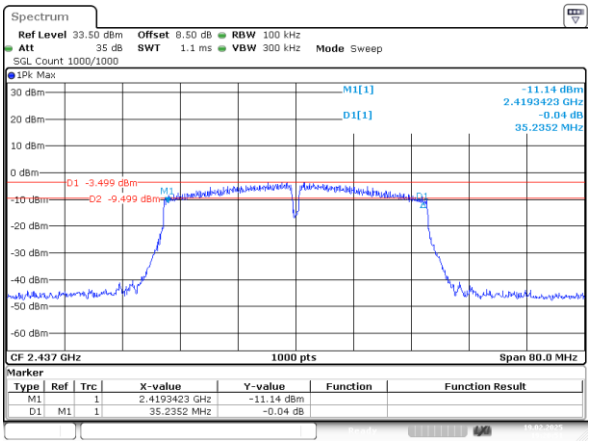
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 18:19:32

802.11n40_2422MHz_Chain 1



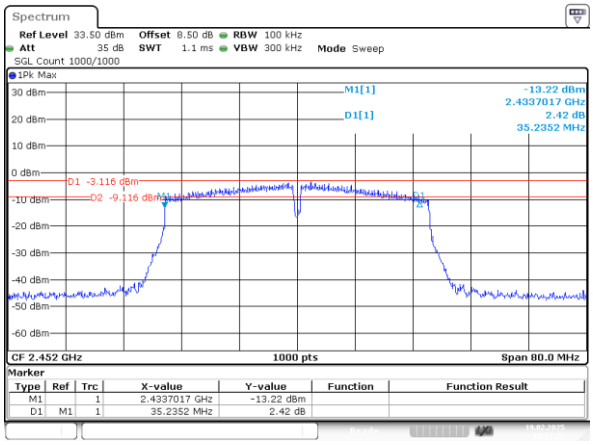
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:17:42

802.11n40_2437MHz_Chain 1



ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:20:51

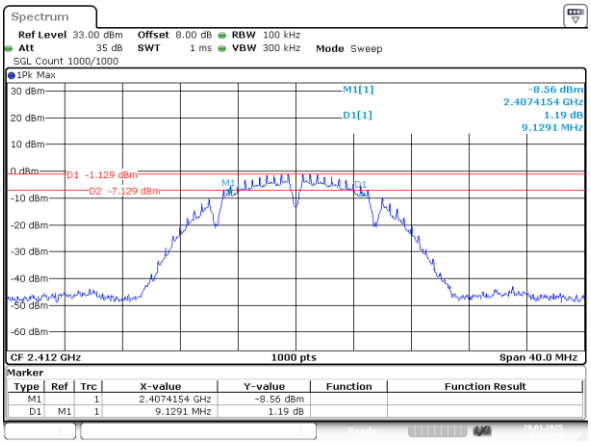
802.11n40_2452MHz_Chain 1



ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 19.FEB.2025 19:23:32

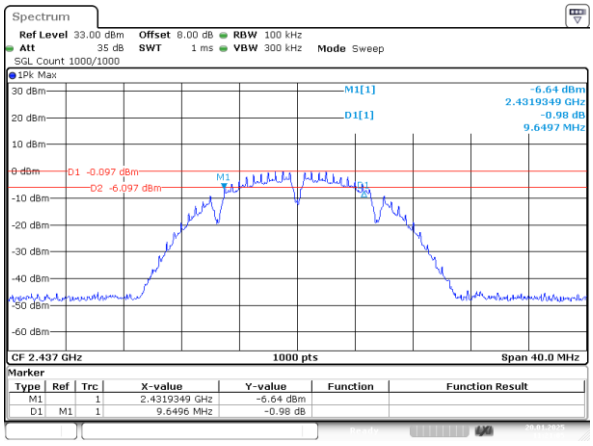
Module 2:

