

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



EUT Description: VR Headset
Applicant: Valve Corporation
10400 NE 4th Street, Suite 1400, Bellevue, WA 98004, USA
Manufacturer: Valve Corporation
10400 NE 4th Street, Suite 1400, Bellevue, WA 98004, USA
Brand Name: VALVE
Model No. 1015
Report Number: TERF2504001430E2
FCC ID 2AES4-1015
Date of EUT Received: April 15, 2025
Date of Test: N/A, the test results are fully leveraged from test report number TERF2504001439E2, for more details please refer to section 2 in this report.
Issue Date: July 15, 2026

Approved By

Jay Lin

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 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
TERF2504001430E2	00	Original	March 17, 2026	Karen Huang	
TERF2504001430E2	01	add p.7 directional gain calculation	May 11, 2026	Karen Huang	*
TERF2504001430E2	02	Modify Comment	July 15, 2026	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.....	5
1.1	Product Description	5
1.2	RF Specification	6
1.3	Antenna Designation	7
1.4	Operating Frequencies.....	7
1.5	EUT Availability and The Worst Test Modes	8
2	SUMMARY OF TEST RESULTS	11
2.1	Test Methodology of Applied Standards.....	11
2.2	Measurement Uncertainty	12
2.3	Test Facility	13
3	Control Unit(s) and peripheral(s).....	14
3.1	EUT Exercise	14
3.2	Diagrams.....	14
3.3	List	15
4	TEST INSTRUMENT	16
4.1	Conducted Measurement	16
4.2	Radiated Measurement	17
4.3	Emission from AC power line.....	18
5	REGULATORY REQUIREMENTS.....	19
5.1	Emission Bandwidth	19
5.2	Duty Cycle.....	19
5.3	Maximum Output Power.....	19
5.4	Maximum Power Spectral Density.....	19
5.5	Out of Band Emission.....	20
5.6	Unwanted Emissions.....	20
5.7	AC Power Line Conducted Emission.....	21
5.8	Antenna Requirement	21
6	TEST CONFIGURATION	22
6.1	Emission Bandwidth	22
6.2	Maximum Output Power.....	23
6.3	Maximum Power Spectral Density.....	24
6.4	Out of Band Emission.....	25
6.5	Unwanted Emissions.....	27
6.6	AC Power Line Conducted Emission.....	31
7	TEST RESULTS.....	32
7.1	Emission Bandwidth	32
7.2	Duty Cycle.....	50
7.3	Maximum Output Power.....	55
7.4	Maximum Power Spectral Density.....	83
7.5	Out of Band Emission.....	95
7.6	Unwanted Emissions.....	115
7.7	Radiated Band Edge Measurement Result.....	115

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7.8	AC Power Line Conducted Emission.....	267
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1 GENERAL INFORMATION

1.1 Product Description

EUT Description	VR Headset
Brand Name	VALVE
Model No.	1015
Power Supply	7.74 Vdc
Test Software (Name/Version)	Qualcomm Sequence Profiling Resource Version 6.00.00212.1

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1.2 RF Specification

WLAN 2.4GHz					
Wi-Fi	Frequency Range	Channels	Rated Power (dBm)		Modulation Technology
			Peak	Avg.	
802.11b	2412~2462	11	26.77	24.04	DSSS
802.11g	2412~2462	11	28.65	23.58	OFDM
802.11n_HT20	2412~2462	11	28.76	23.53	OFDM
802.11n_HT40	2422~2452	7	21.74	15.60	OFDM
802.11ac_VHT20	2412~2462	11	28.67	23.45	OFDM
802.11ac_VHT40	2422~2452	7	21.66	15.54	OFDM
802.11ax_HE20	2412~2462	11	29.07	23.20	OFDMA
802.11ax_HE40	2422~2452	7	22.60	16.57	OFDMA
802.11be_EHT20	2412~2462	11	29.71	23.24	OFDMA
802.11be_EHT40	2422~2452	7	22.61	16.64	OFDMA
Modulation type:		CCK, DQPSK, DBPSK for DSSS in 802.11b			
		64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11g,11n			
		256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11ac			
		1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax			
		4096QAM, 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11be			
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			
		802.11ac_VHT20: up to 173.4Mbps			
		802.11ac_VHT40: up to 400Mbps			
		802.11ax_HE20: up to 286.8Mbps			
		802.11ax_HE40: up to 573.6Mbps			
		802.11be_EHT20: up to 344.1Mbps			
		802.11be_EHT40: up to 688.2Mbps			

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1.3 Antenna Designation

Ant. Type	Brand	Wi-Fi L / Wi-Fi R	Freq. (MHz)	Peak Gain(dBi)
Dipole	WNC	Wi-Fi L	2400~2483.5	3.81
Dipole		Wi-Fi R	2400~2483.5	4.27
Dipole	AWAN	Wi-Fi L	2400~2483.5	3.19
Dipole		Wi-Fi R	2400~2483.5	3.67

DIRECTIONAL GAIN CALCULATION:

$$\begin{aligned} \text{Correlated Directional Gain} &= 10 \cdot \text{LOG}(((10^{(\text{Ant1}/20)} + 10^{(\text{Ant2}/20)})^2)/2) \\ &= 7.05 \end{aligned}$$

$$\begin{aligned} \text{Uncorrelated Directional Gain} &= 10 \cdot \text{LOG}((10^{(\text{Ant1}/10)} + 10^{(\text{Ant2}/10)})/2) \\ &= 4.05 \end{aligned}$$

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. The laboratory does not verify the accuracy of this information, and all test results related to antenna characteristics are based solely on the data supplied. Responsibility for the authenticity and accuracy of these specifications rests entirely with the party who provided the information.
3. The antenna complies with part 15.203 requirement and no consideration of replacement. Please see EUT photo for details.
4. The directional gain is calculated according to section F. 2). f). of FCC KDB 662911 D01. For CDD mode, uncorrelated gain is used for output power measurements and correlated gain is for PSD measurements.

1.4 Operating Frequencies

2400~2483.5 MHz, Bandwidth: 20MHz							
CH	Freq.	CH	Freq.	CH	Freq.	CH	Freq.
1	2412 MHz	2	2417 MHz	3	2422 MHz	4	2427 MHz
5	2432 MHz	6	2437 MHz	7	2442 MHz	8	2447 MHz
9	2452 MHz	10	2457 MHz	11	2462 MHz	-	-
2400~2483.5 MHz, Bandwidth: 40MHz							
CH	Freq.	CH	Freq.	CH	Freq.	CH	Freq.
3	2422 MHz	4	2427 MHz	5	2432 MHz	6	2437 MHz
7	2442 MHz	8	2447 MHz	9	2452 MHz	-	-

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1.5 EUT Availability and The Worst Test Modes

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. 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.
4. Investigation has been done on all the possible configurations for searching the worst case.

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

5. 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	1,2,3,4,5,6,7,8,9,10,11	DSSS	1	2TX
802.11g	1 to 11	1,2,3,4,5,6,7,8,9,10,11	OFDM	6	2TX
802.11n_HT20	1 to 11	1,2,3,4,5,6,7,8,9,10,11	OFDM	MCS0	2TX
802.11n_HT40	3 to 9	3,4,5,6,7,8,9	OFDM	MCS0	2TX

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CONDUCTED TEST						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	1 to 11	1,2,3,4,5,6,7,8,9,10,11	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54	MCS0	2TX
802.11ax_HE40	3 to 9	3,4,5,6,7,8,9	OFDMA	FULL RU 242/61,242/62	MCS0	2TX

CONDUCTED TEST						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11be_EHT20	1 to 11	1,2,3,4,5,6,7,8,9,10,11	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54 52+26MRU1,MRU3 106+26MRU1,MRU2	MCS0	2TX
802.11be_EHT40	3 to 9	3,4,5,6,7,8,9	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
802.11be20	1 to 11	1,6,11	OFDMA	MCS0	2TX
802.11be40	3 to 9	3,6,9	OFDMA	MCS0	2TX

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2 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result	Note	Referenced report
§15.207(a)	AC Power Line Conducted Emission	Compliant		
§15.247(b) (3)	Peak Output Power	Compliant		
§15.247(a)(2)	Emission Bandwidth	Compliant		
§15.205 §15.209 §15.247(d)	Out of Band Emission	Compliant		
§15.205 §15.209 §15.247(d)	Unwanted Emission	Compliant		
§15.247(e)	Power Spectral Density	Compliant		
§15.203	Antenna Requirement	Compliant		

Note

1. N/S Indicates whether item(s) being newly tested [N] or spot checked [S].
2. Items other than newly tested [N] are leveraged from test report TERF2504001439E2.

2.1 Test Methodology of Applied Standards

1. ANSI C63.10:2020
2. FCC Part 15, Subpart C §15.247
3. FCC KDB 558074 D01 15.247 Meas Guidance v05r02
4. FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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2.2 Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.61 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	+/- 0.60 °C
Humidity	+/- 3.00 %
DC / AC Power Source	+/- 1.00 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.41 dB	1GHz - 18GHz
	+/- 3.89 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.41 dB	1GHz - 18GHz
	+/- 3.89 dB	18GHz - 40GHz
Radiated Spurious Emission	+/- 2.00 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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2.3 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number / Registration Number	IC CAB identifier / Company Number
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803	SAC 1 / SAC 2 / SAC 3 Conduction 1 / Conducted 1 Conducted 2 / Conducted 3 Conducted 4 / Conducted 5 Conducted 6	TW0027 / 891563	TW3702 / 4620A
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.2, Keji 1st Rd, Guishan District, Taoyuan City, Taiwan 333	SAC C / SAC D / SAC G Conduction C/ Conducted A Conducted B / Conducted C Conducted D / Conducted E Conducted F / Conducted G	TW0028 / 200037	TW3702 / 4620E

Measurement	Test Site Name	Test Engineer	EUT S/N	Test Environment	Test Date
Conducted	Conducted E	Henry Chiang	FPGAC503000A0	22.1~22.9°C / 64~68%	2025/05/16 ~ 2026/03/09
Radiated	SAC D	Temo Chen	FPGAC50600016	21.0~26.0°C / 53~66%	2025/05/15 ~ 2025/10/14
Conduction	Conduction C	Temo Chen	FPGAC50600016	26°C / 68%	2025/05/28 ~ 2025/05/28

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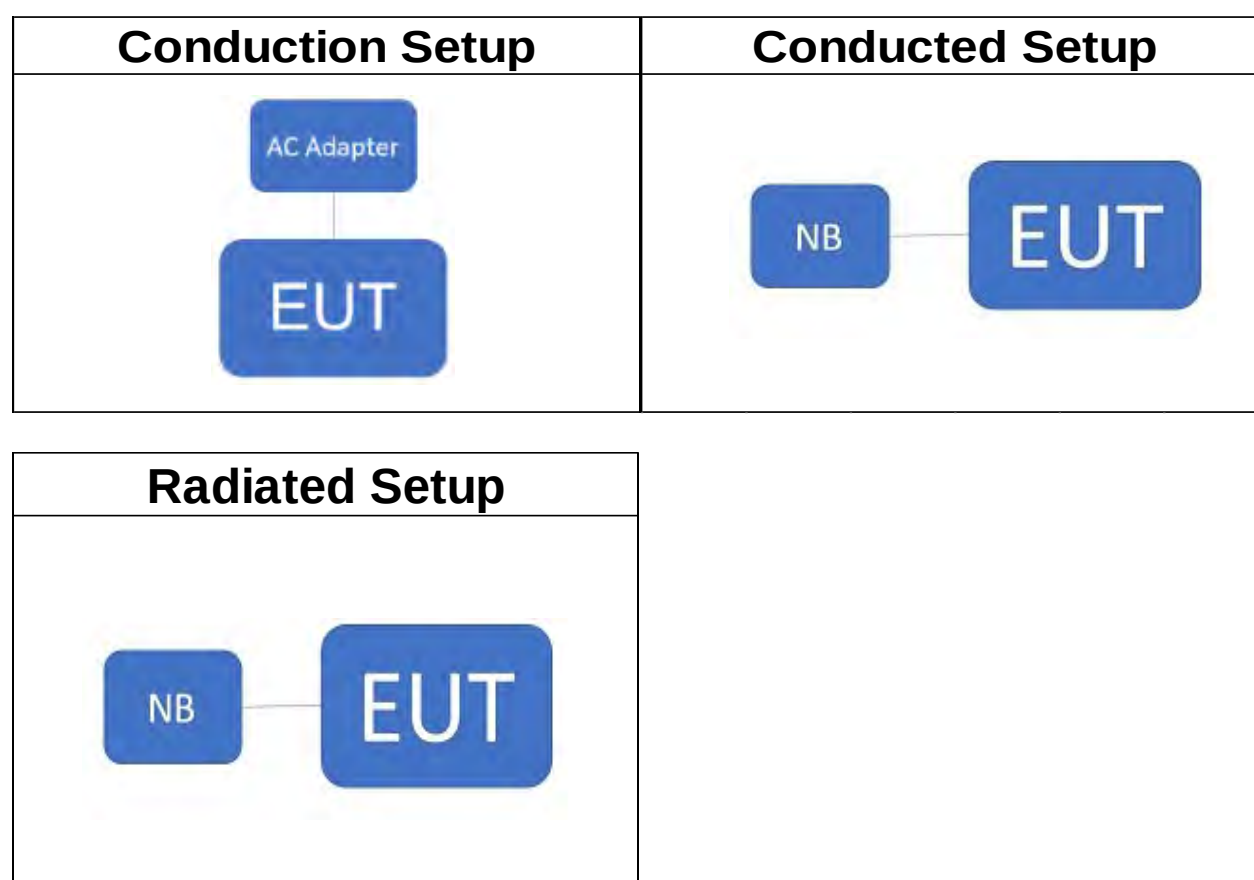
3 CONTROL UNIT(S) AND PERIPHERAL(S)

3.1 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.

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.

3.2 Diagrams



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3.3 List

3.3.1 Conduction Setup

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	Chicony	W20-045N1A	N/A	N/A	N/A

3.3.2 Conducted Setup

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
USB Cable	PowerSync	CUBCVARA0010	N/A	N/A	N/A
Notebook	HP	HSN-Q35C-4	P0003860	N/A	N/A

3.3.3 Radiated Setup

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	HP	HSN-Q35C-4	P0004691	N/A	N/A
USB Cable	Songwin	TC-CH-BK	N/A	N/A	N/A

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4 TEST INSTRUMENT

4.1 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	RF25	11/14/2024	11/13/2025
Attenuator	Marvelous	MVE2213-10	RF25	11/13/2025	11/12/2026
DC Block	PASTERNAK	PE8210	RF35	11/14/2024	11/13/2025
DC Block	PASTERNAK	PE8210	RF35	11/13/2025	11/12/2026
Power Meter	Anritsu	ML2496A	1326001	08/19/2024	08/18/2025
Power Sensor	Anritsu	MA2411B	1315048	08/19/2024	08/18/2025
Power Sensor	Anritsu	MA2411B	1315049	08/19/2024	08/18/2025
Power Meter	Anritsu	ML2496A	1326001	07/29/2025	07/28/2026
Power Sensor	Anritsu	MA2411B	1315048	07/29/2025	07/28/2026
Power Sensor	Anritsu	MA2411B	1315049	07/29/2025	07/28/2026
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	10/16/2024	10/15/2025
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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4.2 Radiated Measurement

Radiated Emission Test Site: SAC D					
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
3m Site NSA	SGS	966 chamber D	N/A	04/30/2025	04/29/2026
Active Loop Antenna	COM-POWER	AL-130R	10160105	12/11/2024	12/10/2025
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	12/17/2024	12/16/2025
Coaxial Cable	EMCI+Huber Suhner	EMCCFD400-NM- NM- 8000+EMCCFD400- NM-NM- 5000+SUCOFLEX10 0+EMC104-SM-SM- 2000+EMC104-SM- SM-8000+EMC104- SM-SM-5000	210216+210217+8 4103701/15+16010 5+210217+210220	11/14/2024	11/13/2025
Coaxial Cable	EMCI+Huber Suhner	RG 214/U+EMC104- SM-SM- 500+SUCOFLEX 104+16+EMC105- SM-SM- 11000+EMC106- SM-SM-2300	W22.01+W21.01+1 50707+MY969/4+1 6+190825+150702	11/14/2024	11/13/2025
High Pass Filter	WI	WHKX10-2624- 3200-18000-80SS	RF176	11/14/2024	11/13/2025
Horn Antenna	Schwarzbeck	BBHA9170	185	08/07/2025	08/06/2026
Horn Antenna	Schwarzbeck	BBHA9170	185	08/15/2024	08/14/2025
Horn Antenna	RF SPIN	DRH18-E	210105A18E	04/15/2025	04/14/2026
Horn Antenna	Schwarzbeck	BBHA9120D	1187	02/05/2025	02/04/2026
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/29/2025	05/28/2026
Pre-Amplifier	EMC Instruments	EMC118A45SE	980815	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC12630SE	980273	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC184045SEE	980881	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/14/2024	11/13/2025
Spectrum Analyzer	KEYSIGHT	N9010B	MY60240506	06/23/2025	06/22/2026
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	10/16/2024	10/15/2025
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

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4.3 Emission from AC power line

Radiated 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	Anritsu	N9038A	MY52260216	11/20/2024	11/19/2025
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	974	06/26/2024	06/25/2025
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

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

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5 REGULATORY REQUIREMENTS

5.1 Emission Bandwidth

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

5.2 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.

5.3 Maximum Output Power

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.

5.4 Maximum Power Spectral Density

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

The power spectral density shall be determined using the same method as is used to determine the maximum conducted output power.

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5.5 Out of Band Emission

For emissions in non-restricted frequency bands, in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS aver-aging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

5.6 Unwanted Emissions

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS aver-aging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

In addition, radiated emissions which fall in the restricted bands must also comply with the applicable radiated emission limits as defined in the general emission limit tables.

Moreover, for an intentional radiator operating below 10 GHz, the frequency range of measurements shall extend up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3
Note: The lower limit shall apply at the transition frequencies.		

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5.7 AC Power Line Conducted Emission

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		

5.8 Antenna Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

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6 TEST CONFIGURATION

6.1 Emission Bandwidth



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.
3. 6dB BW measurements
The testing is performed in accordance with the applicable regulatory measurement procedure.
Set the spectrum analyzer as
RBW= 1% to 5% of the OBW but not less than 100 kHz,
VBW $\geq 3 \times$ RBW,
Span= 2 to 5 times of the OBW,
Sweep=Auto, Detector = Peak, and Trace mode = Max Hold.
Use the X dB bandwidth mode function of the spectrum analyzer and set to 6dB.
Repeat above procedures until all test default channel is completed.
4. 99% BW measurements
The testing is performed in accordance with the applicable regulatory measurement procedure.
Set the spectrum analyzer as
RBW= 1 % to 5% of 99% without going below 10kHz,
VBW $\geq 3 \times$ RBW,
Span= 1.5 to 5 times of the OBW,
Sweep=Auto, Detector = Peak, and Trace mode = Max Hold.
Use the 99% power bandwidth function of the spectrum analyzer.
Repeat above procedures until all test default channel is completed.

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6.2 Maximum Output Power

6.2.1 Duty Cycle



Place the EUT on the table and set it in transmitting mode.

Set the spectrum analyzer as

Center Frequency = fundamental frequency

Span = Zero,

RBW = 8 MHz,

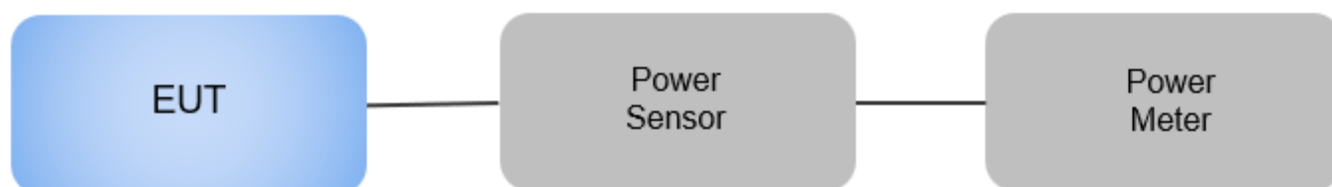
VBW = 8 MHz,

Detector = Peak,

Allow trace to fully stabilize.

Use the delta marker function to determine the ON and OFF times.

6.2.2 Maximum Output Power



1. The testing is performed in accordance with the applicable output power measurement procedure.
2. Place the EUT on the table and set it to transmit mode.
3. Remove the antenna from the EUT and connect a low-loss RF cable from the antenna port to the power meter.
4. The power meter is used as auxiliary test equipment to conduct the output power measurement. Record the maximum reading as observed from the spectrum analyzer or power meter.

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

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

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6.3 Maximum Power Spectral Density



The test is conducted in accordance with the applicable regulatory measurement procedure.

Set spectrum analyzer center frequency to DTS channel center frequency.

Set the span > 1.5 times the DTS channel bandwidth.

Set the RBW = 3 kHz and VBW = 10 kHz.

Detector = Peak

Sweep time = Auto Couple.

Trace mode = Max Hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

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6.4 Out of Band Emission



6.4.1 Reference Level of Emission Limit

The testing is performed in accordance with the applicable measurement procedure.

Set the analyzer center frequency to the DTS channel center frequency.

Set the span to 1.5 times the DTS channel bandwidth.

Set RBW = 100 kHz and VBW = 300 kHz.

Detector = peak

Sweep time = Auto Couple.

Trace mode = Max Hold.

Allow the trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

6.4.2 Conducted Band Edge

1. The testing is performed in accordance with the applicable measurement procedure.
2. Connect the antenna port of the EUT to the spectrum analyzer.
3. Remove the antenna from the EUT and connect a low-loss RF cable from the antenna port to the spectrum analyzer.
4. Set the start frequency and stop frequency of the spectrum analyzer to encompass the spectrum to be examined.
5. Configure the spectrum analyzer as follows:
 - RBW = 100 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Sweep = Auto
 - Mark the highest reading of the emission as the reference level.
 - Set the display limit as: reference level marker reading -20 dBm.
 - Mark the highest emissions observed outside of the 2400 MHz to 2483.5 MHz band.
6. Repeat the above procedure for each default test channel (low, middle, and high).

6.4.3 Conducted Spurious Emission

1. The testing is performed in accordance with the applicable measurement procedure.
2. Connect the antenna port of the EUT to the spectrum analyzer.

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3. Configure the spectrum analyzer as follows:
 - RBW = 100 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Sweep = Auto.
 - Allow the trace to fully stabilize.
 - Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental emission bandwidth (EBW).
4. Repeat the above procedures until all default test channels (low, middle, and high) have been measured.

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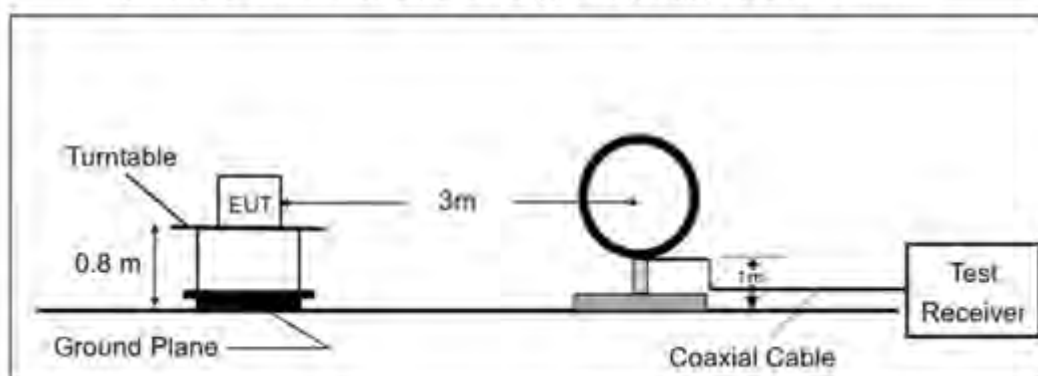
6.5 Unwanted Emissions

For Measurements From 9 kHz To 30 MHz

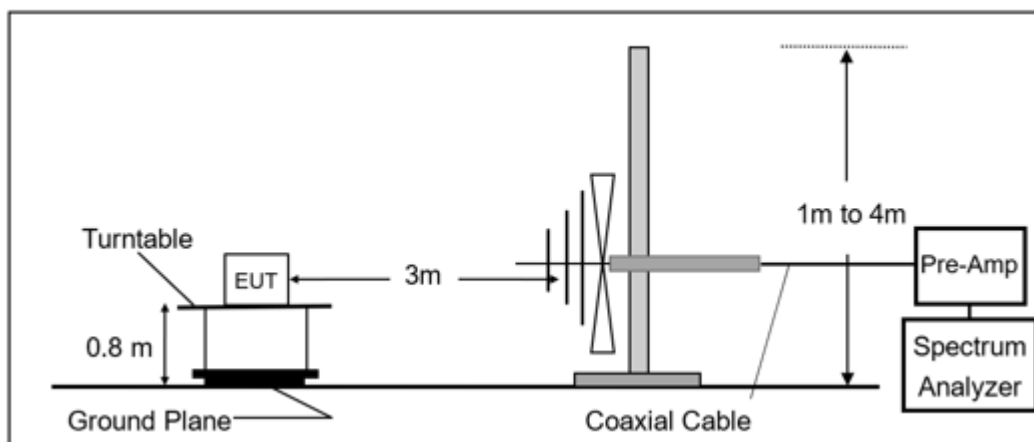
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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

Radiated Emission Test Set-Up, Frequency Below 30MHz.



Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



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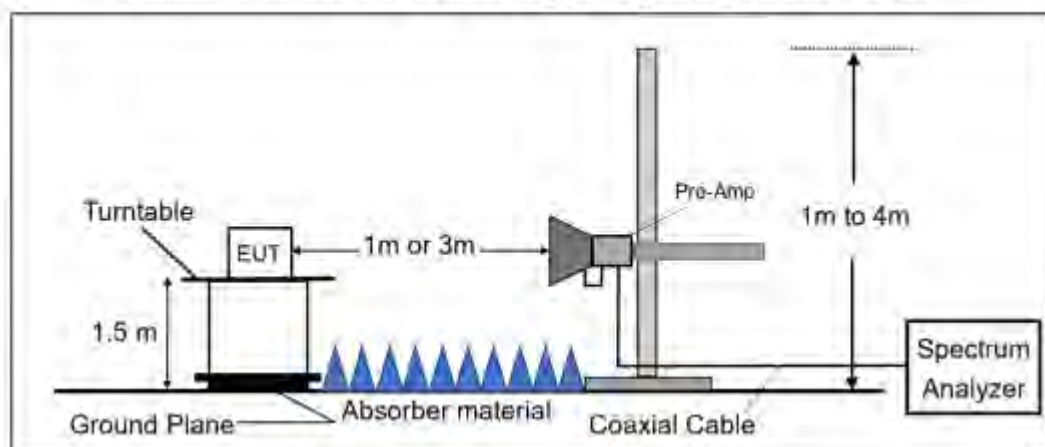
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Radiated Emission Test Set-Up, Frequency Above 1GHz.



1. The testing was performed in accordance with the applicable radiated emission measurement procedure.
2. The EUT was placed on a turntable at a height of 0.8 m for frequencies below 1 GHz and 1.5 m for frequencies above 1 GHz.
3. The turntable was rotated 360 degrees to determine the position of the maximum emission level.
4. The EUT was positioned 3 meters away from the receiving antenna, which was varied in height from 1 m to 4 m to locate the highest emissions.
5. For measurements below 30MHz, set the spectrum analyzer as
 - ☒ For Peak measurement
 - RBW=10 kHz
 - VBW=30 kHz
 - Detector = peak
 - Trace mode = max-hold
 - ☒ For Quasi-peak measurement in receiver mode
 - RBW=10 kHz
 - Detector = Quasi-Peak
 - Peak detection is used unless otherwise noted as quasi-peak.
6. For measurements in 30MHz to 1GHz, set the spectrum analyzer as
 - ☒ For Peak measurement
 - RBW=100 kHz
 - VBW=300 kHz
 - Detector = peak
 - Trace mode = max-hold
 - ☒ For Quasi-peak measurement in receiver mode
 - RBW=120 kHz
 - Detector = Quasi-Peak
 - Peak detection is used unless otherwise noted as quasi-peak.
7. For measurements above 1GHz, set the spectrum analyzer as
 - ☒ For Peak measurement:

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RBW=1 MHz
VBW=3 MHz
Detector = peak
Trace mode = max-hold

☒ For Average measurement:

☒ Duty cycle $\geq 98\%$:

RBW=1 MHz

VBW=3 MHz

Detector = Power averaging (rms)

trace average was performed over at least 100 traces

☒ Duty cycle $< 98\%$

RBW=1 MHz

VBW $\geq 1/T$

Detector = peak

Trace mode = max-hold

☐ Duty cycle $< 98\%$

RBW=1 MHz

VBW ≥ 3 MHz

Detector = Power averaging (rms)

trace average was performed over at least 100 traces

add Duty cycle factor(dB)

☐ Duty cycle factor (DCF)

the average value of pulsed emissions with duty cycle correction factor 20 log (Ton/100ms) from the peak measurement

8. When measuring radiated emissions above 1 GHz, the receiving antenna was maintained within the "cone of radiation" and pointed at the emission source in both azimuth and elevation, with polarization oriented for maximum response, ensuring it remained within the 3 dB illumination beamwidth of the measurement antenna.
9. The six highest emissions were fully maximized using the above procedures to ensure EUT compliance.
10. Each emission was further maximized by changing the receiving antenna polarization between horizontal and vertical.
11. Repeat the above procedures until all default test channels (low, middle, and high) are measured.

Note: Emissions from 9 kHz to 30 MHz were pre-scanned and found to be at least 20 dB below the applicable limits, and are therefore not reported.

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6.5.1 Field Strength Calculation

The field strength is calculated by adding the antenna factor and cable loss, then subtracting the amplifier gain and any applicable duty cycle correction factor from the measured reading. The basic equation and an example calculation are as follows:

$$FS = RA + AF + CL - AG$$

Where:

FS = Field Strength (dB μ V/m)

RA = Reading Amplitude (dB μ V)

AF = Antenna Factor (dB/m)

CL = Cable Loss (dB)

AG = Amplifier Gain (dB)

The emission limit is expressed in dB μ V/m, which corresponds to the logarithmic conversion of $20 \times \log_{10} (\mu\text{V/m})$.

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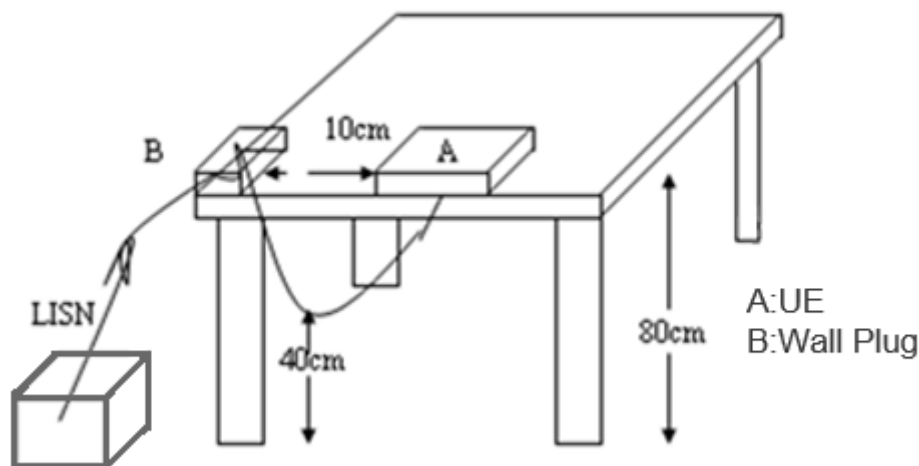
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6.6 AC Power Line Conducted Emission



1. The conducted emission tests were performed at the designated test site using a setup in accordance with ANSI_C63.10
2. The EUT was placed on a non-conductive table that is 0.8 meters above the ground plane. Conducted emissions were measured in the frequency range from 0.15 MHz to 30 MHz using CISPR Quasi-Peak and Average detector modes. The two LISNs provided 50 μ H / 50 ohm coupling impedance for the measuring instrument. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
3. The AC/DC power adaptor of the EUT was connected to the LISN. The EUT was positioned flush with the rear edge of the table, with a minimum 0.4-meter distance from the shielding wall.
4. The LISNs were connected to the power source and configured according to the test requirements.
5. The maximum emission levels were investigated for each mode of operation. The six highest emissions were further maximized to ensure compliance.
6. The above procedures were repeated for all power supply configurations of the EUT.

