

FCC and ISED Test Report

Apple Inc
Model: A3114

In accordance with FCC 47 CFR Part 15E, ISED
RSS-247 and ISED RSS-GEN
(5 GHz WLAN)

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



Add value.
Inspire trust.

TUV SUD
Digitally signed by
TUV SUD
Date: 2024.01.03
16:14:39 Z

FCC ID: BCGA3114 IC: 579C-A3114

COMMERCIAL-IN-CONFIDENCE

Document 75959606-09 Issue 02

SIGNATURE			
NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Phillip Harrison	Chief Engineer	Authorised Signatory	03 January 2024

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-247 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	03 January 2024	

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-247: Issue 2 (2017-02) and ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02) for the tests detailed in section 1.3.



DISCLAIMER AND COPYRIGHT

This non-binding report has been prepared by TÜV SÜD with all reasonable skill and care. The document is confidential to the potential Client and TÜV SÜD. No part of this document may be reproduced without the prior written approval of TÜV SÜD. © 2024 TÜV SÜD. This report relates only to the actual item/items tested.

ACCREDITATION

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation.

Results of tests not covered by our UKAS Accreditation Schedule are marked NUA (Not UKAS Accredited). Results of tests covered by our Flexible UKAS Accreditation Schedule are marked FS (Flexible Scope).

TÜV SÜD
is a trading name of TÜV SÜD Ltd
Registered in Scotland at East Kilbride,
Glasgow G75 0QF, United Kingdom
Registered number: SC215164

TÜV SÜD Ltd is a
TÜV SÜD Group Company

Phone: +44 (0) 1489 558100
Fax: +44 (0) 1489 558101
www.tuvsud.com/en

TÜV SÜD
Octagon House
Concorde Way
Fareham
Hampshire PO15 5RL
United Kingdom



Contents

1 Report Summary2

1.1 Report Modification Record.....2

1.2 Introduction.....2

1.3 Brief Summary of Results3

1.4 Product Information4

1.5 Deviations from the Standard.....5

1.6 EUT Modification Record6

1.7 Test Location7

2 Test Details8

2.1 Restricted Band Edges.....8

2.2 Emission Bandwidth 147

2.3 Maximum Conducted Output Power 280

2.4 Maximum Conducted Power Spectral Density 408

2.5 Authorised Band Edges 530

2.6 Spurious Radiated Emissions 693

2.7 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period 732

3 Measurement Uncertainty 743



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	15 November 2023
2	Updated Sections 2.1, 2.2, 2.3, 2.4 and 2.5	03 January 2024

Table 1

1.2 Introduction

Applicant	Apple Inc
Manufacturer	Apple Inc
Model Number(s)	A3114
Serial Number(s)	DX1XKC7N34, D93J4WJ66Y, DJJV23F6C5, F913QPYWR6, FWT64GMGVG, W5YWRJQHX1, D2PK6WMH20, H7CF7HR6C2 and CR206XRQVR
Hardware Version(s)	REV 1.0
Software Version(s)	23A32771a, 23A32771a, 23B40a, 23A32771a, a23A32771a, 23C30050n, 23C30050n, 23C30050n and 23B40a
Number of Samples Tested	9
Test Specification/Issue/Date	FCC 47 CFR Part 15E: 2021 ISED RSS-247: Issue 2 (2017-02) ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02)
Start of Test	25-September-2023
Finish of Test	15-December-2023
Name of Engineer(s)	Akhil Rajendran Bhaskaran Nair, Colin Brain, Jamal Imoro Abubakar, James Woods, Michael Evans, Morsalin Hossain, Tony Baby, Vineeth Nagaraj, Mahmud Chowdhury, Feda Hussein, Jayvir Makwana, Mustafa Murad, Ahmed Al Derdiri, Nicolae Mihailiuc and Stefan Gilfedder
Related Document(s)	ANSI C63.10 (2013) ANSI C63.10 (2020) KDB 662911 D01 v02r01 KDB 789033 D02 v02r01 KDB 905462 D02 v02 KDB 905462 D03 v01r02



1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15E, ISSED RSS-247 and ISSED RSS-GEN is shown below.

Section	Specification Clause			Test Description	Result	Comments/Base Standard
	Part 15E	RSS-247	RSS-GEN			
Configuration and Mode: 5 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	15.205	3.3	8.10	Restricted Band Edges	Pass	
2.2	15.407 (a)	6.2	-	Emission Bandwidth	Pass	
2.3	15.407 (a)	6.2	-	Maximum Conducted Output Power	Pass	ANSI C63.10 (2020) KDB 662911 D01 v02r01 ANSI C63.10 (2013)
2.4	15.407 (a)	6.2	-	Maximum Conducted Power Spectral Density	Pass	ANSI C63.10 (2020) KDB 662911 D01 v02r01 ANSI C63.10 (2013)
2.5	15.407 (b)	6.2	-	Authorised Band Edges	Pass	ANSI C63.10 (2020) ANSI C63.10 (2013)
2.6	15.209 and 15.407 (b)	6.2	6.13 and 8.9	Spurious Radiated Emissions	Pass	ANSI C63.10 (2020) ANSI C63.10 (2013)
2.7	15.407 (h)(2)(iii)(iv)	6.3.2(c)(d)(e)	-	Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period	Pass	KDB 905462 D02 v02 KDB 905462 D03 v01r02

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 5 GHz 802.11 radio supported Single Input/Single Output (SISO) and 2x2 Multiple Input/Multiple Output (MIMO) modes. 802.11a supports 20 MHz bandwidth only. 802.11n supports 20 MHz and 40 MHz bandwidths and 802.11ac and ax support 20 MHz, 40 MHz, 80 MHz & 160 MHz bandwidths.

802.11a mode supports SISO operation only. 802.11n, ac and ax support SISO, Cyclic Delay Diversity (CDD) and Space Division Multiplexing (SDM). 802.11n and ac also additionally support Transmit Beamforming (TxBF) mode for 20 MHz, 40 MHz and 80 MHz operation. The EUT supports 802.11ax Single User (SU) and Multi-User (MU) with all Resource Unit (RU) sizes from 52 subcarriers, up to the maximum allowed, dependent on channel bandwidth. Additionally, RU-26 is supported in U-NII-1 and U-NII-3.

The EUT uses different output powers dependent on how many cores are active. 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.

US and CA country codes changed the power table used for U-NII band 1. Therefore U-NII-1 channels were tested using both power settings for each country's respective limits.

Band edge testing was performed in all modes with multiple modulation types, with only the worst-case reported. After band edge and additional preliminary investigations were performed to find worst-case operation, the EUT was tested in the following supported transmit modes:

SISO Modes (Core 0: U-NII-2C & 3 / Core 1: U-NII-1 & 2A):

- 802.11a – 12 Mbps
- 802.11n HT20 – MCS2
- 802.11n HT40 – MCS2
- 802.11ac VHT80 – MCS2x1
- 802.11ac VHT160 – MCS2x1
- 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-1 / 2A / 2C / 3):

- 802.11n/ac (V)HT20 - CDD (MCS2), SDM (MCS10) and TxBF (MCS2x1)
- 802.11n/ac (V)HT40 - CDD (MCS2), SDM (MCS10) and TxBF (MCS2x1)
- 802.11ac VHT80 – CDD (MCS2x1), SDM (MCS2x2) and TxBF (MCS2x1)
- 802.11ac VHT160 – CDD (MCS2x1) and SDM (MCS2x2)
- 802.11ax HE20 SU – CDD (MCS2x1) and SDM (MCS2x2)
- 802.11ax HE40 SU – CDD (MCS2x1) and SDM (MCS2x2*)
- 802.11ax HE80 SU – CDD (MCS2x1) and SDM (MCS2x2)
- 802.11ax HE160 SU – CDD (MCS2x1) and SDM (MCS2x2)
- 802.11ax HE20 MU RU26/52/106 – CDD (MCS2x1) and SDM (MCS2x2)

* = except MCS4x2 worst-case for channel 102.



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 DFS 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 DFS 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	5150 to 5250	6.65	1.1
	5250 to 5350	6.57	1.1
	5470 to 5725	6.30	1.2
	5725 to 5850	5.13	1.2
Core 1	5150 to 5250	7.34	1.1
	5250 to 5350	6.81	1.1
	5470 to 5725	4.94	1.2
	5725 to 5850	5.08	1.2

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: A3114, Serial Number: W5YWRJQHX1			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3114, Serial Number: D2PK6WMH20			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3114, Serial Number: H7CF7HR6C2			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3114, Serial Number: CR206XRQVR			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3114, Serial Number: FWT64GMGVG			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3114, Serial Number: DJJV23F6C5			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3114, Serial Number: F913QPYWR6			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3114, Serial Number: D93J4WJ66Y			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3114, Serial Number: DX1XKC7N34			
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: 5 GHz WLAN		
Restricted Band Edges	Akhil Rajendran Bhaskaran Nair, Colin Brain, Jamal Imoro Abubakar, James Woods, Michael Evans, Morsalin Hossain, Tony Baby and Vineeth Nagaraj	UKAS
Emission Bandwidth	Feda Hussein, Jayvir Makwana and Mustafa Murad	UKAS
Maximum Conducted Output Power	Feda Hussein and Jayvir Makwana	UKAS
Maximum Conducted Power Spectral Density	Feda Hussein and Jayvir Makwana	UKAS
Authorised Band Edges	Akhil Rajendran Bhaskaran Nair, Colin Brain, Jamal Imoro Abubakar, James Woods, Michael Evans, Morsalin Hossain, Tony Baby and Vineeth Nagaraj	UKAS
Spurious Radiated Emissions	Ahmed Al Derdiri, Jamal Imoro Abubakar, James Woods, Michael Evans, Nicolae Mihailiuc and Tony Baby	UKAS
Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period	Stefan Gilfedder	UKAS

Table 5

Office Address:

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



2 Test Details

2.1 Restricted Band Edges

2.1.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.205
ISED RSS-247, Clause 3.3
ISED RSS-GEN, Clause 8.10

2.1.2 Equipment Under Test and Modification State

A3114, S/N: W5YWRJQHX1 - Modification State 0
A3114, S/N: D2PK6WMH20 - Modification State 0
A3114, S/N: H7CF7HR6C2 - Modification State 0
A3114, S/N: CR206XRQVR - Modification State 0

2.1.3 Date of Test

03-December-2023 to 07-December-2023

2.1.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.10.5.

Restricted Band Edge measurements were performed with the device operating across the various SISO and MIMO modes supported by the device.

The measurements displayed within this report have been limited to those modes which have been shown to be worst case.

Further measurements are held on file by TÜV SÜD and are available if required.

2.1.5 Environmental Conditions

Ambient Temperature	20.4 - 23.4 °C
Relative Humidity	35.7 - 51.3 %



2.1.6 Test Results

5 GHz WLAN

20 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBuV/m)
802.11a	24 Mbps	-	-	5180	5150	62.84	49.82
802.11a	54 Mbps	-	-	5200	5150	58.61	46.45
802.11n HT20	MCS7	-	-	5180	5150	67.43	48.71
802.11n HT20	MCS7	-	-	5200	5150	59.29	46.43
802.11ax HE20	MCS2x1	SU	-	5180	5150	62.59	49.50
802.11ax HE20	MCS11x1	106	53	5180	5150	58.12	46.14
802.11ax HE20	MCS11x1	SU	-	5200	5150	64.76	46.69
802.11ax HE20	MCS11x1	106	53	5200	5150	56.44	44.49
802.11a	54 Mbps	-	-	5300	5350	58.45	46.33
802.11a	24 Mbps	-	-	5320	5350	65.91	51.37
802.11n HT20	MCS7	-	-	5300	5350	60.14	46.80
802.11n HT20	MCS4	-	-	5320	5350	65.65	50.94
802.11ax HE20	MCS11x1	SU	-	5300	5350	64.68	46.77
802.11ax HE20	MCS11x1	106	53	5300	5350	57.32	45.19
802.11ax HE20	MCS11x1	SU	-	5320	5350	69.15	50.46
802.11ax HE20	MCS11x1	106	54	5320	5350	56.25	44.66
802.11a	24 Mbps	-	-	5500	5460	63.67	47.56
802.11a	54 Mbps	-	-	5520	5460	59.97	46.57
802.11n HT20	MCS4	-	-	5500	5460	66.83	48.45
802.11n HT20	MCS7	-	-	5520	5460	62.38	47.09
802.11ax HE20	MCS11x1	SU	-	5500	5460	62.63	48.82
802.11ax HE20	MCS11x1	106	54	5500	5460	60.54	46.61
802.11ax HE20	MCS11x1	SU	-	5520	5460	62.73	45.81

Table 6 - SISO Restricted Band Edge Results

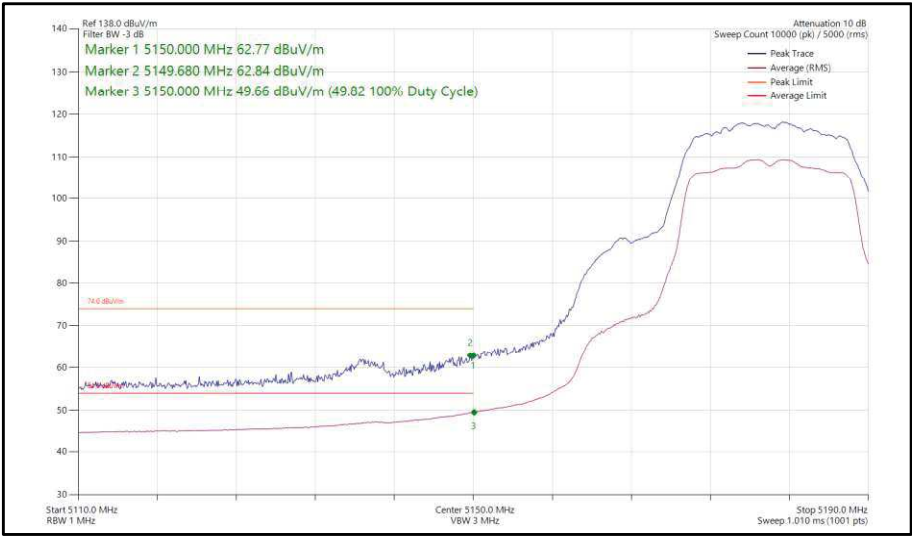


Figure 1 - 802.11a, SISO, Core 0 - 5180 MHz Band Edge Frequency 5150 MHz

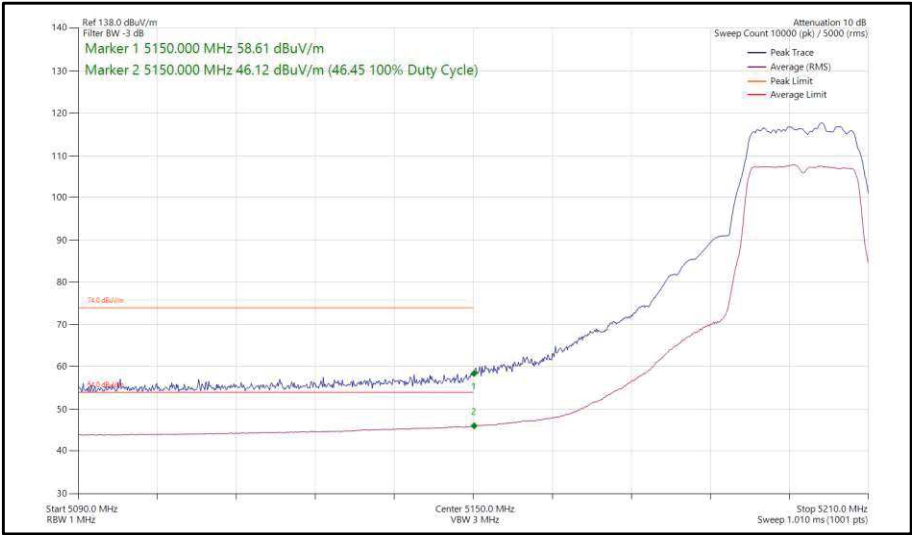


Figure 2 - 802.11a, SISO, Core 0 - 5200 MHz Band Edge Frequency 5150 MHz

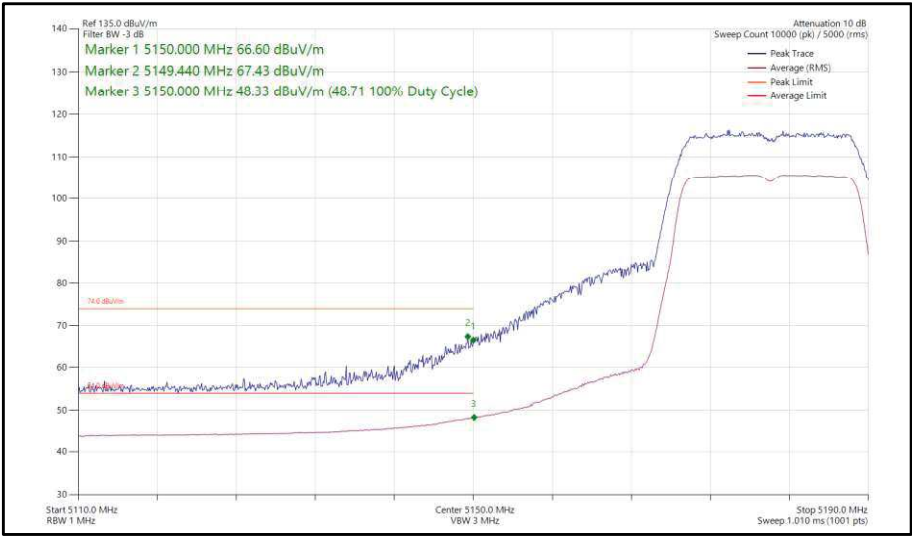


Figure 3 - 802.11n HT20, SISO, Core 0 - 5180 MHz Band Edge Frequency 5150 MHz

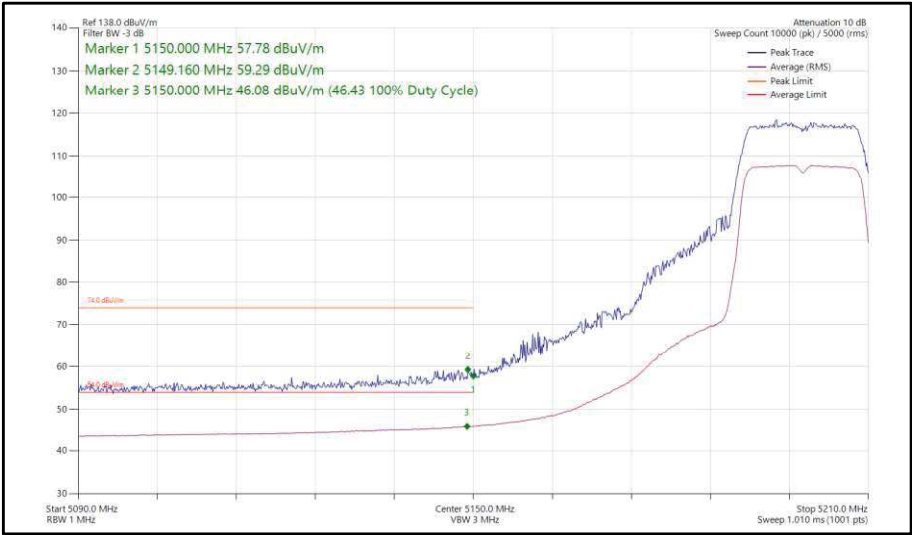


Figure 4 - 802.11n HT20, SISO, Core 0 - 5200 MHz Band Edge Frequency 5150 MHz

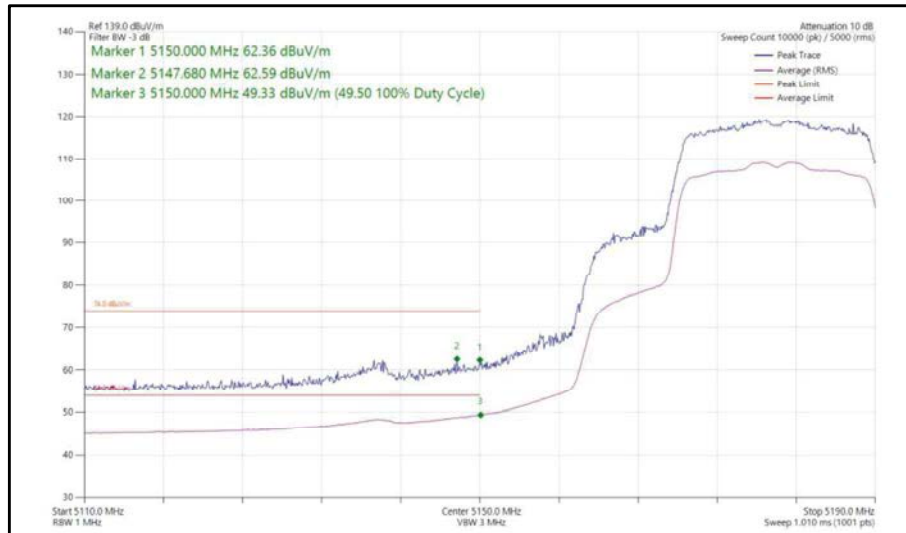


Figure 5 - 802.11ax HE20, SU, SISO, Core 0 - 5180 MHz Band Edge Frequency 5150 MHz

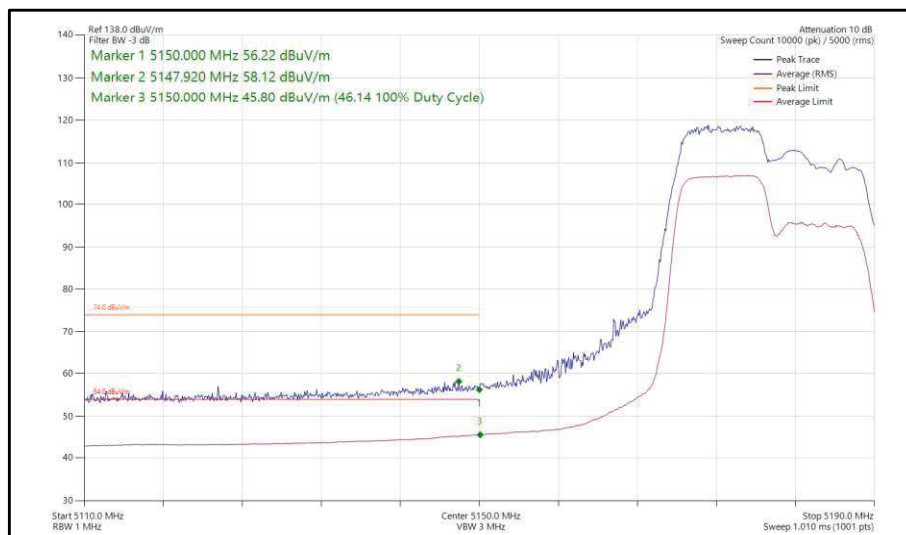


Figure 6 - 802.11ax HE20, RU 106-53, SISO, Core 0 - 5180 MHz Band Edge Frequency 5150 MHz

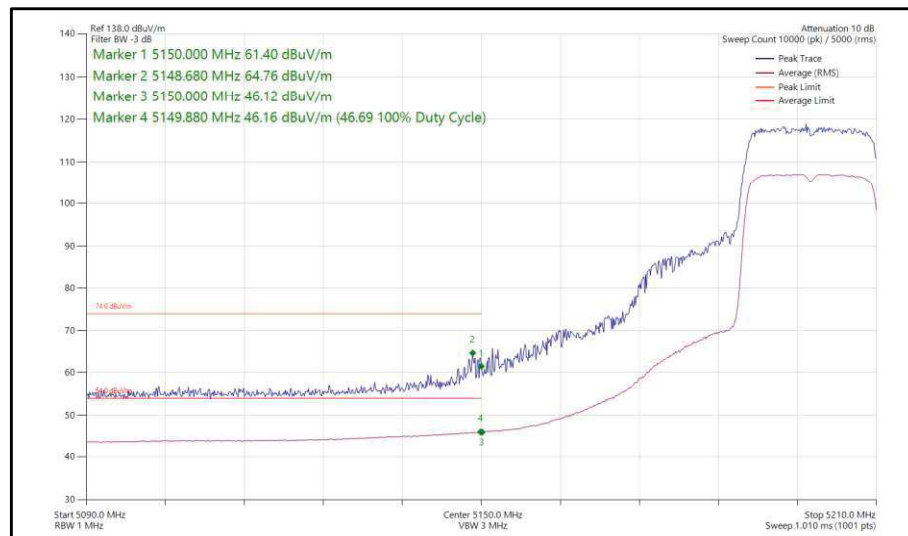


Figure 7 - 802.11ax HE20, SU, SISO, Core 0 - 5200 MHz Band Edge Frequency 5150 MHz

