

Project No: TM-2601000305P
Report No.: TMWK2601000342KR

FCC ID: 2BPQQ-I9074L

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RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C

Test Standard : FCC Part 15.247
Product name : COREXOM
Brand Name : Coretronic Reality Inc.
Model No. : I9074L
Test Result : Pass
Statements of Conformity : Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10-2020 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc.(Wugu Laboratory)

Approved by:



Shawn Wu
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	March 25, 2026	Initial Issue	ALL	Allison Chen



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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	Coretronic Reality Inc. 15F., No 225, Sec.3, Beixin Rd., Xindian Dist., New Taipei City, 231 Taiwan
Manufacturer	Coretronic Reality Inc. No. 5, Wenhua Rd., Fengshan Vil., Hukou Township, Hsinchu County 303035, Taiwan (R.O.C.)
Equipment	COREXOM
Brand Name	Coretronic Reality Inc.
Model No.	I9074L
Model Discrepancy	N/A
Received Date	January 19, 2026
Date of Test	January 20 ~ February 17, 2026
Power Operation	Power from adapter. Brand / Model: LYD / LYD1202500B I/P: 100-240Vac, 0.68A, 50/60Hz O/P: 12Vdc, 2.5A
HW Version	MP
SW Version	2.0.0

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

1.2 EUT CHANNEL INFORMATION

Frequency Range	802.11b/g/n HT20 / ax HE20: 2412MHz ~ 2462MHz 802.11n HT40 / ax HE40: 2422MHz ~ 2452MHz
Modulation Type	1. IEEE 802.11b mode: CCK 2. IEEE 802.11g mode: OFDM 3. IEEE 802.11n HT20 mode: OFDM 4. IEEE 802.11n HT40 mode: OFDM 5. IEEE 802.11ax HE20 mode: OFDMA 6. IEEE 802.11ax HE40 mode: OFDMA
Number of channel	1. IEEE 802.11b mode: 11 Channels 2. IEEE 802.11g mode: 11 Channels 3. IEEE 802.11n HT20 mode: 11 Channels 4. IEEE 802.11n HT40 mode: 7 Channels 5. IEEE 802.11ax HE20 mode: 11 Channels 6. IEEE 802.11ax HE40 mode: 7 Channels

Remark:

Refer as ANSI C63.10-2020 for test channels.

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.3 ANTENNA INFORMATION

Antenna Type	Antenna-1: ☒ Dipole Antenna-2: ☒ PCB
Antenna Gain	Antenna-1: Model: ARS-NT5B Gain: 5 dBi $\pm$ 0.5 dBi Antenna-2: Model: CIR22-440330-V0 1-L65mm Gain: 2 dBi
Antenna Connector	IPEX

Notes:

1. The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.

1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	±2.37dB
Channel Bandwidth	±2.85dB
RF output power (Spectrum)	±2.74dB
RF output power (Power Meter + Power sensor)	±0.27dB
Power Spectral density	±2.74dB
Conducted Bandedge	±2.74dB
Conducted Spurious Emission	±2.74dB
Radiated Emission_9kHz-30MHz	± 2.750 dB
Radiated Emission_30MHz-200MHz	± 3.874 dB
Radiated Emission_200MHz-1GHz	± 4.065 dB
Radiated Emission_1GHz-6GHz	± 5.594 dB
Radiated Emission_6GHz-18GHz	± 5.556 dB
Radiated Emission_18GHz-26GHz	± 3.165 dB
Radiated Emission_26GHz-40GHz	± 3.216 dB

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	Tony Chao	-
Radiation	Ben Yang	-
RF Conducted	David Li	-

Remark: The lab has been recognized as the FCC accredited lab. under the KDB 974614 D01 and is listed in the FCC pubic Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309



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1.6 INSTRUMENT CALIBRATION

Conducted_FCC/IC/NCC (All)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
PXA Signal Analyzer	Keysight	N9030B	MY62291089	2025-09-24	2026-09-23
Power Sensor	Anritsu	MA2411B	1911387	2025-08-21	2026-08-20
Power Sensor	Anritsu	MA2411B	1911386	2025-07-07	2026-07-06
Power Meter	Anritsu	ML2496A	2136002	2025-07-07	2026-07-06
DC Blocks	Marvelous Microwave	MVE6411	MVE-001	2025-08-06	2026-08-05
Attenuator	Marvelous Microwave Inc	MVE2213-10	08	2025-11-06	2026-11-05
Software	Radio Test Software Ver. 21				

AC Mains Conduction					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	100064	2025-06-02	2026-06-01
LISN	SCHAFFNER	NNB 41	03/10013	2025-02-24	2026-02-23
Cable	Woken	RFC-SMA-100-NMR-084SFL402	MFR-2Y194	2025-03-21	2026-03-20
Software	e3 V9-210616c				

Remark:

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.



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966A_Radiated					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	KEYSIGHT	N9010A	MY52220817	2025-03-05	2026-03-04
Active Loop Antenna	SCHWARZBEC K	FMZB 1513-60	1513-60-037	2025-12-16	2026-12-15
Active Loop Antenna	COM-POWER	AL-130	121051	2025-02-18	2026-02-17
Thermo-Hygro Meter	HTC	HTC-1	HTC-D06	2025-05-26	2026-05-25
Bi-Log Antenna	Sunol Sciences	JB3	A030105&532	2025-06-26	2026-06-25
Preamplifier	EMEC	EM330	060609	2025-02-20	2026-02-19
Cable	Huber+Suhner	104PEA	20995+21000+182330	2025-08-06	2026-08-05
Horn Antenna	ETC	MCTD	DRH13M02003	2025-12-19	2026-12-18
Preamplifier	HP	8449B	3008A00965	2025-12-17	2026-12-16
Cable	EMCI	EMC101G	1508S0193+230206+250412	2026-01-14	2027-01-13
Attenuator	Mini-Circuits	BW-S9W5	BWS9W5-09-966A-01	2025-02-06 2026-02-05	2026-02-05 2027-02-04
High Pass Filters	Titan Microwave	T04H30001800070S01	22011402-4	2025-06-03	2026-06-02
Pre-Amplifier	EMC	EMC184045SE	980860	2025-11-19	2026-11-18
Horn Antenna	SCHWARZBEC K	BBHA9170	1047	2025-12-09	2026-12-08
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 V9-210616c				

Remark:

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.



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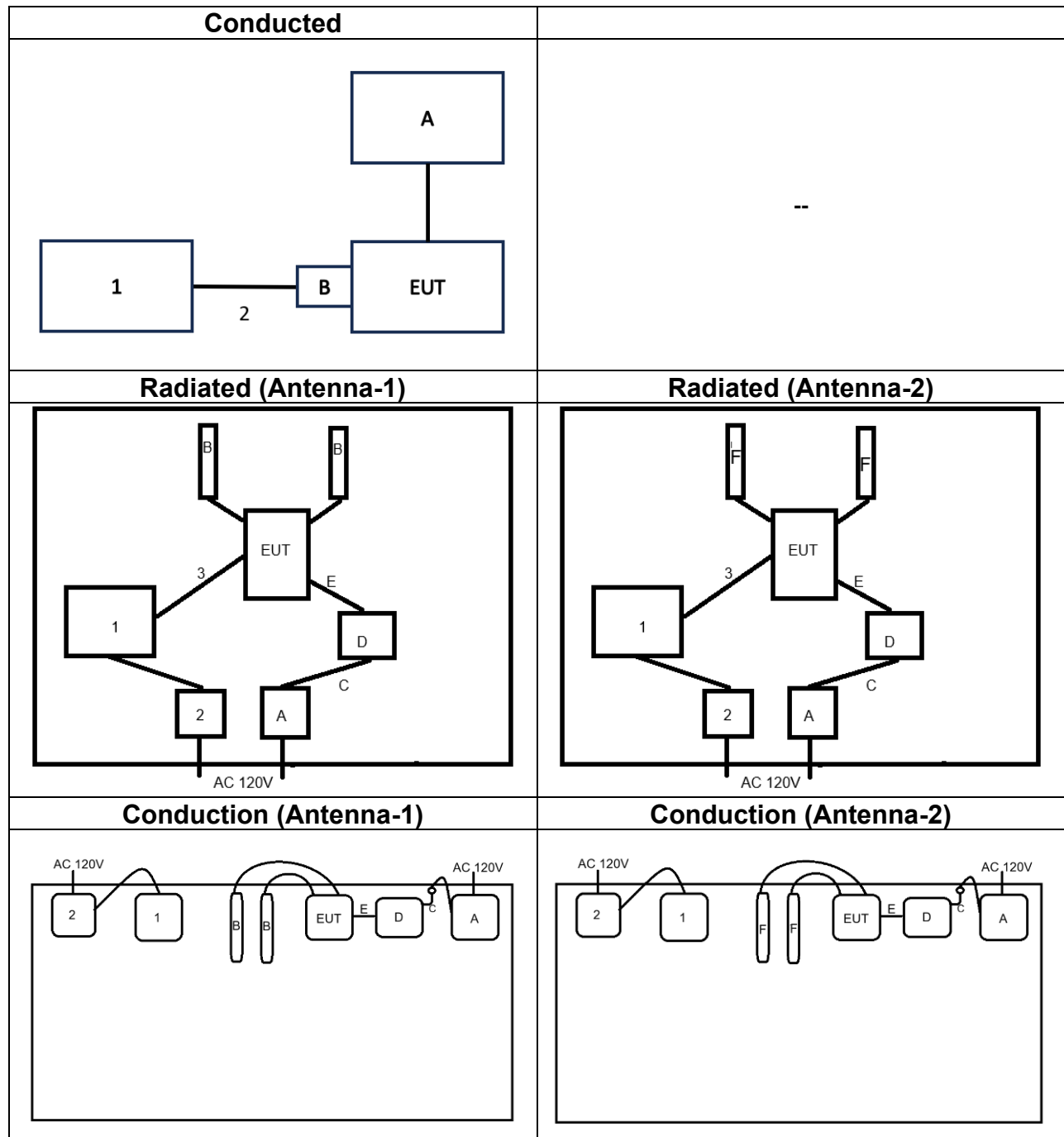
1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

Support Equipment (Conducted)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(L)	Lenovo	ThinkPad X260	N/A	N/A
2	USB-A to Type-C	Xiaomi	SJX10ZM	N/A	N/A
A	Adapter	LYD	LYD1202500B	N/A	N/A
B	Test Module	N/A	N/A	N/A	N/A

Support Equipment (RSE & Conduction)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB	Lenovo	ThinkPad X260	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A
3	Type C Cable	Xiaomi	SJX10ZM	N/A	N/A
A	Adapter	LYD	LYD1202500B	N/A	N/A
B	Antenna-1 (EUT)	N/A	N/A	N/A	N/A
C	DC Cable	N/A	N/A	N/A	N/A
D	Test Board	N/A	N/A	N/A	N/A
E	Test Board Cable	N/A	N/A	N/A	N/A
F	Antenna-2 (EUT)	N/A	N/A	N/A	N/A

1.8 TEST SET UP DIAGRAM





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1.9 TEST PROGRAM

This EUT uses "QCN9074" software to set the frequency, modulation, and power to allow the sample to continuously transmit.

QCN9074 v5.0.00202

1.10 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10-2020, FCC Part 2, FCC Part 15.247, KDB 558074.



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2. TEST SUMMARY

FCC Standard Section	Report Section	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.207(a)	4.1	AC Conducted Emission	Pass
15.247(a)(2)	4.2	6 dB Bandwidth	Pass
-	4.2	Occupied Bandwidth (99%)	Pass
15.247(b)(3)	4.3	Output Power Measurement	Pass
15.247(e)	4.4	Power Spectral Density	Pass
15.247(d)	4.5	Conducted Band Edge	Pass
15.247(d)	4.5	Conducted Emission	Pass
15.247(d) 15.205, 15.209	4.6	Radiation Band Edge	Pass
15.247(d) 15.205, 15.209	4.6	Radiation Spurious Emission	Pass

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	IEEE 802.11b mode :1Mbps IEEE 802.11g mode :6Mbps IEEE 802.11n HT20 mode :MCS0 IEEE 802.11n HT40 mode :MCS0 IEEE 802.11ax HE20 mode :MCS0 IEEE 802.11ax HE40 mode :MCS0
Test Channel Frequencies	IEEE 802.11b/g/n HT20 mode: 1. Lowest Channel : 2412MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2462MHz IEEE 802.11n HT40 mode: 1. Lowest Channel : 2422MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2452MHz IEEE 802.11ax HE20 mode: 1. Lowest Channel : 2412MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2462MHz IEEE 802.11ax HE40 mode: 1. Lowest Channel : 2422MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2452MHz
Operation Transmitter	IEEE 802.11b mode :2T2R IEEE 802.11g mode : 2T2R IEEE 802.11n HT20 mode : 2T2R IEEE 802.11n HT40 mode : 2T2R IEEE 802.11ax HE20 mode : 2T2R IEEE 802.11ax HE40 mode : 2T2R

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.
2. Based on FCC Part 15.31(m), the laboratory conducts a comprehensive evaluation of ch low, ch middle, and ch high. Other additional channels only evaluate the radiated restricted bands of operation and powers.

