

FCC and ISED Test Report

Apple Inc
Model: A3589



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

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SIGNATURE

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Tiago De Camargo Alves	Technical Support	Authorised Signatory	22 September 2026

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	Malwina Kowalska	22 September 2026	

FCC Accreditation 553713/UK2026 Concorde Park, Fareham Test Laboratory
ISED Accreditation 28798/UK0003 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: 2025, ISED RSS-248: Issue 3 (2024-10) 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	22 September 2026

Table 1

1.2 Introduction

Applicant	Apple Inc
Manufacturer	Apple Inc
EUT/Sample Identification	Refer to section 1.6
Test Specification/Issue/Date	FCC Up47 CFR Part 15E: 2025 ISED RSS-248: Issue 3 (2024-10) ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02)
Start of Test	21-March-2026
Finish of Test	28-August-2026
Name of Engineer(s)	Marius Vasii, Zeeshan Zia, Ahmed Al Derdiri, Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair, Babitha Babu, Josh O'Donnell, Mahmud Chowdhury, Elliot Callendar, Jayvir Makwana
Related Document (s)	ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 662911 D01 v02r01 KDB 789033 D02 v02r01 KDB 987594 D02 v03



1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15E and 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	Dual Client Test	Pass	KDB 987594 D02 v03
2.3	15.407 (a)	4.5	6.12	Maximum Conducted Output Power	Pass	KDB 662911 D01 v02r01 KDB 789033 D02 v02r01
2.4	15.407 (a)	4.5	-	Maximum Conducted Power Spectral Density	Pass	KDB 662911 D01 v02r01 KDB 789033 D02 v02r01
2.5	15.407 (b)	4.6	6.13	Authorised Band Edges	Pass	ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 789033 D02 v02r01
2.6	15.209 and 15.407 (b)	4.6	6.13 and 8.9	Spurious Radiated Emissions	Pass	ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 789033 D02 v02r01
2.7	15.407 (b)	4.6	6.13	Unwanted Emissions within the 5925-7125 MHz band	Pass	KDB 987594 D02 v03
2.8	15.407 (d)(6)	4.7	-	Contention Based Protocol	Pass	KDB 987594 D02 v03
2.9	15.407 (d)(10)	4.5.6	-	Transmit Power Control	Pass	KDB 987594 D02 v03

Table 2



1.4 Product Information

1.4.1 Technical Description

The equipment under test (EUT) was a desktop computer

1.4.2 Test Modes

The EUT's (5925 MHz to 7125 MHz) 802.11 radio, supports SISO (Single Input/Single Output) and 2x2 MIMO (Multiple Input/Multiple Output) modes as follows:

Technology	Modes	Data Rates	SISO	MIMO			
				CDD	STBC	SDM	TXBF
802.11 a	Legacy	6, 9, 12, 18, 24, 36, 48 and 54 Mbps	Yes	Yes	No	No	No
	a40	6, 9, 12, 18, 24, 36, 48 and 54 Mbps	Yes	Yes	No	No	No
	a80	6, 9, 12, 18, 24, 36, 48 and 54 Mbps	Yes	Yes	No	No	No
	a160	6, 9, 12, 18, 24, 36, 48 and 54 Mbps	Yes	Yes	No	No	No
802.11 ax	HE20	MCS 0 - 11 SU 242 RU 26/52/106/242	Yes	Yes	Yes	Yes	Yes*
	HE40	MCS 0 - 11 SU 484 RU 26/52/106/242/484	Yes	Yes	Yes	Yes	Yes*
	HE80	MCS 0 - 11 SU 996 RU 26/52/106/242/484/996	Yes	Yes	Yes	Yes	Yes*
	HE160	MCS 0 - 11 SU 996 RU 26/52/106/242/484/996	Yes	Yes	Yes	Yes	Yes*
802.11 be	EHT20	MCS 0 - 11 SU 242 RU 26/52/116/242 MRU 26+52/26+106	Yes	Yes	Yes	Yes	Yes*
	EHT40	MCS 0 - 11 SU 484 RU 26/52/106/242/484 MRU 26+52/26+106	Yes	Yes	Yes	Yes	Yes*
	EHT80	MCS 0 - 11 SU 996 RU 26/52/106/242/484/996 MRU 26+52/26+106 Puncturing 242+484	Yes	Yes	Yes	Yes	Yes*
	EHT160	MCS 0 - 11 SU 996x2 RU 26/52/106/242/484/996 MRU 26+52/26+106 Puncturing 242+484/ 484+996/242+484+996	Yes	Yes	Yes	Yes	Yes*

Table 3

*Limited to SU

With the EUT categorized as a Standard Power/Low Power (6CD) Dual Client & (6VL) Very Low Power device by region, as detailed in the table below.



Region	U-NII-5 (5925 - 6425 MHz)	U-NII-6 (6425 - 6525MHz)	U-NII-7 (6525 - 6875 MHz)	U-NII-8 (6875 - 7125 MHz)
Canada (ISED)	SP/LP/VLP*	SP/LP/VLP	SP/LP/VLP	LP/VLP
US (FCC)	SP/LP/VLP*	LP/VLP	SP/LP/VLP	LP/VLP

Table 4

*The device prioritises operation above 6105 MHz during VLP operation by not supporting channels below channel 33 in this mode.

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.

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

SISO Modes (Core 0 & 1)

- 802.11a - 12 Mbps
- 802.11a40 - 12 Mbps
- 802.11a80 - 12 Mbps
- 802.11a160 - 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*
- 802.11be EHT20 MU RU52+26/106+26 - MCS2x1
- 802.11be EHT80 MU RU484+242 - MCS2x1
- 802.11be EHT160 MU RU996+484/996+484+242 - MCS2x1

2x2 MIMO Modes (Core 0 + Core 1)

- 802.11a - CDD - 12 Mbps
- 802.11a40 - CDD - 12 Mbps
- 802.11a80 - CDD - 12 Mbps
- 802.11a160 - CDD - 12 Mbps
- 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)*
- 802.11be EHT20 MU RU52+26/106+26 - CDD - MCS2x1
- 802.11be EHT80 MU RU484+242 - CDD - MCS2x1
- 802.11be EHT160 MU RU996+484/996+484+242 - CDD - MCS2x1

*Note: For channel puncturing modes multiple RU indices were tested to cover different puncturing scenarios. For MU modes 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.



With Spurious Radiated Emissions tests limited to the modes shown below, with the device configured to operate at maximum output power. As this was deemed to be worst case.

2x2 MIMO Modes (Core 0 + Core 1):

- 802.11ax HE20 SU - CDD - MCS2x1
- 802.11be EHT20 MU RU52+26 - CDD - MCS2x1
- 802.11be EHT20 MU RU106+26 - CDD - MCS2x1
- 802.11be EHT160 MU RU484+242 - CDD - MCS2x1
- 802.11be EHT160 MU RU996+484 - CDD - MCS2x1
- 802.11be EHT160 MU RU996+484+242 - CDD - MCS2x1

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, Dual Client & TPC tests 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, Dual Client & TPC tests are described in the relevant test result sections of the present document.



1.4.4 Antenna Gain Table

Antenna Port	Frequency Range (MHz)	Peak Gain (dBi)	Conducted Cable Loss (dB)
Core 0 (WF2)	5925 to 6105	4.6	2.25
	6105 to 6265	4.7	2.30
	6265 to 6425	4.7	2.28
	6425 to 6525	4.9	2.19
	6525 to 6875	3.8	2.18
	6875 to 7125	3.8	2.43
Core 1 (WF1)	5925 to 6105	5.3	1.90
	6105 to 6265	3.3	1.93
	6265 to 6425	5.0	2.06
	6425 to 6525	5.1	2.10
	6525 to 6875	5.4	2.21
	6875 to 7125	4.6	2.36

Table 5

1.5 Deviations from the Standard

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



1.6 Identification of the EUT

The table below details identification of the EUT(s) that have been used to carry out the testing within this report.

Model: A3589		
Serial Number	Hardware Version	Software Version
MHJ59WH0CN	REV1.0	26A285
KMHJT7G919	REV1.0	26A363
KR9CWW5FPP	REV1.0	26A285
KMWY94GPQR	REV1.0	26A285
G62KP4C2XK	REV1.0	26A285
K6Y6VN9T95	REV1.0	26A285
KH37XQVX07	REV1.0	26A285
LQ92DX7F6M	REV1.0	26A322

Table 6

1.7 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: A3589, Serial Number: MHJ59WH0CN			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3589, Serial Number: KMHJT7G919			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3589, Serial Number: KR9CWW5FPP			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3589, Serial Number: KMWY94GPQR			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3589, Serial Number: G62KP4C2XK			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3589, Serial Number: K6Y6VN9T95			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3589, Serial Number: KH37XQVX07			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3589, Serial Number: LQ92DX7F6M			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 7



1.8 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		
Maximum Conducted Output Power	Josh O'Donnell, Mahmud Chowdhury, Elliot Callendar, Jayvir Makwana	UKAS
Maximum Conducted Power Spectral Density	Josh O'Donnell, Mahmud Chowdhury, Elliot Callendar, Jayvir Makwana	UKAS
Emission Bandwidth	Josh O'Donnell, Mahmud Chowdhury, Elliot Callendar, Jayvir Makwana	UKAS
Authorised Band Edges	Ian Hart, Marius Vasii, Colin Brain, Zeeshan Zia, Vineeth Nagaraj, Ahmed Al Derdiri, Nathan Ocom	UKAS
Spurious Radiated Emissions	Marius Vasii, Zeeshan Zia, Ahmed Al Derdiri, Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair	UKAS
Unwanted Emissions within the 5925-7125 MHz band	Josh O'Donnell, Mahmud Chowdhury, Elliot Callendar, Jayvir Makwana	UKAS
Contention Based Protocol	Babitha Babu	UKAS
Dual Client Test	Babitha Babu	UKAS
Transmit Power Control; Very Low Power Devices	Babitha Babu	UKAS