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7 TEST RESULTS

7.1 Emission Bandwidth

6dB

802.11b Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	8063	≥ 500	PASS
2437	8077	≥ 500	PASS
2462	8031	≥ 500	PASS

802.11b Ch1

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	8084	≥ 500	PASS
2437	8075	≥ 500	PASS
2462	7627	≥ 500	PASS

802.11g Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	16380	≥ 500	PASS
2437	16380	≥ 500	PASS
2462	16410	≥ 500	PASS

802.11g Ch1

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

802.11n HT_20M Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	17650	≥ 500	PASS
2437	17680	≥ 500	PASS
2462	17680	≥ 500	PASS

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802.11n_HT_20M Ch1

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	17650	≥ 500	PASS
2437	17640	≥ 500	PASS
2462	17640	≥ 500	PASS

802.11n_HT_40M Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2422	36430	≥ 500	PASS
2437	36370	≥ 500	PASS
2452	36380	≥ 500	PASS

802.11n_HT_40M Ch1

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2422	36430	≥ 500	PASS
2437	36400	≥ 500	PASS
2452	36350	≥ 500	PASS

802.11be_EHT_20M Ch0

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2412	full	18990	≥ 500	PASS
2437	full	19040	≥ 500	PASS
2462	full	19080	≥ 500	PASS

802.11be_EHT_20M Ch1

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2412	full	19010	≥ 500	PASS
2437	full	19020	≥ 500	PASS
2462	full	19040	≥ 500	PASS

802.11be_EHT_40M Ch0

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2422	full	38200	≥ 500	PASS
2437	full	38120	≥ 500	PASS
2452	full	38050	≥ 500	PASS

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802.11be_EHT_40M Ch1

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2422	full	38070	≥ 500	PASS
2437	full	38140	≥ 500	PASS
2452	full	38070	≥ 500	PASS

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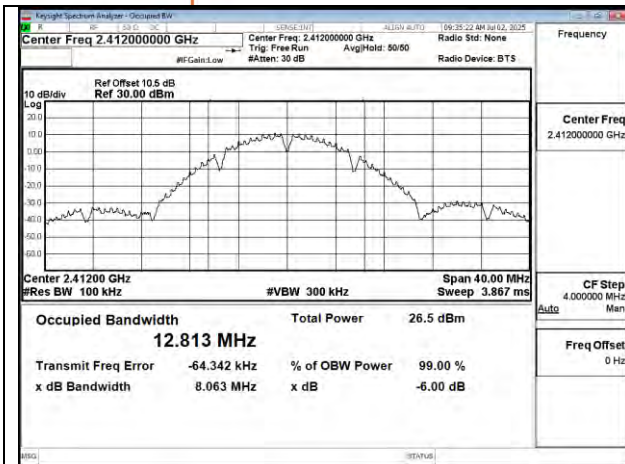
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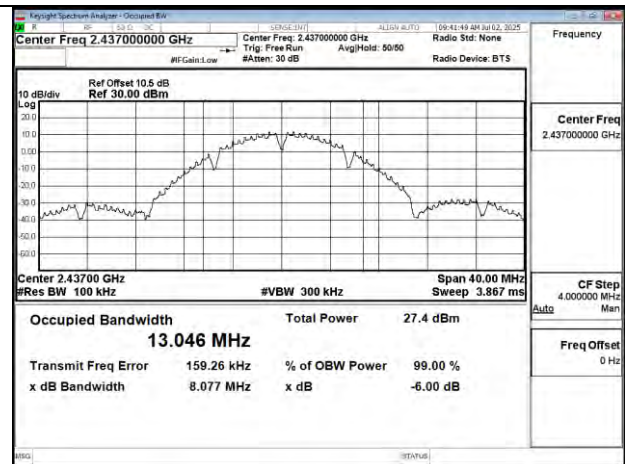
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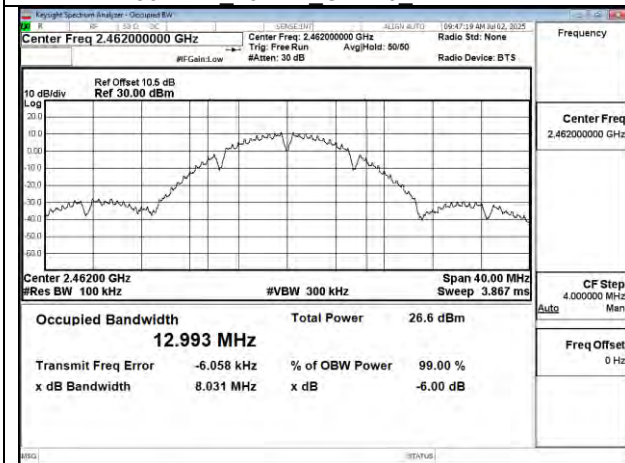
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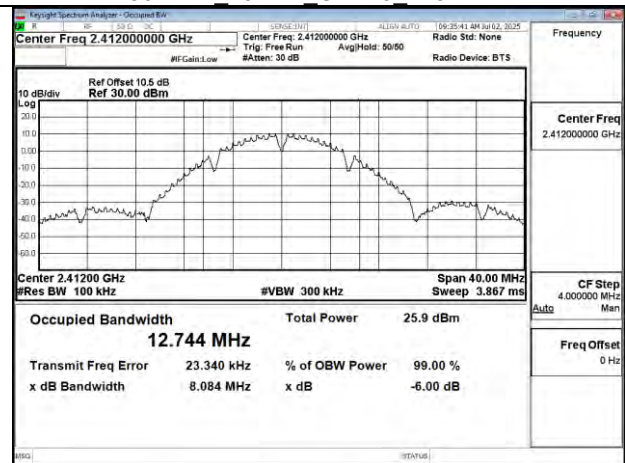
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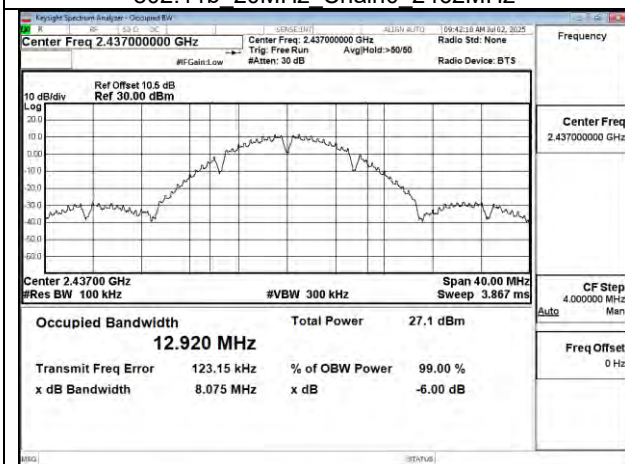
802.11b 20MHz Chain0 2437MHz



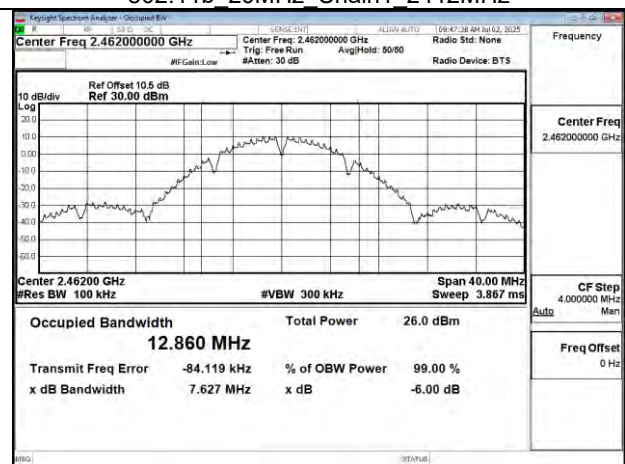
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802.11b 20MHz Chain1 2412MHz



802.11b 20MHz Chain1 2437MHz

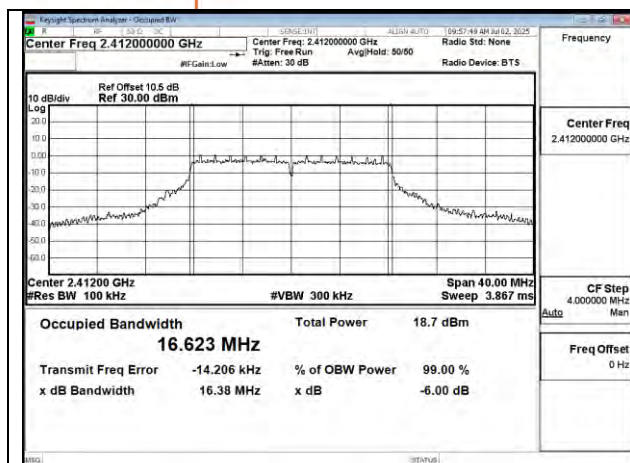


802.11b 20MHz Chain1 2462MHz

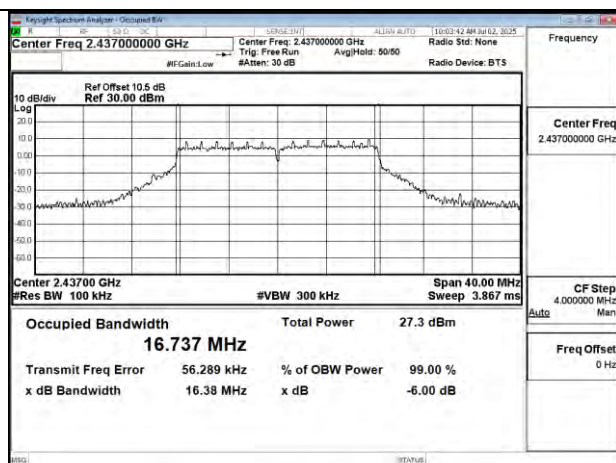
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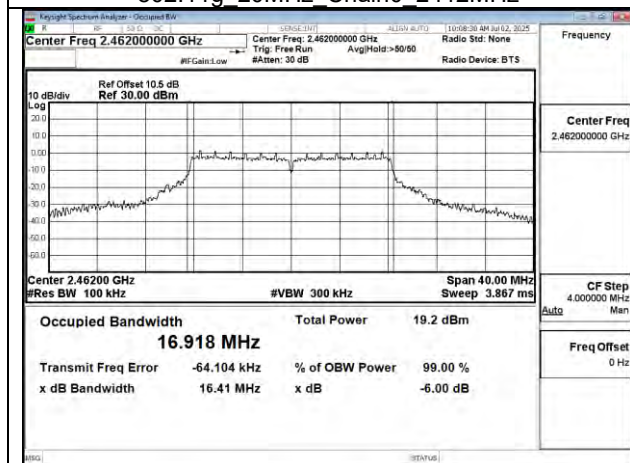
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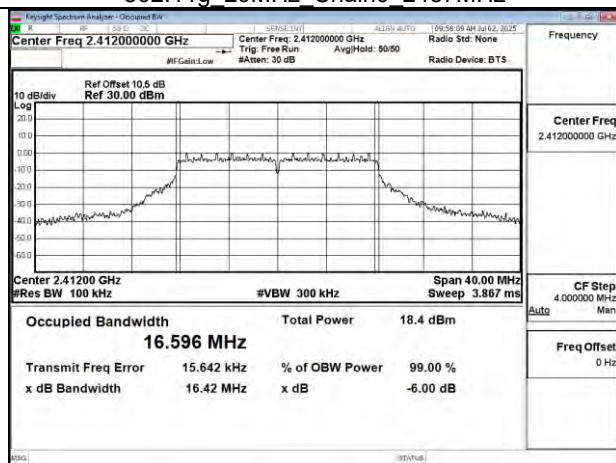
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802.11g 20MHz Chain0 2437MHz



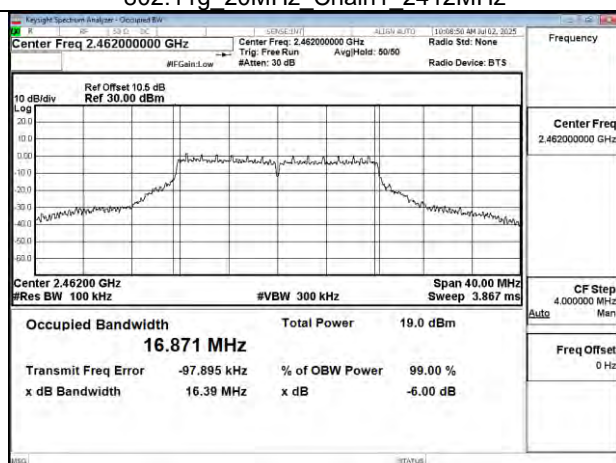
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802.11g 20MHz Chain1 2412MHz



802.11g 20MHz Chain1 2437MHz

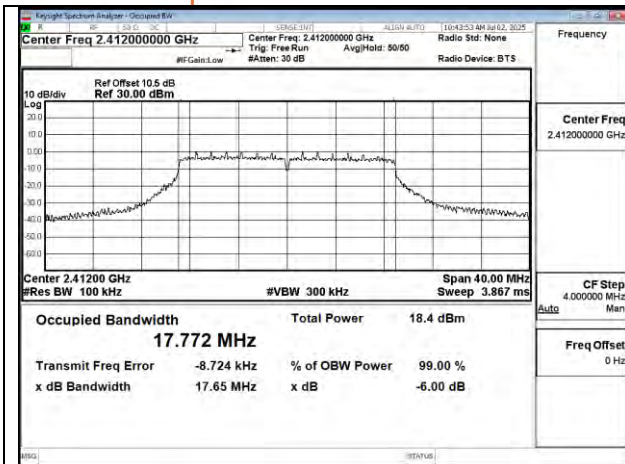


802.11g 20MHz Chain1 2462MHz

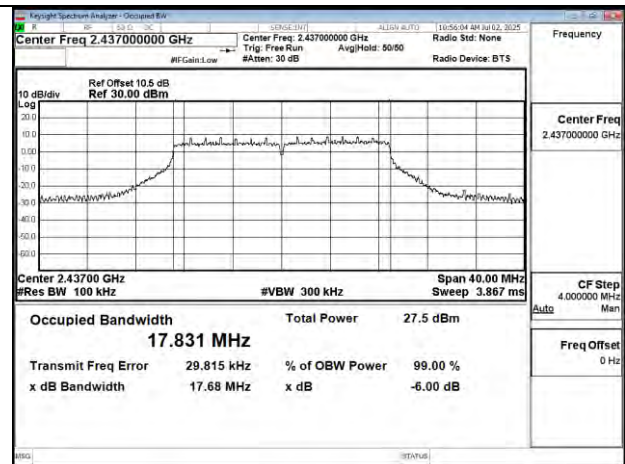
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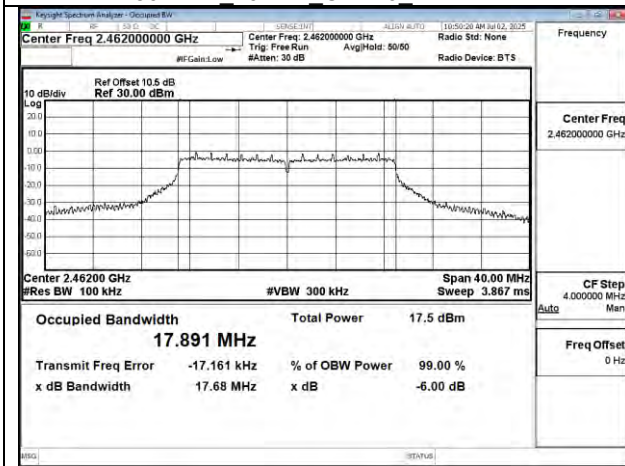
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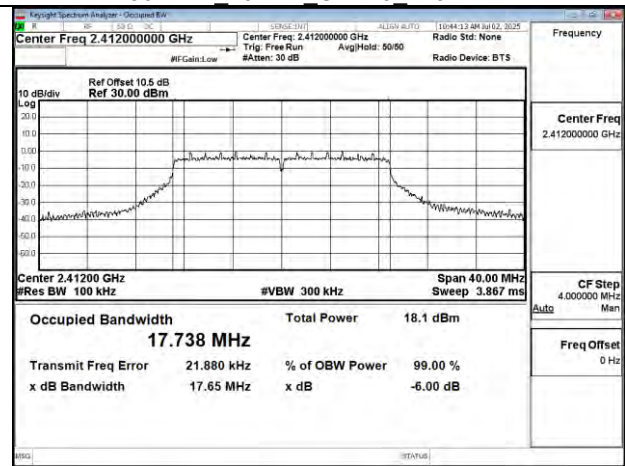
802.11n 20MHz Chain0 2412MHz



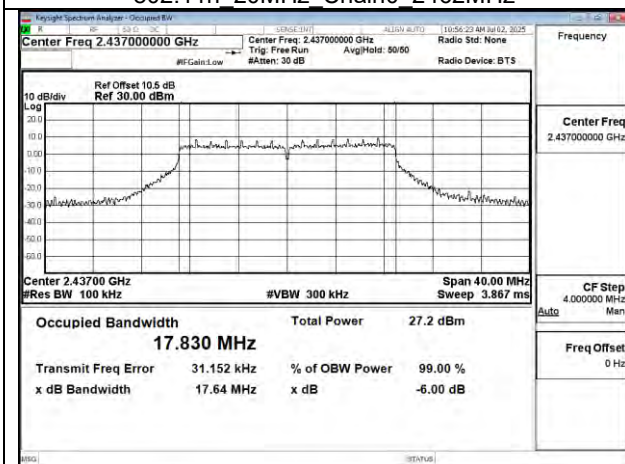
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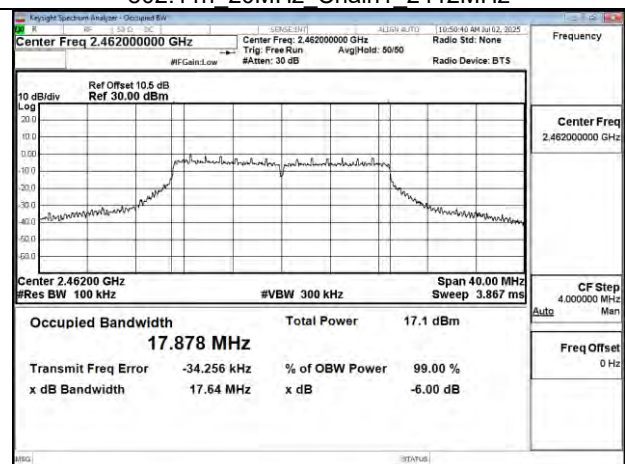
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802.11n 20MHz Chain1 2412MHz



802.11n 20MHz Chain1 2437MHz

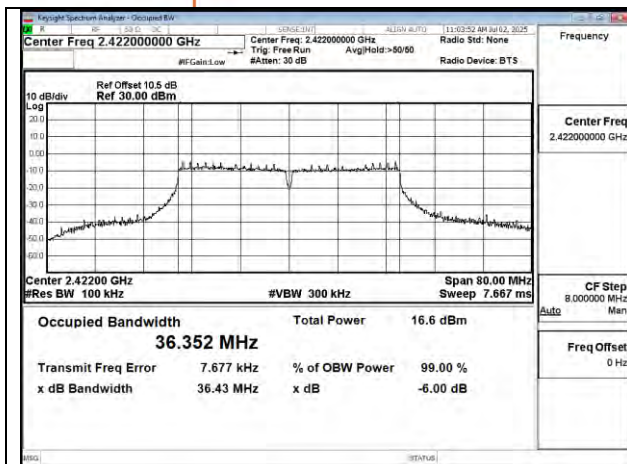


802.11n 20MHz Chain1 2462MHz

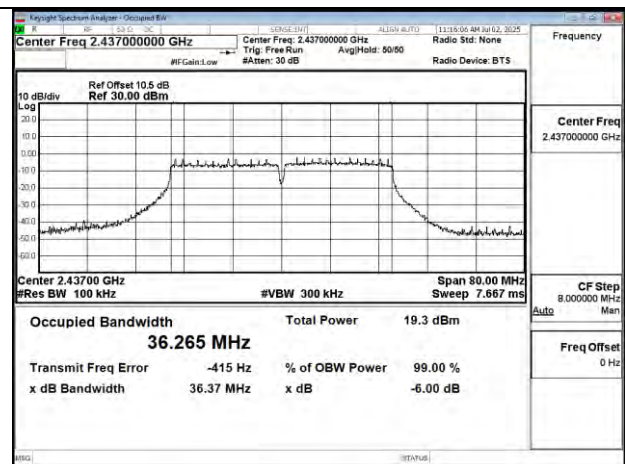
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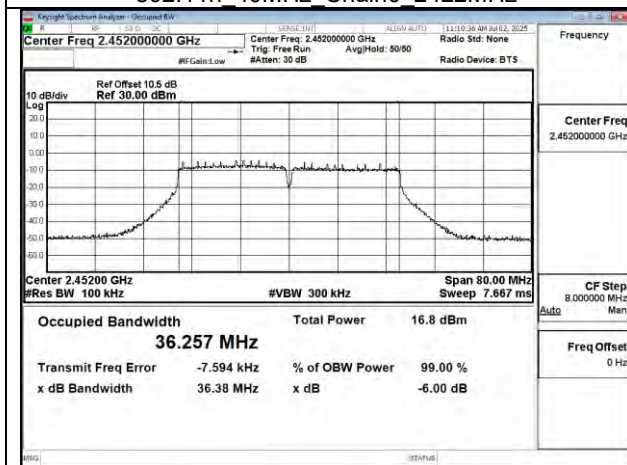
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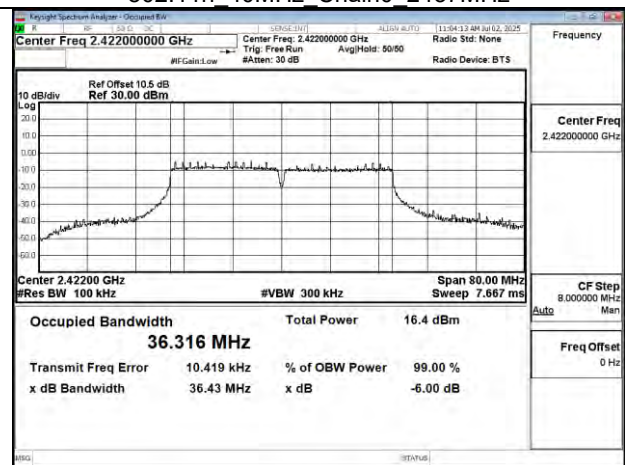
802.11n 40MHz Chain0 2422MHz



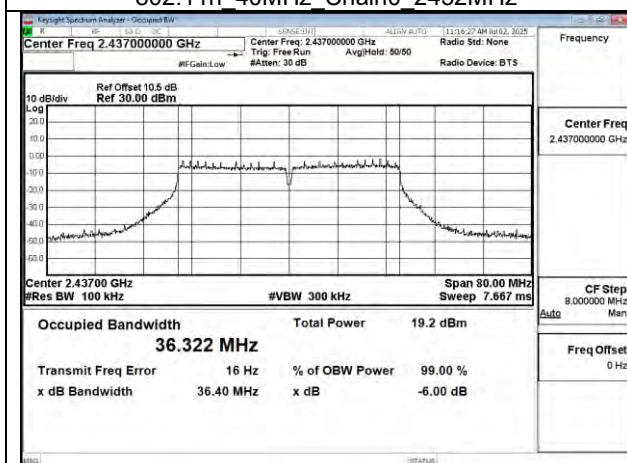
802.11n 40MHz Chain0 2437MHz



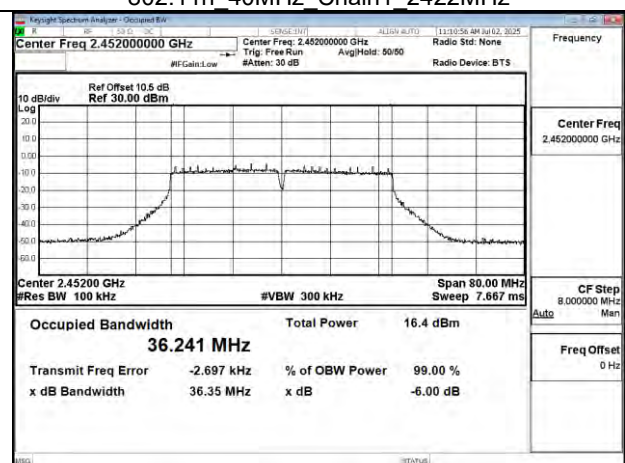
802.11n 40MHz Chain0 2452MHz



802.11n 40MHz Chain1 2422MHz



802.11n 40MHz Chain1 2437MHz

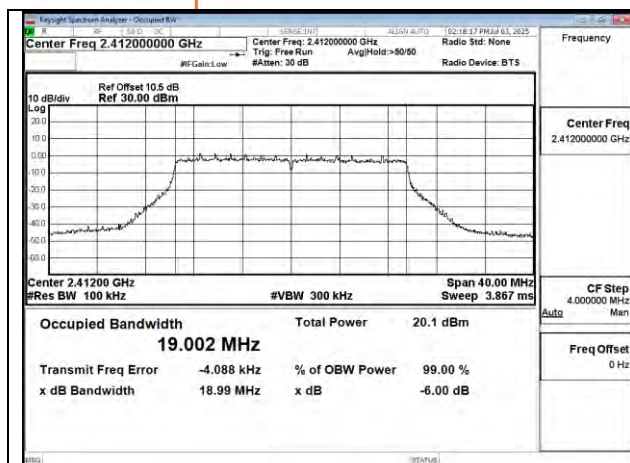


802.11n 40MHz Chain1 2452MHz

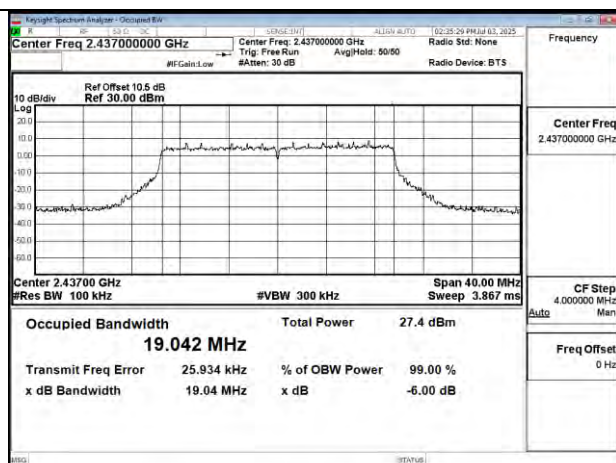
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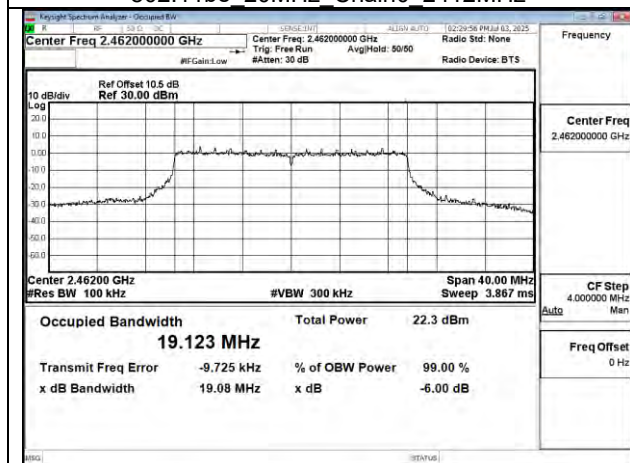
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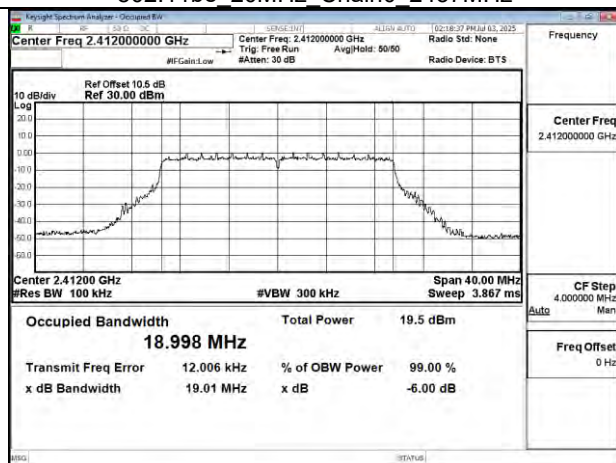
802.11be 20MHz Chain0 2412MHz



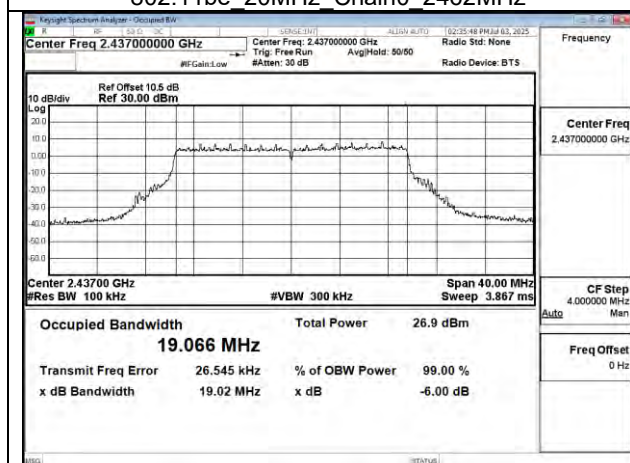
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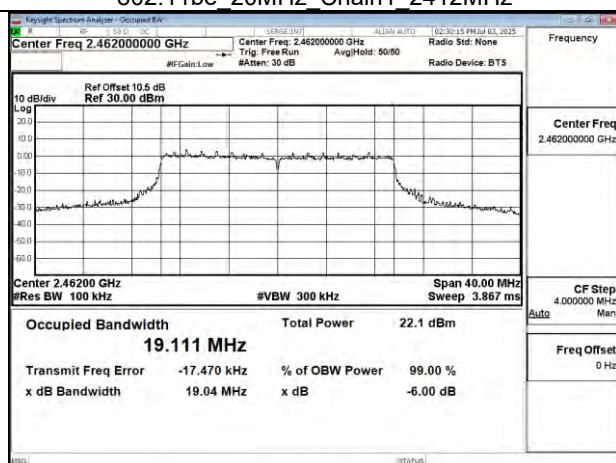
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802.11be 20MHz Chain1 2412MHz



802.11be 20MHz Chain1 2437MHz

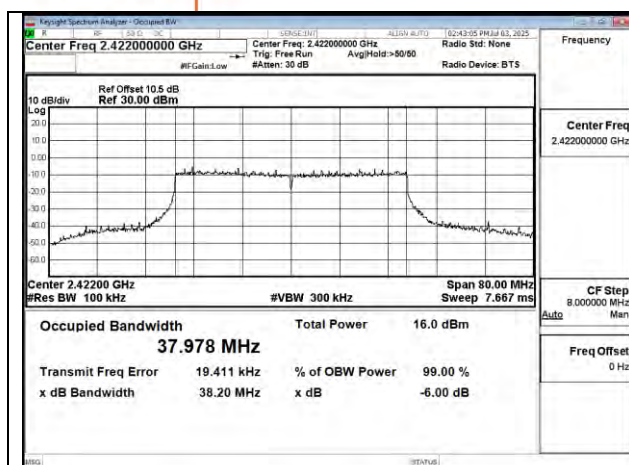


802.11be 20MHz Chain1 2462MHz

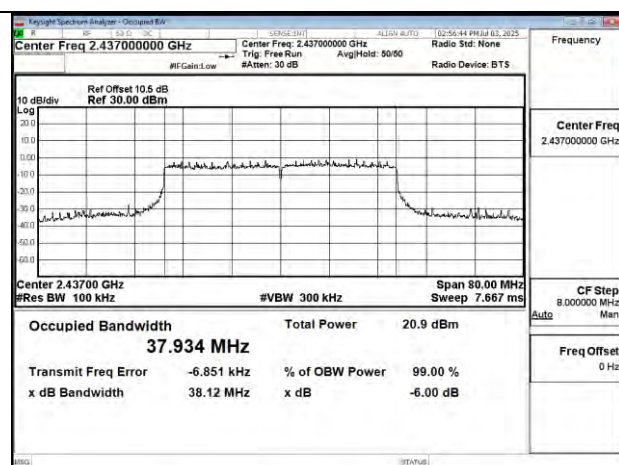
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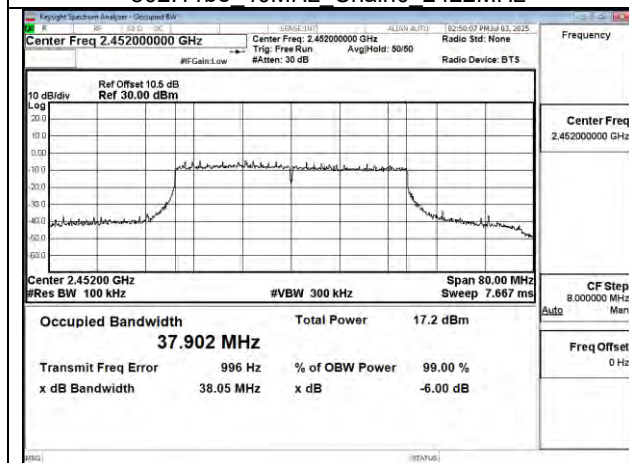
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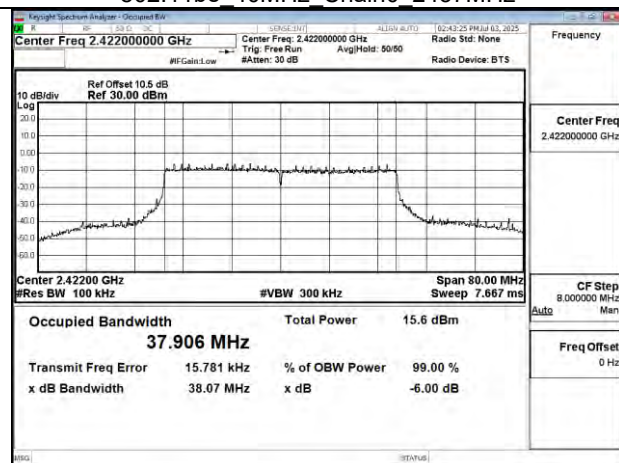
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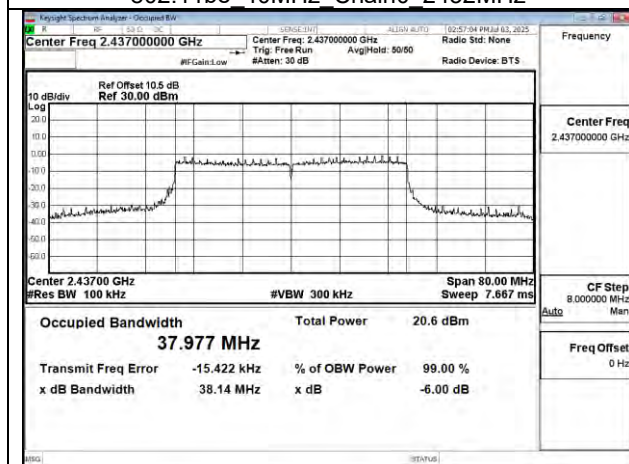
802.11be 40MHz Chain0 2437MHz