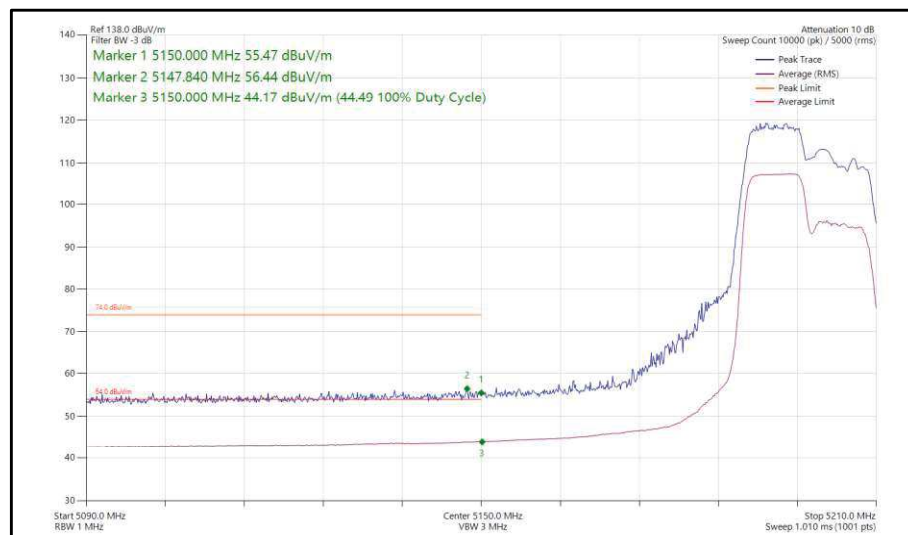


Figure 8 - 802.11ax HE20, RU 106-53, SISO, Core 0 - 5200 MHz Band Edge Frequency 5150 MHz

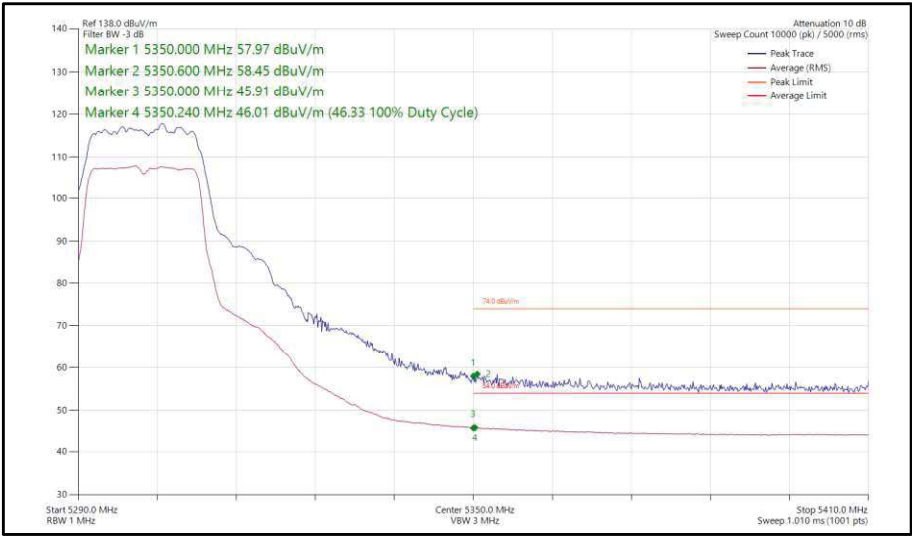


Figure 9 - 802.11a, SISO, Core 0 - 5300 MHz Band Edge Frequency 5350 MHz

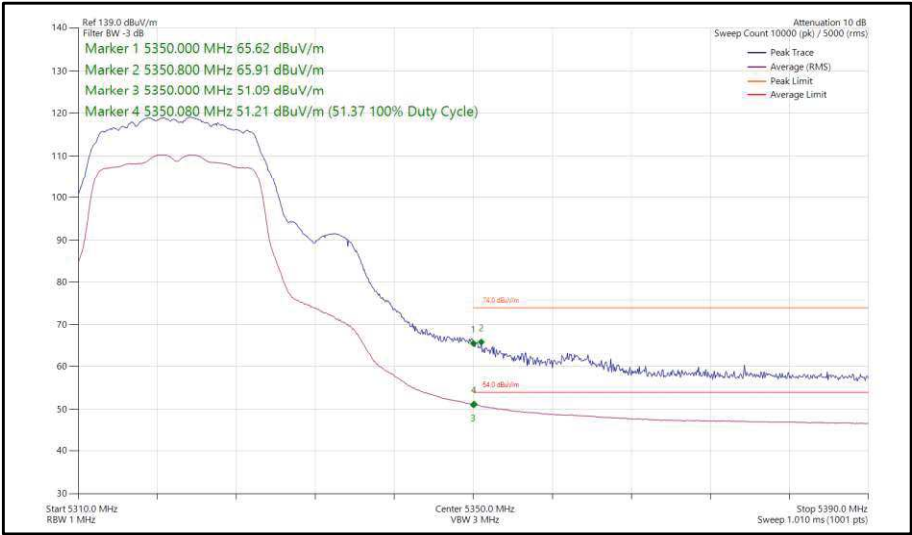


Figure 10 - 802.11a, SISO, Core 0 - 5320 MHz Band Edge Frequency 5350 MHz

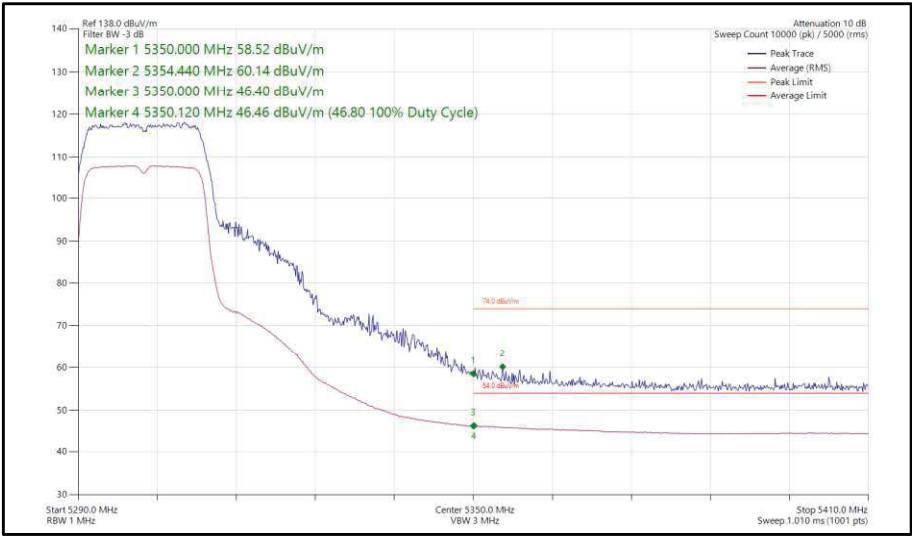


Figure 11 - 802.11n HT20, SISO, Core 0 - 5300 MHz Band Edge Frequency 5350 MHz

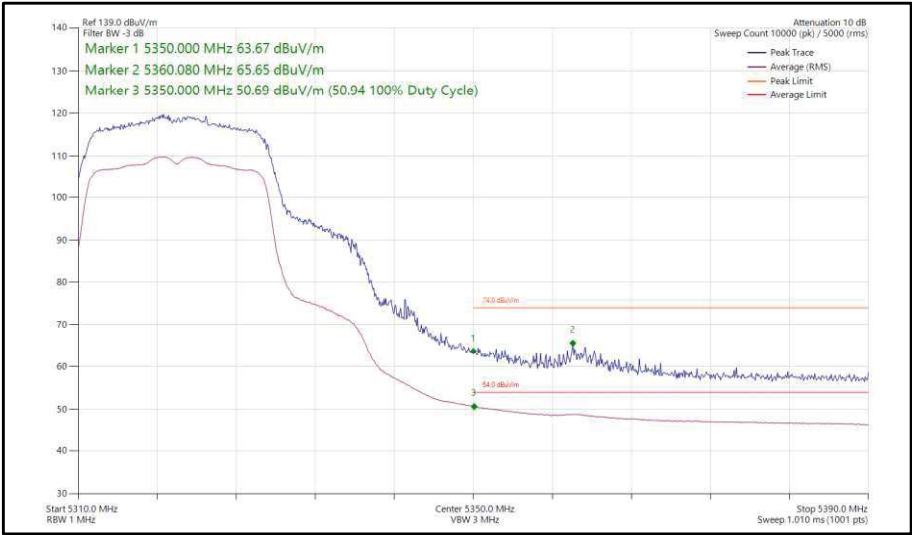


Figure 12 - 802.11n HT20, SISO, Core 0 - 5320 MHz Band Edge Frequency 5350 MHz

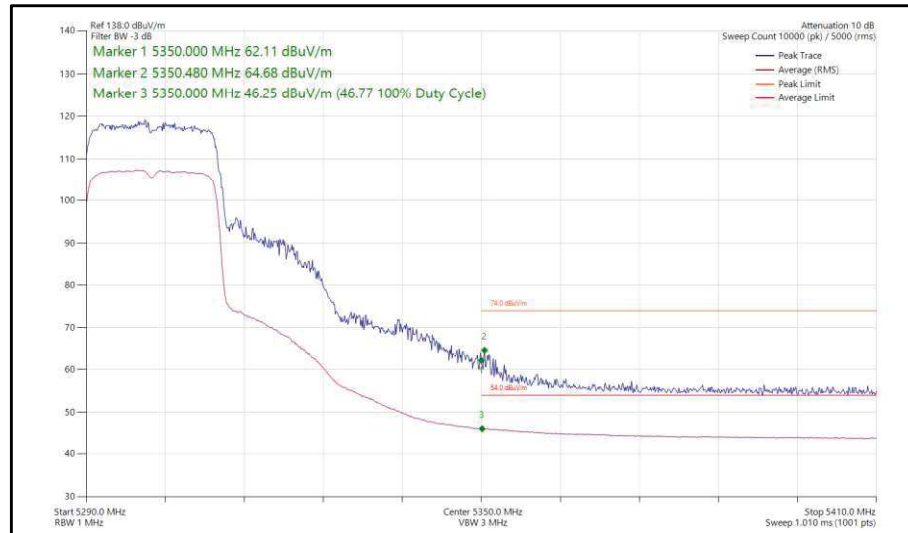


Figure 13 - 802.11ax HE20, SU, SISO, Core 0 - 5300 MHz Band Edge Frequency 5350 MHz

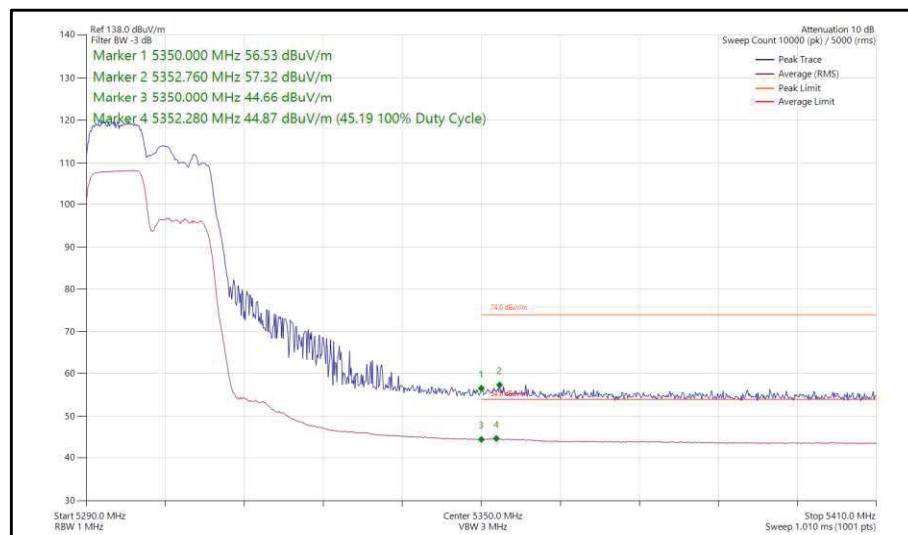


Figure 14 - 802.11ax HE20, RU 106-53, SISO, Core 0 - 5300 MHz Band Edge Frequency 5350 MHz

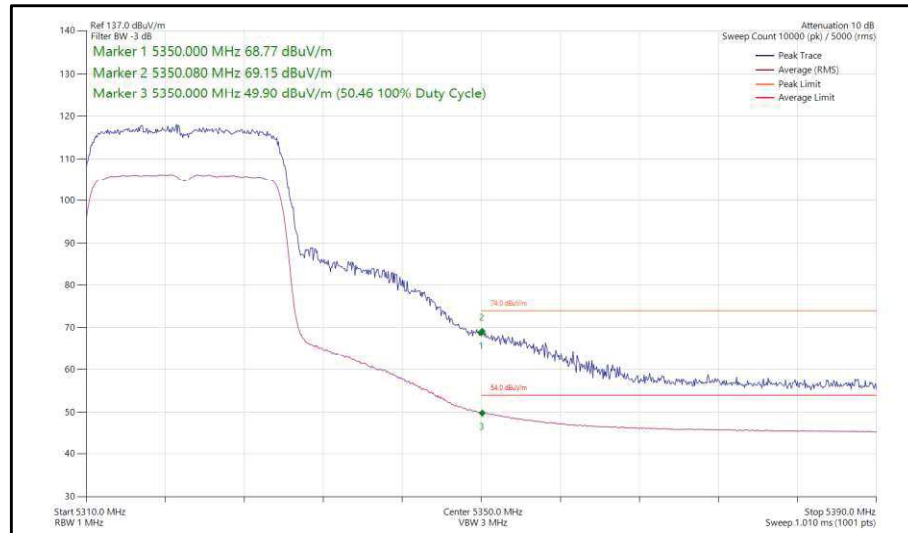


Figure 15 - 802.11ax HE20, SU, SISO, Core 0 - 5320 MHz Band Edge Frequency 5350 MHz

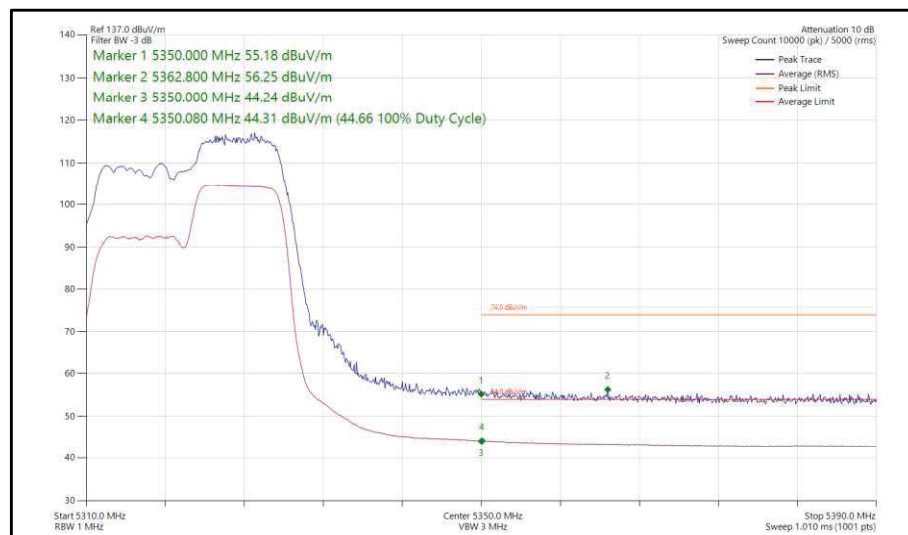


Figure 16 - 802.11ax HE20, RU 106-54, SISO, Core 0 - 5320 MHz Band Edge Frequency 5350 MHz

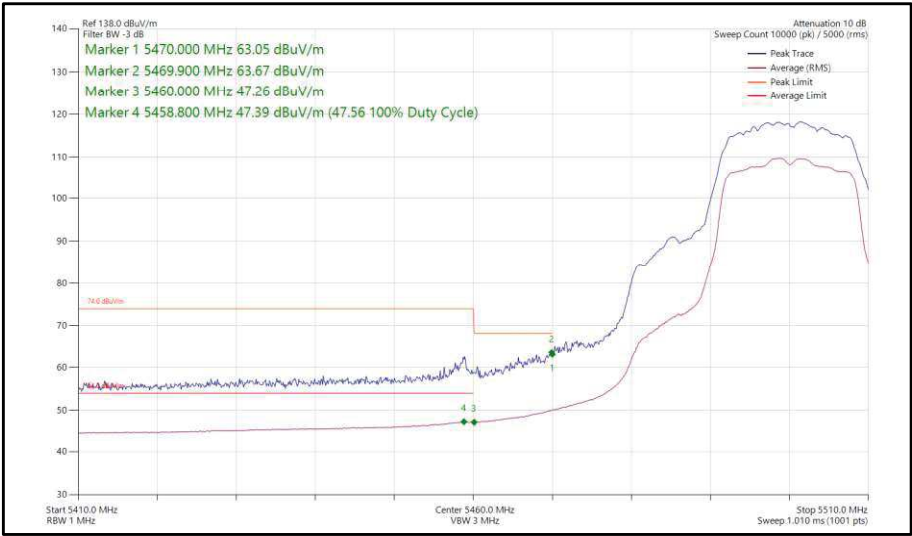


Figure 17 - 802.11a, SISO, Core 0 - 5500 MHz Band Edge Frequency 5460 MHz

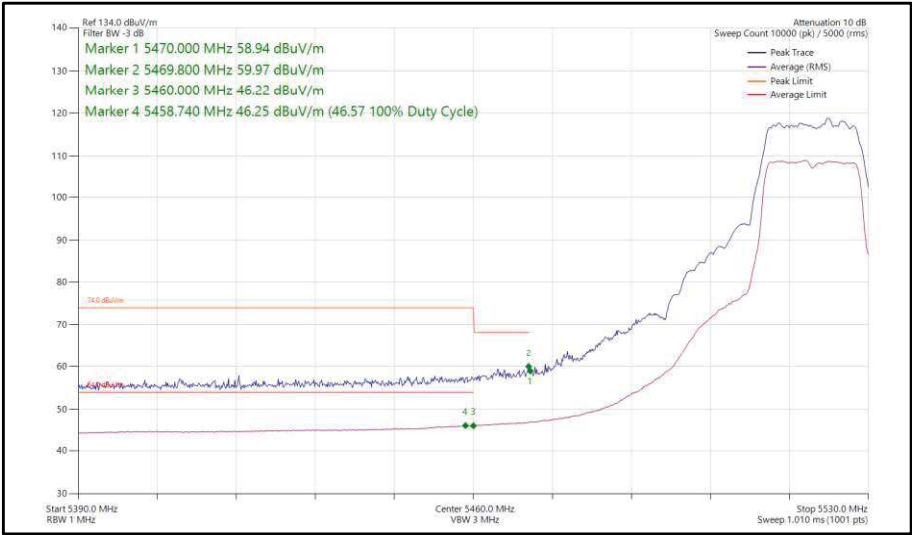


Figure 18 - 802.11a, SISO, Core 0 - 5520 MHz Band Edge Frequency 5460 MHz

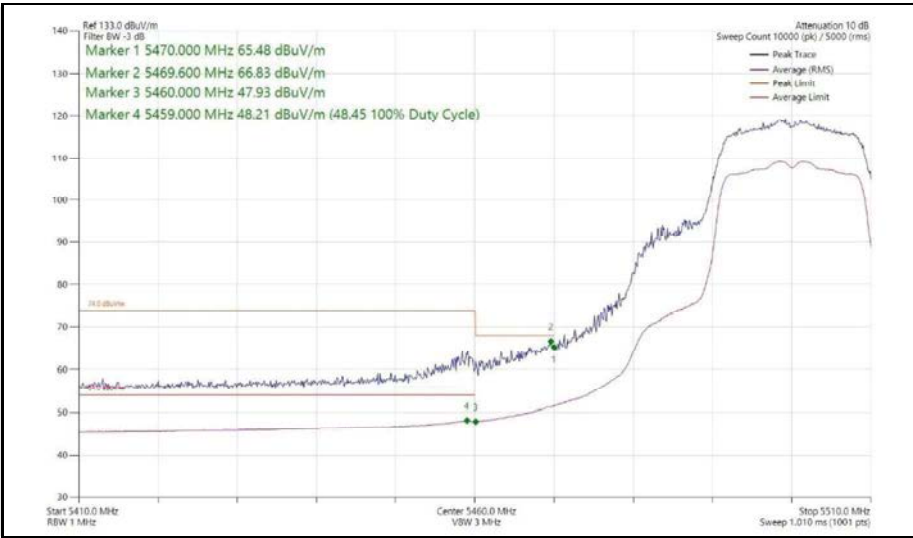


Figure 19 - 802.11n HT20, SISO, Core 0 - 5500 MHz Band Edge Frequency 5460 MHz

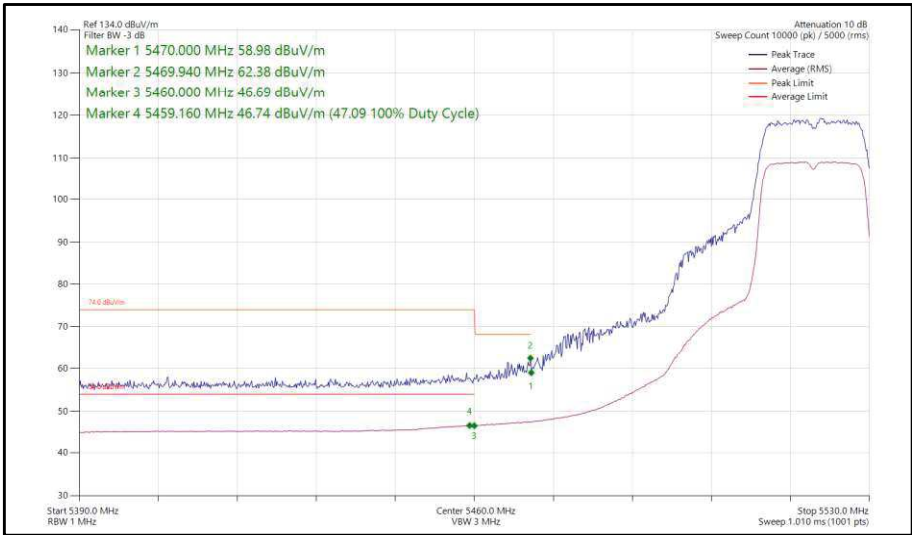


Figure 20 - 802.11n HT20, SISO, Core 0 - 5520 MHz Band Edge Frequency 5460 MHz

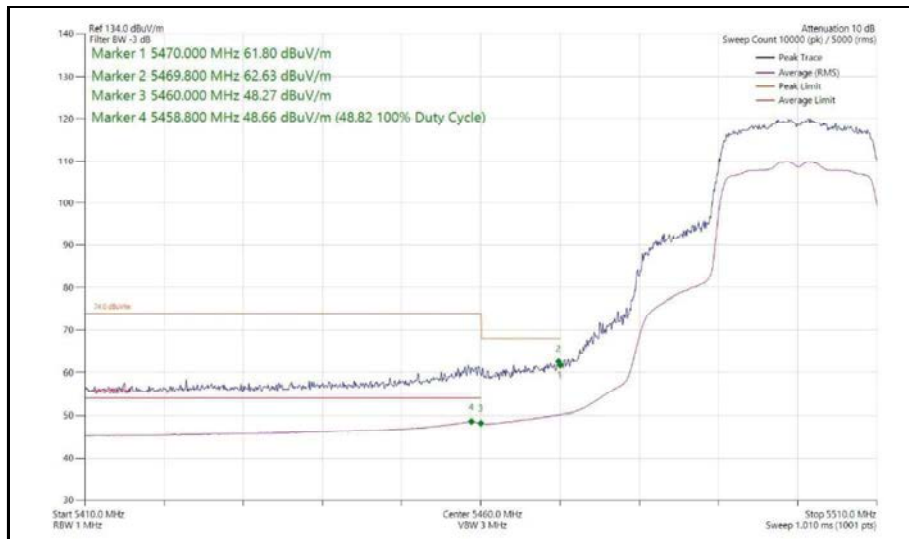


Figure 21 - 802.11ax HE20, SU, SISO, Core 0 - 5500 MHz Band Edge Frequency 5460 MHz