Table 8

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)(11)
ISED RSS-248, Clause 4.4
ISED RSS-GEN, Clause 6.7

2.1.2 Equipment Under Test and Modification State

A3589, S/N: K6Y6VN9T95 - Modification State 0
A3589, S/N: KH37XQVX07 - Modification State 0
A3589, S/N: LQ92DX7F6M - Modification State 0

2.1.3 Date of Test

26-May-2026 to 28-August-2026

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	20.3 - 25.5 °C
Relative Humidity	35.4 - 60.3 %



2.1.6 Test Results

6 GHz WLAN

Protocol	26 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU LPI	22.662	23.430
802.11ax HE40 SU LPI	44.280	45.132
802.11ax HE80 SU LPI	82.346	82.852
802.11ax HE160 SU LPI	164.472	164.892
802.11ax HE20 SU SP	21.390	23.214
802.11ax HE40 SU SP	42.192	45.432
802.11ax HE80 SU SP	81.708	83.050
802.11ax HE160 SU SP	164.094	175.014
802.11ax HE20 SU VLP	22.560	23.496
802.11ax HE40 SU VLP	44.124	45.228
802.11ax HE80 SU VLP	82.412	82.918
802.11ax HE160 SU VLP	164.682	164.850
802.11a20 LPI	19.896	22.020
802.11a20 SP	19.806	22.146
802.11a20 VLP	19.932	22.068
802.11a40 LPI	43.476	44.064
802.11a40 SP	43.490	76.880
802.11a40 VLP	43.380	44.328
802.11a80 LPI	119.976	133.032
802.11a80 SP	94.512	164.668
802.11a80 VLP	120.720	133.440
802.11a160 LPI	163.716	166.236
802.11a160 SP	163.380	314.664
802.11a160 VLP	164.052	166.656

Table 9 - 26 dB Bandwidth Summary Results – SISO (Core 0)

