

## ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



**EUT Description:** Mobile Router  
**Applicant:** NEC Platforms, Ltd.  
Daini Tamachi Bldg., 14-1 Shiba 4-chome, Minato City, Tokyo  
108-0014, Japan  
**Manufacturer:** NEC Platforms, Ltd.  
Daini Tamachi Bldg., 14-1 Shiba 4-chome, Minato City, Tokyo  
108-0014, Japan  
**Brand Name:** NEC Platforms Ltd.  
**Model No.:** KMP8S3AD1-1A  
**Report Number:** TERF2506001855ER  
**FCC ID** 2AA5WKMP8S3AD  
**Date of EUT Received:** June 2, 2025  
**Date of Test:** June 04, 2025~July 01, 2025  
**Issue Date:** July 22, 2025

*Vito Pei*  
**Approved By** \_\_\_\_\_

**Vito Pei**

**We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247.

The results of this report relate only to the sample identified in this report.

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## Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2506001855ER	00	Original	July 22, 2025	Karen Huang	

**Note:**

- 1、The remark "\*" indicates modification of the report upon requests from certification body.

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## Table of Contents

1	GENERAL INFORMATION.....	4
2	SYSTEM TEST CONFIGURATION.....	7
3	SUMMARY OF TEST RESULTS .....	10
4	DESCRIPTION OF TEST MODES.....	11
5	MEASUREMENT UNCERTAINTY.....	14
6	MEASUREMENT EQUIPMENT USED .....	15
7	CONDUCTED EMISSION TEST .....	17
8	PEAK OUTPUT POWER MEASUREMENT .....	21
9	EMISSION BANDWIDTH MEASUREMENT .....	34
10	CONDUCTED BAND EDGES AND SPURIOUS EMISSION MEASUREMENT .....	53
11	RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT.....	73
12	POWER SPECTRAL DENSITY .....	139
13	ANTENNA REQUIREMENT.....	148

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## 1 GENERAL INFORMATION

### 1.1 Product Description

EUT Description	Mobile Router
Brand Name:	NEC Platforms Ltd.
Model No.:	KMP8S3AD1-1A
Hardware Version:	1
Firmware Version:	1
Power Supply:	3.8Vdc
Test Software (Name/Version)	DutApiMimoApApp.exe

### 1.2 RF Specification

#### WLAN 2.4GHz

Mode	Frequency Range	Channels	Rated Power (dBm)		Modulation Technology
			Peak	Avg.	
802.11b	2412~2462	11	19.87	16.98	CCK
802.11g	2412~2462	11	25.68	15.94	OFDM
802.11n_HT20	2412~2462	11	25.66	15.95	OFDM
802.11n_HT40	2422~2452	7	25.65	15.98	OFDM
802.11ax_HE20	2412~2462	11	25.82	15.99	OFDMA
802.11ax_HE40	2422~2452	7	25.37	15.78	OFDMA
Modulation type:		DQPSK, DBPSK for CCK in 802.11b			
		64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11g,11n			
		1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax			
Data Rate:		802.11b: 1/2/5.5/11 Mbps			
		802.11g: 6/9/12/18/24/36/48/54 Mbps			
		802.11n_HT20:up to 144.4Mbps			
		802.11n_HT40:up to 300Mbps			
		802.11ax_HE20:up to 286.8Mbps			
		802.11ax_HE40:up to 573.6Mbps			

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### 1.3 Antenna Designation

Antenna Type	WLAN0 / WLAN1	Freq.	Peak Antenna Gain (dBi)
Inverted F Antenna (Omni-directional)	WLAN0	2.4GHz	-1.3
	WLAN1	2.4GHz	0.2

**Note:**

1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. The antenna information is provided by the applicant, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

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## 1.4 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10:2013

## 1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier	
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702	
		SAC 2			
		SAC 3			
		Conduction 1			
		Conducted 1			
		Conducted 2			
		Conducted 3			
		Conducted 4			
		Conducted 5			
		Conducted 6			
		Conduction C			
		SAC C			
		SAC D			
		SAC G			
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conducted A	TW0028		
		Conducted B			
		Conducted C			
		Conducted D			
		Conducted E			
		Conducted F			
		Conducted G			

**Note:** Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

Temperature:	23.8~22.4	°C	Relative Humidity:	62~69	%
Test site	Conducted E		Test Start:	06/20/2025	
Test Engineer:	henry chiang		Test Done:	07/01/2025	

## 1.6 Special Accessories

There are no special accessories used while test was conducted.

## 1.7 Equipment Modifications

There was no modification incorporated into the EUT.

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## 2 SYSTEM TEST CONFIGURATION

### 2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

### 2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

### 2.3 Test Procedure

#### 2.3.1 Conducted Emissions

The EUT is placed on a table which is 0.8 m above ground plane. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz. The CISPR Quasi-Peak and Average detector mode is employed. The two LISNs provide 50uH/50 ohm of coupling impedance for the measuring instrument. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

#### 2.3.2 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

#### 2.3.3 Radiated Emissions

The EUT is placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

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## 2.4 Measurement Results Explanation Example

### 2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

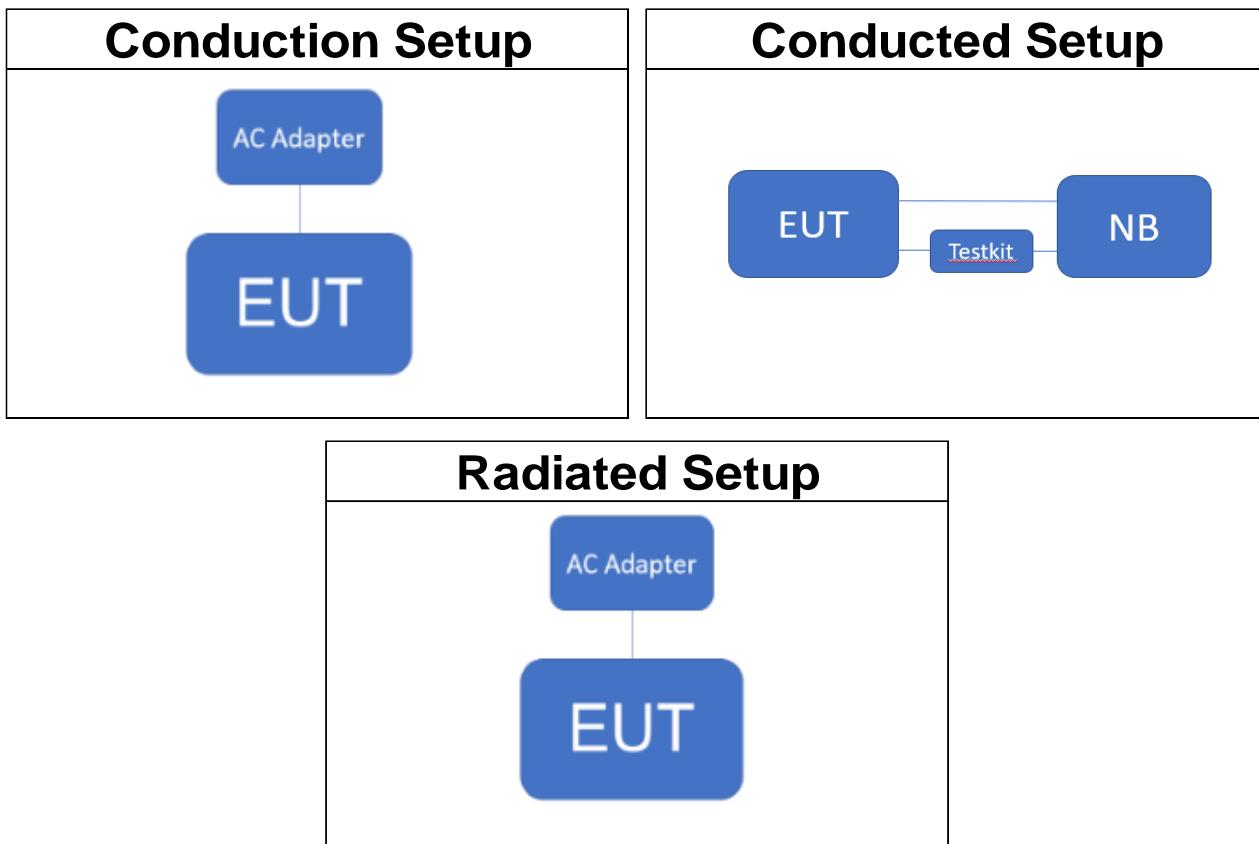
Radiated emission below 30MHz is measured in a 9m\*6m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

### 2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

## 2.5 Test Configuration



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## 2.6 Control Unit(s)

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
AC Adapter	株式會社	ADP-15SW BA	N/A	N/A	N/A
USB Cable	Fu Wa	USB-C18	128342	N/A	N/A
Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Testkit	N/A	N/A	N/A	N/A	N/A
USB to Mini	N/A	N/A	N/A	N/A	N/A
USB to Type-c	N/A	N/A	N/A	N/A	N/A
Notebook	HP	HSN-Q35C-4	P0004691	N/A	N/A
Radiated Emission Test Site: SAC G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	T420	S0012599	N/A	N/A
USB Cable	Fu Wa	USB-C18	128342	N/A	N/A

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### 3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.207(a)	AC Power Line Conducted Emission	Compliant
§15.247(b) (3)	Peak Output Power	Compliant
§15.247(a)(2)	Emission Bandwidth	Compliant
§15.209 §15.247(d)	Conducted Band Edge and Spurious Emission	Compliant
§15.209 §15.247(d)	Radiated Band Edge and Spurious Emission	Compliant
§15.205	Restricted Bands	Compliant
§15.247(e)	Power Spectral Density	Compliant
§15.203	Antenna Requirement	Compliant

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## 4 DESCRIPTION OF TEST MODES

### 4.1 Operating Frequencies

2400~2483.5 MHz	
20MHz	
CH	Freq. (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

40MHz	
CH	Freq. (MHz)
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452

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## 4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case.

The given UE is pre-scanned among below modes.

Mode		Transmission Chain						Single Transmission Spatial		Multi Transmission Spatial	
V	802.11 b	V	Ch0	V	Ch1		Ch2		Ch3		1TX
V	802.11 g	V	Ch0	V	Ch1		Ch2		Ch3		1TX
V	802.11 n	V	Ch0	V	Ch1		Ch2		Ch3		1TX
	802.11 ac		Ch0		Ch1		Ch2		Ch3		1TX
V	802.11 ax	V	Ch0	V	Ch1		Ch2		Ch3		1TX
	802.11 be		Ch0		Ch1		Ch2		Ch3		1TX
											2TX

4. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

CONDUCTED TEST						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)		ANTENNA PORT
802.11b	1 to 11	1,6,11	CCK	1		2TX
802.11g	1 to 11	1,6,11	OFDM	6		2TX
802.11n_HE20	1 to 11	1,6,11	OFDM	MCS0		2TX
802.11n_HE40	3 to 9	3,6,9	OFDM	MCS0		2TX

CONDUCTED TEST						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	1 to 11	1,6,11	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54	MCS0	2TX
802.11ax_HE40	3 to 9	3,6,9	OFDMA	FULL RU 242/61,242/62	MCS0	2TX

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TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11g	1 to 11	6	OFDM	6	2Tx

TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 11	1,6,11	CCK	1	2Tx
802.11g	1 to 11	1,6,11	OFDM	6	2Tx
802.11n20	1 to 11	1,6,11	OFDM	MCS0	2Tx
802.11n40	3 to 9	3,6,9	OFDM	MCS0	2Tx
802.11ax20	1 to 11	1,6,11	OFDMA	MCS0	2Tx
802.11ax40	3 to 9	3,6,9	OFDMA	MCS0	2Tx

**Note:**

The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

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## 5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.54 dB
Output Power measurement	+/- 0.97 dB
Emission Bandwidth	+/- 1.38 Hz
Conducted emission measurement	+/- 0.77 dB
Peak Power Density	+/- 0.61 dB
Temperature	+/- 0.6 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
<b>Polarization: Vertical</b>	+/- 1.89 dB	9kHz~30MHz	
	+/- 4.1 dB	30MHz - 1000MHz	
	+/- 3.37 dB	1GHz - 18GHz	
	+/- 3.83 dB	18GHz - 40GHz	
<b>Polarization: Horizontal</b>	+/- 1.89 dB	9kHz~30MHz	
	+/- 4.1 dB	30MHz - 1000MHz	
	+/- 3.37 dB	1GHz - 18GHz	
	+/- 3.83 dB	18GHz - 40GHz	
<b>Radiated Spurious Emission</b>	+/- 2 dB	33GHz-50GHz	
	+/- 1.59 dB	50GHz-60GHz	
	+/- 1.71 dB	60GHz-90GHz	
	+/- 1.64 dB	90GHz-140GHz	
	+/- 3.84 dB	140GHz-220GHz	

**Note:**

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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## 6 MEASUREMENT EQUIPMENT USED