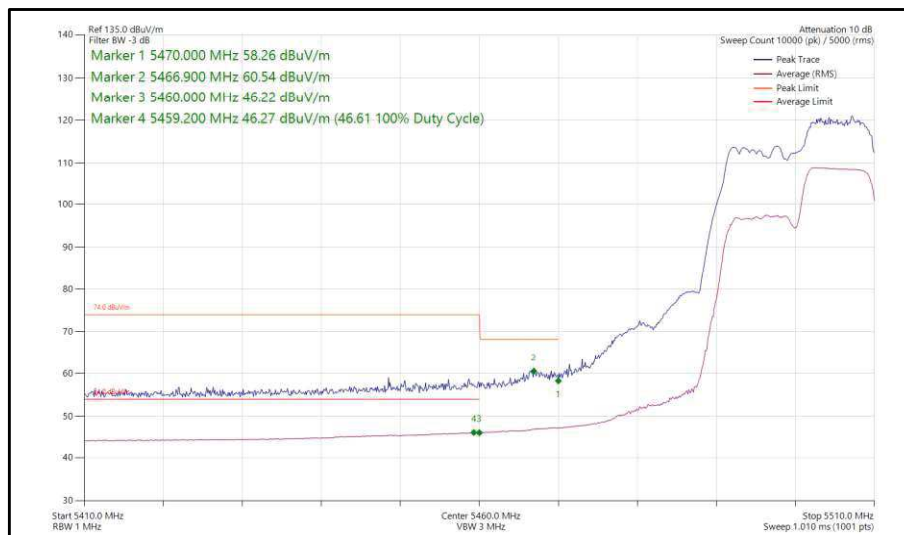


Figure 22 - 802.11ax HE20, RU 106-54, SISO, Core 0 - 5500 MHz Band Edge Frequency 5460 MHz

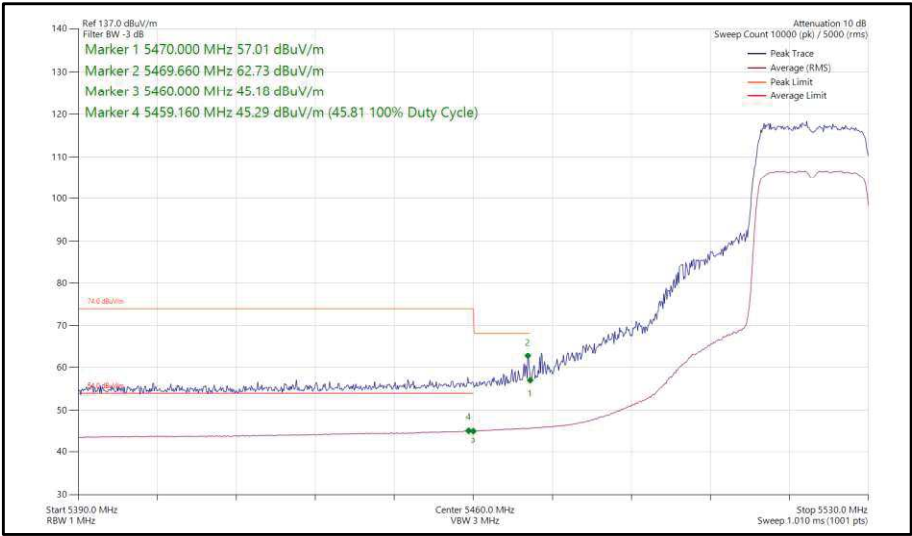


Figure 23 - 802.11ax HE20, SU, SISO, Core 0 - 5520 MHz Band Edge Frequency 5460 MHz



20 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11a	24 Mbps	-	-	5180	5150	63.09	49.83
802.11a	54 Mbps	-	-	5200	5150	57.78	46.27
802.11n HT20	MCS7	-	-	5180	5150	67.49	48.31
802.11n HT20	MCS7	-	-	5200	5150	59.35	46.19
802.11ax HE20	MCS11x1	SU	-	5180	5150	68.63	49.20
802.11ax HE20	MCS11x1	106	53	5180	5150	57.92	45.69
802.11ax HE20	MCS11x1	SU	-	5200	5150	64.46	46.38
802.11ax HE20	MCS11x1	106	53	5200	5150	56.60	44.66
802.11a	54 Mbps	-	-	5300	5350	57.71	45.47
802.11a	24 Mbps	-	-	5320	5350	61.89	48.54
802.11n HT20	MCS7	-	-	5300	5350	57.42	45.29
802.11n HT20	MCS4	-	-	5320	5350	63.47	48.54
802.11ax HE20	MCS11x1	SU	-	5300	5350	60.57	46.07
802.11ax HE20	MCS11x1	106	53	5300	5350	56.40	44.78
802.11ax HE20	MCS11x1	SU	-	5320	5350	67.76	48.36
802.11ax HE20	MCS11x1	106	53	5320	5350	55.56	43.96
802.11a	24 Mbps	-	-	5500	5460	62.87	47.09
802.11a	54 Mbps	-	-	5520	5460	58.52	46.52
802.11n HT20	MCS4	-	-	5500	5460	63.59	47.55
802.11n HT20	MCS7	-	-	5520	5460	58.59	45.93
802.11ax HE20	MCS2x1	SU	-	5500	5460	63.11	48.49
802.11ax HE20	MCS11x1	106	53	5500	5460	58.69	45.57
802.11ax HE20	MCS11x1	SU	-	5520	5460	61.60	45.76

Table 7 - SISO Restricted Band Edge Results

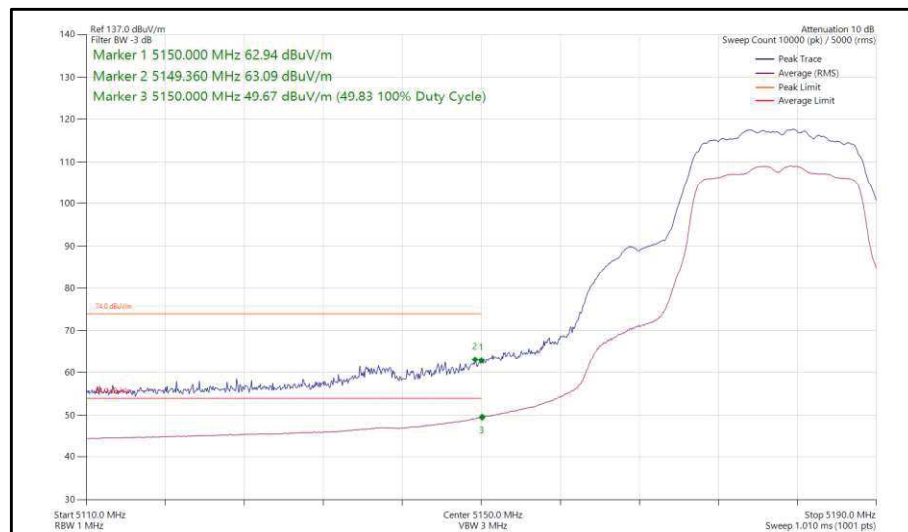




Figure 24 - 802.11a, SISO, Core 1 - 5180 MHz Band Edge Frequency 5150 MHz

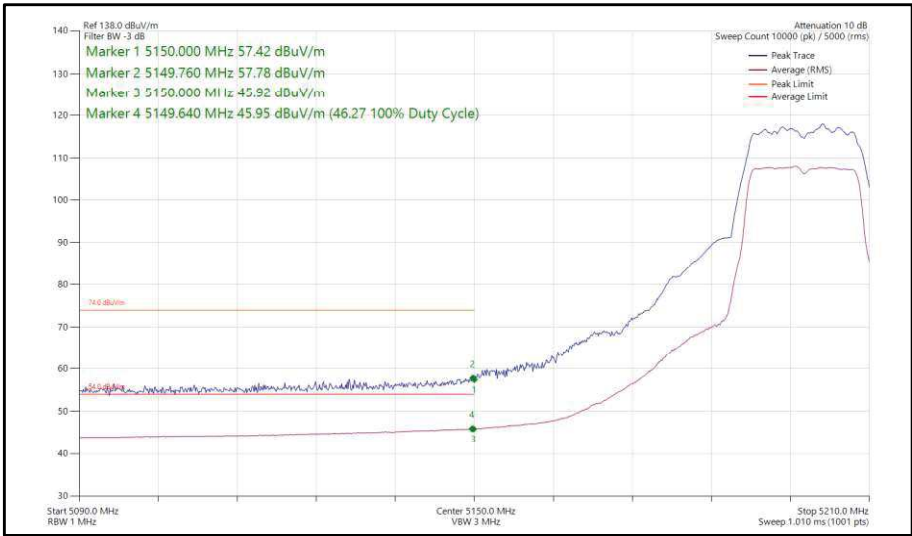


Figure 25 - 802.11a, SISO, Core 1 - 5200 MHz Band Edge Frequency 5150 MHz

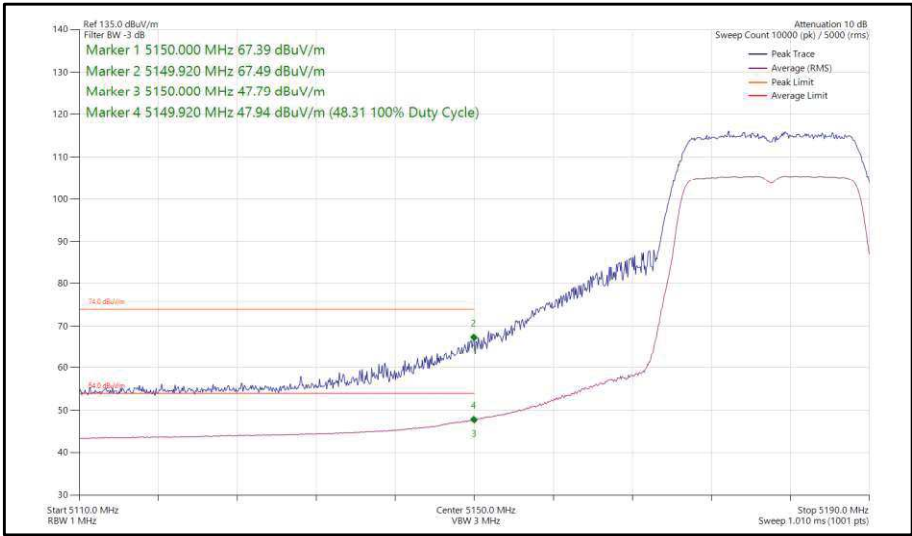


Figure 26 - 802.11n HT20, SISO, Core 1 - 5180 MHz Band Edge Frequency 5150 MHz

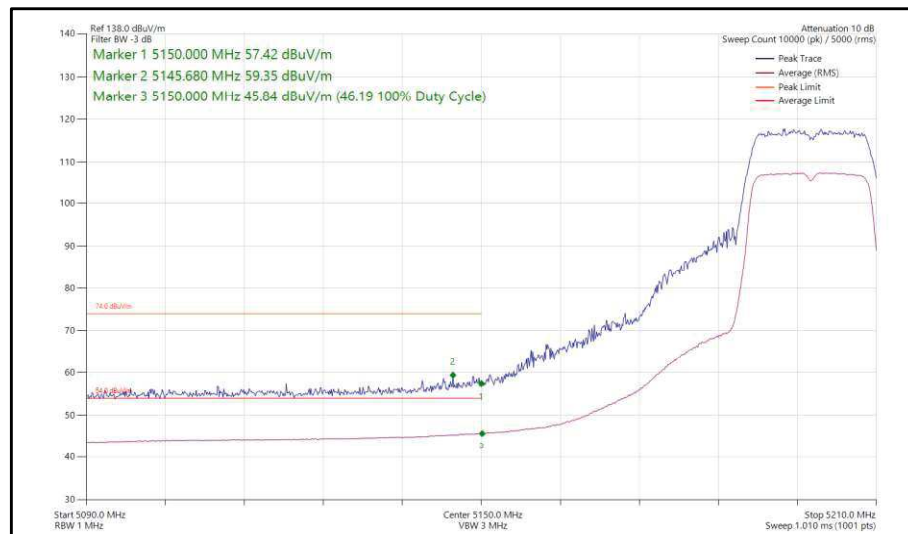


Figure 27 - 802.11n HT20, SISO, Core 1 - 5200 MHz Band Edge Frequency 5150 MHz

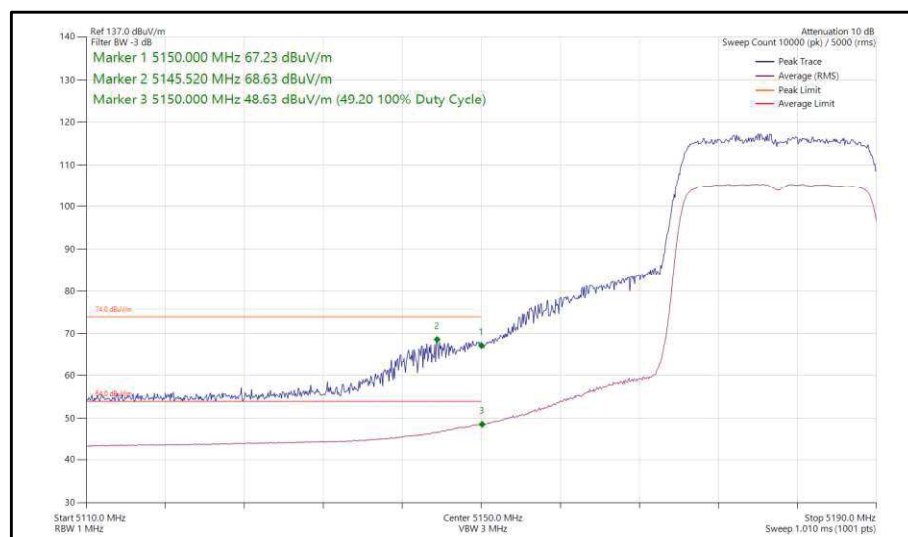


Figure 28 - 802.11ax HE20, SU, SISO, Core 1 - 5180 MHz Band Edge Frequency 5150 MHz

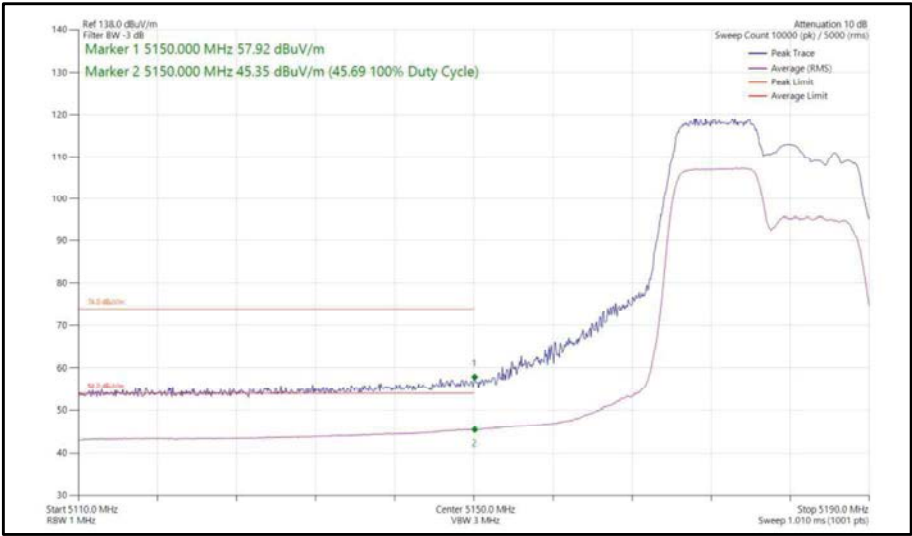


Figure 29 - 802.11ax HE20, RU 106-53, SISO, Core 1 - 5180 MHz Band Edge Frequency 5150 MHz

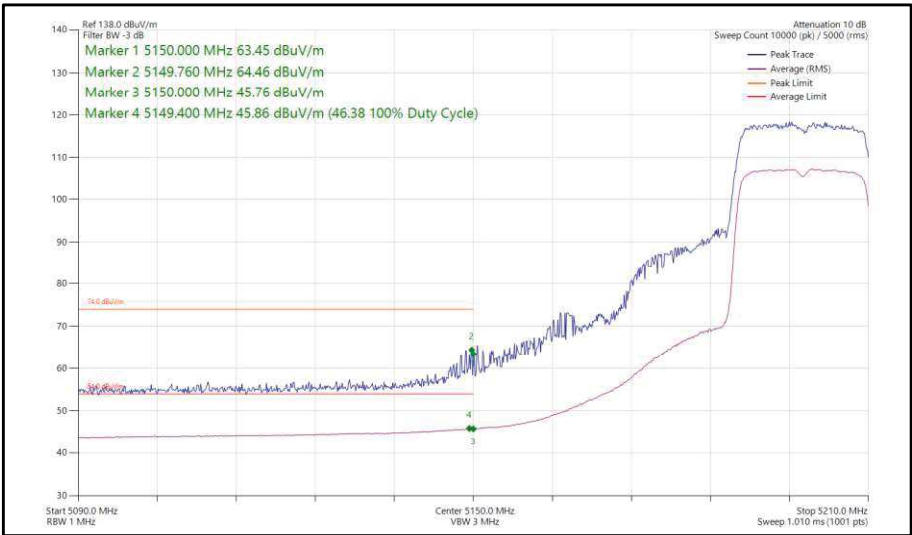


Figure 30 - 802.11ax HE20, SU, SISO, Core 1 - 5200 MHz Band Edge Frequency 5150 MHz

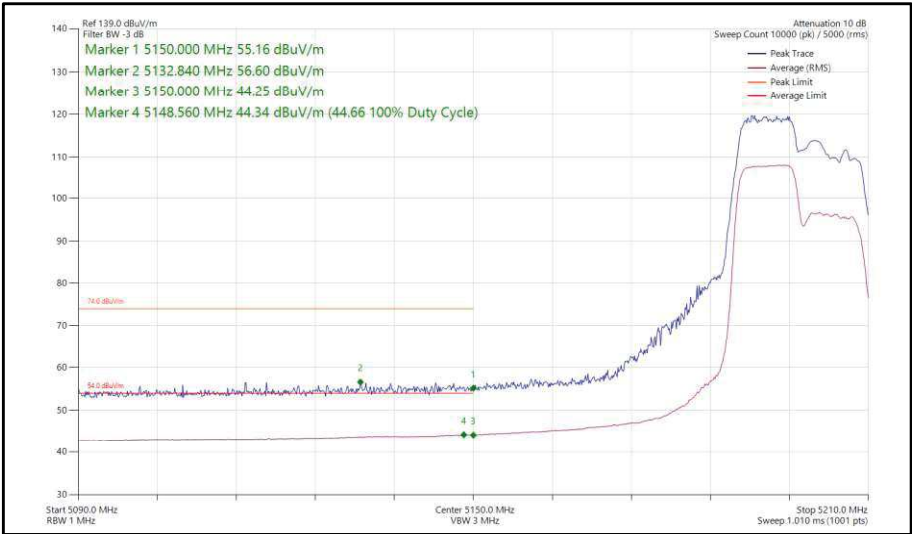


Figure 31 - 802.11ax HE20, RU 106-53, SISO, Core 1 - 5200 MHz Band Edge Frequency 5150 MHz