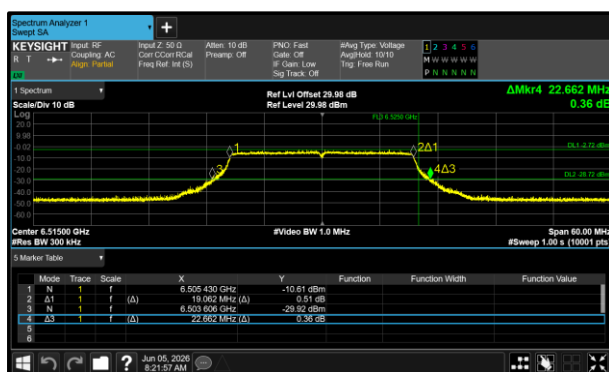


Figure 1 - 802.11ax HE20 SU LPI Minimum 26 dB
EBW

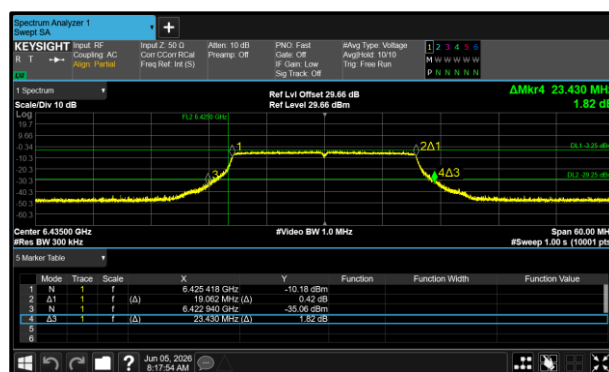


Figure 2 - 802.11ax HE20 SU LPI Maximum 26 dB
EBW

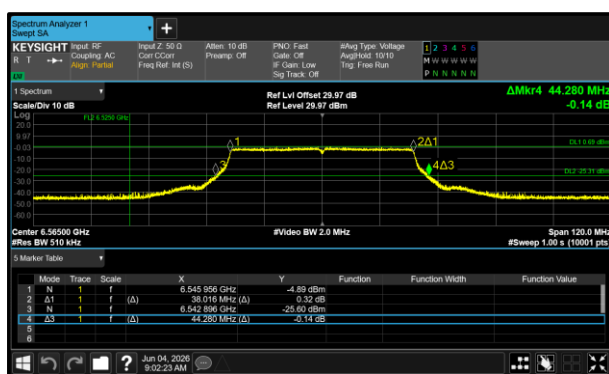


Figure 3 - 802.11ax HE40 SU LPI Minimum 26 dB
EBW

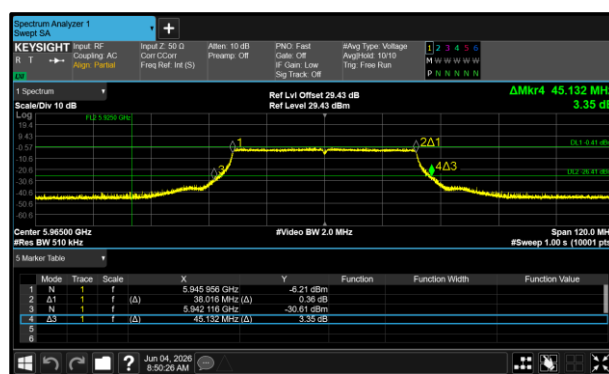


Figure 4 - 802.11ax HE40 SU LPI Maximum 26 dB
EBW

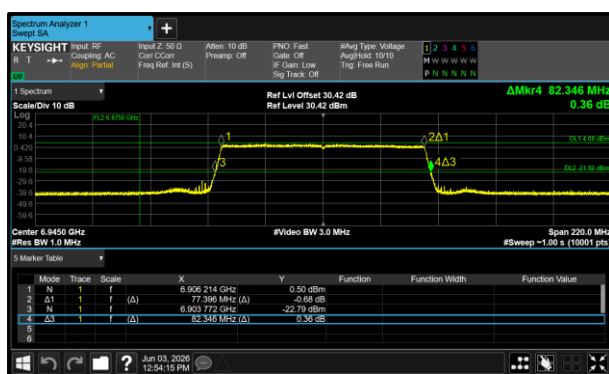


Figure 5 - 802.11ax HE80 SU LPI Minimum 26 dB
EBW

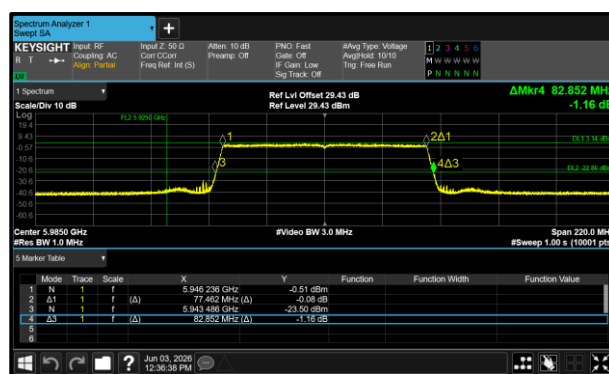


Figure 6 - 802.11ax HE80 SU LPI Maximum 26 dB
EBW

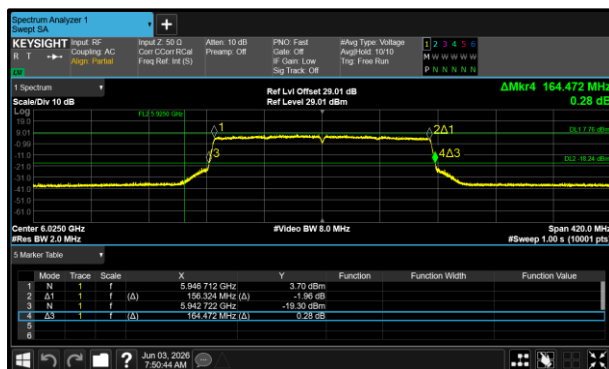


Figure 7 - 802.11ax HE160 SU LPI Minimum 26 dB EBW

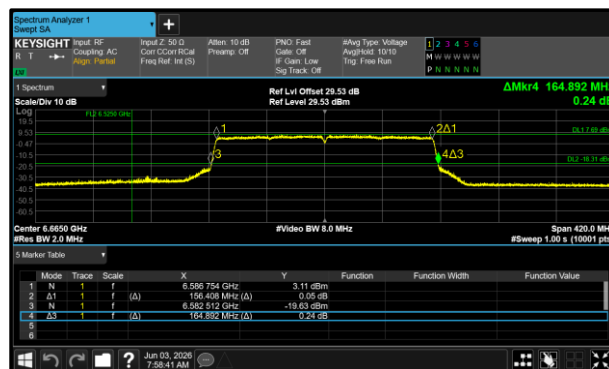


Figure 8 - 802.11ax HE160 SU LPI Maximum 26 dB EBW

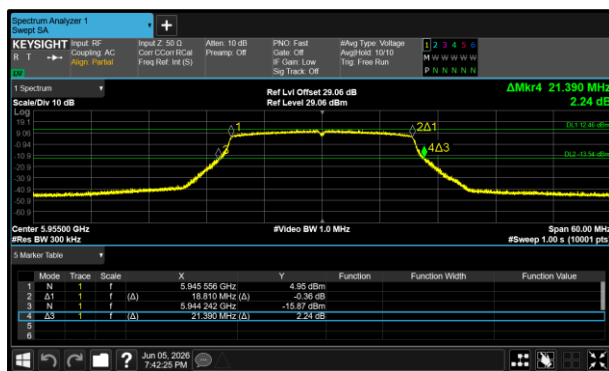


Figure 9 - 802.11ax HE20 SU SP Minimum 26 dB EBW

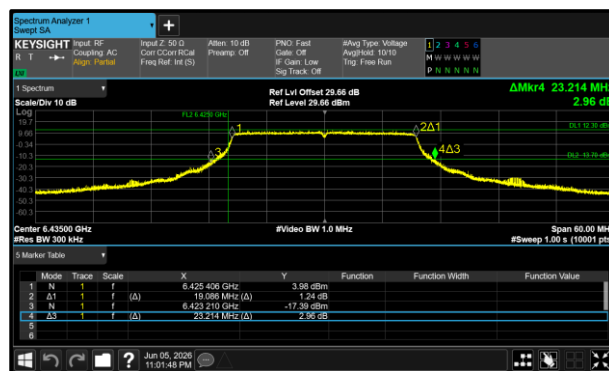


Figure 10 - 802.11ax HE20 SU SP Maximum 26 dB EBW

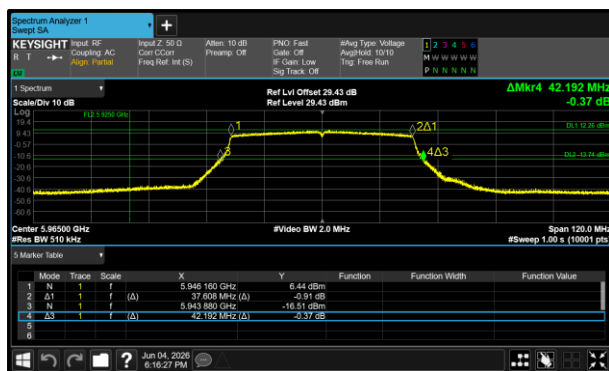


Figure 11 - 802.11ax HE40 SU SP Minimum 26 dB EBW

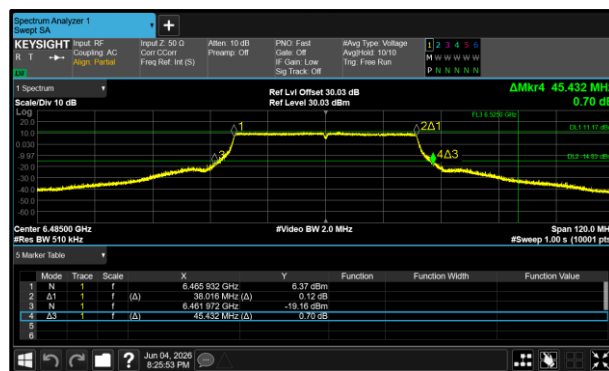


Figure 12 - 802.11ax HE40 SU SP Maximum 26 dB EBW