### 6.1 Emission from AC power line

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Coaxial Cable	EC Lab	RF-HY-CAB-250	RF-HY-CAB-250-01	03/27/2025	03/26/2026
EMI Test Receiver	R&S	ESCI	101342	04/23/2025	04/22/2026
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	973	04/18/2025	04/17/2026
Pulse Limiter	EC Lab	VTSD 9561F-N	485	03/27/2025	03/26/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

### 6.2 Conducted Measurement

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Marvelous	MVE2213-10	RF06	11/14/2024	11/13/2025
DC Block	PASTERNACK	PE8210	RF157	11/14/2024	11/13/2025
Power Meter	Anritsu	ML2496A	2138002	08/28/2024	08/27/2025
Power Sensor	Anritsu	MA2411B	1911390	08/28/2024	08/27/2025
Power Sensor	Anritsu	MA2411B	1911398	08/28/2024	08/27/2025
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	04/02/2025	04/01/2026
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R

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## 6.3 Radiated Measurement

Radiated Emission Test Site: SAC G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
3m Site NSA	SGS	966 chamber G	N/A	03/30/2025	03/29/2026
Active Loop Antenna	COM-POWER	AL-130R	10160105	12/11/2024	12/10/2025
Broadband Antenna	SCHWARZBECK	VULB 9168	1206	01/16/2025	01/15/2026
Coaxial Cable	EMCI+Huber Suhner	EMCCFD400-NM-NM-8000+EMCCFD400-NM-NM-5000+SUCAFLEX100+EMC104-SM-SM-2000+EMC104-SM-SM-8000+EMC104-SM-SM-5000	210216+210217+84103701/15+160105+210217+210220	11/14/2024	11/13/2025
High Pass Filter	WI	WHKX10-2624-3200-18000-80SS	RF176	11/14/2024	11/13/2025
Horn Antenna	RF SPIN	DRH18-E	210105A18E	04/15/2025	04/14/2026
Horn Antenna	Schwarzbeck	BBHA9170	184	12/20/2024	12/19/2025
Lowpass Filter	Woken	EWT-56-0019	RF163	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC118A45SE	980815	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC184045SEE	980881	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC330N	980781	11/14/2024	11/13/2025
Spectrum Analyzer	KEYSIGHT	N9010B	MY60240506	06/23/2025	06/22/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 ( C )	N.C.R	N.C.R

**NOTE:** N.C.R refers to Not Calibrated Required.

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## 7 CONDUCTED EMISSION TEST

### 7.1 Standard Applicable

Frequency range within 150kHz to 30MHz shall not exceed the Limit table as below.

Frequency range MHz	Limits (dBuV)	
	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

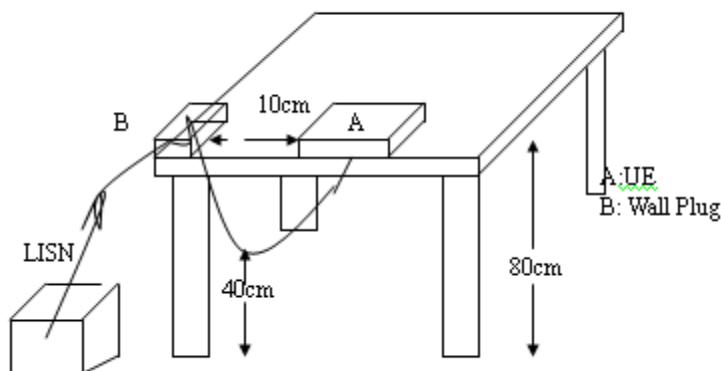
#### Note

1. The lower limit shall apply at the transition frequencies
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

### 7.2 EUT Setup:

1. The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.10:2013.
2. The AC/DC Power adaptor of EUT was plug-in LISN. The EUT was placed flushed with the rear of the table.
3. The LISN was connected with 120Vac/60Hz power source.

### 7.3 Test Setup



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## 7.4 Measurement Procedure

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all phases of power being supplied by given UE are completed

## 7.5 Measurement Result

Level = Read Level + Factor

Factor = (LISN, ISN, or current probe)Factor + Cable Loss +Attenuator

Note: Refer to next page for measurement data and plots.

Note2: The \* reveals the worst-case results that closest to the limit.

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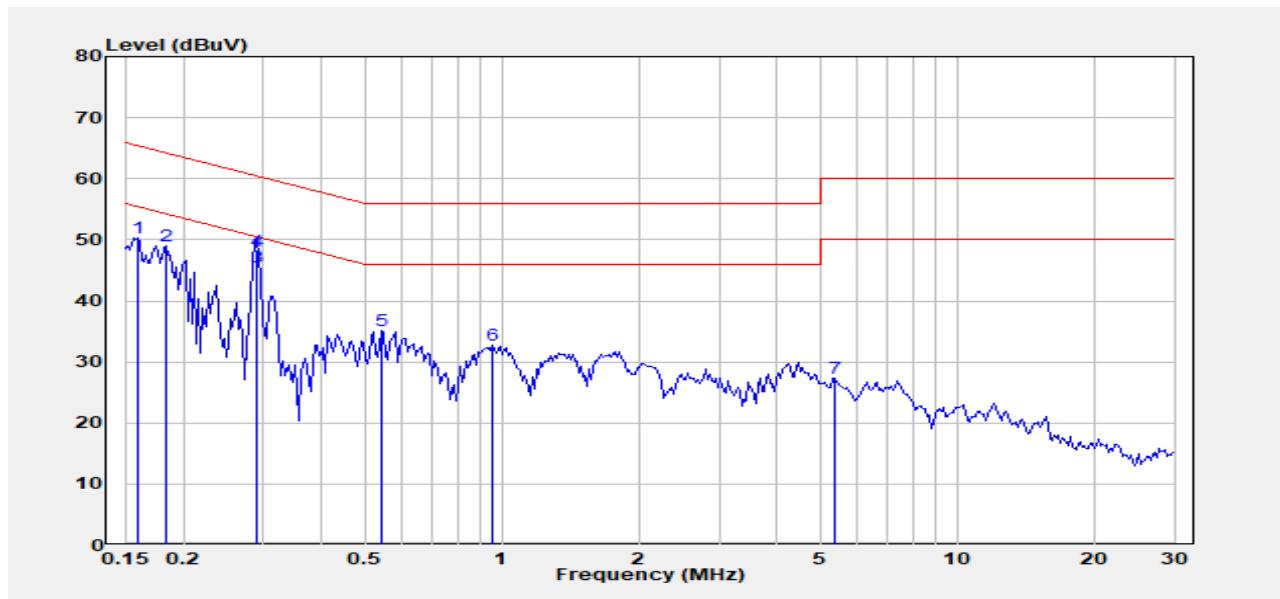
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**AC POWER LINE CONDUCTED EMISSION TEST DATA**

Report Number :TERF2506001855ER Test Site :Conduction C  
Test Mode :2.4G Test Date :2025-07-01  
Power :120V/60Hz Temp./Humi :23.8°C/55%  
Probe :L1 Engineer :Temo Chen



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin
				FS dB $\mu$ V	dB $\mu$ V	dB
0.158	Peak	39.69	10.65	50.34	65.56	-15.22
0.183	Peak	38.44	10.65	49.09	64.33	-15.24
0.289	Average	34.90	10.64	45.54	50.54	-5.01
0.289	QP	37.60	10.64	48.24	60.54	-12.31
0.546	Peak	24.50	10.62	35.13	56.00	-20.87
0.958	Peak	22.03	10.69	32.72	56.00	-23.28
5.390	Peak	16.38	10.95	27.33	60.00	-32.67

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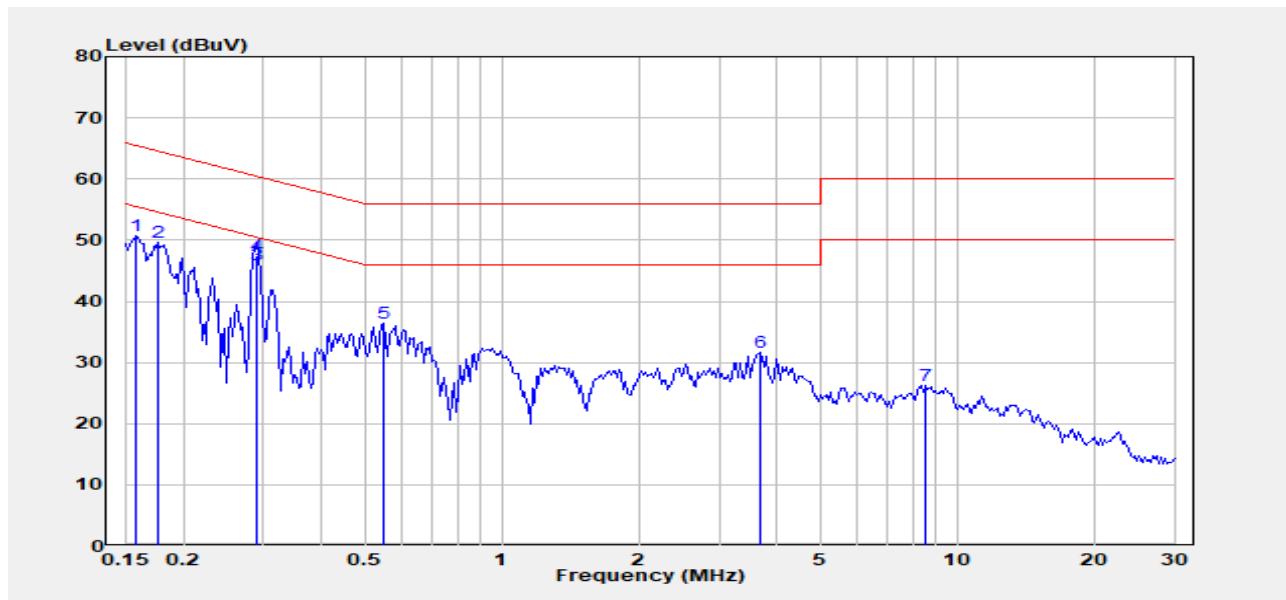
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Report Number :TERF2506001855ER  
Test Mode :2.4G  
Power :120V/60Hz  
Probe :N

Test Site :Conduction C  
Test Date :2025-07-01  
Temp./Humi :23.8°C/55%  
Engineer :Temo Chen



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual		Margin dB
				PK	QP/AV	
0.156	Peak	40.16	10.66	50.82	65.65	-14.83
0.176	Peak	38.89	10.65	49.54	64.68	-15.14
0.289	Average	35.30	10.63	45.93	50.54	-4.61
0.289	QP	36.80	10.63	47.43	60.54	-13.11
0.552	Peak	25.88	10.61	36.50	56.00	-19.50
3.681	Peak	20.71	10.86	31.57	56.00	-24.43
8.501	Peak	15.32	10.95	26.27	60.00	-33.73

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## 8 PEAK OUTPUT POWER MEASUREMENT

### 8.1 Standard Applicable

#### 8.1.1 Duty Cycle

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

#### 8.1.2 FCC

For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt.

If the transmitting antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi.

In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi.

**Note:**

When the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$\bullet \quad \text{DirectionalGain} = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k} = 10^{G_k/20}$  if the kth antenna is being fed by spatial stream j, or zero if it is not;

$G_k$  is the gain in dBi of the kth antenna.

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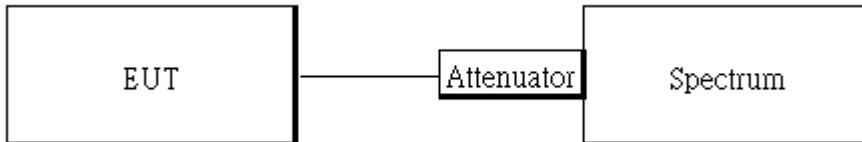
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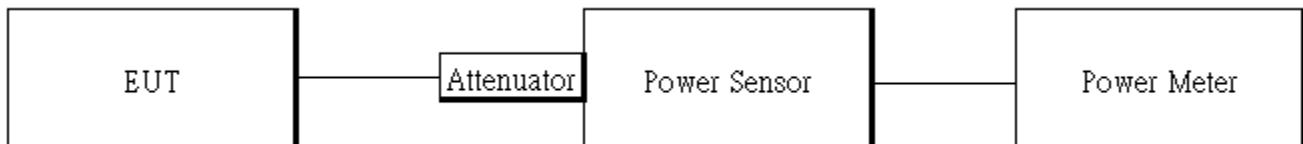
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## 8.2 Test Setup

### 8.2.1 Duty Cycle



### 8.2.2 Output Power:



## 8.3 Measurement Procedure

### 8.3.1 Duty Cycle:

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

### 8.3.2 Output Power

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.

#### Power Meter:

It is used as the auxiliary test equipment to conduct the output power measurement.

4. Record the max. Reading as observed from Spectrum or Power Meter.
5. MIMO mode: offset is set with “measure and add 10 Log (N)” to measurement for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna, cable loss is specified below.