3.2 THE WORST MODE OF MEASUREMENT

AC Power Line Conduction Emission	
Test Condition	AC Power line conduction emission for line and neutral
Power supply Mode	Mode 1: EUT power by Adapter(Antenna-1) Mode 2: EUT power by Adapter(Antenna-2)
Worst Mode	☒ Mode 1 ☒ Mode 2 ☐ Mode 3 ☐ Mode 4

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by Adapter(Antenna-1) Mode 2: EUT power by Adapter(Antenna-2)
Worst Mode	☒ Mode 1 ☒ Mode 2 ☐ Mode 3 ☐ Mode 4
Worst Position	☐ Placed in fixed position. ☐ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☒ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Adapter(Antenna-1) Mode 2: EUT power by Adapter(Antenna-2)
Worst Mode	☒ Mode 1 ☒ Mode 2 ☐ Mode 3 ☐ Mode 4

Remark:

1. The worst mode was record in this test report.
2. AC power line conducted emission were performed the EUT transmit at the highest output power channel as worse case.
3. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Z-Plane) were recorded in this report



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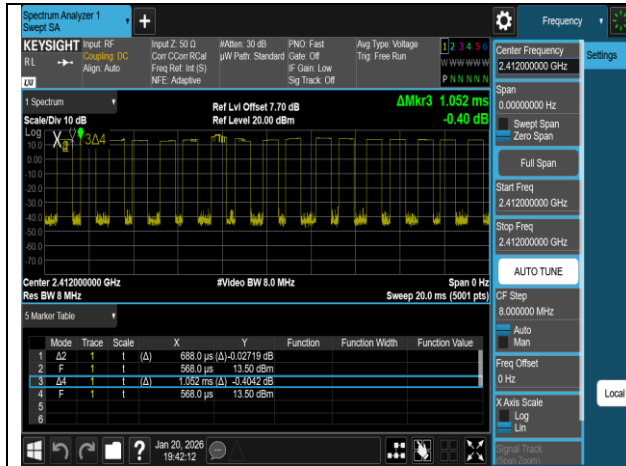
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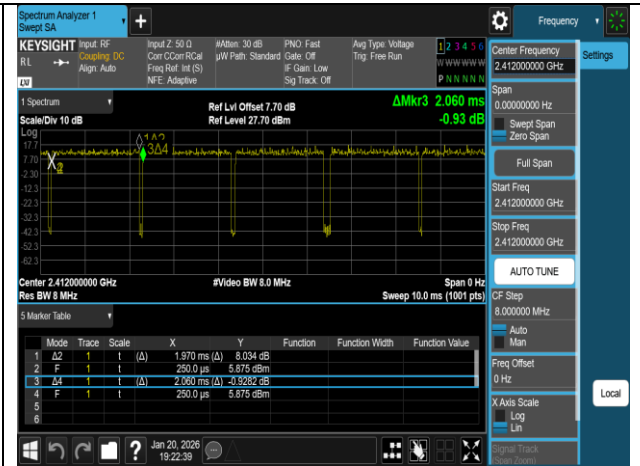
3.3 EUT DUTY CYCLE

Temperature: 21.5~25.5°C **Test date:** January 20~February 17, 2026
Humidity: 50~62%RH **Tested by:** David Li

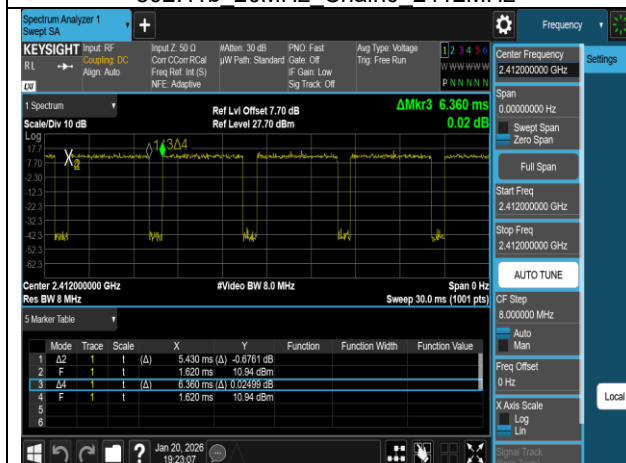
Mode	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11b	65.40	1.84	1.45	2.00
802.11g	95.63	0.19	0.51	1.00
802.11n_20	85.38	0.69	0.18	1.00
802.11n_40	84.58	0.73	0.18	1.00
802.11ax_20_SU	85.38	0.69	0.18	1.00
802.11ax_40_SU	84.58	0.73	0.18	1.00



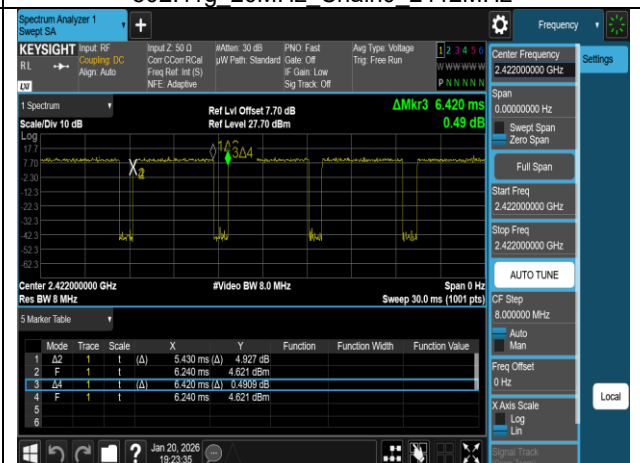
802.11b 20MHz Chain0 2412MHz



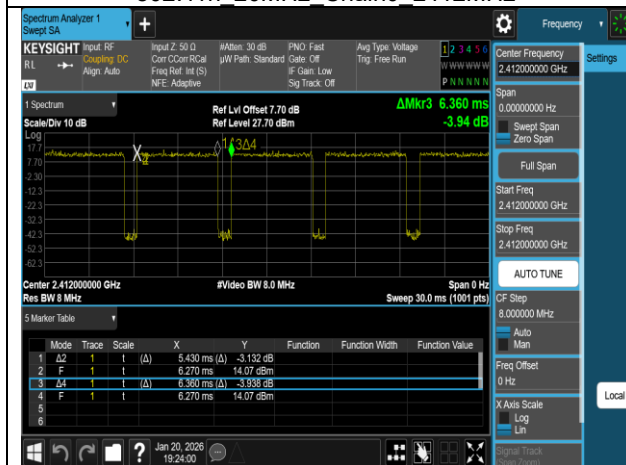
802.11g 20MHz Chain0 2412MHz



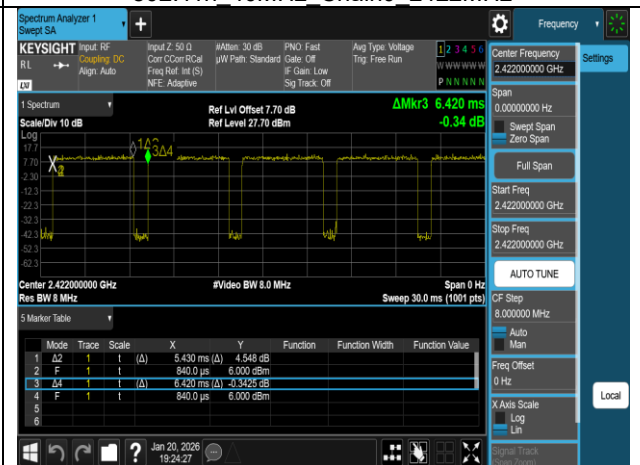
802.11n 20MHz Chain0 2412MHz



802.11n 40MHz Chain0 2422MHz



802.11ax 20MHz Chain0 2412MHz



802.11ax 40MHz Chain0 2422MHz

4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a)(2),

Frequency Range (MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

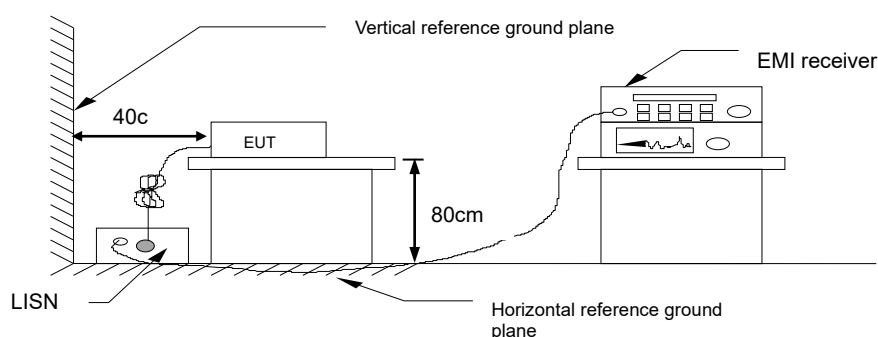
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10-2020,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

4.1.3 Test Setup

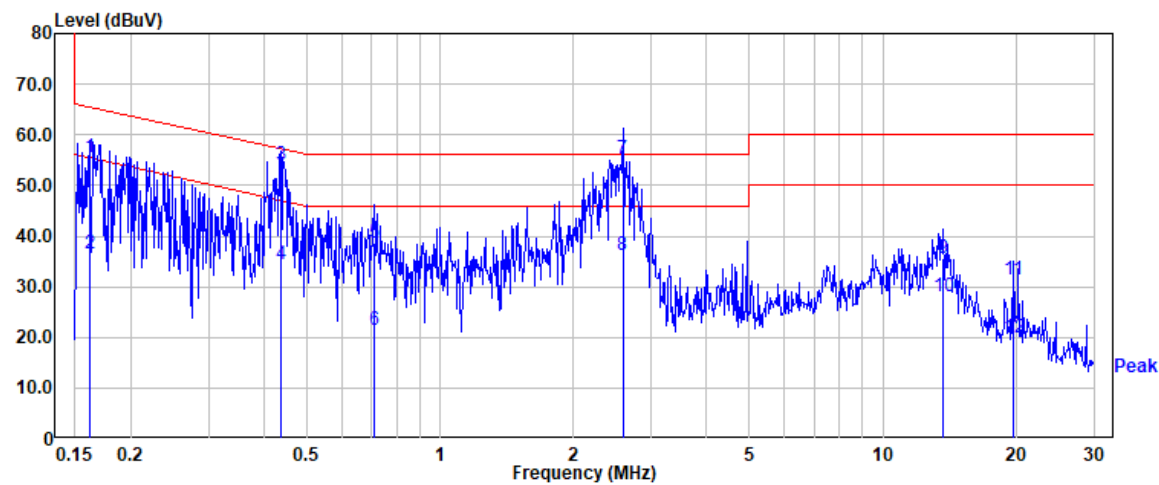


4.1.4 Test Result

1. Antenna-1

Project No : TM-2601000305P
Operation Band : 2.4G
Test Chamber : Conduction
Probe : Line
Note : Dipole

Test Date : 2026-02-04
Temp./Humi. : 25°C / 65%
Engineer : Tony.Chao
Test Voltage : AC 120V/60Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.162	45.40	10.16	55.56	65.38	-9.82	QP
0.162	26.34	10.16	36.50	55.38	-18.88	Average
0.437	43.96	10.16	54.12	57.12	-3.00	QP
0.437	24.12	10.16	34.28	47.12	-12.84	Average
0.709	28.61	10.18	38.79	56.00	-17.21	QP
0.709	11.22	10.18	21.40	46.00	-24.60	Average
2.588	44.96	10.21	55.17	56.00	-0.83	QP
2.588	26.03	10.21	36.24	46.00	-9.76	Average
13.678	25.34	10.26	35.60	60.00	-24.40	QP
13.678	17.94	10.26	28.20	50.00	-21.80	Average
19.706	21.18	10.24	31.42	60.00	-28.58	QP
19.706	9.72	10.24	19.96	50.00	-30.04	Average

Note: 1. Actual FS= Spectrum Read Level + Factor
Note: 2. Margin= Actual FS – Limit



Project No : TM-2601000305P

Operation Band : 2.4G

Test Chamber : Conduction

Probe : Neutral

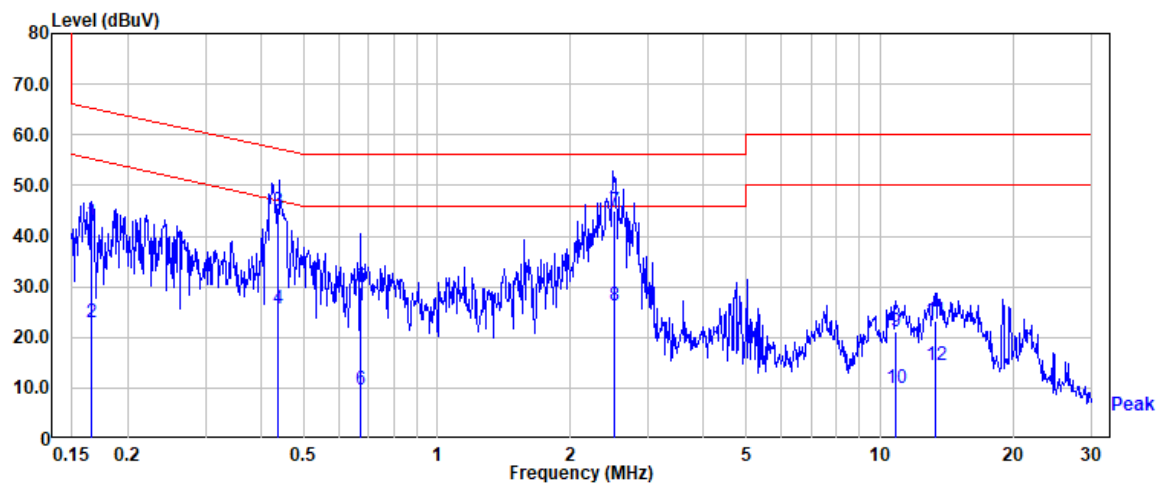
Note : Dipole

Test Date : 2026-02-04

Temp./Humi. : 25°C / 65%

Engineer : Tony.Chao

Test Voltage : AC 120V/60Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.166	42.51	0.10	42.61	65.15	-22.54	QP
0.166	22.81	0.10	22.91	55.15	-32.24	Average
0.439	44.85	0.08	44.93	57.07	-12.14	QP
0.439	25.66	0.08	25.74	47.07	-21.33	Average
0.674	29.70	0.09	29.79	56.00	-26.21	QP
0.674	9.54	0.09	9.63	46.00	-36.37	Average
2.511	44.92	0.14	45.06	56.00	-10.94	QP
2.511	26.10	0.14	26.24	46.00	-19.76	Average
10.875	21.03	0.25	21.28	60.00	-38.72	QP
10.875	9.79	0.25	10.04	50.00	-39.96	Average
13.323	23.06	0.28	23.34	60.00	-36.66	QP
13.323	14.28	0.28	14.56	50.00	-35.44	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit



Project No : TM-2601000305P

Operation Band : 2.4G

Test Chamber : Conduction

Probe : Line

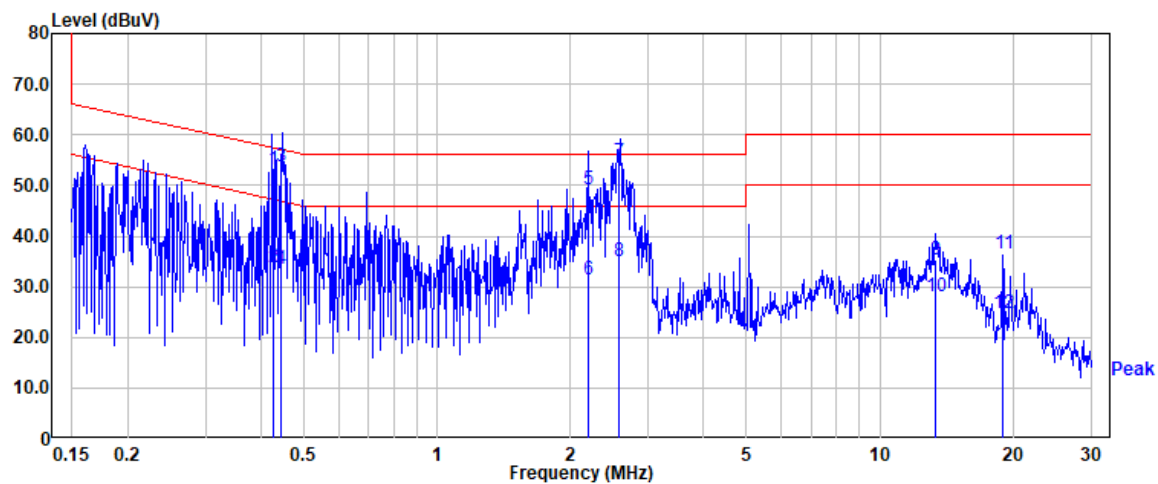
Note : Dipole

Test Date : 2026-02-04

Temp./Humi. : 25°C / 65%

Engineer : Tony.Chao

Test Voltage : AC 230V/50Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.427	42.91	10.16	53.07	57.31	-4.24	QP
0.427	23.72	10.16	33.88	47.31	-13.43	Average
0.445	43.50	10.16	53.66	56.97	-3.31	QP
0.445	23.39	10.16	33.55	46.97	-13.42	Average
2.198	38.91	10.21	49.12	56.00	-6.88	QP
2.198	21.14	10.21	31.35	46.00	-14.65	Average
2.584	44.39	10.21	54.60	56.00	-1.40	QP
2.584	24.82	10.21	35.03	46.00	-10.97	Average
13.330	24.97	10.27	35.24	60.00	-24.76	QP
13.330	17.88	10.27	28.15	50.00	-21.85	Average
19.024	26.15	10.25	36.40	60.00	-23.60	QP
19.024	14.51	10.25	24.76	50.00	-25.24	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit



Project No : TM-2601000305P

Operation Band : 2.4G

Test Chamber : Conduction

Probe : Neutral

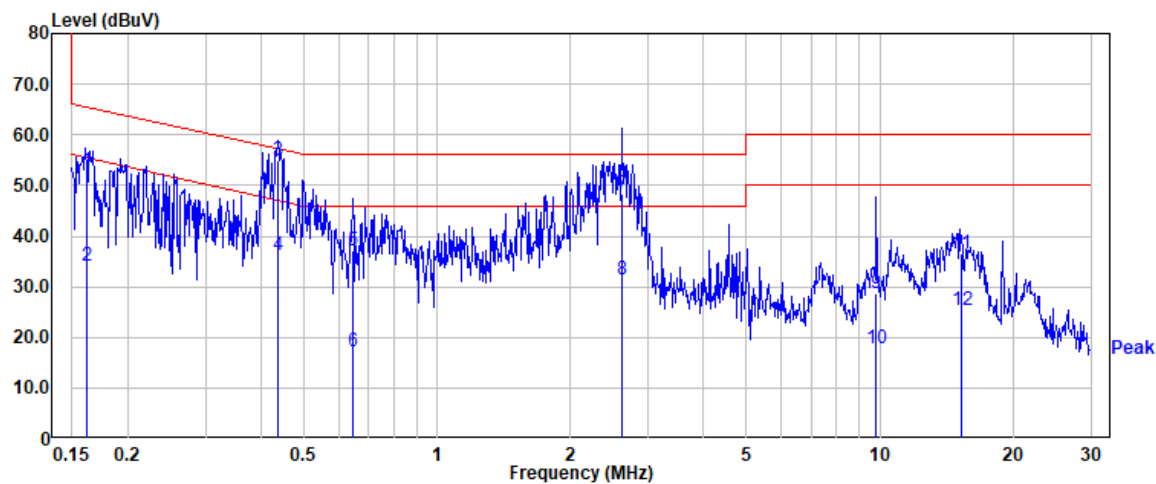
Note : Dipole

Test Date : 2026-02-04

Temp./Humi. : 25°C / 65%

Engineer : Tony.Chao

Test Voltage : AC 230V/50Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.162	42.61	10.16	52.77	65.38	-12.61	QP
0.162	23.82	10.16	33.98	55.38	-21.40	Average
0.438	44.80	10.16	54.96	57.10	-2.14	QP
0.438	25.92	10.16	36.08	47.10	-11.02	Average
0.647	26.82	10.17	36.99	56.00	-19.01	QP
0.647	7.03	10.17	17.20	46.00	-28.80	Average
2.621	37.98	10.21	48.19	56.00	-7.81	QP
2.621	21.10	10.21	31.31	46.00	-14.69	Average
9.787	18.35	10.29	28.64	60.00	-31.36	QP
9.787	7.59	10.29	17.88	50.00	-32.12	Average
15.269	26.22	10.31	36.53	60.00	-23.47	QP
15.269	15.12	10.31	25.43	50.00	-24.57	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit



2. Antenna-2

Project No : TM-2601000305P

Operation Band : 2.4G

Test Chamber : Conduction

Probe : Line

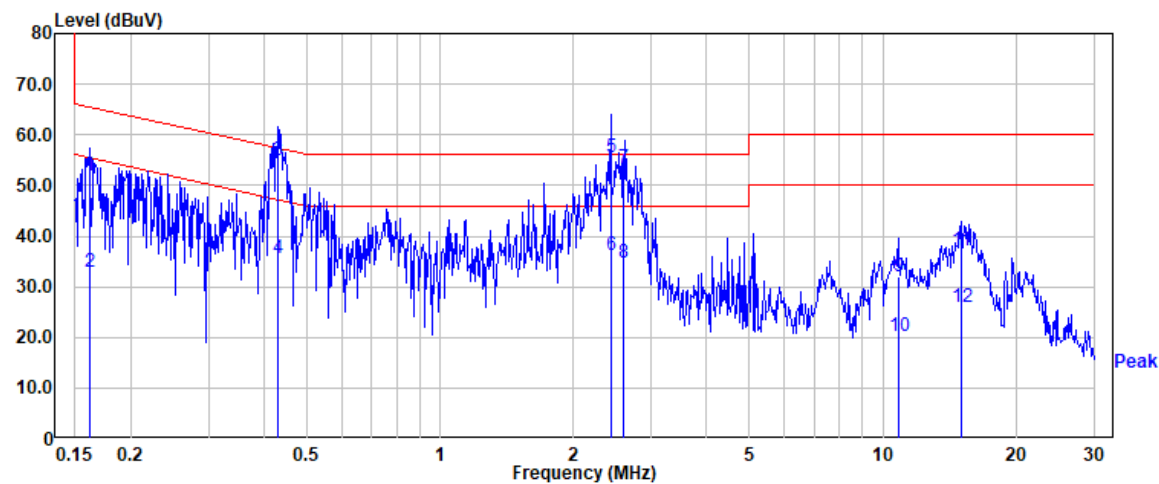
Note : PCB

Test Date : 2026-02-04

Temp./Humi. : 25°C / 65%

Engineer : Tony.Chao

Test Voltage : AC 120V/60Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.162	41.82	10.16	51.98	65.35	-13.37	QP
0.162	22.63	10.16	32.79	55.35	-22.56	Average
0.432	44.90	10.16	55.06	57.22	-2.16	QP
0.432	25.38	10.16	35.54	47.22	-11.68	Average
2.430	45.41	10.21	55.62	56.00	-0.38	QP
2.430	26.13	10.21	36.34	46.00	-9.66	Average
2.604	43.15	10.21	53.36	56.00	-2.64	QP
2.604	24.50	10.21	34.71	46.00	-11.29	Average
10.860	21.62	10.27	31.89	60.00	-28.11	QP
10.860	9.87	10.27	20.14	50.00	-29.86	Average
15.075	26.75	10.26	37.01	60.00	-22.99	QP
15.075	15.63	10.26	25.89	50.00	-24.11	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit



Project No : TM-2601000305P

Operation Band : 2.4G

Test Chamber : Conduction

Probe : Neutral

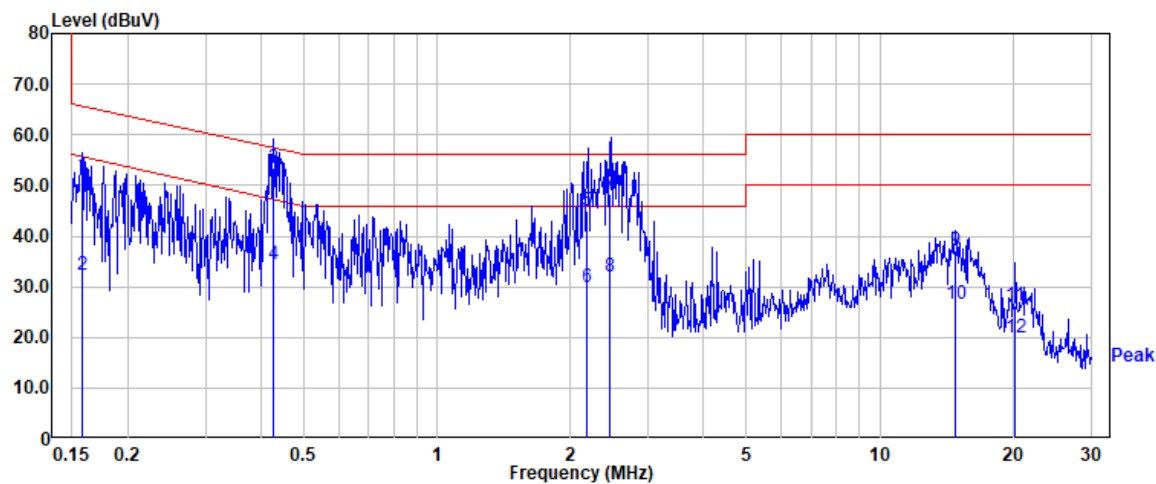
Note : PCB

Test Date : 2026-02-04

Temp./Humi. : 25°C / 65%

Engineer : Tony.Chao

Test Voltage : AC 120V/60Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.158	41.66	10.16	51.82	65.55	-13.73	QP
0.158	22.16	10.16	32.32	55.55	-23.23	Average
0.428	43.36	10.16	53.52	57.29	-3.77	QP
0.428	24.24	10.16	34.40	47.29	-12.89	Average
2.187	34.86	10.20	45.06	56.00	-10.94	QP
2.187	19.82	10.20	30.02	46.00	-15.98	Average
2.466	37.97	10.20	48.17	56.00	-7.83	QP
2.466	21.69	10.20	31.89	46.00	-14.11	Average
14.825	26.70	10.31	37.01	60.00	-22.99	QP
14.825	16.35	10.31	26.66	50.00	-23.34	Average
20.224	16.06	10.32	26.38	60.00	-33.62	QP
20.224	9.60	10.32	19.92	50.00	-30.08	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit



Project No : TM-2601000305P

Operation Band : 2.4G

Test Chamber : Conduction

Probe : Line

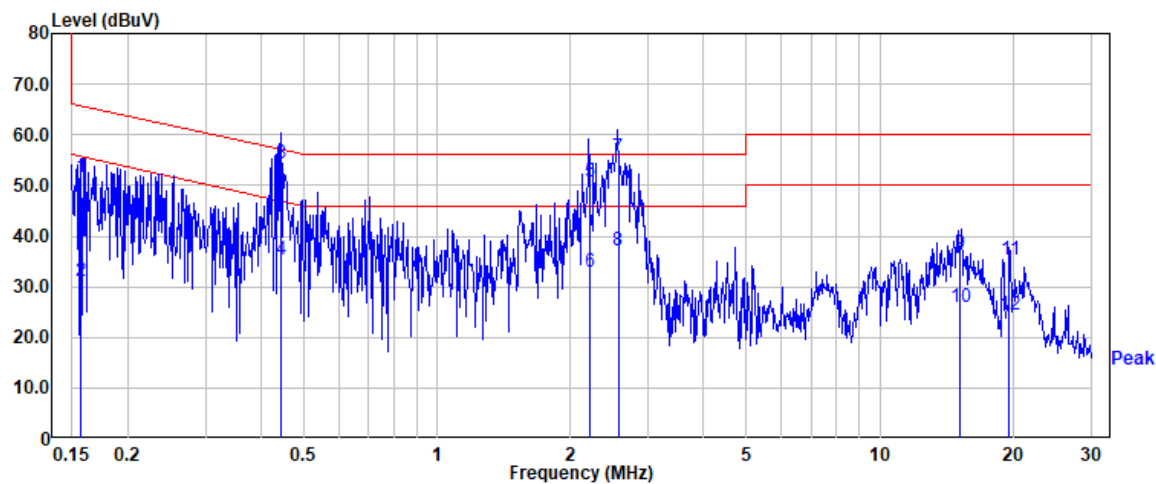
Note : PCB

Test Date : 2026-02-04

Temp./Humi. : 25°C / 65%

Engineer : Tony.Chao

Test Voltage : AC 230V/50Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.157	41.38	10.16	51.54	65.64	-14.10	QP
0.157	21.08	10.16	31.24	55.64	-24.40	Average
0.444	44.23	10.16	54.39	56.99	-2.60	QP
0.444	25.07	10.16	35.23	46.99	-11.76	Average
2.209	40.57	10.21	50.78	56.00	-5.22	QP
2.209	22.62	10.21	32.83	46.00	-13.17	Average
2.568	45.40	10.21	55.61	56.00	-0.39	QP
2.568	26.97	10.21	37.18	46.00	-8.82	Average
15.234	26.41	10.26	36.67	60.00	-23.33	QP
15.234	15.75	10.26	26.01	50.00	-23.99	Average
19.624	25.04	10.24	35.28	60.00	-24.72	QP
19.624	14.24	10.24	24.48	50.00	-25.52	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit



Project No : TM-2601000305P

Operation Band : 2.4G

Test Chamber : Conduction

Probe : Neutral

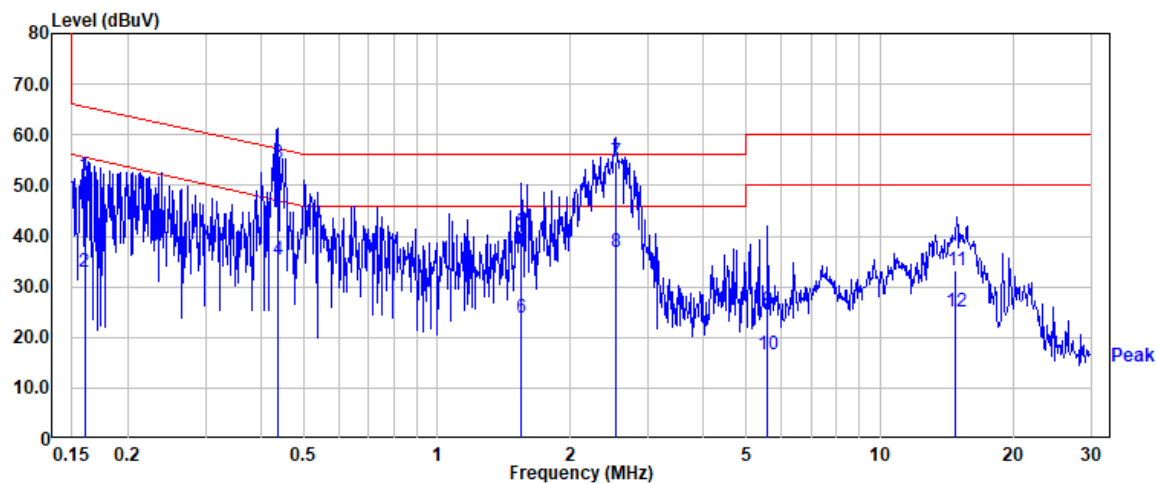
Note : PCB

Test Date : 2026-02-04

Temp./Humi. : 25°C / 65%

Engineer : Tony.Chao

Test Voltage : AC 230V/50Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.160	41.79	10.16	51.95	65.46	-13.51	QP
0.160	22.86	10.16	33.02	55.46	-22.44	Average
0.437	44.13	10.16	54.29	57.12	-2.83	QP
0.437	25.16	10.16	35.32	47.12	-11.80	Average
1.552	30.67	10.19	40.86	56.00	-15.14	QP
1.552	13.60	10.19	23.79	46.00	-22.21	Average
2.538	44.33	10.21	54.54	56.00	-1.46	QP
2.538	26.50	10.21	36.71	46.00	-9.29	Average
5.581	15.23	10.24	25.47	60.00	-34.53	QP
5.581	6.39	10.24	16.63	50.00	-33.37	Average
14.875	22.86	10.31	33.17	60.00	-26.83	QP
14.875	14.67	10.31	24.98	50.00	-25.02	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit



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4.2 6dB BANDWIDTH AND OCCUPIED BANDWIDTH (99%)

4.2.1 Test Limit

According to §15.247(a)(2),

6 dB Bandwidth :

Limit	Shall be at least 500kHz
-------	--------------------------

Occupied Bandwidth(99%) : For reporting purposes only.

4.2.2 Test Procedure

Test method Refer as KDB 558074 D01 and ANSI C63.10-2020,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 100kHz, VBW = 300kHz and Detector = Peak, to measurement 6 dB Bandwidth.
4. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth
5. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

4.2.3 Test Setup

Refer to section 1.8.



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4.2.4 Test Result

Temperature: 21.5~25.5°C Test date: January 20~February 17, 2026
Humidity: 50~62%RH Tested by: David Li

6dB BANDWIDTH & BANDWIDTH 99%

802.11b_Ch0

Freq. (MHz)	99% BW (MHz)	6dB BW (kHz)	6dB BW Limit (kHz)	Result
2412	13.044	8200	≥ 500	PASS
2437	12.940	8195	≥ 500	PASS
2462	13.043	8204	≥ 500	PASS

802.11b_Ch1

Freq. (MHz)	99% BW (MHz)	6dB BW (kHz)	6dB BW Limit (kHz)	Result
2412	13.076	8203	≥ 500	PASS
2437	13.020	8200	≥ 500	PASS
2462	13.023	8200	≥ 500	PASS

802.11g_Ch0

Freq. (MHz)	99% BW (MHz)	6dB BW (kHz)	6dB BW Limit (kHz)	Result
2412	16.671	16480	≥ 500	PASS
2437	16.649	16500	≥ 500	PASS
2462	16.681	16490	≥ 500	PASS

802.11g_Ch1

Freq. (MHz)	99% BW (MHz)	6dB BW (kHz)	6dB BW Limit (kHz)	Result
2412	16.608	16540	≥ 500	PASS
2437	16.605	16530	≥ 500	PASS
2462	16.599	16500	≥ 500	PASS

802.11ax_HE20_SU_Ch0

Freq. (MHz)	99% BW (MHz)	6dB BW (kHz)	6dB BW Limit (kHz)	Result
2412	19.131	19130	≥ 500	PASS
2437	19.137	19150	≥ 500	PASS
2462	19.136	19180	≥ 500	PASS

802.11ax_HE20_SU_Ch1

Freq. (MHz)	99% BW (MHz)	6dB BW (kHz)	6dB BW Limit (kHz)	Result
2412	19.119	19110	≥ 500	PASS
2437	19.114	19140	≥ 500	PASS
2462	19.098	19100	≥ 500	PASS

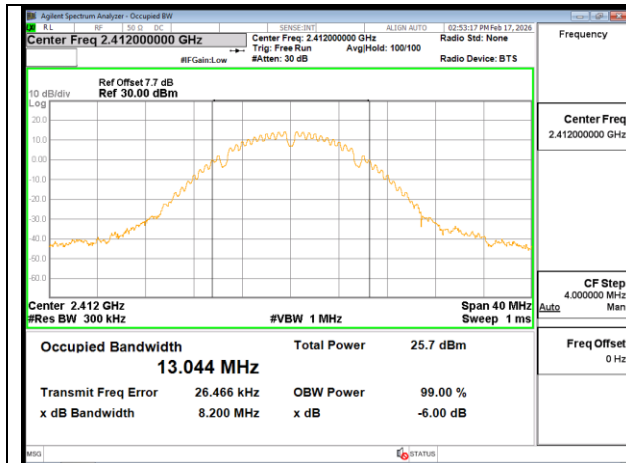
802.11ax_HE40_SU_Ch0

Freq. (MHz)	99% BW (MHz)	6dB BW (kHz)	6dB BW Limit (kHz)	Result
2422	37.692	38010	≥ 500	PASS
2437	37.624	37950	≥ 500	PASS
2452	37.639	37870	≥ 500	PASS

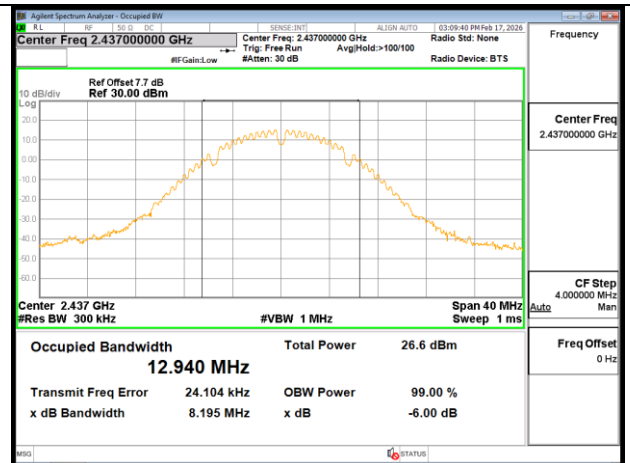
802.11ax_HE40_SU_Ch1

Freq. (MHz)	99% BW (MHz)	6dB BW (kHz)	6dB BW Limit (kHz)	Result
2422	37.639	37830	≥ 500	PASS
2437	37.663	37960	≥ 500	PASS
2452	37.630	37850	≥ 500	PASS