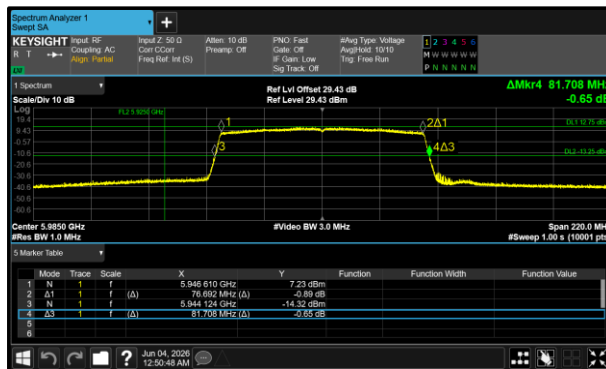


Figure 13 - 802.11ax HE80 SU SP Minimum 26 dB EBW

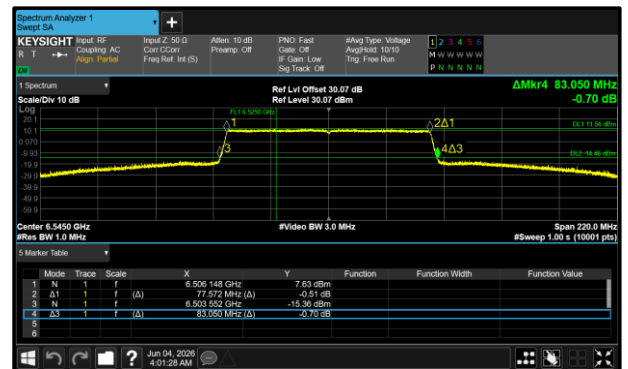


Figure 14 - 802.11ax HE80 SU SP Maximum 26 dB EBW

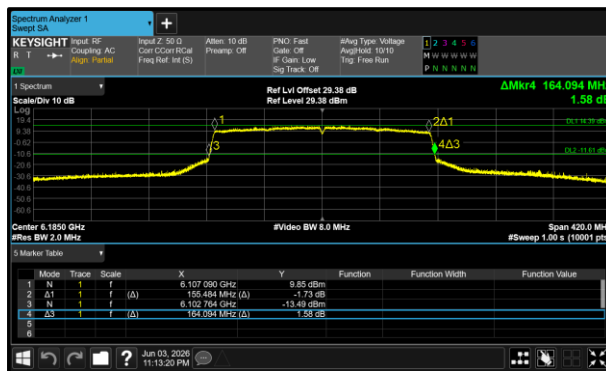


Figure 15 - 802.11ax HE160 SU SP Minimum 26 dB EBW



Figure 16 - 802.11ax HE160 SU SP Maximum 26 dB EBW

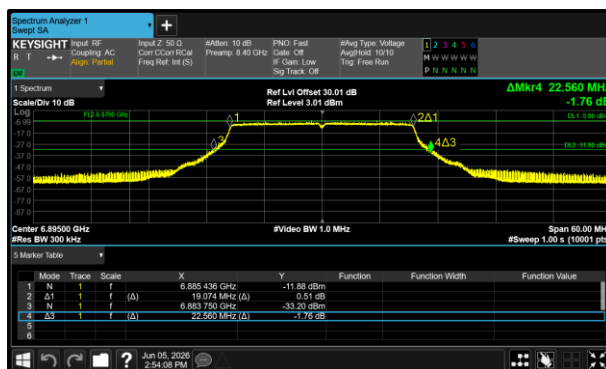


Figure 17 - 802.11ax HE20 SU VLP Minimum 26 dB EBW

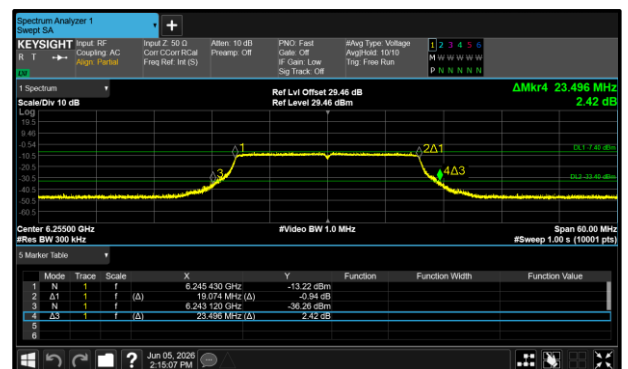


Figure 18 - 802.11ax HE20 SU VLP Maximum 26 dB EBW

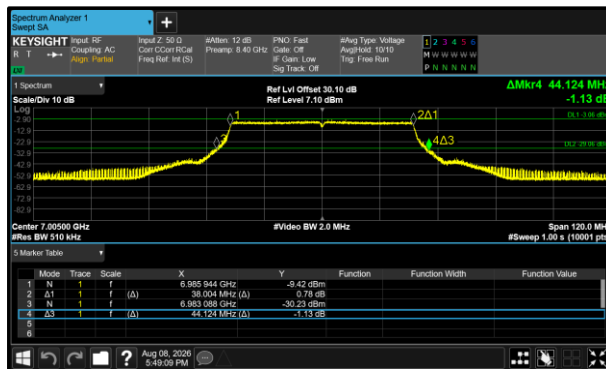


Figure 19 - 802.11ax HE40 SU VLP Minimum 26 dB EBW

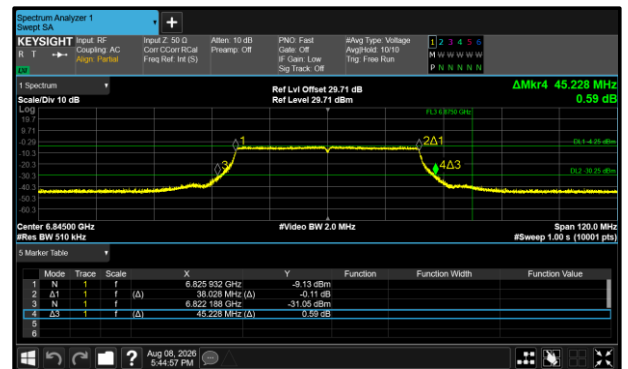


Figure 20 - 802.11ax HE40 SU VLP Maximum 26 dB EBW

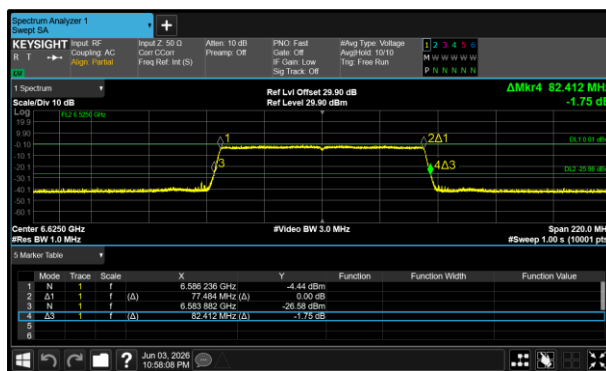


Figure 21 - 802.11ax HE80 SU VLP Minimum 26 dB EBW

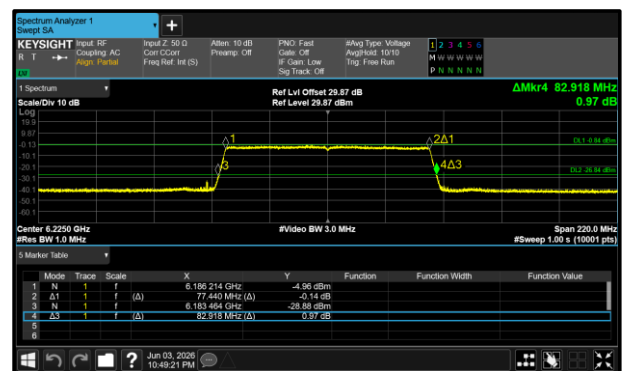


Figure 22 - 802.11ax HE80 SU VLP Maximum 26 dB EBW

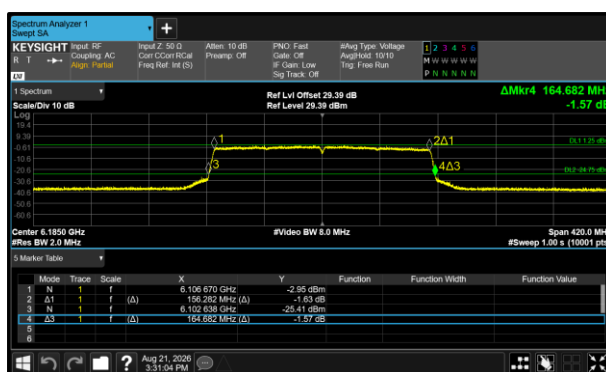


Figure 23 - 802.11ax HE160 SU VLP Minimum 26 dB EBW

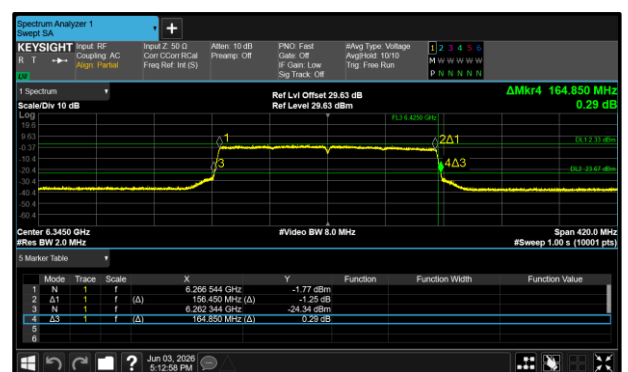


Figure 24 - 802.11ax HE160 SU VLP Maximum 26 dB EBW

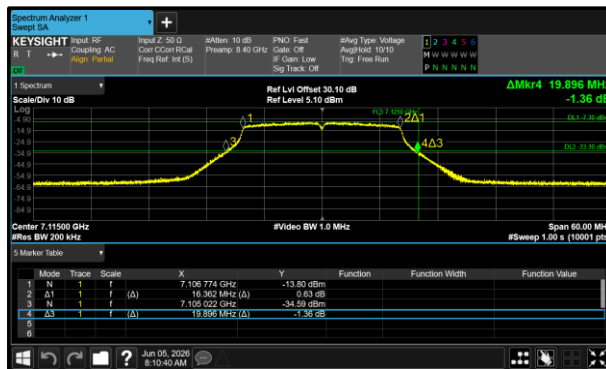