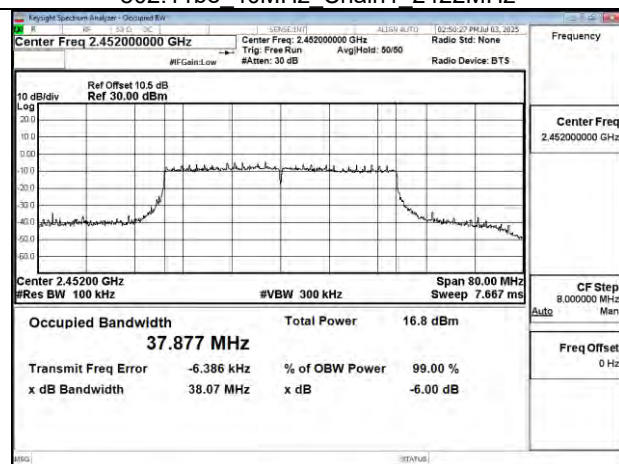
802.11be 40MHz Chain0 2452MHz



802.11be 40MHz Chain1 2422MHz



802.11be 40MHz Chain1 2437MHz



802.11be 40MHz Chain1 2452MHz

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802.11b Ch0

Freq. (MHz)	99% BW (MHz)
2412	12.858
2437	13.057
2462	13.036

802.11b Ch1

Freq. (MHz)	99% BW (MHz)
2412	12.795
2437	12.973
2462	12.911

802.11g Ch0

Freq. (MHz)	99% BW (MHz)
2412	16.975
2437	17.099
2462	17.429

802.11g Ch1

Freq. (MHz)	99% BW (MHz)
2412	16.882
2437	17.151
2462	17.27

802.11n_HT20M Ch0

Freq. (MHz)	99% BW (MHz)
2412	18.109
2437	18.195
2462	18.349

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802.11n_HT20M Ch1

Freq. (MHz)	99% BW (MHz)
2412	18.002
2437	18.191
2462	18.238

802.11n_HT40M Ch0

Freq. (MHz)	99% BW (MHz)
2422	37.033
2437	36.742
2452	36.772

802.11n_HT40M Ch1

Freq. (MHz)	99% BW (MHz)
2422	36.804
2437	36.857
2452	36.616

802.11be_EHT20M Ch0

Freq. (MHz)	RU Config	99% BW (MHz)
2412	full	19.13
2437	full	19.192
2462	full	19.275

802.11be_EHT20M Ch1

Freq. (MHz)	RU Config	99% BW (MHz)
2412	full	19.103
2437	full	19.266
2462	full	19.306

802.11be_EHT40M Ch0

Freq. (MHz)	RU Config	99% BW (MHz)
2422	full	38.196
2437	full	38.091
2452	full	38.048

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802.11be_EHT40M Ch1

Freq. (MHz)	RU Config	99% BW (MHz)
2422	full	38.11
2437	full	38.182
2452	full	38.048

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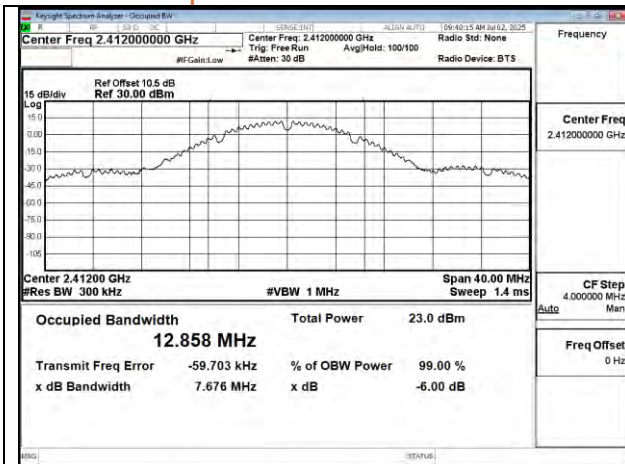
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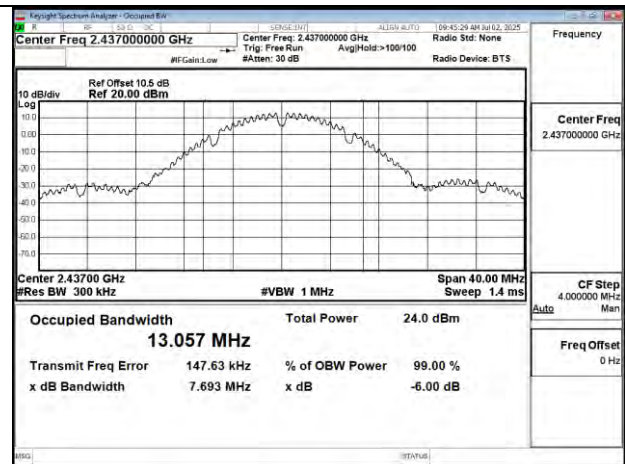
f (886-2) 2298-0488

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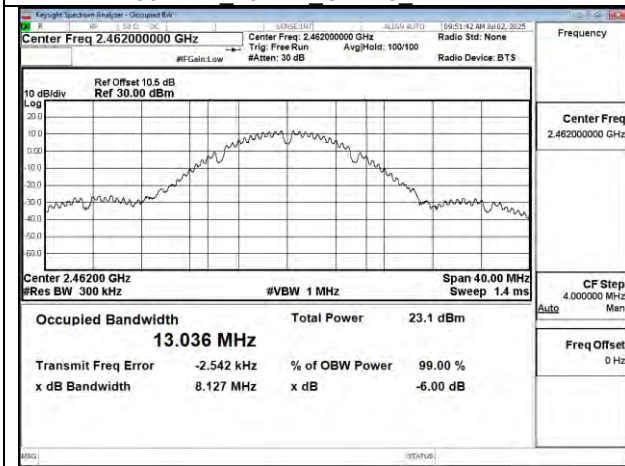
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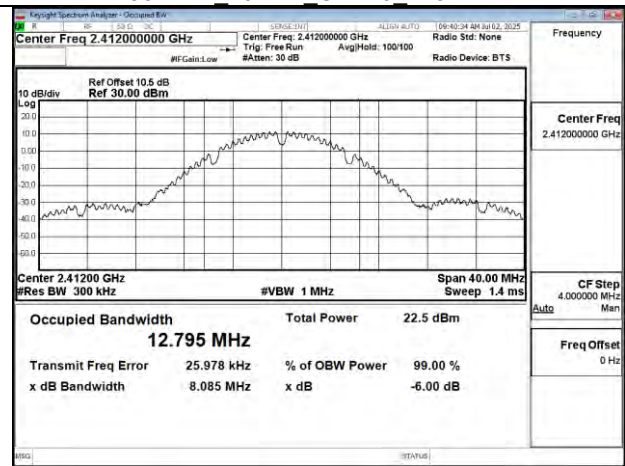
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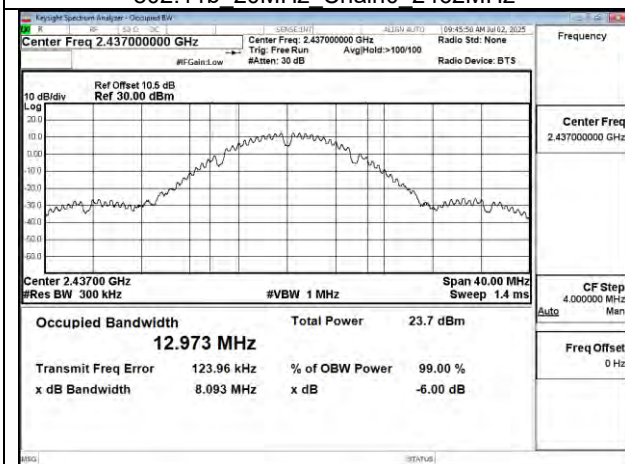
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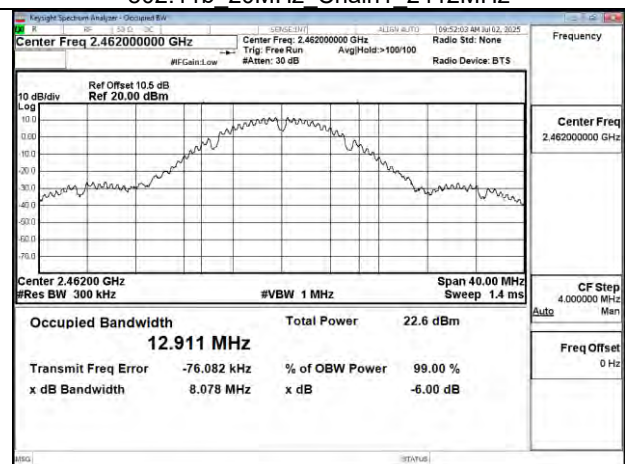
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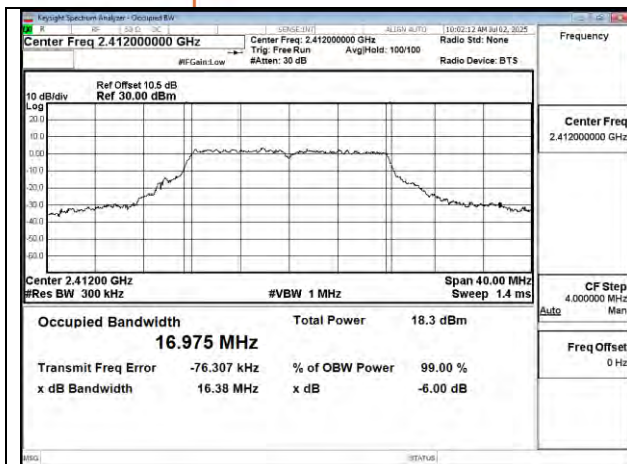


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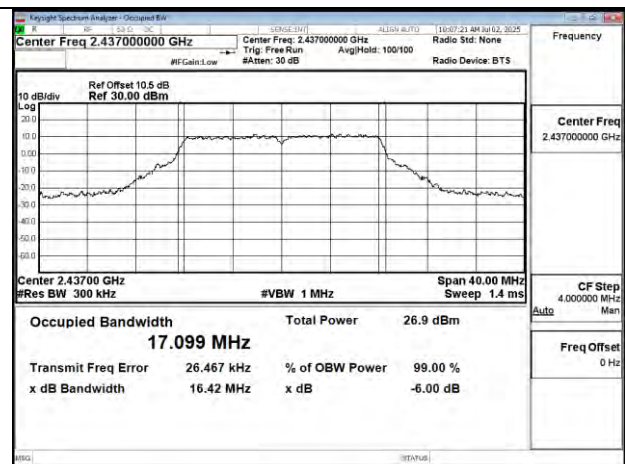
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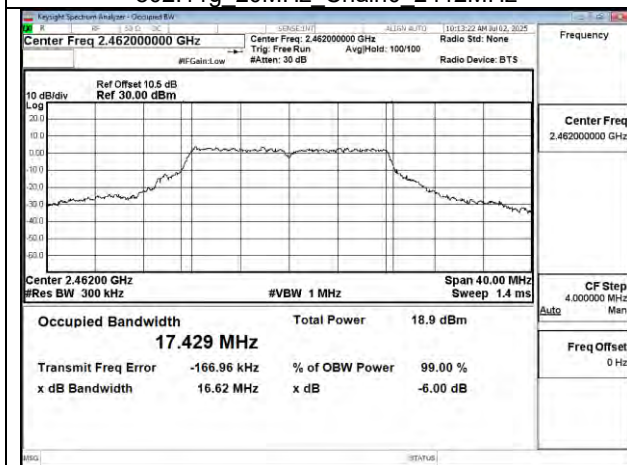
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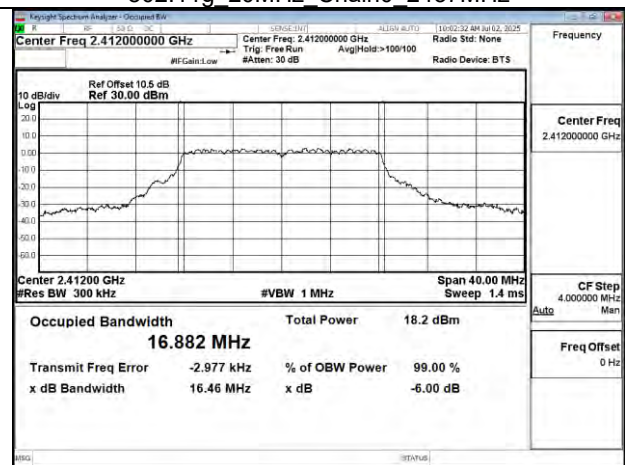
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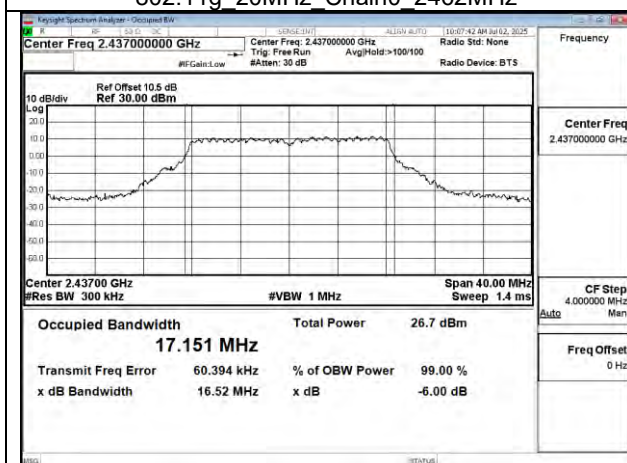
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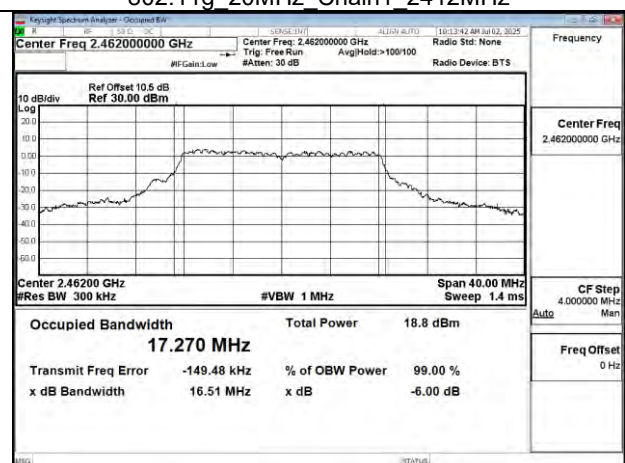
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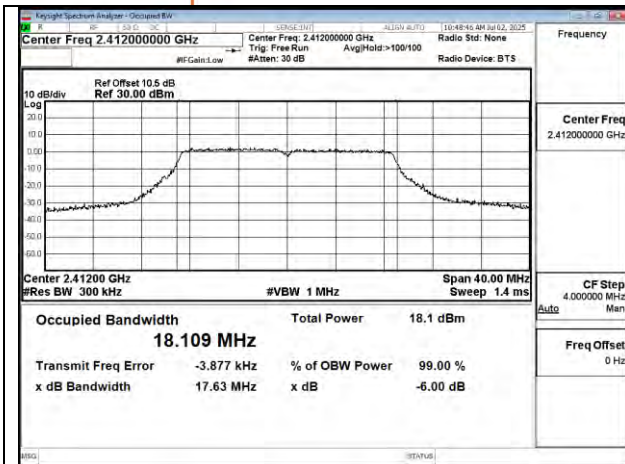


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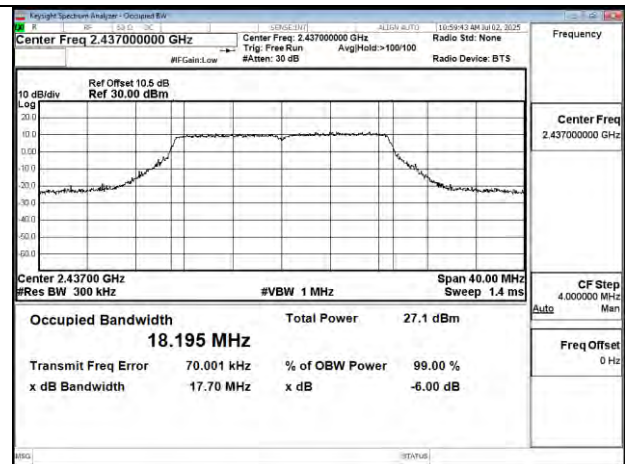
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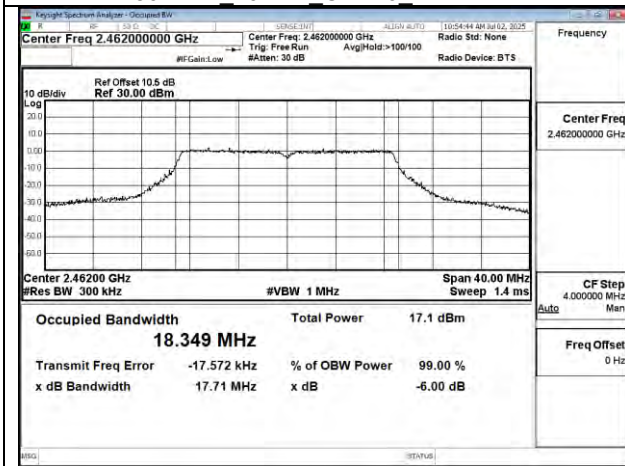
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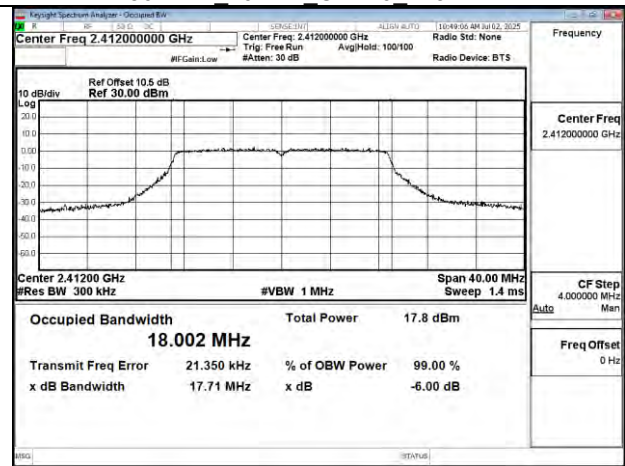
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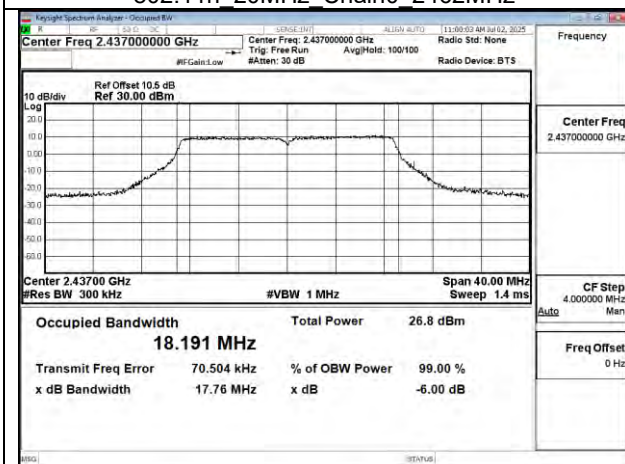
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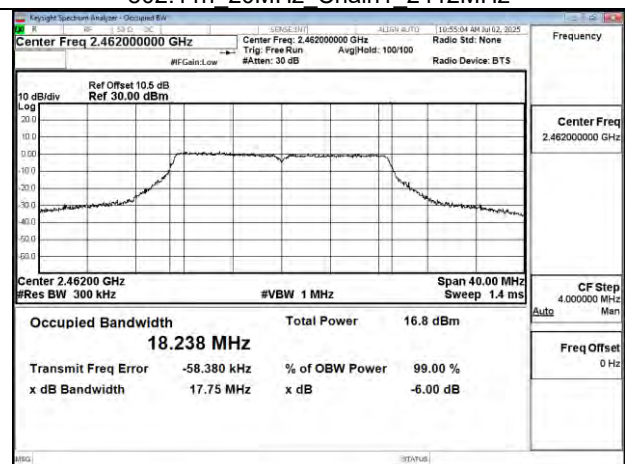
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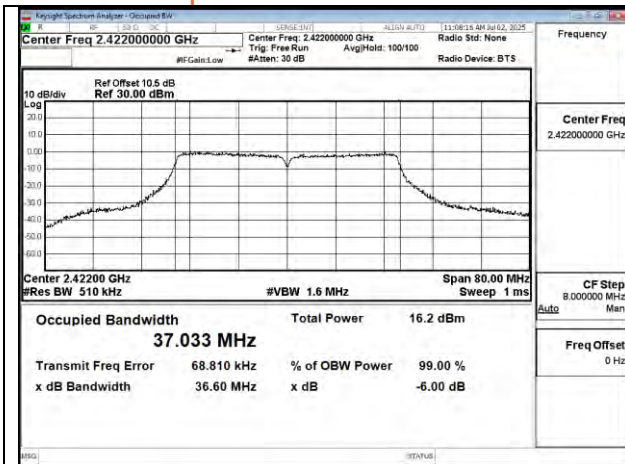


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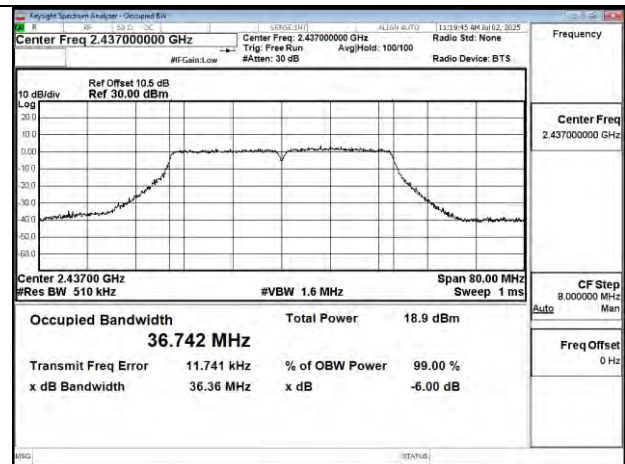
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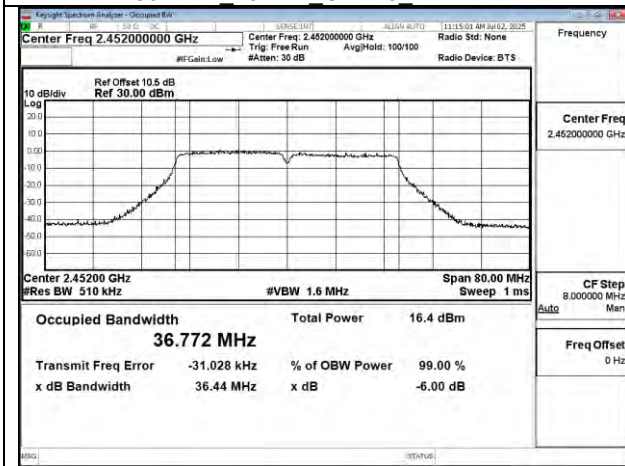
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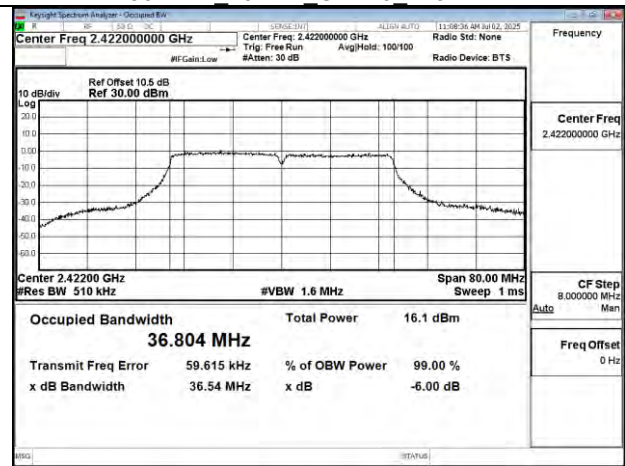
802.11n 40MHz Chain0 2422MHz



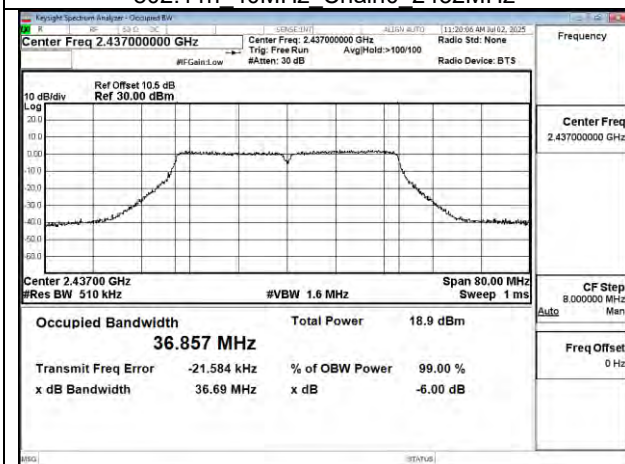
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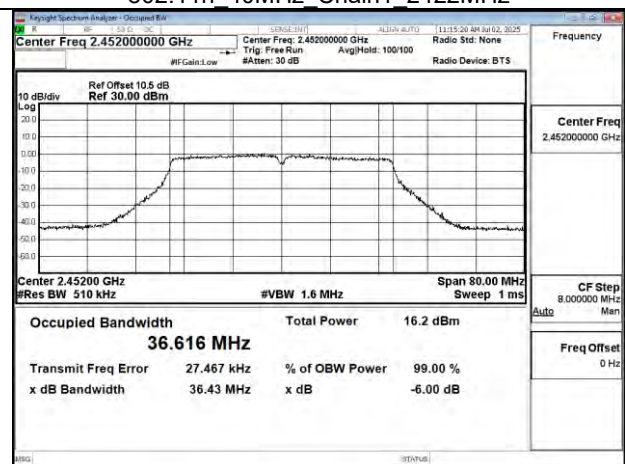
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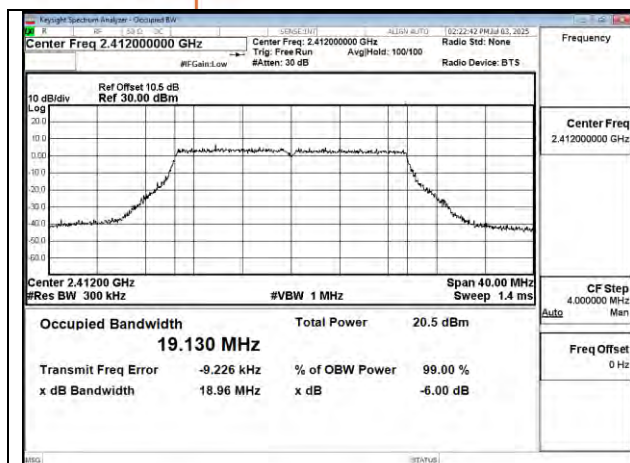


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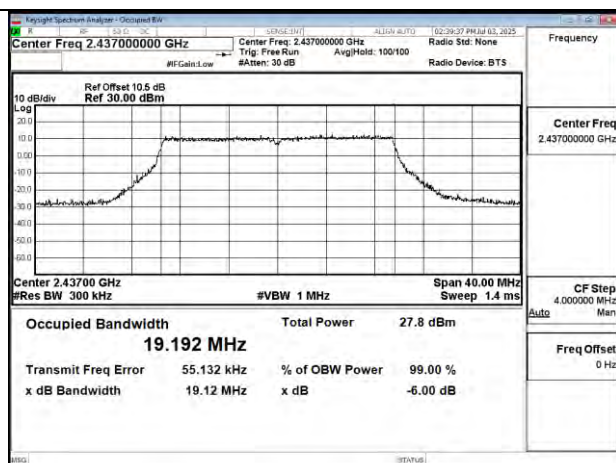
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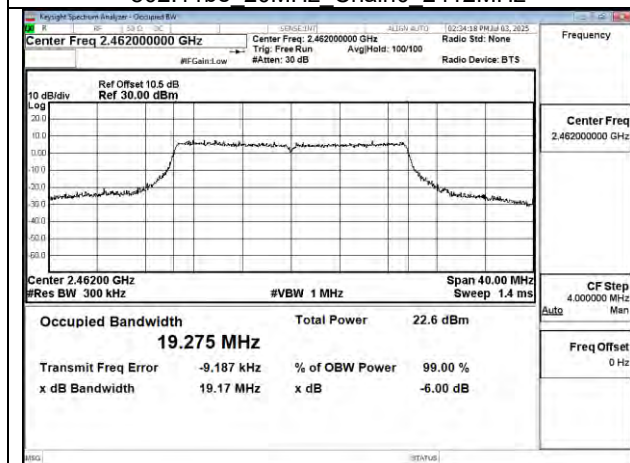
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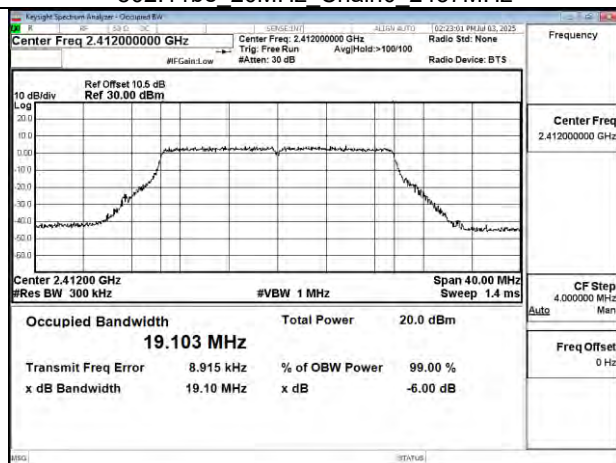
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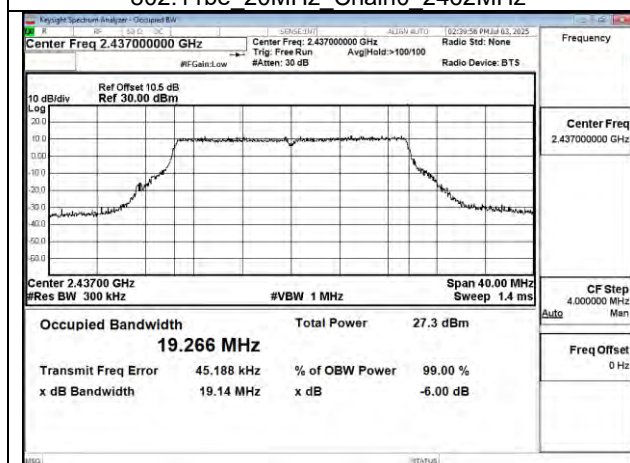
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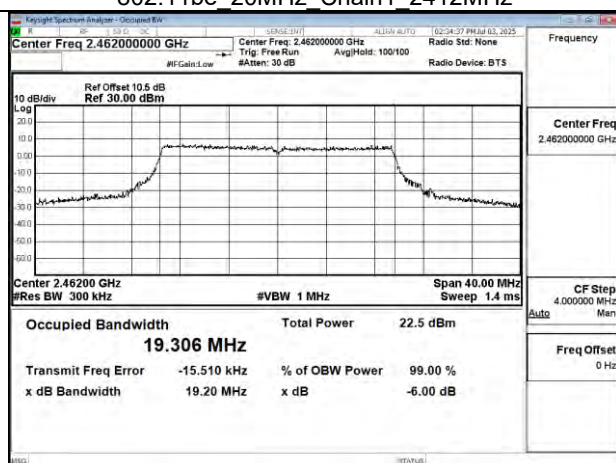
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802.11be 20MHz Chain1 2412MHz



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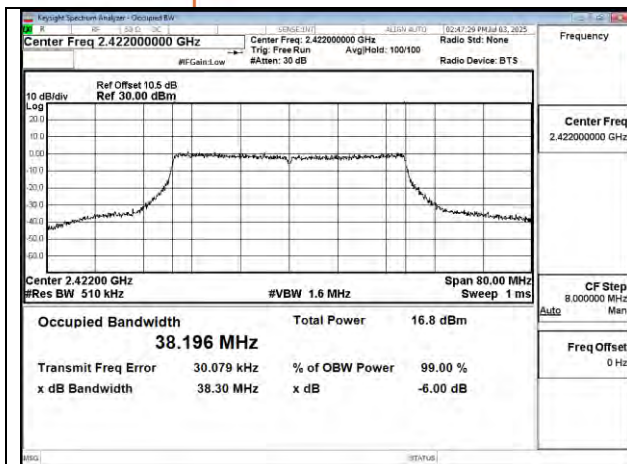


