

# FCC and ISED Test Report

Apple Inc  
Model: A2992

In accordance with FCC 47 CFR Part 15E, ISED  
RSS-248 and ISED RSS-GEN  
(6 GHz WLAN)

Prepared for: Apple Inc  
One Apple Park Way  
Cupertino  
California  
95014,  
USA



Add value.  
Inspire trust.

FCC ID: BCGA2992

IC: 579C-A2992

## COMMERCIAL-IN-CONFIDENCE

Document 75957632-49 Issue 01

### SIGNATURE

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Phil Harrison	Chief Engineer	Authorised Signatory	11 October 2023

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD document control rules.

### ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Part 15E, ISED RSS-248 and ISED RSS-GEN. The sample tested was found to comply with the requirements defined in the applied rules.

RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Report Generation	Lauren Walters	11 October 2023	

FCC Accreditation

553713/UK2026 Concorde Park, Fareham Test Laboratory

ISED Accreditation

28798 Concorde Park, Fareham Test Laboratory

### EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15E: 2021, ISED RSS-248: Issue 2 (2022-12) and ISED RSS-GEN: Issue 5 (2018-04) +A2 (2021-02) for the tests detailed in section 1.3.



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# 1 Report Summary

## 1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	First Issue	11-October-2023

**Table 1**

## 1.2 Introduction

Applicant	Apple Inc
Manufacturer	Apple Inc
Model Number(s)	A2992
Serial Number(s)	C69CLQX700, JNWG0WYT4M, JYH72K1GF6 and YK6L37Y361
Hardware Version(s)	REV 1.0
Software Version(s)	23A32391n, 23A32391n, 23A32391n and 23A300
Number of Samples Tested	4
Test Specification/Issue/Date	FCC 47 CFR Part 15E: 2021 ISED RSS-248: Issue 2 (2022-12) ISED RSS-GEN: Issue 5 (2018-04) +A2 (2021-02)
Start of Test	15-July-2023
Finish of Test	06-September-2023
Name of Engineer(s)	David Hill, Feda Hussein, Jayvir Makwana, Mahmud Chowdhury, Mustafa Murad, Ioan-Alexandru Bogatu, Michael Evans, Morsalin Hossain, Vineeth Nagaraj, Ahmed Al Dirdiri, Manohar Thota, Nicolae Mihailiuc, Tony Baby and Stefan Gilfedder
Related Document(s)	ANSI C63.10 (2013) ANSI C63.10 (2020) KDB 662911 D01 v02r01 KDB 789033 D02 v02r01 KDB 987594 D02 v02r01



### 1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15E, ISED RSS-248 and ISED RSS-GEN is shown below.

Section	Specification Clause			Test Description	Result	Comments/Base Standard
	Part 15E	RSS-248	RSS-GEN			
Configuration and Mode: 6 GHz WLAN						
-	15.203	-	-	Antenna Requirement	N/T	The device complies with the provisions of this section, as it uses permanently attached integral antennas.
2.1	15.407 (a)	4.4	6.7	Emission Bandwidth	Pass	KDB 789033 D02 v02r01
2.2	15.407 (a)	4.5	6.12	Maximum Conducted Output Power	Pass	KDB 662911 D01 v02r01 KDB 789033 D02 v02r01
2.3	15.407 (a)	4.5	-	Maximum Conducted Power Spectral Density	Pass	KDB 662911 D01 v02r01 KDB 789033 D02 v02r01
2.4	15.407 (b)	4.6	6.13	Authorised Band Edges	Pass	ANSI C63.10 (2013) ANSI C63.10 (2020) KDB 789033 D02 v02r01
2.5	15.209 and 15.407 (b)	4.6	6.13 and 8.9	Spurious Radiated Emissions	Pass	ANSI C63.10 (2013) ANSI C63.10 (2020) KDB 789033 D02 v02r01
2.6	15.407 (b)	4.6	6.13	Unwanted Emissions within the 5925-7125 MHz band	Pass	KDB 987594 D02 v02r01
2.7	15.407 (d)(6)	4.7	-	Contention Based Protocol	Pass	KDB 987594 D02 v02r01

**Table 2**



## 1.4 Product Information

### 1.4.1 Technical Description

The equipment under test (EUT) was a portable laptop computer.

### 1.4.2 Test Modes

The EUT's 6 GHz 802.11 radio supported SISO (Single Input/Single Output) and 2x2 MIMO (Multiple Input/Multiple Output) modes. 802.11a supports 20 MHz bandwidth only. 802.11ax supported 20 MHz, 40 MHz, 80 MHz and 160 MHz bandwidths.

802.11a mode supported SISO operation only. 802.11ax supported SISO, Cyclic Delay Diversity (CDD) and Space Division Multiplexing (SDM) modes. It also supported Transmit Beamforming (TxBF) mode on 20 MHz, 40 MHz and 80 MHz bandwidths. The EUT supported 802.11ax Single User (SU) and Multi-User (MU) with all Resource Unit (RU) sizes from 26 subcarriers, up to the maximum allowed, dependent on channel bandwidth.

The EUT is categorized a Dual Client (6CD) operating in the 5.925-7.125 GHz bands. It will operate under the control of a Low Power Indoor (LPI) access point, or a standard power access point.

The EUT uses different output powers per core dependent on how many cores are used. The EUT also uses different power tables for Cyclic Delay Diversity (CDD), Space Division Multiplexing (SDM) and Transmit Beamforming (TxBF) modes. It uses the same conducted power across all cores in any given mode, but due to the different antenna gains the radiated powers per core differ.

After preliminary investigations were performed to find worst-case operation, the EUT was tested in the following modes:

#### SISO Modes (Core 0):

- 802.11a – 12 Mbps
- 802.11ax HE20 SU – MCS2x1
- 802.11ax HE40 SU – MCS2x1
- 802.11ax HE80 SU – MCS2x1
- 802.11ax HE160 SU – MCS2x1
- 802.11ax HE20 MU RU26/52/106 – MCS2x1

#### 2x2 MIMO Modes (Core 0+1 for U-NII-5 / 6 / 7 / 8):

- 802.11ax HE20 SU – CDD (MCS2x1), SDM (MCS2x2) and TxBF (MCS2x1)
- 802.11ax HE40 SU – CDD (MCS2x1), SDM (MCS2x2) and TxBF (MCS2x1)
- 802.11ax HE80 SU – CDD (MCS2x1), SDM (MCS2x2) and TxBF (MCS2x1)
- 802.11ax HE160 SU – CDD (MCS2x1) and SDM (MCS2x2)
- 802.11ax HE20 MU RU26/52/106 – CDD (MCS2x1) and SDM (MCS2x2)

\*Note: The RU offset for bottom and middle channels were placed in the lowest position and on the top channel, the offset was placed in the upper most position.



**1.4.3 Test Setup**

For conducted tests the EUT antennas were disconnected and replaced with U.FL to SMA test cables to enable conducted testing on each core. The loss of these test cables were known and compensated for in any conducted measurements.

For all testing except Contention Based Protocol the EUT was put into a continuous transmit test mode with the chipset manufacturer’s test commands. The EUT then transmitted the required type of packeted 802.11 data frames of fixed length, containing the standard headers and with pseudo-random data content, ensuring the measured signals were representative and contained all the symbols at the highest power control level.

The test setup used for Contention Based Protocol is described in the test result section of the present document.

**1.4.4 Antenna Gain Table**

Antenna Port	Frequency Range (MHz)	Peak Gain (dBi)	Conducted Cable Loss (dB)
Core 0	5925-6105	5.60	1.15
	6105-6265	4.30	1.17
	6265-6425	5.20	1.21
	6425-6525	5.00	1.27
	6525-6875	5.20	1.25
	6875-7125	4.40	1.26
Core 1	5925-6105	4.50	1.15
	6105-6265	3.30	1.17
	6265-6425	2.40	1.21
	6425-6525	2.60	1.27
	6525-6875	3.70	1.25
	6875-7125	1.50	1.26

**Table 3**

**1.5 Deviations from the Standard**

No deviations from the applicable test standard were made during testing.



**1.6 EUT Modification Record**

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

Modification State	Description of Modification still fitted to EUT	Modification Fitted By	Date Modification Fitted
Model: A2992, Serial Number: C69CLQX700			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A2992, Serial Number: JYH72K1GF6			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A2992, Serial Number: YK6L37Y361			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A2992, Serial Number: JNWX0WYT4M			
0	As supplied by the customer	Not Applicable	Not Applicable

**Table 4**

**1.7 Test Location**

TÜV SÜD conducted the following tests at our Concorde Park Test Laboratory.

Test Name	Name of Engineer(s)	Accreditation
Configuration and Mode: 6 GHz WLAN		
Emission Bandwidth	Feda Hussein, Jayvir Makwana and Mahmud Chowdhury	UKAS
Maximum Conducted Output Power	David Hill, Feda Hussein and Mustafa Murad	UKAS
Maximum Conducted Power Spectral Density	David Hill and Mustafa Murad	UKAS
Authorised Band Edges	Ioan-Alexandru Bogatu, Michael Evans, Morsalin Hossain and Vineeth Nagaraj	UKAS
Spurious Radiated Emissions	Ahmed Al Derdiri, Manohar Thota, Nicolae Mihailiuc and Tony Baby	UKAS
Unwanted Emissions within the 5925-7125 MHz band	Feda Hussein, Jayvir Makwana, Mahmud Chowdhury and Mustafa Murad	UKAS
Contention Based Protocol	Stefan Gilfedder	UKAS

**Table 5**

Office Address:

TÜV SÜD  
 Concorde Park  
 Concorde Way  
 Fareham  
 Hampshire  
 PO15 5FG  
 United Kingdom



## 2 Test Details

### 2.1 Emission Bandwidth

#### 2.1.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (a)  
ISED RSS-248, Clause 4.4  
ISED RSS-GEN, Clause 6.7

#### 2.1.2 Equipment Under Test and Modification State

A2992, S/N: JYH72K1GF6 - Modification State 0  
A2992, S/N: YK6L37Y361 - Modification State 0

#### 2.1.3 Date of Test

22-August-2023 to 27-August-2023

#### 2.1.4 Test Method

The test was performed in accordance with KDB 789033, clause C.1 for 26 dB bandwidth and clause D for 99% occupied bandwidth.