Figure 25 - 802.11a20 LPI Minimum 26 dB EBW

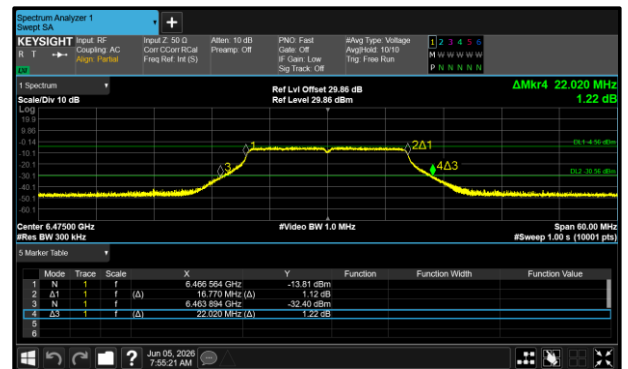


Figure 26 - 802.11a20 LPI Maximum 26 dB EBW

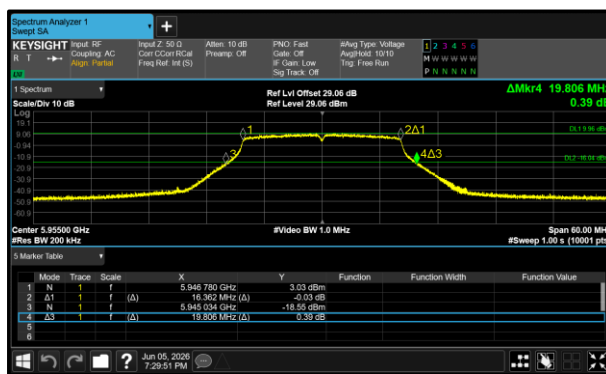


Figure 27 - 802.11a20 SP Minimum 26 dB EBW

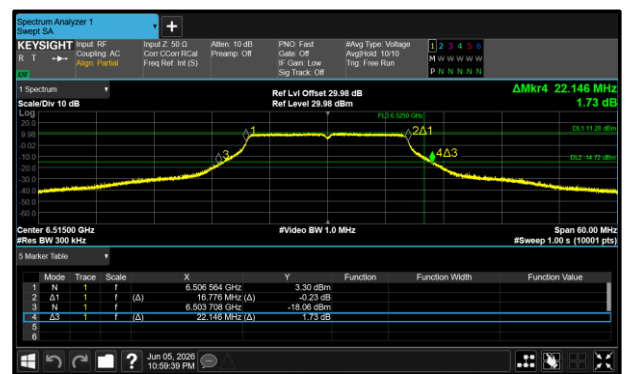


Figure 28 - 802.11a20 SP Maximum 26 dB EBW

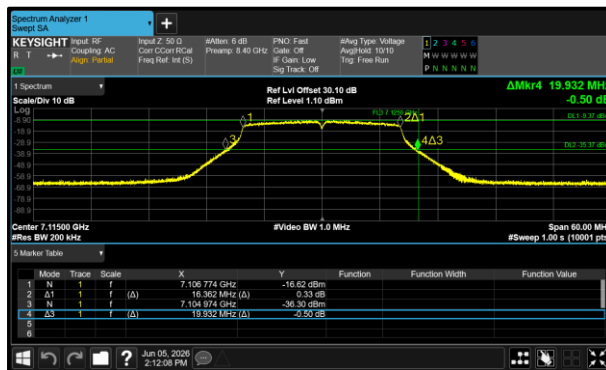


Figure 29 - 802.11a20 VLP Minimum 26 dB EBW

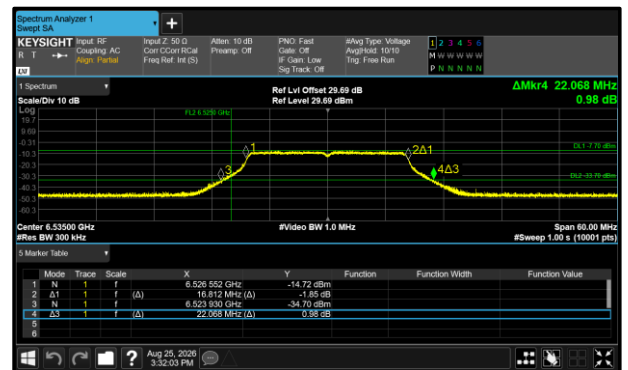


Figure 30 - 802.11a20 VLP Maximum 26 dB EBW

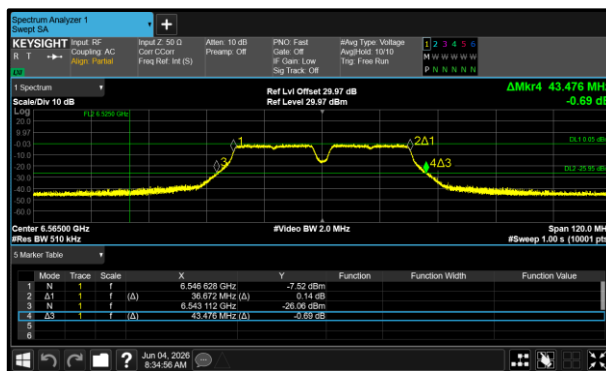


Figure 31 - 802.11a40 LPI Minimum 26 dB EBW

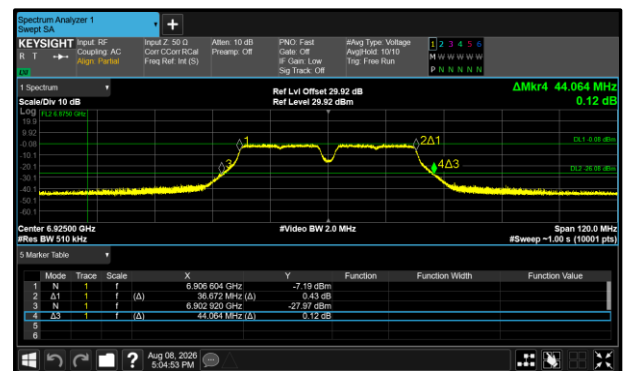


Figure 32 - 802.11a40 LPI Maximum 26 dB EBW

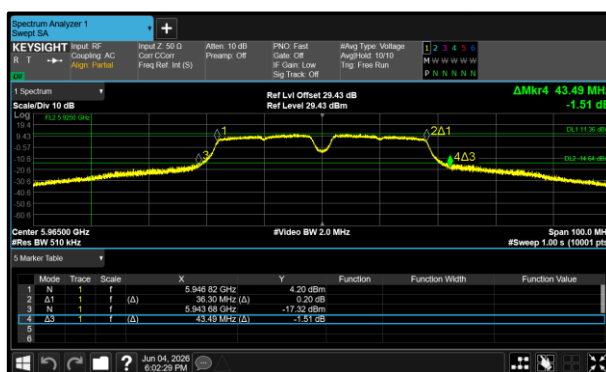


Figure 33 - 802.11a40 SP Minimum 26 dB EBW

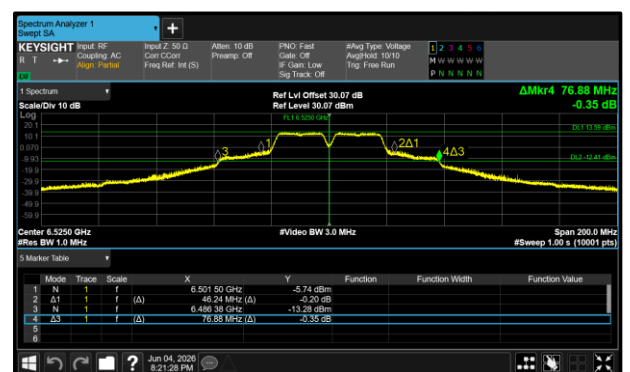


Figure 34 - 802.11a40 SP Maximum 26 dB EBW

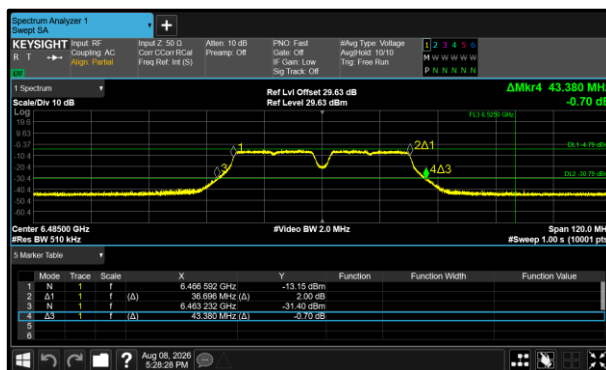


Figure 35 - 802.11a40 VLP Minimum 26 dB EBW

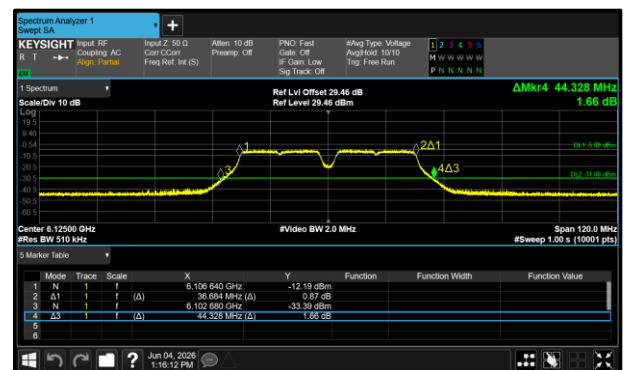
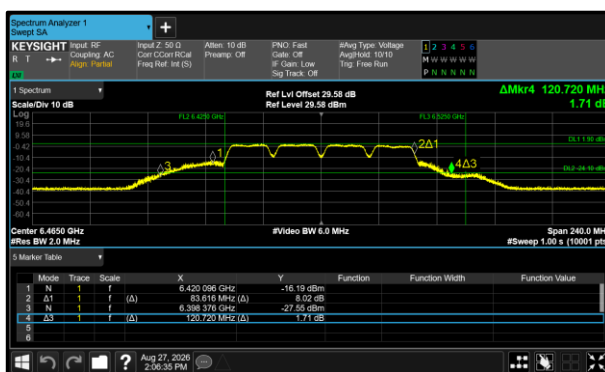
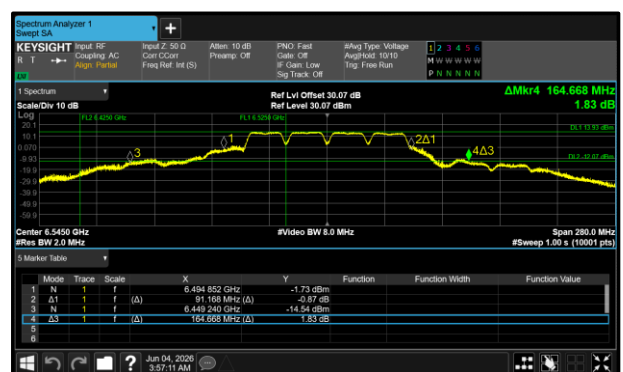
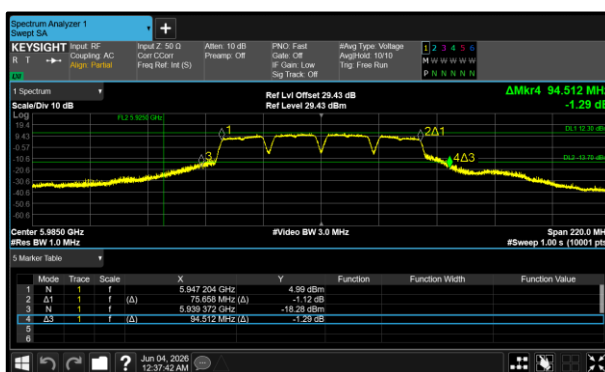
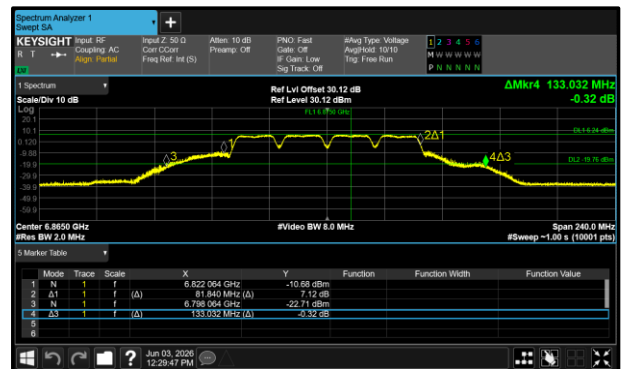
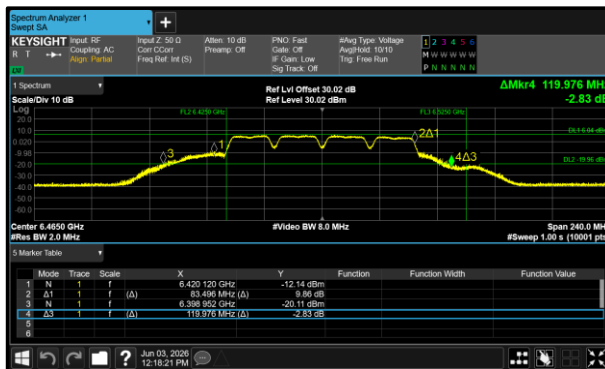