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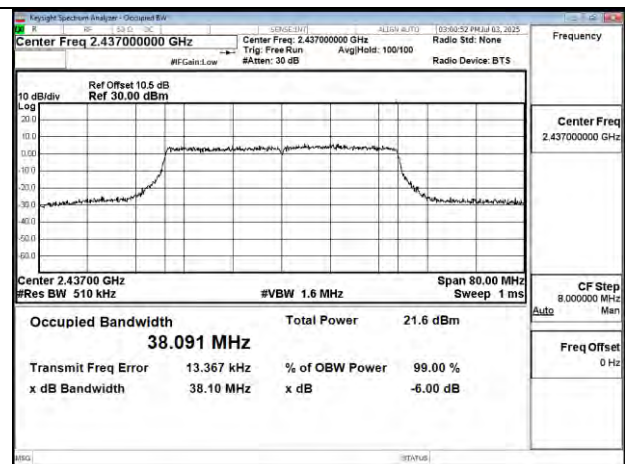
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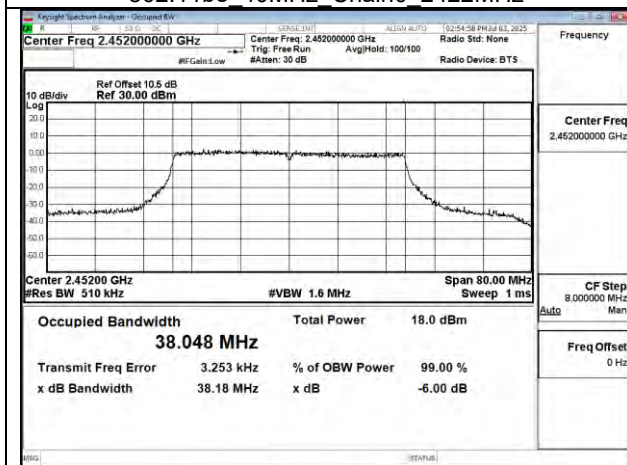
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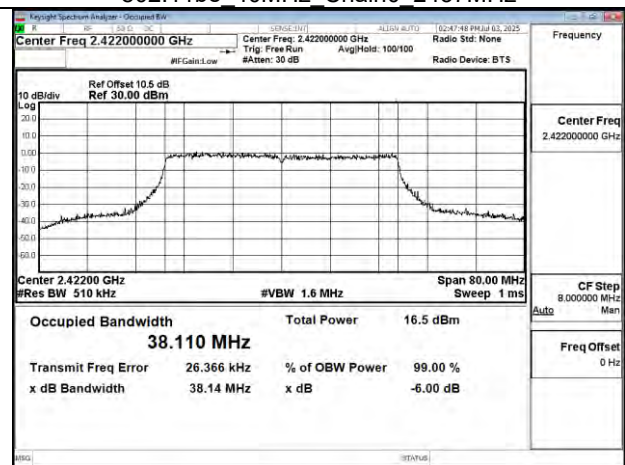
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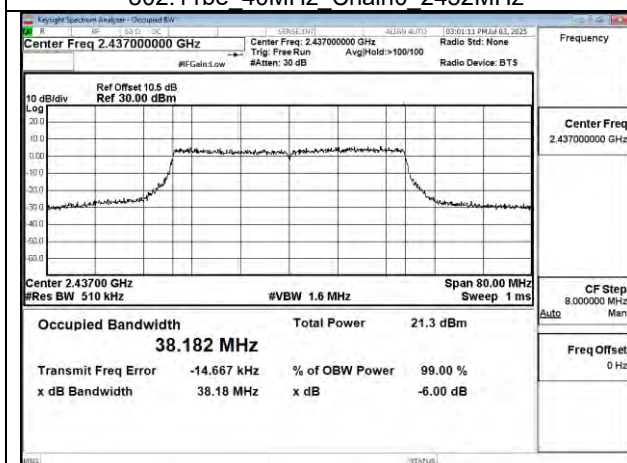
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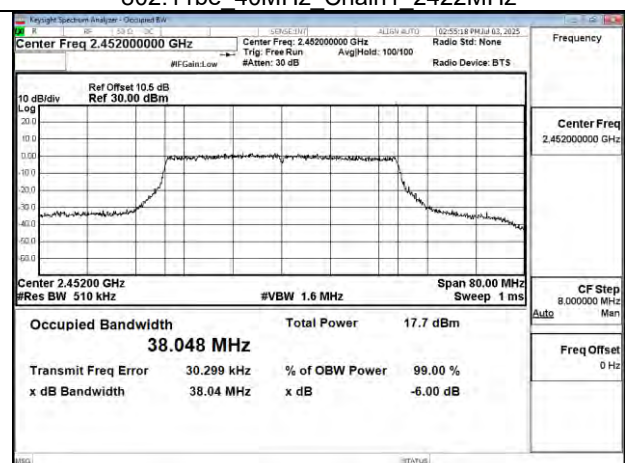
802.11be 40MHz Chain0 2452MHz



802.11be 40MHz Chain1 2422MHz



802.11be 40MHz Chain1 2437MHz



802.11be 40MHz Chain1 2452MHz

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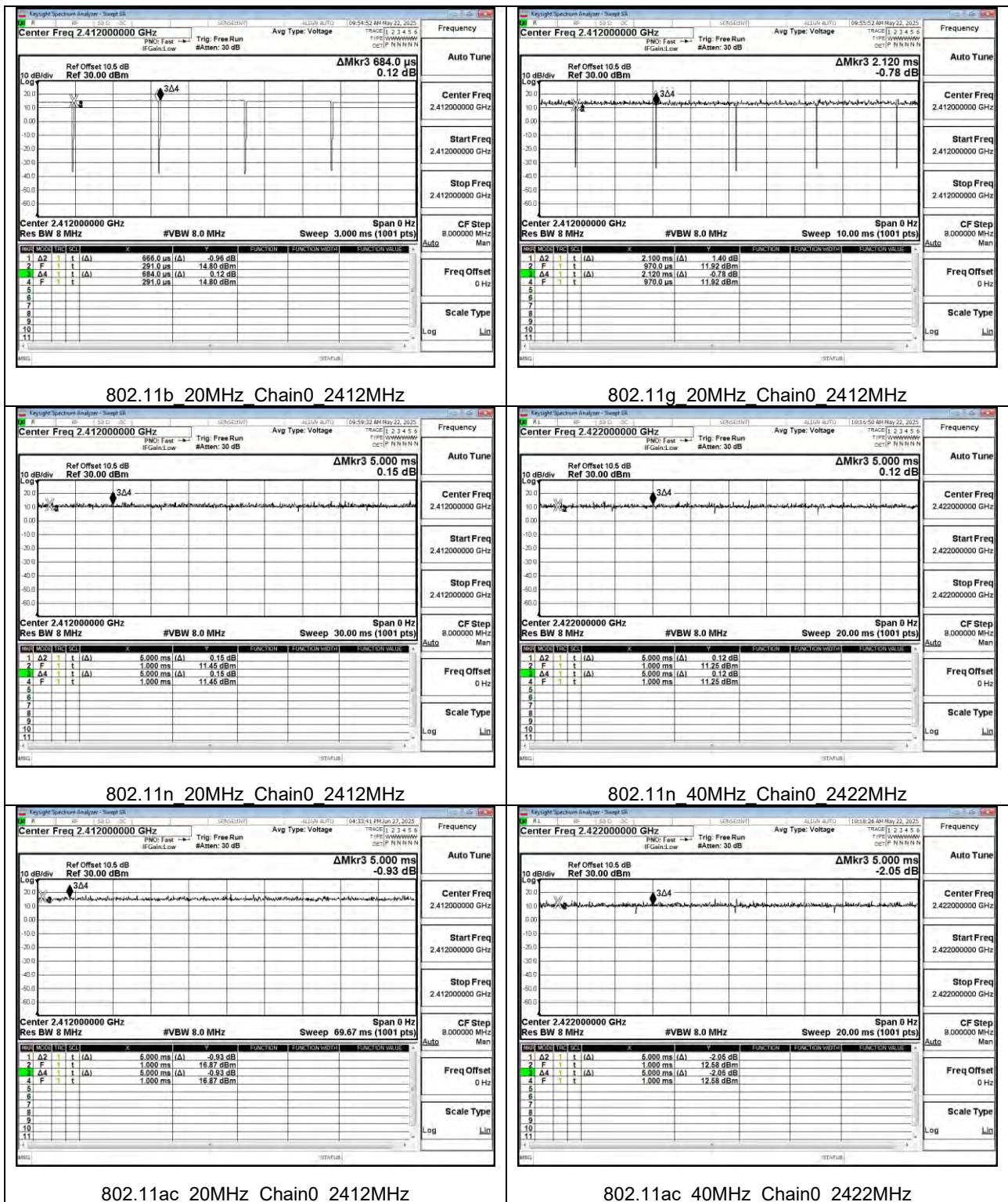
7.2 Duty Cycle

Mode		Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11b		97.37	0.12	1.50	2.00
802.11g		99.06	0.04	0.48	0.01
802.11n_20		100.00	0.00	0.00	0.01
802.11n_40		100.00	0.00	0.00	0.01
802.11ac_20		100.00	0.00	0.00	0.01
802.11ac_40		100.00	0.00	0.00	0.01
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	100.00	0.00	0.00	0.01
	26 RU	99.41	0.03	0.20	0.01
	52 RU	99.41	0.03	0.20	0.01
	106 RU	99.18	0.04	0.21	0.01
802.11ax_40	Full	100.00	0.00	0.00	0.01
	242 RU	99.28	0.03	0.36	0.01
802.11be_20	Full	100.00	0.00	0.00	0.01
	26 RU	99.41	0.03	0.20	0.01
	52 RU	99.41	0.03	0.20	0.01
	106 RU	99.35	0.03	0.33	0.01
	52+26 MRU	99.41	0.03	0.20	0.01
	106+26 MRU	98.77	0.05	0.21	0.01
802.11be_40	Full	100.00	0.00	0.00	0.01
	242 RU	98.83	0.05	0.59	0.01

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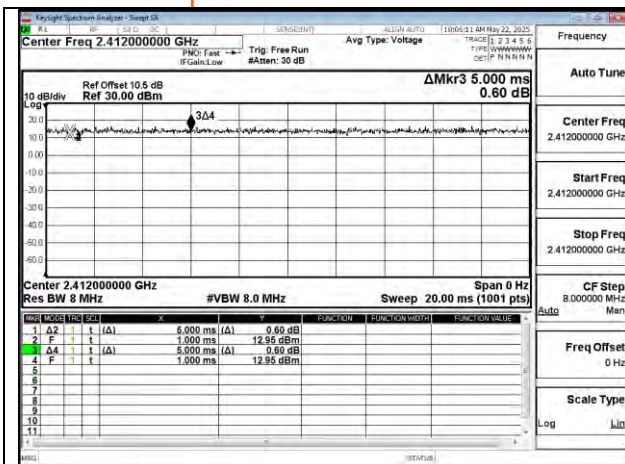
7.2.1 Duty Cycle test plots



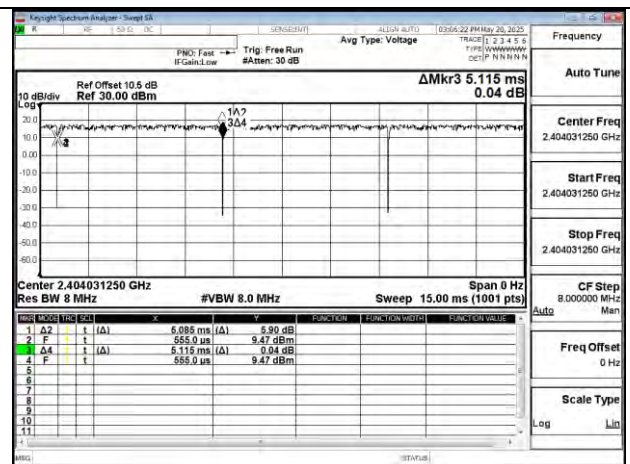
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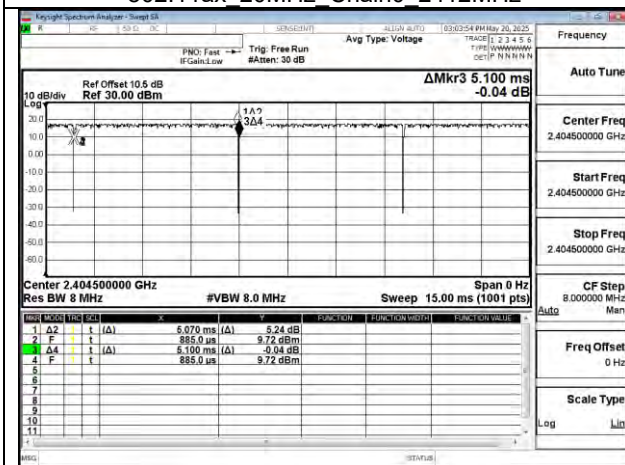
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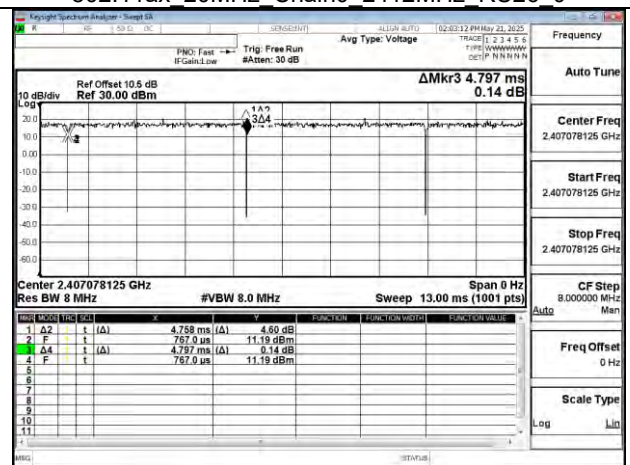
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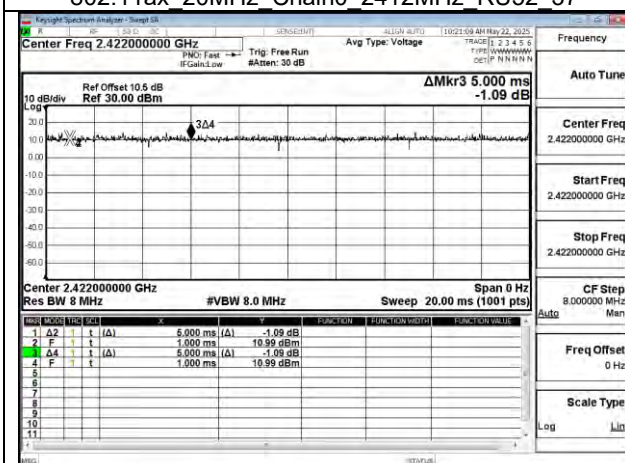
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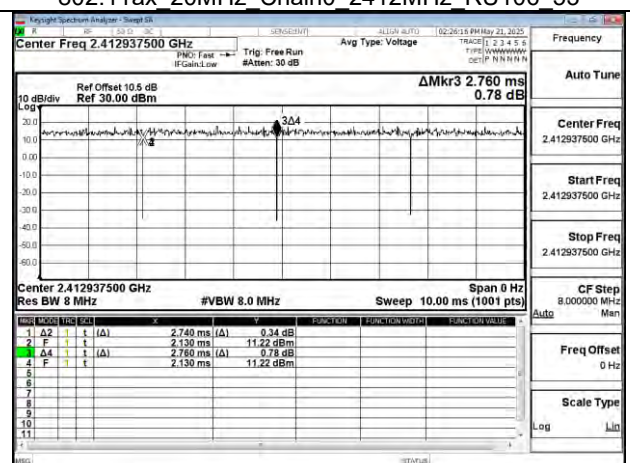
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802.11ax 20MHz Chain0 2412MHz RU106 53



802.11ax 40MHz Chain0 2422MHz

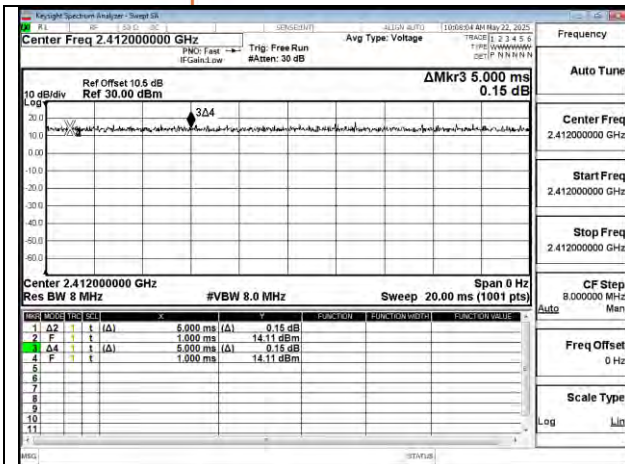


802.11ax 40MHz Chain0 2422MHz RU242 61

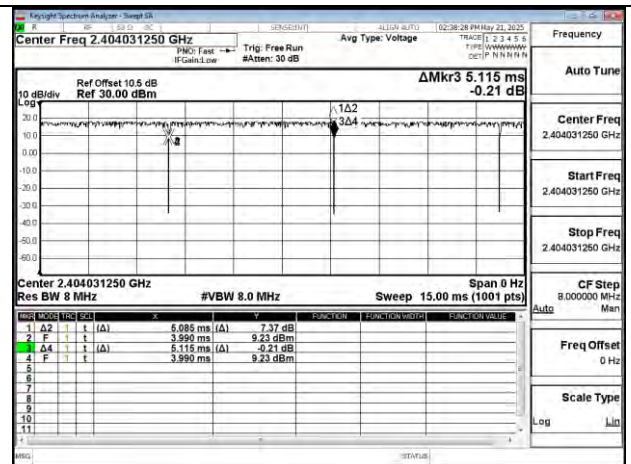
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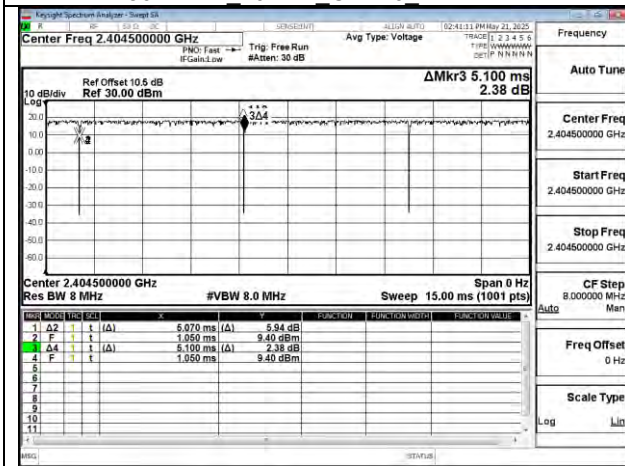
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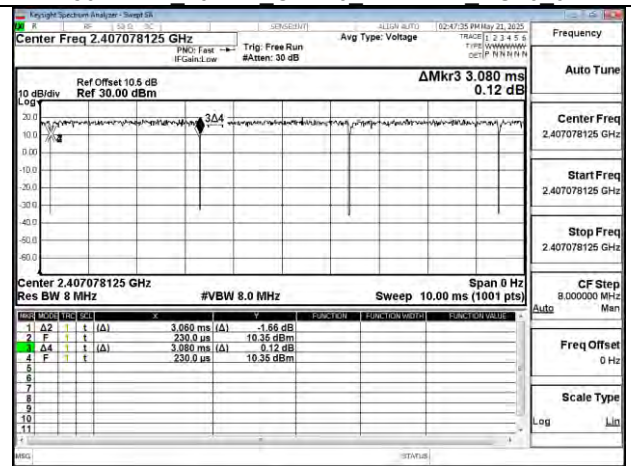
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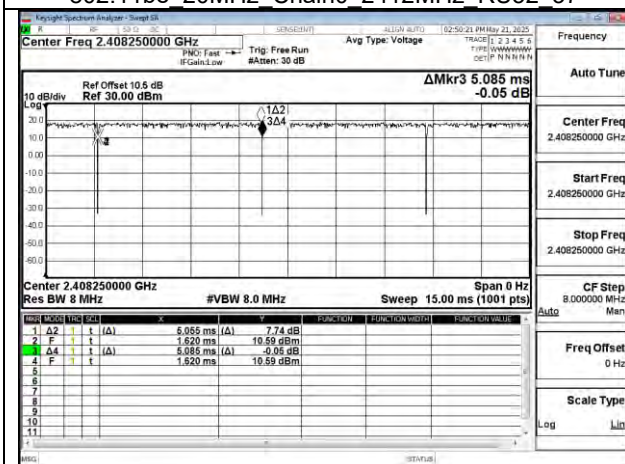
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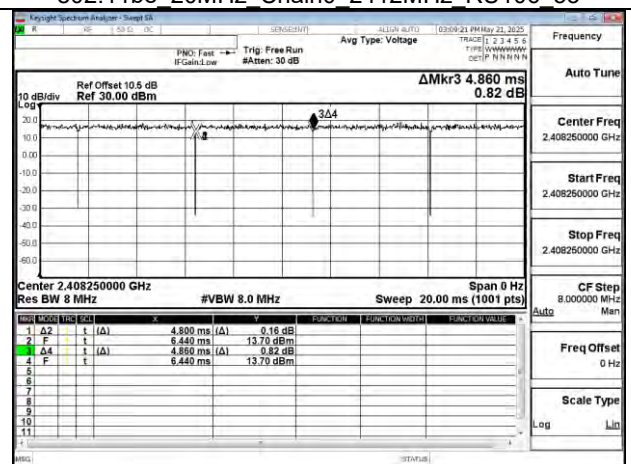
802.11be 20MHz Chain0 2412MHz RU52 37



802.11be 20MHz Chain0 2412MHz RU106 53



802.11be 20MHz Chain0 2412MHz 52+26 MRU1

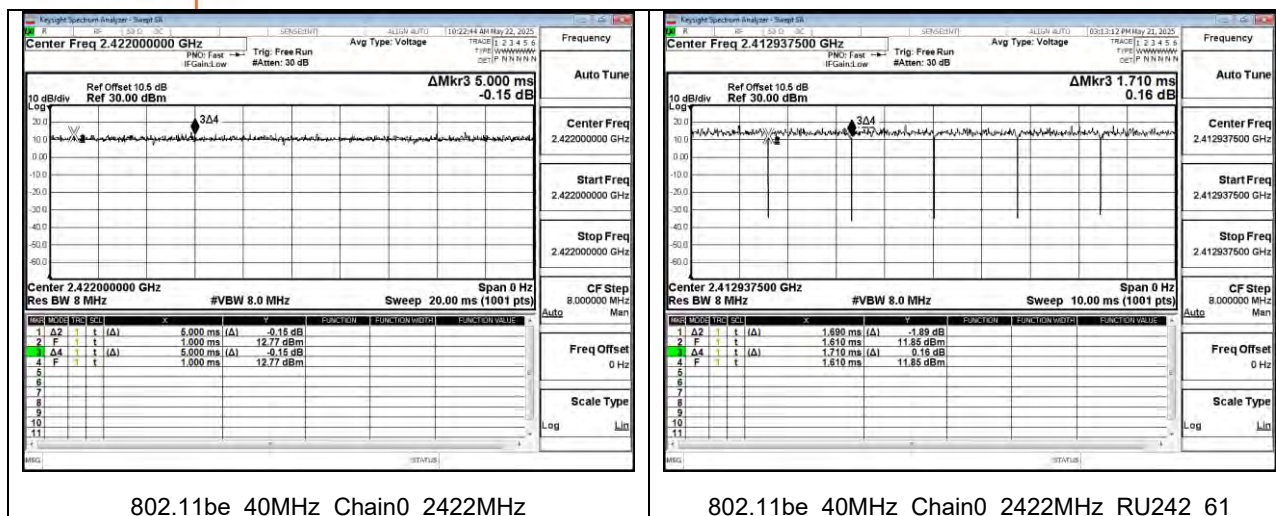


802.11be 20MHz Chain0 2412MHz 106+26 MRU1

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7.3 Maximum 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	18.5	179.89	22.55	30.00	PASS
6	2437	1	19.5	239.33	23.79	30.00	PASS
11	2462	1	18.5	203.70	23.09	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	18.5	101.29	20.06	30.00	PASS
6	2437	1	19.5	126.93	21.04	30.00	PASS
11	2462	1	18.5	105.34	20.23	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	18.5	171.00	22.33	30.00	PASS
6	2437	1	19.5	217.77	23.38	30.00	PASS
11	2462	1	18.5	188.36	22.75	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	18.5	95.85	19.82	30.00	PASS
6	2437	1	19.5	116.03	20.65	30.00	PASS
11	2462	1	18.5	93.23	19.70	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	19	22.95	22.69	383.02	25.83	30.00	PASS
6	2437	1	20	23.96	23.55	475.35	26.77	30.00	PASS
11	2462	1	19	23.12	22.79	395.22	25.97	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	19	20.22	20.05	206.15	23.14	30.00	PASS
6	2437	1	20	21.29	20.77	253.74	24.04	30.00	PASS
11	2462	1	19	20.46	19.97	210.28	23.23	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	63.24	18.01	30.00	PASS
2	2417	6	17.5	258.23	24.12	30.00	PASS
3	2422	6	18.5	302.00	24.80	30.00	PASS
6	2437	6	19.5	347.54	25.41	30.00	PASS
9	2452	6	18.5	308.32	24.89	30.00	PASS
10	2457	6	16	171.40	22.34	30.00	PASS
11	2462	6	10.5	55.72	17.46	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	15.21	11.82	30.00	PASS
2	2417	6	17.5	73.30	18.65	30.00	PASS
3	2422	6	18.5	90.18	19.55	30.00	PASS
6	2437	6	19.5	113.79	20.56	30.00	PASS
9	2452	6	18.5	89.35	19.51	30.00	PASS
10	2457	6	16	42.77	16.31	30.00	PASS
11	2462	6	10.5	13.97	11.45	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	11	62.37	17.95	30.00	PASS
2	2417	6	17.5	248.89	23.96	30.00	PASS
3	2422	6	18.5	299.23	24.76	30.00	PASS
6	2437	6	19.5	342.77	25.35	30.00	PASS
9	2452	6	18.5	295.80	24.71	30.00	PASS
10	2457	6	16	167.49	22.24	30.00	PASS
11	2462	6	10.5	54.70	17.38	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	11	14.76	11.69	30.00	PASS
2	2417	6	17.5	67.62	18.30	30.00	PASS
3	2422	6	18.5	81.87	19.13	30.00	PASS
6	2437	6	19.5	106.68	20.28	30.00	PASS
9	2452	6	18.5	87.32	19.41	30.00	PASS
10	2457	6	16	41.31	16.16	30.00	PASS
11	2462	6	10.5	13.65	11.35	30.00	PASS

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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	11.5	18.07	17.73	123.41	20.91	30.00	PASS
2	2417	6	18	24.43	24.07	532.60	27.26	30.00	PASS
3	2422	6	19	25.19	24.93	641.54	28.07	30.00	PASS
6	2437	6	20	25.70	25.57	732.11	28.65	30.00	PASS
9	2452	6	19	24.92	24.87	617.36	27.91	30.00	PASS
10	2457	6	16.5	23.14	23.01	405.81	26.08	30.00	PASS
11	2462	6	11	18.16	17.59	122.88	20.89	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	11.5	12.19	11.92	32.12	15.07	30.00	PASS
2	2417	6	18	18.97	18.41	148.26	21.71	30.00	PASS
3	2422	6	19	19.77	19.37	181.38	22.59	30.00	PASS
6	2437	6	20	20.74	20.40	228.28	23.58	30.00	PASS
9	2452	6	19	19.83	19.40	183.30	22.63	30.00	PASS
10	2457	6	16.5	16.79	16.46	92.03	19.64	30.00	PASS
11	2462	6	11	11.85	11.50	29.44	14.69	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	10.5	57.54	17.60	30.00	PASS
2	2417	MCS0	15.5	157.40	21.97	30.00	PASS
3	2422	MCS0	17.5	250.61	23.99	30.00	PASS
4	2427	MCS0	19.5	351.56	25.46	30.00	PASS
6	2437	MCS0	19.5	357.27	25.53	30.00	PASS
8	2447	MCS0	18.5	301.30	24.79	30.00	PASS
9	2452	MCS0	16.5	171.40	22.34	30.00	PASS
10	2457	MCS0	16.5	169.82	22.30	30.00	PASS
11	2462	MCS0	10	40.55	16.08	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	10.5	14.57	11.64	30.00	PASS
2	2417	MCS0	15.5	38.82	15.89	30.00	PASS
3	2422	MCS0	17.5	60.53	17.82	30.00	PASS
4	2427	MCS0	19.5	110.15	20.42	30.00	PASS
6	2437	MCS0	19.5	112.20	20.50	30.00	PASS
8	2447	MCS0	18.5	86.50	19.37	30.00	PASS
9	2452	MCS0	16.5	48.53	16.86	30.00	PASS
10	2457	MCS0	16.5	48.08	16.82	30.00	PASS
11	2462	MCS0	10	12.39	10.93	30.00	PASS

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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	56.49	17.52	30.00	PASS
2	2417	MCS0	15.5	153.11	21.85	30.00	PASS
3	2422	MCS0	17.5	242.10	23.84	30.00	PASS
4	2427	MCS0	19.5	339.63	25.31	30.00	PASS
6	2437	MCS0	19.5	347.54	25.41	30.00	PASS
8	2447	MCS0	18.5	293.76	24.68	30.00	PASS
9	2452	MCS0	16.5	164.06	22.15	30.00	PASS
10	2457	MCS0	16.5	165.58	22.19	30.00	PASS
11	2462	MCS0	10	39.17	15.93	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	14.35	11.57	30.00	PASS
2	2417	MCS0	15.5	37.33	15.72	30.00	PASS
3	2422	MCS0	17.5	58.48	17.67	30.00	PASS
4	2427	MCS0	19.5	108.14	20.34	30.00	PASS
6	2437	MCS0	19.5	106.66	20.28	30.00	PASS
8	2447	MCS0	18.5	83.37	19.21	30.00	PASS
9	2452	MCS0	16.5	46.99	16.72	30.00	PASS
10	2457	MCS0	16.5	47.21	16.74	30.00	PASS
11	2462	MCS0	10	12.16	10.85	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	20.42	20.04	211.08	23.24	30.00	PASS
2	2417	MCS0	16	21.98	21.65	303.98	24.83	30.00	PASS
3	2422	MCS0	18	23.15	23.05	408.37	26.11	30.00	PASS
4	2427	MCS0	20	25.76	25.60	739.78	28.69	30.00	PASS
6	2437	MCS0	20	25.86	25.63	751.07	28.76	30.00	PASS
8	2447	MCS0	19	24.82	24.73	600.56	27.79	30.00	PASS
9	2452	MCS0	17	22.16	22.04	324.39	25.11	30.00	PASS
10	2457	MCS0	17	22.07	22.01	319.92	25.05	30.00	PASS
11	2462	MCS0	10	19.77	19.36	181.14	22.58	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	12.02	11.68	30.65	14.86	30.00	PASS
2	2417	MCS0	16	16.17	16.04	81.58	19.12	30.00	PASS
3	2422	MCS0	18	18.24	18.05	130.51	21.16	30.00	PASS
4	2427	MCS0	20	20.71	20.15	221.27	23.45	30.00	PASS
6	2437	MCS0	20	20.74	20.29	225.48	23.53	30.00	PASS
8	2447	MCS0	19	19.85	19.37	183.10	22.63	30.00	PASS
9	2452	MCS0	17	17.16	17.07	102.93	20.13	30.00	PASS
10	2457	MCS0	17	17.19	17.10	103.65	20.16	30.00	PASS
11	2462	MCS0	10	11.21	10.69	24.93	13.97	30.00	PASS

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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	8.5	37.24	15.71	30.00	PASS
4	2427	MCS0	11	65.77	18.18	30.00	PASS
5	2432	MCS0	11	66.07	18.20	30.00	PASS
6	2437	MCS0	11.5	74.82	18.74	30.00	PASS
7	2442	MCS0	11	65.31	18.15	30.00	PASS
8	2447	MCS0	11	68.23	18.34	30.00	PASS
9	2452	MCS0	6.5	21.43	13.31	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	8.5	9.19	9.64	30.00	PASS
4	2427	MCS0	11	16.11	12.07	30.00	PASS
5	2432	MCS0	11	16.33	12.13	30.00	PASS
6	2437	MCS0	11.5	18.45	12.66	30.00	PASS
7	2442	MCS0	11	16.26	12.11	30.00	PASS
8	2447	MCS0	11	17.14	12.34	30.00	PASS
9	2452	MCS0	6.5	6.07	7.83	30.00	PASS

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t (886-2) 2299-3279

f (886-2) 2298-0488

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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	8.5	36.48	15.62	30.00	PASS
4	2427	MCS0	11	62.09	17.93	30.00	PASS
5	2432	MCS0	11	60.53	17.82	30.00	PASS
6	2437	MCS0	11.5	67.76	18.31	30.00	PASS
7	2442	MCS0	11	62.37	17.95	30.00	PASS
8	2447	MCS0	11	63.10	18.00	30.00	PASS
9	2452	MCS0	6.5	21.09	13.24	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	8.5	9.06	9.57	30.00	PASS
4	2427	MCS0	11	15.17	11.81	30.00	PASS
5	2432	MCS0	11	15.17	11.81	30.00	PASS
6	2437	MCS0	11.5	17.06	12.32	30.00	PASS
7	2442	MCS0	11	15.17	11.81	30.00	PASS
8	2447	MCS0	11	15.74	11.97	30.00	PASS
9	2452	MCS0	6.5	6.01	7.79	30.00	PASS

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t (886-2) 2299-3279

f (886-2) 2298-0488

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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	9	16.36	16.21	85.03	19.30	30.00	PASS
4	2427	MCS0	11.5	18.31	18.21	133.99	21.27	30.00	PASS
5	2432	MCS0	11.5	18.35	18.15	133.70	21.26	30.00	PASS
6	2437	MCS0	12	18.81	18.64	149.15	21.74	30.00	PASS
7	2442	MCS0	11.5	18.45	18.12	134.85	21.30	30.00	PASS
8	2447	MCS0	11.5	18.47	18.15	135.62	21.32	30.00	PASS
9	2452	MCS0	7	14.56	13.99	53.64	17.29	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	9	9.79	9.60	18.65	12.71	30.00	PASS
4	2427	MCS0	11.5	12.27	12.07	32.97	15.18	30.00	PASS
5	2432	MCS0	11.5	12.24	11.98	32.53	15.12	30.00	PASS
6	2437	MCS0	12	12.82	12.34	36.28	15.60	30.00	PASS
7	2442	MCS0	11.5	12.32	12.12	33.35	15.23	30.00	PASS
8	2447	MCS0	11.5	12.58	12.05	34.15	15.33	30.00	PASS
9	2452	MCS0	7	8.12	7.76	12.46	10.95	30.00	PASS

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f (886-2) 2298-0488

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802.11ac_VHT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	56.23	17.50	30.00	PASS
2	2417	MCS0	15.5	155.60	21.92	30.00	PASS
3	2422	MCS0	17.5	237.14	23.75	30.00	PASS
4	2427	MCS0	19.5	338.06	25.29	30.00	PASS
6	2437	MCS0	19.5	356.45	25.52	30.00	PASS
8	2447	MCS0	18.5	285.76	24.56	30.00	PASS
9	2452	MCS0	16.5	166.72	22.22	30.00	PASS
10	2457	MCS0	16.5	163.31	22.13	30.00	PASS
11	2462	MCS0	10	39.08	15.92	30.00	PASS