#### 2.1.5 Environmental Conditions

Ambient Temperature	22.9 - 22.5 °C
Relative Humidity	47.4 - 49.2 %





2.1.6 Test Results

6 GHz WLAN

SISO

Protocol	26 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11a LPI	21.060	21.180
802.11ax HE20 SU LPI	21.180	21.420
802.11ax HE40 SU LPI	41.880	42.120
802.11ax HE80 SU LPI	82.500	83.160
802.11ax HE160 SU LPI	166.740	168.000

Table 6 - 26 dB Bandwidth Summary Results – SISO LPI

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11a LPI	16.620	16.740
802.11ax HE20 SU LPI	18.960	19.020
802.11ax HE40 SU LPI	37.920	38.160
802.11ax HE80 SU LPI	77.000	77.220
802.11ax HE160 SU LPI	156.240	156.660

Table 7 - 99% Bandwidth Summary Results – SISO LPI

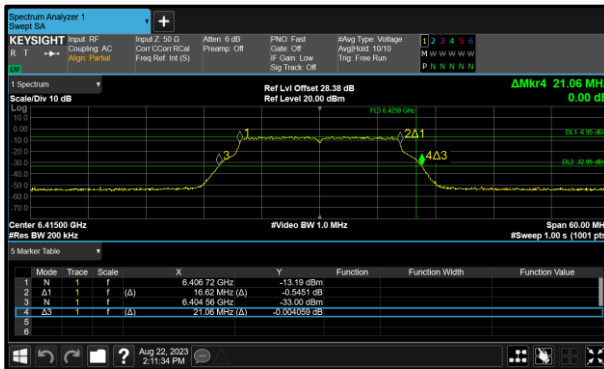


Figure 1 - 802.11a LPI Minimum 99% OBW

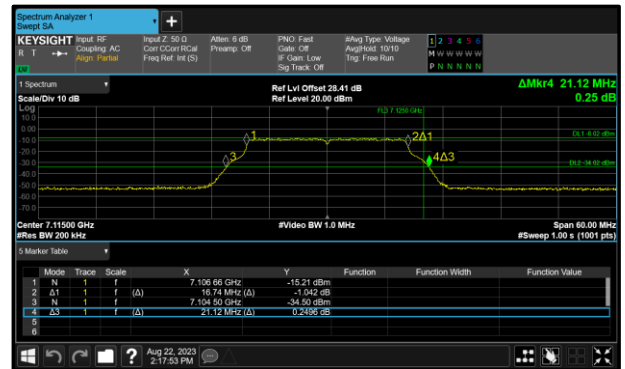


Figure 2 - 802.11a LPI Maximum 99% OBW

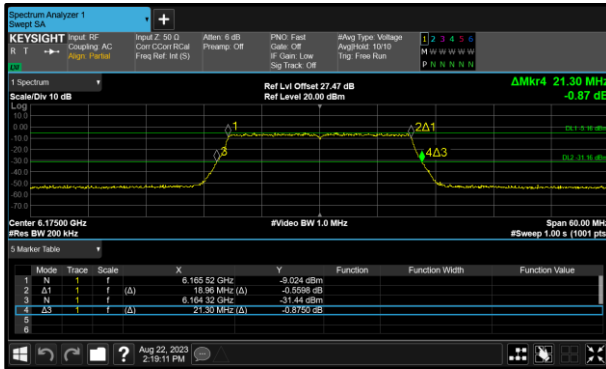


Figure 3 - 802.11ax HE20 SU LPI Minimum 99% OBW

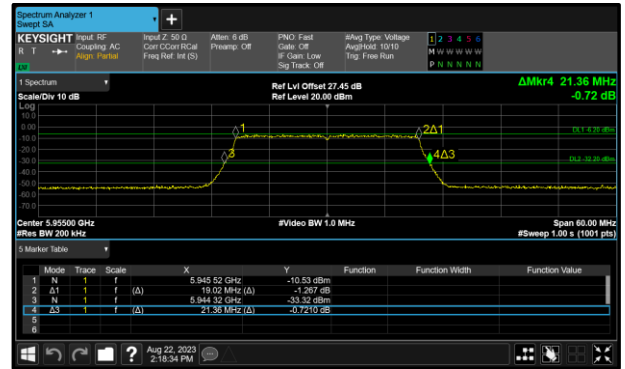


Figure 4 - 802.11ax HE20 SU LPI Maximum 99% OBW

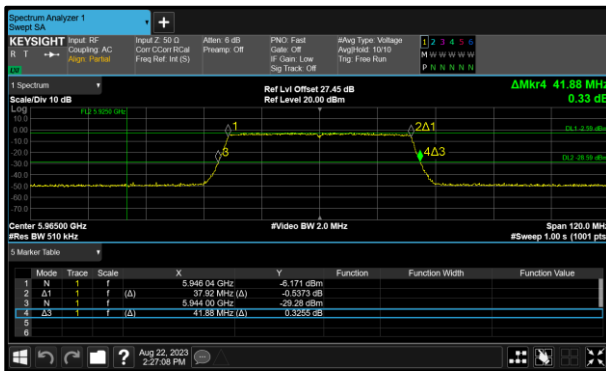


Figure 5 - 802.11ax HE40 SU LPI Minimum 99% OBW

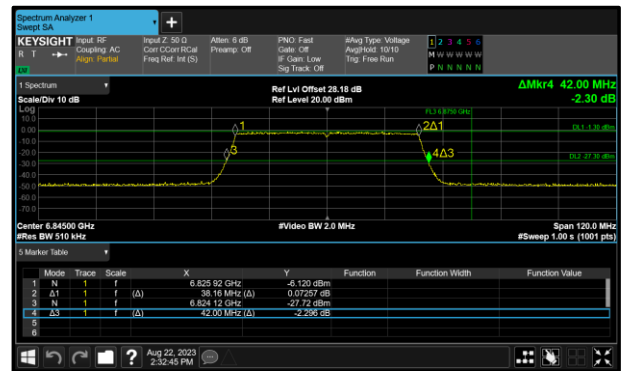


Figure 6 - 802.11ax HE40 SU LPI Maximum 99% OBW

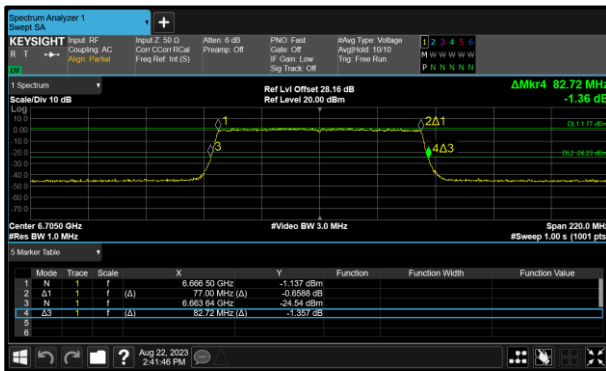


Figure 7 - 802.11ax HE80 SU LPI Minimum 99% OBW

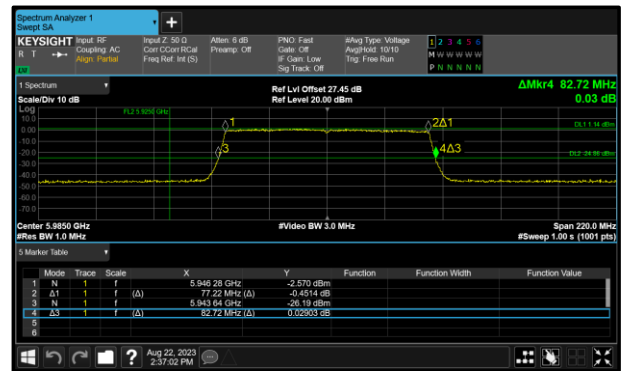


Figure 8 - 802.11ax HE80 SU LPI Maximum 99% OBW

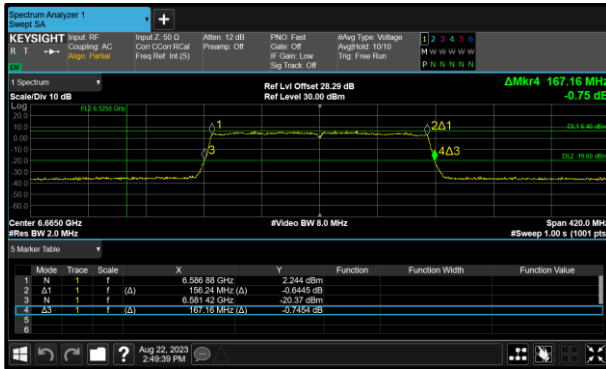


Figure 9 - 802.11ax HE160 SU LPI Minimum 99% OBW

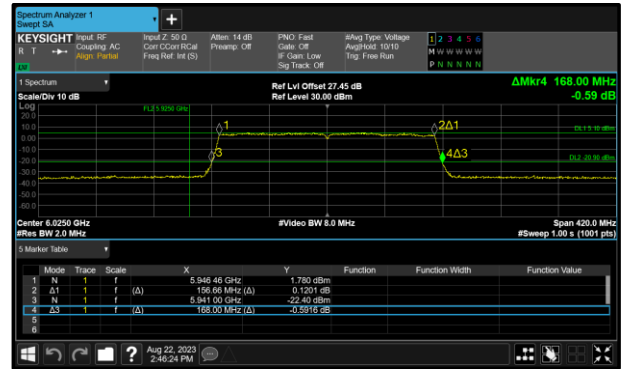


Figure 10 - 802.11ax HE160 SU LPI Maximum 99% OBW



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11a LPI	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	21.060	-	-	-	-
6175	21.120	-	-	-	-
6415	21.060	-	-	-	-