Figure 36 - 802.11a40 VLP Maximum 26 dB EBW



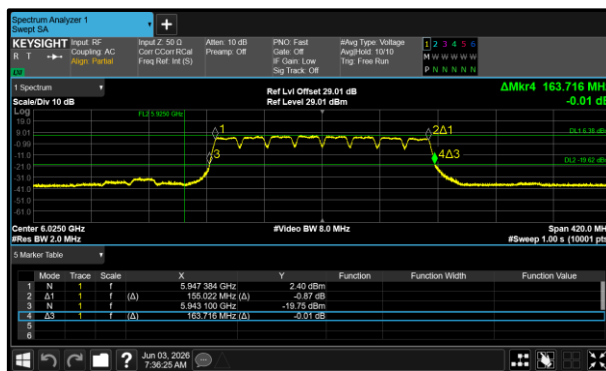


Figure 43 - 802.11a160 LPI Minimum 26 dB EBW

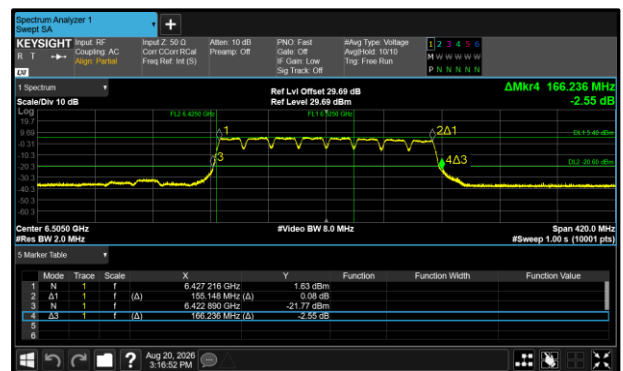


Figure 44 - 802.11a160 LPI Maximum 26 dB EBW

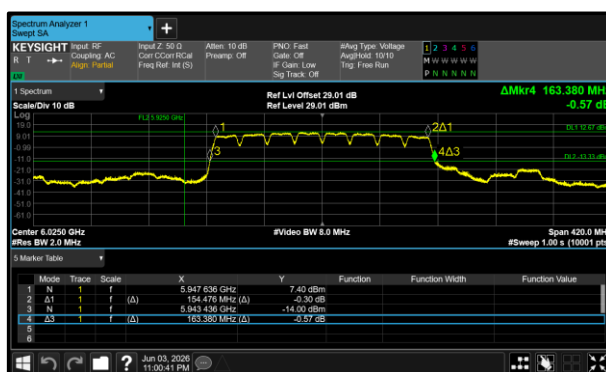


Figure 45 - 802.11a160 SP Minimum 26 dB EBW

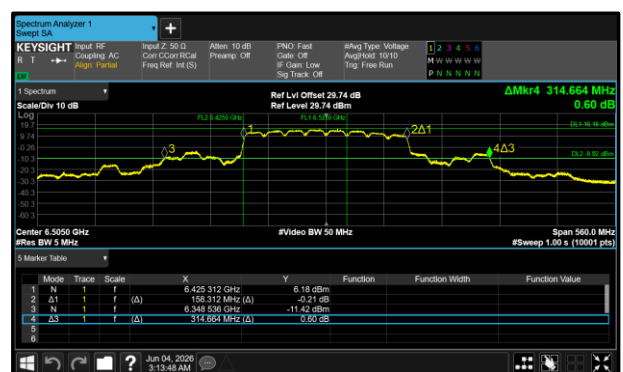


Figure 46 - 802.11a160 SP Maximum 26 dB EBW

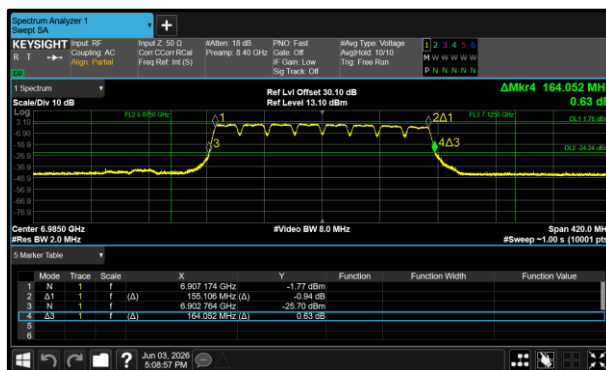


Figure 47 - 802.11a160 VLP Minimum 26 dB
EBW

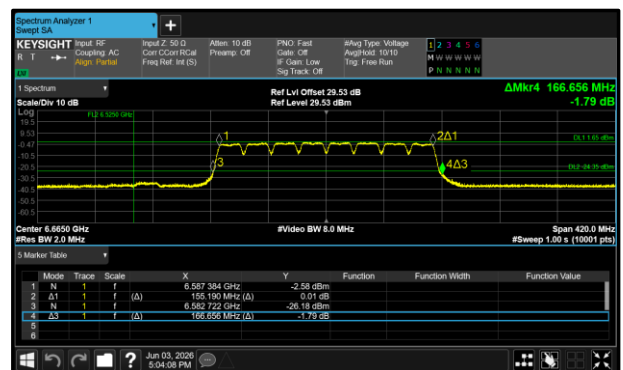


Figure 48 - 802.11a160 VLP Maximum 26 dB
EBW

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11ax HE20 SU LPI	19.062	19.086
802.11ax HE40 SU LPI	38.004	38.040
802.11ax HE80 SU LPI	77.396	77.506
802.11ax HE160 SU LPI	156.240	156.408
802.11ax HE20 SU SP	18.810	19.086
802.11ax HE40 SU SP	37.608	38.052
802.11ax HE80 SU SP	76.692	77.572
802.11ax HE160 SU SP	155.484	155.988
802.11ax HE20 SU VLP	19.044	19.086
802.11ax HE40 SU VLP	38.004	38.064
802.11ax HE80 SU VLP	77.396	77.506
802.11ax HE160 SU VLP	156.282	156.450
802.11a20 LPI	16.362	16.788
802.11a20 SP	16.362	16.800
802.11a20 VLP	16.362	16.812
802.11a40 LPI	36.660	36.696
802.11a40 SP	36.300	46.680
802.11a40 VLP	36.672	36.708
802.11a80 LPI	80.568	83.668
802.11a80 SP	75.658	91.168
802.11a80 VLP	81.048	83.976
802.11a160 LPI	155.022	155.190
802.11a160 SP	154.476	158.652
802.11a160 VLP	155.064	155.190

Table 10 - 99% Bandwidth Summary Results – SISO (Core 0)