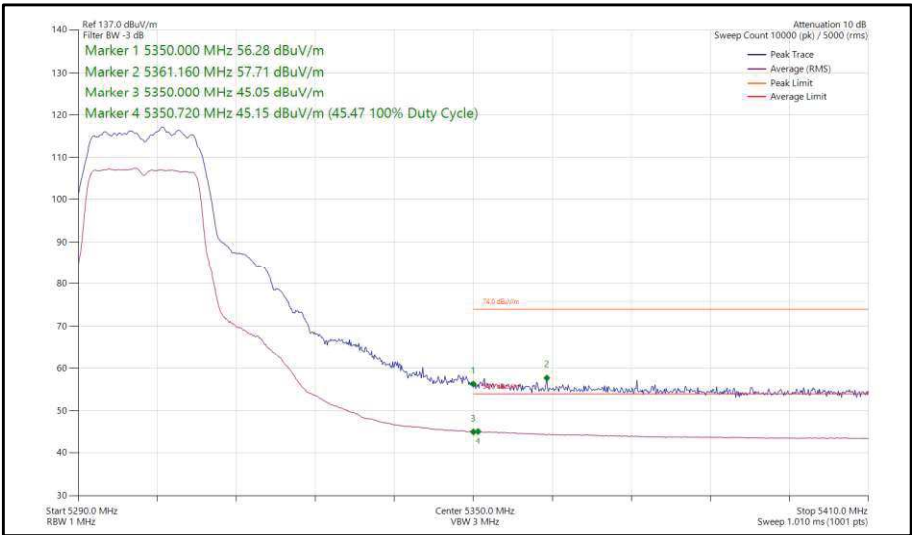


Figure 32 - 802.11a, SISO, Core 1 - 5300 MHz Band Edge Frequency 5350 MHz

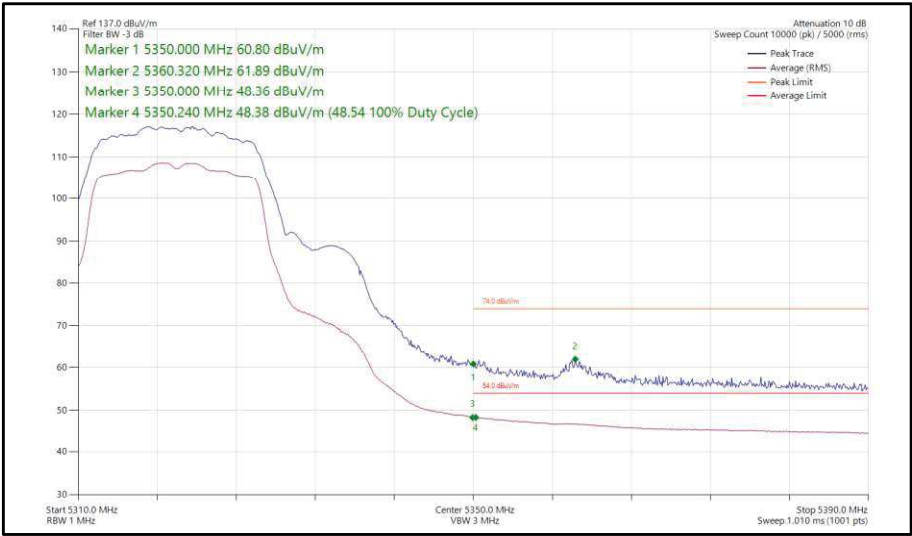


Figure 33 - 802.11a, SISO, Core 1 - 5320 MHz Band Edge Frequency 5350 MHz

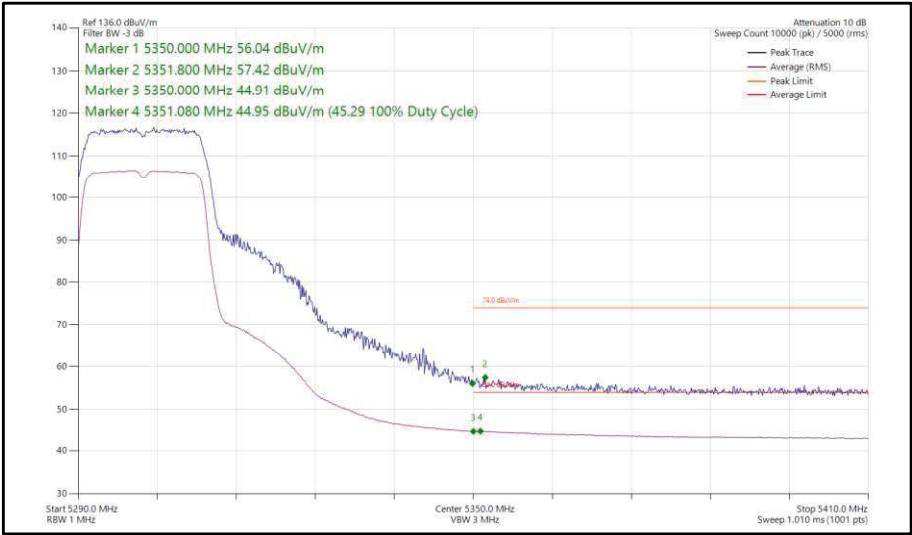


Figure 34 - 802.11n HT20, SISO, Core 1 - 5300 MHz Band Edge Frequency 5350 MHz

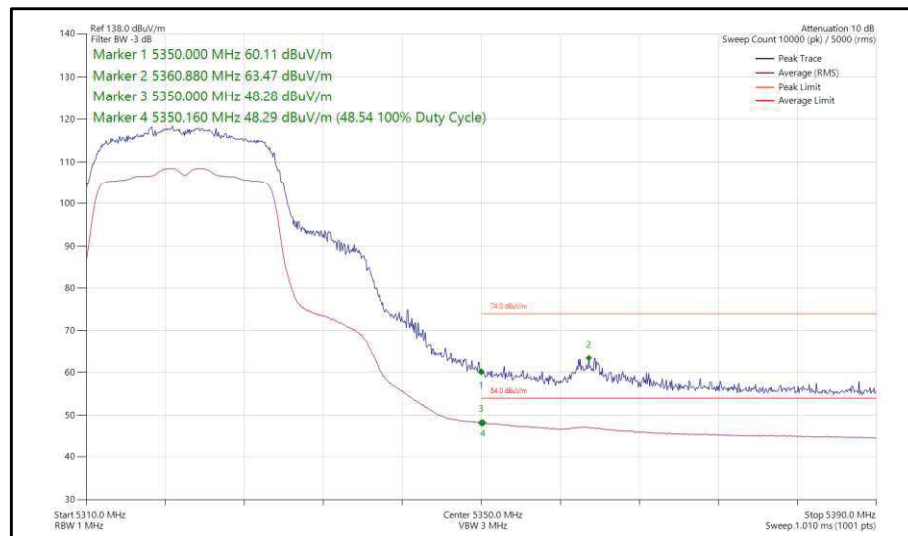


Figure 35 - 802.11n HT20, SISO, Core 1 - 5320 MHz Band Edge Frequency 5350 MHz

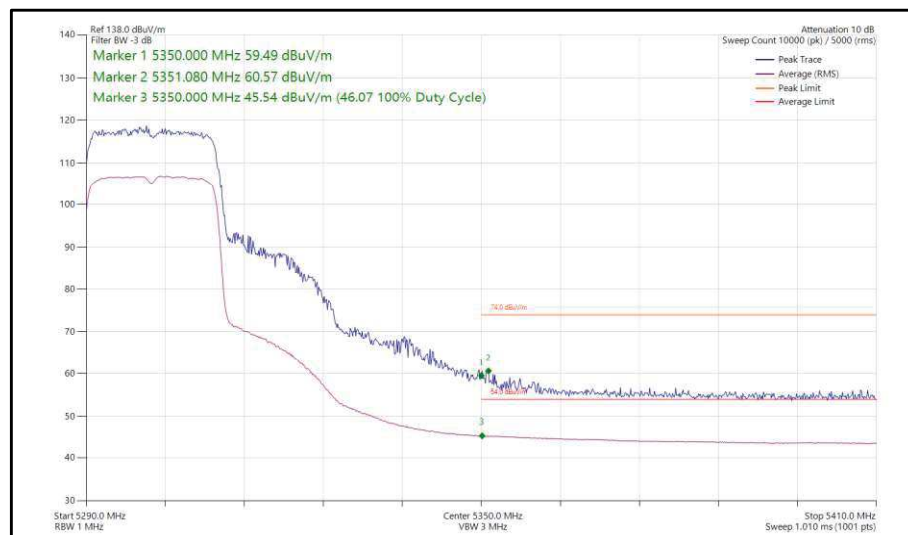


Figure 36 - 802.11ax HE20, SU, SISO, Core 1 - 5300 MHz Band Edge Frequency 5350 MHz

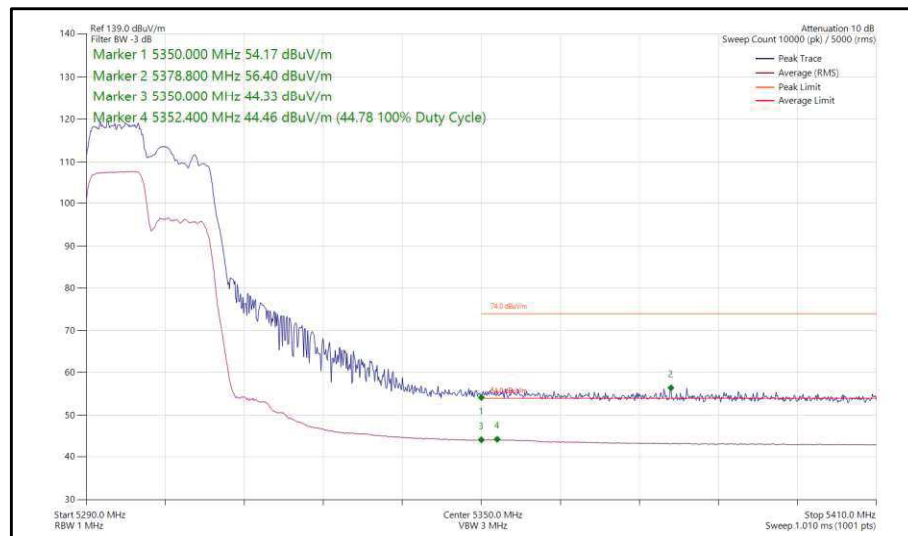


Figure 37 - 802.11ax HE20, RU 106-53, SISO, Core 1 - 5300 MHz Band Edge Frequency 5350 MHz

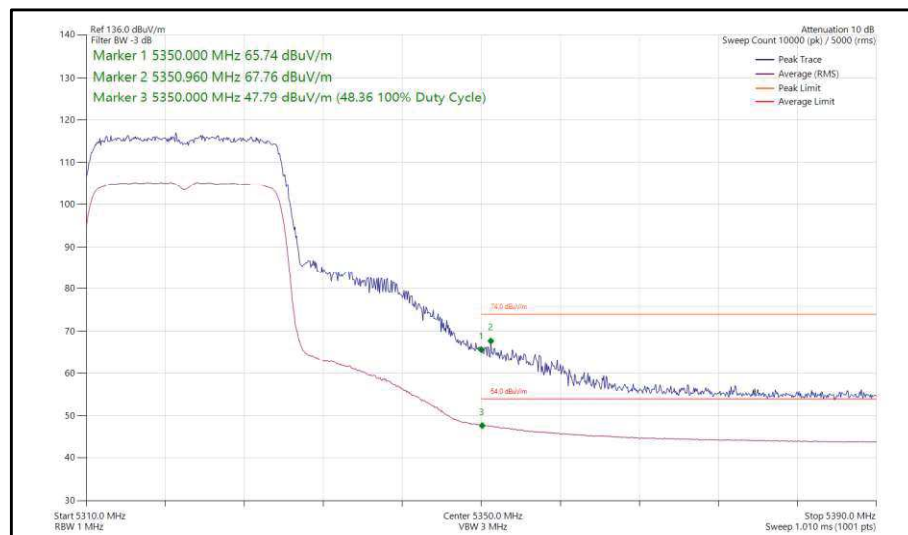


Figure 38 - 802.11ax HE20, SU, SISO, Core 1 - 5320 MHz Band Edge Frequency 5350 MHz

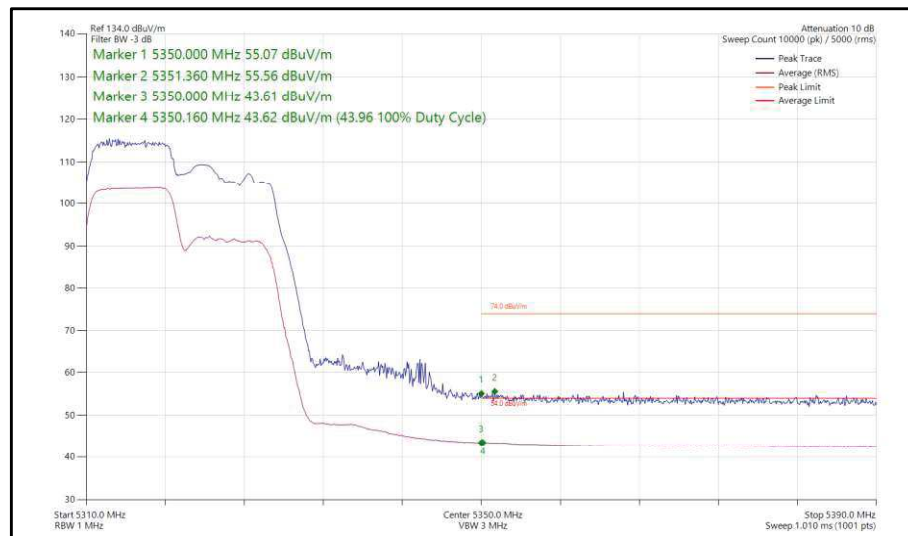


Figure 39 - 802.11ax HE20, RU 106-53, SISO, Core 1 - 5320 MHz Band Edge Frequency 5350 MHz

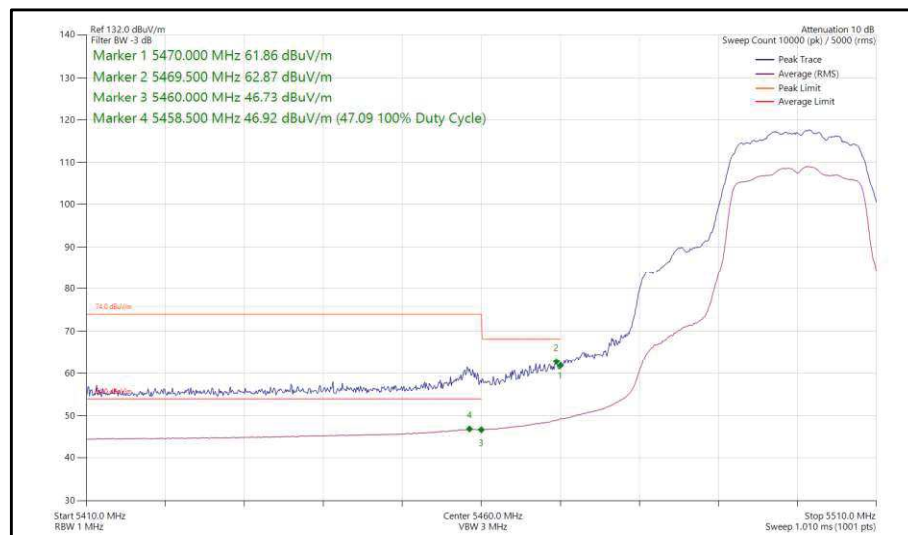


Figure 40 - 802.11a, SISO, Core 1 - 5500 MHz Band Edge Frequency 5460 MHz

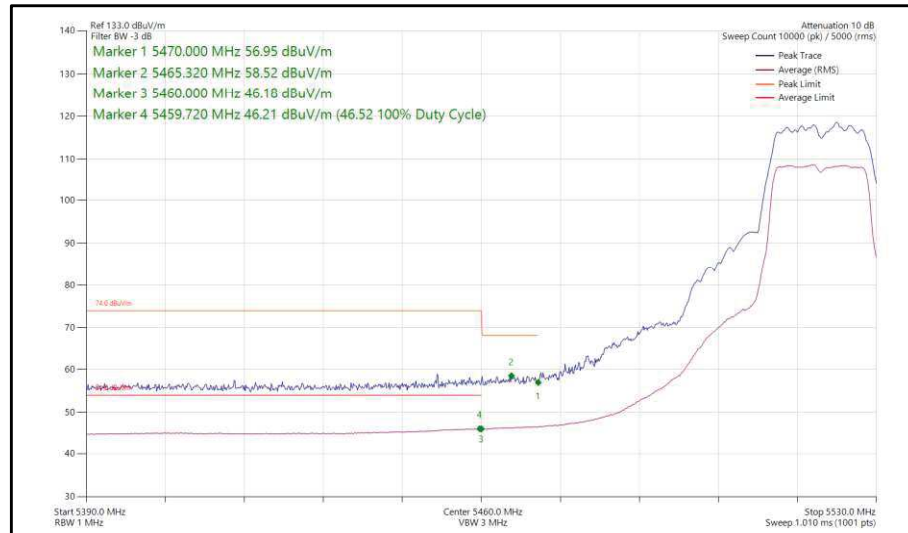


Figure 41 - 802.11a, SISO, Core 1 - 5520 MHz Band Edge Frequency 5460 MHz

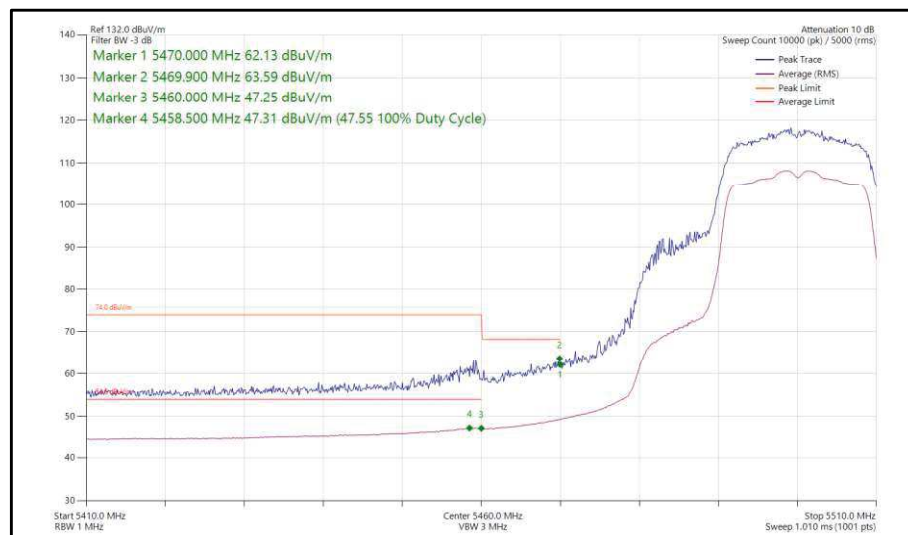


Figure 42 - 802.11n HT20, SISO, Core 1 - 5500 MHz Band Edge Frequency 5460 MHz

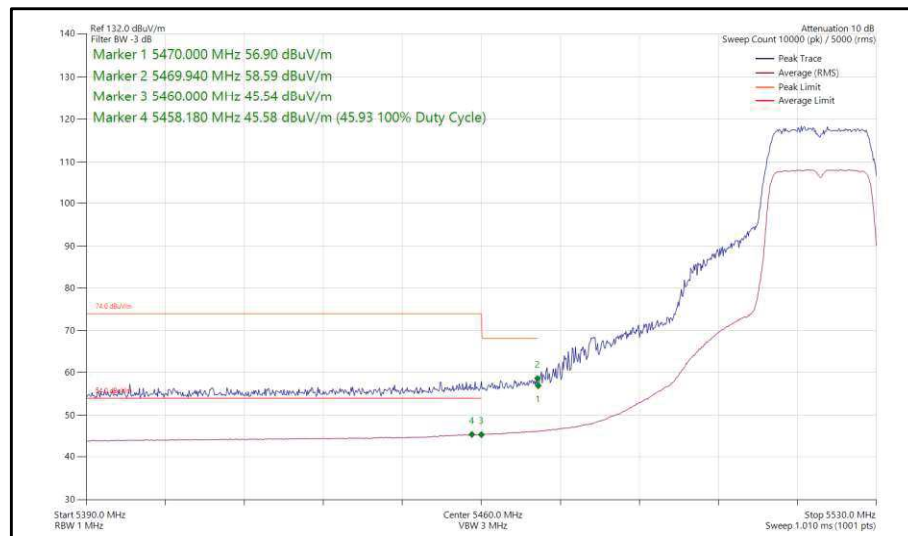


Figure 43 - 802.11n HT20, SISO, Core 1 - 5520 MHz Band Edge Frequency 5460 MHz

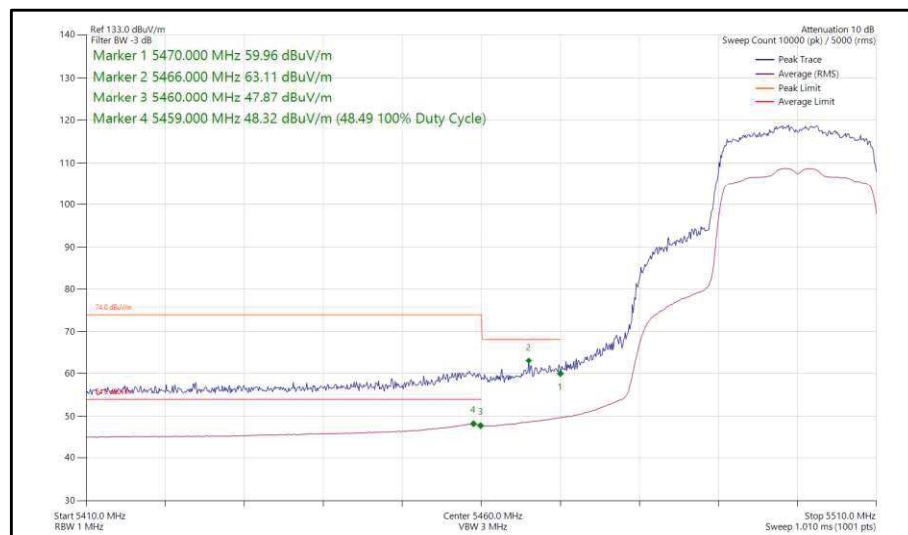


Figure 44 - 802.11ax HE20, SU, SISO, Core 1 - 5500 MHz Band Edge Frequency 5460 MHz

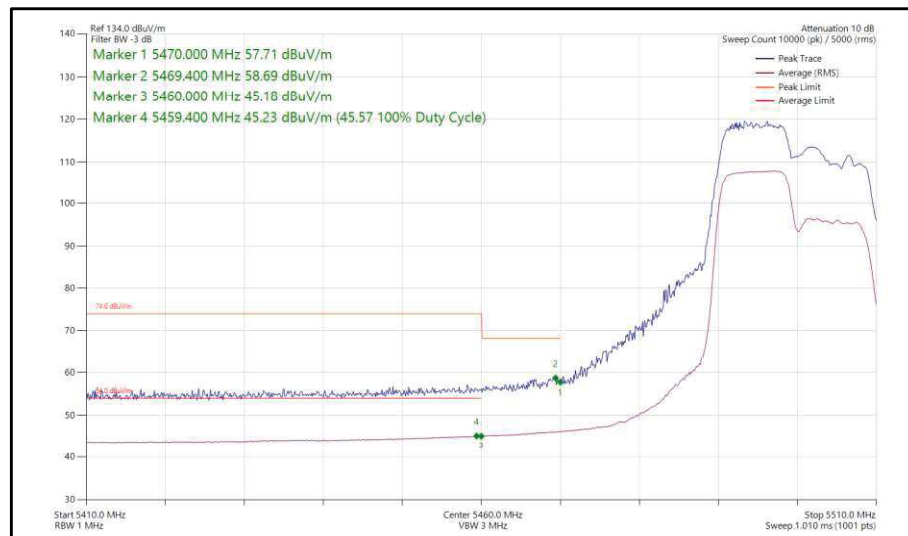


Figure 45 - 802.11ax HE20, RU 106-53, SISO, Core 1 - 5500 MHz Band Edge Frequency 5460 MHz

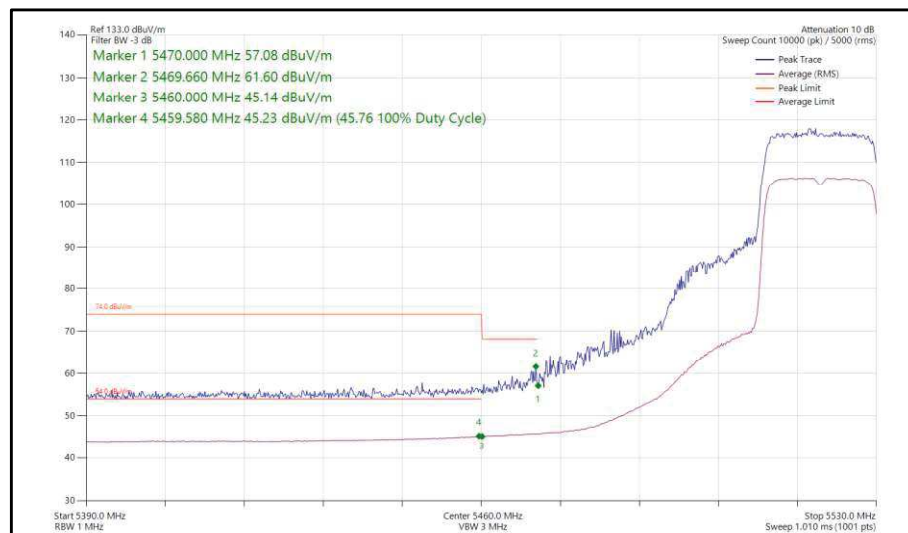


Figure 46 - 802.11ax HE20, SU, SISO, Core 1 - 5520 MHz Band Edge Frequency 5460 MHz



20 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11n HT20	MCS7	-	-	5180	5150	56.30	44.56
802.11ax HE20	MCS11x1	SU	-	5180	5150	56.15	43.94
802.11ax HE20	MCS11x1	106	53	5180	5150	54.32	43.00
802.11ax HE20	MCS11x1	SU	-	5200	5150	54.88	42.75
802.11n HT20	MCS7	-	-	5320	5350	58.83	46.44
802.11ax HE20	MCS11x1	SU	-	5300	5350	55.72	44.18
802.11ax HE20	MCS11x1	SU	-	5320	5350	59.24	46.69
802.11ax HE20	MCS11x1	106	54	5320	5350	55.66	44.31
802.11n HT20	MCS7	-	-	5500	5460	61.14	46.21
802.11n HT20	MCS7	-	-	5520	5460	57.97	45.11
802.11ax HE20	MCS11x1	SU	-	5500	5460	60.93	45.84
802.11ax HE20	MCS11x1	106	54	5500	5460	57.90	45.08
802.11ax HE20	MCS11x1	SU	-	5520	5460	57.55	45.13