802.11b_2412MHz_Chain 0



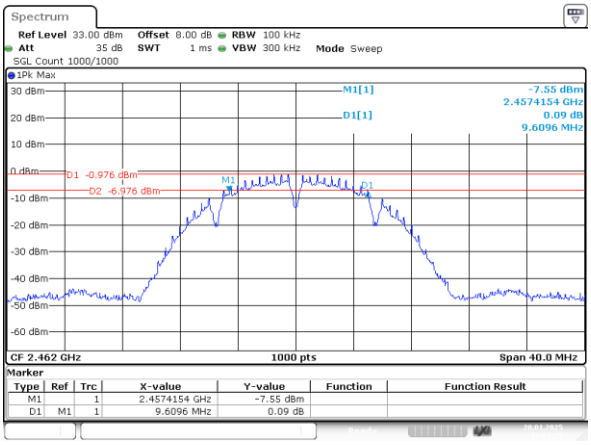
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:15:39

802.11b_2437MHz_Chain 0



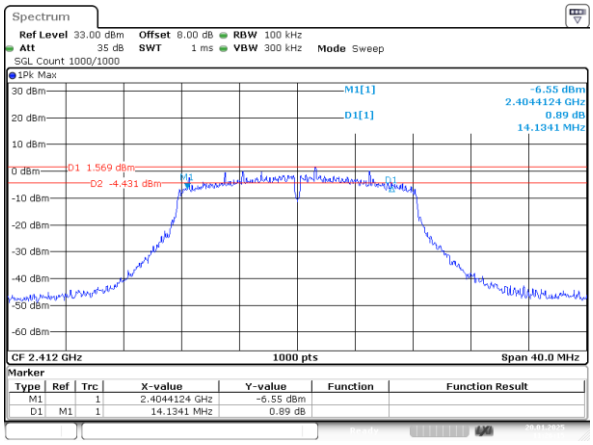
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:21:05

802.11b_2462MHz_Chain 0



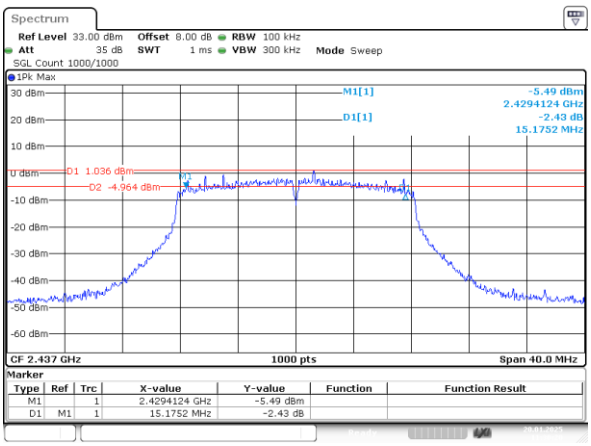
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:23:25

802.11g_2412MHz_Chain 0



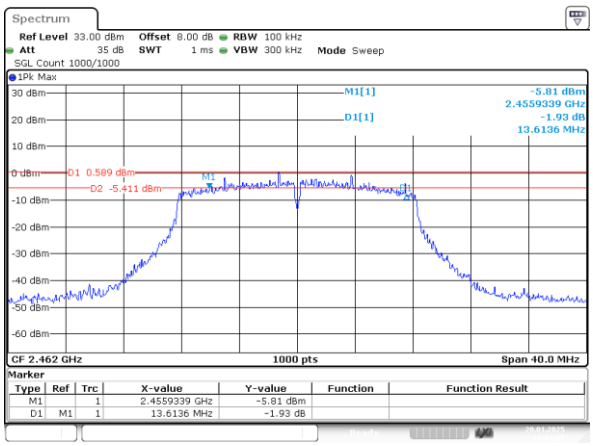
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:26:16