802.11ac_VHT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	14.27	11.55	30.00	PASS
2	2417	MCS0	15.5	36.73	15.65	30.00	PASS
3	2422	MCS0	17.5	57.54	17.60	30.00	PASS
4	2427	MCS0	19.5	106.17	20.26	30.00	PASS
6	2437	MCS0	19.5	109.90	20.41	30.00	PASS
8	2447	MCS0	18.5	85.11	19.30	30.00	PASS
9	2452	MCS0	16.5	46.03	16.63	30.00	PASS
10	2457	MCS0	16.5	46.45	16.67	30.00	PASS
11	2462	MCS0	10	11.83	10.73	30.00	PASS

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802.11ac_VHT_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	54.95	17.40	30.00	PASS
2	2417	MCS0	15.5	145.88	21.64	30.00	PASS
3	2422	MCS0	17.5	237.14	23.75	30.00	PASS
4	2427	MCS0	19.5	331.89	25.21	30.00	PASS
6	2437	MCS0	19.5	348.34	25.42	30.00	PASS
8	2447	MCS0	18.5	281.84	24.50	30.00	PASS
9	2452	MCS0	16.5	158.49	22.00	30.00	PASS
10	2457	MCS0	16.5	157.76	21.98	30.00	PASS
11	2462	MCS0	10	38.19	15.82	30.00	PASS

802.11ac_VHT_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	13.95	11.45	30.00	PASS
2	2417	MCS0	15.5	36.14	15.58	30.00	PASS
3	2422	MCS0	17.5	56.89	17.55	30.00	PASS
4	2427	MCS0	19.5	104.23	20.18	30.00	PASS
6	2437	MCS0	19.5	105.68	20.24	30.00	PASS
8	2447	MCS0	18.5	80.91	19.08	30.00	PASS
9	2452	MCS0	16.5	44.87	16.52	30.00	PASS
10	2457	MCS0	16.5	45.71	16.60	30.00	PASS
11	2462	MCS0	10	11.56	10.63	30.00	PASS

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t (886-2) 2299-3279

f (886-2) 2298-0488

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802.11ac_VHT20M_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	20.29	19.93	205.31	23.12	30.00	PASS
2	2417	MCS0	16	21.78	21.42	289.34	24.61	30.00	PASS
3	2422	MCS0	18	23.06	22.81	393.29	25.95	30.00	PASS
4	2427	MCS0	20	25.56	25.38	704.89	28.48	30.00	PASS
6	2437	MCS0	20	25.79	25.52	735.77	28.67	30.00	PASS
8	2447	MCS0	19	24.63	24.64	581.47	27.65	30.00	PASS
9	2452	MCS0	17	22.00	21.82	310.54	24.92	30.00	PASS
10	2457	MCS0	17	21.98	21.87	311.58	24.94	30.00	PASS
11	2462	MCS0	10	19.69	19.28	177.83	22.50	30.00	PASS

802.11ac_VHT20M_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	11.91	11.56	29.85	14.75	30.00	PASS
2	2417	MCS0	16	16.10	15.87	79.37	19.00	30.00	PASS
3	2422	MCS0	18	18.08	17.84	125.08	20.97	30.00	PASS
4	2427	MCS0	20	20.53	19.97	212.29	23.27	30.00	PASS
6	2437	MCS0	20	20.65	20.22	221.34	23.45	30.00	PASS
8	2447	MCS0	19	19.80	19.20	178.68	22.52	30.00	PASS
9	2452	MCS0	17	16.95	17.01	99.78	19.99	30.00	PASS
10	2457	MCS0	17	17.12	16.99	101.53	20.07	30.00	PASS
11	2462	MCS0	10	11.06	10.62	24.30	13.86	30.00	PASS

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802.11ac_VHT_40M Ch0							
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	8.5	36.73	15.65	30.00	PASS
4	2427	MCS0	11	64.57	18.10	30.00	PASS
5	2432	MCS0	11	65.01	18.13	30.00	PASS
6	2437	MCS0	11.5	71.61	18.55	30.00	PASS
7	2442	MCS0	11	62.81	17.98	30.00	PASS
8	2447	MCS0	11	67.61	18.30	30.00	PASS
9	2452	MCS0	6.5	21.23	13.27	30.00	PASS
802.11ac_VHT_40M Ch0							
CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	8.5	9.07	9.58	30.00	PASS
4	2427	MCS0	11	15.63	11.94	30.00	PASS
5	2432	MCS0	11	15.85	12.00	30.00	PASS
6	2437	MCS0	11.5	17.70	12.48	30.00	PASS
7	2442	MCS0	11	15.60	11.93	30.00	PASS
8	2447	MCS0	11	16.44	12.16	30.00	PASS
9	2452	MCS0	6.5	5.97	7.76	30.00	PASS

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f (886-2) 2298-0488

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802.11ac_VHT_40M Ch1							
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	8.5	35.89	15.55	30.00	PASS
4	2427	MCS0	11	63.10	18.00	30.00	PASS
5	2432	MCS0	11	63.53	18.03	30.00	PASS
6	2437	MCS0	11.5	69.98	18.45	30.00	PASS
7	2442	MCS0	11	61.38	17.88	30.00	PASS
8	2447	MCS0	11	66.07	18.20	30.00	PASS
9	2452	MCS0	6.5	20.89	13.20	30.00	PASS
802.11ac_VHT_40M Ch1							
CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	8.5	8.86	9.48	30.00	PASS
4	2427	MCS0	11	15.28	11.84	30.00	PASS
5	2432	MCS0	11	15.49	11.90	30.00	PASS
6	2437	MCS0	11.5	17.30	12.38	30.00	PASS
7	2442	MCS0	11	15.24	11.83	30.00	PASS
8	2447	MCS0	11	16.07	12.06	30.00	PASS
9	2452	MCS0	6.5	5.86	7.68	30.00	PASS

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t (886-2) 2299-3279

f (886-2) 2298-0488

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802.11ac_VHT40M_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	9	16.22	16.12	82.81	19.18	30.00	PASS
4	2427	MCS0	11.5	18.19	18.13	130.93	21.17	30.00	PASS
5	2432	MCS0	11.5	18.25	18.08	131.10	21.18	30.00	PASS
6	2437	MCS0	12	18.69	18.61	146.57	21.66	30.00	PASS
7	2442	MCS0	11.5	18.40	17.98	131.99	21.21	30.00	PASS
8	2447	MCS0	11.5	18.36	17.98	131.35	21.18	30.00	PASS
9	2452	MCS0	7	14.39	13.92	52.14	17.17	30.00	PASS

802.11ac_VHT40M_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	9	9.61	9.49	18.03	12.56	30.00	PASS
4	2427	MCS0	11.5	12.11	12.04	32.25	15.09	30.00	PASS
5	2432	MCS0	11.5	12.14	11.93	31.96	15.05	30.00	PASS
6	2437	MCS0	12	12.81	12.24	35.85	15.54	30.00	PASS
7	2442	MCS0	11.5	12.12	12.11	32.55	15.13	30.00	PASS
8	2447	MCS0	11.5	12.55	11.89	33.44	15.24	30.00	PASS
9	2452	MCS0	7	8.05	7.58	12.11	10.83	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	11.5	72.36	18.60	30.00	PASS
			26/0	11	97.61	19.90	30.00	PASS
			52/37	11	97.16	19.88	30.00	PASS
			106/53	11	104.95	20.21	30.00	PASS
2	2417	MCS0	full	17	276.69	24.42	30.00	PASS
3	2422	MCS0	full	16.5	256.45	24.09	30.00	PASS
4	2427	MCS0	full	18.5	404.58	26.07	30.00	PASS
6	2437	MCS0	full	18.5	381.94	25.82	30.00	PASS
9	2452	MCS0	full	18	382.82	25.83	30.00	PASS
10	2457	MCS0	full	17	306.20	24.86	30.00	PASS
11	2462	MCS0	full	13.5	123.03	20.90	30.00	PASS
			26/8	13	120.78	20.82	30.00	PASS
			52/40	13	121.62	20.85	30.00	PASS
			106/54	13	120.50	20.81	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	11.5	17.91	12.53	30.00	PASS
			26/0	11	17.42	12.41	30.00	PASS
			52/37	11	17.00	12.31	30.00	PASS
			106/53	11	17.66	12.47	30.00	PASS
2	2417	MCS0	full	17	65.46	18.16	30.00	PASS
3	2422	MCS0	full	16.5	62.52	17.96	30.00	PASS
4	2427	MCS0	full	18.5	99.31	19.97	30.00	PASS
6	2437	MCS0	full	18.5	102.09	20.09	30.00	PASS
9	2452	MCS0	full	18	90.16	19.55	30.00	PASS
10	2457	MCS0	full	17	78.70	18.96	30.00	PASS
11	2462	MCS0	full	13.5	29.85	14.75	30.00	PASS
			26/8	13	28.68	14.58	30.00	PASS
			52/40	13	29.55	14.71	30.00	PASS
			106/54	13	28.61	14.57	30.00	PASS

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t (886-2) 2299-3279

f (886-2) 2298-0488

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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	11.5	72.36	18.60	30.00	PASS
			26/0	11	97.61	19.90	30.00	PASS
			52/37	11	97.16	19.88	30.00	PASS
			106/53	11	104.95	20.21	30.00	PASS
2	2417	MCS0	full	17	239.33	23.79	30.00	PASS
3	2422	MCS0	full	16.5	225.94	23.54	30.00	PASS
4	2427	MCS0	full	18.5	350.75	25.45	30.00	PASS
6	2437	MCS0	full	18.5	364.75	25.62	30.00	PASS
9	2452	MCS0	full	18	314.77	24.98	30.00	PASS
10	2457	MCS0	full	17	252.93	24.03	30.00	PASS
11	2462	MCS0	full	13.5	121.62	20.85	30.00	PASS
			26/8	13	119.12	20.76	30.00	PASS
			52/40	13	121.06	20.83	30.00	PASS
			106/54	13	119.95	20.79	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	11.5	17.78	12.50	30.00	PASS
			26/0	11	17.24	12.37	30.00	PASS
			52/37	11	16.77	12.25	30.00	PASS
			106/53	11	17.40	12.41	30.00	PASS
2	2417	MCS0	full	17	59.84	17.77	30.00	PASS
3	2422	MCS0	full	16.5	52.12	17.17	30.00	PASS
4	2427	MCS0	full	18.5	84.72	19.28	30.00	PASS
6	2437	MCS0	full	18.5	86.90	19.39	30.00	PASS
9	2452	MCS0	full	18	76.21	18.82	30.00	PASS
10	2457	MCS0	full	17	60.26	17.80	30.00	PASS
11	2462	MCS0	full	13.5	29.58	14.71	30.00	PASS
			26/8	13	28.55	14.56	30.00	PASS
			52/40	13	29.15	14.65	30.00	PASS
			106/54	13	28.42	14.54	30.00	PASS

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f (886-2) 2298-0488

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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	12	20.83	20.67	237.74	23.76	30.00	PASS
			26/0	11.5	21.95	21.66	303.23	24.82	30.00	PASS
			52/37	11.5	22.10	21.77	312.50	24.95	30.00	PASS
			106/53	11.5	21.94	21.20	288.14	24.60	30.00	PASS
2	2417	MCS0	full	17.5	24.71	24.11	553.43	27.43	30.00	PASS
3	2422	MCS0	full	17	24.54	23.83	525.99	27.21	30.00	PASS
4	2427	MCS0	full	19	26.34	25.75	806.36	29.07	30.00	PASS
6	2437	MCS0	full	19	26.10	25.84	791.09	28.98	30.00	PASS
9	2452	MCS0	full	18.5	26.15	25.37	756.45	28.79	30.00	PASS
10	2457	MCS0	full	17.5	25.19	24.16	590.98	27.72	30.00	PASS
11	2462	MCS0	full	14	21.80	21.57	294.91	24.70	30.00	PASS
			26/8	13.5	22.40	22.16	337.83	25.29	30.00	PASS
			52/40	13.5	22.39	22.18	338.39	25.29	30.00	PASS
			106/54	13.5	22.53	22.00	337.37	25.28	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	12	12.85	12.34	36.41	15.61	30.00	PASS
			26/0	11.5	12.64	12.45	35.91	15.55	30.00	PASS
			52/37	11.5	12.52	12.34	34.97	15.44	30.00	PASS
			106/53	11.5	12.50	12.52	35.61	15.52	30.00	PASS
2	2417	MCS0	full	17.5	18.51	17.90	132.62	21.23	30.00	PASS
3	2422	MCS0	full	17	18.18	17.69	124.51	20.95	30.00	PASS
4	2427	MCS0	full	19	20.49	19.48	200.66	23.02	30.00	PASS
6	2437	MCS0	full	19	20.55	19.80	209.00	23.20	30.00	PASS
9	2452	MCS0	full	18.5	19.91	19.19	180.93	22.58	30.00	PASS
10	2457	MCS0	full	17.5	19.19	18.07	147.11	21.68	30.00	PASS
11	2462	MCS0	full	14	14.91	14.74	60.76	17.84	30.00	PASS
			26/8	13.5	14.63	14.55	57.49	17.60	30.00	PASS
			52/40	13.5	14.87	14.68	60.01	17.78	30.00	PASS
			106/54	13.5	14.65	14.51	57.37	17.59	30.00	PASS

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f (886-2) 2298-0488

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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	7.5	29.85	14.75	30.00	PASS
			242/61	6	32.21	15.08	30.00	PASS
4	2427	MCS0	full	8.5	39.36	15.95	30.00	PASS
5	2432	MCS0	full	11.5	77.98	18.92	30.00	PASS
6	2437	MCS0	full	12.5	89.33	19.51	30.00	PASS
7	2442	MCS0	full	11.5	74.13	18.70	30.00	PASS
8	2447	MCS0	full	8.5	37.24	15.71	30.00	PASS
9	2452	MCS0	full	8	34.24	15.35	30.00	PASS
			242/62	7.5	33.88	15.30	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	7.5	6.89	8.39	30.00	PASS
			242/61	6	5.45	7.36	30.00	PASS
4	2427	MCS0	full	8.5	9.68	9.86	30.00	PASS
5	2432	MCS0	full	11.5	19.14	12.82	30.00	PASS
6	2437	MCS0	full	12.5	23.71	13.75	30.00	PASS
7	2442	MCS0	full	11.5	19.28	12.85	30.00	PASS
8	2447	MCS0	full	8.5	10.02	10.01	30.00	PASS
9	2452	MCS0	full	8	8.69	9.39	30.00	PASS
			242/62	7.5	8.63	9.36	30.00	PASS

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f (886-2) 2298-0488

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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	7.5	29.44	14.69	30.00	PASS
			242/61	6	28.44	14.54	30.00	PASS
4	2427	MCS0	full	8.5	33.11	15.20	30.00	PASS
5	2432	MCS0	full	11.5	69.02	18.39	30.00	PASS
6	2437	MCS0	full	12.5	84.33	19.26	30.00	PASS
7	2442	MCS0	full	11.5	67.61	18.30	30.00	PASS
8	2447	MCS0	full	8.5	33.19	15.21	30.00	PASS
9	2452	MCS0	full	8	33.73	15.28	30.00	PASS
			242/62	7.5	33.50	15.25	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	7.5	6.81	8.33	30.00	PASS
			242/61	6	4.93	6.93	30.00	PASS
4	2427	MCS0	full	8.5	8.51	9.30	30.00	PASS
5	2432	MCS0	full	11.5	16.18	12.09	30.00	PASS
6	2437	MCS0	full	12.5	19.41	12.88	30.00	PASS
7	2442	MCS0	full	11.5	17.02	12.31	30.00	PASS
8	2447	MCS0	full	8.5	8.05	9.06	30.00	PASS
9	2452	MCS0	full	8	8.63	9.36	30.00	PASS
			242/62	7.5	8.53	9.31	30.00	PASS

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f (886-2) 2298-0488

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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	8	15.37	14.96	65.77	18.18	30.00	PASS
			242/61	6.5	15.38	14.83	64.92	18.12	30.00	PASS
4	2427	MCS0	full	9	16.10	15.45	75.81	18.80	30.00	PASS
5	2432	MCS0	full	12	19.42	18.79	163.18	22.13	30.00	PASS
6	2437	MCS0	full	13	19.75	19.43	182.11	22.60	30.00	PASS
7	2442	MCS0	full	12	19.12	18.66	155.11	21.91	30.00	PASS
8	2447	MCS0	full	9	15.96	15.55	75.34	18.77	30.00	PASS
9	2452	MCS0	full	9	16.57	16.04	85.57	19.32	30.00	PASS
			242/62	8.5	17.44	17.08	106.51	20.27	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	8	8.65	8.29	14.07	11.48	30.00	PASS
			242/61	6.5	7.61	7.24	11.07	10.44	30.00	PASS
4	2427	MCS0	full	9	10.14	9.55	19.34	12.87	30.00	PASS
5	2432	MCS0	full	12	13.10	12.36	37.64	15.76	30.00	PASS
6	2437	MCS0	full	13	13.91	13.17	45.35	16.57	30.00	PASS
7	2442	MCS0	full	12	13.09	12.46	37.99	15.80	30.00	PASS
8	2447	MCS0	full	9	10.36	9.32	19.41	12.88	30.00	PASS
9	2452	MCS0	full	9	9.75	9.45	18.25	12.61	30.00	PASS
			242/62	8.5	9.65	9.26	17.66	12.47	30.00	PASS

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t (886-2) 2299-3279

f (886-2) 2298-0488

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802.11be_EHT_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	11.5	69.74	18.44	30.00	PASS
			26/0	11	98.40	19.93	30.00	PASS
			52/37	11	96.05	19.83	30.00	PASS
			106/53	11	106.05	20.26	30.00	PASS
			52+26 MRU1	11	97.39	19.89	30.00	PASS
			106+26 MRU1	11	105.44	20.23	30.00	PASS
2	2417	MCS0	full	17	57.94	17.63	30.00	PASS
3	2422	MCS0	full	16.5	53.58	17.29	30.00	PASS
4	2427	MCS0	full	18.5	86.50	19.37	30.00	PASS
6	2437	MCS0	full	18.5	480.84	26.82	30.00	PASS
9	2452	MCS0	full	18	78.34	18.94	30.00	PASS
10	2457	MCS0	full	17	63.10	18.00	30.00	PASS
11	2462	MCS0	full	13.5	117.22	20.69	30.00	PASS
			26/8	13	160.88	22.07	30.00	PASS
			52/40	13	155.96	21.93	30.00	PASS
			106/54	13	165.01	22.18	30.00	PASS
			52+26 MRU3	13	180.93	22.58	30.00	PASS
			106+26 MRU2	13	182.81	22.62	30.00	PASS
802.11be_EHT_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	11.5	17.74	12.49	30.00	PASS
			26/0	11	17.10	12.33	30.00	PASS
			52/37	11	17.24	12.37	30.00	PASS
			106/53	11	17.41	12.41	30.00	PASS
			52+26 MRU1	11	17.44	12.42	30.00	PASS
			106+26 MRU1	11	17.37	12.40	30.00	PASS
2	2417	MCS0	full	17	67.14	18.27	30.00	PASS
3	2422	MCS0	full	16.5	62.52	17.96	30.00	PASS
4	2427	MCS0	full	18.5	103.75	20.16	30.00	PASS
6	2437	MCS0	full	18.5	109.40	20.39	30.00	PASS
9	2452	MCS0	full	18	91.41	19.61	30.00	PASS
10	2457	MCS0	full	17	76.74	18.85	30.00	PASS
11	2462	MCS0	full	13.5	29.51	14.70	30.00	PASS
			26/8	13	27.96	14.47	30.00	PASS
			52/40	13	29.21	14.66	30.00	PASS
			106/54	13	28.04	14.48	30.00	PASS
			52+26 MRU3	13	29.38	14.68	30.00	PASS
			106+26 MRU2	13	29.03	14.63	30.00	PASS

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t (886-2) 2299-3279

f (886-2) 2298-0488

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802.11be_EHT_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	11.5	109.90	20.41	30.00	PASS
			26/0	11	144.88	21.61	30.00	PASS
			52/37	11	142.23	21.53	30.00	PASS
			106/53	11	129.12	21.11	30.00	PASS
			52+26 MRU1	11	127.94	21.07	30.00	PASS
			106+26 MRU1	11	107.65	20.32	30.00	PASS
2	2417	MCS0	full	17	251.19	24.00	30.00	PASS
3	2422	MCS0	full	16.5	230.67	23.63	30.00	PASS
4	2427	MCS0	full	18.5	349.14	25.43	30.00	PASS
6	2437	MCS0	full	18.5	386.37	25.87	30.00	PASS
9	2452	MCS0	full	18	322.85	25.09	30.00	PASS
10	2457	MCS0	full	17	248.31	23.95	30.00	PASS
11	2462	MCS0	full	13.5	298.54	24.75	30.00	PASS
			26/8	13	409.26	26.12	30.00	PASS
			52/40	13	394.46	25.96	30.00	PASS
			106/54	13	399.02	26.01	30.00	PASS
			52+26 MRU3	13	380.19	25.80	30.00	PASS
			106+26 MRU2	13	432.51	26.36	30.00	PASS
802.11be_EHT_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	11.5	17.46	12.42	30.00	PASS
			26/0	11	16.93	12.29	30.00	PASS
			52/37	11	17.08	12.33	30.00	PASS
			106/53	11	17.29	12.38	30.00	PASS
			52+26 MRU1	11	17.20	12.36	30.00	PASS
			106+26 MRU1	11	17.23	12.36	30.00	PASS
2	2417	MCS0	full	17	57.54	17.60	30.00	PASS
3	2422	MCS0	full	16.5	56.10	17.49	30.00	PASS
4	2427	MCS0	full	18.5	86.30	19.36	30.00	PASS
6	2437	MCS0	full	18.5	91.20	19.60	30.00	PASS
9	2452	MCS0	full	18	76.56	18.84	30.00	PASS
10	2457	MCS0	full	17	61.94	17.92	30.00	PASS
11	2462	MCS0	full	13.5	28.97	14.62	30.00	PASS
			26/8	13	27.20	14.35	30.00	PASS
			52/40	13	28.88	14.61	30.00	PASS
			106/54	13	27.79	14.44	30.00	PASS
			52+26 MRU3	13	28.75	14.59	30.00	PASS
			106+26 MRU2	13	28.67	14.57	30.00	PASS

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f (886-2) 2298-0488

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802.11be_EHT20M_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	12	19.82	19.00	175.37	22.44	30.00	PASS
			26/0	11.5	19.94	19.64	190.67	22.80	30.00	PASS
			52/37	11.5	20.09	19.75	196.27	22.93	30.00	PASS
			106/53	11.5	20.50	19.76	206.70	23.15	30.00	PASS
			52+26 MRU1	11.5	20.09	19.37	188.49	22.75	30.00	PASS
			106+26 MRU1	11.5	20.33	19.77	202.63	23.07	30.00	PASS
2	2417	MCS0	full	17.5	24.83	24.20	567.12	27.54	30.00	PASS
3	2422	MCS0	full	17	24.46	23.85	521.92	27.18	30.00	PASS
4	2427	MCS0	full	19	26.26	25.51	778.30	28.91	30.00	PASS
6	2437	MCS0	full	19	27.14	26.21	935.44	29.71	30.00	PASS
9	2452	MCS0	full	18.5	25.95	25.34	735.53	28.67	30.00	PASS
10	2457	MCS0	full	17.5	25.16	24.36	600.99	27.79	30.00	PASS
11	2462	MCS0	full	14	21.80	21.57	294.91	24.70	30.00	PASS
			26/8	13.5	22.40	22.16	337.83	25.29	30.00	PASS
			52/40	13.5	22.39	22.18	338.39	25.29	30.00	PASS
			106/54	13.5	22.53	22.00	337.37	25.28	30.00	PASS
			52+26 MRU3	13.5	22.58	22.09	342.55	25.35	30.00	PASS
			106+26 MRU2	13.5	22.72	22.46	363.06	25.60	30.00	PASS
802.11be_EHT20M_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	12	12.88	12.37	36.67	15.64	30.00	PASS
			26/0	11.5	12.69	12.48	36.28	15.60	30.00	PASS
			52/37	11.5	12.55	12.36	35.17	15.46	30.00	PASS
			106/53	11.5	12.54	12.53	35.86	15.55	30.00	PASS
			52+26 MRU1	11.5	12.46	12.43	35.08	15.45	30.00	PASS
			106+26 MRU1	11.5	12.54	12.39	35.32	15.48	30.00	PASS
2	2417	MCS0	full	17.5	18.47	18.08	134.58	21.29	30.00	PASS
3	2422	MCS0	full	17	18.21	17.68	124.84	20.96	30.00	PASS
4	2427	MCS0	full	19	20.45	19.56	201.28	23.04	30.00	PASS
6	2437	MCS0	full	19	20.62	19.80	210.84	23.24	30.00	PASS
9	2452	MCS0	full	18.5	20.08	19.10	183.14	22.63	30.00	PASS
10	2457	MCS0	full	17.5	19.19	18.20	149.05	21.73	30.00	PASS
11	2462	MCS0	full	14	14.96	14.76	61.26	17.87	30.00	PASS
			26/8	13.5	14.66	14.59	57.99	17.63	30.00	PASS
			52/40	13.5	14.91	14.71	60.49	17.82	30.00	PASS
			106/54	13.5	14.69	14.54	57.90	17.63	30.00	PASS
			52+26 MRU3	13.5	14.82	14.68	59.66	17.76	30.00	PASS
			106+26 MRU2	13.5	14.82	14.53	58.74	17.69	30.00	PASS

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f (886-2) 2298-0488

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802.11be_EHT_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	7.5	29.11	14.64	30.00	PASS
			242/61	6	31.99	15.05	30.00	PASS
4	2427	MCS0	full	8.5	39.54	15.97	30.00	PASS
5	2432	MCS0	full	11.5	81.66	19.12	30.00	PASS
6	2437	MCS0	full	12.5	89.95	19.54	30.00	PASS
7	2442	MCS0	full	11.5	75.86	18.80	30.00	PASS
8	2447	MCS0	full	8.5	37.67	15.76	30.00	PASS
9	2452	MCS0	full	8	33.65	15.27	30.00	PASS
			242/62	7.5	50.23	17.01	30.00	PASS

802.11be_EHT_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	7.5	6.82	8.34	30.00	PASS
			242/61	6	5.61	7.49	30.00	PASS
4	2427	MCS0	full	8.5	9.73	9.88	30.00	PASS
5	2432	MCS0	full	11.5	19.19	12.83	30.00	PASS
6	2437	MCS0	full	12.5	23.60	13.73	30.00	PASS
7	2442	MCS0	full	11.5	19.68	12.94	30.00	PASS
8	2447	MCS0	full	8.5	10.52	10.22	30.00	PASS
9	2452	MCS0	full	8	8.81	9.45	30.00	PASS
			242/62	7.5	8.46	9.28	30.00	PASS

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802.11be_EHT_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	7.5	28.71	14.58	30.00	PASS
			242/61	6	28.71	14.58	30.00	PASS
4	2427	MCS0	full	8.5	33.96	15.31	30.00	PASS
5	2432	MCS0	full	11.5	70.79	18.50	30.00	PASS
6	2437	MCS0	full	12.5	83.75	19.23	30.00	PASS
7	2442	MCS0	full	11.5	68.23	18.34	30.00	PASS
8	2447	MCS0	full	8.5	33.50	15.25	30.00	PASS
9	2452	MCS0	full	8	33.19	15.21	30.00	PASS
			242/62	7.5	49.55	16.95	30.00	PASS
802.11be_EHT_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	7.5	6.76	8.30	30.00	PASS
			242/61	6	4.97	6.96	30.00	PASS
4	2427	MCS0	full	8.5	8.61	9.35	30.00	PASS
5	2432	MCS0	full	11.5	16.52	12.18	30.00	PASS
6	2437	MCS0	full	12.5	19.91	12.99	30.00	PASS
7	2442	MCS0	full	11.5	17.30	12.38	30.00	PASS
8	2447	MCS0	full	8.5	8.45	9.27	30.00	PASS
9	2452	MCS0	full	8	8.65	9.37	30.00	PASS
			242/62	7.5	8.42	9.25	30.00	PASS

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802.11be_EHT40M_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	8	15.42	15.01	66.53	18.23	30.00	PASS
			242/61	6.5	15.37	14.83	64.84	18.12	30.00	PASS
4	2427	MCS0	full	9	16.41	15.57	79.81	19.02	30.00	PASS
5	2432	MCS0	full	12	19.30	18.74	159.93	22.04	30.00	PASS
6	2437	MCS0	full	13	19.83	19.35	182.26	22.61	30.00	PASS
7	2442	MCS0	full	12	19.20	18.74	157.99	21.99	30.00	PASS
8	2447	MCS0	full	9	16.09	15.44	75.64	18.79	30.00	PASS
9	2452	MCS0	full	9	16.61	16.05	86.09	19.35	30.00	PASS
			242/62	8.5	17.47	17.13	107.49	20.31	30.00	PASS

802.11be_EHT40M_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	8	8.71	8.33	14.24	11.53	30.00	PASS
			242/61	6.5	7.63	7.24	11.09	10.45	30.00	PASS
4	2427	MCS0	full	9	10.22	9.60	19.64	12.93	30.00	PASS
5	2432	MCS0	full	12	13.19	12.40	38.22	15.82	30.00	PASS
6	2437	MCS0	full	13	13.95	13.29	46.16	16.64	30.00	PASS
7	2442	MCS0	full	12	13.13	12.50	38.34	15.84	30.00	PASS
8	2447	MCS0	full	9	10.26	9.47	19.47	12.89	30.00	PASS
9	2452	MCS0	full	9	9.80	9.47	18.40	12.65	30.00	PASS
			242/62	8.5	9.75	9.31	17.96	12.54	30.00	PASS

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7.4 Maximum Power Spectral Density

POWER DENSITY 802.11b					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-2.65	-3.21	0.09	6.95	PASS
2437	-2.77	-3.09	0.08	6.95	PASS
2462	-3.24	-3.76	-0.48	6.95	PASS

POWER DENSITY 802.11g					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-16.04	-16.14	-13.08	6.95	PASS
2437	-6.43	-7.52	-3.93	6.95	PASS
2462	-13.49	-14.24	-10.84	6.95	PASS

POWER DENSITY 802.11n HT20					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-14.16	-15.43	-11.74	6.95	PASS
2437	-5.48	-4.81	-2.12	6.95	PASS
2462	-14.82	-15.6	-12.18	6.95	PASS

POWER DENSITY 802.11n HT40					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-19.56	-19.65	-16.59	6.95	PASS
2437	-16.64	-17.11	-13.86	6.95	PASS
2452	-18.62	-19.2	-15.89	6.95	PASS

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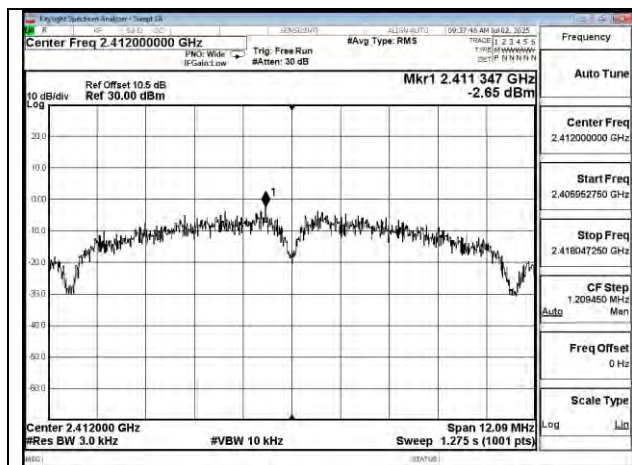
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POWER DENSITY 802.11be EHT20						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	full	-14.96	-14.89	-11.91	6.95	PASS
	26/0	-5.8	-6.32	-3.04	6.95	PASS
	52/37	-9.54	-9.74	-6.63	6.95	PASS
	106/53	-11.93	-11.11	-8.49	6.95	PASS
	52+26 MRU1	-9.02	-10.64	-6.74	6.95	PASS
	106+26 MRU1	-11.77	-11.43	-8.59	6.95	PASS
2437	full	-7.1	-7.68	-4.37	6.95	PASS
2462	full	-12.65	-11.17	-8.84	6.95	PASS
	26/8	-3.99	-4.45	-1.20	6.95	PASS
	52/40	-7.31	-6.04	-3.62	6.95	PASS
	106/54	-8.85	-9.22	-6.02	6.95	PASS
	52+26 MRU3	-7.38	-8.43	-4.86	6.95	PASS
	106+26 MRU2	-10.29	-9.98	-7.12	6.95	PASS

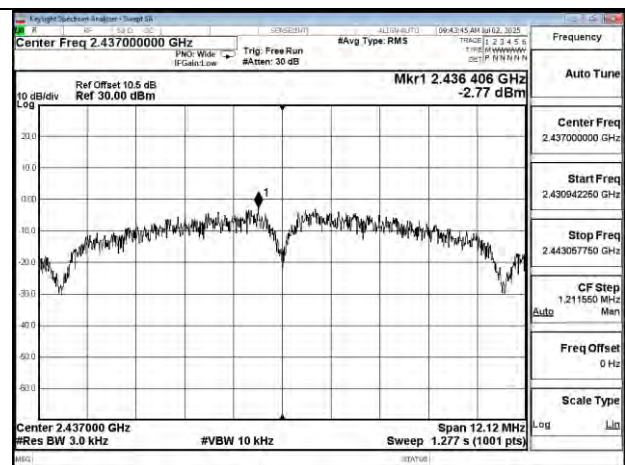
POWER DENSITY 802.11be EHT40						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	full	-21.15	-21.33	-18.23	6.95	PASS
	242/61	-18.46	-20.81	-16.47	6.95	PASS
2437	full	-16.75	-15.98	-13.34	6.95	PASS
2452	full	-20.1	-20.52	-17.29	6.95	PASS
	242/62	-16.87	-17.88	-14.34	6.95	PASS