**Table 8 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	16.680	-	-	-	-
6175	16.680	-	-	-	-
6415	16.620	-	-	-	-

**Table 9 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	21.360	-	-	-	-
6175	21.300	-	-	-	-
6415	21.180	-	-	-	-

**Table 10 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	19.020	-	-	-	-
6175	18.960	-	-	-	-
6415	18.960	-	-	-	-

**Table 11 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	41.880	-	-	-	-
6165	42.120	-	-	-	-
6405	42.000	-	-	-	-

**Table 12 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	37.920	-	-	-	-
6165	37.920	-	-	-	-
6405	37.920	-	-	-	-

**Table 13 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	82.720	-	-	-	-
6145	82.720	-	-	-	-
6385	82.500	-	-	-	-

**Table 14 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	77.220	-	-	-	-
6145	77.220	-	-	-	-
6385	77.220	-	-	-	-

**Table 15 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	168.000	-	-	-	-
6185	167.580	-	-	-	-
6345	166.740	-	-	-	-

**Table 16 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	156.660	-	-	-	-
6185	156.660	-	-	-	-
6345	156.660	-	-	-	-

**Table 17 - 99% Bandwidth Results**





Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11a LPI	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6435	21.180	-	-	-	-
6475	21.120	-	-	-	-
6515	21.060	-	-	-	-

**Table 18 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6435	16.680	-	-	-	-
6475	16.680	-	-	-	-
6515	16.680	-	-	-	-

**Table 19 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6435	21.360	-	-	-	-
6475	21.360	-	-	-	-
6515	21.300	-	-	-	-

**Table 20 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6435	19.020	-	-	-	-
6475	18.960	-	-	-	-
6515	19.020	-	-	-	-

**Table 21 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6445	41.880	-	-	-	-
6485	42.000	-	-	-	-
6525	21.000	-	-	-	-

**Table 22 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6445	37.920	-	-	-	-
6485	38.040	-	-	-	-
6525	18.960	-	-	-	-

**Table 23 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6465	82.720	-	-	-	-
6545	21.360	-	-	-	-

**Table 24 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6465	77.220	-	-	-	-
6545	19.160	-	-	-	-

**Table 25 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	99.800	-	-	-	-

**Table 26 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	98.120	-	-	-	-

**Table 27 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11a LPI	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	21.060	-	-	-	-
6695	21.180	-	-	-	-
6855	21.060	-	-	-	-
6875	10.500	-	-	-	-

**Table 28 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	16.620	-	-	-	-
6695	16.620	-	-	-	-
6855	16.680	-	-	-	-
6875	8.340	-	-	-	-

**Table 29 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	21.420	-	-	-	-
6695	21.360	-	-	-	-
6855	21.180	-	-	-	-
6875	10.680	-	-	-	-

**Table 30 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	19.020	-	-	-	-
6695	19.020	-	-	-	-
6855	19.020	-	-	-	-
6875	9.540	-	-	-	-

**Table 31 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6525	20.880	-	-	-	-
6565	41.880	-	-	-	-
6685	41.880	-	-	-	-
6845	42.000	-	-	-	-
6885	11.120	-	-	-	-

**Table 32 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6525	18.960	-	-	-	-
6565	37.920	-	-	-	-
6685	37.920	-	-	-	-
6845	38.160	-	-	-	-
6885	9.320	-	-	-	-

**Table 33 - 99% Bandwidth Results**





Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6545	61.140	-	-	-	-
6625	82.940	-	-	-	-
6705	82.720	-	-	-	-
6785	82.500	-	-	-	-
6865	51.580	-	-	-	-

**Table 34 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6545	58.280	-	-	-	-
6625	77.220	-	-	-	-
6705	77.000	-	-	-	-
6785	77.000	-	-	-	-
6865	48.500	-	-	-	-

**Table 35 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	63.160	-	-	-	-
6665	167.160	-	-	-	-
6825	134.000	-	-	-	-

**Table 36 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	58.540	-	-	-	-
6665	156.240	-	-	-	-
6825	127.700	-	-	-	-

**Table 37 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11a LPI	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6875	10.620	-	-	-	-
6895	21.120	-	-	-	-
6995	21.060	-	-	-	-
7115	21.120	-	-	-	-

**Table 38 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6875	8.400	-	-	-	-
6895	16.680	-	-	-	-
6995	16.680	-	-	-	-
7115	16.740	-	-	-	-

**Table 39 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6875	10.680	-	-	-	-
6895	21.360	-	-	-	-
6995	21.240	-	-	-	-
7095	21.240	-	-	-	-

**Table 40 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6875	9.480	-	-	-	-
6895	19.020	-	-	-	-
6995	19.020	-	-	-	-
7095	18.960	-	-	-	-

**Table 41 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6885	30.880	-	-	-	-
6925	41.880	-	-	-	-
7005	41.880	-	-	-	-
7085	41.880	-	-	-	-

**Table 42 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6885	28.840	-	-	-	-
6925	37.920	-	-	-	-
7005	37.920	-	-	-	-
7085	37.920	-	-	-	-

**Table 43 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6865	31.360	-	-	-	-
6945	82.720	-	-	-	-
7025	83.160	-	-	-	-

**Table 44 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6865	28.720	-	-	-	-
6945	77.220	-	-	-	-
7025	77.220	-	-	-	-

**Table 45 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6825	33.580	-	-	-	-
6985	166.740	-	-	-	-

**Table 46 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6825	29.380	-	-	-	-
6985	156.660	-	-	-	-

**Table 47 - 99% Bandwidth Results**



Protocol	26 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11a	21.000	21.180
802.11ax HE20 SU	21.300	21.480
802.11ax HE40 SU	42.000	42.480
802.11ax HE80 SU	82.500	83.160
802.11ax HE160 SU	166.740	168.000

Table 48 - 26dB Bandwidth Summary Results - SISO SP

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11a	16.620	16.740
802.11ax HE20 SU	19.020	19.080
802.11ax HE40 SU	37.920	38.160
802.11ax HE80 SU	77.220	77.440
802.11ax HE160 SU	156.660	156.660