**\* Note: The duty cycle factor and below is compensated to obtain the maximum value of measurement in average.**

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## 8.4 Measurement Result

### 8.4.1 Duty Cycle:

Mode		Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log ( 1/Duty Cycle )	1/T (kHz)	VBW setting (kHz)
802.11b		100.00	0.00	0.00	0.01
802.11g		98.96	0.05	0.70	0.01
802.11n_20		99.26	0.03	0.37	0.01
802.11n_40		97.94	0.09	1.51	2.00
Mode	RU Config	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log ( 1/Duty Cycle )	1/T (kHz)	VBW setting (kHz)
802.11ax_20	Full	98.59	0.06	0.96	0.01
802.11ax_40	Full	97.35	0.12	1.81	2.00

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## 8.4.2 Duty Cycle test plots



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### 8.4.3 Output Power

#### 802.11b Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	12.5	42.85	16.32	30.00	PASS
6	2437	1	12.5	43.35	16.37	30.00	PASS
11	2462	1	12.5	42.36	16.27	30.00	PASS

#### 802.11b Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	12.5	23.50	13.71	30.00	PASS
6	2437	1	12.5	23.55	13.72	30.00	PASS
11	2462	1	12.5	23.33	13.68	30.00	PASS

#### 802.11b Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	12	45.92	16.62	30.00	PASS
6	2437	1	12	44.77	16.51	30.00	PASS
11	2462	1	12	44.36	16.47	30.00	PASS

#### 802.11b Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	12	24.60	13.91	30.00	PASS
6	2437	1	12	24.43	13.88	30.00	PASS
11	2462	1	12	24.04	13.81	30.00	PASS

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## 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	12.5	16.96	16.75	96.97	19.87	30.00	PASS
6	2437	1	12.5	16.12	16.52	85.80	19.33	30.00	PASS
11	2462	1	12.5	16.34	16.97	92.83	19.68	30.00	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	12.5	13.80	13.91	48.59	16.87	30.00	PASS
6	2437	1	12.5	13.46	13.83	46.34	16.66	30.00	PASS
11	2462	1	12.5	13.69	14.23	49.87	16.98	30.00	PASS

## 802.11g Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	11	190.99	22.81	30.00	PASS
6	2437	6	11	193.20	22.86	30.00	PASS
11	2462	6	11	193.64	22.87	30.00	PASS

## 802.11g Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	11	18.69	12.72	30.00	PASS
6	2437	6	11	18.86	12.76	30.00	PASS
11	2462	6	11	18.77	12.74	30.00	PASS

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802.11g Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	10.5	196.34	22.93	30.00	PASS
6	2437	6	10.5	199.07	22.99	30.00	PASS
11	2462	6	10.5	197.24	22.95	30.00	PASS

802.11g Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	10.5	19.66	12.94	30.00	PASS
6	2437	6	10.5	19.52	12.91	30.00	PASS
11	2462	6	10.5	19.39	12.88	30.00	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	11	21.97	22.67	342.33	25.34	30.00	PASS
6	2437	6	11	21.85	22.73	340.61	25.32	30.00	PASS
11	2462	6	11	22.11	23.16	369.57	25.68	30.00	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	11	13.07	12.79	39.25	15.94	30.00	PASS
6	2437	6	11	12.73	12.89	38.16	15.82	30.00	PASS
11	2462	6	11	12.62	13.10	38.66	15.87	30.00	PASS

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802.11n\_HT\_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	11	190.99	22.81	30.00	PASS
6	2437	MCS0	11	193.20	22.86	30.00	PASS
11	2462	MCS0	11	193.64	22.87	30.00	PASS

802.11n\_HT\_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	11	19.06	12.80	30.00	PASS
6	2437	MCS0	11	19.20	12.83	30.00	PASS
11	2462	MCS0	11	19.15	12.82	30.00	PASS

802.11n\_HT\_20M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	193.64	22.87	30.00	PASS
6	2437	MCS0	10.5	196.79	22.94	30.00	PASS
11	2462	MCS0	10.5	193.20	22.86	30.00	PASS

802.11n\_HT\_20M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	19.55	12.91	30.00	PASS
6	2437	MCS0	10.5	19.42	12.88	30.00	PASS
11	2462	MCS0	10.5	19.33	12.86	30.00	PASS

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## 802.11n\_HT20M\_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	11	22.07	22.76	349.86	25.44	30.00	PASS
6	2437	MCS0	11	22.09	22.97	359.96	25.56	30.00	PASS
11	2462	MCS0	11	22.10	23.13	367.77	25.66	30.00	PASS

## 802.11n\_HT20M\_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	11	13.03	12.85	39.39	15.95	30.00	PASS
6	2437	MCS0	11	12.88	12.90	38.93	15.90	30.00	PASS
11	2462	MCS0	11	12.63	13.10	38.76	15.88	30.00	PASS

## 802.11n\_HT\_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	11	190.11	22.79	30.00	PASS
6	2437	MCS0	11	191.87	22.83	30.00	PASS
9	2452	MCS0	10.5	180.30	22.56	30.00	PASS

## 802.11n\_HT\_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	11	19.19	12.83	30.00	PASS
6	2437	MCS0	11	19.37	12.87	30.00	PASS
9	2452	MCS0	10.5	17.30	12.38	30.00	PASS

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802.11n\_HT\_40M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	10.5	196.79	22.94	30.00	PASS
6	2437	MCS0	10.5	195.43	22.91	30.00	PASS
9	2452	MCS0	10	183.23	22.63	30.00	PASS

802.11n\_HT\_40M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	10.5	19.82	12.97	30.00	PASS
6	2437	MCS0	10.5	19.41	12.88	30.00	PASS
9	2452	MCS0	10	17.38	12.40	30.00	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	11	22.28	22.98	367.65	25.65	30.00	PASS
6	2437	MCS0	11	22.19	22.91	361.01	25.58	30.00	PASS
9	2452	MCS0	10.5	21.96	22.95	354.28	25.49	30.00	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	11	12.93	13.01	39.64	15.98	30.00	PASS
6	2437	MCS0	11	12.91	12.93	39.18	15.93	30.00	PASS
9	2452	MCS0	10.5	12.36	12.69	35.80	15.54	30.00	PASS

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802.11ax\_HE\_20M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	full	11	198.15	22.97	30.00	PASS
6	2437	MCS0	full	11	197.70	22.96	30.00	PASS
11	2462	MCS0	full	11	195.43	22.91	30.00	PASS

802.11ax\_HE\_20M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	full	11	19.24	12.84	30.00	PASS
6	2437	MCS0	full	11	19.37	12.87	30.00	PASS
11	2462	MCS0	full	11	19.46	12.89	30.00	PASS

802.11ax\_HE\_20M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	full	10.5	204.17	23.10	30.00	PASS
6	2437	MCS0	full	10.5	206.54	23.15	30.00	PASS
11	2462	MCS0	full	10.5	207.01	23.16	30.00	PASS

802.11ax\_HE\_20M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	full	10.5	19.55	12.91	30.00	PASS
6	2437	MCS0	full	10.5	19.60	12.92	30.00	PASS
11	2462	MCS0	full	10.5	19.82	12.97	30.00	PASS

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## 802.11ax\_HE20M\_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
					Ch0	Ch1				
1	2412	MCS0	full	10.5	22.21	22.91	361.78	25.58	30.00	PASS
6	2437	MCS0	full	11	21.57	22.77	332.78	25.22	30.00	PASS
11	2462	MCS0	full	11	22.21	23.33	381.62	25.82	30.00	PASS

## 802.11ax\_HE20M\_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
					Ch0	Ch1				
1	2412	MCS0	full	10.5	12.98	12.84	39.11	15.92	30.00	PASS
6	2437	MCS0	full	11	12.56	13.00	38.00	15.80	30.00	PASS
11	2462	MCS0	full	11	12.66	13.27	39.70	15.99	30.00	PASS

## 802.11ax\_HE\_40M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	full	11	190.11	22.79	30.00	PASS
6	2437	MCS0	full	11	187.93	22.74	30.00	PASS
9	2452	MCS0	full	9.5	140.93	21.49	30.00	PASS

## 802.11ax\_HE\_40M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	full	11	19.48	12.90	30.00	PASS
6	2437	MCS0	full	11	19.35	12.87	30.00	PASS
9	2452	MCS0	full	9.5	14.34	11.57	30.00	PASS

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802.11ax\_HE\_40M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	full	10.5	191.87	22.83	30.00	PASS
6	2437	MCS0	full	10.5	188.80	22.76	30.00	PASS
9	2452	MCS0	full	9	143.22	21.56	30.00	PASS

802.11ax\_HE\_40M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	full	10.5	19.75	12.96	30.00	PASS
6	2437	MCS0	full	10.5	19.66	12.94	30.00	PASS
9	2452	MCS0	full	9	14.44	11.60	30.00	PASS

802.11ax\_HE40M\_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
					Ch0	Ch1				
3	2422	MCS0	full	10.5	21.96	22.73	344.54	25.37	30.00	PASS
6	2437	MCS0	full	10.5	21.55	22.45	318.68	25.03	30.00	PASS
9	2452	MCS0	full	9.5	21.38	21.86	290.87	24.64	30.00	PASS

802.11ax\_HE40M\_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
					Ch0	Ch1				
3	2422	MCS0	full	10.5	12.76	12.78	37.82	15.78	30.00	PASS
6	2437	MCS0	full	10.5	12.54	12.79	36.93	15.67	30.00	PASS
9	2452	MCS0	full	9.5	11.44	11.87	29.29	14.67	30.00	PASS

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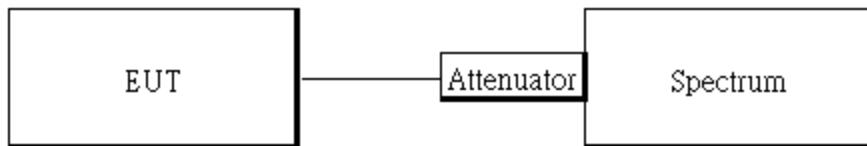
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## 9 EMISSION BANDWIDTH MEASUREMENT

### 9.1 Standard Applicable

The minimum 6 dB bandwidth shall be at least 500 kHz.

### 9.2 Test Setup



### 9.3 Measurement Procedure:

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

#### 9.3.1 6dB BW measurements

1. The testing follows the Measurement Procedure of the KDB 558074 D01.
2. Set the spectrum analyzer as  
RBW= 100 kHz ,  
VBW = 3 X RBW,  
Span= 2 to 5 times of the OBW,  
Sweep=auto, Detector = Peak, and Max hold.
3. Mark the upper and lower frequencies of -6dB.
4. Repeat above procedures until all test default channel is completed.

#### 9.3.2 99% BW measurements

1. The testing follows the Measurement Procedure of the RSS-Gen section 6.7.
2. Set the spectrum analyzer as  
RBW= 1 % to 5% of 99%,  
VBW  $\geq$  3 X RBW,  
Span= large enough to capture all products of the modulation process  
Sweep=auto, Detector = Peak, and Max hold.
3. Mark the upper and lower frequencies of 99%.
4. Repeat above procedures until all test default channel is completed.