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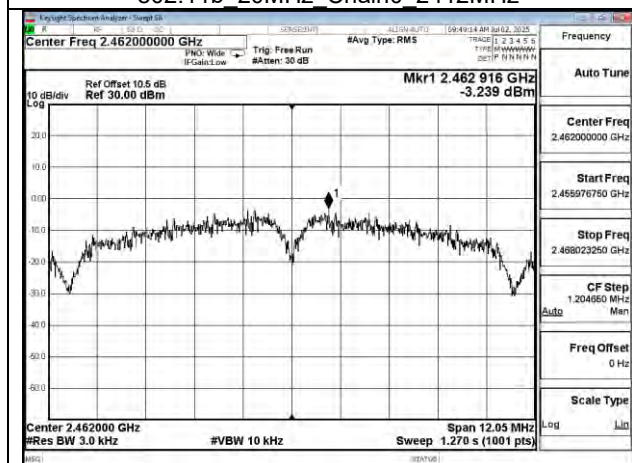
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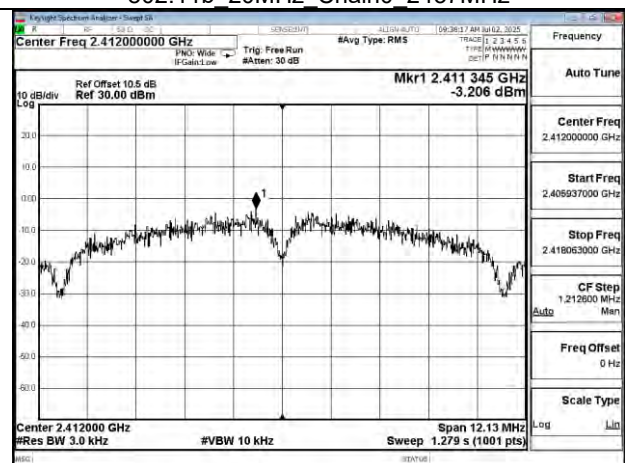
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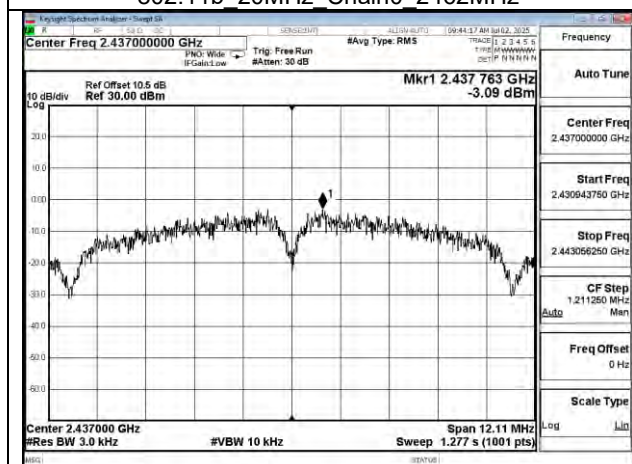
802.11b 20MHz Chain0 2437MHz



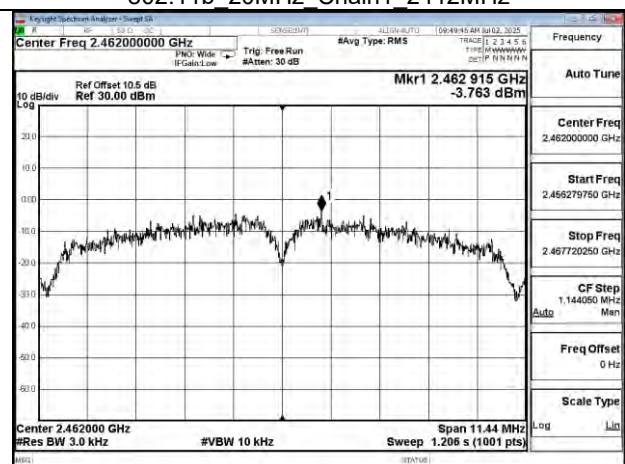
802.11b 20MHz Chain0 2462MHz



802.11b 20MHz Chain1 2412MHz



802.11b 20MHz Chain1 2437MHz



802.11b 20MHz Chain1 2462MHz

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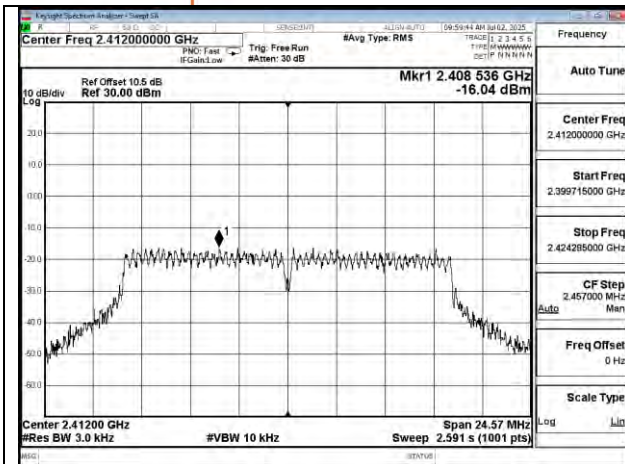
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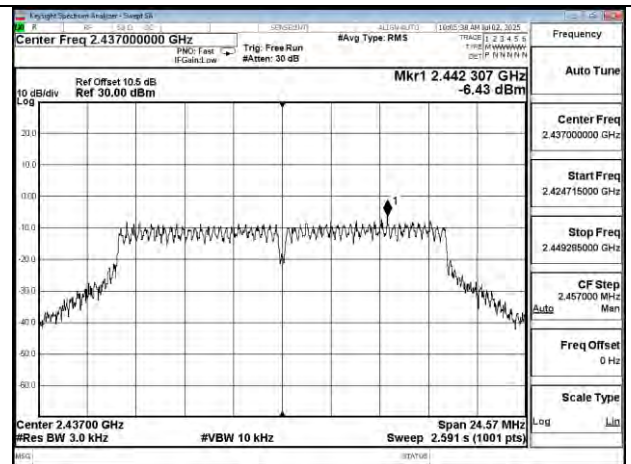
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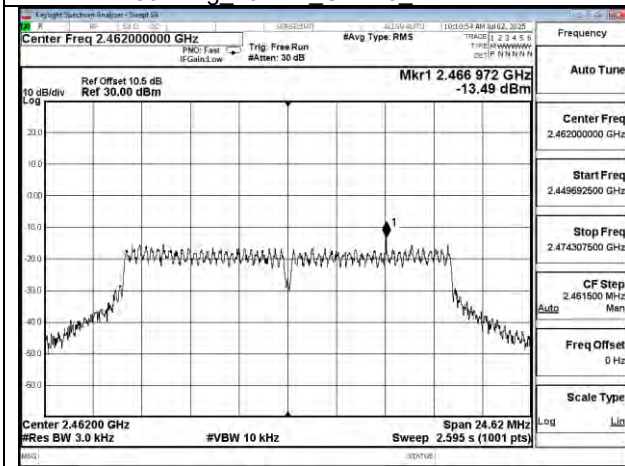
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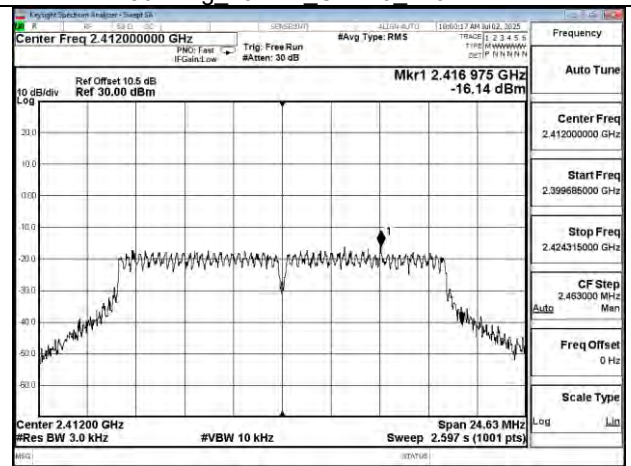
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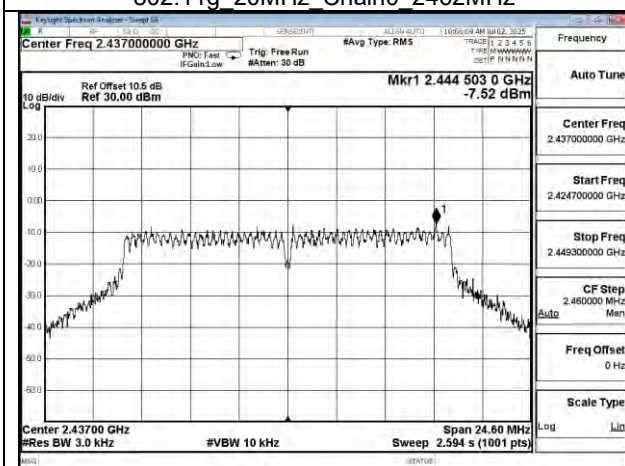
802.11g 20MHz Chain0 2437MHz



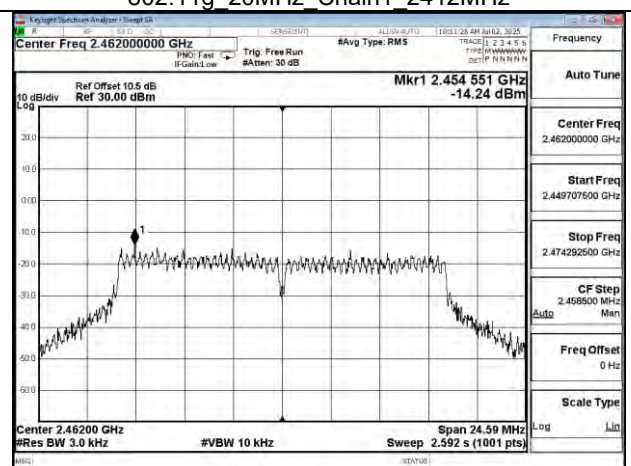
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802.11g 20MHz Chain1 2412MHz



802.11g 20MHz Chain1 2437MHz

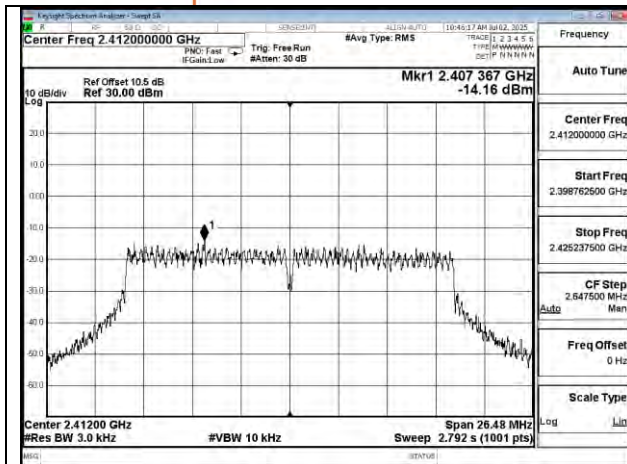


802.11g 20MHz Chain1 2462MHz

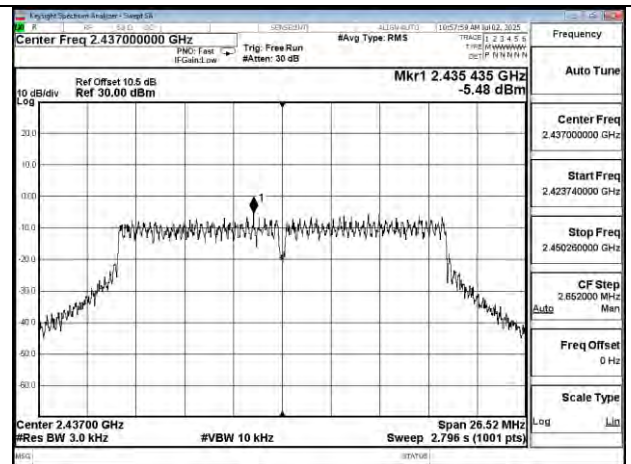
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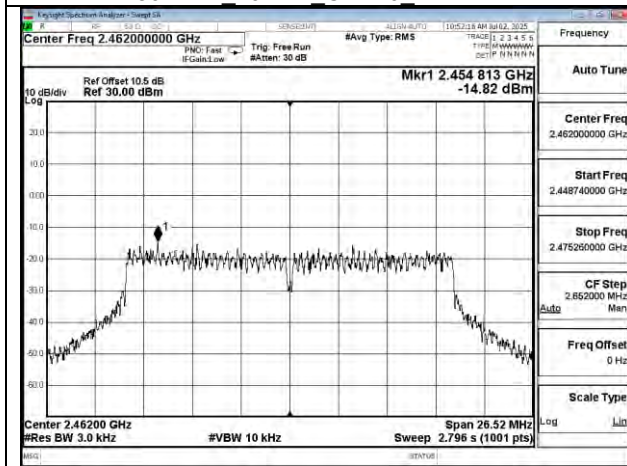
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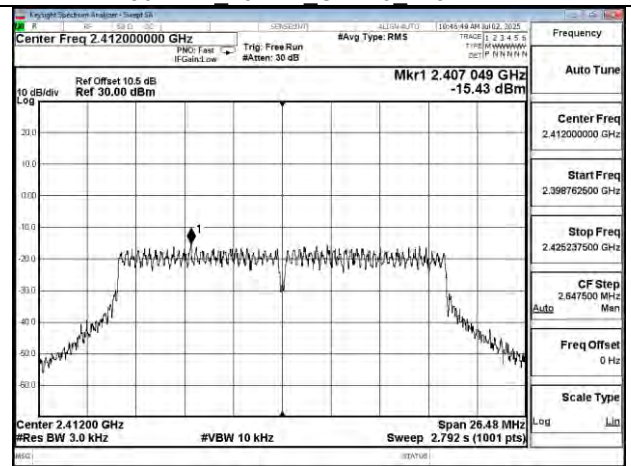
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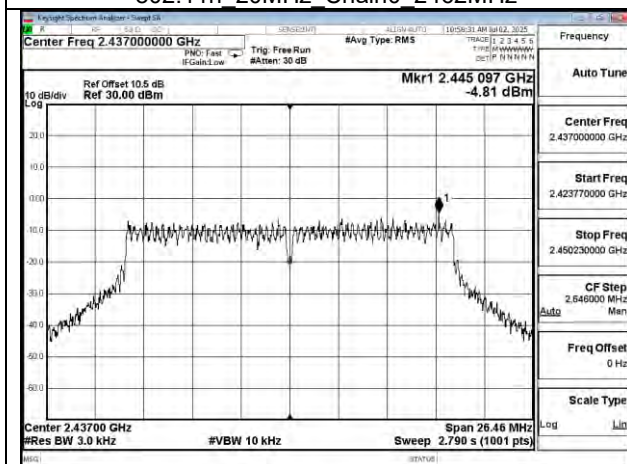
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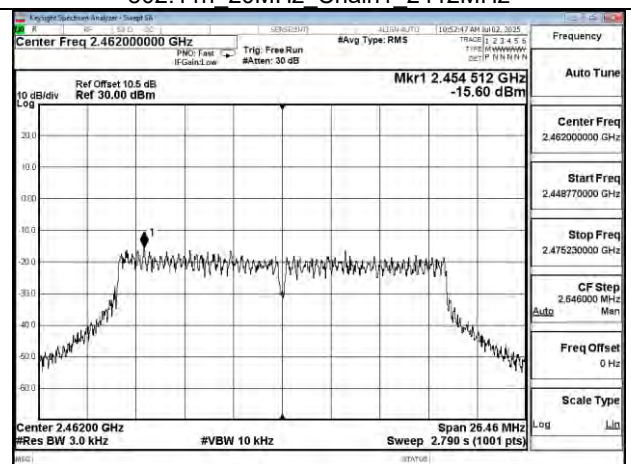
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802.11n 20MHz Chain1 2437MHz

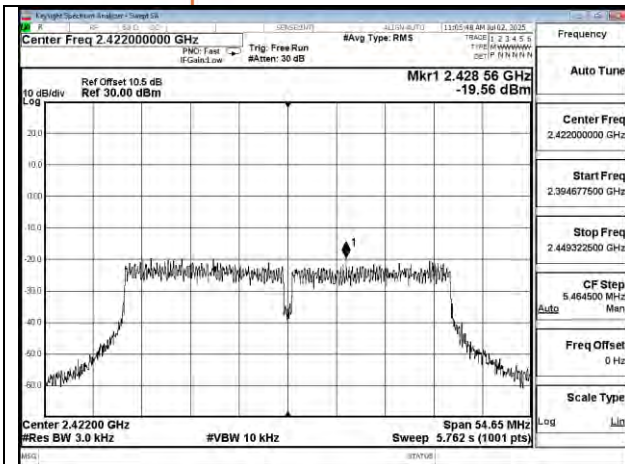


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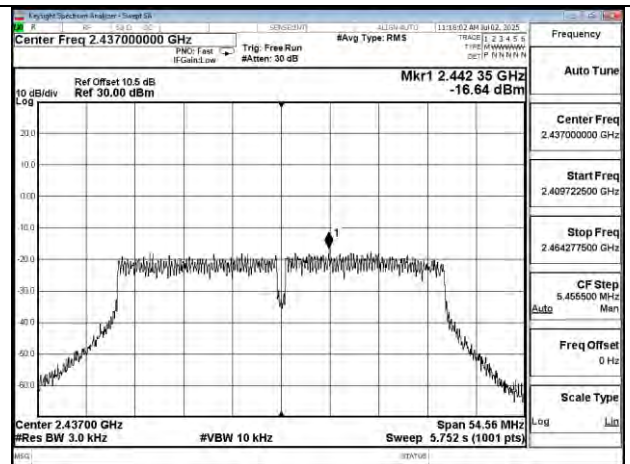
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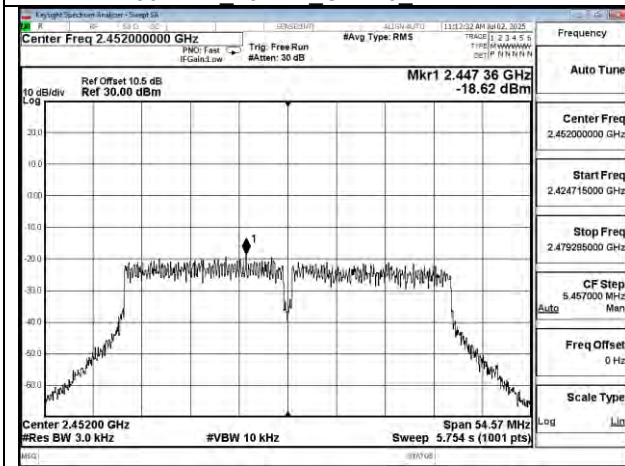
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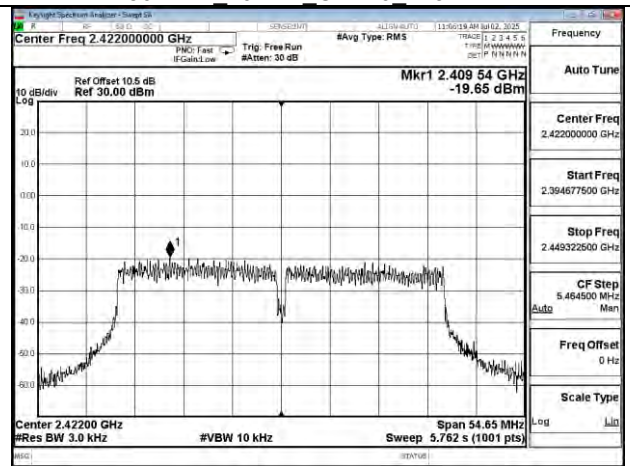
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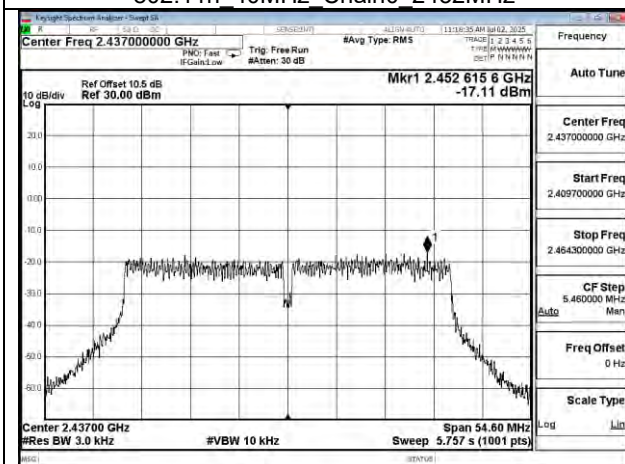
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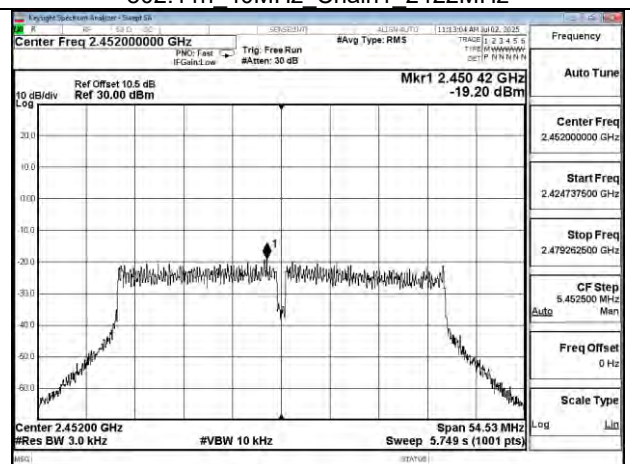
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802.11n 40MHz Chain1 2422MHz



802.11n 40MHz Chain1 2437MHz

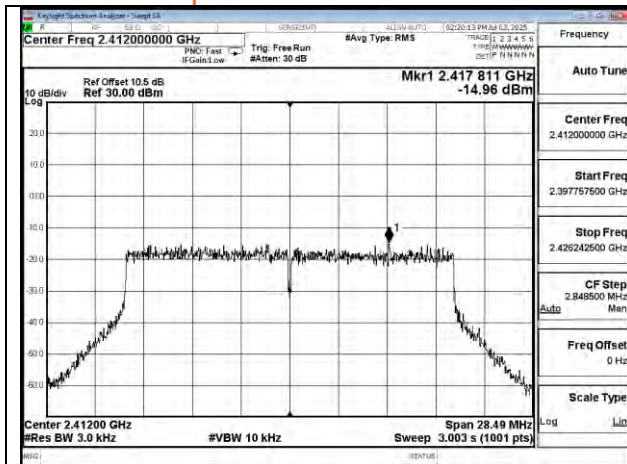


802.11n 40MHz Chain1 2452MHz

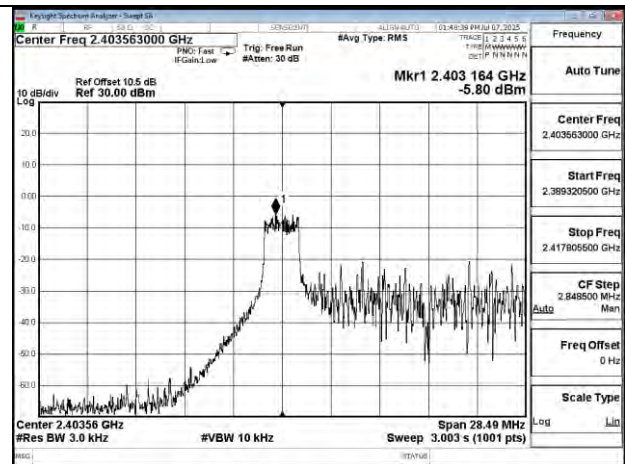
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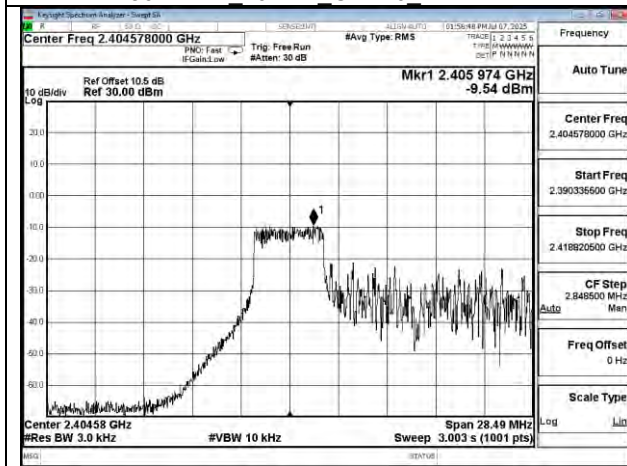
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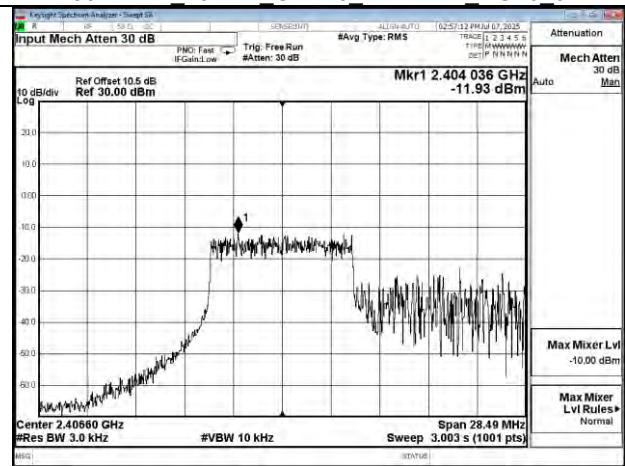
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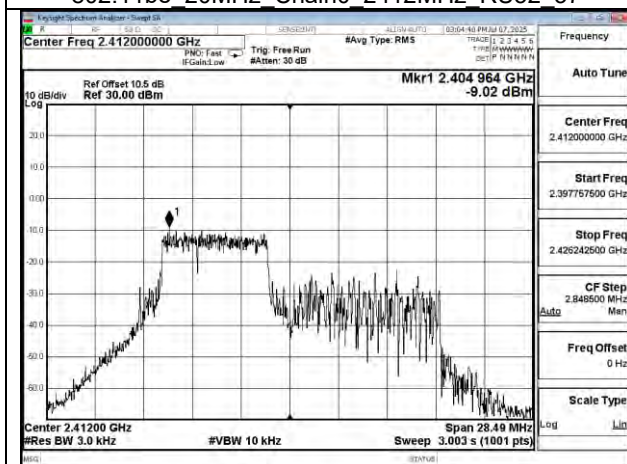
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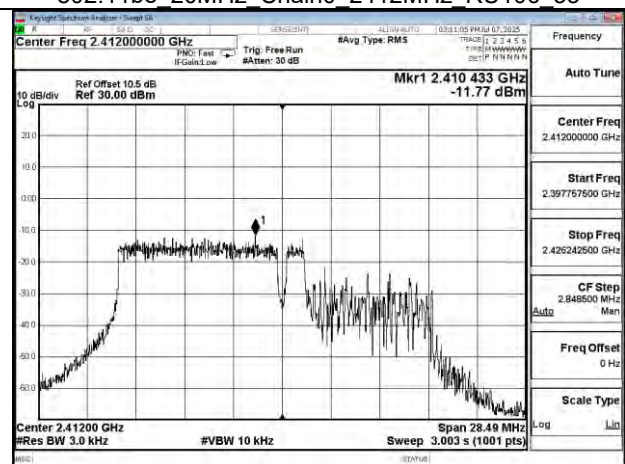
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802.11be 20MHz Chain0 2412MHz RU106 53



802.11be 20MHz Chain0 2412MHz 52+26 MRU1

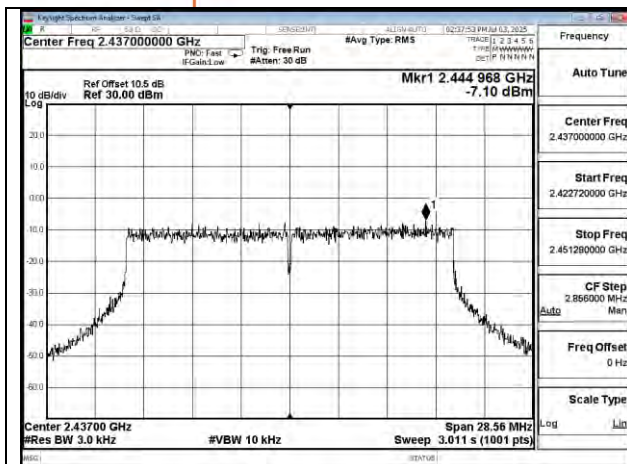


802.11be 20MHz Chain0 2412MHz 106+26 MRU1

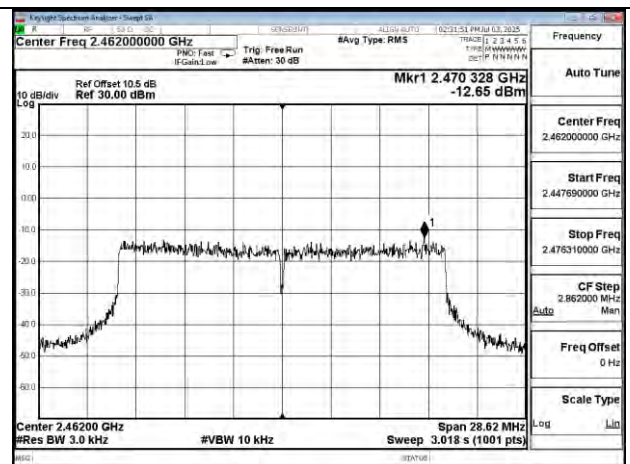
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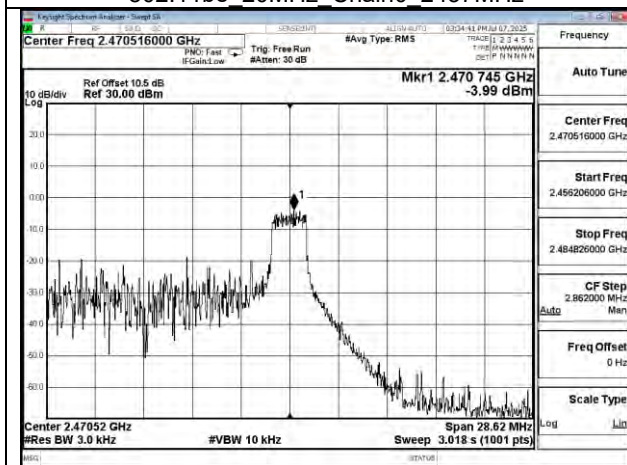
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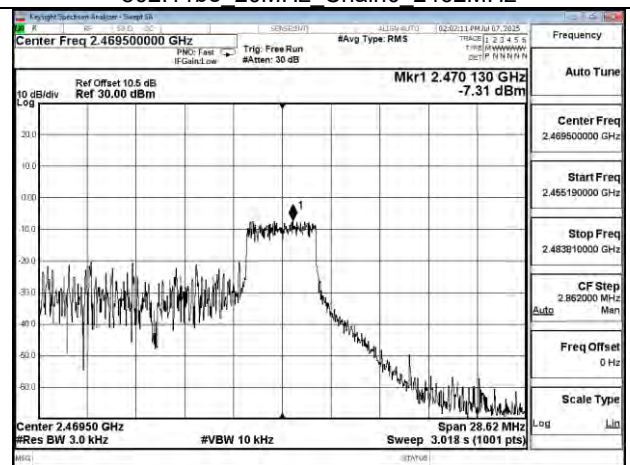
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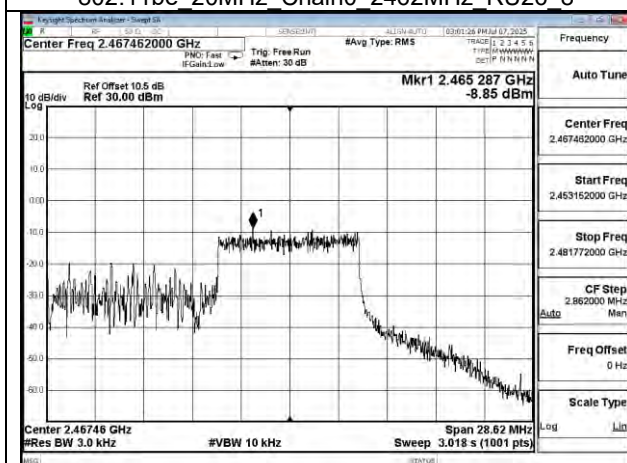
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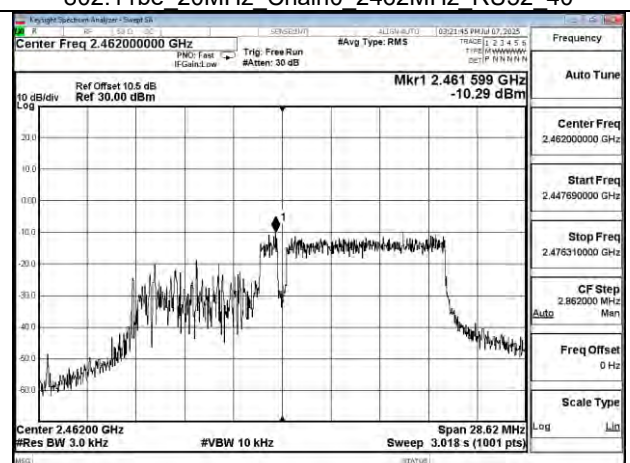
802.11be 20MHz Chain0 2462MHz RU26 8