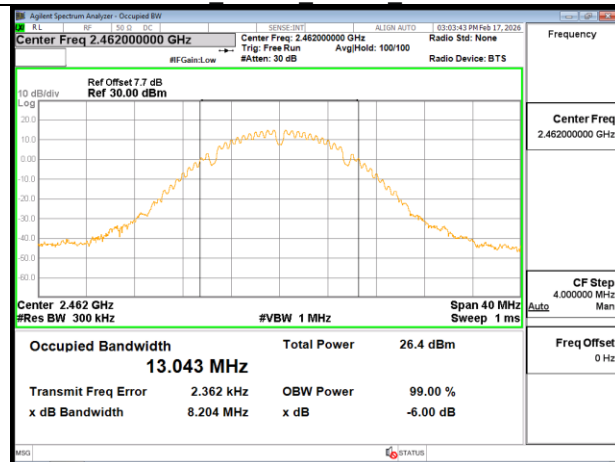
Test Data



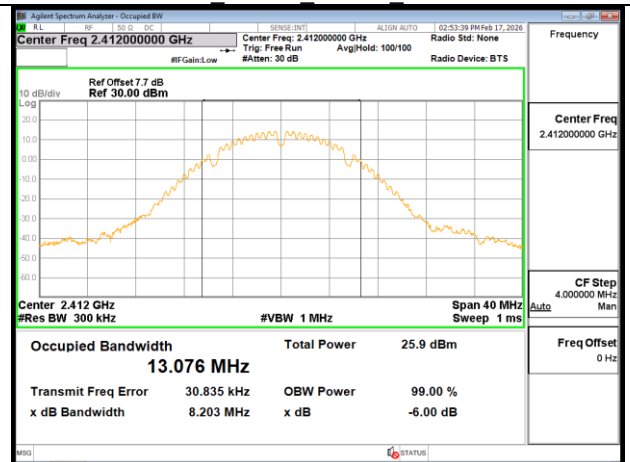
802.11b 20MHz Chain0 2412MHz



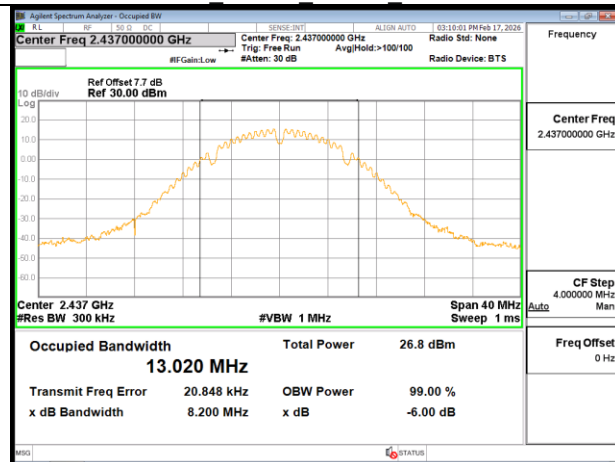
802.11b 20MHz Chain0 2437MHz



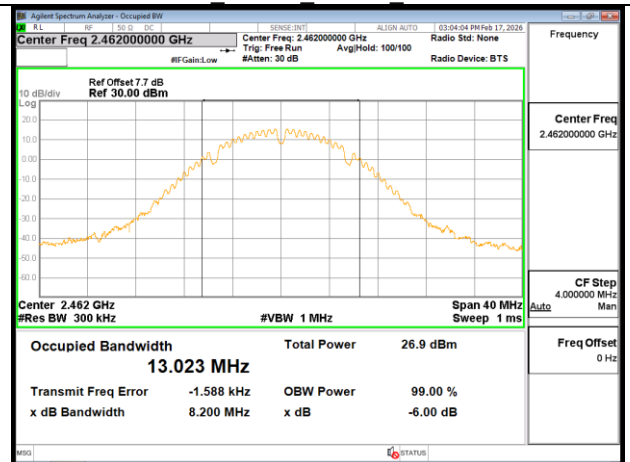
802.11b 20MHz Chain0 2462MHz



802.11b 20MHz Chain1 2412MHz



802.11b 20MHz Chain1 2437MHz



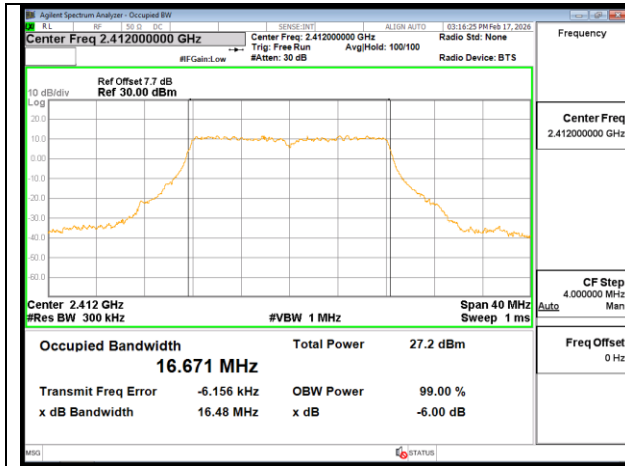
802.11b 20MHz Chain1 2462MHz



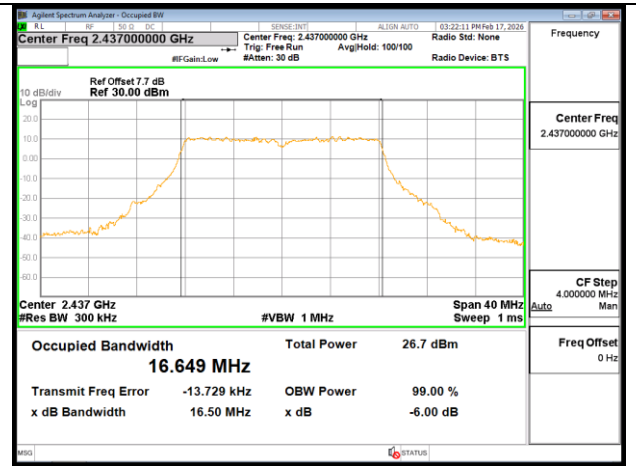
Project No: TM-2601000305P
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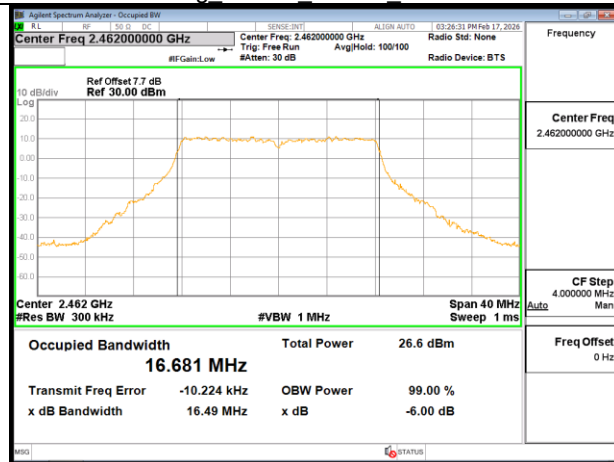
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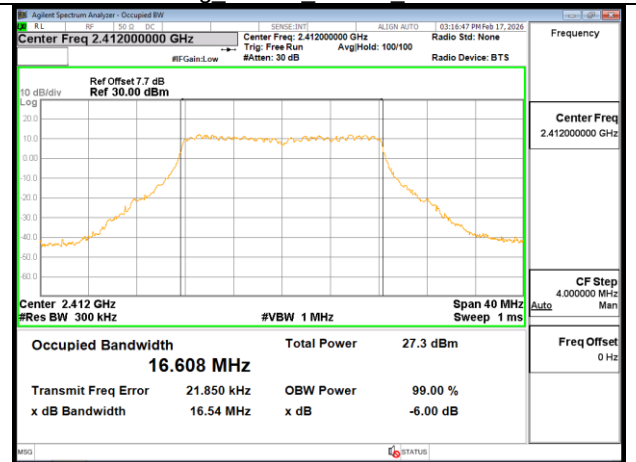
802.11g 20MHz Chain0 2412MHz



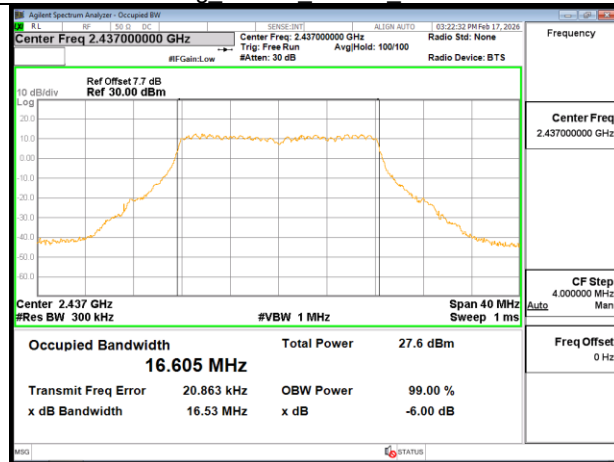
802.11g 20MHz Chain0 2437MHz



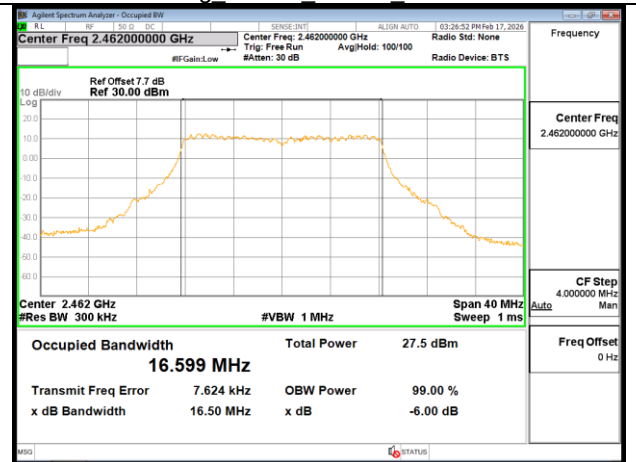
802.11g 20MHz Chain0 2462MHz



802.11g 20MHz Chain1 2412MHz



802.11g 20MHz Chain1 2437MHz



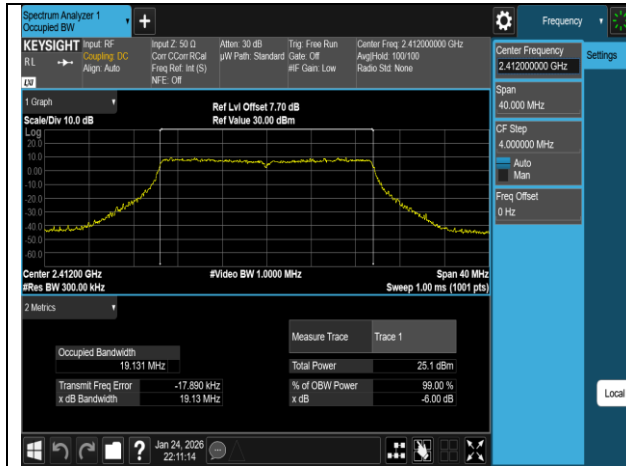
802.11g 20MHz Chain1 2462MHz



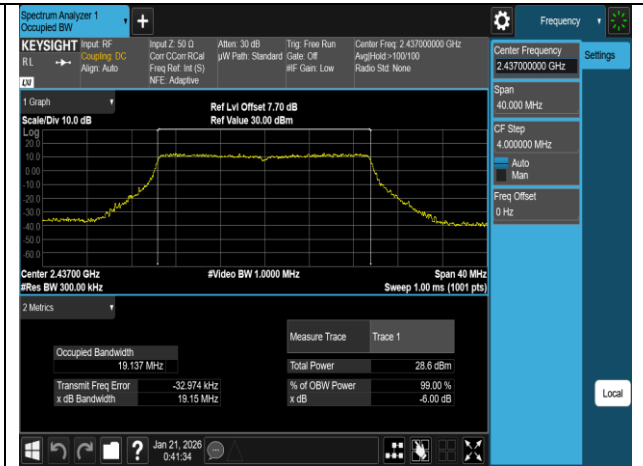
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Report No.: TMWK2601000342KR

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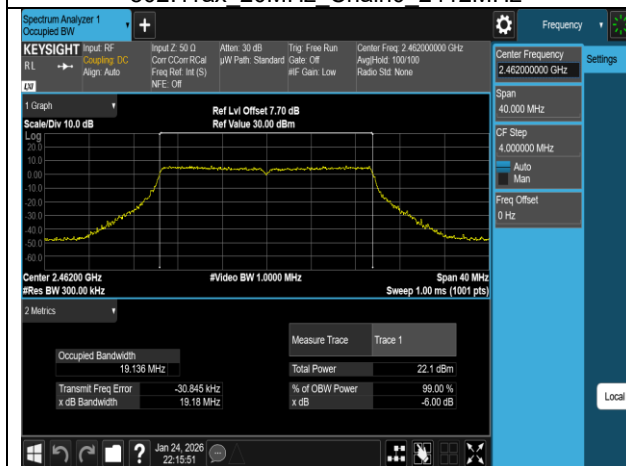
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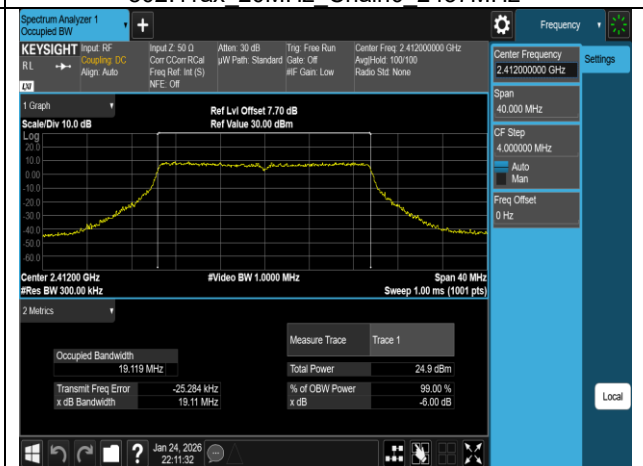
802.11ax 20MHz Chain0 2412MHz



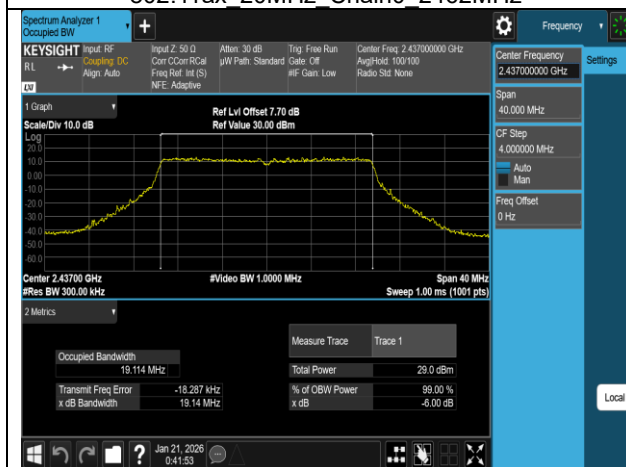
802.11ax 20MHz Chain0 2437MHz



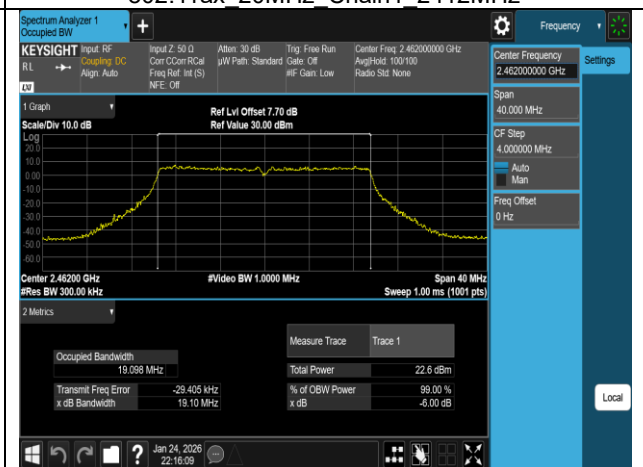
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802.11ax 20MHz Chain1 2412MHz



802.11ax 20MHz Chain1 2437MHz



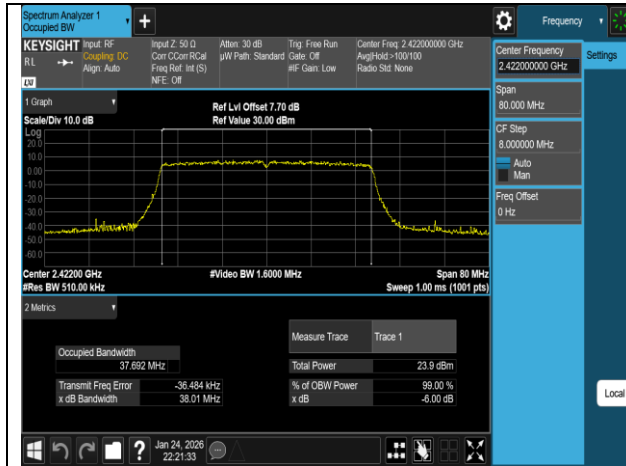
802.11ax 20MHz Chain1 2462MHz



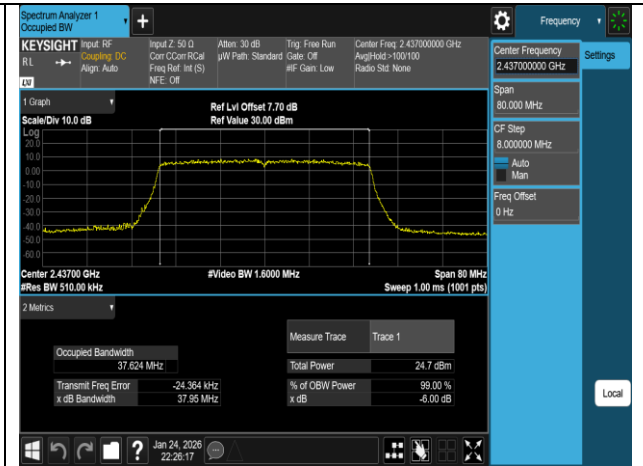
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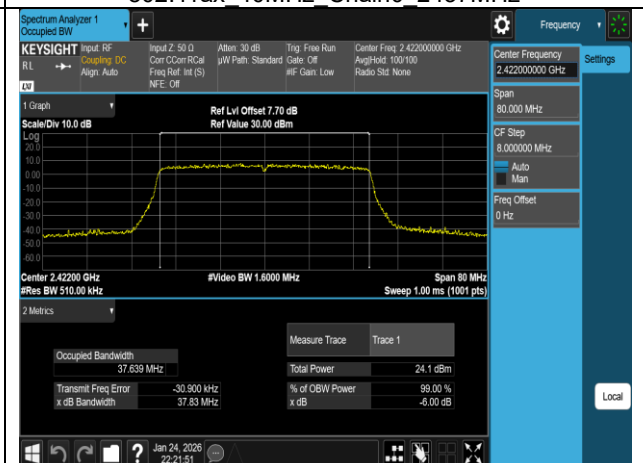
802.11ax 40MHz Chain0 2422MHz