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## 9.4 Measurement Result:

### 9.4.1 6dB BW measurements

#### 802.11b Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	10100	≥ 500	PASS
2437	10110	≥ 500	PASS
2462	10090	≥ 500	PASS

#### 802.11b Ch1

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	10100	≥ 500	PASS
2437	10120	≥ 500	PASS
2462	10120	≥ 500	PASS

#### 802.11g Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	16400	≥ 500	PASS
2437	16420	≥ 500	PASS
2462	16390	≥ 500	PASS

#### 802.11g Ch1

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	16430	≥ 500	PASS
2437	16400	≥ 500	PASS
2462	16420	≥ 500	PASS

#### 802.11n\_HT\_20M Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	17330	≥ 500	PASS
2437	17560	≥ 500	PASS
2462	17090	≥ 500	PASS

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**802.11n\_HT\_20M Ch1**

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	17590	≥ 500	PASS
2437	17580	≥ 500	PASS
2462	17590	≥ 500	PASS

**802.11n\_HT\_40M Ch0**

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2422	35750	≥ 500	PASS
2437	35870	≥ 500	PASS
2452	35530	≥ 500	PASS

**802.11n\_HT\_40M Ch1**

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2422	35590	≥ 500	PASS
2437	36340	≥ 500	PASS
2452	35340	≥ 500	PASS

**802.11ax\_HE\_20M Ch0**

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2412	full	18410	≥ 500	PASS
2437	full	18460	≥ 500	PASS
2462	full	18340	≥ 500	PASS

**802.11ax\_HE\_20M Ch1**

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2412	full	18550	≥ 500	PASS
2437	full	18350	≥ 500	PASS
2462	full	18400	≥ 500	PASS

**802.11ax\_HE\_40M Ch0**

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2422	full	37160	≥ 500	PASS
2437	full	37020	≥ 500	PASS
2452	full	36300	≥ 500	PASS

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802.11ax\_HE\_40M Ch1

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2422	full	36450	$\geq 500$	PASS
2437	full	36770	$\geq 500$	PASS
2452	full	36310	$\geq 500$	PASS

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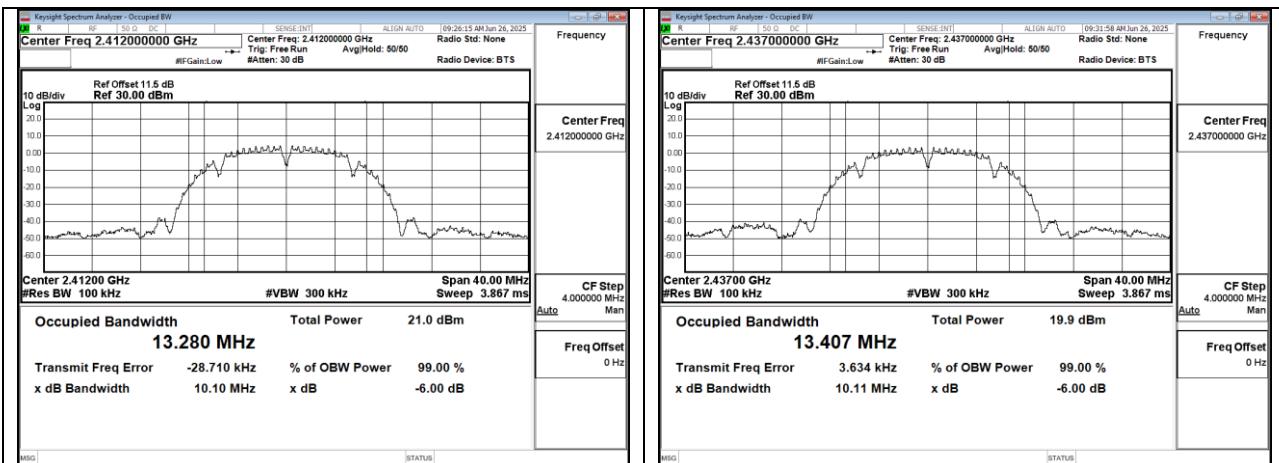
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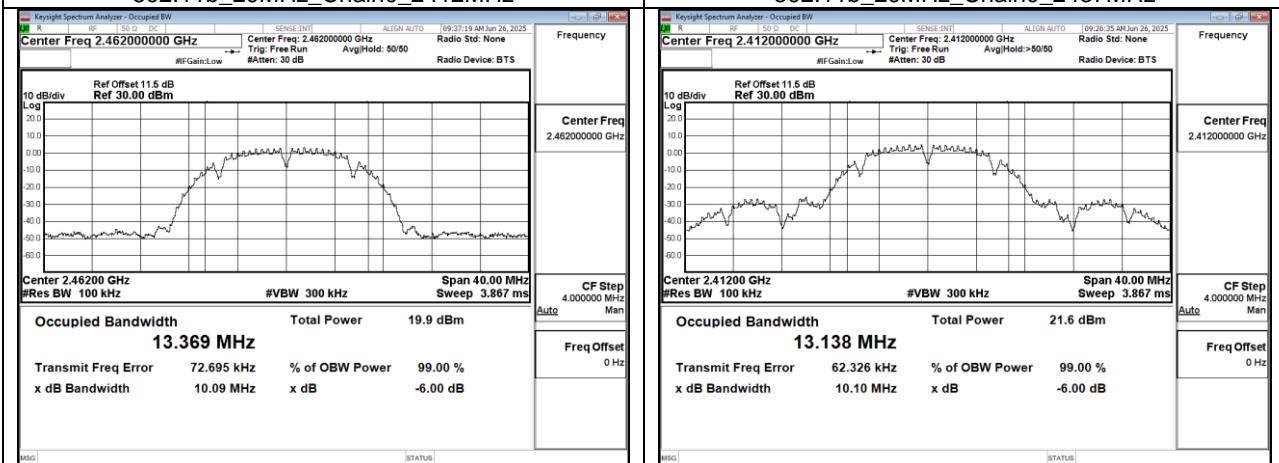
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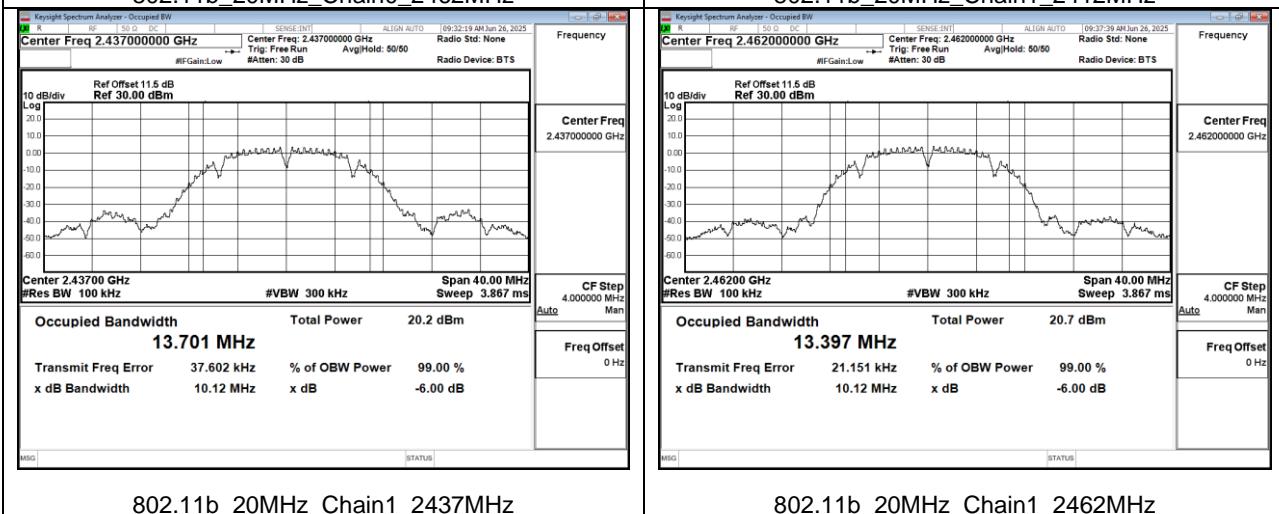
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802.11b\_20MHz\_Chain0\_2412MHz



802.11b\_20MHz\_Chain0\_2437MHz



802.11b\_20MHz\_Chain1\_2437MHz

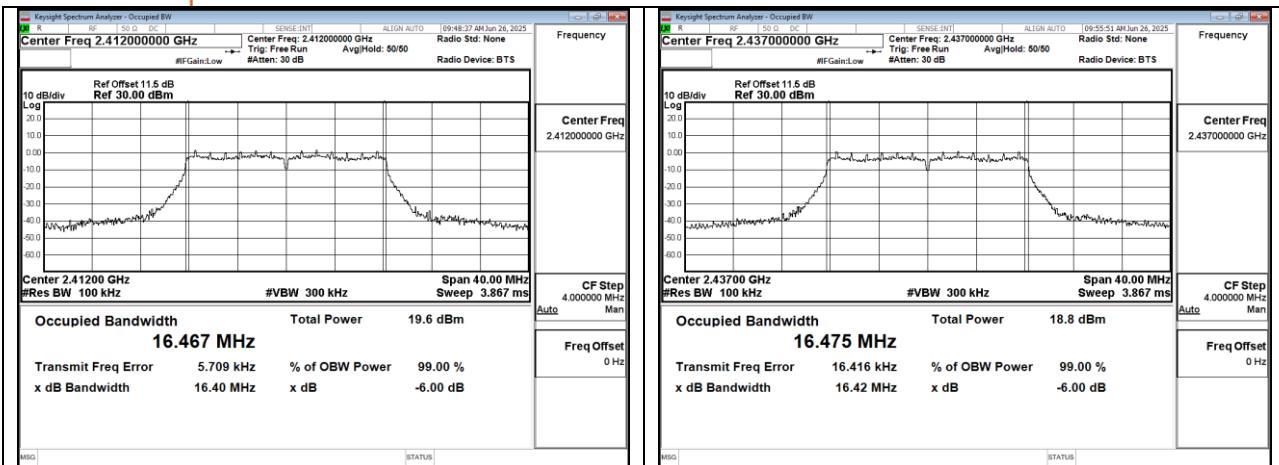
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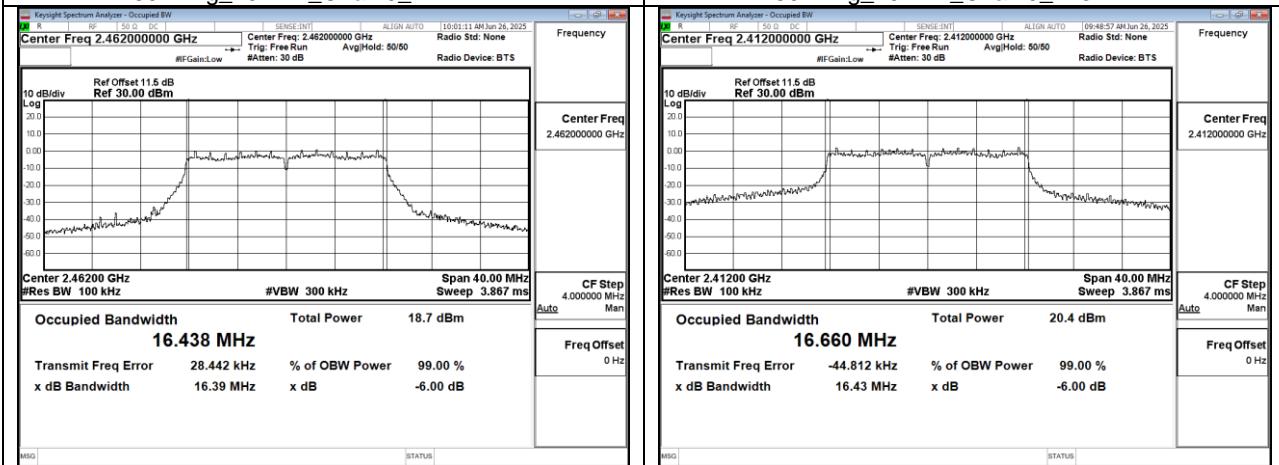
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802.11g\_20MHz\_Chain0\_2412MHz



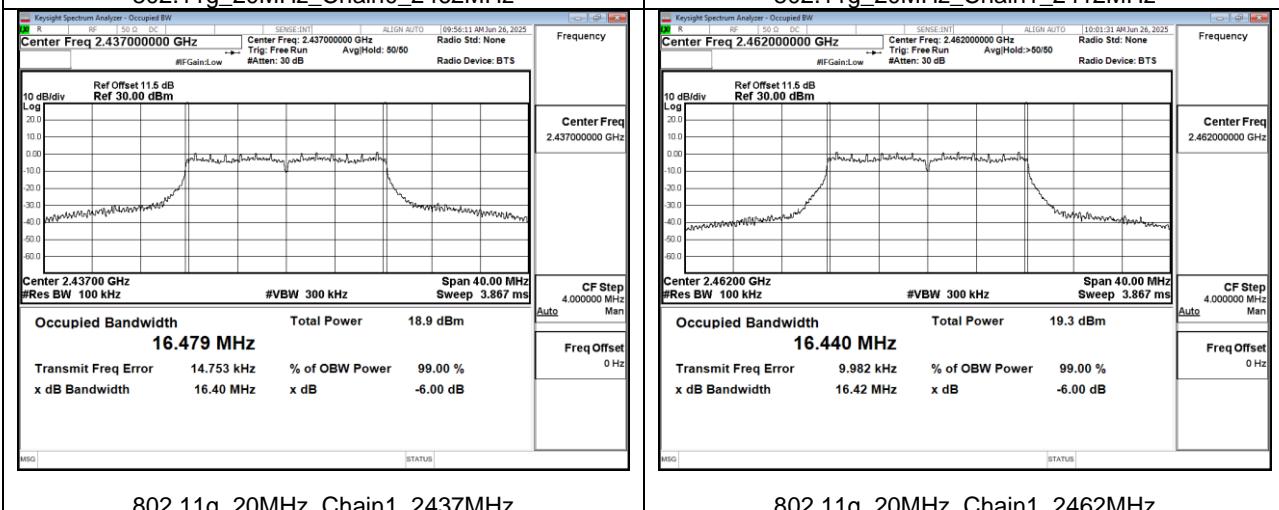
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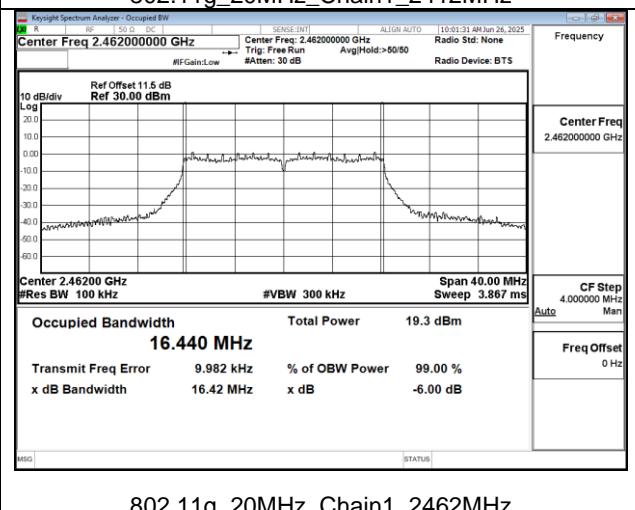
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802.11g\_20MHz\_Chain0\_2412MHz