Table 49 - 99% Bandwidth Summary Results - SISO SP

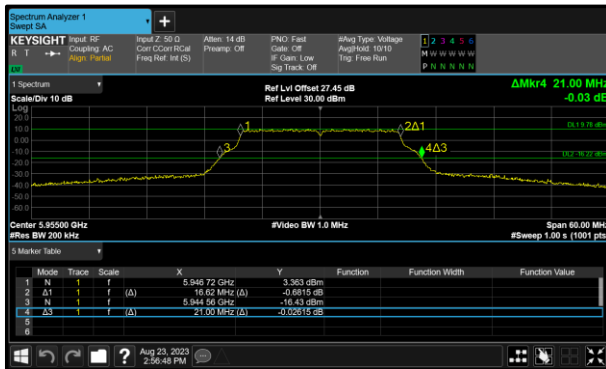


Figure 11 - 802.11a SP Minimum 99% OBW

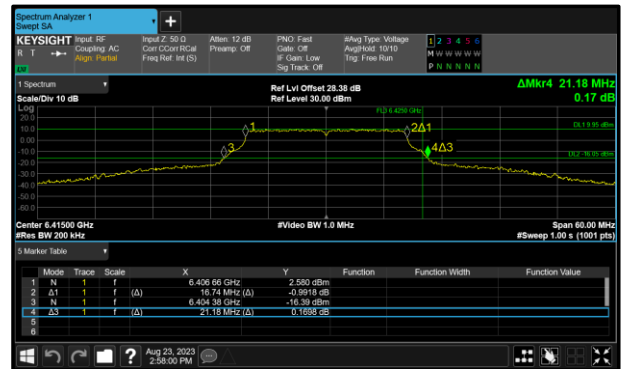


Figure 12 - 802.11a SP Maximum 99% OBW

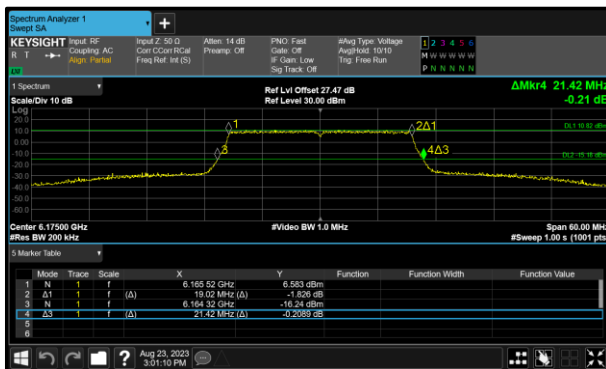


Figure 13 - 802.11ax HE20 SU SP Minimum 99% OBW

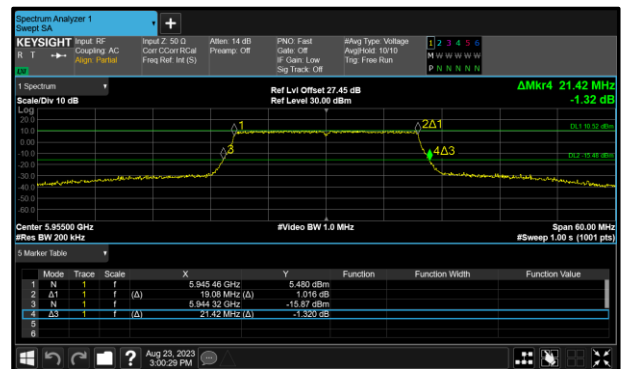


Figure 14 - 802.11ax HE20 SU SP Maximum 99% OBW



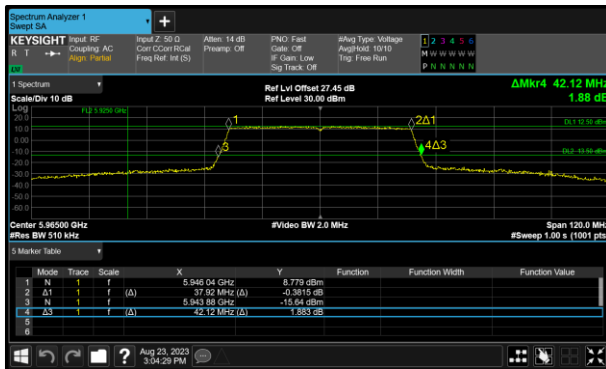


Figure 15 - 802.11ax HE40 SU SP Minimum 99% OBW

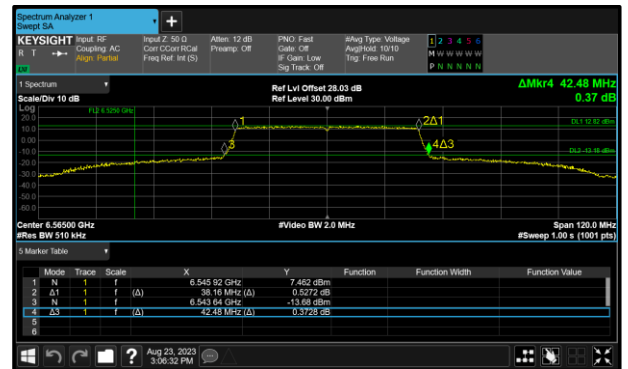


Figure 16 - 802.11ax HE40 SU SP Maximum 99% OBW

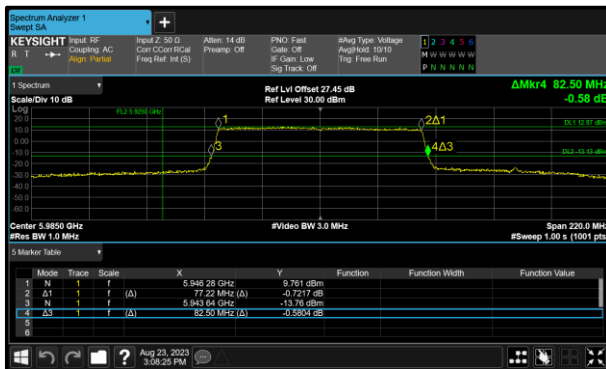


Figure 17 - 802.11ax HE80 SU SP Minimum 99% OBW

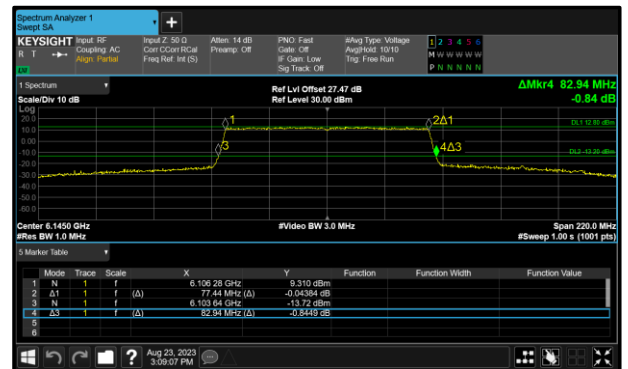


Figure 18 - 802.11ax HE80 SU SP Maximum 99% OBW

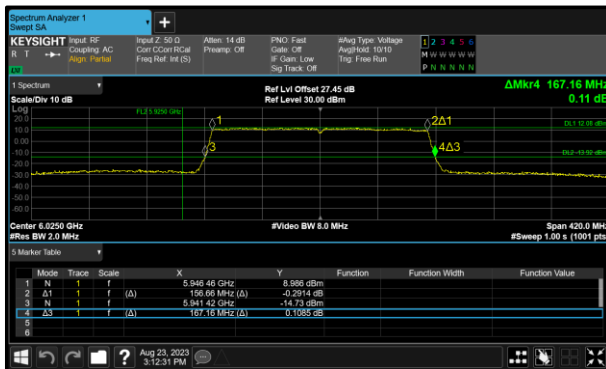


Figure 19 - 802.11ax HE160 SU SP Minimum 99% OBW



Figure 20 - 802.11ax HE160 SU SP Maximum 99% OBW



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11a SP	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	21.000	-	-	-	-
6175	21.060	-	-	-	-
6415	21.180	-	-	-	-

**Table 50 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	16.620	-	-	-	-
6175	16.680	-	-	-	-
6415	16.740	-	-	-	-

**Table 51 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	21.420	-	-	-	-
6175	21.420	-	-	-	-
6415	21.300	-	-	-	-

**Table 52 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	19.080	-	-	-	-
6175	19.020	-	-	-	-
6415	19.020	-	-	-	-

**Table 53 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	42.120	-	-	-	-
6165	42.000	-	-	-	-
6405	42.000	-	-	-	-

**Table 54 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	37.920	-	-	-	-
6165	37.920	-	-	-	-
6405	38.040	-	-	-	-

**Table 55 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	82.500	-	-	-	-
6145	82.940	-	-	-	-
6385	82.720	-	-	-	-

**Table 56 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	77.220	-	-	-	-
6145	77.440	-	-	-	-
6385	77.440	-	-	-	-

**Table 57 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):		Test Method(s):	C63.10 6.9.3 C63.10 12.5.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	167.160	-	-	-	-
6185	166.740	-	-	-	-
6345	167.580	-	-	-	-

**Table 58 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	156.660	-	-	-	-
6185	156.660	-	-	-	-
6345	156.660	-	-	-	-

**Table 59 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11a SP	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	21.180	-	-	-	-
6695	21.120	-	-	-	-
6855	21.120	-	-	-	-

**Table 60 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	16.680	-	-	-	-
6695	16.680	-	-	-	-
6855	16.740	-	-	-	-

**Table 61 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	21.360	-	-	-	-
6695	21.300	-	-	-	-
6855	21.480	-	-	-	-

**Table 62 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	19.080	-	-	-	-
6695	19.080	-	-	-	-
6855	19.080	-	-	-	-

**Table 63 - 99% Bandwidth Results**





Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6565	42.480	-	-	-	-
6685	42.120	-	-	-	-
6845	42.360	-	-	-	-

**Table 64 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6565	36.160	-	-	-	-
6685	38.040	-	-	-	-
6845	38.160	-	-	-	-

**Table 65 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6625	82.720	-	-	-	-
6705	82.940	-	-	-	-
6785	83.160	-	-	-	-

**Table 66 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6625	77.440	-	-	-	-
6705	77.440	-	-	-	-
6785	77.220	-	-	-	-

**Table 67 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6665	168.000	-	-	-	-

**Table 68 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6665	156.660	-	-	-	-

**Table 69 - 99% Bandwidth Results**



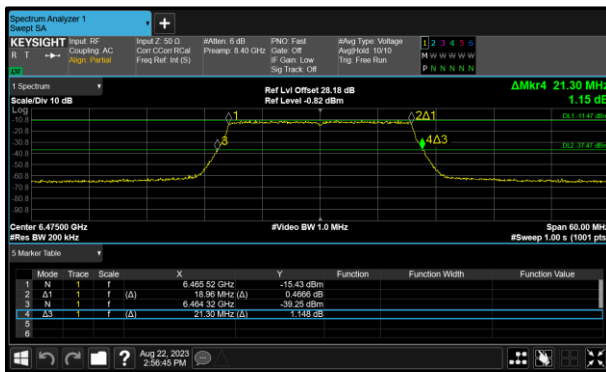
**MIMO CDD**

Protocol	26 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU LPI	21.180	21.420
802.11ax HE40 SU LPI	41.760	42.240
802.11ax HE80 SU LPI	82.500	82.940
802.11ax HE160 SU LPI	165.900	167.580

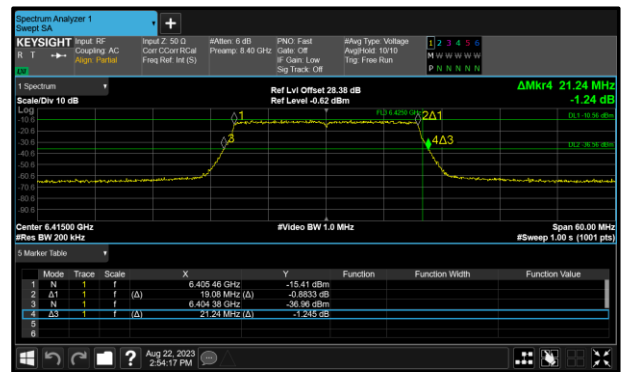
**Table 70 - 26 dB Bandwidth Summary Results - MIMO CDD LPI**

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU LPI	18.960	19.080
802.11ax HE40 SU LPI	37.920	38.160
802.11ax HE80 SU LPI	77.000	77.440
802.11ax HE160 SU LPI	156.240	156.660

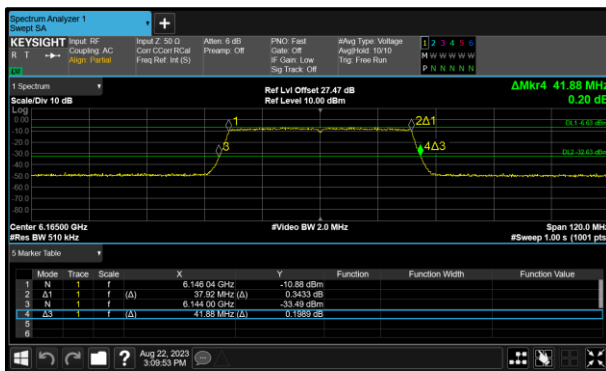
**Table 71 - 99% Bandwidth Summary Results - MIMO CDD LPI**



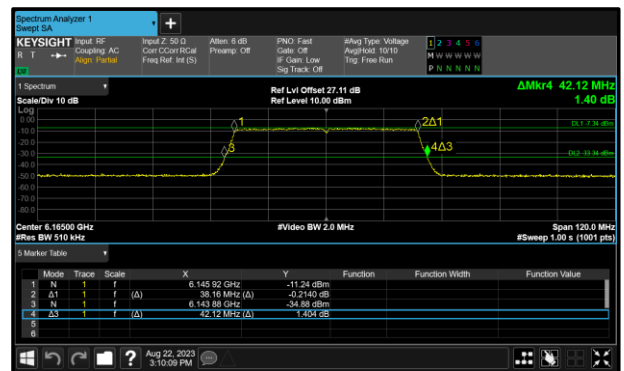
**Figure 21 - 802.11ax HE20 SU LPI Minimum 99% OBW**