802.11be 20MHz Chain0 2462MHz RU52 40



802.11be 20MHz Chain0 2462MHz RU106 54

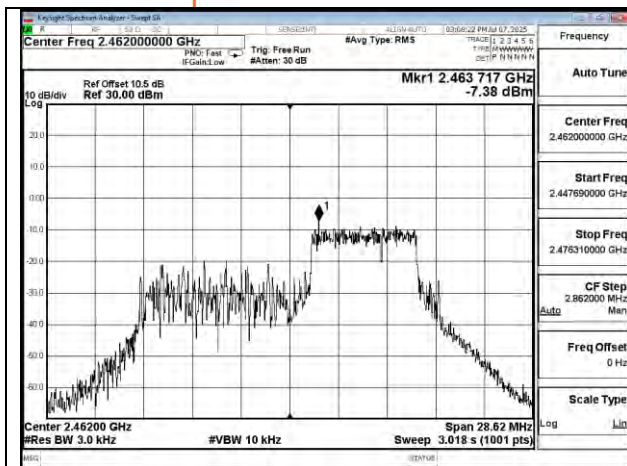


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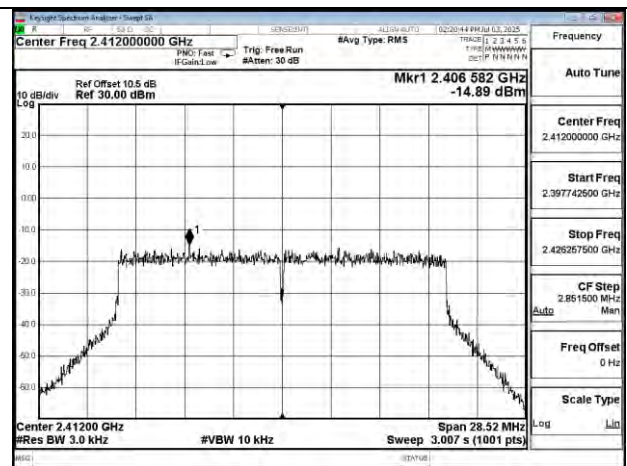
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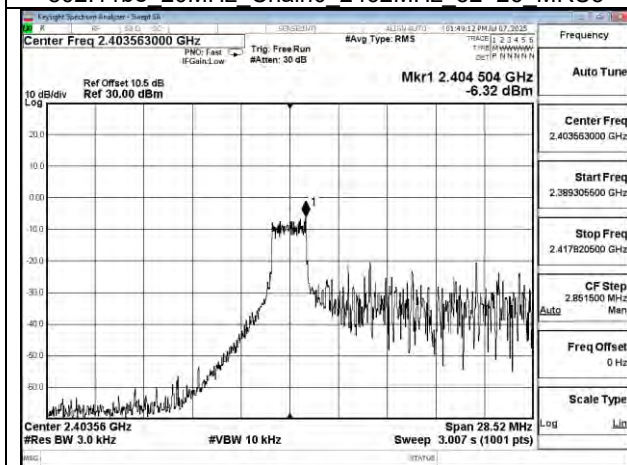
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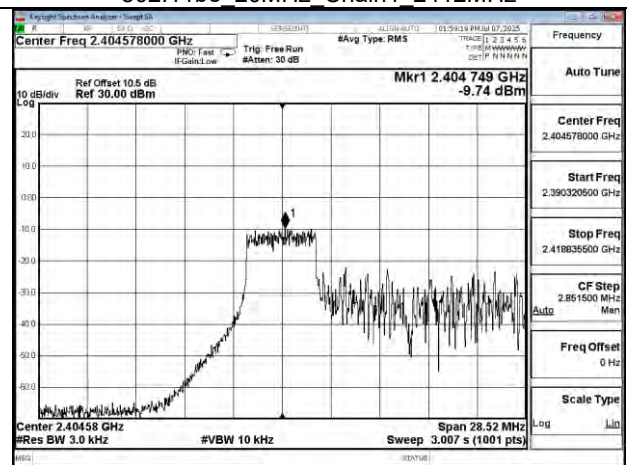
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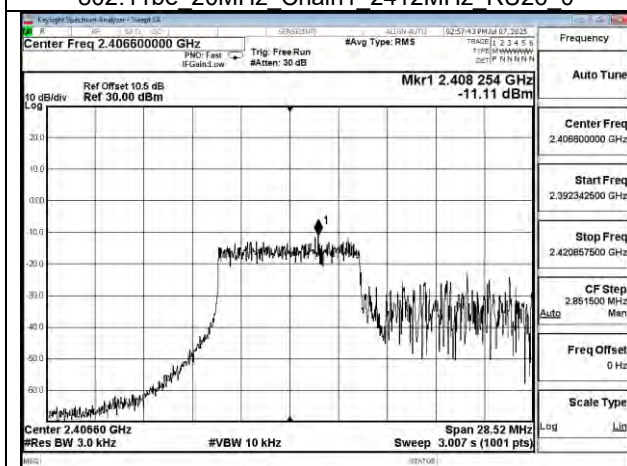
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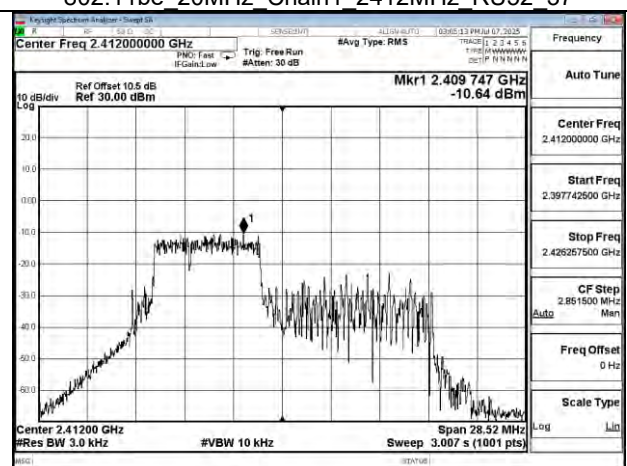
802.11be 20MHz Chain1 2412MHz RU26 0



802.11be 20MHz Chain1 2412MHz RU52 37



802.11be 20MHz Chain1 2412MHz RU106 53

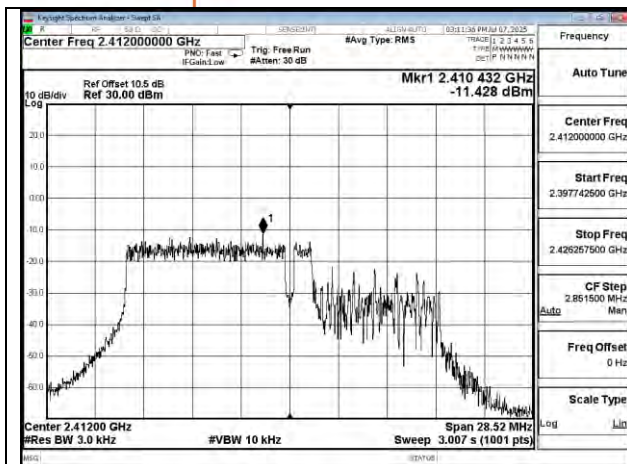


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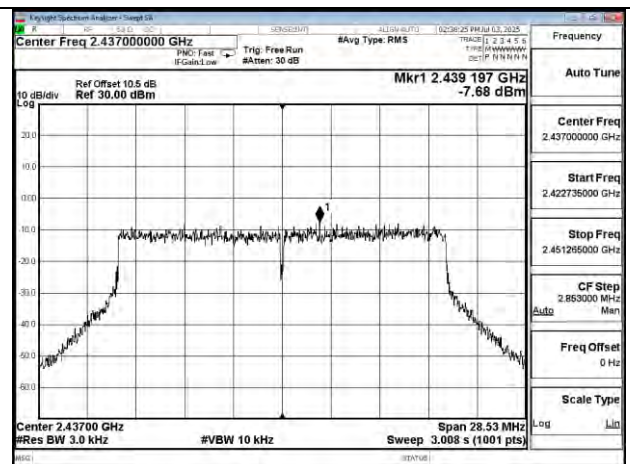
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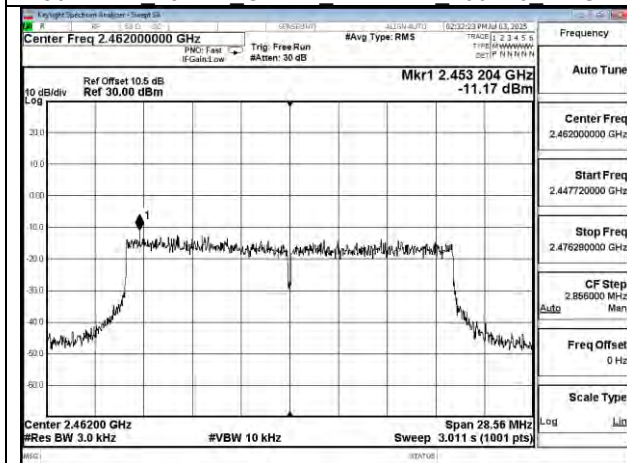
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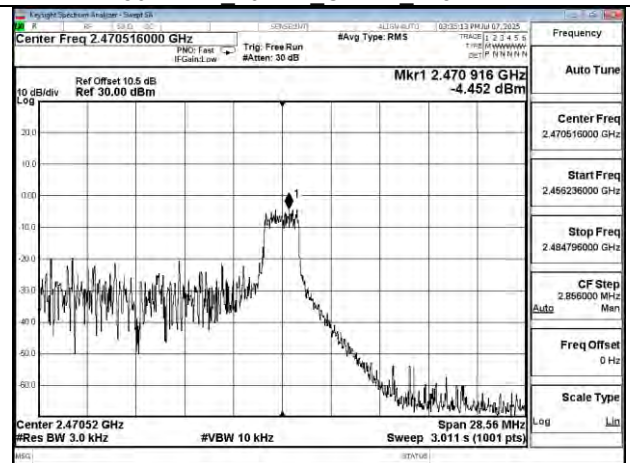
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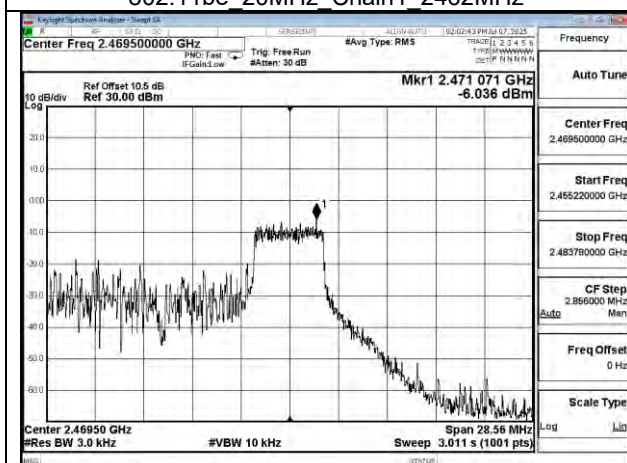
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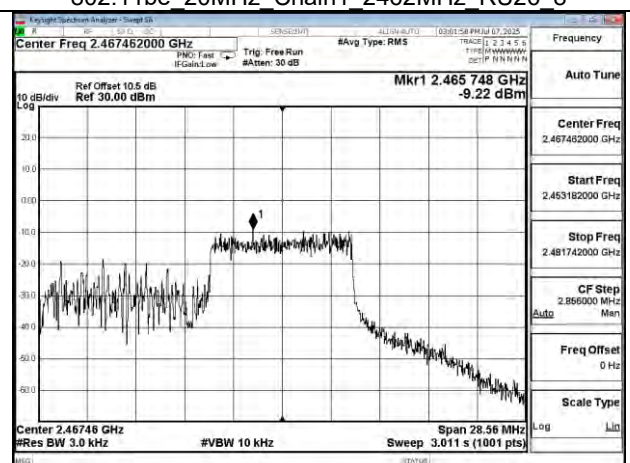
802.11be 20MHz Chain1 2462MHz



802.11be 20MHz Chain1 2462MHz RU26 8



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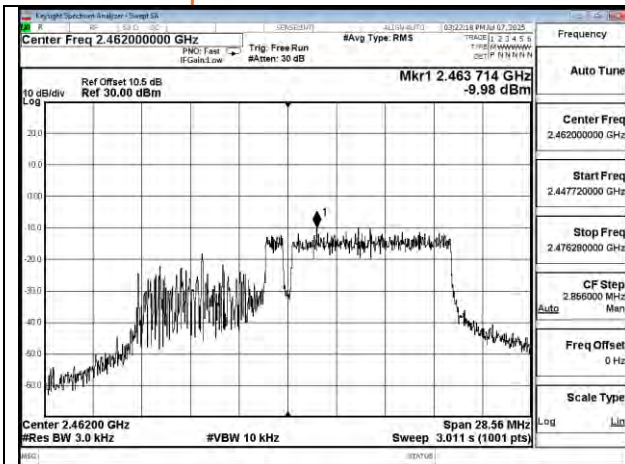


802.11be 20MHz Chain1 2462MHz RU106 54

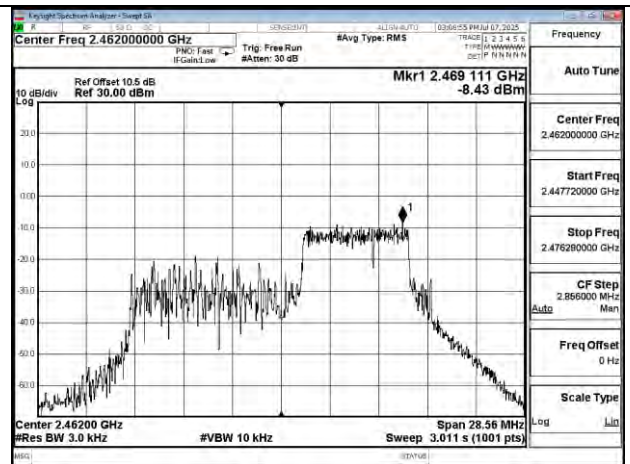
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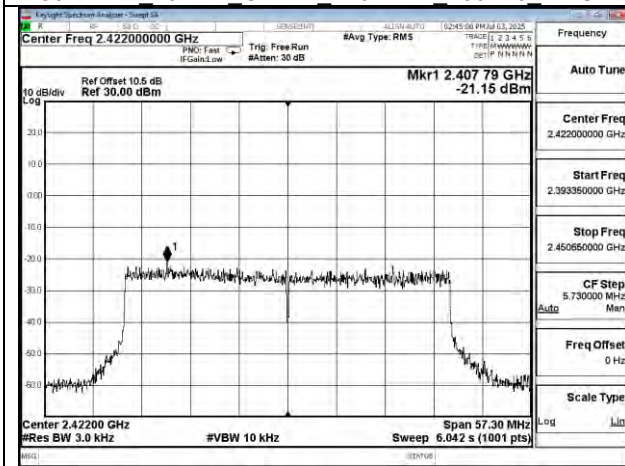
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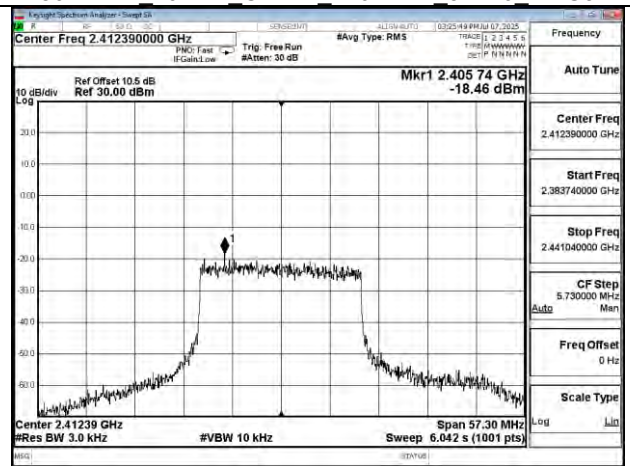
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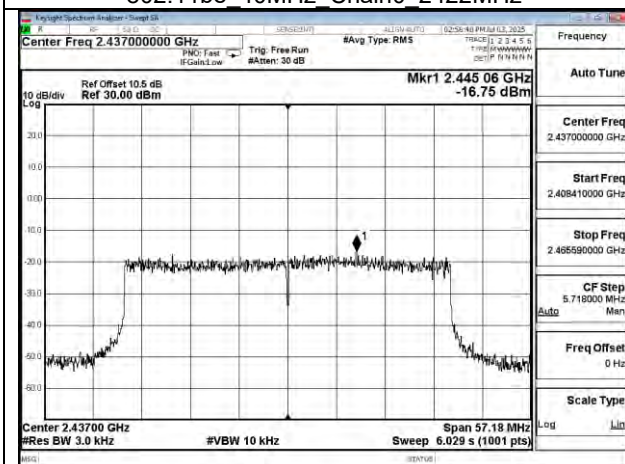
802.11be 20MHz Chain1 2462MHz 52+26 MRU3



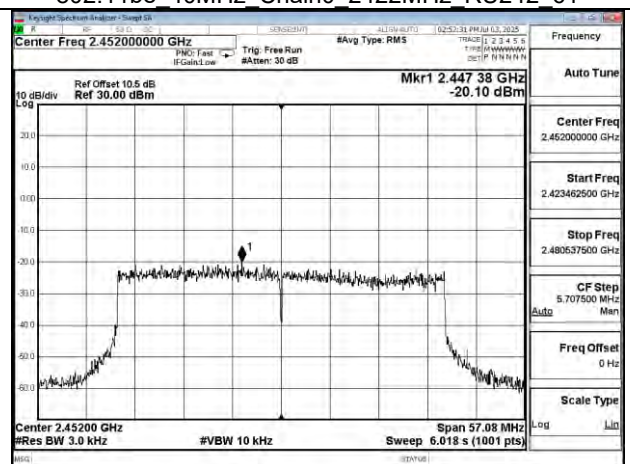
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802.11be 40MHz Chain0 2422MHz RU242 61



802.11be 40MHz Chain0 2437MHz

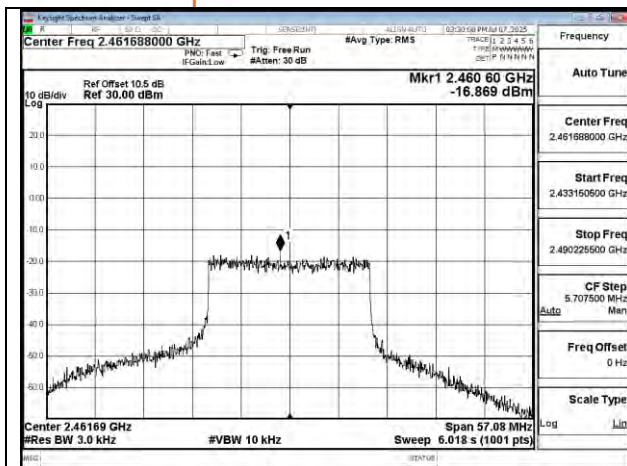


802.11be 40MHz Chain0 2452MHz

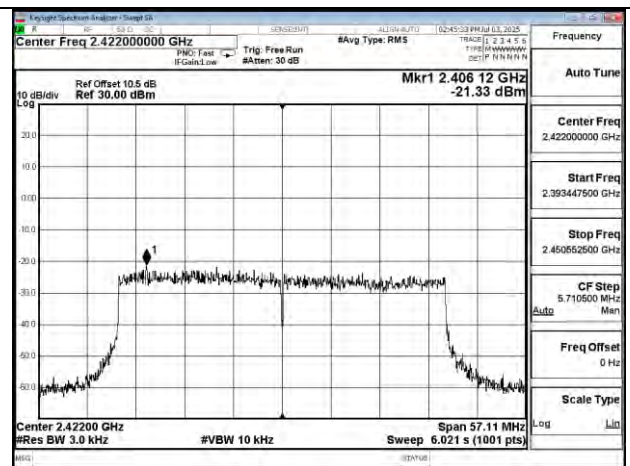
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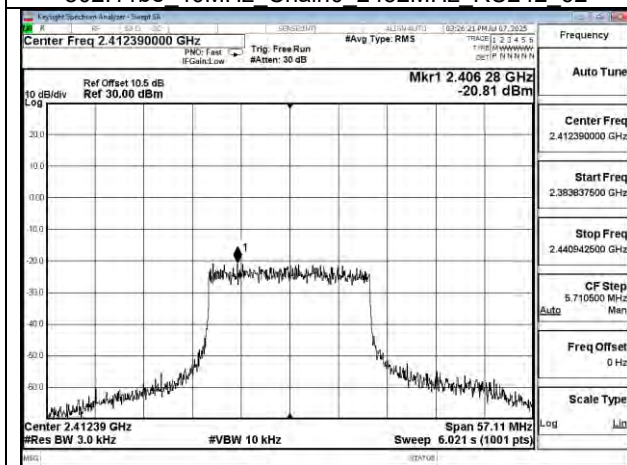
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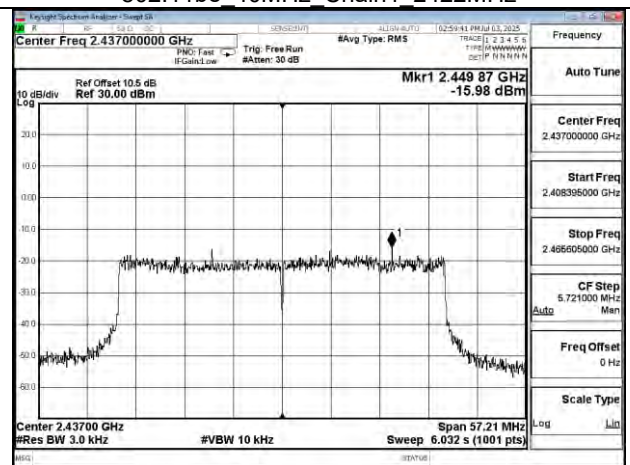
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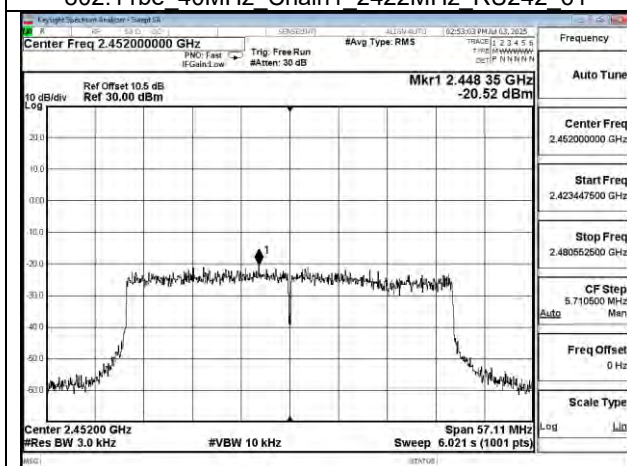
802.11be 40MHz Chain1 2422MHz



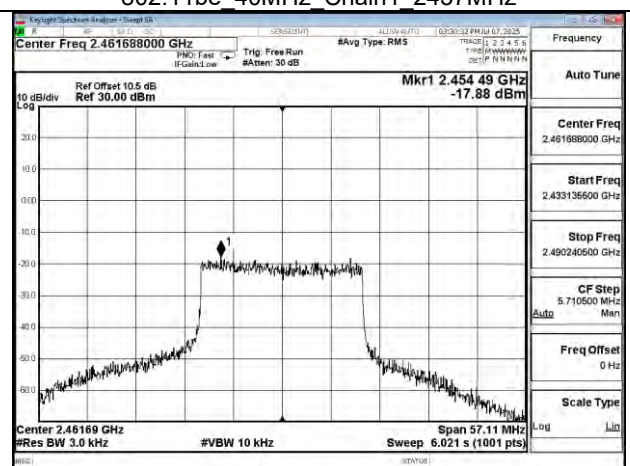
802.11be 40MHz Chain1 2422MHz RU242 61



802.11be 40MHz Chain1 2437MHz



802.11be 40MHz Chain1 2452MHz



802.11be 40MHz Chain1 2452MHz RU242 62

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7.5 Out of Band Emission

7.5.1 Reference Level

802.11b Ch0

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	10.79	-9.21
2437	11.69	-8.31
2462	10.79	-9.21

802.11b Ch1

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	10.18	-9.82
2437	11.34	-8.66
2462	10.36	-9.64

802.11g Ch0

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	0.34	-19.66
2437	9.61	-10.39
2462	1.44	-18.56

802.11g Ch1

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	-0.11	-20.11
2437	9.23	-10.77
2462	1.63	-18.37

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802.11n HT 20M Ch0

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	-0.03	-20.03
2437	9.50	-10.50
2462	-0.71	-20.71

802.11n HT 20M Ch1

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	-0.75	-20.75
2437	9.23	-10.77
2462	-0.45	-20.45

802.11be EHT 20M Ch0

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	0.92	-19.08
2437	8.53	-11.47
2462	3.41	-16.59

802.11be EHT 20M Ch1

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	0.38	-19.62
2437	8.21	-11.79
2462	3.55	-16.45

802.11be EHT 40M Ch0

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2422	-5.72	-25.72
2437	-1.23	-21.23
2452	-4.4	-24.40

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802.11be_EHT_40M Ch1		
Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2422	-6.08	-26.08
2437	-1.13	-21.13
2452	-4.85	-24.85

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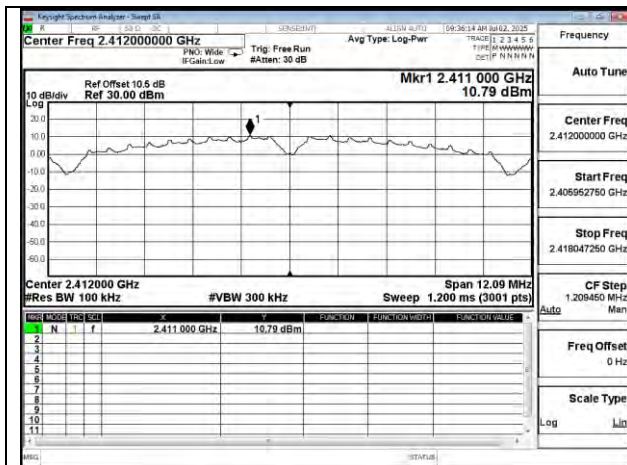
台灣檢驗科技股份有限公司

t (886-2) 2299-3279

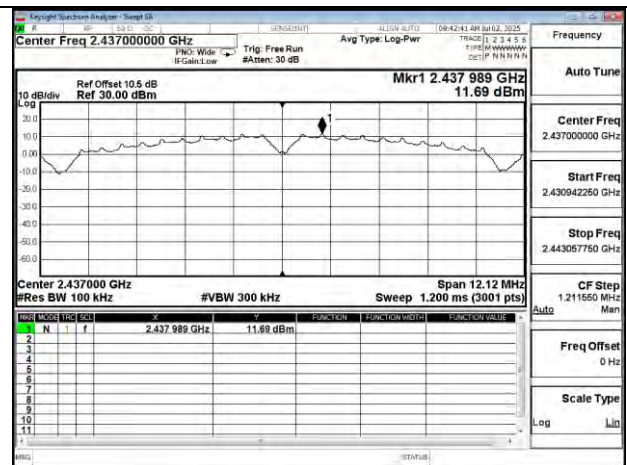
f (886-2) 2298-0488

www.sgs.com.tw

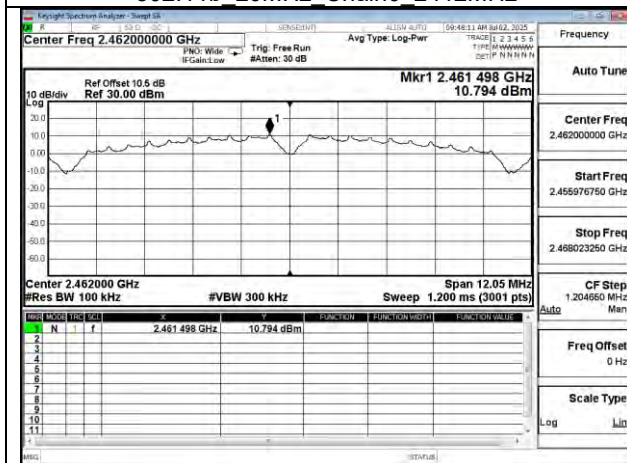
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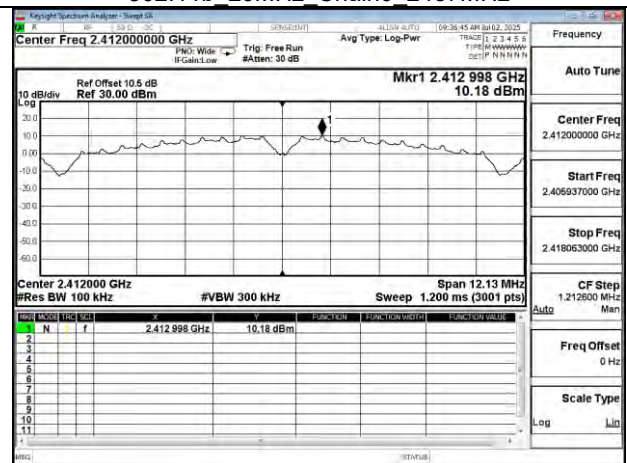
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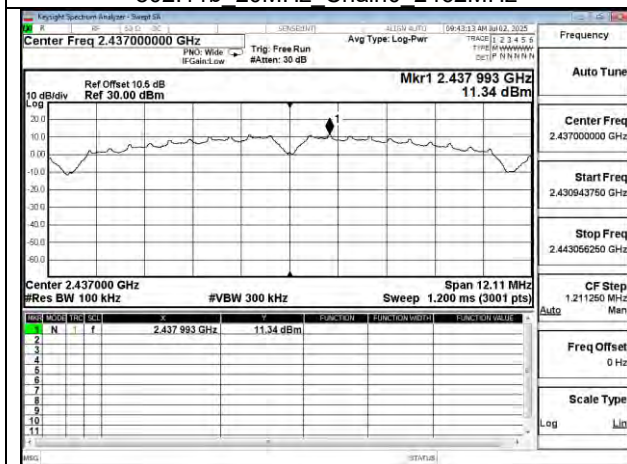
802.11b 20MHz Chain0 2437MHz



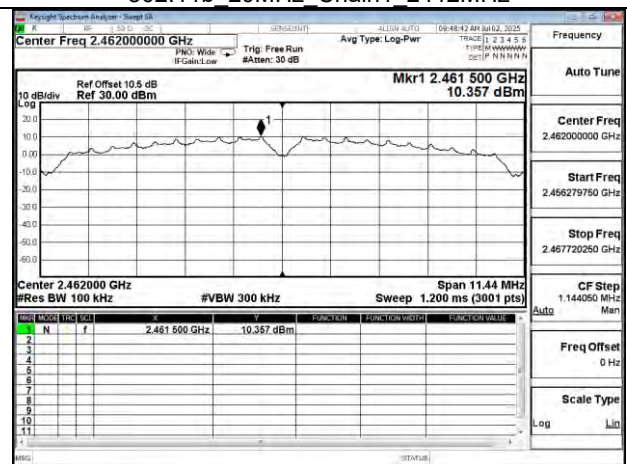
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802.11b 20MHz Chain1 2412MHz



802.11b 20MHz Chain1 2437MHz

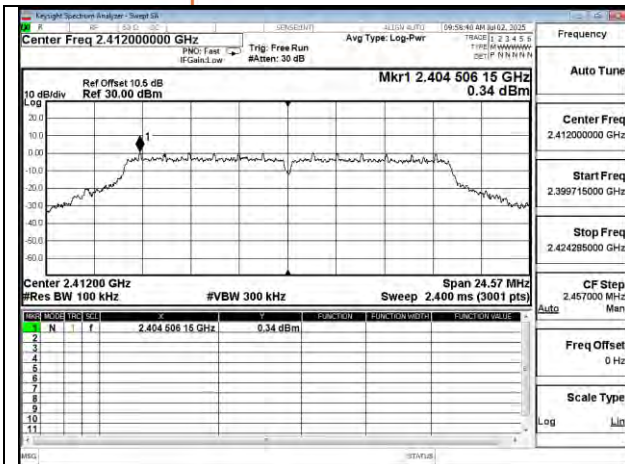


802.11b 20MHz Chain1 2462MHz

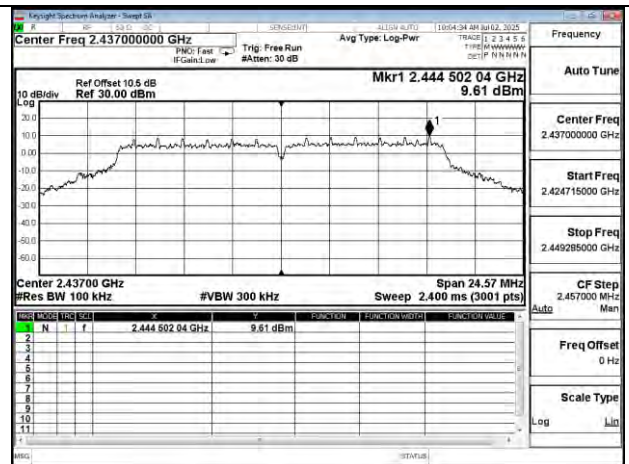
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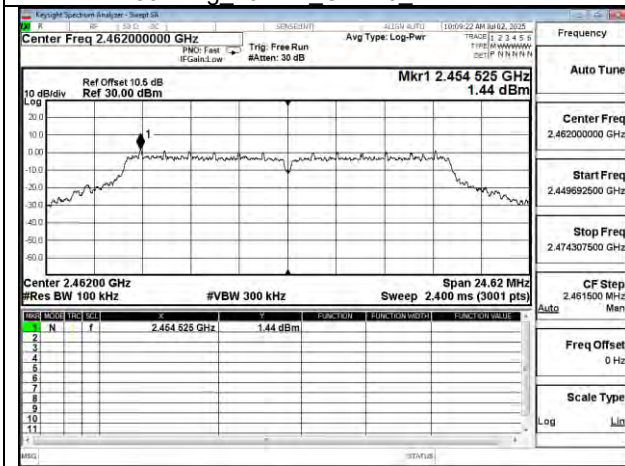
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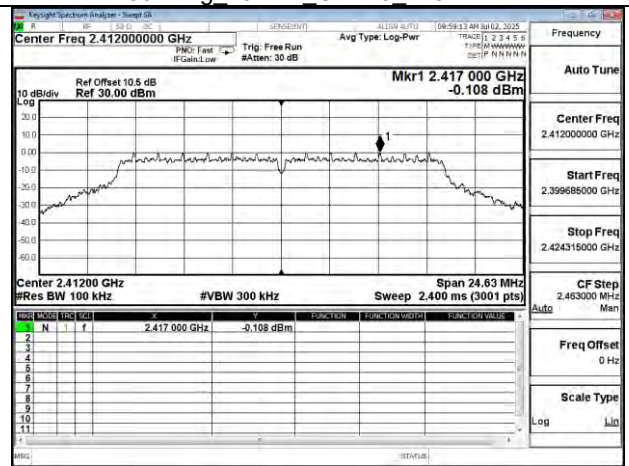
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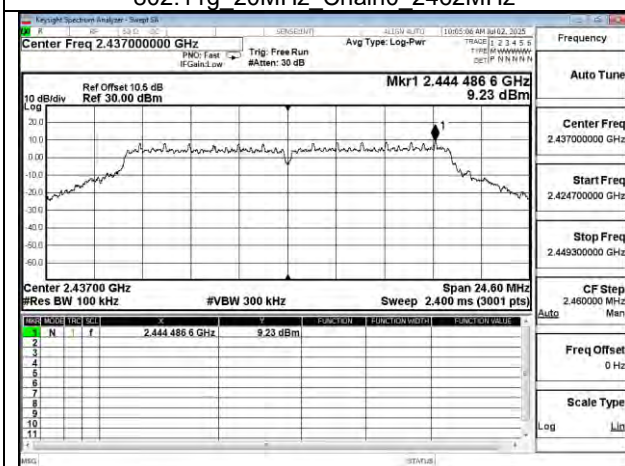
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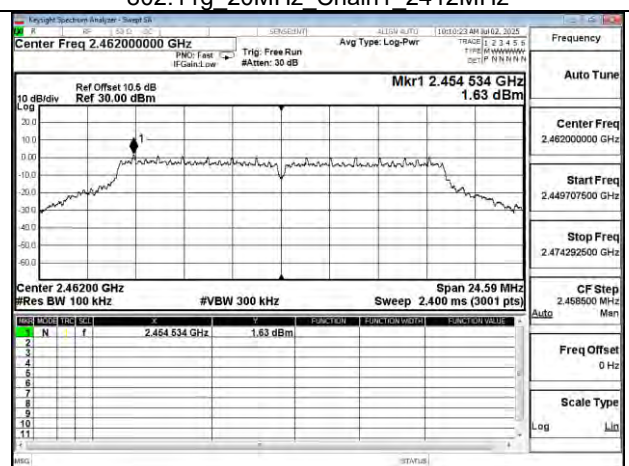
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802.11g 20MHz Chain1 2412MHz