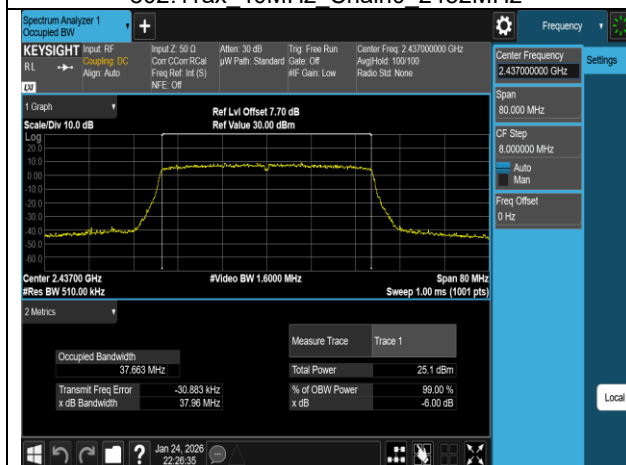
802.11ax 40MHz Chain0 2437MHz



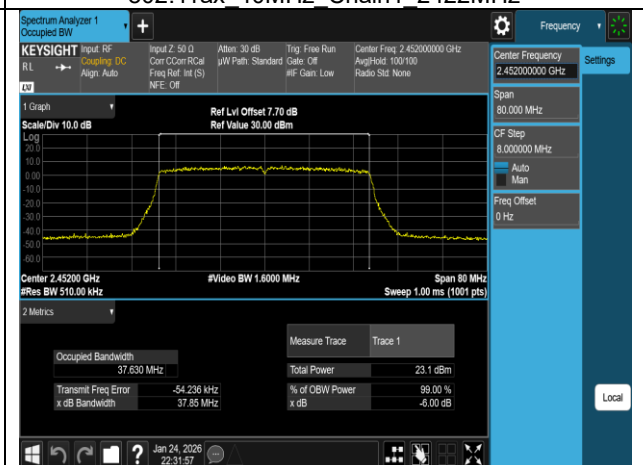
802.11ax 40MHz Chain0 2452MHz



802.11ax 40MHz Chain1 2422MHz



802.11ax 40MHz Chain1 2437MHz



802.11ax 40MHz Chain1 2452MHz

4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.247(b),

FCC

Peak output power :

For systems using digital modulation in the 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt(30 dBm) and the e.i.r.p. shall not exceed 4Watt(36 dBm), base on the use of antennas with directional gain not exceed 6 dBi If transmitting antennas of directional gain greater than 6dBi are used the peak output power the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Limit	☐ Antenna not exceed 6 dBi : 30dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)] ☐ Point-to-point operation :
-------	---

Average output power : For reporting purposes only.

4.3.2 Test Procedure

Test method Refer as KDB 558074 D01.

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

4.3.3 Test Setup

Refer to section 1.8.

4.3.4 Test Result

Temperature: 21.5~25.5°C Test date: January 20~February 17, 2026
Humidity: 50~62%RH Tested by: David Li

Peak & Average output power :

802.11b_2TX									
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	1	22	24.21	24.61	552.70	27.42	27.49	PASS
6	2437	1	22	24.51	24.40	557.91	27.47	27.49	PASS
11	2462	1	22	24.06	24.55	539.78	27.32	27.49	PASS
802.11b_2TX									
CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	1	22	20.48	20.55	225.41	23.53	27.49	PASS
6	2437	1	22	20.53	19.99	212.96	23.28	27.49	PASS
11	2462	1	22	20.08	20.32	209.71	23.22	27.49	PASS
802.11g_2TX									
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	6	21	24.57	24.33	557.44	27.46	27.49	PASS
6	2437	6	21	24.53	24.19	546.21	27.37	27.49	PASS
11	2462	6	21	24.11	24.22	521.87	27.18	27.49	PASS
802.11g_2TX									
CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	6	21	18.42	18.95	148.16	21.71	27.49	PASS
6	2437	6	21	18.65	18.50	144.21	21.59	27.49	PASS
11	2462	6	21	18.24	18.33	134.88	21.30	27.49	PASS

802.11n_HT20_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	17.5	21.62	21.65	291.43	24.65	27.49	PASS
2	2417	MCS0	19	23.89	24.30	514.06	27.11	27.49	PASS
6	2437	MCS0	19	24.04	24.11	511.14	27.09	27.49	PASS
10	2457	MCS0	19	23.88	24.16	504.96	27.03	27.49	PASS
11	2462	MCS0	15	18.75	19.32	160.50	22.05	27.49	PASS

802.11n_HT20_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	17.5	15.20	14.94	64.25	18.08	27.49	PASS
2	2417	MCS0	19	16.42	16.56	89.07	19.50	27.49	PASS
6	2437	MCS0	19	16.47	16.54	89.37	19.51	27.49	PASS
10	2457	MCS0	19	16.26	16.48	86.66	19.38	27.49	PASS
11	2462	MCS0	15	12.32	12.76	35.91	15.55	27.49	PASS

802.11n_HT40M_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	16	21.54	21.77	292.87	24.67	27.49	PASS
6	2437	MCS0	17	22.67	22.83	376.79	25.76	27.49	PASS
9	2452	MCS0	15	20.63	20.68	232.56	23.67	27.49	PASS

802.11n_HT40M_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	16	14.07	14.15	51.50	17.12	27.49	PASS
6	2437	MCS0	17	14.68	15.14	62.00	17.92	27.49	PASS
9	2452	MCS0	15	12.80	13.17	39.78	16.00	27.49	PASS

802.11ax_HE20_SU_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	17.5	23.19	22.65	392.53	25.94	27.49	PASS
2	2417	MCS0	19	24.33	24.47	550.92	27.41	27.49	PASS
6	2437	MCS0	19	24.28	24.37	541.44	27.34	27.49	PASS
10	2457	MCS0	19	24.29	24.41	544.59	27.36	27.49	PASS
11	2462	MCS0	15	20.19	20.93	228.35	23.59	27.49	PASS

802.11ax_HE20_SU_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	17.5	15.60	15.49	71.65	18.55	27.49	PASS
2	2417	MCS0	19	16.83	17.05	98.81	19.95	27.49	PASS
6	2437	MCS0	19	16.94	17.03	99.82	19.99	27.49	PASS
10	2457	MCS0	19	16.75	17.04	97.82	19.90	27.49	PASS
11	2462	MCS0	15	12.80	13.25	40.16	16.04	27.49	PASS

802.11ax_HE40_SU_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	16	22.30	22.39	343.20	25.36	27.49	PASS
6	2437	MCS0	17	23.12	23.58	433.15	26.37	27.49	PASS
9	2452	MCS0	15	21.22	21.39	270.16	24.32	27.49	PASS

802.11ax_HE40_SU_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	16	14.04	14.26	51.99	17.16	27.49	PASS
6	2437	MCS0	17	14.96	15.28	65.02	18.13	27.49	PASS
9	2452	MCS0	15	12.96	13.33	41.27	16.16	27.49	PASS



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4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.247(e),

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.

Limit	☐ Antenna not exceed 6 dBi : 8 dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 8 – (DG – 6)] ☐ Point-to-point operation :
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4.4.2 Test Procedure

Test method Refer as KDB 558074 D01

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 3kHz, VBW = 10kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
4. The path loss were compensated to the results for each measurement by SA.
5. Mark the maximum level.
6. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup

Refer to section 1.8.



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4.4.4 Test Result

Temperature: 21.5~25.5°C **Test date:** January 20~February 17, 2026
Humidity: 50~62%RH **Tested by:** David Li

POWER DENSITY 802.11b MODE					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-2.12	-1.94	0.98	5.49	PASS
2437	-0.99	-0.81	2.11	5.49	PASS
2462	-1.49	-0.79	1.88	5.49	PASS

POWER DENSITY 802.11g MODE					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-7.22	-7.42	-4.31	5.49	PASS
2437	-6.57	-7.15	-3.84	5.49	PASS
2462	-8.1	-7.54	-4.80	5.49	PASS

POWER DENSITY 802.11ax HE20 SU MODE					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-10.28	-10.54	-7.40	5.49	PASS
2437	-6.67	-6.32	-3.48	5.49	PASS
2462	-13.68	-12.44	-10.01	5.49	PASS

POWER DENSITY 802.11ax HE40 SU MODE					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-14.68	-13.23	-10.88	5.49	PASS
2437	-14.43	-13.10	-10.70	5.49	PASS
2452	-15.76	-15.52	-12.63	5.49	PASS