**Figure 22 - 802.11ax HE20 SU LPI Maximum 99% OBW**



**Figure 23 - 802.11ax HE40 SU LPI Minimum 99% OBW**



**Figure 24 - 802.11ax HE40 SU LPI Maximum 99% OBW**

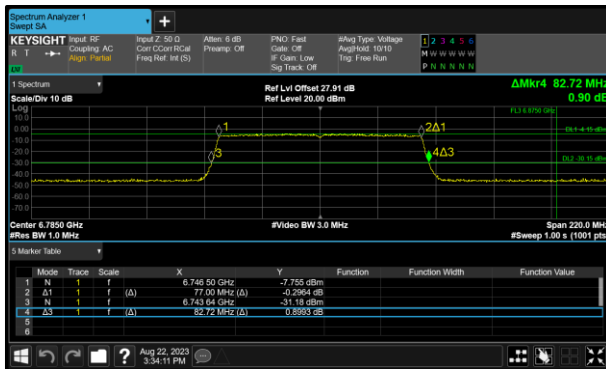


Figure 25 - 802.11ax HE80 SU LPI Minimum 99% OBW

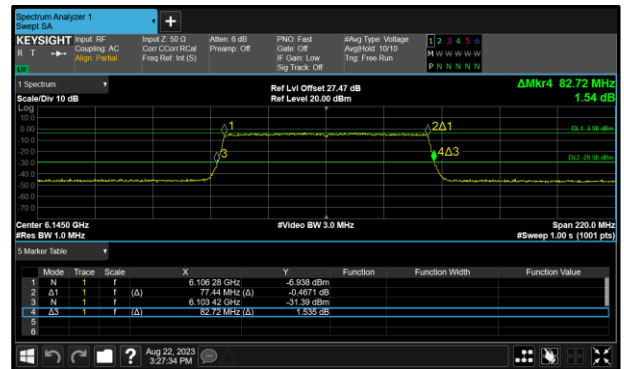


Figure 26 - 802.11ax HE80 SU LPI Maximum 99% OBW

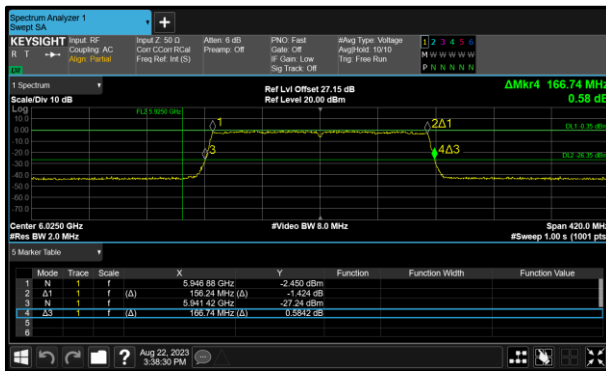


Figure 27 - 802.11ax HE160 SU LPI Minimum 99% OBW

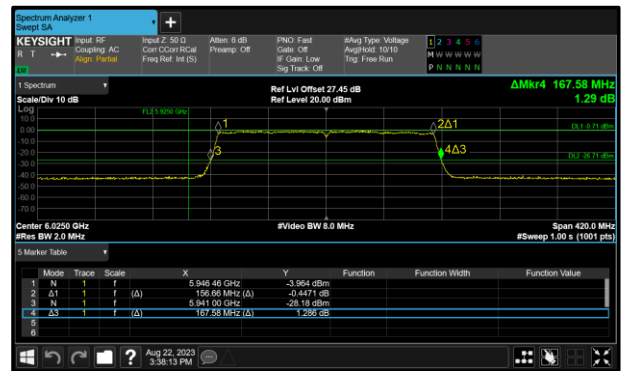


Figure 28 - 802.11ax HE160 SU LPI Maximum 99% OBW



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	21.300	21.420	-	-	-
6175	21.300	21.300	-	-	-
6415	21.240	21.360	-	-	-

**Table 72 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	19.020	19.020	-	-	-
6175	19.020	19.020	-	-	-
6415	19.080	19.020	-	-	-

**Table 73 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	41.880	42.000	-	-	-
6165	41.880	42.120	-	-	-
6405	41.880	42.000	-	-	-

**Table 74 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	38.040	38.040	-	-	-
6165	37.920	38.160	-	-	-
6405	37.920	37.920	-	-	-

**Table 75 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	82.720	82.940	-	-	-
6145	82.720	82.940	-	-	-
6385	82.500	82.720	-	-	-

**Table 76 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	77.220	77.220	-	-	-
6145	77.440	77.440	-	-	-
6385	77.220	77.440	-	-	-

**Table 77 - 99% Bandwidth Results**





Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	167.580	166.740	-	-	-
6185	167.160	165.900	-	-	-
6345	167.160	166.740	-	-	-

**Table 78 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	156.660	156.240	-	-	-
6185	156.660	156.660	-	-	-
6345	156.660	156.660	-	-	-

**Table 79 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6435	21.240	21.180	-	-	-
6475	21.300	21.180	-	-	-
6515	21.360	21.360	-	-	-

**Table 80 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6435	19.020	19.020	-	-	-
6475	18.960	19.020	-	-	-
6515	19.020	19.020	-	-	-

**Table 81 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6445	41.880	42.000	-	-	-
6485	42.000	42.120	-	-	-
6525	21.000	21.000	-	-	-

**Table 82 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6445	37.920	37.920	-	-	-
6485	37.920	38.040	-	-	-
6525	18.960	19.080	-	-	-

**Table 83 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6465	82.720	82.940	-	-	-
6545	21.360	21.360	-	-	-

**Table 84 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6465	77.220	77.220	-	-	-
6545	18.940	18.940	-	-	-

**Table 85 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	99.800	99.800	-	-	-

**Table 86 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	98.120	97.700	-	-	-

**Table 87 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	21.240	21.420	-	-	-
6695	21.300	21.360	-	-	-
6855	21.180	21.360	-	-	-
6875	10.620	10.620	-	-	-

**Table 88 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	19.020	19.020	-	-	-
6695	19.020	19.020	-	-	-
6855	19.080	19.020	-	-	-
6875	9.480	9.480	-	-	-

**Table 89 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6525	20.880	21.000	-	-	-
6565	42.000	41.880	-	-	-
6685	41.880	42.240	-	-	-
6845	41.760	42.240	-	-	-
6885	10.880	11.120	-	-	-

**Table 90 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6525	18.960	18.960	-	-	-
6565	37.920	38.040	-	-	-
6685	37.920	37.920	-	-	-
6845	37.920	38.040	-	-	-
6885	9.320	9.320	-	-	-

**Table 91 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6545	61.360	61.360	-	-	-
6625	82.940	82.500	-	-	-
6705	82.500	82.720	-	-	-
6785	82.940	82.720	-	-	-
6865	51.580	51.360	-	-	-

**Table 92 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6545	58.280	58.280	-	-	-
6625	77.220	77.440	-	-	-
6705	77.220	77.220	-	-	-
6785	77.220	77.000	-	-	-
6865	48.500	48.500	-	-	-

**Table 93 - 99% Bandwidth Results**





Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	63.160	63.160	-	-	-
6665	167.580	167.580	-	-	-
6825	133.580	133.160	-	-	-

**Table 94 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	58.540	58.540	-	-	-
6665	156.240	156.240	-	-	-
6825	127.700	127.700	-	-	-

**Table 95 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6875	10.740	10.680	-	-	-
6895	21.360	21.360	-	-	-
6995	21.420	21.300	-	-	-
7095	21.300	21.420	-	-	-

**Table 96 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6875	9.480	9.540	-	-	-
6895	19.020	19.020	-	-	-
6995	19.020	19.020	-	-	-
7095	19.080	19.020	-	-	-

**Table 97 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6885	31.000	31.000	-	-	-
6925	42.000	41.880	-	-	-
7005	42.000	42.000	-	-	-
7085	42.000	42.000	-	-	-

**Table 98 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6885	28.840	28.840	-	-	-
6925	37.920	37.920	-	-	-
7005	37.920	37.920	-	-	-
7085	37.920	37.920	-	-	-

**Table 99 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6865	31.140	31.360	-	-	-
6945	82.940	82.500	-	-	-
7025	82.500	82.940	-	-	-

**Table 100 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6865	28.720	28.720	-	-	-
6945	77.220	77.220	-	-	-
7025	77.220	77.440	-	-	-

**Table 101 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6825	33.580	33.580	-	-	-
6985	166.740	166.740	-	-	-

**Table 102 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6825	29.380	28.960	-	-	-
6985	156.660	156.660	-	-	-

**Table 103 - 99% Bandwidth Results**

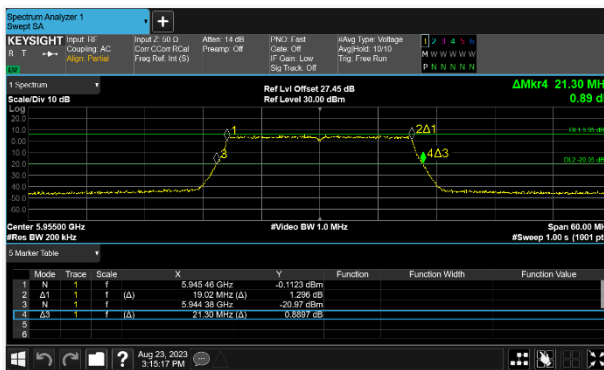


Protocol	26 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU	21.180	21.480
802.11ax HE40 SU	41.760	42.000
802.11ax HE80 SU	82.720	83.380
802.11ax HE160 SU	166.320	167.580

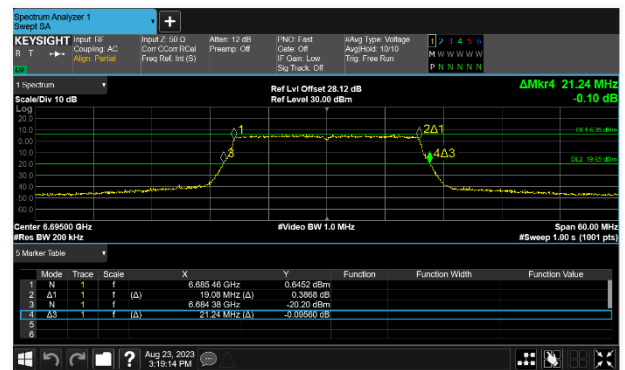
**Table 104 - 26dB Bandwidth Summary Results - MIMO CDD SP**