802.11g 20MHz Chain1 2437MHz

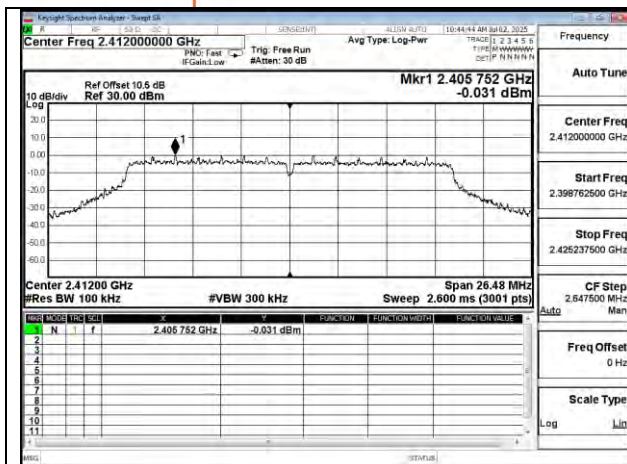


802.11g 20MHz Chain1 2462MHz

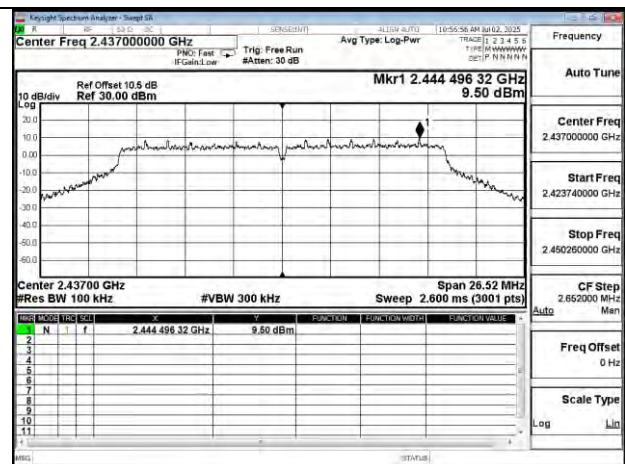
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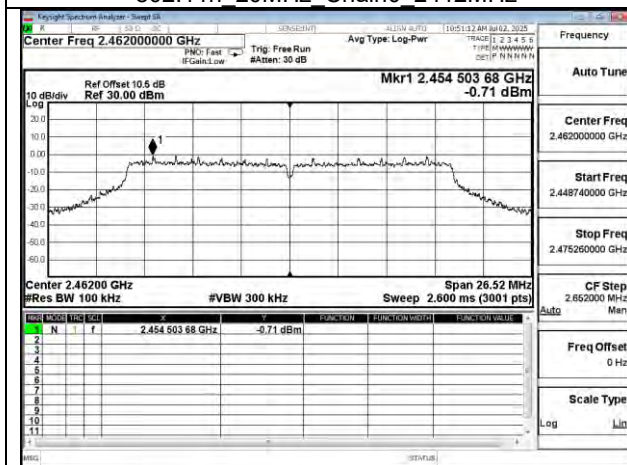
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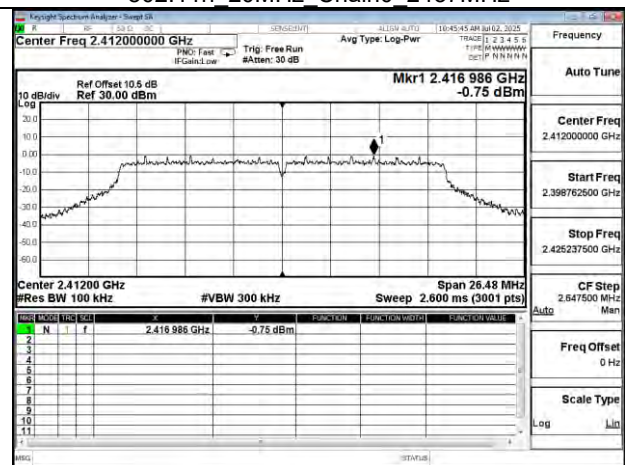
802.11n 20MHz Chain0 2412MHz



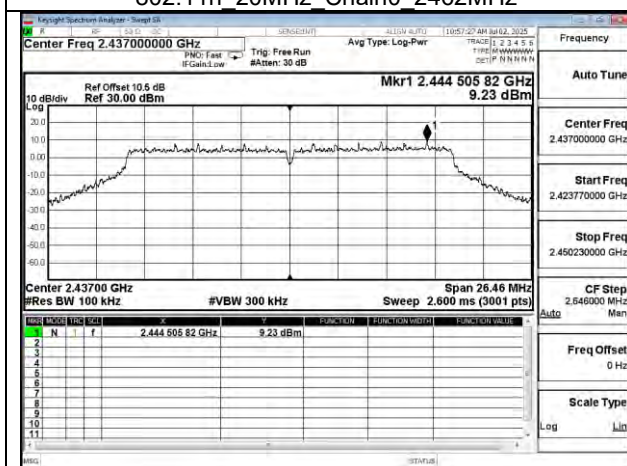
802.11n 20MHz Chain0 2437MHz



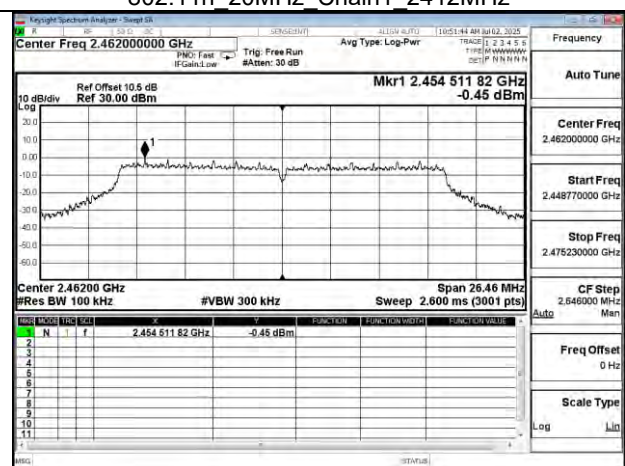
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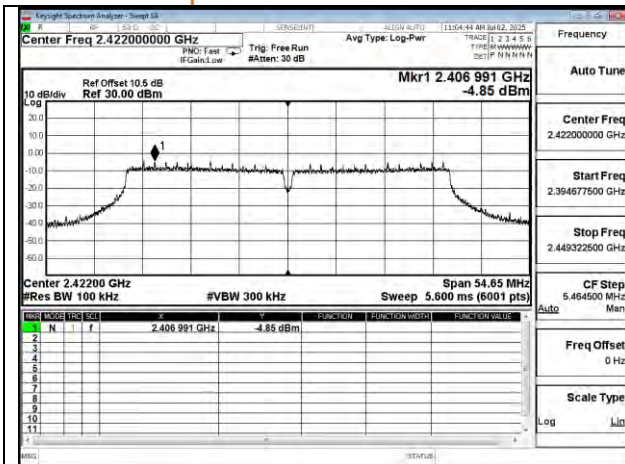


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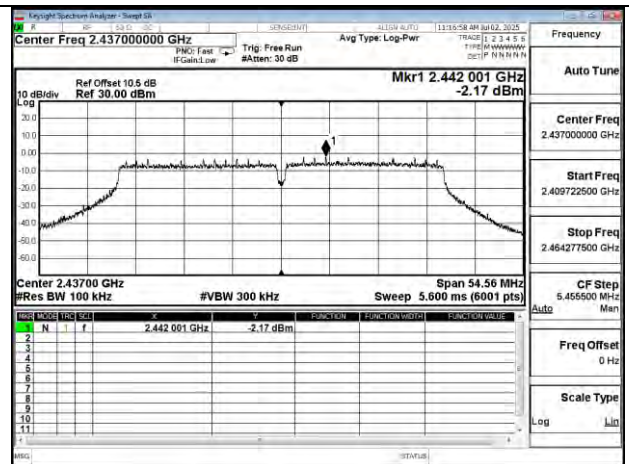
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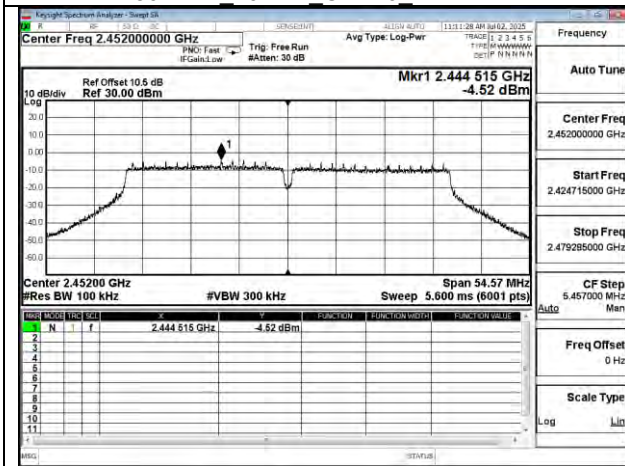
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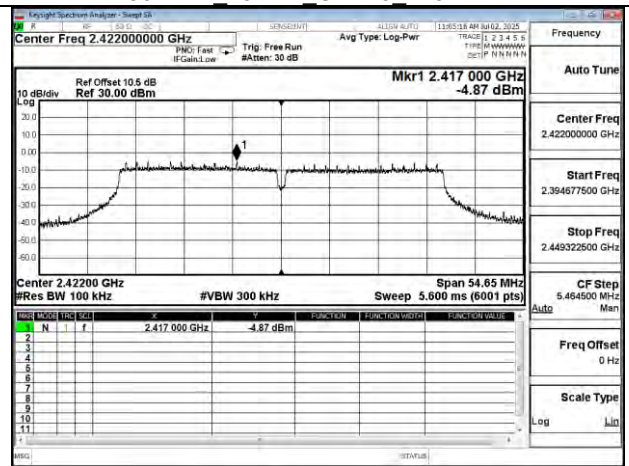
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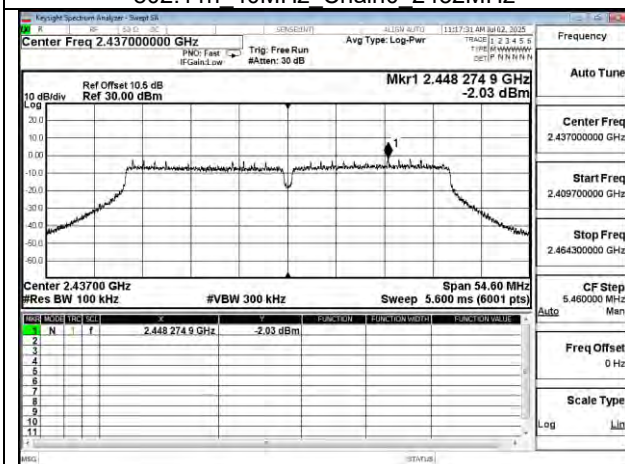
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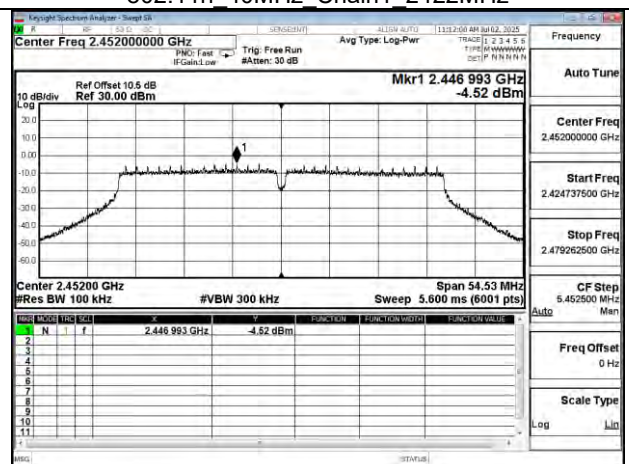
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802.11n 40MHz Chain1 2422MHz



802.11n 40MHz Chain1 2437MHz

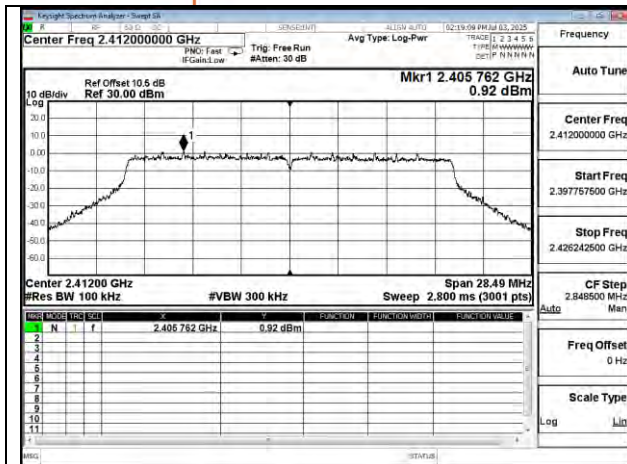


802.11n 40MHz Chain1 2452MHz

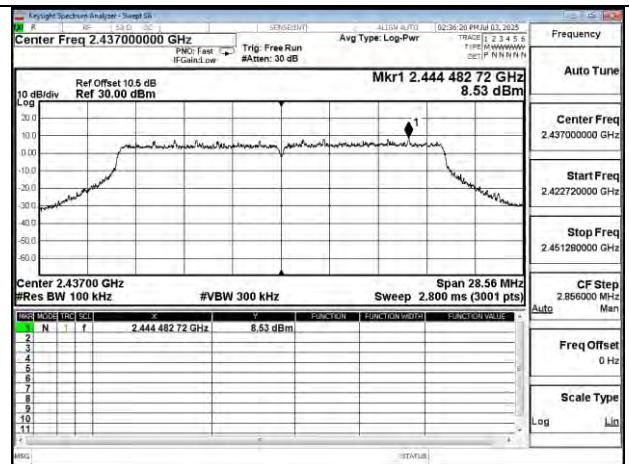
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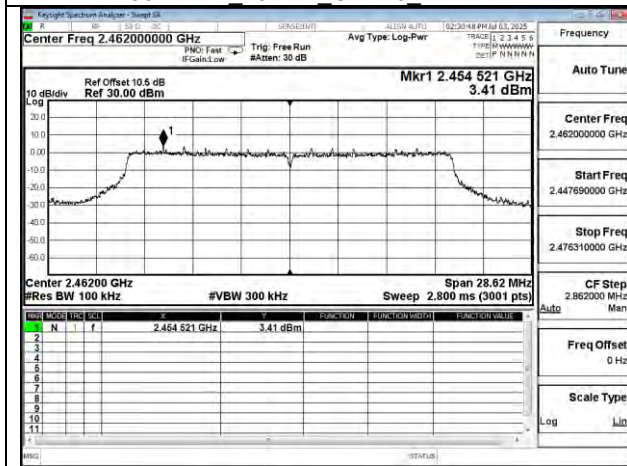
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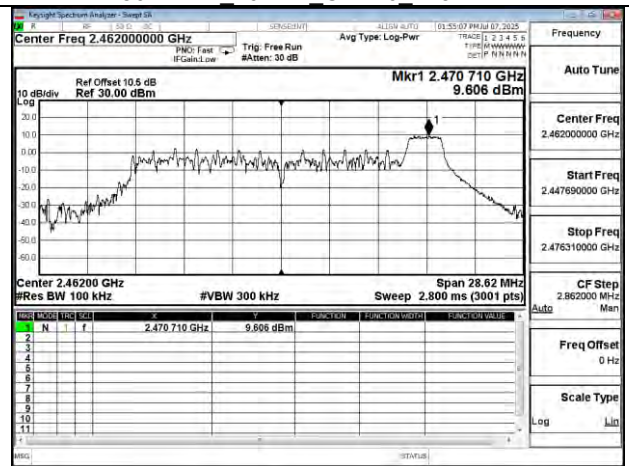
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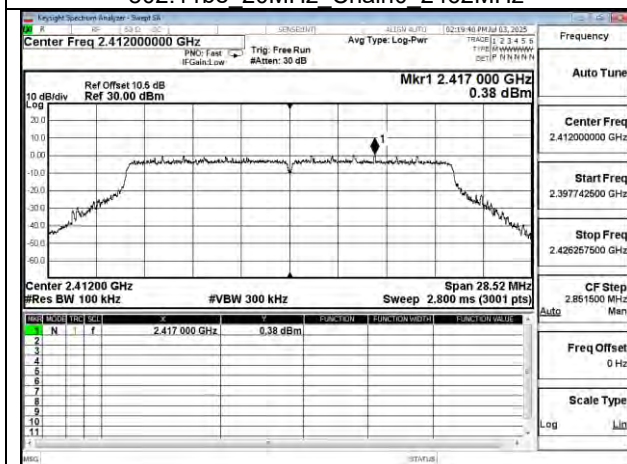
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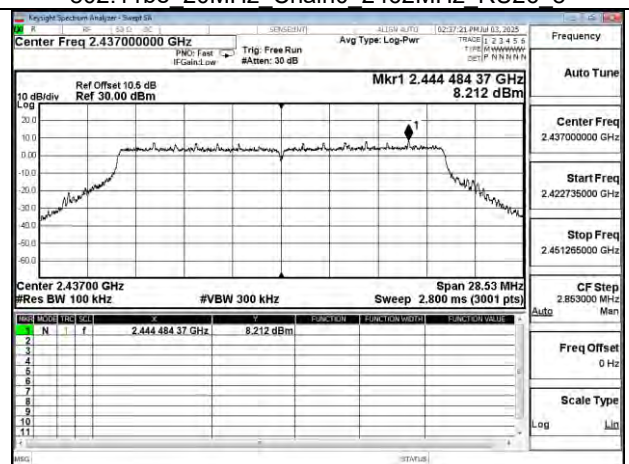
802.11be 20MHz Chain0 2462MHz



802.11be 20MHz Chain0 2462MHz RU26 8



802.11be 20MHz Chain1 2412MHz

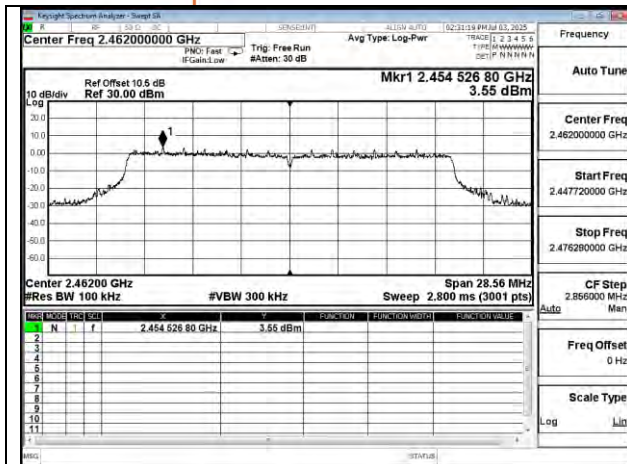


802.11be 20MHz Chain1 2437MHz

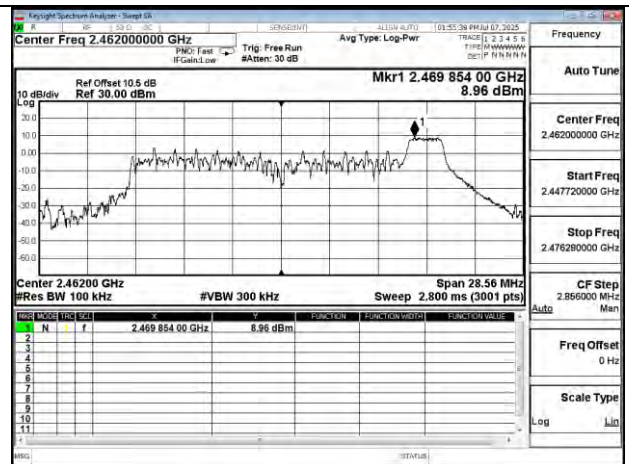
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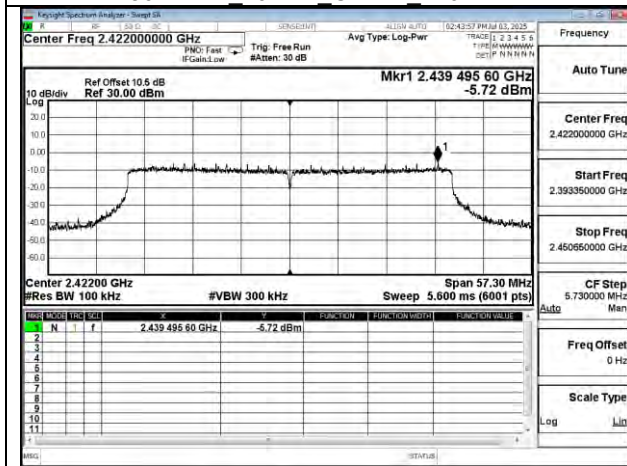
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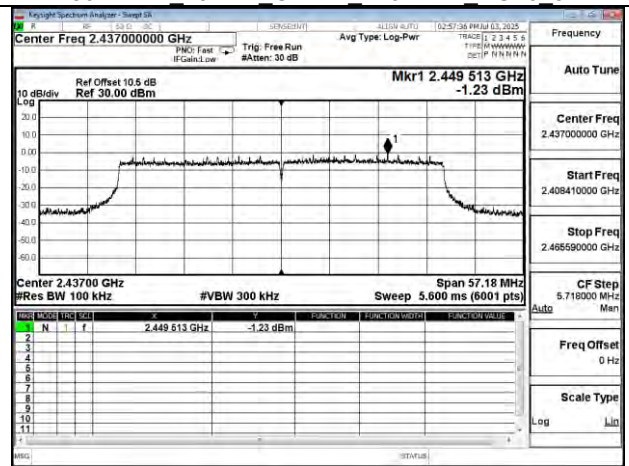
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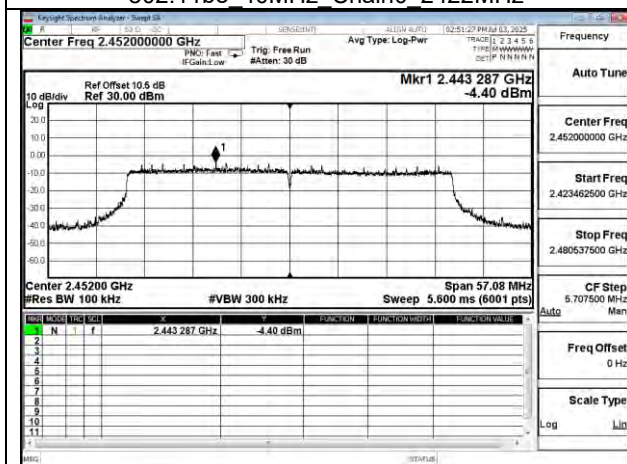
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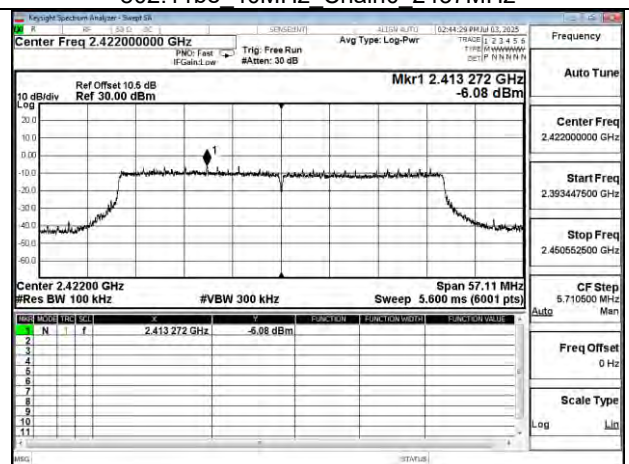
802.11be 40MHz Chain0 2422MHz



802.11be 40MHz Chain0 2437MHz



802.11be 40MHz Chain0 2452MHz

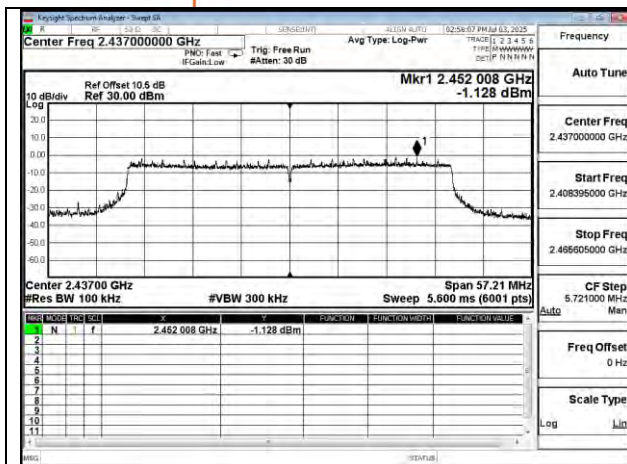


802.11be 40MHz Chain1 2422MHz

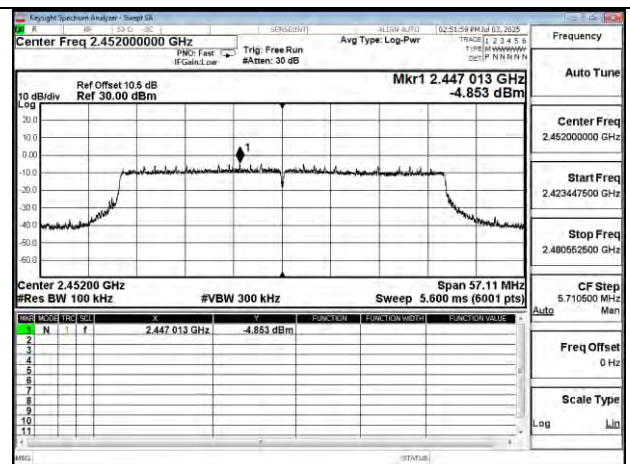
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802.11be_40MHz_Chain1_2437MHz

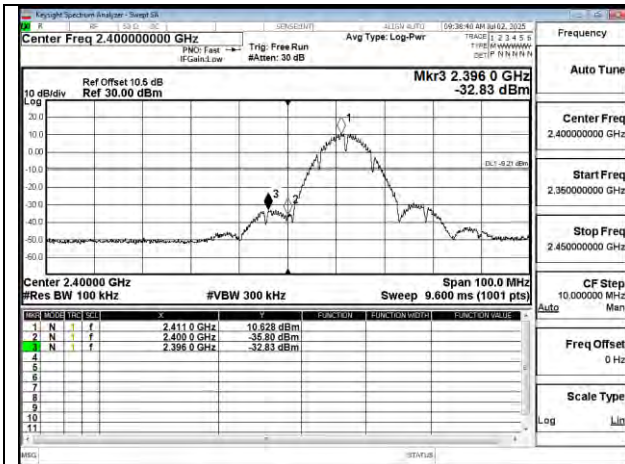


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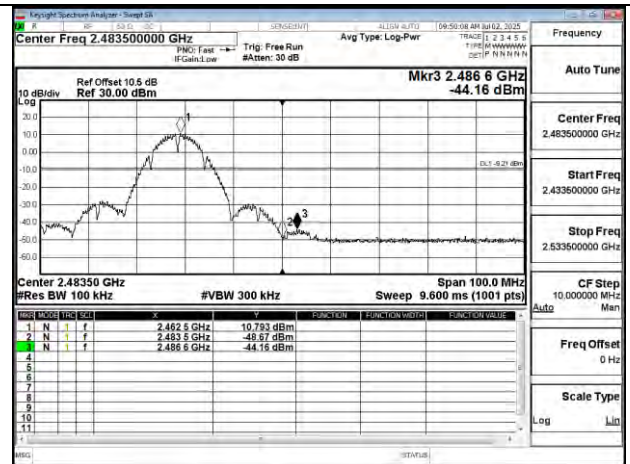
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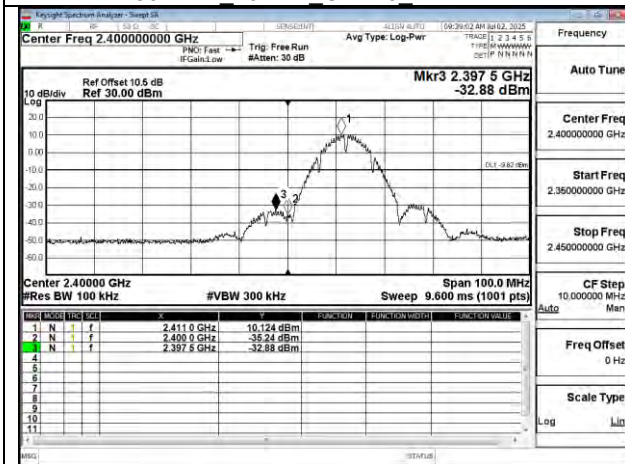
7.5.2 Conducted Band Edge



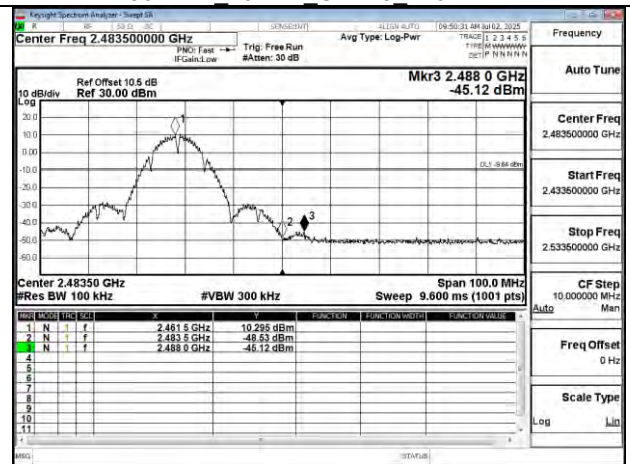
802.11b 20MHz Chain0 2412MHz



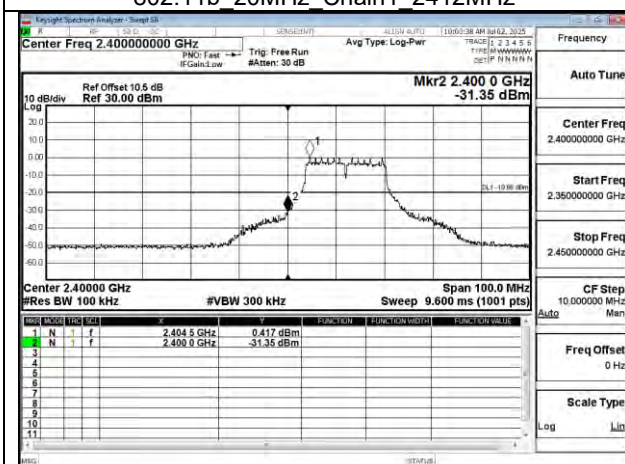
802.11b 20MHz Chain0 2462MHz



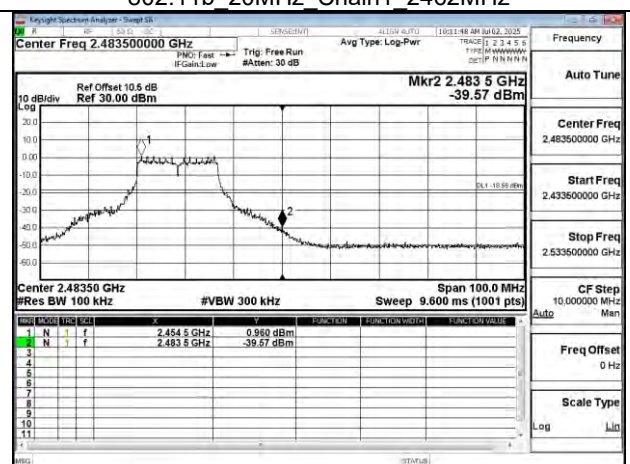
802.11b 20MHz Chain1 2412MHz



802.11b 20MHz Chain1 2462MHz



802.11g 20MHz Chain0 2412MHz



802.11g 20MHz Chain0 2462MHz

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