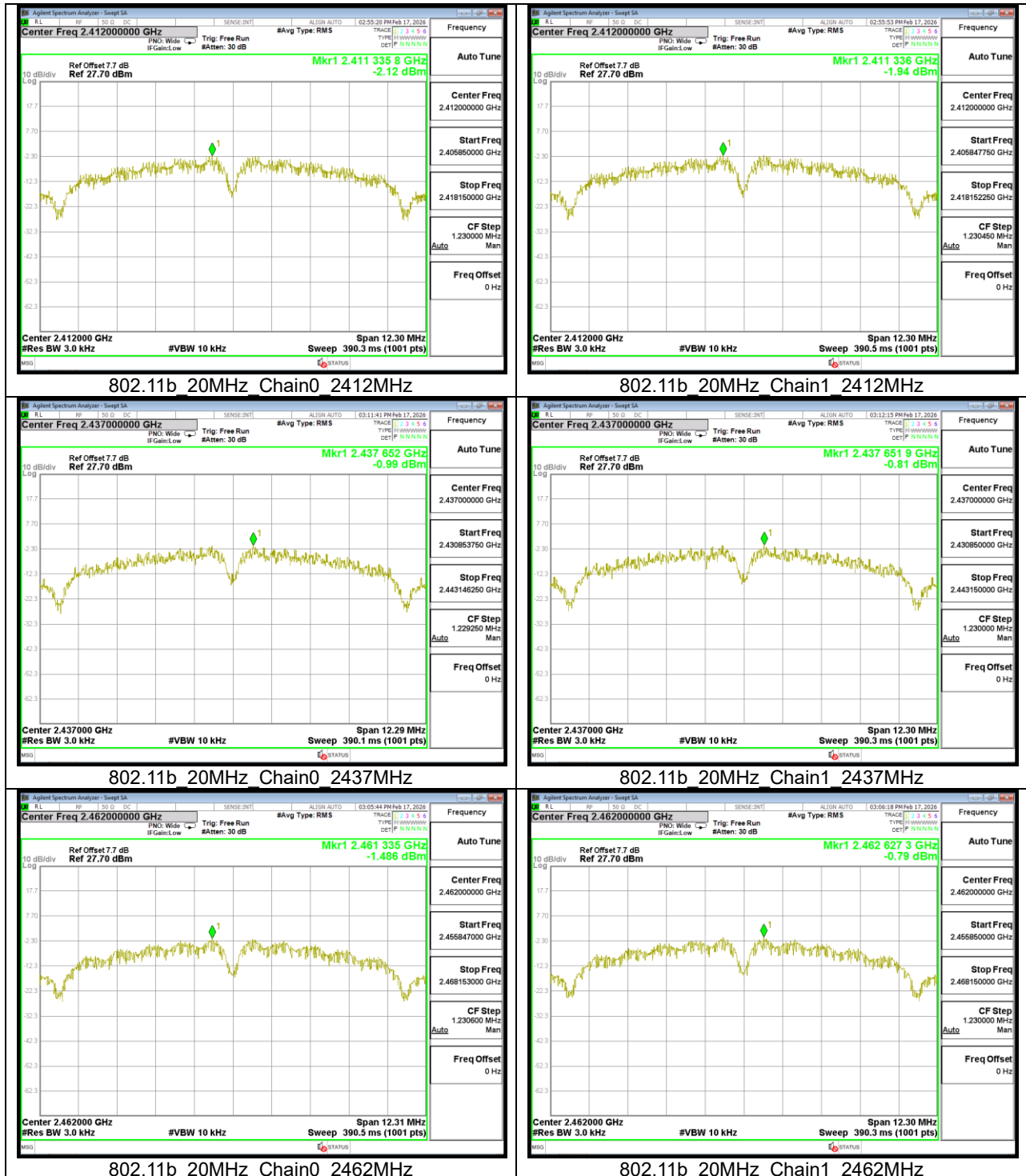


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Test Data

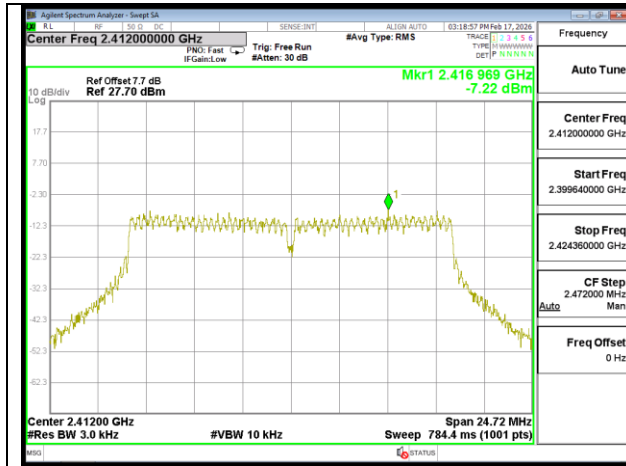




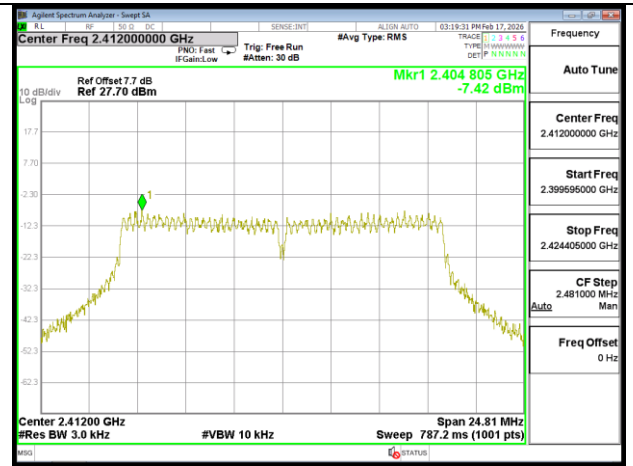
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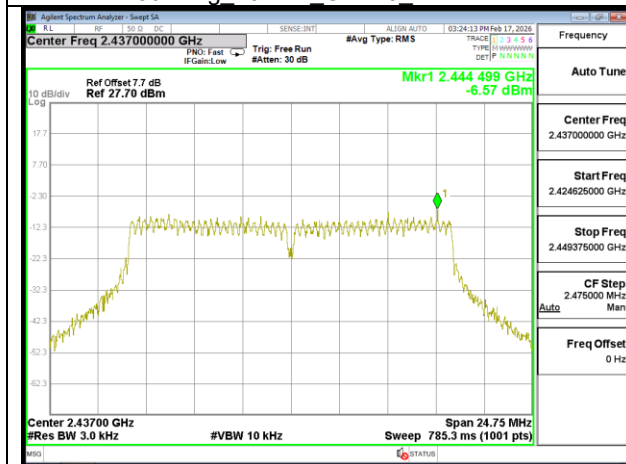
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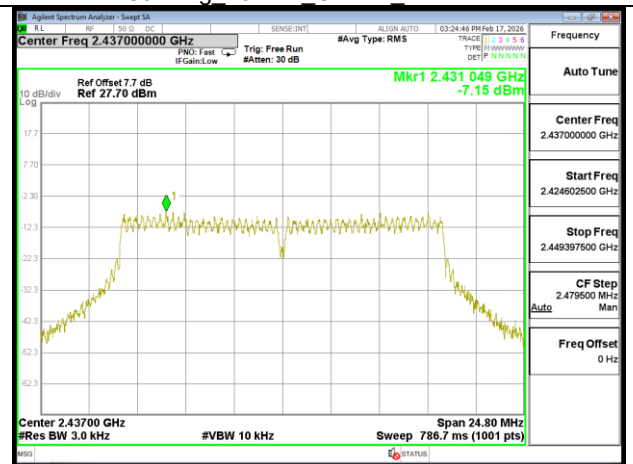
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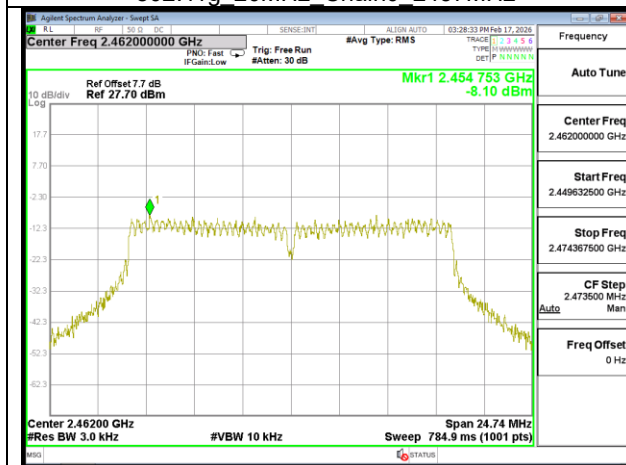
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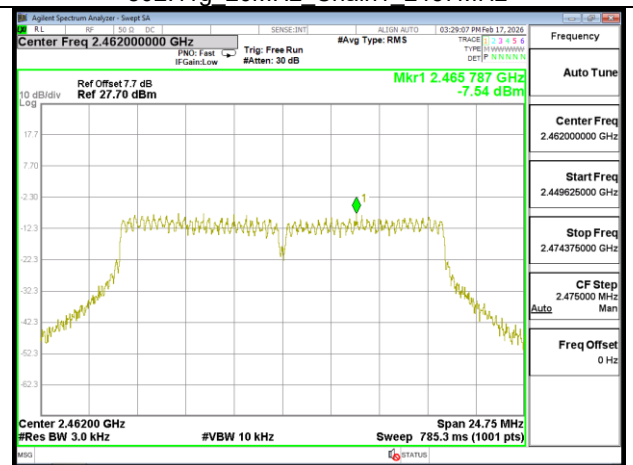
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802.11g 20MHz Chain1 2437MHz



802.11g 20MHz Chain0 2462MHz



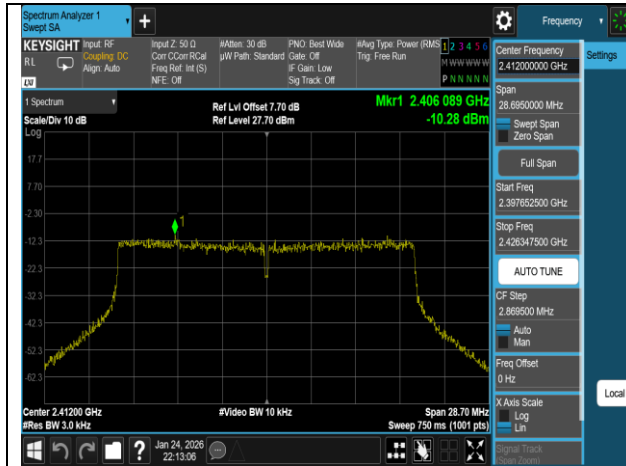
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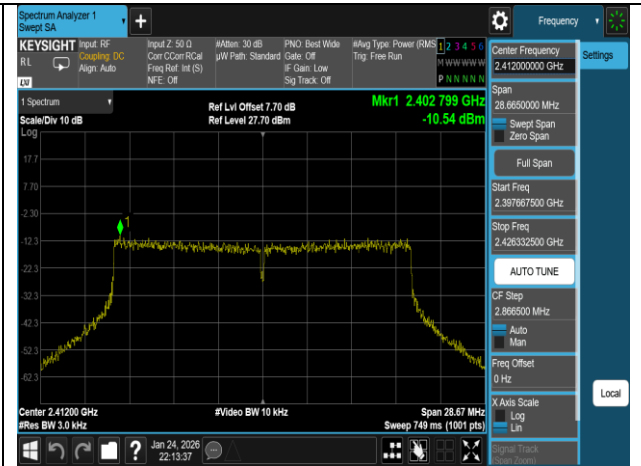
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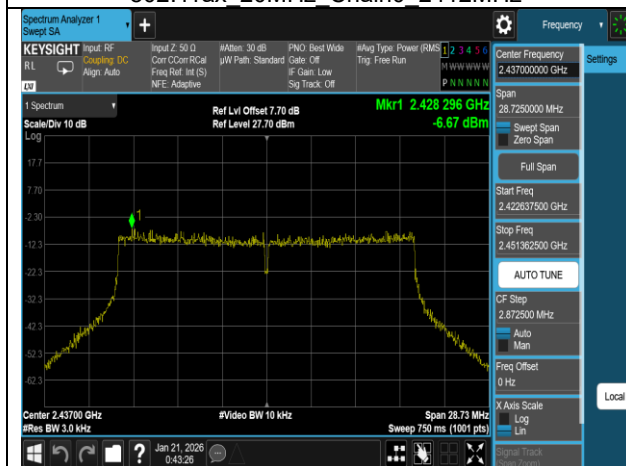
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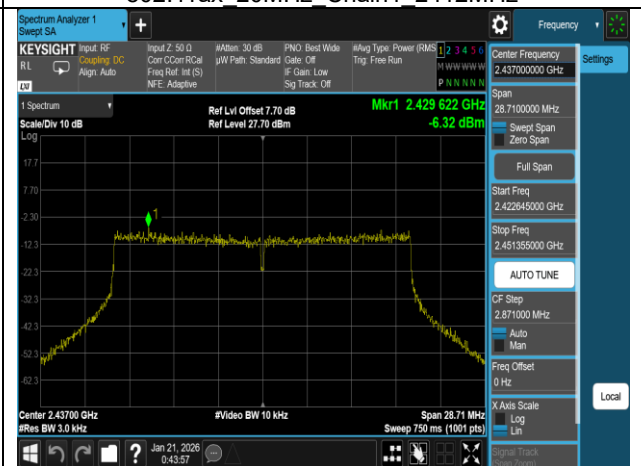
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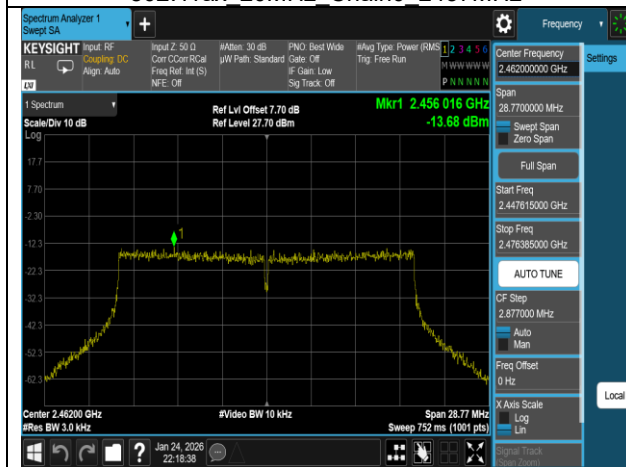
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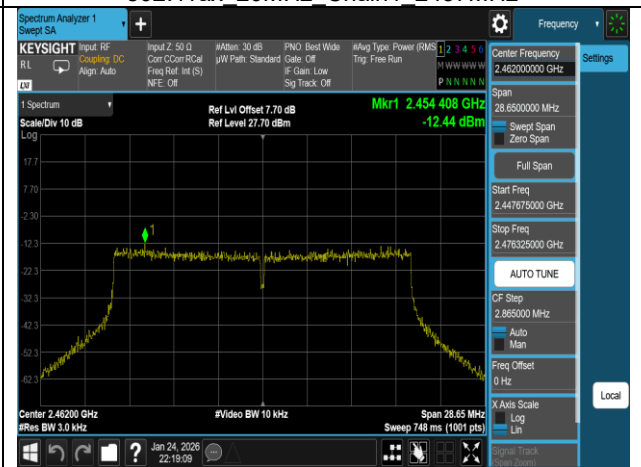
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802.11ax 20MHz Chain1 2437MHz



802.11ax 20MHz Chain0 2462MHz



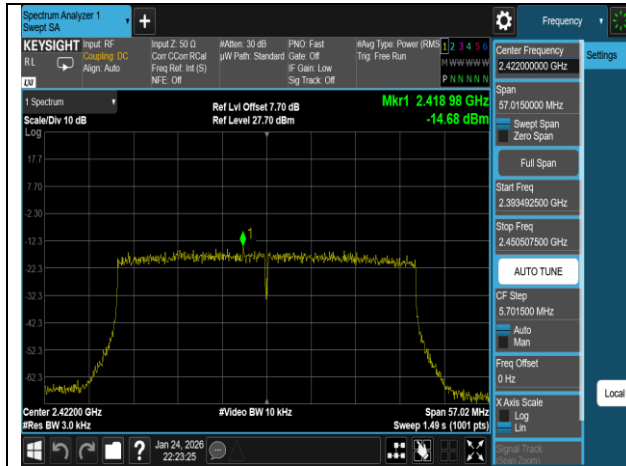
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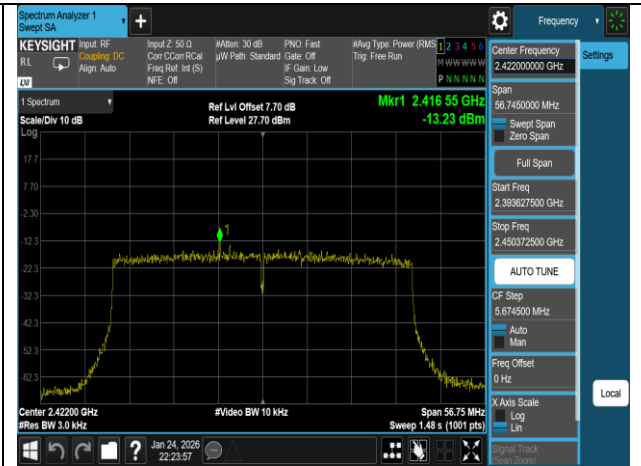
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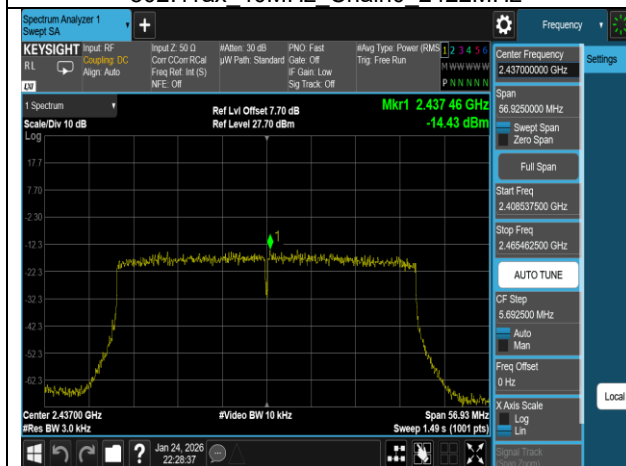
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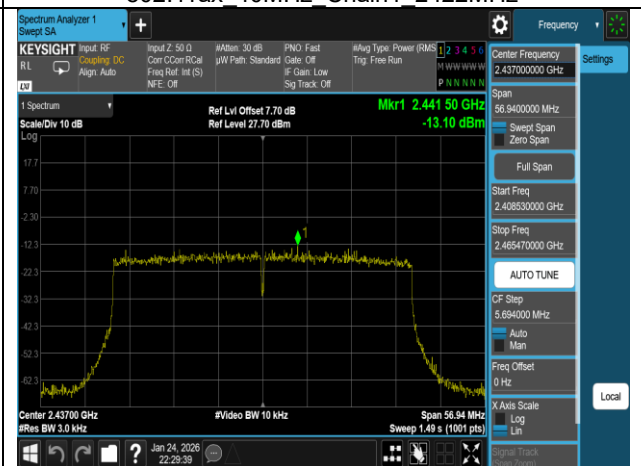
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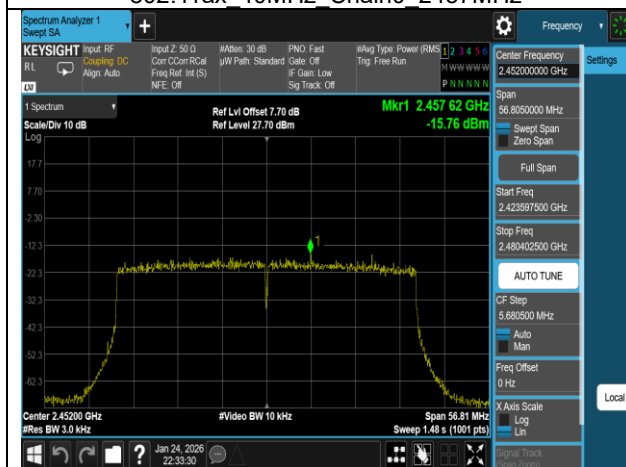
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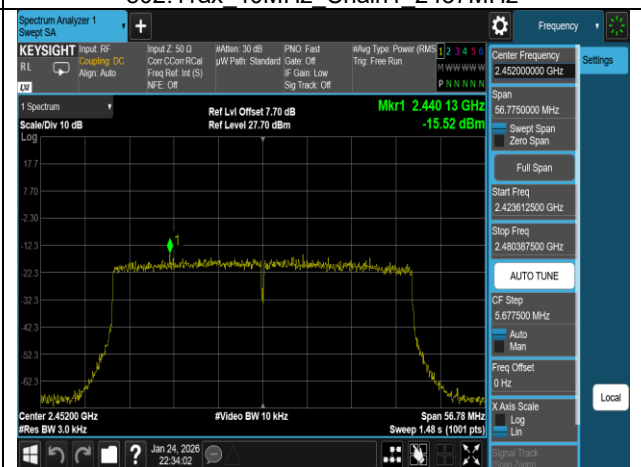
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802.11ax 40MHz Chain1 2437MHz