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU	19.020	19.080
802.11ax HE40 SU	37.920	38.040
802.11ax HE80 SU	77.220	77.440
802.11ax HE160 SU	156.660	156.660

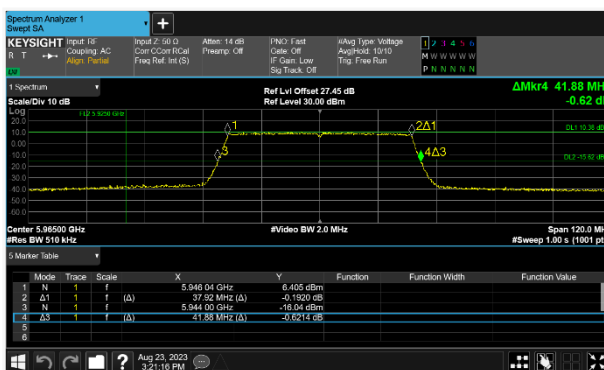
**Table 105 - 99% Bandwidth Summary Results - MIMO CDD SP**



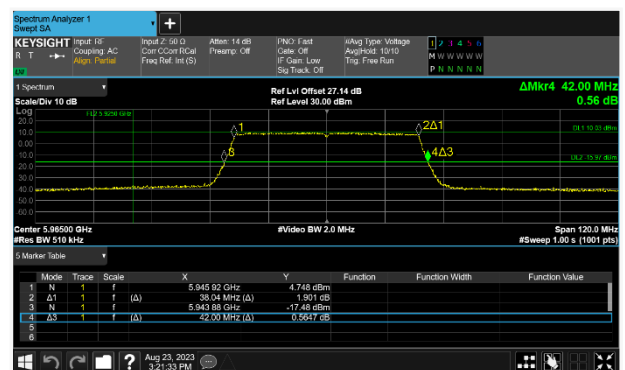
**Figure 29 - 802.11ax HE20 SU SP Minimum 99% OBW**



**Figure 30 - 802.11ax HE20 SU SP Maximum 99% OBW**



**Figure 31 - 802.11ax HE40 SU SP Minimum 99% OBW**



**Figure 32 - 802.11ax HE40 SU SP Maximum 99% OBW**

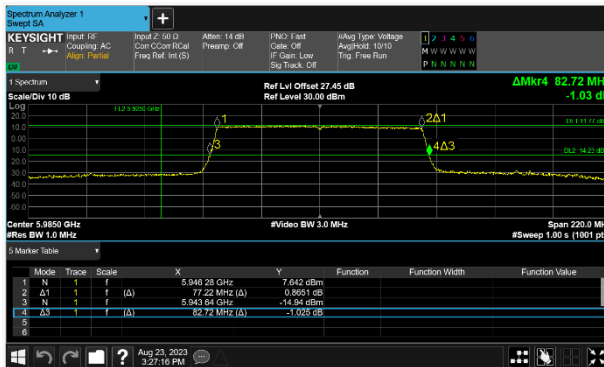


Figure 33 - 802.11ax HE80 SU SP Minimum 99% OBW

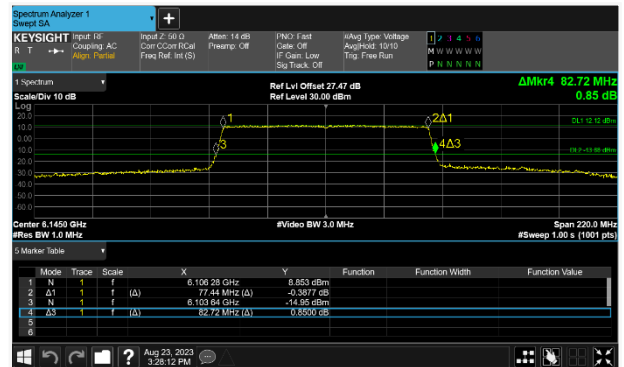


Figure 34 - 802.11ax HE80 SU SP Maximum 99% OBW

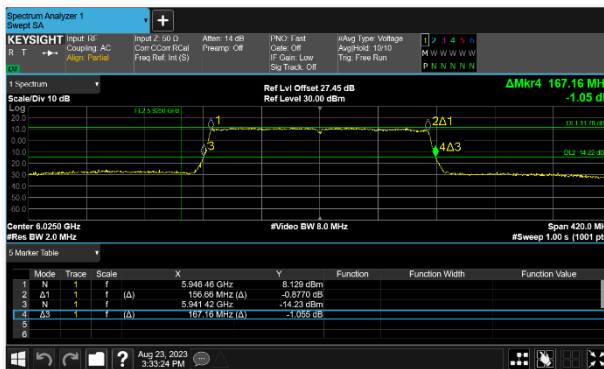


Figure 35 - 802.11ax HE160 SU SP Minimum 99% OBW

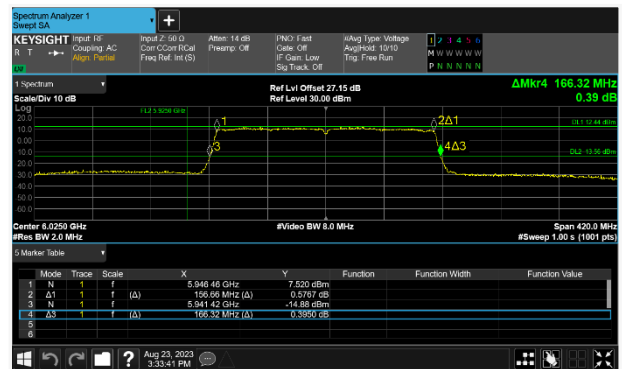


Figure 36 - 802.11ax HE160 SU SP Maximum 99% OBW



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	21.300	21.240	-	-	-
6175	21.360	21.300	-	-	-
6415	21.360	21.180	-	-	-

**Table 106 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	19.020	19.020	-	-	-
6175	19.020	19.020	-	-	-
6415	19.020	19.020	-	-	-

**Table 107 - 99% dB Bandwidth Results**





Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	41.880	42.000	-	-	-
6165	41.880	41.880	-	-	-
6405	42.000	41.880	-	-	-

**Table 108 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	37.920	38.040	-	-	-
6165	37.920	37.920	-	-	-
6405	38.040	37.920	-	-	-

**Table 109 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	82.720	82.720	-	-	-
6145	82.720	82.720	-	-	-
6385	82.940	82.720	-	-	-

**Table 110 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	77.220	77.220	-	-	-
6145	77.440	77.440	-	-	-
6385	77.440	77.440	-	-	-

**Table 111 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	167.160	166.320	-	-	-
6185	167.160	167.160	-	-	-
6345	167.580	166.740	-	-	-

**Table 112 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	156.660	156.660	-	-	-
6185	156.660	156.660	-	-	-
6345	156.660	156.660	-	-	-

**Table 113 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	21.300	21.300	-	-	-
6695	21.240	21.360	-	-	-
6855	21.360	21.480	-	-	-

**Table 114 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	19.020	19.020	-	-	-
6695	19.080	19.020	-	-	-
6855	19.020	19.020	-	-	-

**Table 115 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6565	41.880	42.000	-	-	-
6685	42.000	42.000	-	-	-
6845	42.000	41.760	-	-	-

**Table 116 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6565	37.920	37.920	-	-	-
6685	37.920	37.920	-	-	-
6845	37.920	38.040	-	-	-

**Table 117 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6625	82.940	83.380	-	-	-
6705	83.160	82.720	-	-	-
6785	82.720	83.160	-	-	-

**Table 118 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6625	77.440	77.440	-	-	-
6705	77.440	77.440	-	-	-
6785	77.220	77.440	-	-	-

**Table 119 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6665	167.160	166.320	-	-	-

**Table 120 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6665	156.660	156.660	-	-	-

**Table 121 - 99% Bandwidth Results**



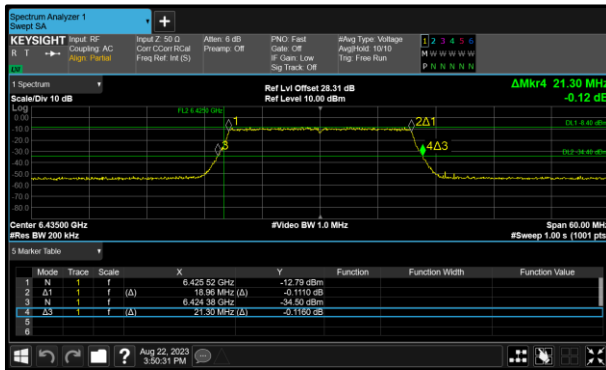
**MIMO SDM**

Protocol	26 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU LPI	21.180	21.480
802.11ax HE40 SU LPI	41.760	42.120
802.11ax HE80 SU LPI	82.280	83.160
802.11ax HE160 SU LPI	165.900	166.740

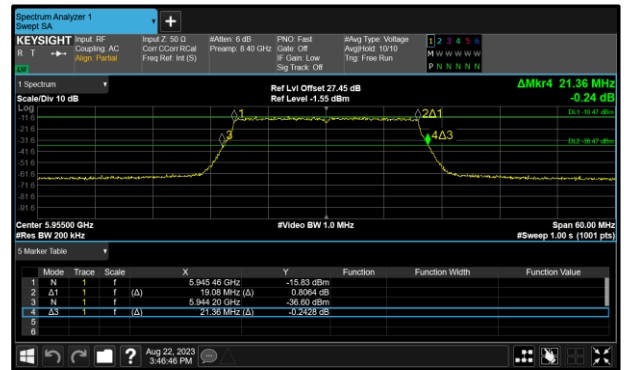
**Table 122 - 26 dB Bandwidth Summary Results - MIMO SDM LPI**

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU LPI	18.960	19.080
802.11ax HE40 SU LPI	37.920	38.160
802.11ax HE80 SU LPI	77.000	77.440
802.11ax HE160 SU LPI	156.240	156.660