Table 8 - CDD Restricted Band Edge Results

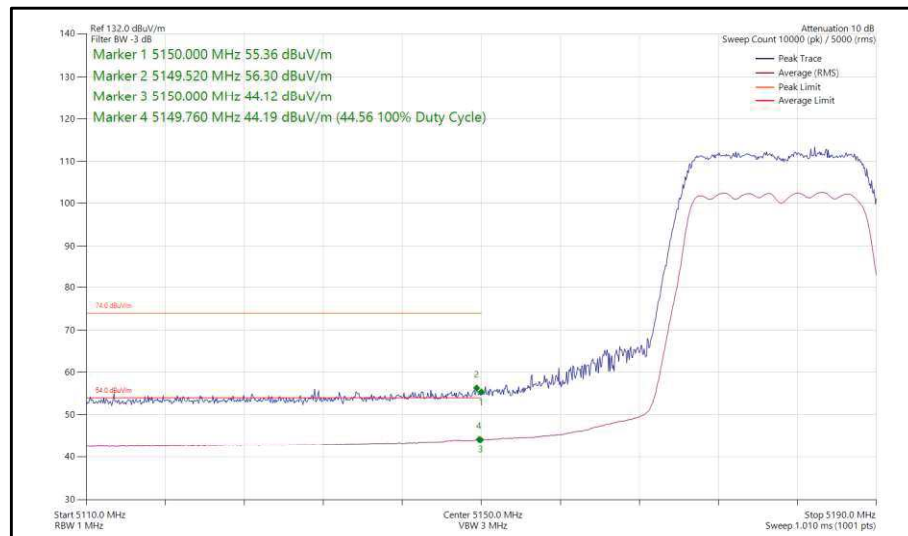


Figure 47 - 802.11n HT20, CDD, Core 0-1 - 5180 MHz Band Edge Frequency 5150 MHz

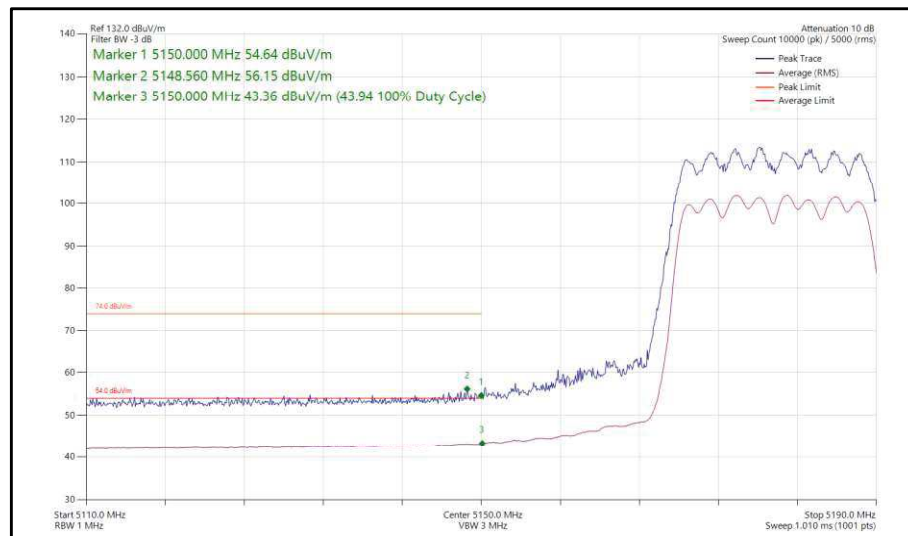


Figure 48 - 802.11ax HE20, SU, CDD, Core 0-1 - 5180 MHz Band Edge Frequency 5150 MHz

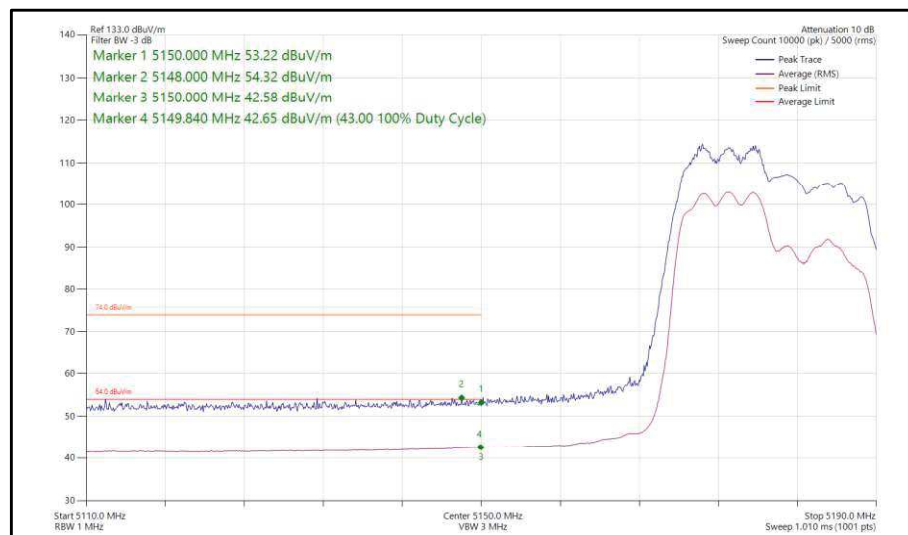


Figure 49 - 802.11ax HE20, RU 106-53, CDD, Core 0-1 - 5180 MHz Band Edge Frequency 5150 MHz

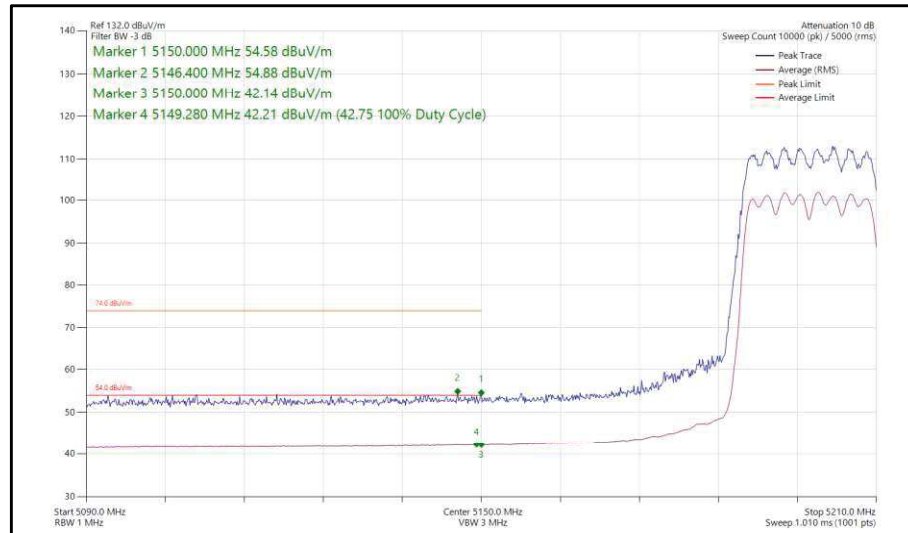


Figure 50 - 802.11ax HE20, SU, CDD, Core 0-1 - 5200 MHz Band Edge Frequency 5150 MHz

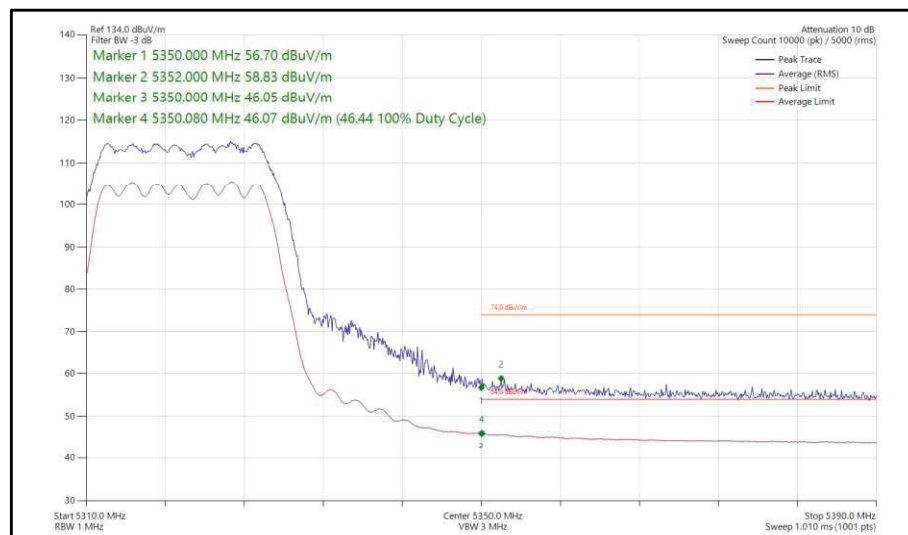


Figure 51 - 802.11n HT20, CDD, Core 0-1 - 5320 MHz Band Edge Frequency 5350 MHz

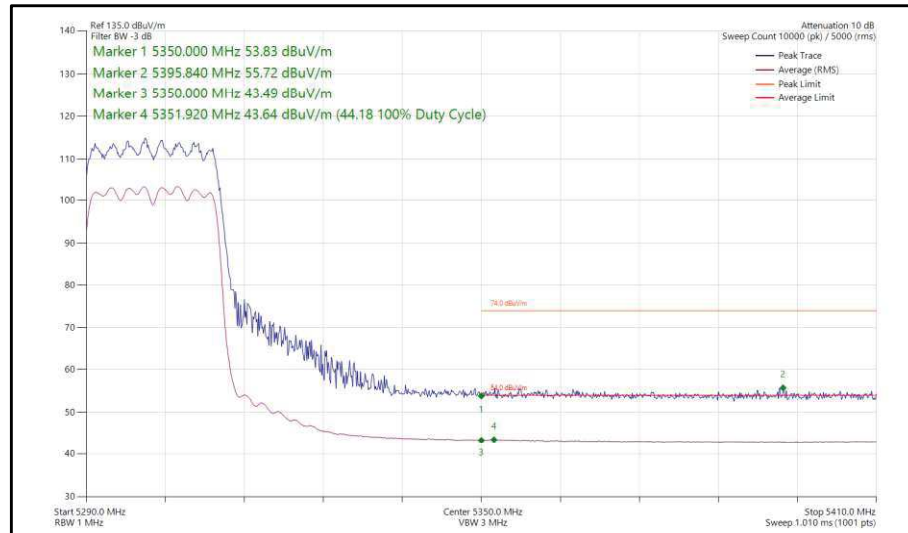


Figure 52 - 802.11ax HE20, SU, CDD, Core 0-1 - 5300 MHz Band Edge Frequency 5350 MHz

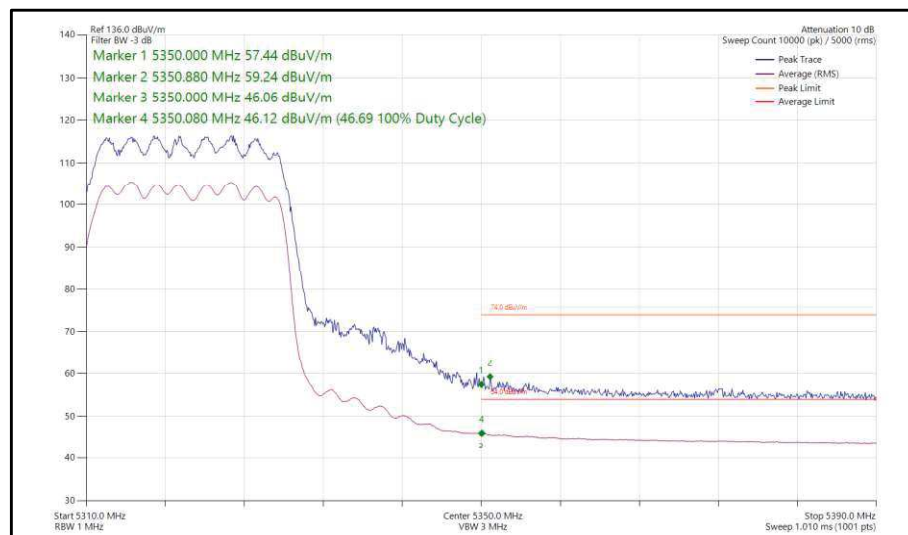


Figure 53 - 802.11ax HE20, SU, CDD, Core 0-1 - 5320 MHz Band Edge Frequency 5350 MHz

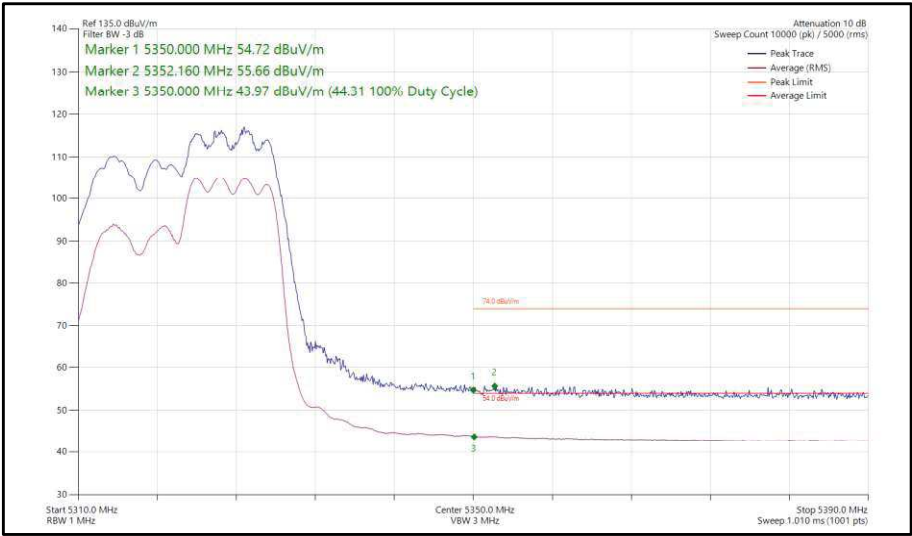


Figure 54 - 802.11ax HE20, RU 106-54, CDD, Core 0-1 - 5320 MHz Band Edge Frequency 5350 MHz

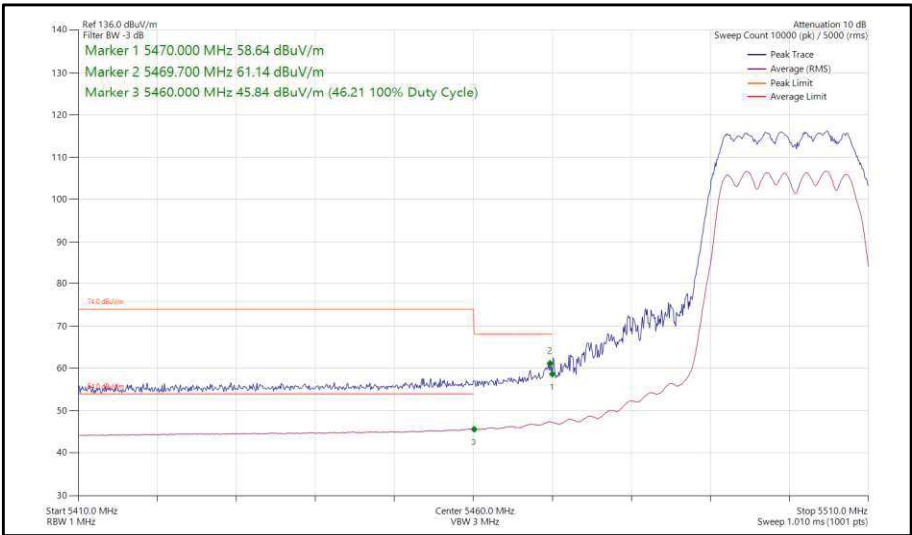


Figure 55 - 802.11n HT20, CDD, Core 0-1 - 5500 MHz Band Edge Frequency 5460 MHz

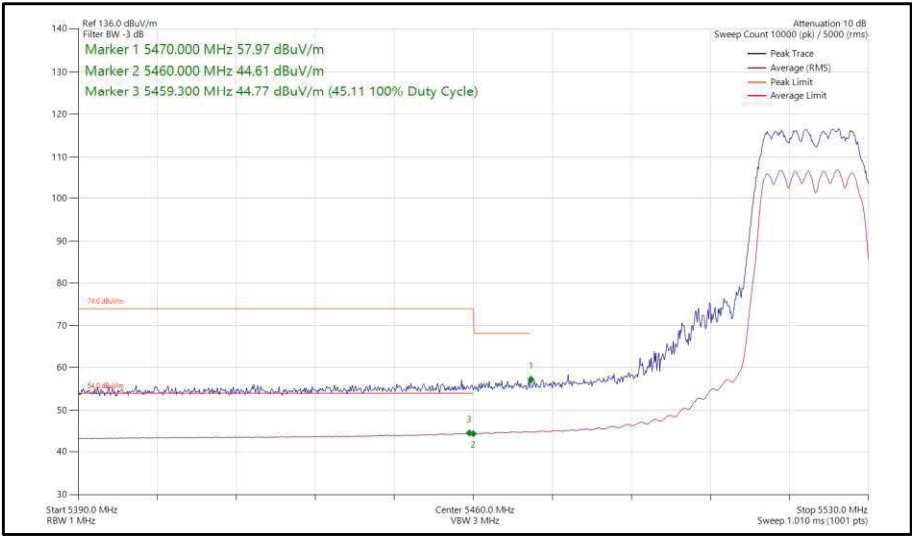


Figure 56 - 802.11n HT20, CDD, Core 0-1 - 5520 MHz Band Edge Frequency 5460 MHz

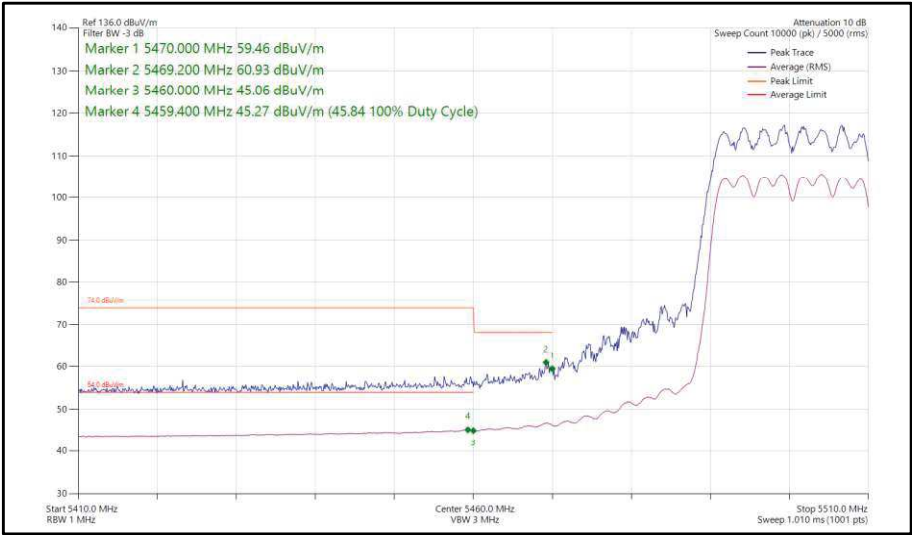


Figure 57 - 802.11ax HE20, SU, CDD, Core 0-1 - 5500 MHz Band Edge Frequency 5460 MHz

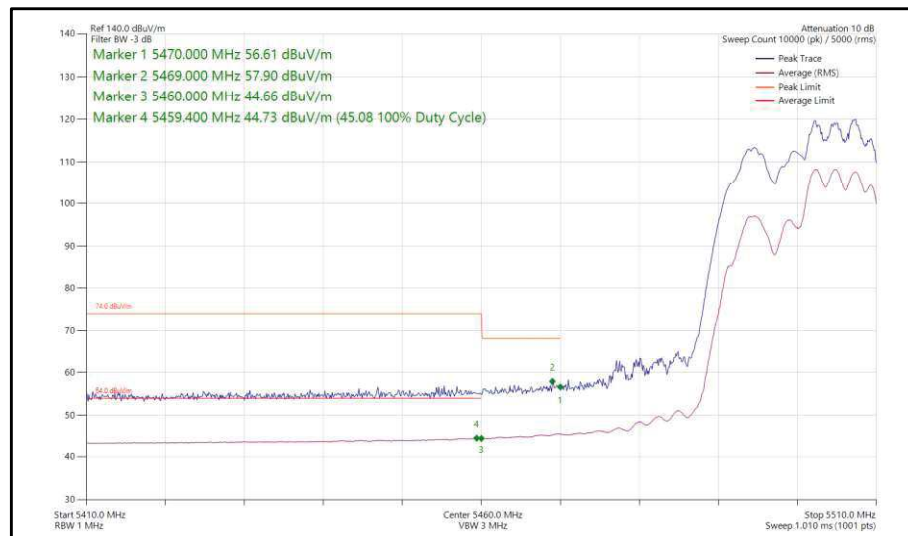


Figure 58 - 802.11ax HE20, RU 106-54, CDD, Core 0-1 - 5500 MHz Band Edge Frequency 5460 MHz

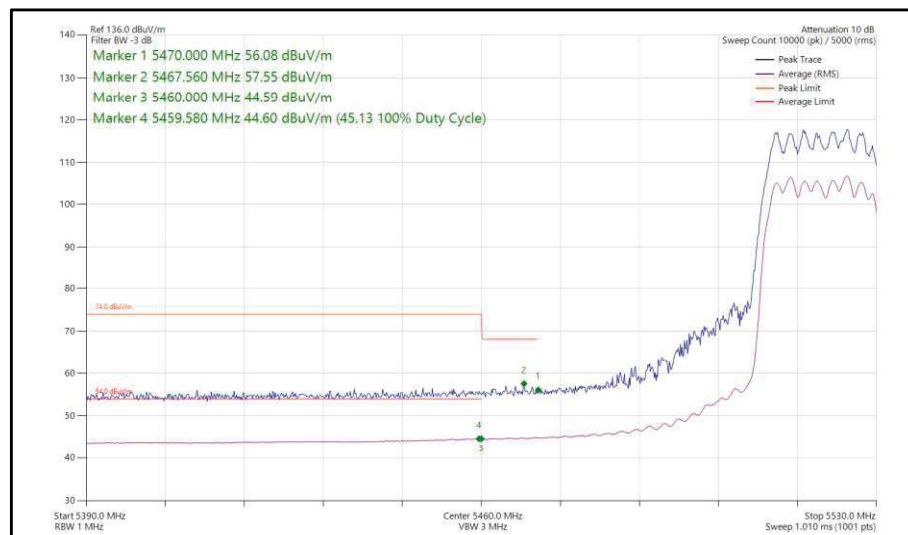


Figure 59 - 802.11ax HE20, SU, CDD, Core 0-1 - 5520 MHz Band Edge Frequency 5460 MHz

20 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11n HT20	MCS15	-	-	5180	5150	62.83	47.59
802.11n HT20	MCS15	-	-	5200	5150	57.21	44.47
802.11ax HE20	MCS11x2	SU	-	5180	5150	65.69	47.84
802.11ax HE20	MCS11x2	106	54	5180	5150	55.70	44.42
802.11ax HE20	MCS11x2	SU	-	5200	5150	56.84	44.82
802.11n HT20	MCS15	-	-	5300	5350	57.61	46.20
802.11n HT20	MCS15	-	-	5320	5350	67.92	49.95
802.11ax HE20	MCS11x2	SU	-	5300	5350	57.51	45.81
802.11ax HE20	MCS11x2	106	54	5300	5350	56.73	44.34
802.11ax HE20	MCS11x2	SU	-	5320	5350	69.35	49.99
802.11ax HE20	MCS11x2	106	53	5320	5350	56.05	44.47
802.11n HT20	MCS15	-	-	5500	5460	63.52	46.78
802.11n HT20	MCS15	-	-	5520	5460	59.65	47.20
802.11ax HE20	MCS11x2	SU	-	5500	5460	63.66	46.96
802.11ax HE20	MCS11x2	106	53	5500	5460	58.56	45.68
802.11ax HE20	MCS11x2	SU	-	5520	5460	59.82	47.31
802.11ax HE20	MCS11x2	106	53	5520	5460	57.95	45.83