802.11g_2437MHz_Chain 0



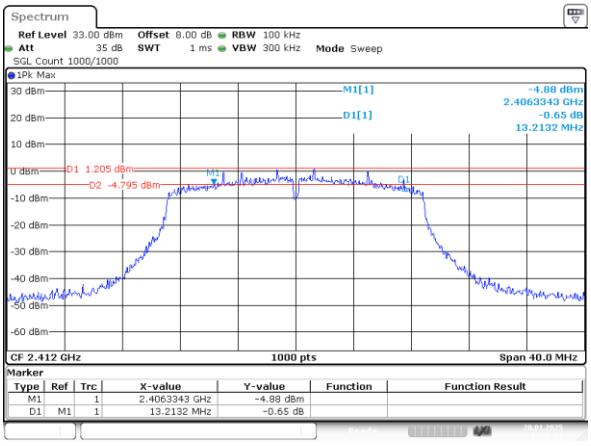
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:30:20

802.11g_2462MHz_Chain 0



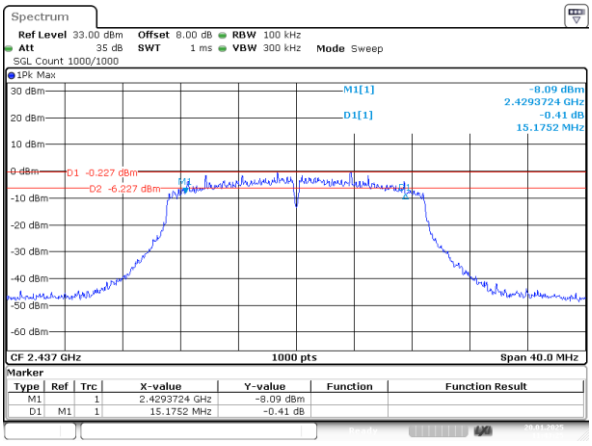
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:34:06

802.11n20_2412MHz_Chain 0



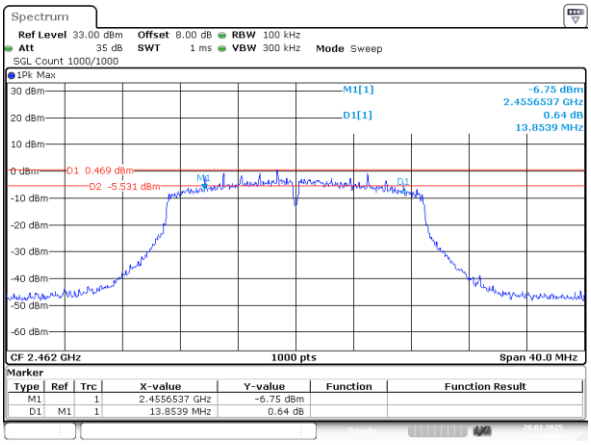
ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:36:32