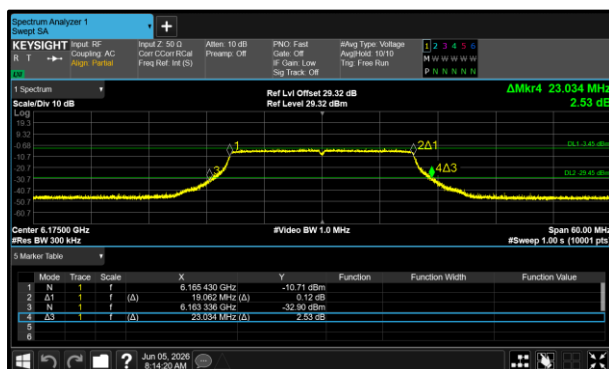


Figure 49 - 802.11ax HE20 SU LPI Minimum 99% OBW

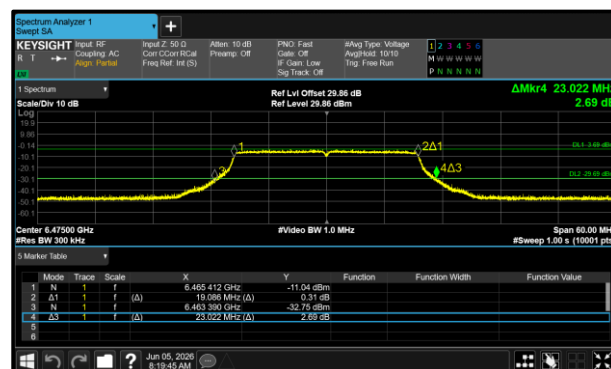


Figure 50 - 802.11ax HE20 SU LPI Maximum 99% OBW

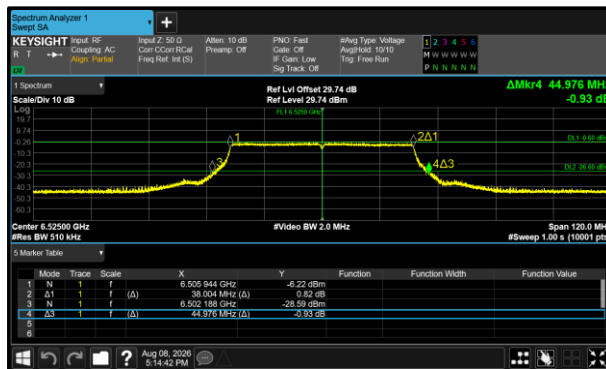


Figure 51 - 802.11ax HE40 SU LPI Minimum 99% OBW

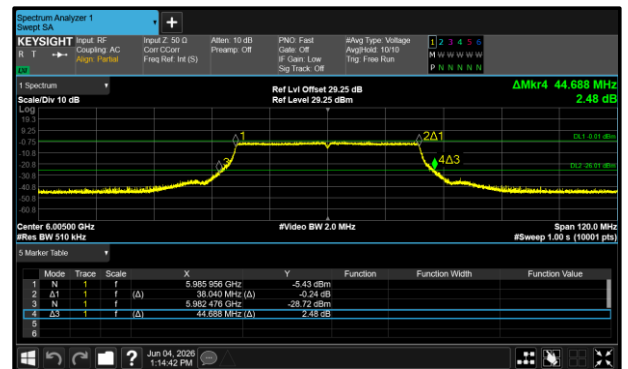


Figure 52 - 802.11ax HE40 SU LPI Maximum 99% OBW

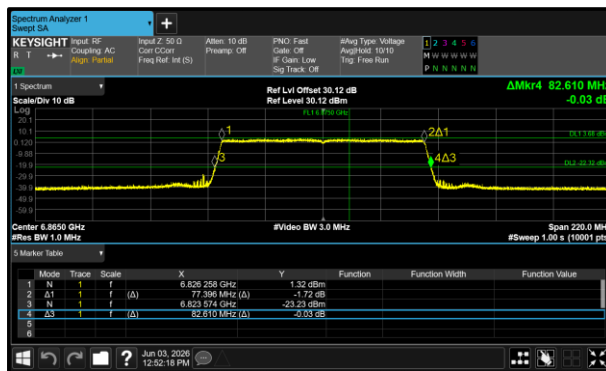


Figure 53 - 802.11ax HE80 SU LPI Minimum 99% OBW

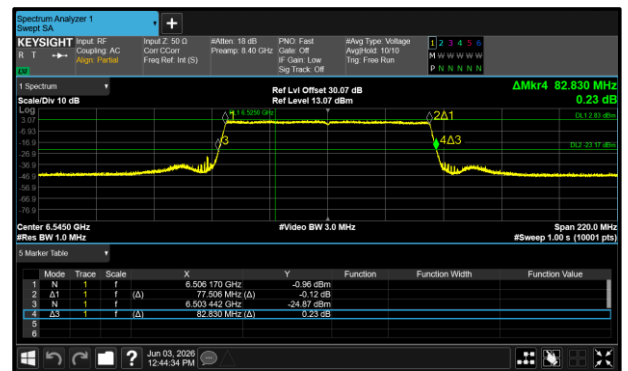


Figure 54 - 802.11ax HE80 SU LPI Maximum 99% OBW

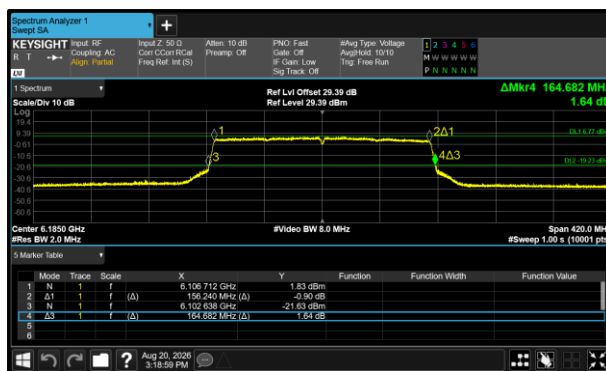


Figure 55 - 802.11ax HE160 SU LPI Minimum 99% OBW

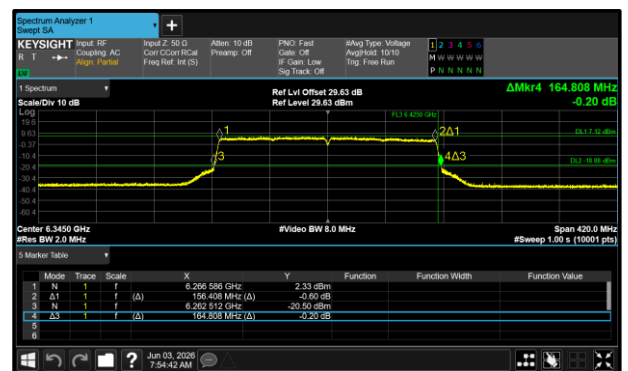


Figure 56 - 802.11ax HE160 SU LPI Maximum 99% OBW

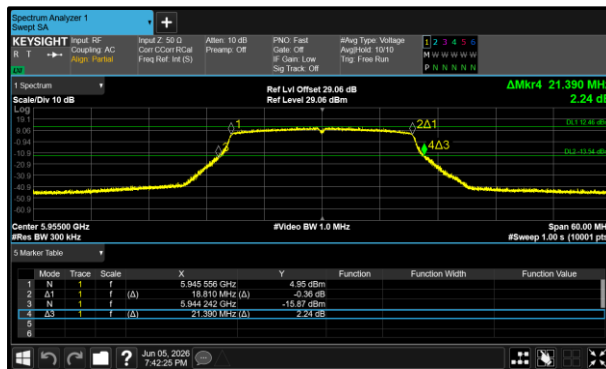


Figure 57 - 802.11ax HE20 SU SP Minimum 99% OBW

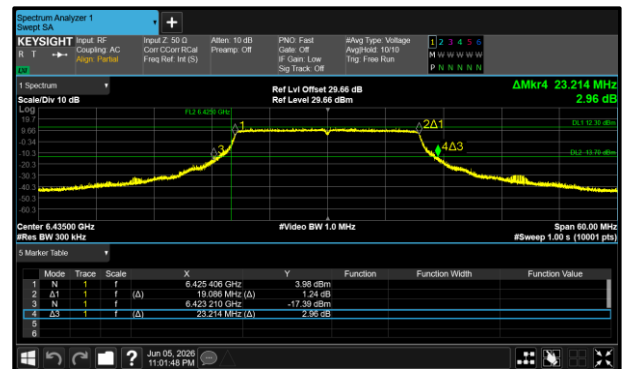


Figure 58 - 802.11ax HE20 SU SP Maximum 99% OBW

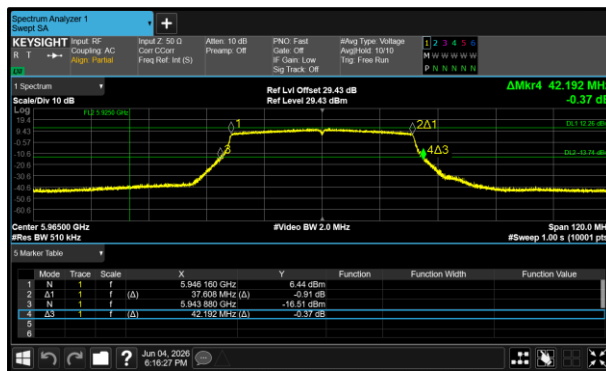


Figure 59 - 802.11ax HE40 SU SP Minimum 99% OBW

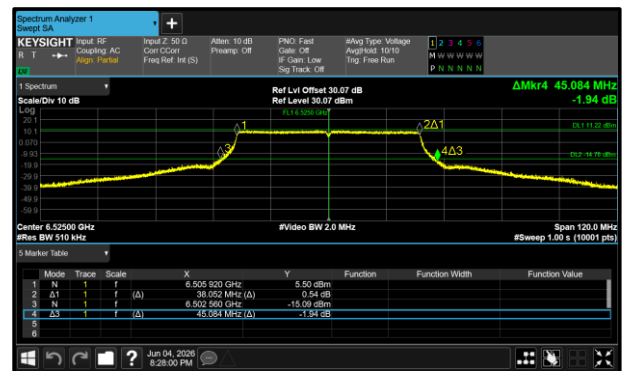


Figure 60 - 802.11ax HE40 SU SP Maximum 99% OBW

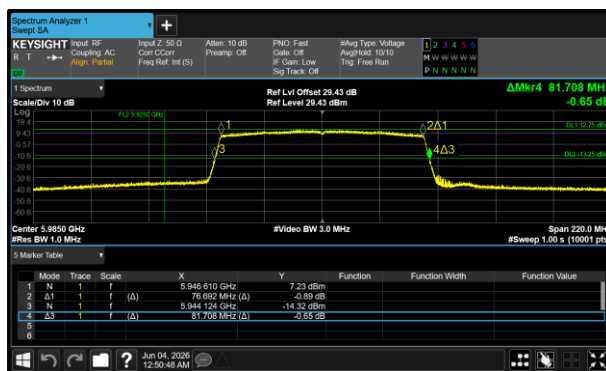


Figure 61 - 802.11ax HE80 SU SP Minimum 99% OBW

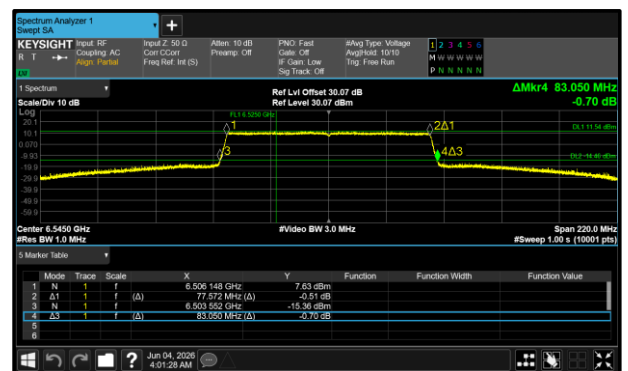


Figure 62 - 802.11ax HE80 SU SP Maximum 99% OBW



Figure 63 - 802.11ax HE160 SU SP Minimum 99% OBW

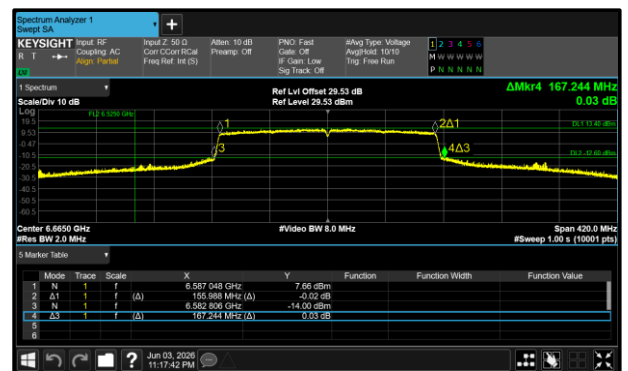


Figure 64 - 802.11ax HE160 SU SP Maximum 99% OBW