Table 9 - SDM Restricted Band Edge Results

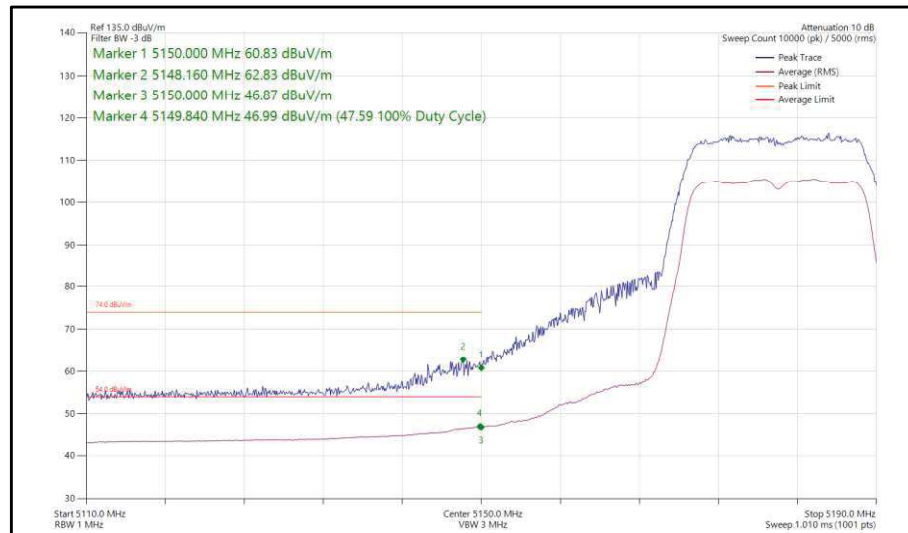


Figure 60 - 802.11n HT20, SDM, Core 0-1 - 5180 MHz Band Edge Frequency 5150 MHz

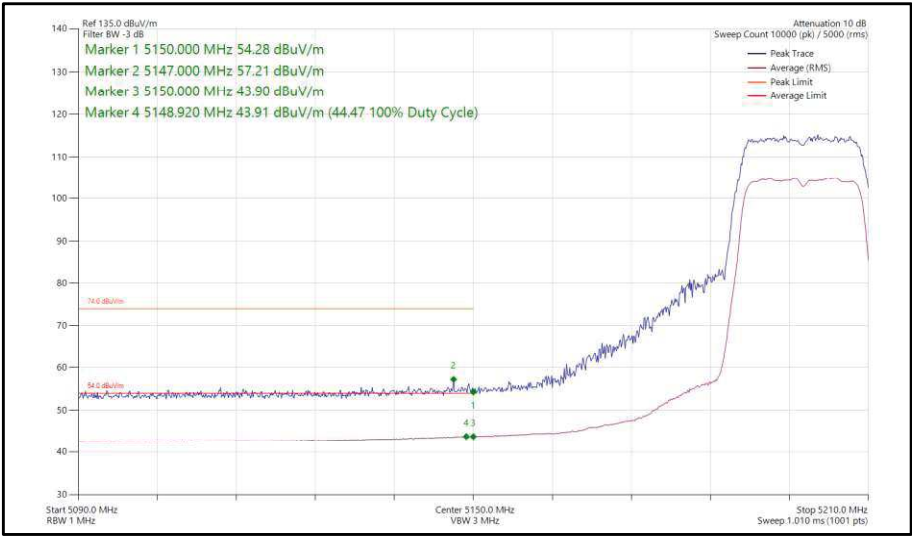


Figure 61 - 802.11n HT20, SDM, Core 0-1 - 5200 MHz Band Edge Frequency 5150 MHz

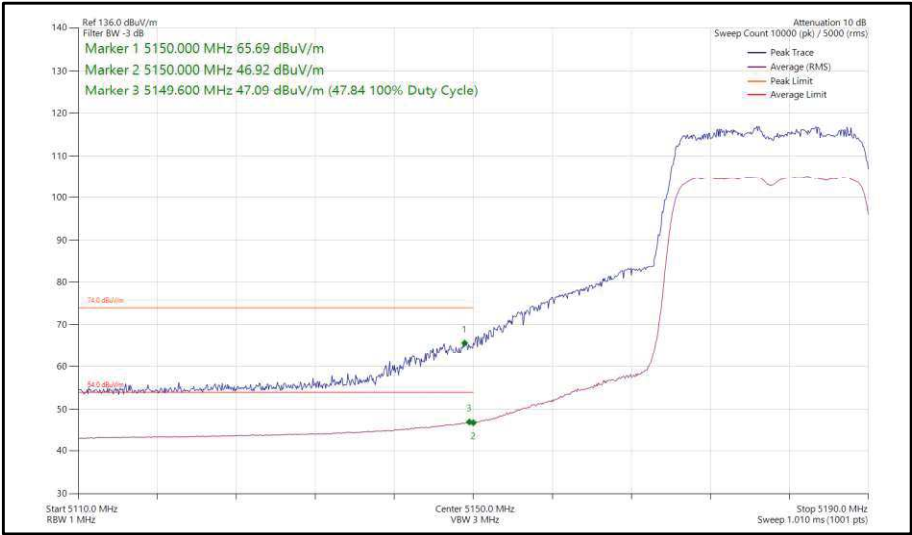


Figure 62 - 802.11ax HE20, SU, SDM, Core 0-1 - 5180 MHz Band Edge Frequency 5150 MHz

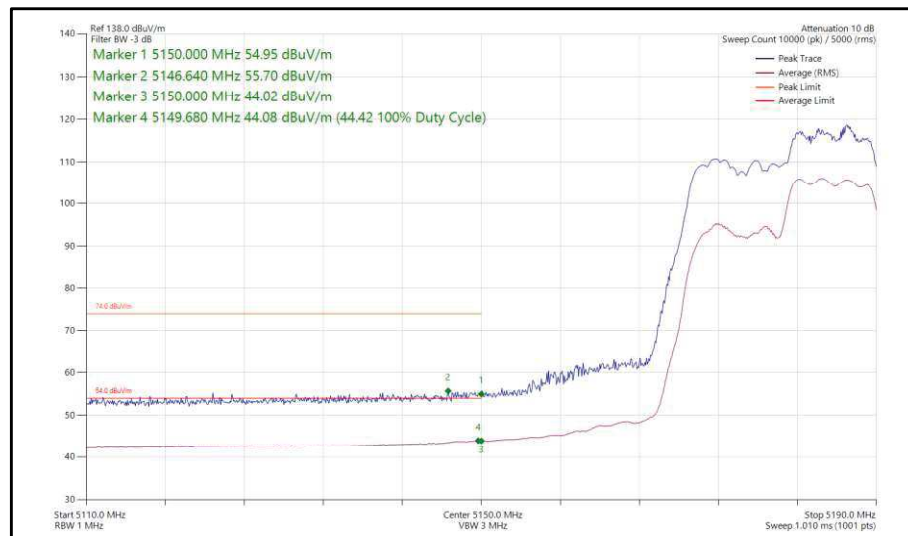


Figure 63 - 802.11ax HE20, RU 106-54, SDM, Core 0-1 - 5180 MHz Band Edge Frequency 5150 MHz

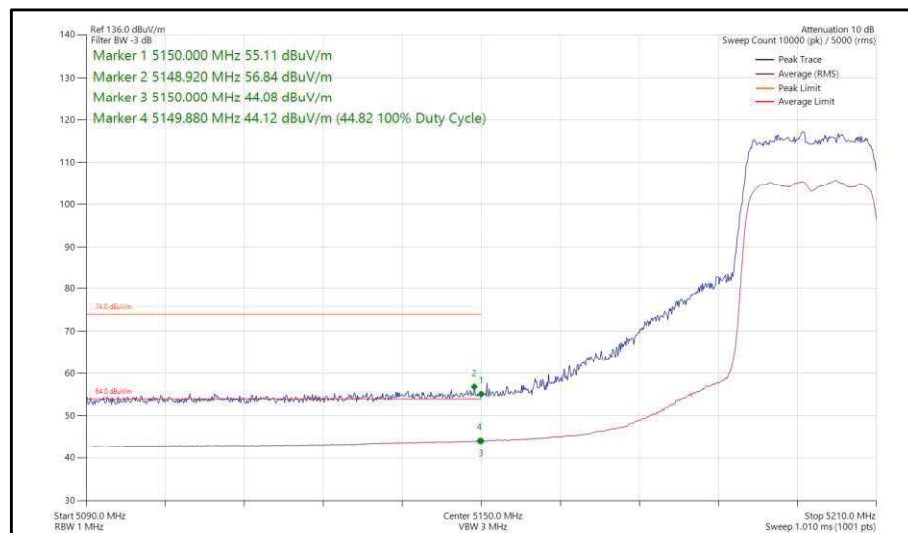


Figure 64 - 802.11ax HE20, SU, SDM, Core 0-1 - 5200 MHz Band Edge Frequency 5150 MHz

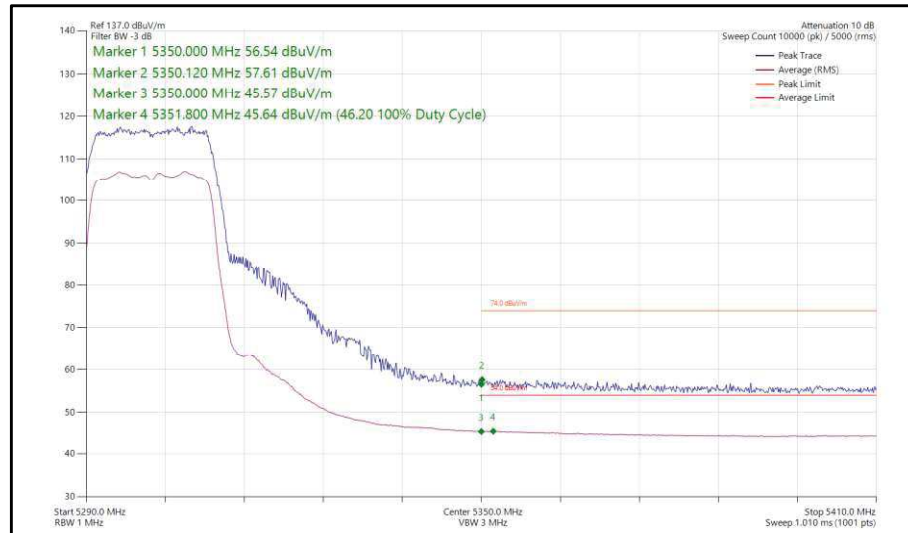


Figure 65 - 802.11n HT20, SDM, Core 0-1 - 5300 MHz Band Edge Frequency 5350 MHz

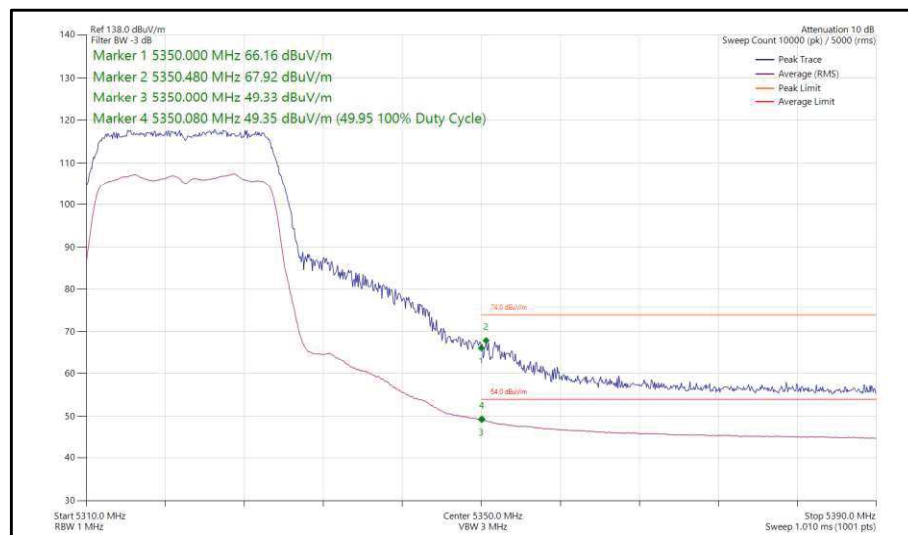


Figure 66 - 802.11n HT20, SDM, Core 0-1 - 5320 MHz Band Edge Frequency 5350 MHz

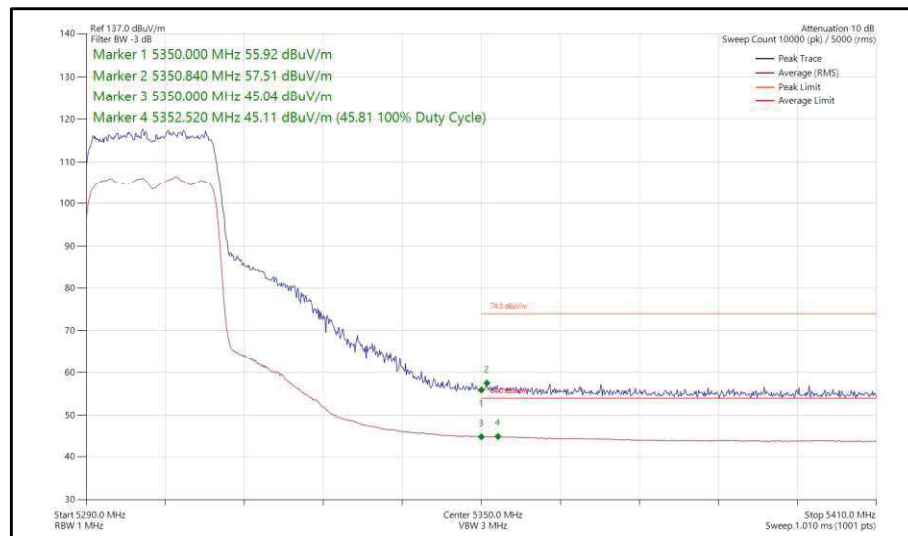


Figure 67 - 802.11ax HE20, SU, SDM, Core 0-1 - 5300 MHz Band Edge Frequency 5350 MHz

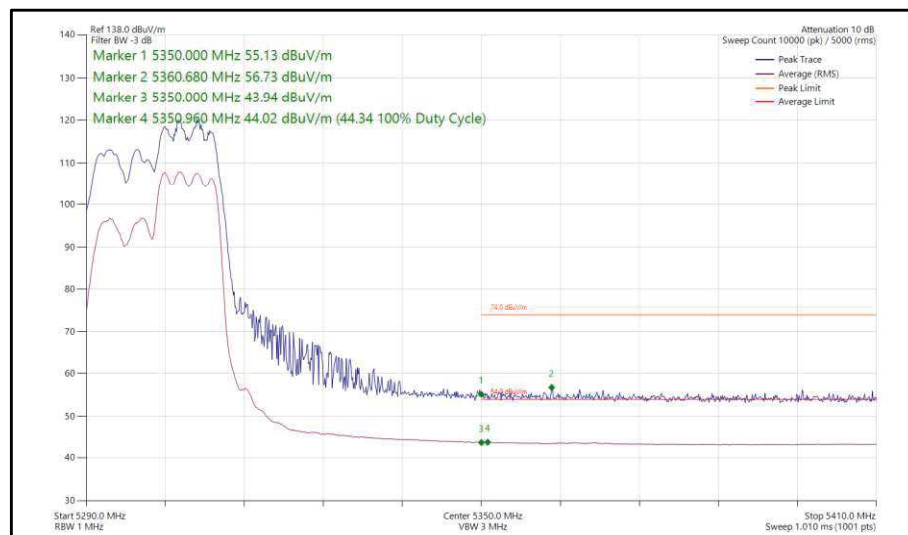


Figure 68 - 802.11ax HE20, RU 106-54, SDM, Core 0-1 - 5300 MHz Band Edge Frequency 5350 MHz

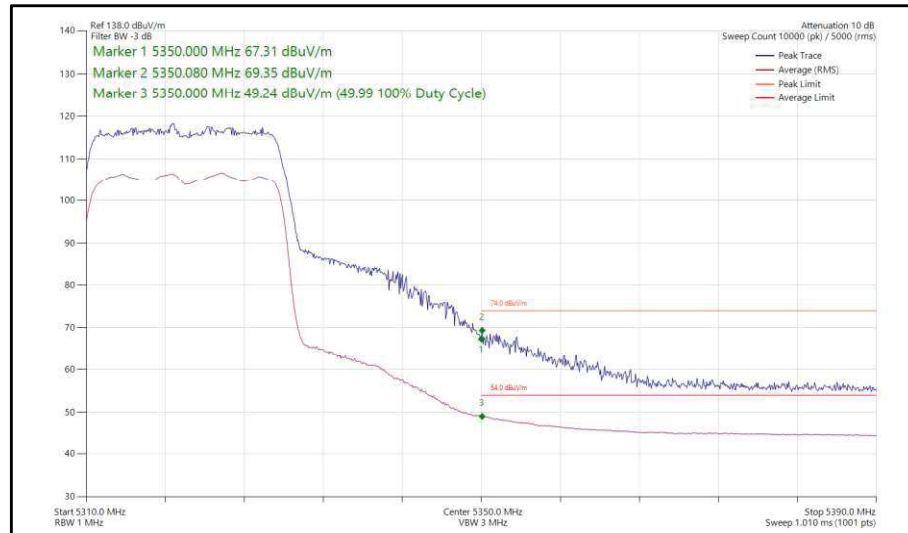


Figure 69 - 802.11ax HE20, SU, SDM, Core 0-1 - 5320 MHz Band Edge Frequency 5350 MHz

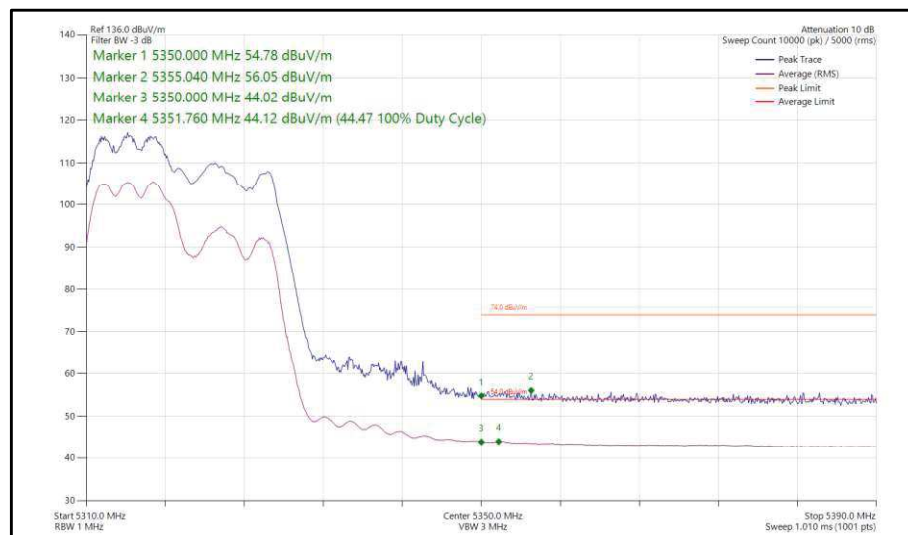


Figure 70 - 802.11ax HE20, RU 106-53, SDM, Core 0-1 - 5320 MHz Band Edge Frequency 5350 MHz

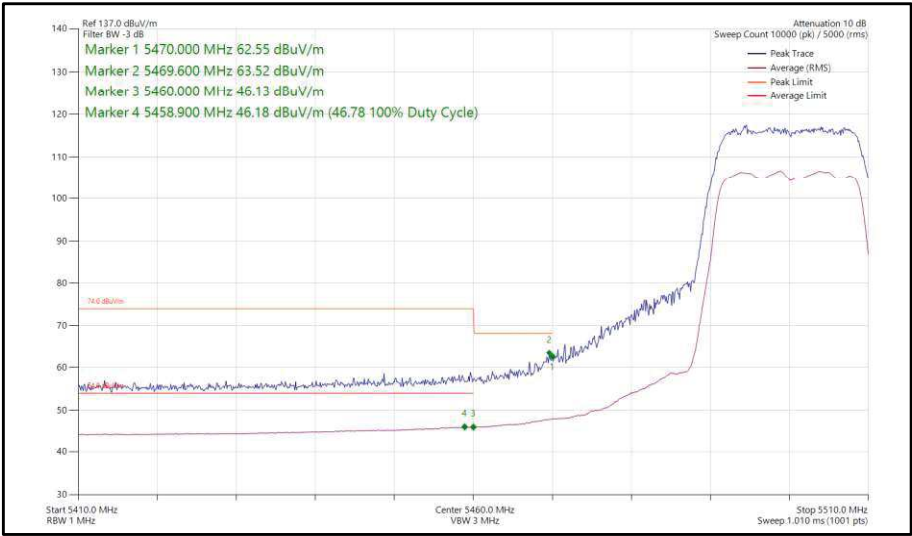


Figure 71 - 802.11n HT20, SDM, Core 0-1 - 5500 MHz Band Edge Frequency 5460 MHz

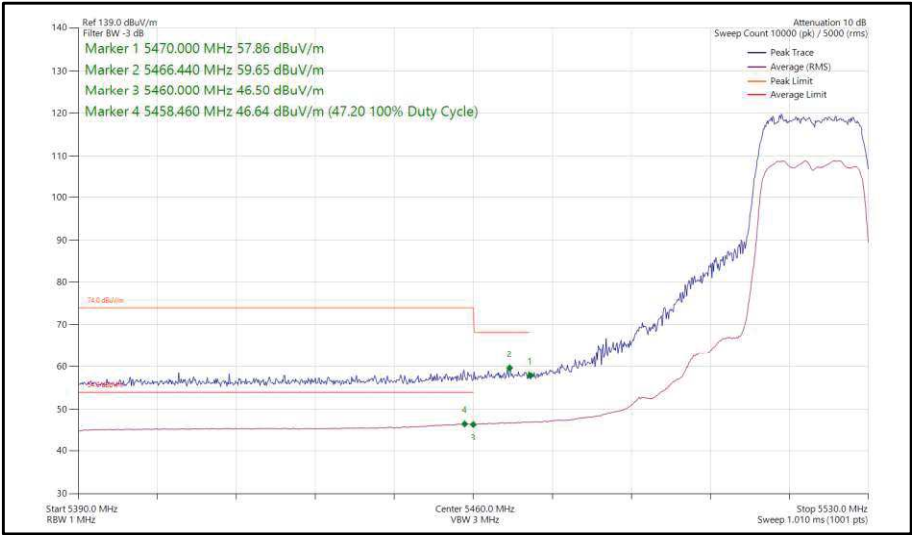


Figure 72 - 802.11n HT20, SDM, Core 0-1 - 5520 MHz Band Edge Frequency 5460 MHz

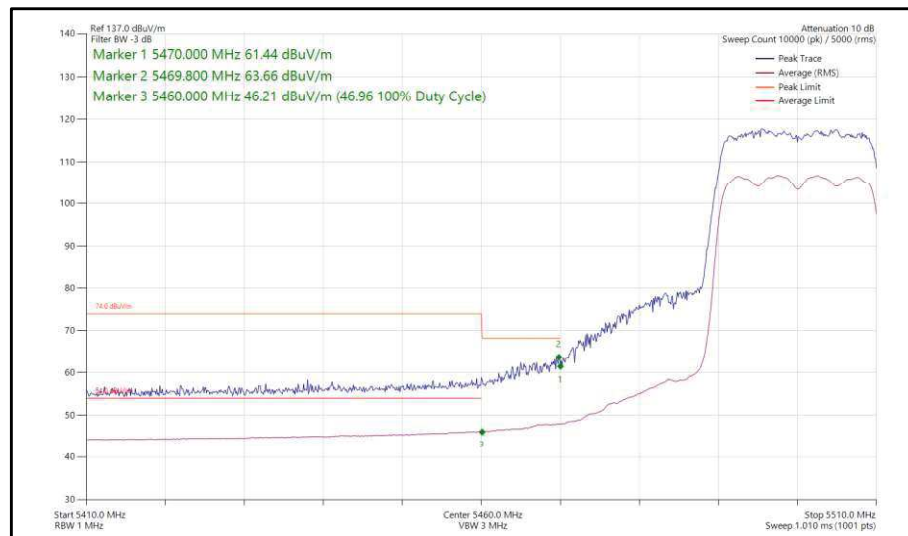


Figure 73 - 802.11ax HE20, SU, SDM, Core 0-1 - 5500 MHz Band Edge Frequency 5460 MHz

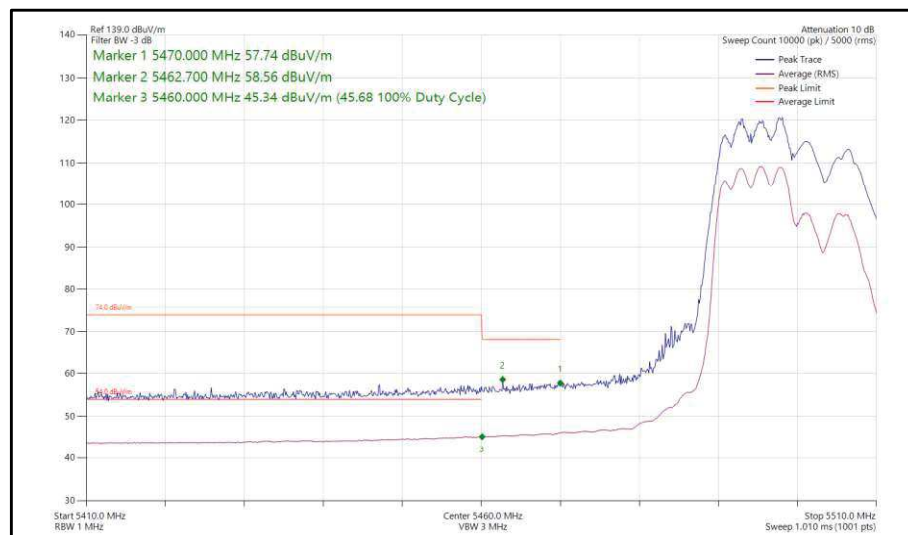


Figure 74 - 802.11ax HE20, RU 106-53, SDM, Core 0-1 - 5500 MHz Band Edge Frequency 5460 MHz