802.11g\_20MHz\_Chain1\_2412MHz



802.11g\_20MHz\_Chain1\_2462MHz

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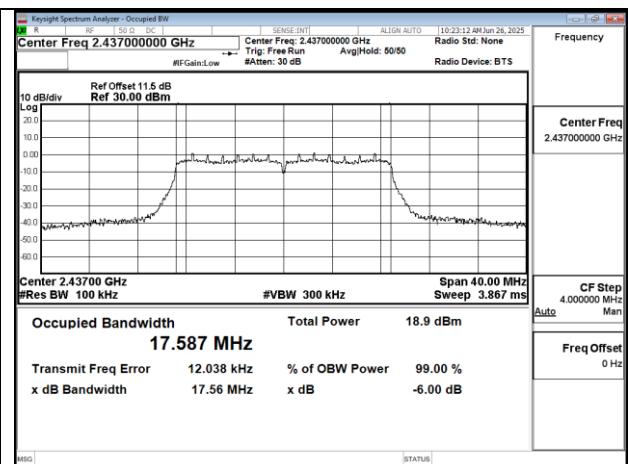
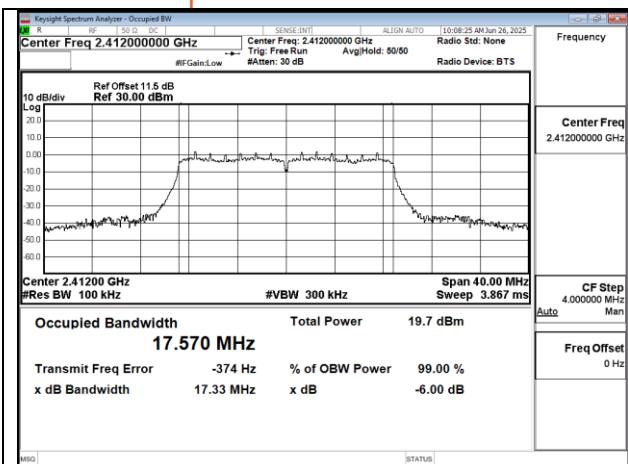
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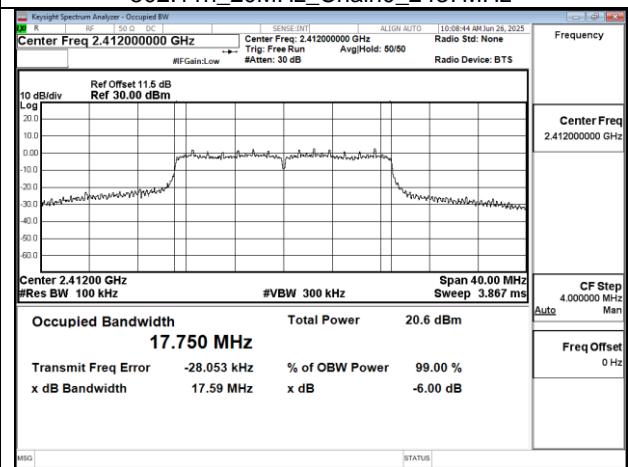
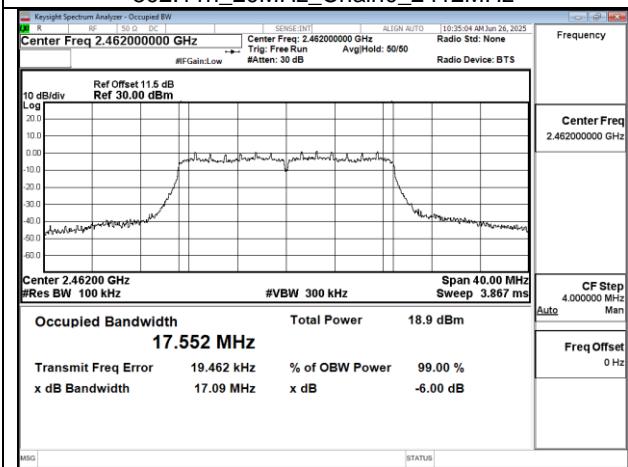
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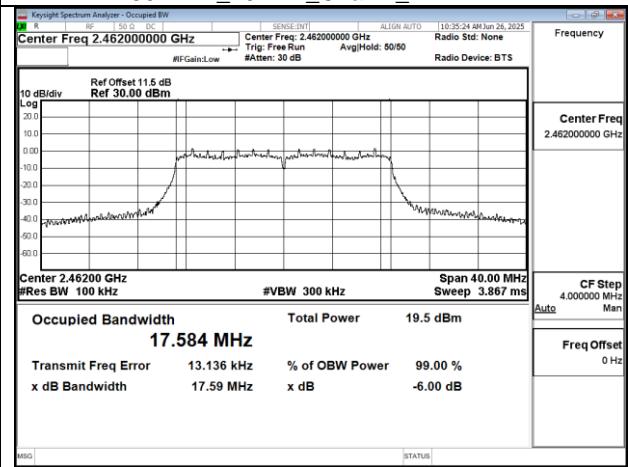
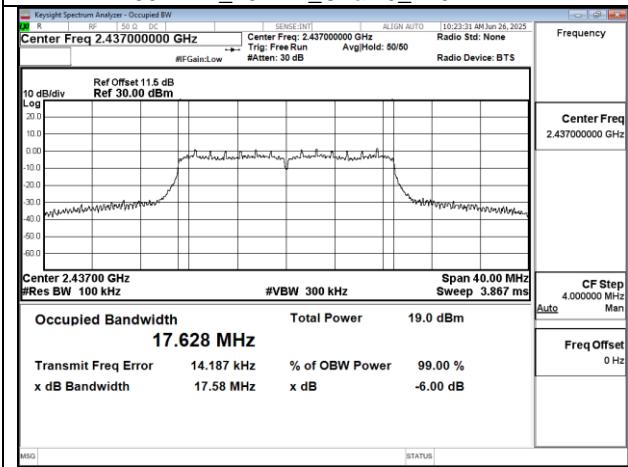


802.11n\_20MHz\_Chain0\_2412MHz



802.11n\_20MHz\_Chain0\_2437MHz

802.11n\_20MHz\_Chain0\_2462MHz



802.11n\_20MHz\_Chain1\_2437MHz

802.11n\_20MHz\_Chain1\_2462MHz

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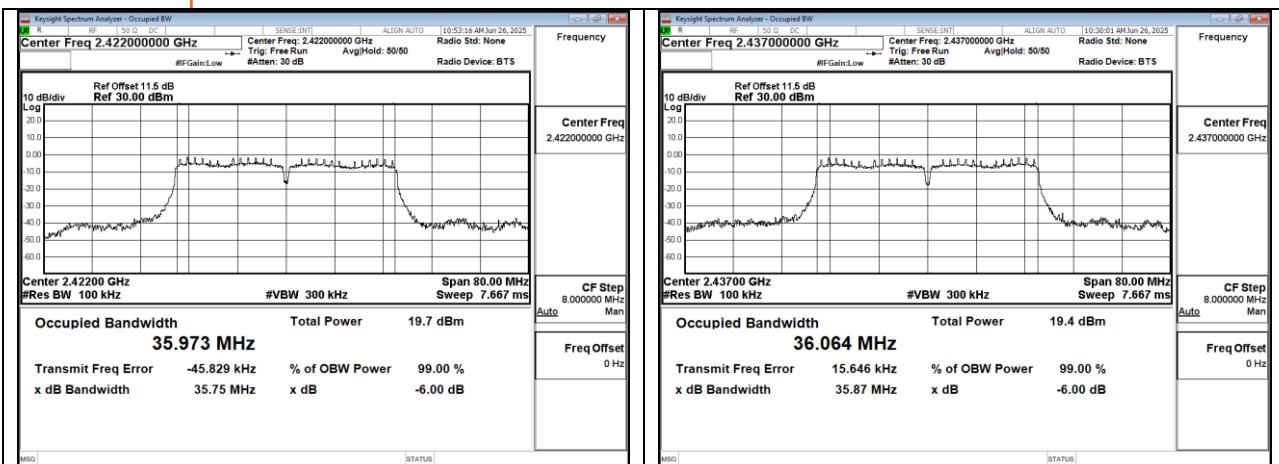
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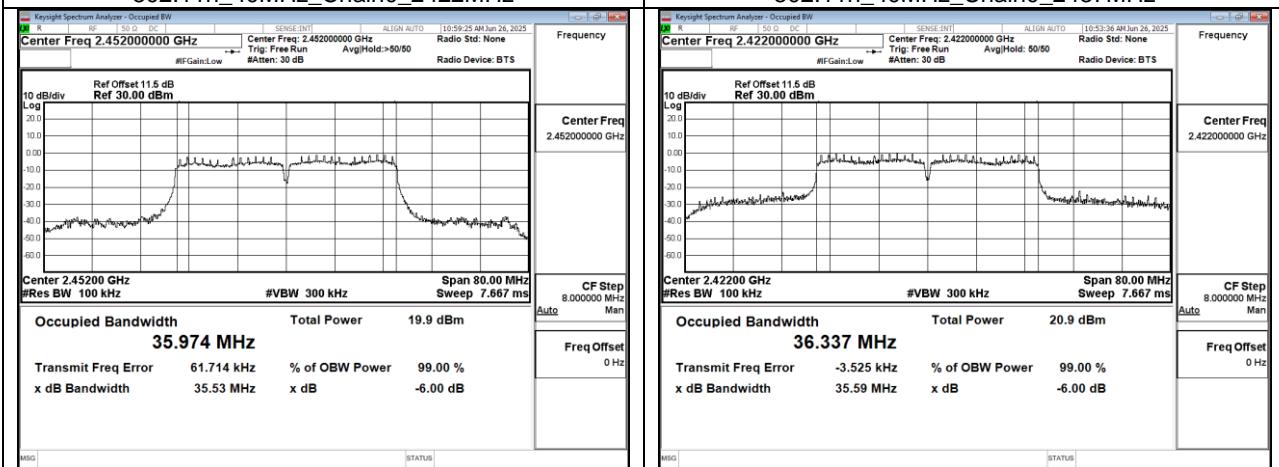
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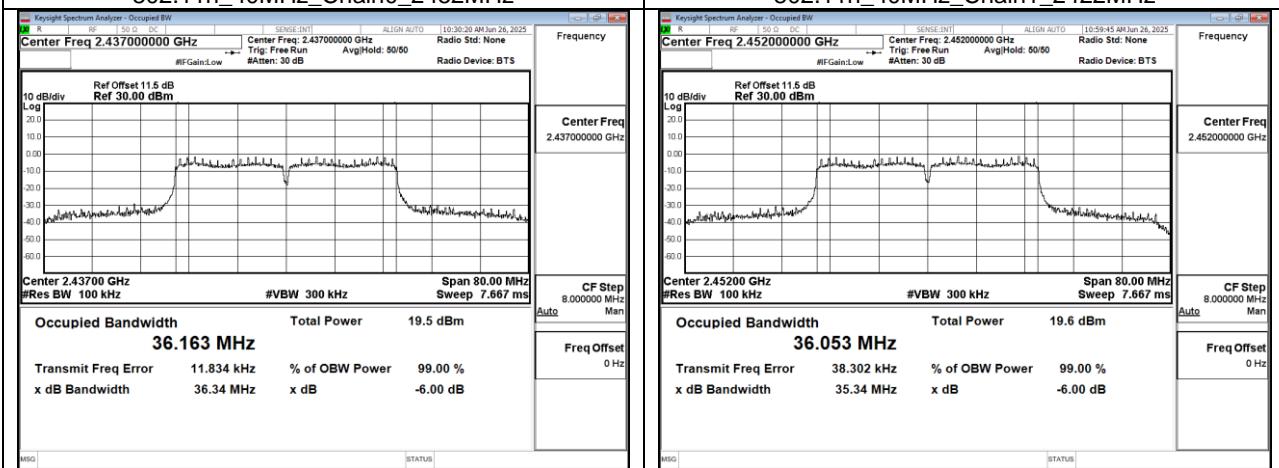
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802.11n\_40MHz\_Chain0\_2422MHz