802.11ax 40MHz Chain0 2452MHz



802.11ax 40MHz Chain1 2452MHz

4.5 CONDUCTED BANDEGE AND SPURIOUS EMISSION

4.5.1 Test Limit

According to §15.247(d),

In any 100 kHz bandwidth outside the authorized frequency band,

Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement 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).

4.5.2 Test Procedure

Test method Refer as KDB 662911 D01, KDB 558074 D01.

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

4.5.3 Test Setup

Refer to section 1.8.

4.5.4 Test Result

Temperature:	21.5~25.5°C	Test date:	January 20~February 17, 2026
Humidity:	50~62%RH	Tested by:	David Li

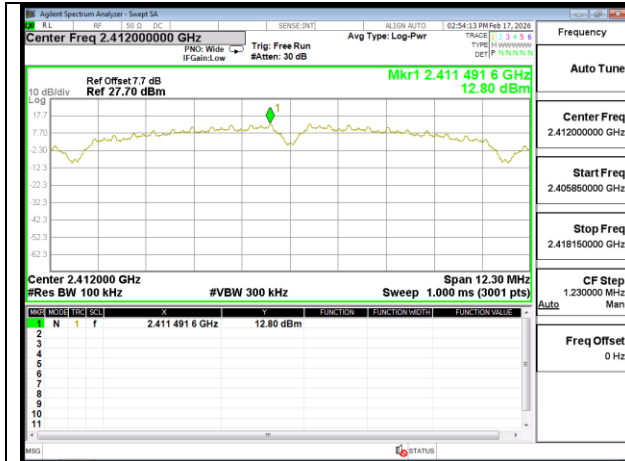


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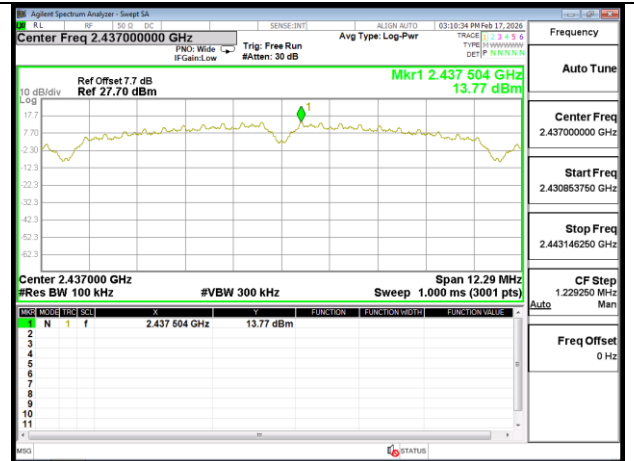
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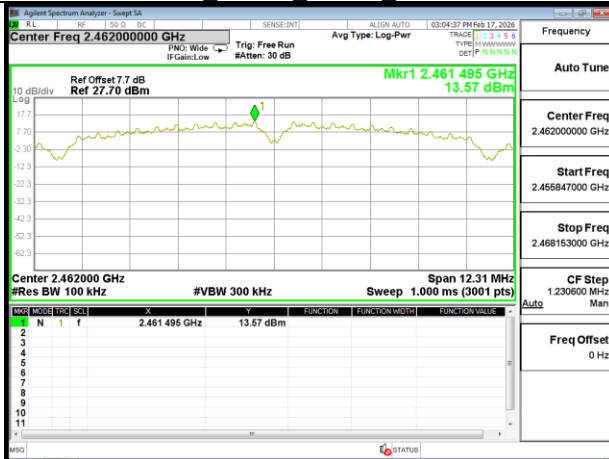
Test Data Reference Level



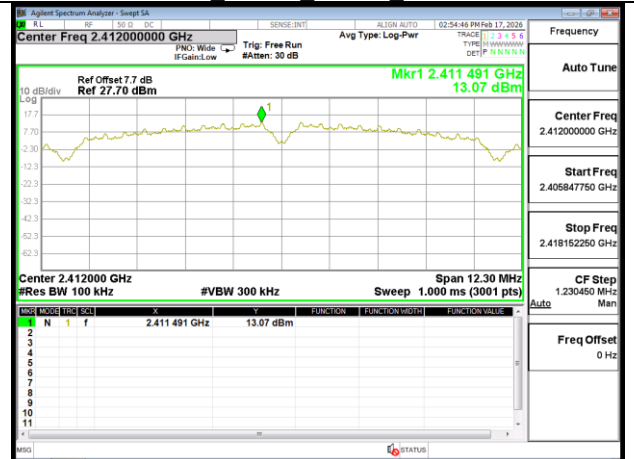
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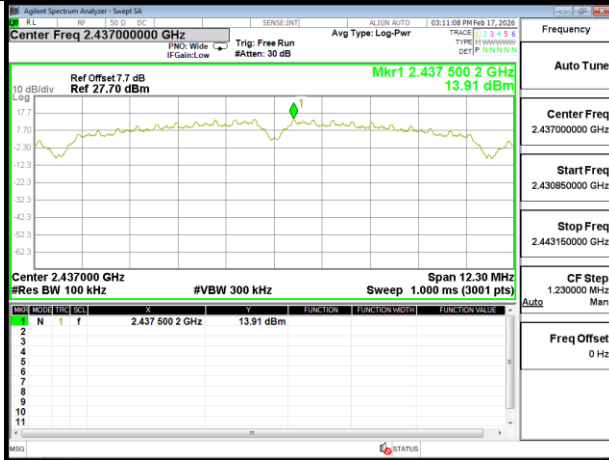
802.11b 20MHz Chain0 2437MHz



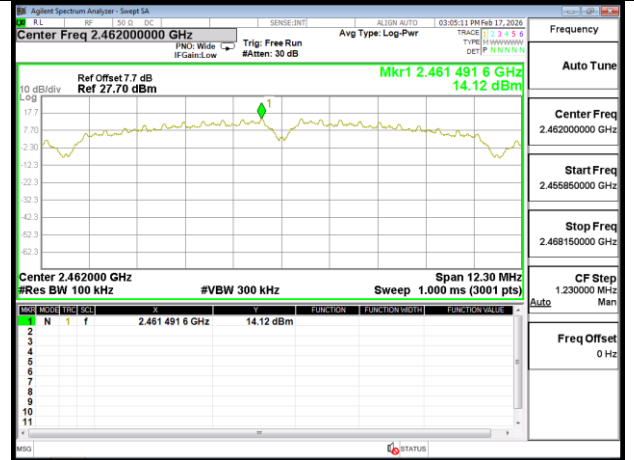
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802.11b 20MHz Chain1 2412MHz



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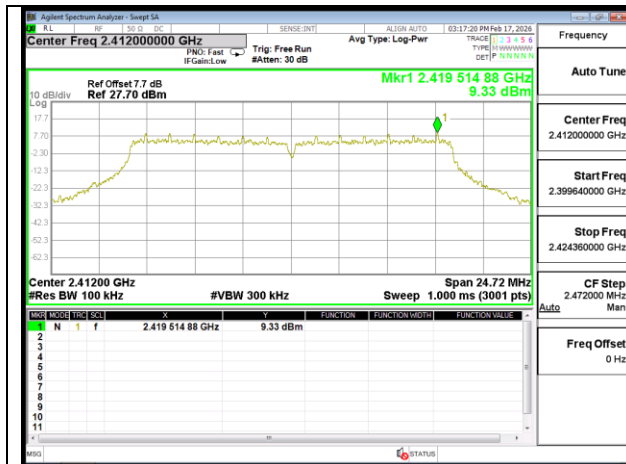
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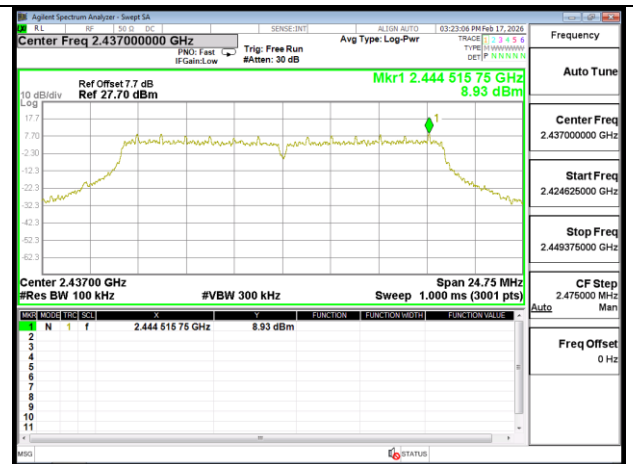
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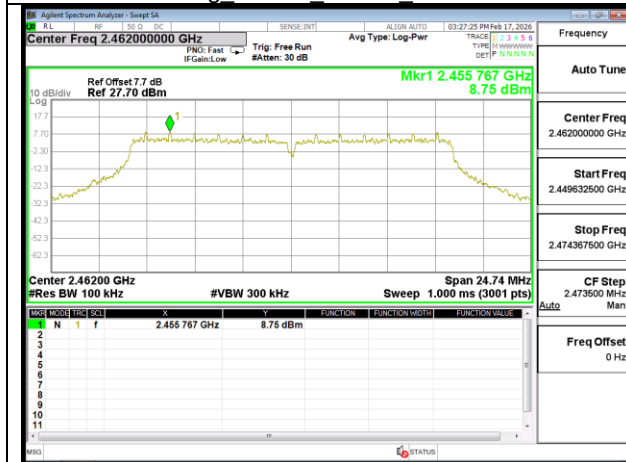
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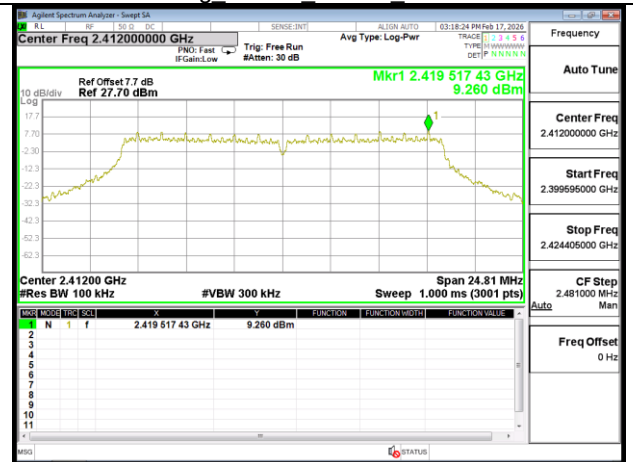
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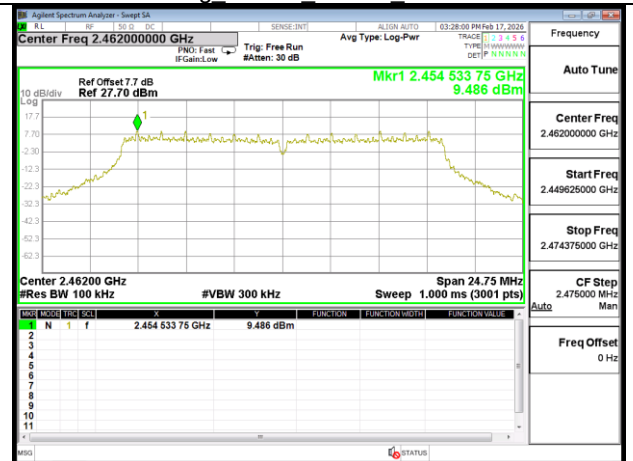
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802.11g_20MHz_Chain1_2437MHz



802.11g_20MHz_Chain1_2462MHz