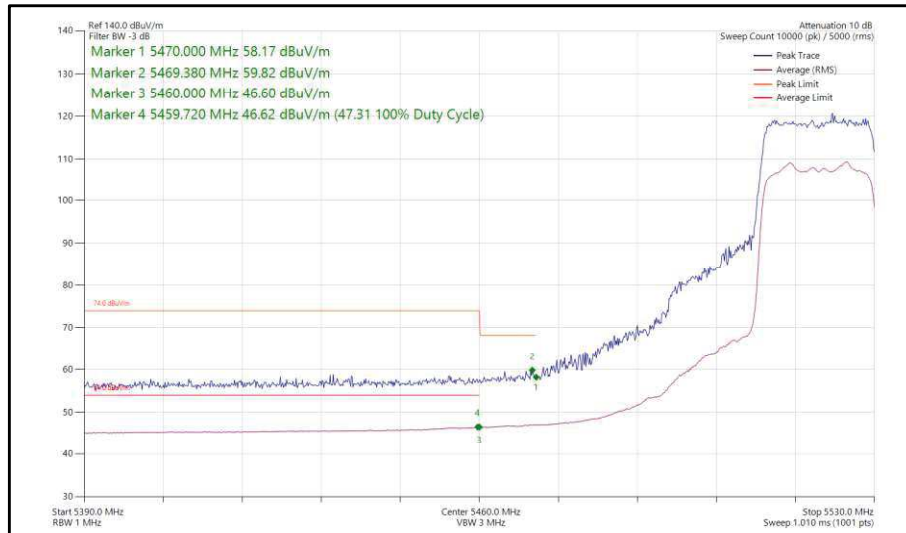


Figure 75 - 802.11ax HE20, SU, SDM, Core 0-1 - 5520 MHz Band Edge Frequency 5460 MHz

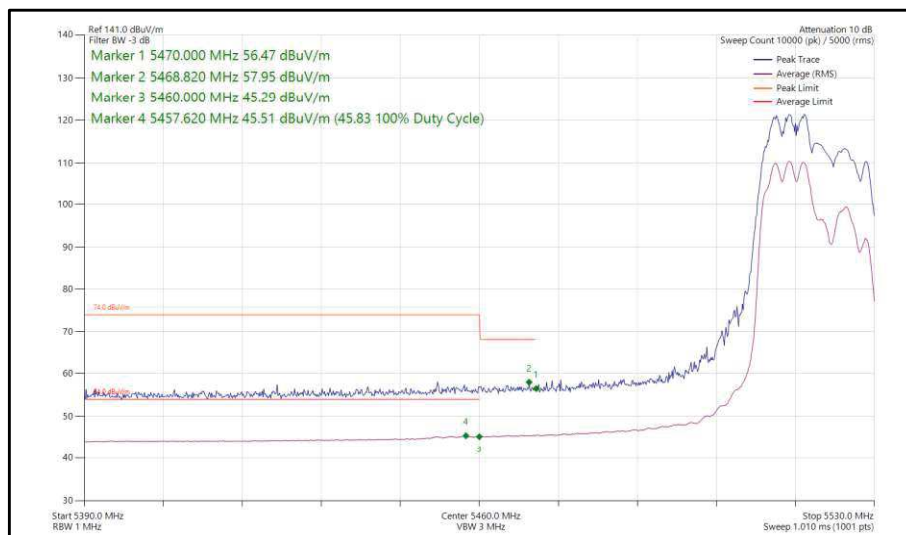
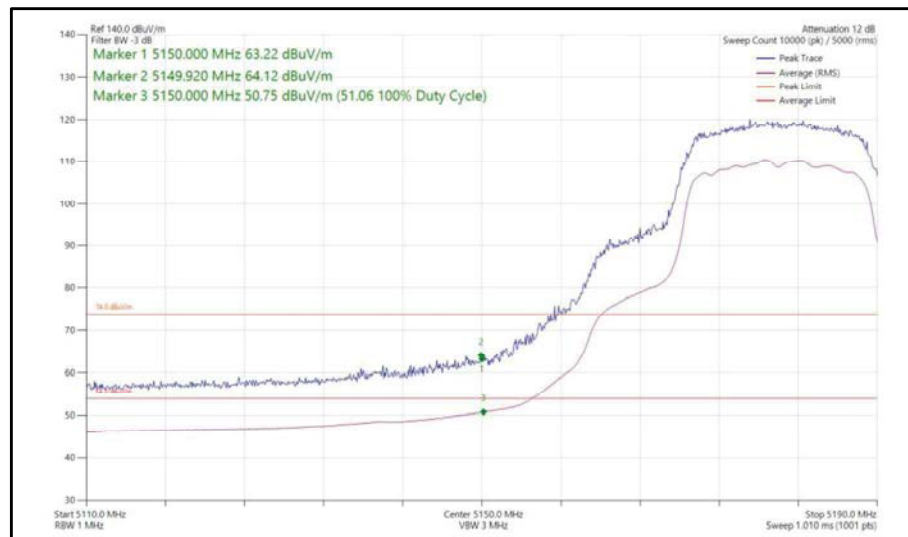


Figure 76 - 802.11ax HE20, RU 106-53, SDM, Core 0-1 - 5520 MHz Band Edge Frequency 5460 MHz

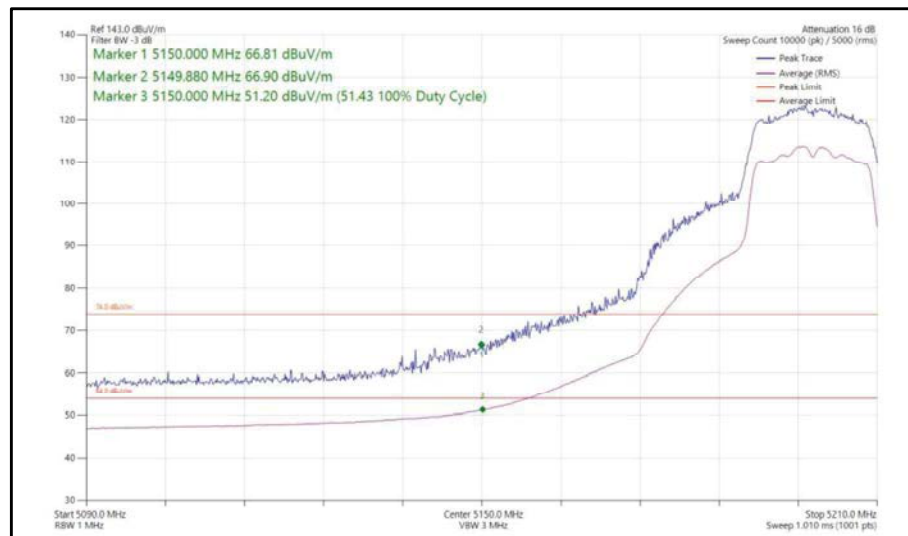
20 MHz Bandwidth - Core 0 + Core 1 (TxBF)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11ac VHT20	MCS2x1	-	-	5180	5150	64.12	51.06
802.11ac VHT20	MCS4x1	-	-	5200	5150	66.90	51.43
802.11ac VHT20	MCS7x1	-	-	5300	5350	67.36	51.20
802.11ac VHT20	MCS2x1	-	-	5320	5350	64.81	51.22
802.11ac VHT20	MCS4x1	-	-	5500	5460	63.69	48.10
802.11ac VHT20	MCS4x1	-	-	5520	5460	63.60	48.90

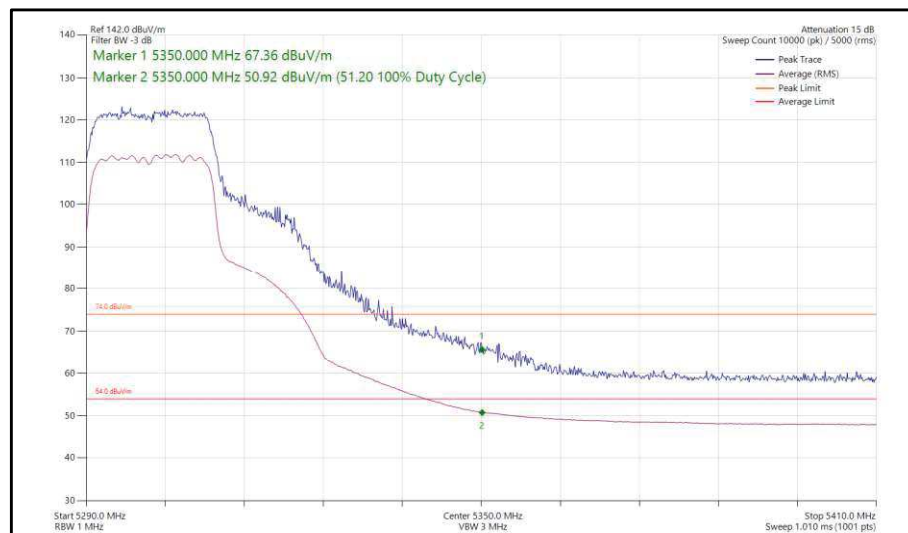
Table 10 - TxBF Restricted Band Edge Results



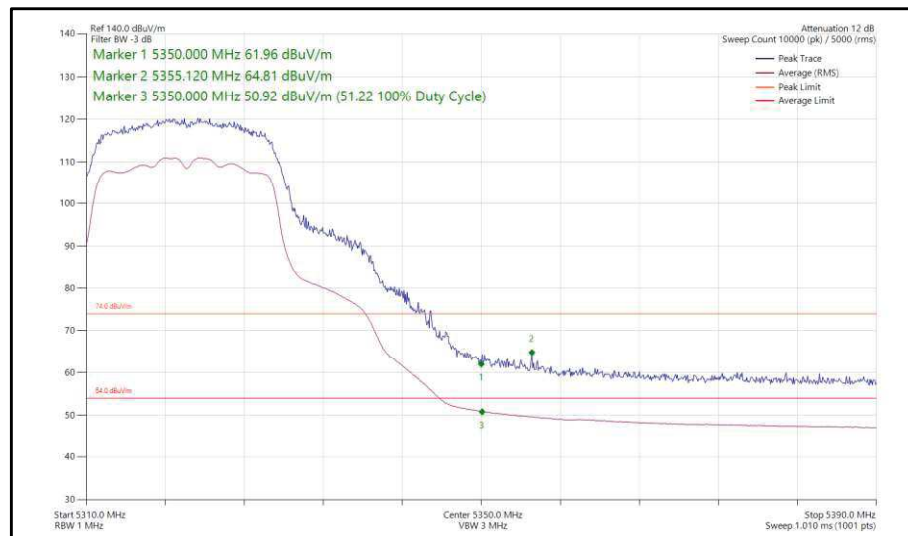
**Figure 77 - 802.11ac VHT20, TxBF, Core 0 + Core 1 - 5180 MHz
Band Edge Frequency 5150 MHz**



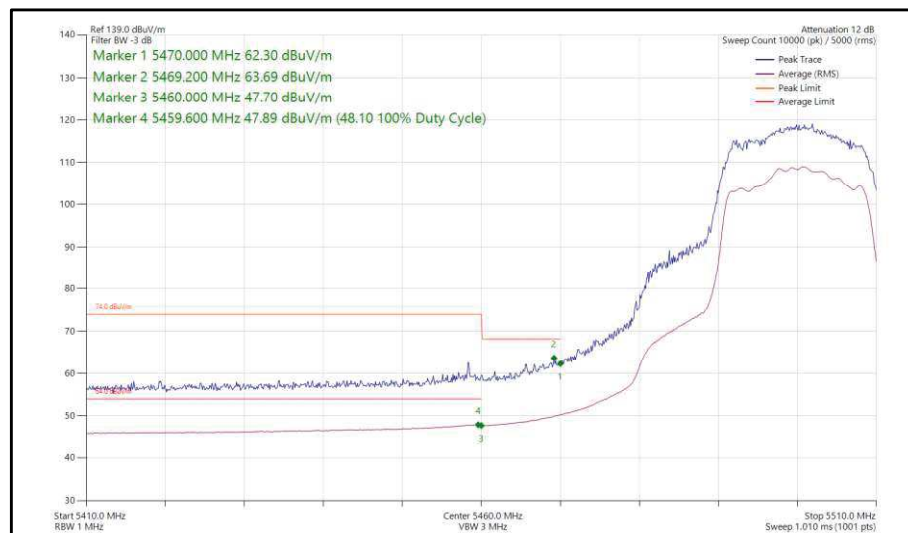
**Figure 78 - 802.11ac VHT20, TxBF, Core 0 + Core 1 - 5200 MHz
Band Edge Frequency 5150 MHz**



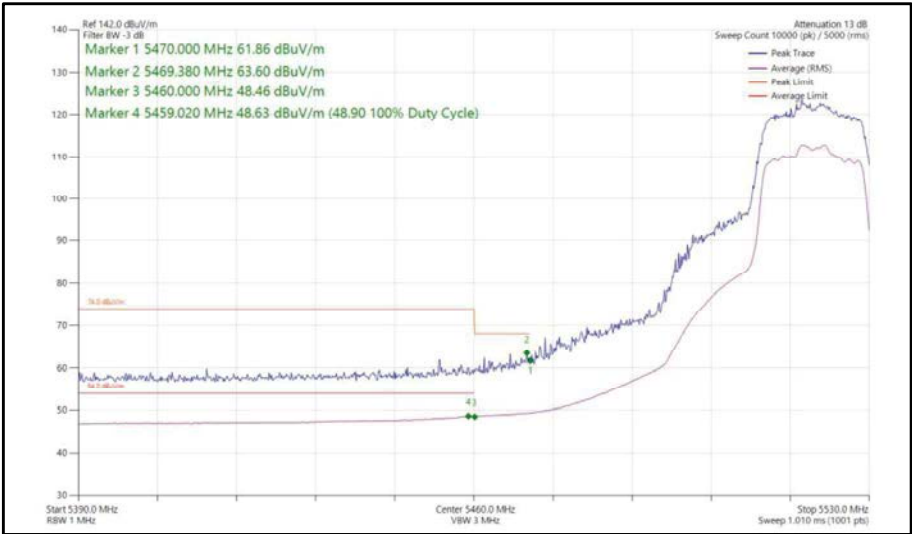
**Figure 79 - 802.11ac VHT20, TxBF, Core 0 + Core 1 - 5300 MHz
Band Edge Frequency 5350 MHz**



**Figure 80 - 802.11ac VHT20, TxBF, Core 0 + Core 1 - 5320 MHz
Band Edge Frequency 5350 MHz**



**Figure 81 - 802.11ac VHT20, TxBF, Core 0 + Core 1 - 5500 MHz
Band Edge Frequency 5460 MHz**



**Figure 82 - 802.11ac VHT20, TxBF, Core 0 + Core 1 - 5520 MHz
Band Edge Frequency 5460 MHz**



40 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11n HT40	MCS7	-	-	5190	5150	69.44	50.37
802.11n HT40	MCS7	-	-	5230	5150	66.63	50.07
802.11ax HE40	MCS11x1	SU	-	5190	5150	64.51	49.12
802.11ax HE40	MCS11x1	106	56	5190	5150	60.92	47.14
802.11ax HE40	MCS11x1	SU	-	5230	5150	66.09	50.07
802.11ax HE40	MCS11x1	106	53	5230	5150	56.08	44.46
802.11n HT40	MCS2	-	-	5270	5350	62.05	49.33
802.11n HT40	MCS7	-	-	5310	5350	69.15	50.25
802.11ax HE40	MCS11x1	SU	-	5270	5350	66.99	48.77
802.11ax HE40	MCS11x1	106	56	5270	5350	56.13	44.64
802.11ax HE40	MCS11x1	SU	-	5310	5350	67.07	50.55
802.11ax HE40	MCS11x1	106	53	5310	5350	68.10	49.82
802.11n HT40	MCS4	-	-	5510	5460	63.43	47.96
802.11n HT40	MCS7	-	-	5550	5460	63.38	47.07
802.11n HT40	MCS7	-	-	5590	5460	58.84	46.32
802.11ax HE40	MCS4x1	SU	-	5510	5460	63.31	48.39
802.11ax HE40	MCS11x1	52	44	5510	5460	60.61	45.89
802.11ax HE40	MCS4x1	SU	-	5550	5460	63.59	47.46
802.11ax HE40	MCS11x1	106	53	5550	5460	56.45	44.48
802.11ax HE40	MCS11x1	SU	-	5590	5460	58.92	46.15

Table 11 - SISO Restricted Band Edge Results

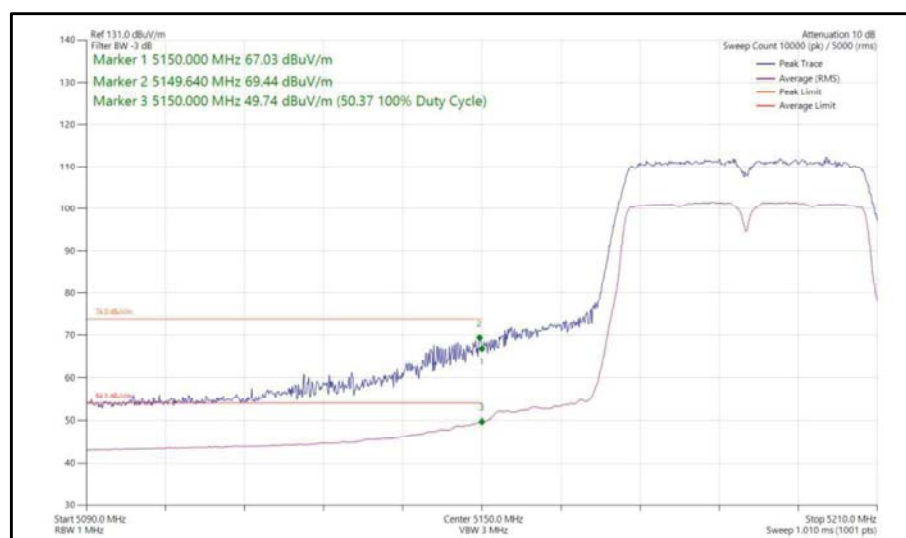


Figure 83 - 802.11n HT40, SISO, Core 0 - 5190 MHz Band Edge Frequency 5150 MHz

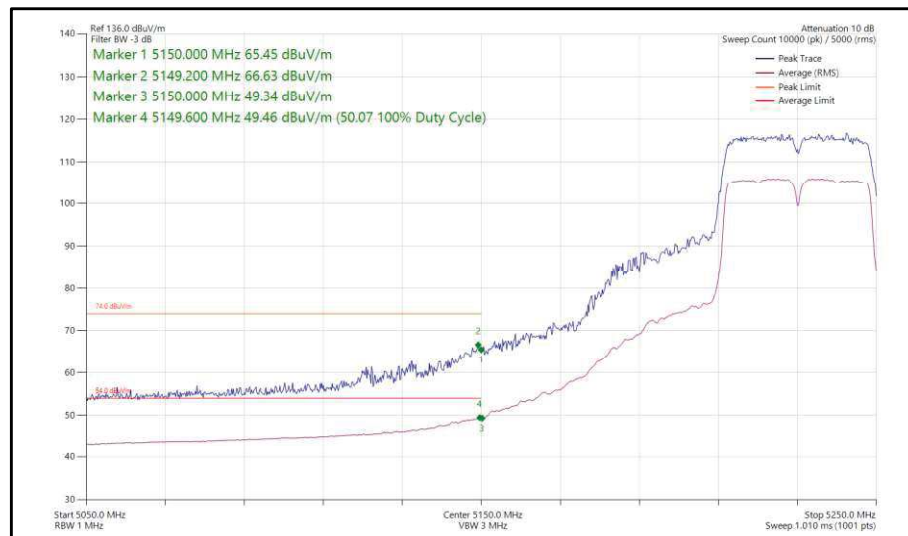


Figure 84 - 802.11n HT40, SISO, Core 0 - 5230 MHz Band Edge Frequency 5150 MHz

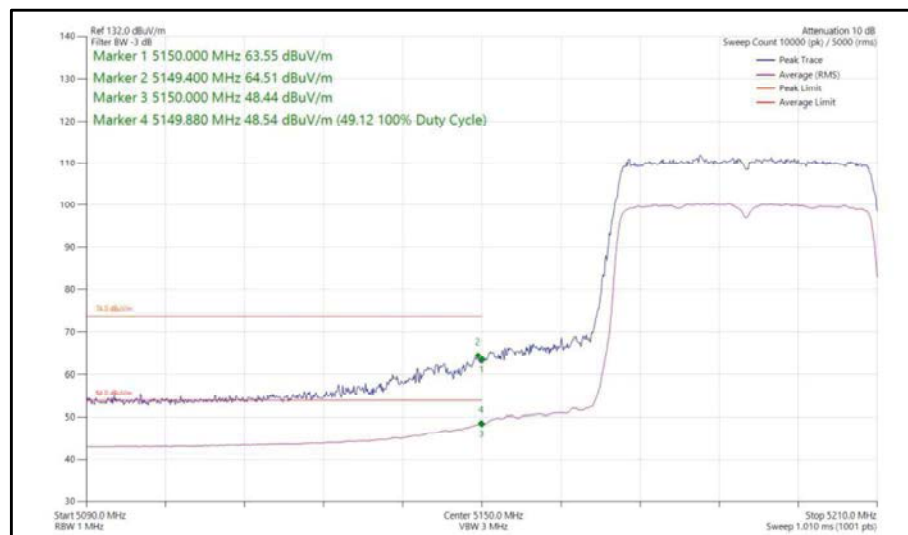


Figure 85 - 802.11ax HE40, SU, SISO, Core 0 - 5190 MHz Band Edge Frequency 5150 MHz

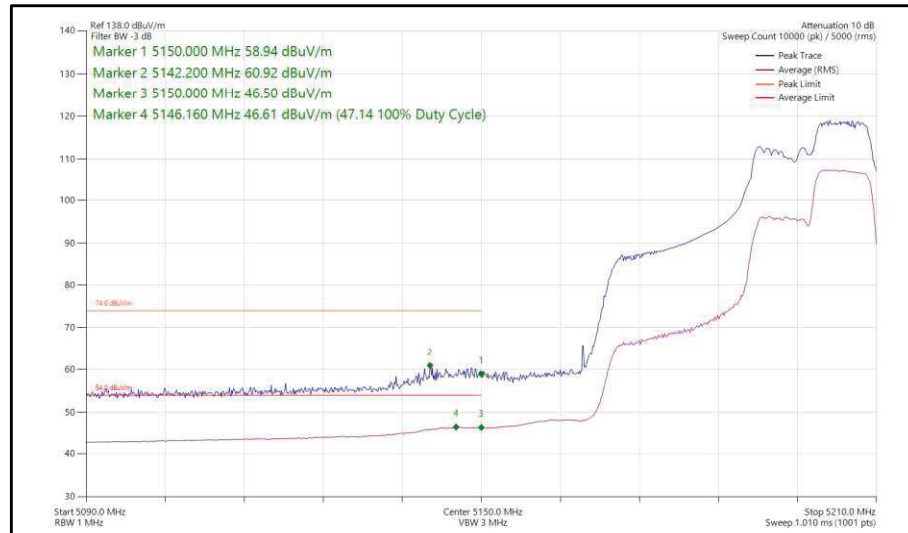


Figure 86 - 802.11ax HE40, RU 106-56, SISO, Core 0 - 5190 MHz Band Edge Frequency 5150 MHz