802.11n\_40MHz\_Chain0\_2452MHz



802.11n\_40MHz\_Chain1\_2437MHz

802.11n\_40MHz\_Chain1\_2452MHz

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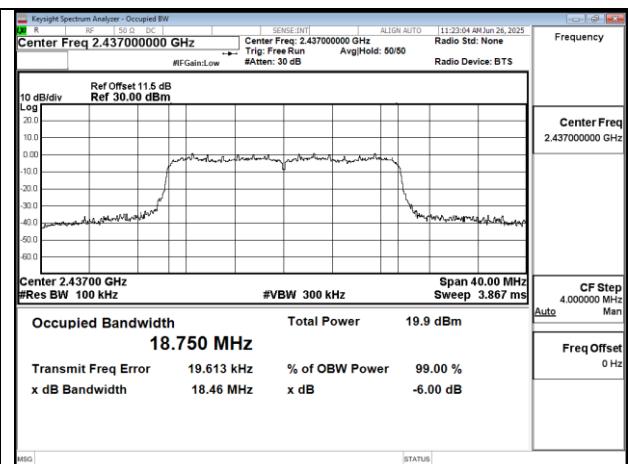
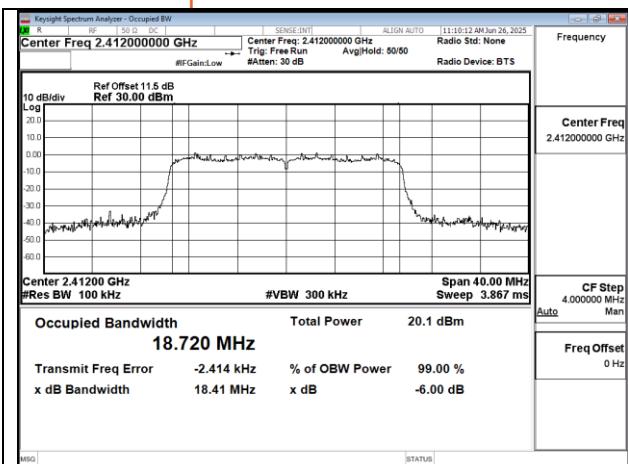
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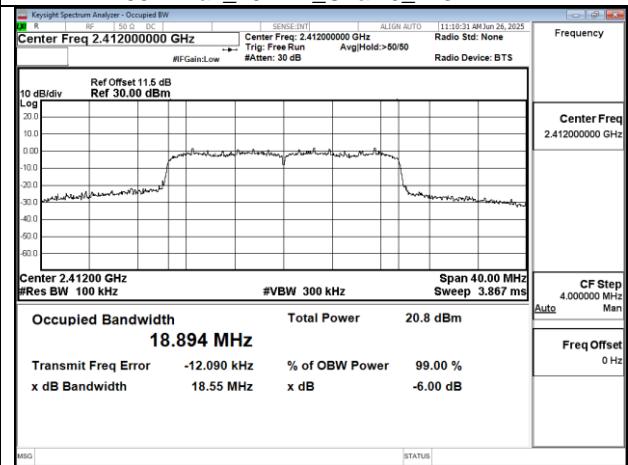
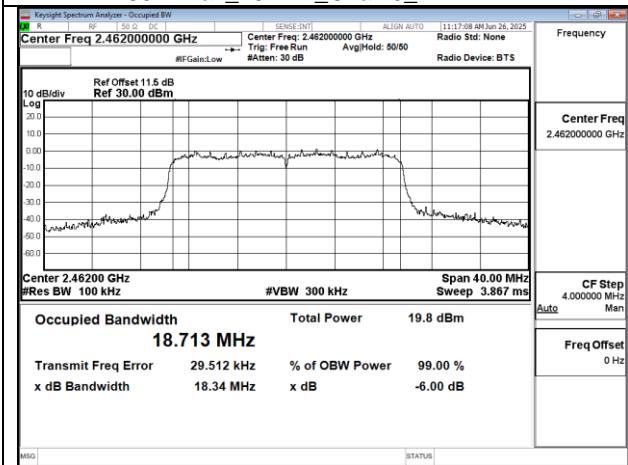
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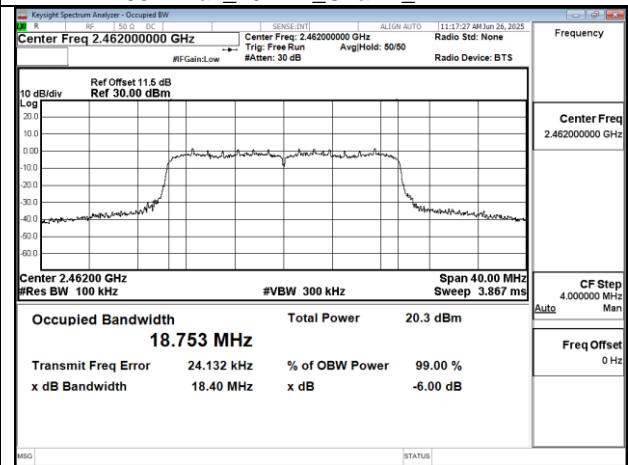
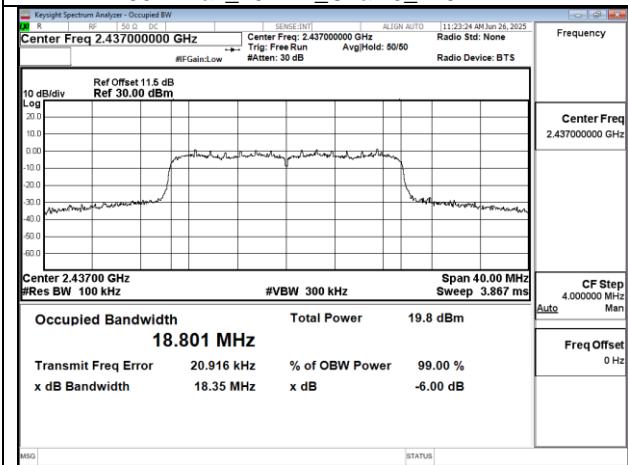
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### 802.11ax\_20MHz\_Chain0\_2412MHz



### 802.11ax\_20MHz\_Chain0\_2462MHz



### 802.11ax\_20MHz\_Chain1\_2437MHz

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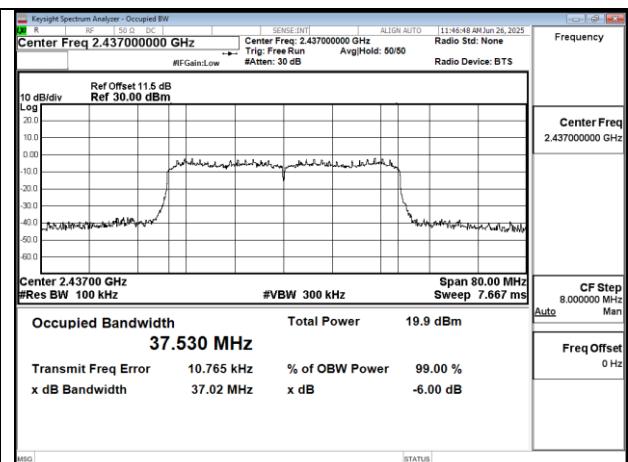
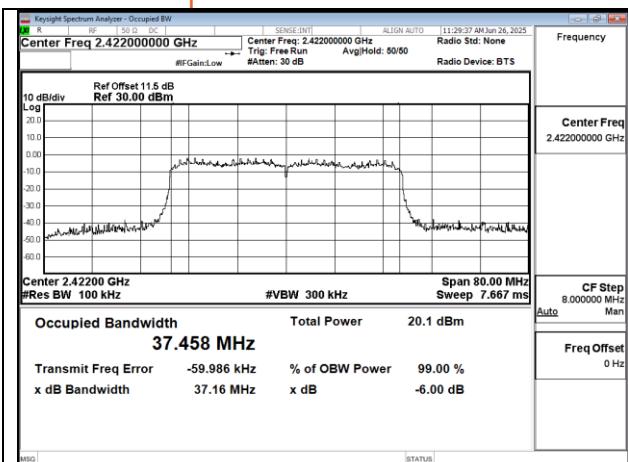
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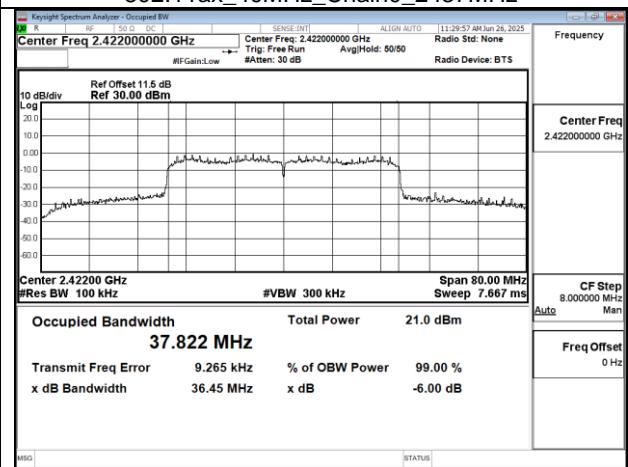
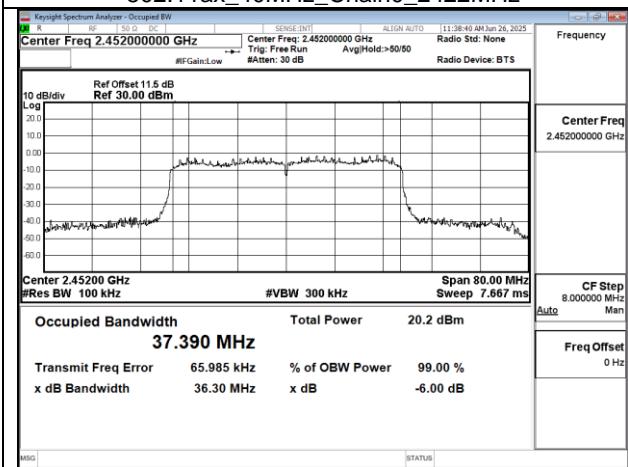
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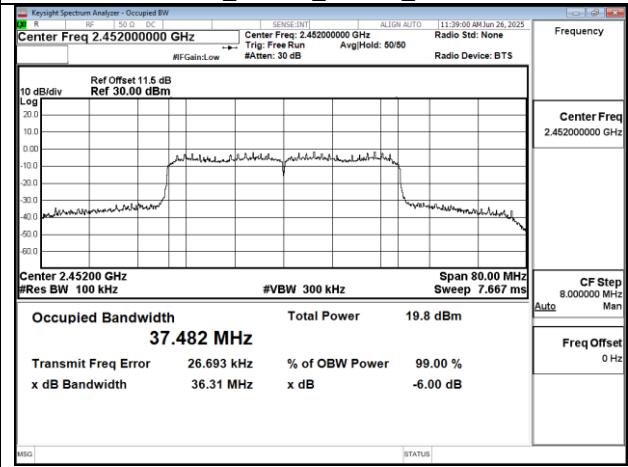
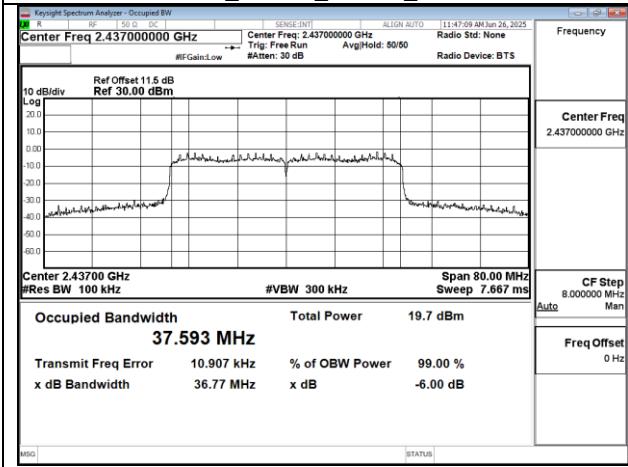
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### 802.11ax\_40MHz\_Chain0\_2422MHz



### 802.11ax\_40MHz\_Chain1\_2422MHz



### 802.11ax\_40MHz\_Chain1\_2437MHz

### 802.11ax\_40MHz\_Chain1\_2452MHz

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**9.4.2 99% Bandwidth****802.11b Ch0**