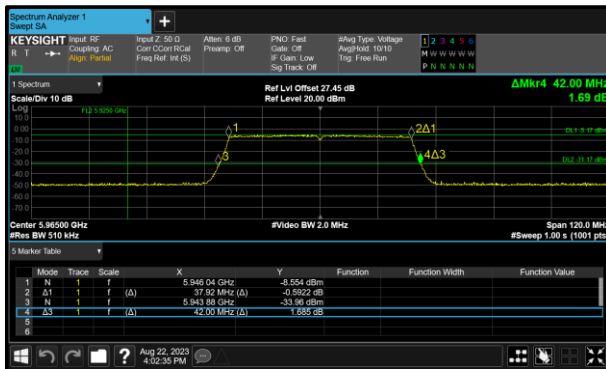
**Table 123 - 99% Bandwidth Summary Results - MIMO SDM LPI**



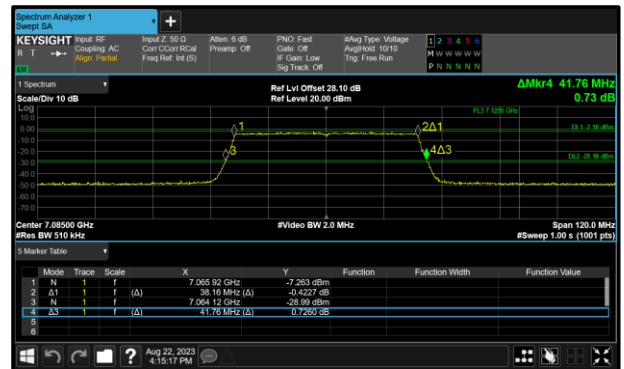
**Figure 37 - 802.11ax HE20 SU LPI Minimum 99% OBW**



**Figure 38 - 802.11ax HE20 SU LPI Maximum 99% OBW**



**Figure 39 - 802.11ax HE40 SU LPI Minimum 99% OBW**



**Figure 40 - 802.11ax HE40 SU LPI Maximum 99% OBW**



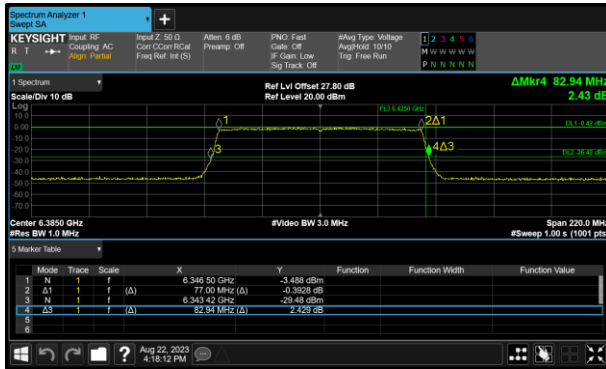


Figure 41 - 802.11ax HE80 SU LPI Minimum 99% OBW

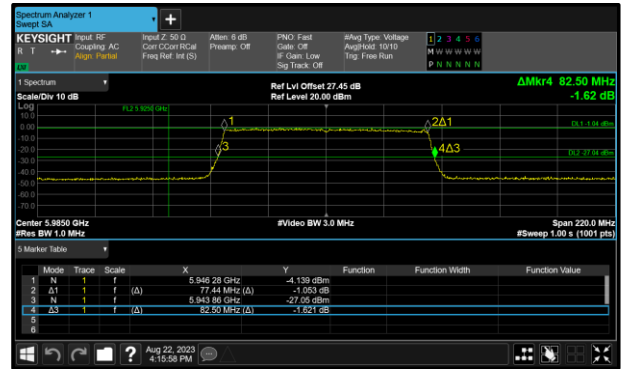


Figure 42 - 802.11ax HE80 SU LPI Maximum 99% OBW

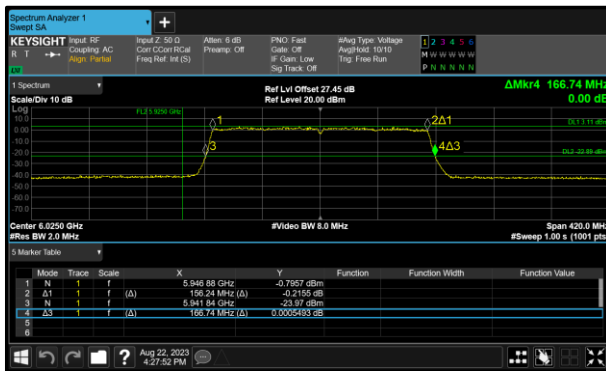


Figure 43 - 802.11ax HE160 SU LPI Minimum 99% OBW

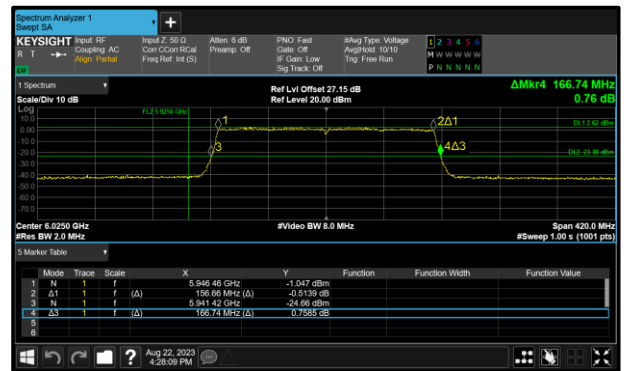


Figure 44 - 802.11ax HE160 SU LPI Maximum 99% OBW



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	21.360	21.180	-	-	-
6175	21.300	21.360	-	-	-
6415	21.300	21.360	-	-	-

**Table 124 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	19.080	19.080	-	-	-
6175	19.020	19.080	-	-	-
6415	19.020	19.080	-	-	-

**Table 125 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	42.000	41.880	-	-	-
6165	42.000	42.120	-	-	-
6405	42.000	42.000	-	-	-

**Table 126 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	37.920	37.920	-	-	-
6165	37.920	38.040	-	-	-
6405	37.920	38.040	-	-	-

**Table 127 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	82.500	82.720	-	-	-
6145	82.280	82.940	-	-	-
6385	82.720	82.940	-	-	-

**Table 128 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	77.440	77.220	-	-	-
6145	77.220	77.220	-	-	-
6385	77.220	77.000	-	-	-

**Table 129 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	166.740	166.740	-	-	-
6185	166.320	166.740	-	-	-
6345	166.320	165.900	-	-	-

**Table 130 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	156.240	156.660	-	-	-
6185	156.240	156.660	-	-	-
6345	156.660	156.660	-	-	-

**Table 131 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6435	21.300	21.300	-	-	-
6475	21.360	21.420	-	-	-
6515	21.360	21.480	-	-	-

**Table 132 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6435	18.960	19.020	-	-	-
6475	19.020	19.080	-	-	-
6515	19.080	19.080	-	-	-

**Table 133 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6445	42.120	42.000	-	-	-
6485	41.880	41.760	-	-	-
6525	21.000	21.000	-	-	-

**Table 134 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6445	37.920	37.920	-	-	-
6485	37.920	38.040	-	-	-
6525	18.960	18.960	-	-	-

**Table 135 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6465	82.500	82.940	-	-	-
6545	21.360	21.580	-	-	-

**Table 136 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6465	77.000	77.220	-	-	-
6545	18.940	18.940	-	-	-

**Table 137 - 99% Bandwidth Results**





Test Configuration			
Frequency Range:	6.425-6.525 GHz	Band:	U-NII-6
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	99.800	99.800	-	-	-

**Table 138 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	97.700	97.700	-	-	-

**Table 139 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	21.300	21.480	-	-	-
6695	21.240	21.300	-	-	-
6855	21.240	21.420	-	-	-
6875	10.620	10.620	-	-	-

**Table 140 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	19.020	19.080	-	-	-
6695	19.020	19.080	-	-	-
6855	19.020	19.020	-	-	-
6875	9.480	9.540	-	-	-

**Table 141 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6525	21.000	21.120	-	-	-
6565	42.000	42.000	-	-	-
6685	42.120	42.120	-	-	-
6845	42.000	42.000	-	-	-
6885	11.120	11.000	-	-	-

**Table 142 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6525	18.960	18.960	-	-	-
6565	37.920	37.920	-	-	-
6685	37.920	37.920	-	-	-
6845	37.920	37.920	-	-	-
6885	9.320	9.320	-	-	-

**Table 143 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6545	61.360	61.360	-	-	-
6625	82.500	83.160	-	-	-
6705	82.280	82.720	-	-	-
6785	82.500	82.500	-	-	-
6865	51.140	51.360	-	-	-

**Table 144 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6545	58.280	58.280	-	-	-
6625	77.220	77.220	-	-	-
6705	77.220	77.000	-	-	-
6785	77.220	77.220	-	-	-
6865	48.500	48.500	-	-	-

**Table 145 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	63.580	62.740	-	-	-
6665	166.740	166.740	-	-	-
6825	133.580	133.580	-	-	-

**Table 146 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6505	58.540	58.540	-	-	-
6665	156.240	156.240	-	-	-
6825	127.700	127.700	-	-	-

**Table 147 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6875	10.620	10.680	-	-	-
6895	21.300	21.180	-	-	-
6995	21.420	21.300	-	-	-
7095	21.360	21.360	-	-	-

**Table 148 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6875	9.540	9.540	-	-	-
6895	19.080	19.080	-	-	-
6995	19.020	19.080	-	-	-
7095	19.020	19.080	-	-	-

**Table 149 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6885	31.120	30.880	-	-	-
6925	42.120	42.000	-	-	-
7005	42.000	42.000	-	-	-
7085	42.000	41.760	-	-	-

**Table 150 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6885	28.840	28.840	-	-	-
6925	37.920	37.920	-	-	-
7005	37.920	37.920	-	-	-
7085	37.920	38.160	-	-	-

**Table 151 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6865	31.360	31.580	-	-	-
6945	82.280	82.940	-	-	-
7025	82.720	82.720	-	-	-

**Table 152 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6865	28.940	28.720	-	-	-
6945	77.220	77.220	-	-	-
7025	77.220	77.220	-	-	-

**Table 153 - 99% Bandwidth Results**





Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6825	33.160	33.160	-	-	-
6985	166.740	166.320	-	-	-