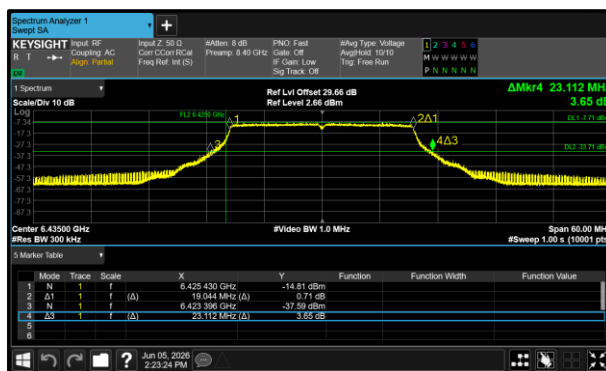


Figure 65 - 802.11ax HE20 SU VLP Minimum 99% OBW

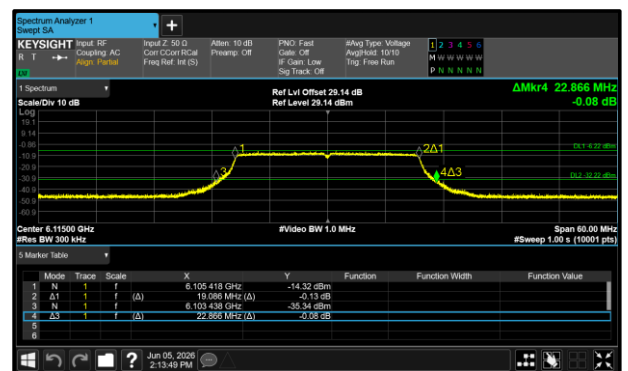


Figure 66 - 802.11ax HE20 SU VLP Maximum 99% OBW

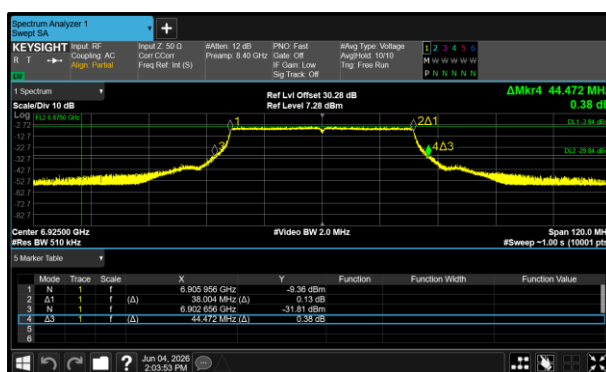


Figure 67 - 802.11ax HE40 SU VLP Minimum 99% OBW

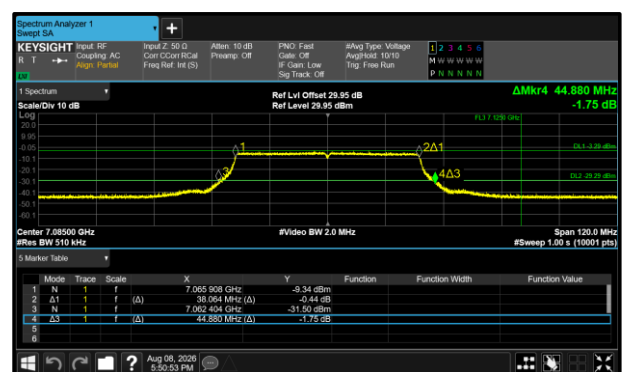


Figure 68 - 802.11ax HE40 SU VLP Maximum 99% OBW

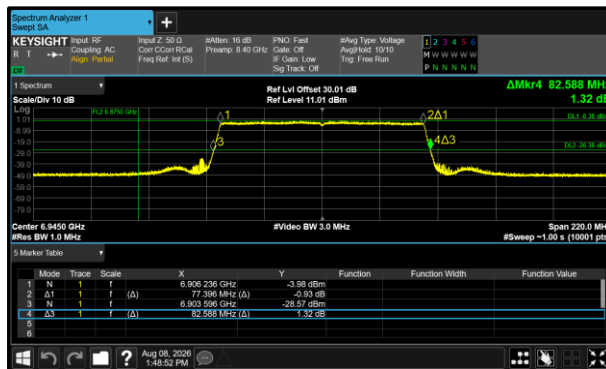


Figure 69 - 802.11ax HE80 SU VLP Minimum 99% OBW

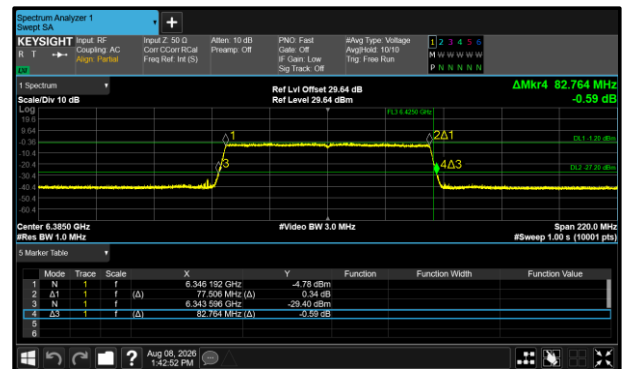


Figure 70 - 802.11ax HE80 SU VLP Maximum 99% OBW

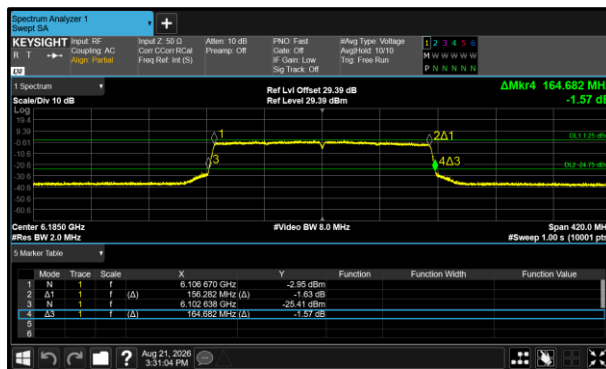


Figure 71 - 802.11ax HE160 SU VLP Minimum 99% OBW

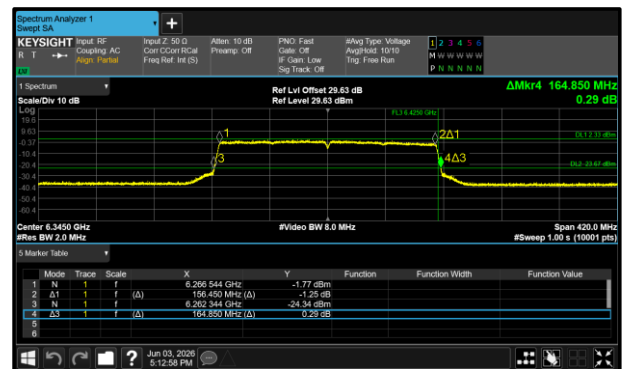


Figure 72 - 802.11ax HE160 SU VLP Maximum 99% OBW

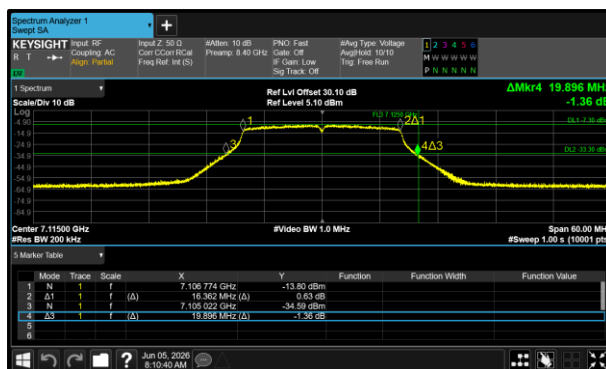


Figure 73 - 802.11a20 LPI Minimum 99% OBW

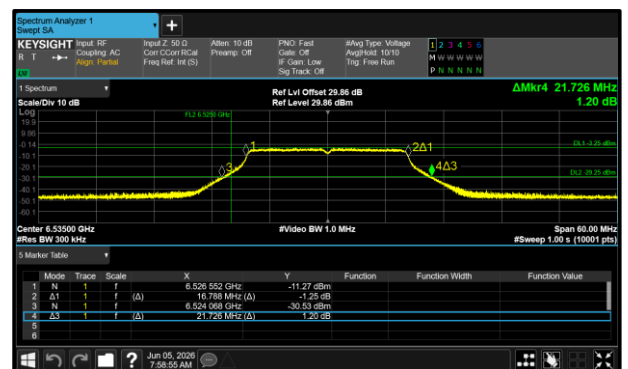


Figure 74 - 802.11a20 LPI Maximum 99% OBW

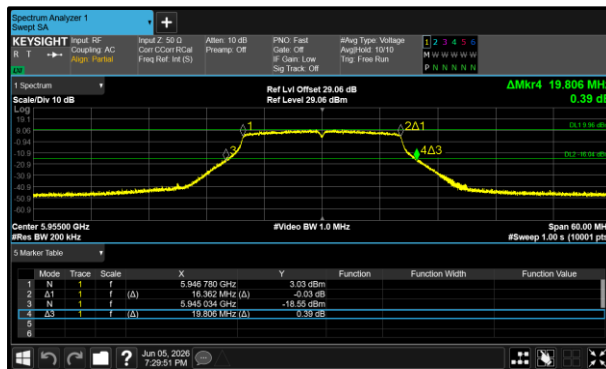


Figure 75 - 802.11a20 SP Minimum 99% OBW

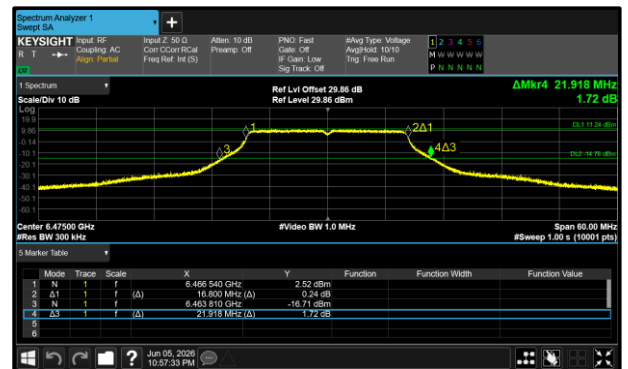


Figure 76 - 802.11a20 SP Maximum 99% OBW

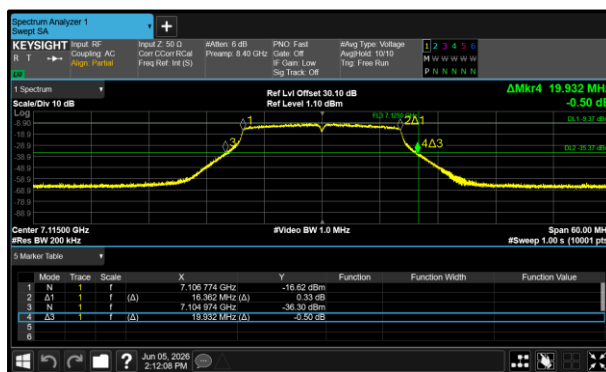


Figure 77 - 802.11a20 VLP Minimum 99% OBW

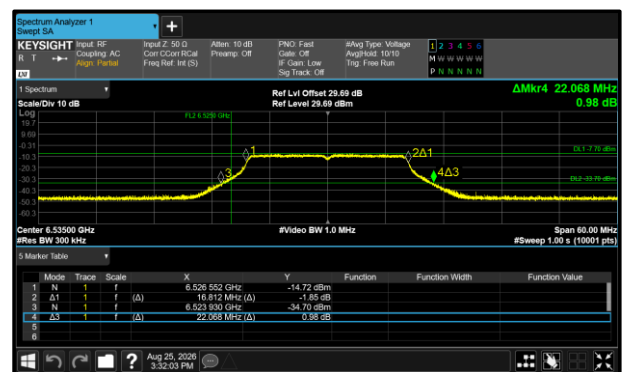


Figure 78 - 802.11a20 VLP Maximum 99% OBW

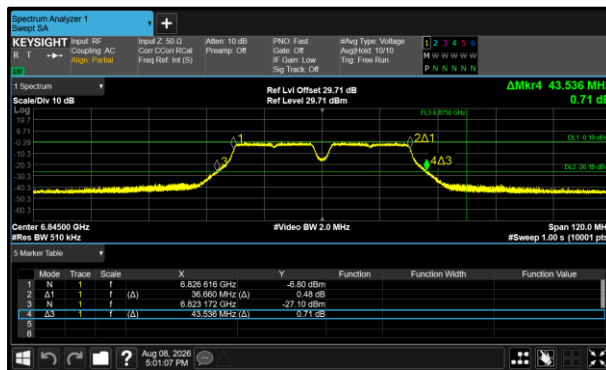


Figure 79 - 802.11a40 LPI Minimum 99% OBW

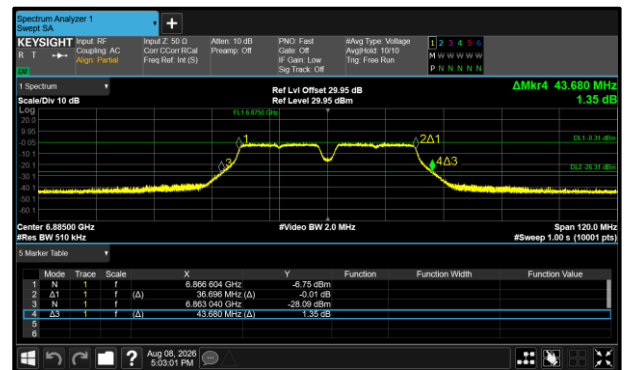


Figure 80 - 802.11a40 LPI Maximum 99% OBW