<b>Freq. (MHz)</b>	<b>99% BW (MHz)</b>
2412	13.314
2437	13.427
2462	13.391

**802.11b Ch1**

<b>Freq. (MHz)</b>	<b>99% BW (MHz)</b>
2412	13.193
2437	13.755
2462	13.418

**802.11g Ch0**

<b>Freq. (MHz)</b>	<b>99% BW (MHz)</b>
2412	16.786
2437	16.812
2462	16.72

**802.11g Ch1**

<b>Freq. (MHz)</b>	<b>99% BW (MHz)</b>
2412	16.929
2437	16.748
2462	16.66

**802.11n\_HT20M Ch0**

<b>Freq. (MHz)</b>	<b>99% BW (MHz)</b>
2412	17.694
2437	17.69
2462	17.646

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**802.11n\_HT20M Ch1**

<b>Freq. (MHz)</b>	<b>99% BW (MHz)</b>
2412	17.898
2437	17.738
2462	17.667

**802.11n\_HT40M Ch0**

<b>Freq. (MHz)</b>	<b>99% BW (MHz)</b>
2422	36.271
2437	36.374
2452	36.215

**802.11n\_HT40M Ch1**

<b>Freq. (MHz)</b>	<b>99% BW (MHz)</b>
2422	36.538
2437	36.304
2452	36.233

**802.11ax\_HE20M Ch0**

<b>Freq. (MHz)</b>	<b>RU Config</b>	<b>99% BW (MHz)</b>
2412	full	18.768
2437	full	18.799
2462	full	18.741

**802.11ax\_HE20M Ch1**

<b>Freq. (MHz)</b>	<b>RU Config</b>	<b>99% BW (MHz)</b>
2412	full	18.89
2437	full	18.829
2462	full	18.781

**802.11ax\_HE40M Ch0**

<b>Freq. (MHz)</b>	<b>RU Config</b>	<b>99% BW (MHz)</b>
2422	full	37.587
2437	full	37.648
2452	full	37.551

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## 802.11ax\_HE40M Ch1

Freq. (MHz)	RU Config	99% BW (MHz)
2422	full	37.725
2437	full	37.651
2452	full	37.559

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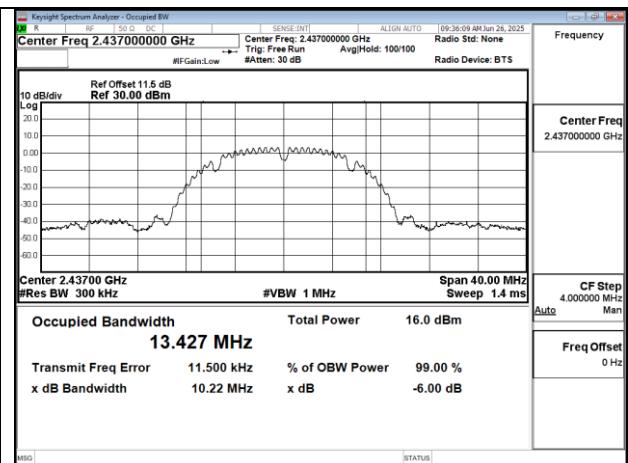
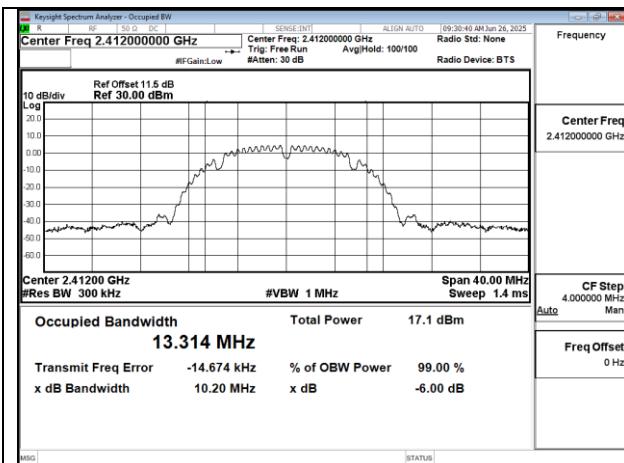
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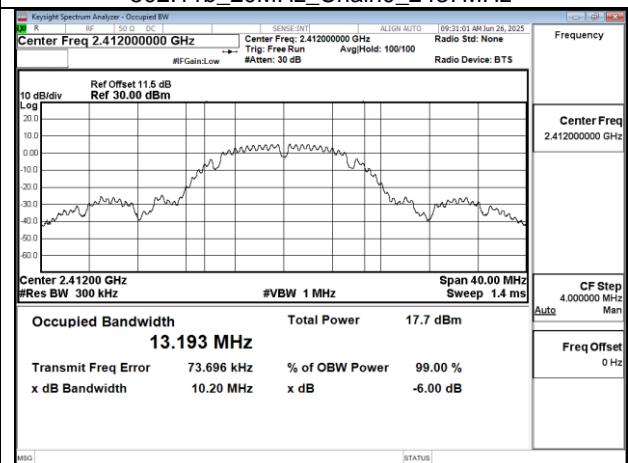
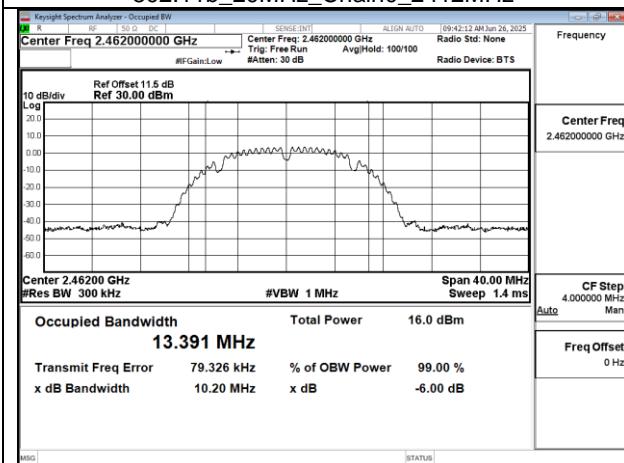
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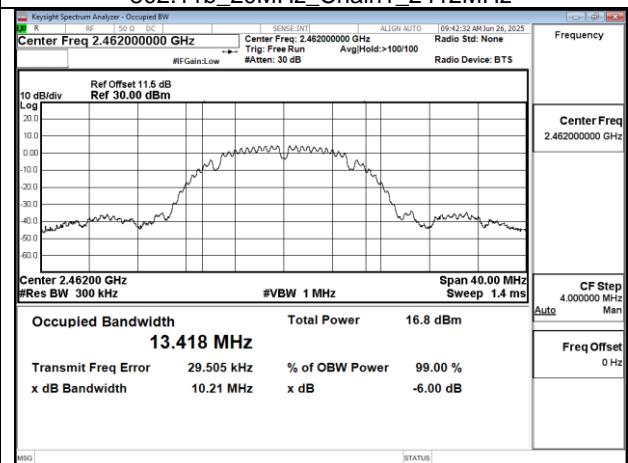
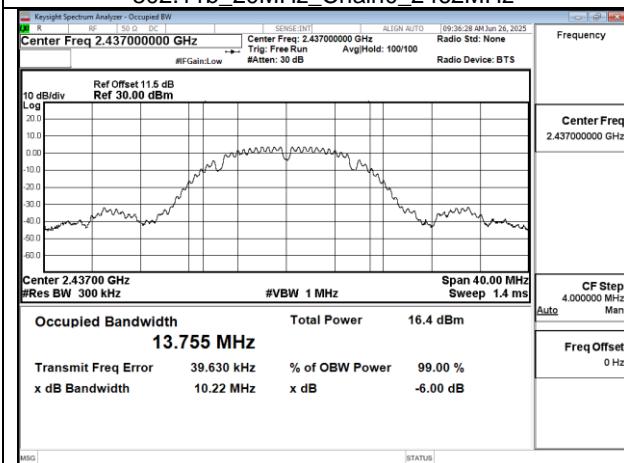
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### 802.11b\_20MHz\_Chain0\_2412MHz



### 802.11b\_20MHz\_Chain0\_2462MHz



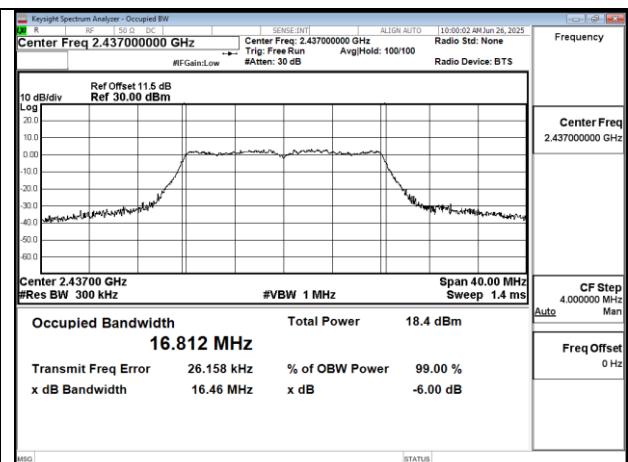
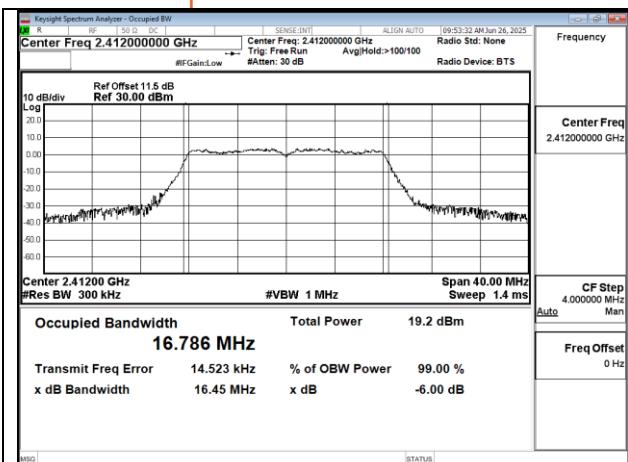
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### 802.11b\_20MHz\_Chain1\_2462MHz

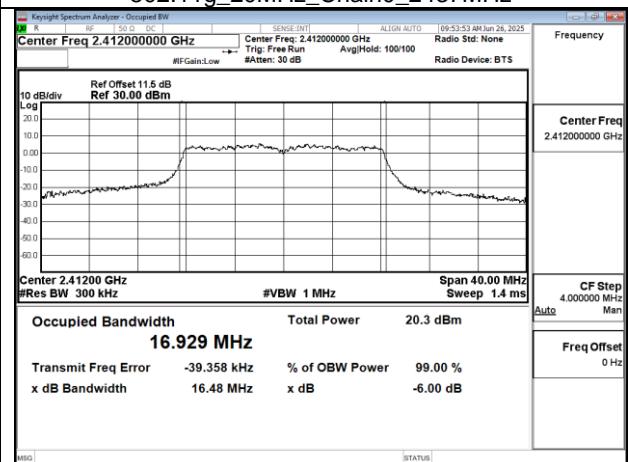
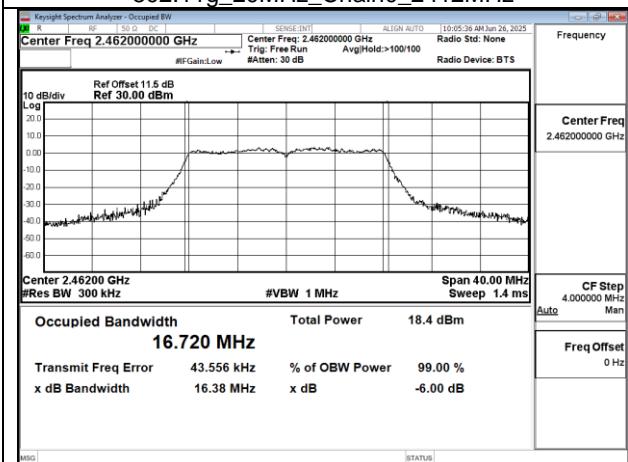
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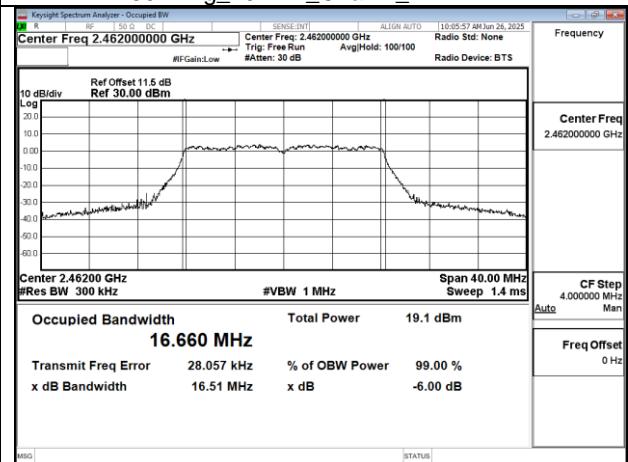
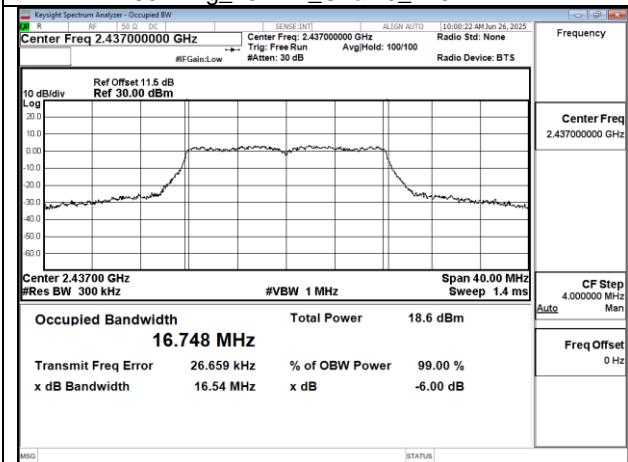
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802.11g\_20MHz\_Chain0\_2412MHz