802.11n20_2437MHz_Chain 0



ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:43:25

802.11n20_2462MHz_Chain 0

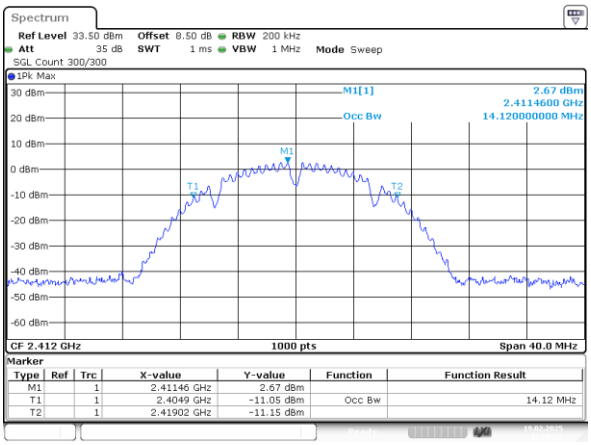


ProjectNo.:2405Z107557E-RF Tester:Ryan Zhang
Date: 20.JAN.2025 11:46:16

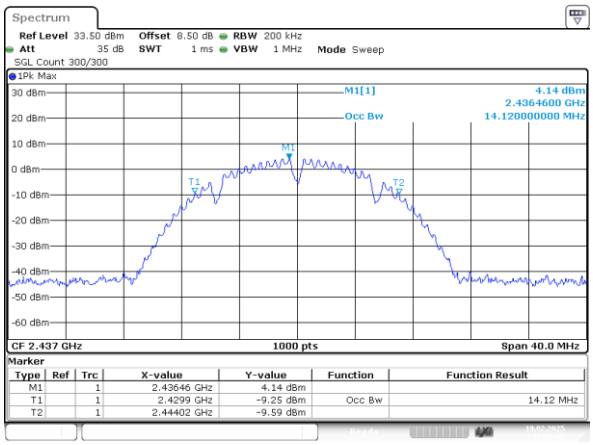
99% Occupied Bandwidth

Module 1:

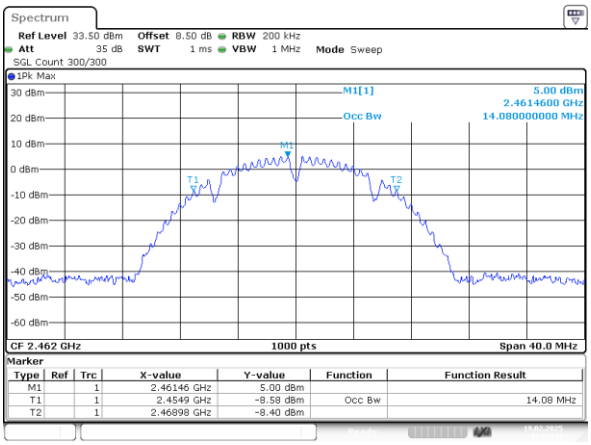
802.11b_2412MHz_Chain 0



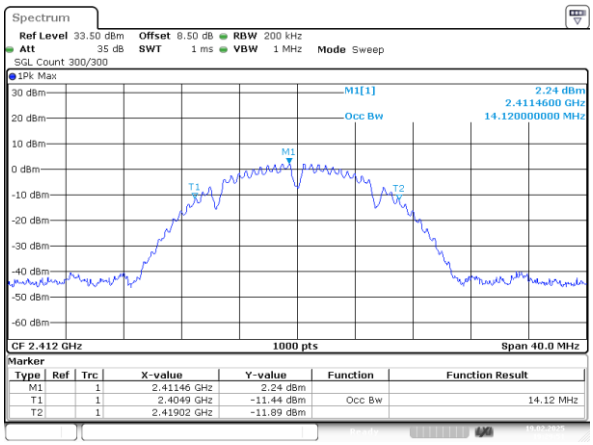
802.11b_2437MHz_Chain 0



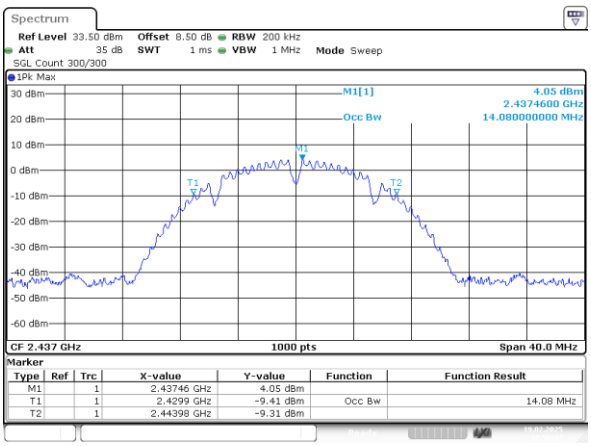
802.11b_2462MHz_Chain 0



802.11b_2412MHz_Chain 1



802.11b_2437MHz_Chain 1



802.11b_2462MHz_Chain 1