**Table 154 - 26 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6825	29.380	29.380	-	-	-
6985	156.240	156.660	-	-	-

**Table 155 - 99% Bandwidth Results**

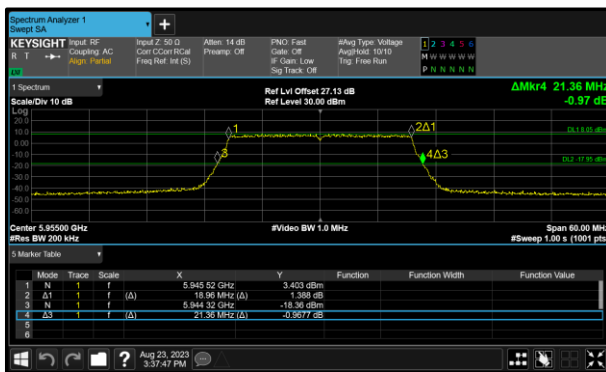


Protocol	26 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU SP	21.180	21.420
802.11ax HE40 SU SP	41.760	42.360
802.11ax HE80 SU SP	82.500	83.160
802.11ax HE160 SU SP	166.740	238.980

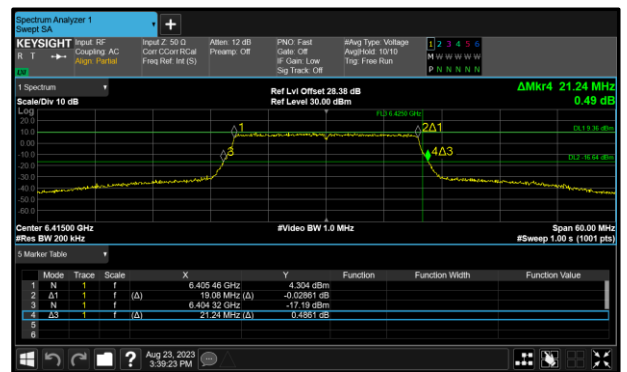
**Table 156 - 26dB Bandwidth Summary Results - MIMO SDM SP**

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU SP	18.960	19.080
802.11ax HE40 SU SP	37.920	38.160
802.11ax HE80 SU SP	77.220	77.440
802.11ax HE160 SU SP	156.240	157.080

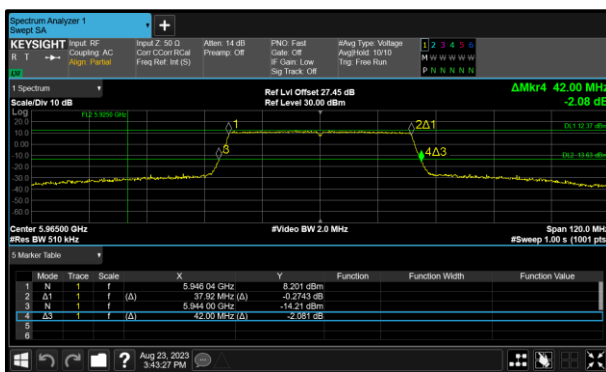
**Table 157 - 99% Bandwidth Summary Results - MIMO SDM SP**



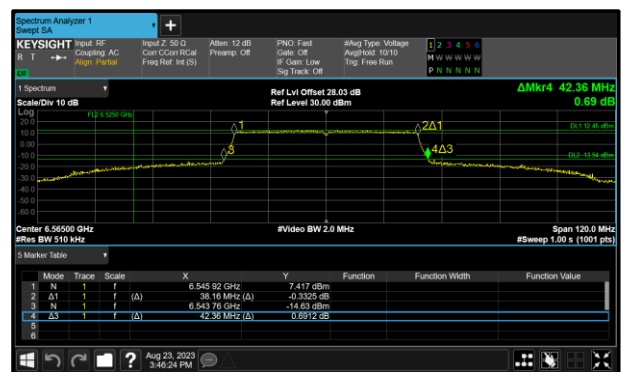
**Figure 45 - 802.11ax HE20 SU SP Minimum 99% OBW**



**Figure 46 - 802.11ax HE20 SU SP Maximum 99% OBW**



**Figure 47 - 802.11ax HE40 SU SP Minimum 99% OBW**



**Figure 48 - 802.11ax HE40 SU SP Maximum 99% OBW**

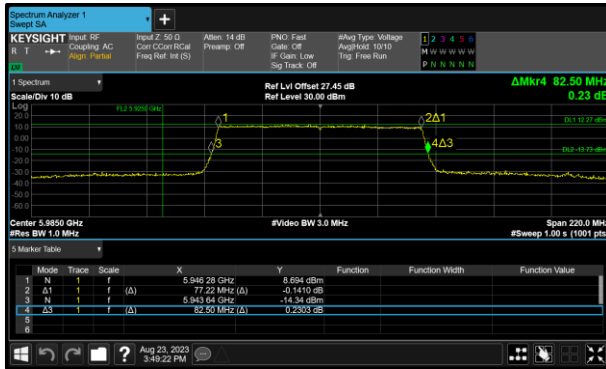


Figure 49 - 802.11ax HE80 SU SP Minimum 99% OBW

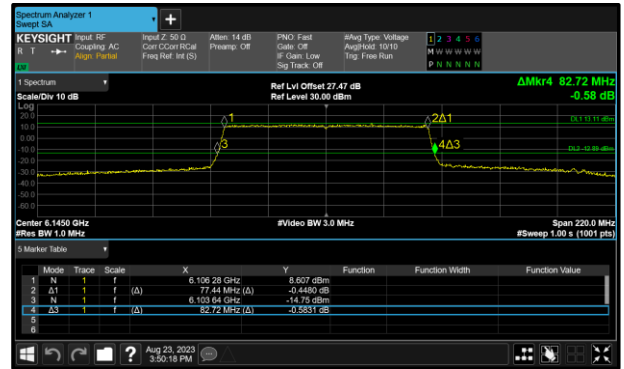


Figure 50 - 802.11ax HE80 SU SP Maximum 99% OBW

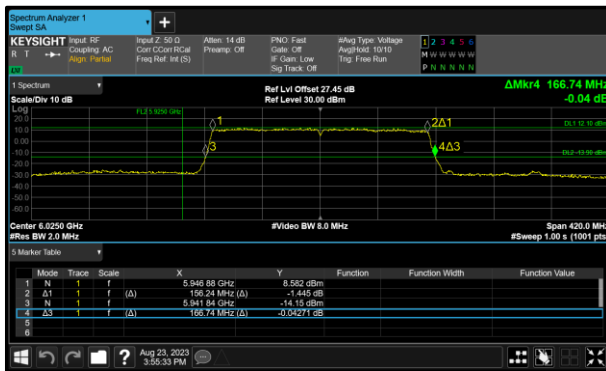


Figure 51 - 802.11ax HE160 SU SP Minimum 99% OBW

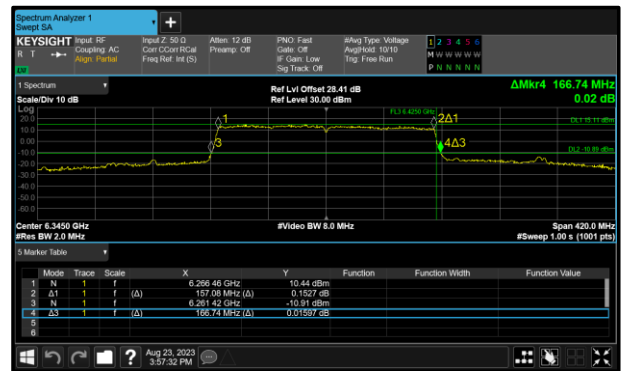


Figure 52 - 802.11ax HE160 SU SP Maximum 99% OBW



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	21.420	21.360	-	-	-
6175	21.300	21.240	-	-	-
6415	21.240	21.360	-	-	-

**Table 158 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5955	19.020	18.960	-	-	-
6175	19.020	19.020	-	-	-
6415	19.080	18.960	-	-	-

**Table 159 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	42.000	41.760	-	-	-
6165	42.000	42.000	-	-	-
6405	42.360	41.760	-	-	-

**Table 160 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5965	37.920	37.920	-	-	-
6165	37.920	37.920	-	-	-
6405	38.040	38.040	-	-	-

**Table 161 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	82.500	82.720	-	-	-
6145	82.720	82.940	-	-	-
6385	82.720	82.940	-	-	-

**Table 162 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5985	77.220	77.220	-	-	-
6145	77.440	77.440	-	-	-
6385	77.440	77.440	-	-	-

**Table 163 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	166.740	166.740	-	-	-
6185	167.160	166.740	-	-	-
6345	166.740	166.740	-	-	-

**Table 164 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6025	156.240	156.660	-	-	-
6185	156.660	156.660	-	-	-
6345	157.080	156.660	-	-	-

**Table 165 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):		Test Method(s):	C63.10 6.9.3 C63.10 12.5.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	21.420	21.180	-	-	-
6695	21.240	21.420	-	-	-
6855	21.360	21.300	-	-	-

**Table 166 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6535	18.960	19.080	-	-	-
6695	19.080	19.020	-	-	-
6855	19.020	19.020	-	-	-

**Table 167 - 99% Bandwidth Results**





Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE40 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6565	42.360	42.000	-	-	-
6685	42.120	42.120	-	-	-
6845	42.120	42.120	-	-	-

**Table 168 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6565	38.160	38.040	-	-	-
6685	38.040	38.040	-	-	-
6845	38.160	38.160	-	-	-

**Table 169 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE80 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6625	82.940	82.720	-	-	-
6705	82.940	82.940	-	-	-
6785	82.940	83.160	-	-	-

**Table 170 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6625	77.440	77.440	-	-	-
6705	77.440	77.440	-	-	-
6785	77.440	77.440	-	-	-

**Table 171 - 99% Bandwidth Results**



Test Configuration			
Frequency Range:	6.525-6.875 GHz	Band:	U-NII-7
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE160 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6665	167.160	238.980	-	-	-

**Table 172 - 26 dB Bandwidth Results**

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
6665	157.080	156.660	-	-	-

**Table 173 - 99% Bandwidth Results**