802.11g\_20MHz\_Chain0\_2462MHz



802.11g\_20MHz\_Chain1\_2412MHz

802.11g\_20MHz\_Chain1\_2462MHz

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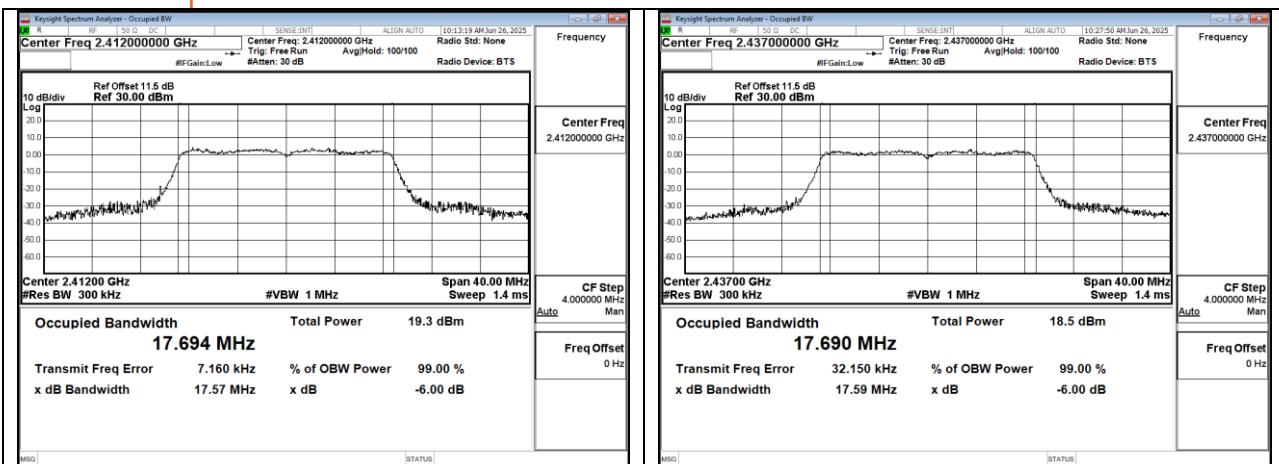
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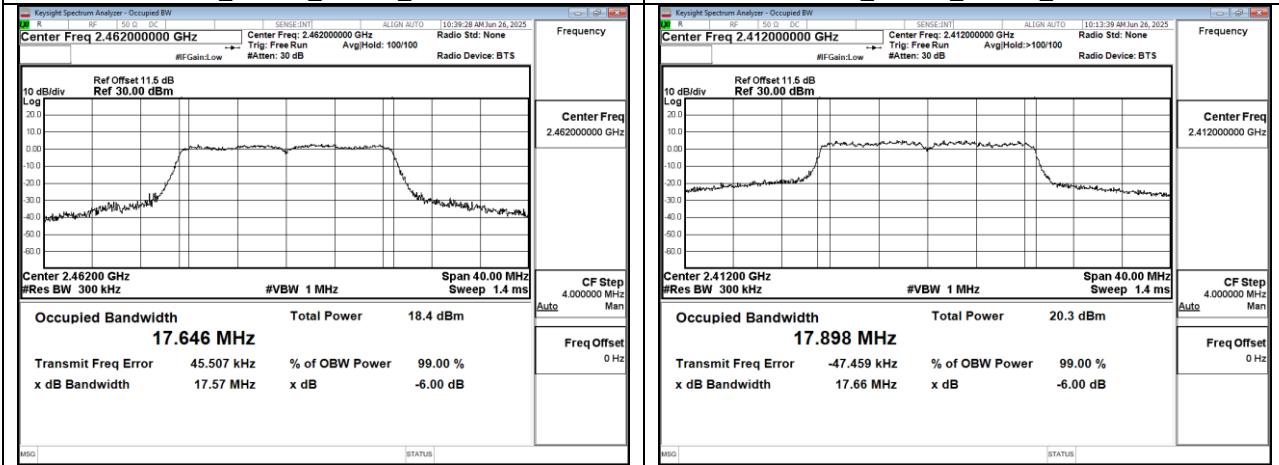
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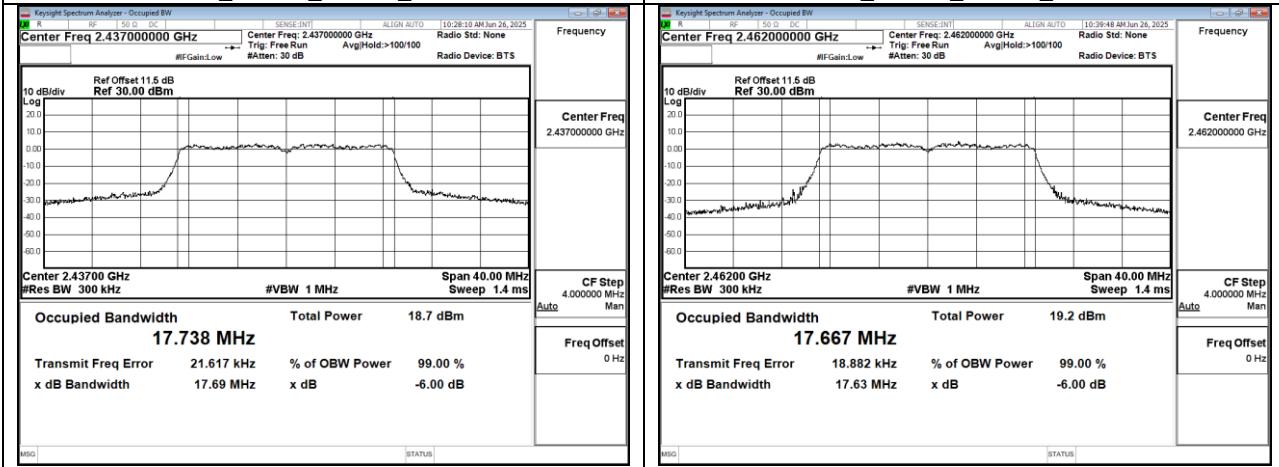
802.11n\_20MHz\_Chain0\_2412MHz

802.11n\_20MHz\_Chain0\_2437MHz



802.11n\_20MHz\_Chain0\_2462MHz

802.11n\_20MHz\_Chain0\_2412MHz



802.11n\_20MHz\_Chain1\_2437MHz

802.11n\_20MHz\_Chain1\_2462MHz

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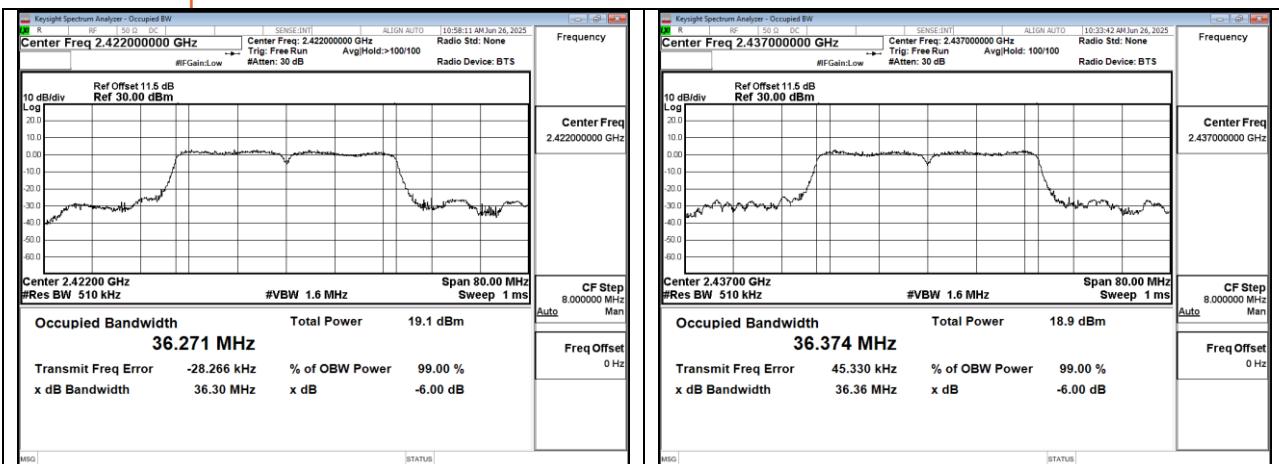
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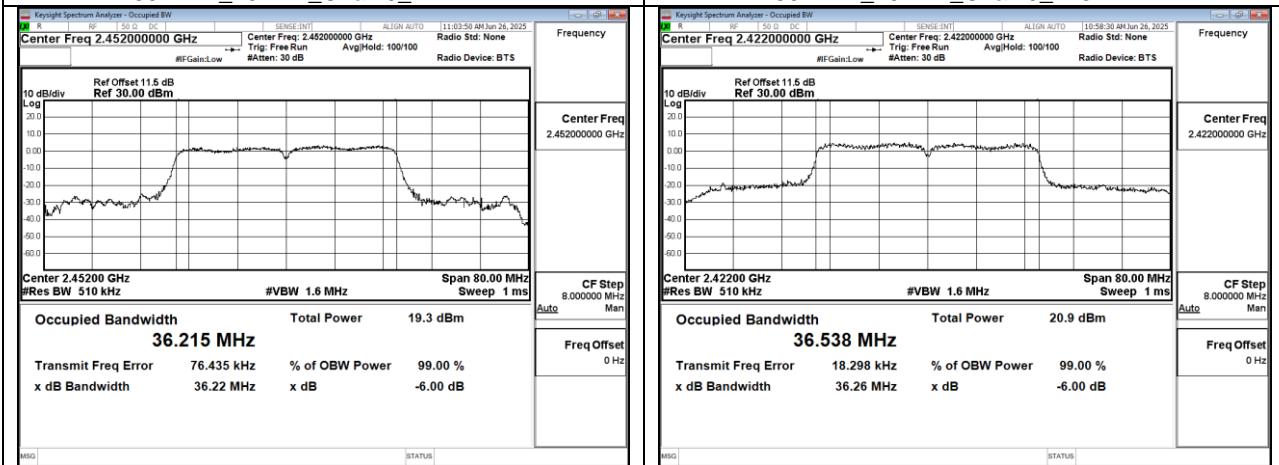
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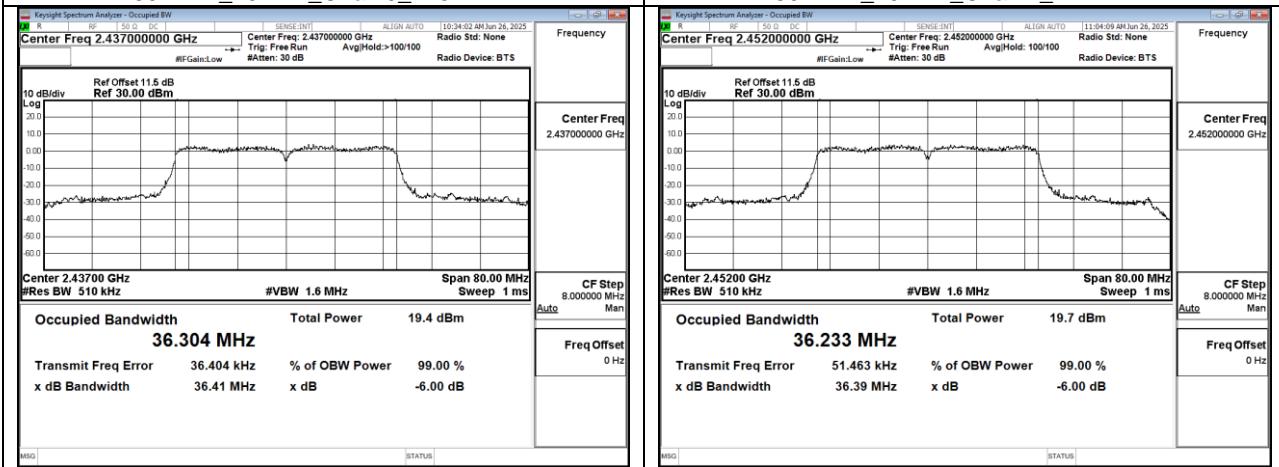
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802.11n\_40MHz\_Chain0\_2422MHz



802.11n\_40MHz\_Chain0\_2437MHz



802.11n\_40MHz\_Chain1\_2422MHz

802.11n\_40MHz\_Chain1\_2437MHz

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