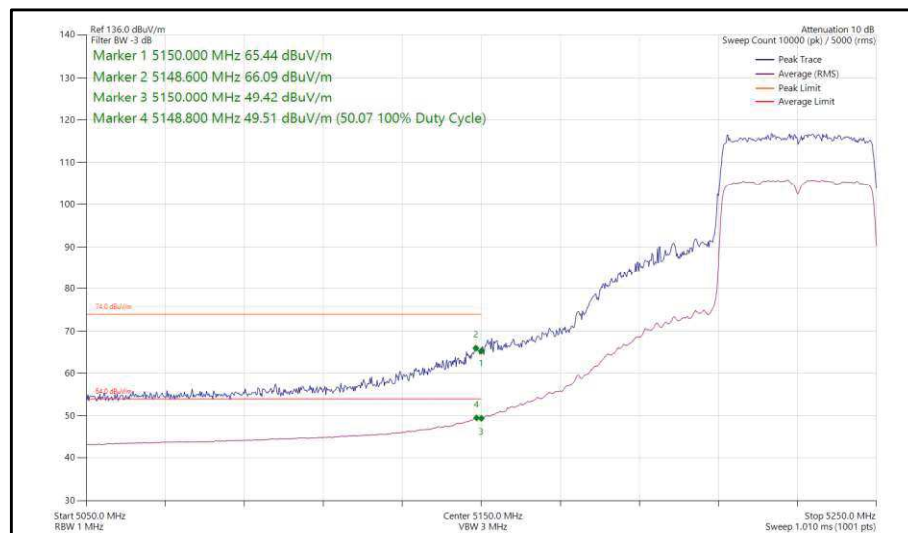


Figure 87 - 802.11ax HE40, SU, SISO, Core 0 - 5230 MHz Band Edge Frequency 5150 MHz

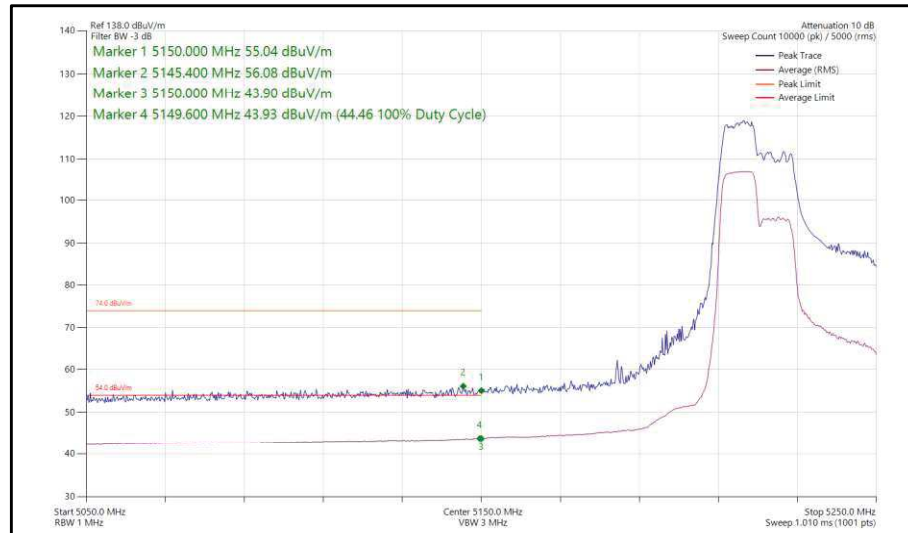


Figure 88 - 802.11ax HE40, RU 106-53, SISO, Core 0 - 5230 MHz Band Edge Frequency 5150 MHz

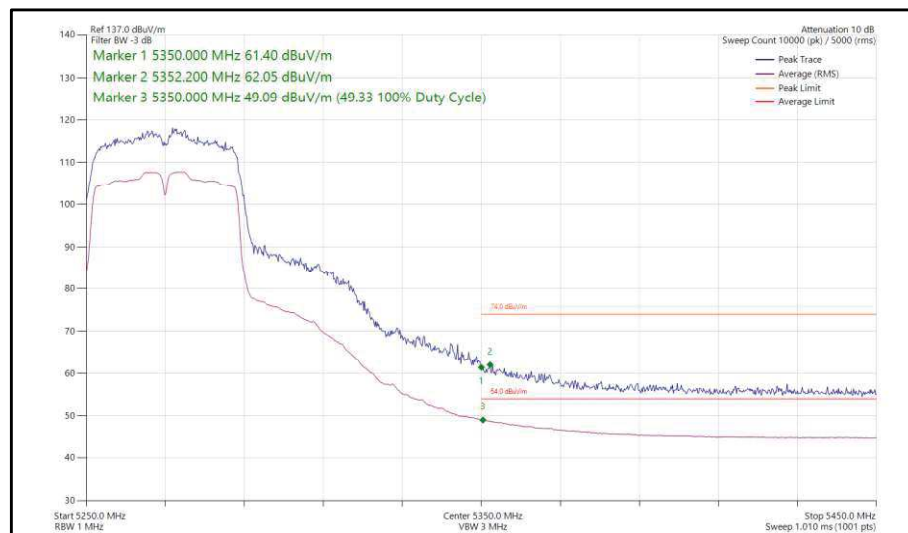


Figure 89 - 802.11n HT40, SISO, Core 0 - 5270 MHz Band Edge Frequency 5350 MHz

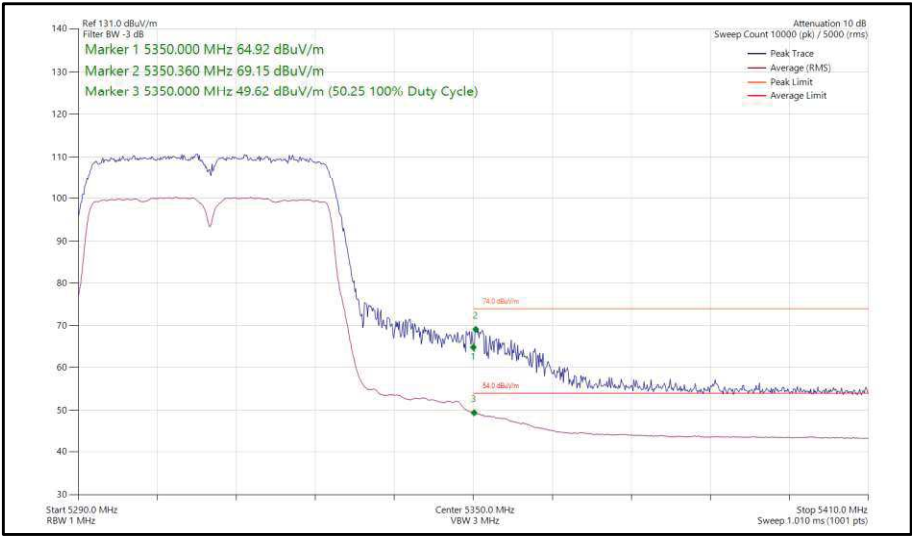


Figure 90 - 802.11n HT40, SISO, Core 0 - 5310 MHz Band Edge Frequency 5350 MHz

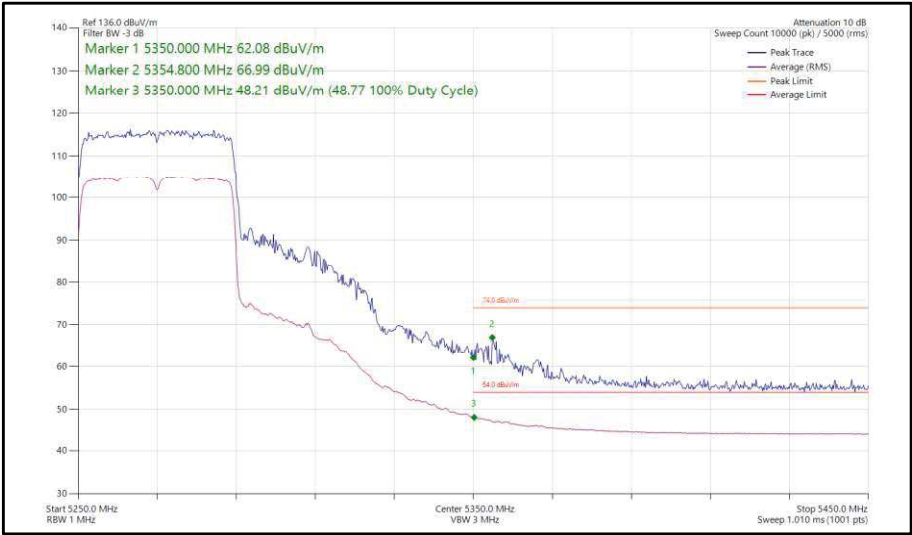


Figure 91 - 802.11ax HE40, SU, SISO, Core 0 - 5270 MHz Band Edge Frequency 5350 MHz

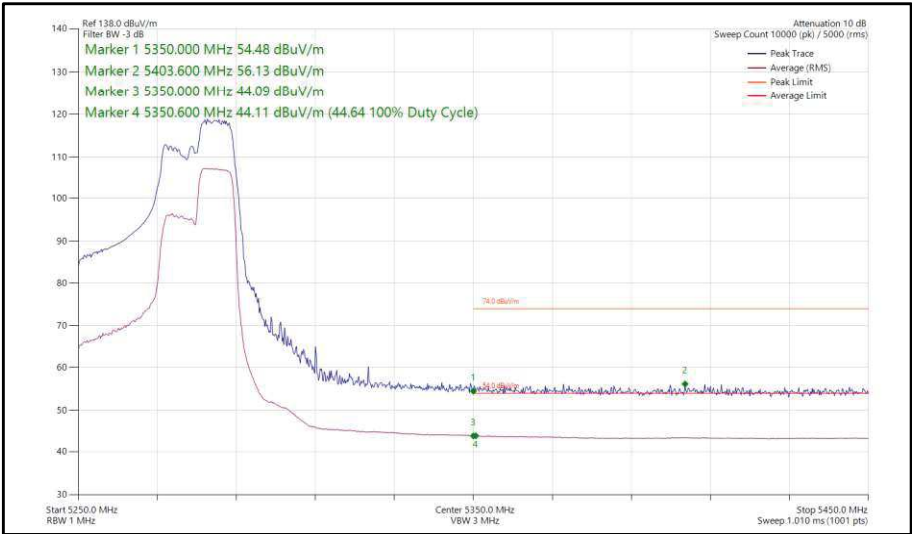


Figure 92 - 802.11ax HE40, RU 106-56, SISO, Core 0 - 5270 MHz Band Edge Frequency 5350 MHz

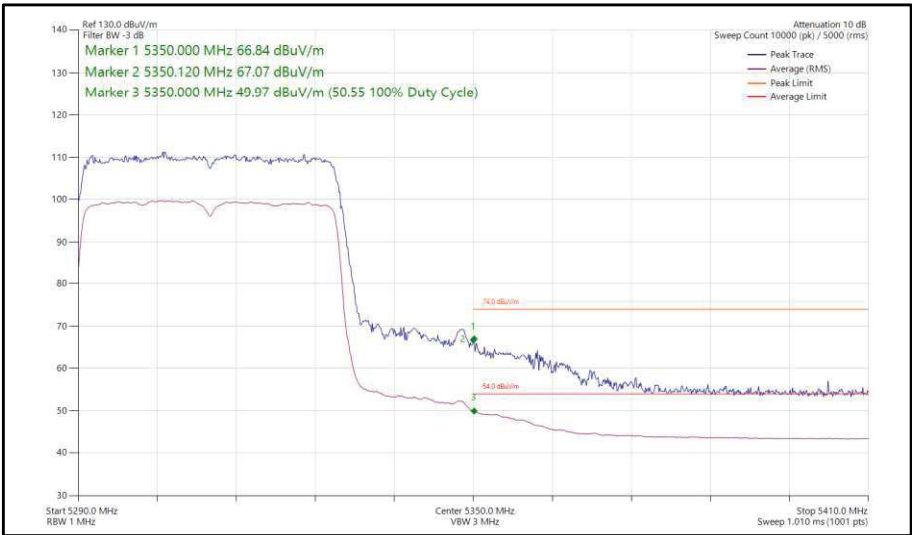


Figure 93 - 802.11ax HE40, SU, SISO, Core 0 - 5310 MHz Band Edge Frequency 5350 MHz

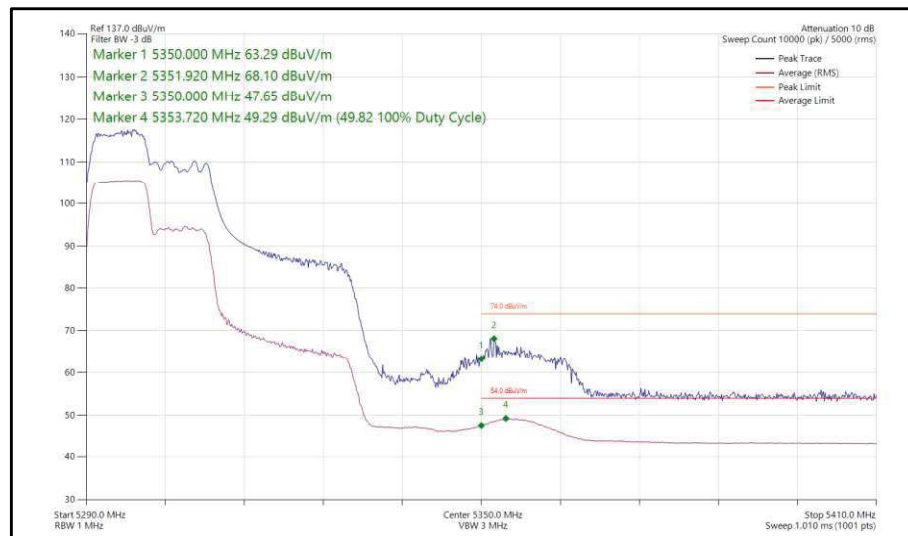


Figure 94 - 802.11ax HE40, RU 106-53, SISO, Core 0 - 5310 MHz Band Edge Frequency 5350 MHz

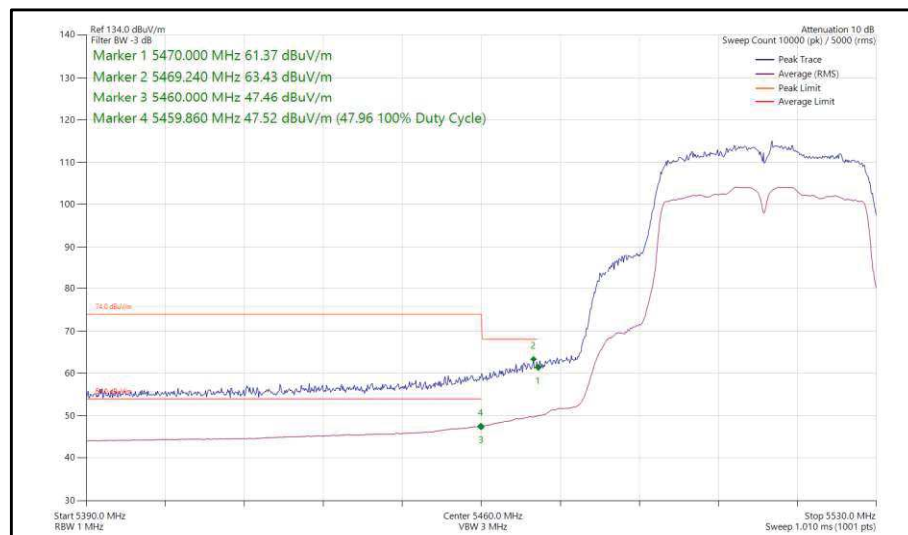


Figure 95 - 802.11n HT40, SISO, Core 0 - 5510 MHz Band Edge Frequency 5460 MHz

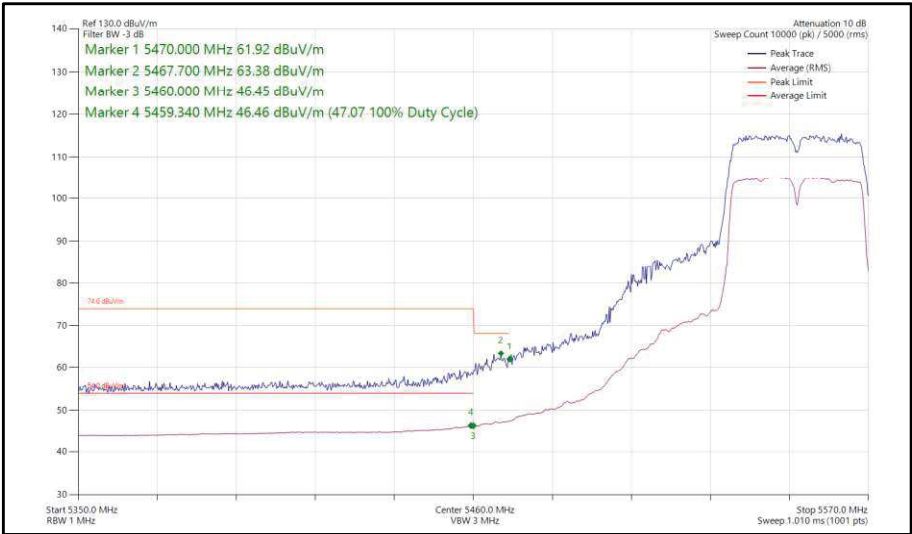


Figure 96 - 802.11n HT40, SISO, Core 0 - 5550 MHz Band Edge Frequency 5460 MHz

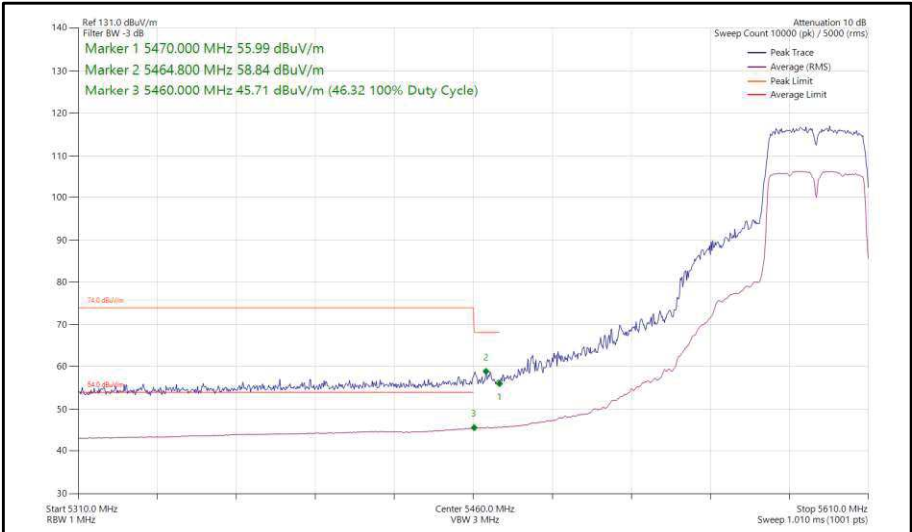


Figure 97 - 802.11n HT40, SISO, Core 0 - 5590 MHz Band Edge Frequency 5460 MHz

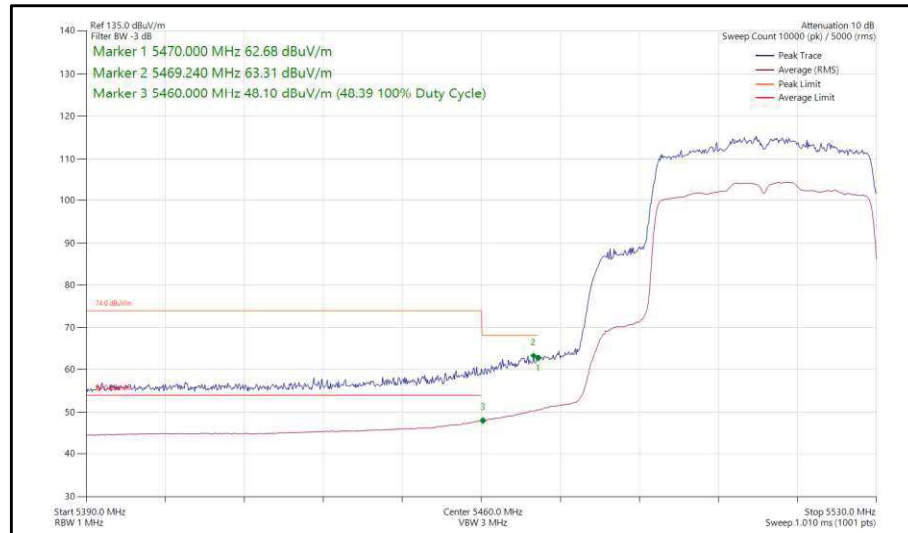


Figure 98 - 802.11ax HE40, SU, SISO, Core 0 - 5510 MHz Band Edge Frequency 5460 MHz

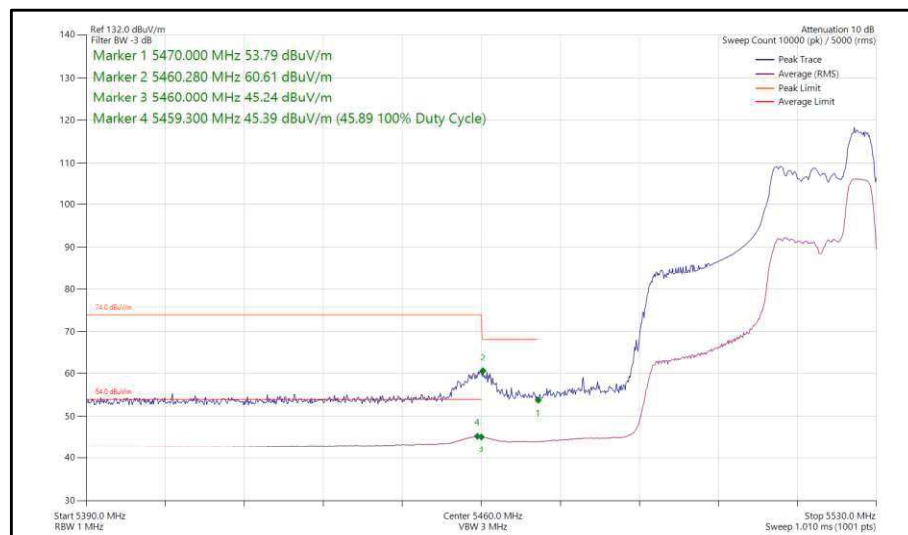


Figure 99 - 802.11ax HE40, RU 52-44, SISO, Core 0 - 5510 MHz Band Edge Frequency 5460 MHz

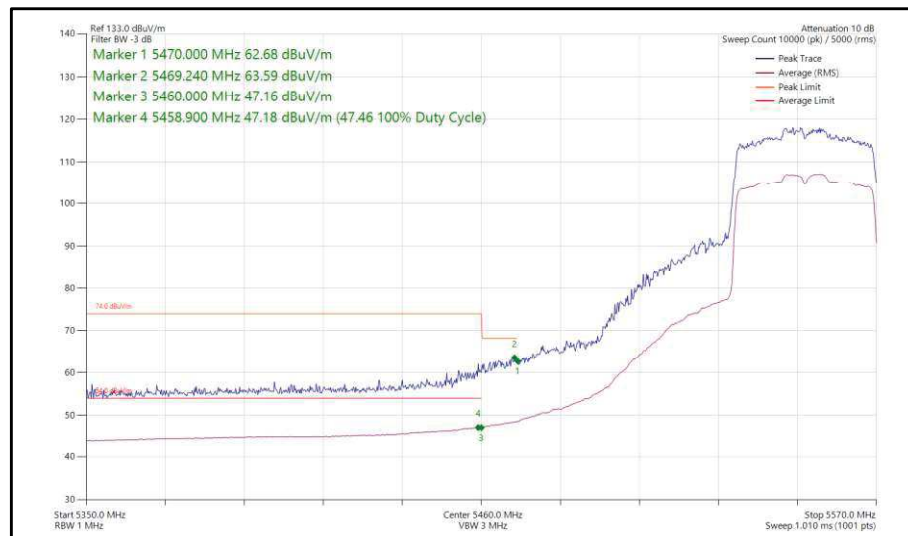


Figure 100 - 802.11ax HE40, SU, SISO, Core 0 - 5550 MHz Band Edge Frequency 5460 MHz

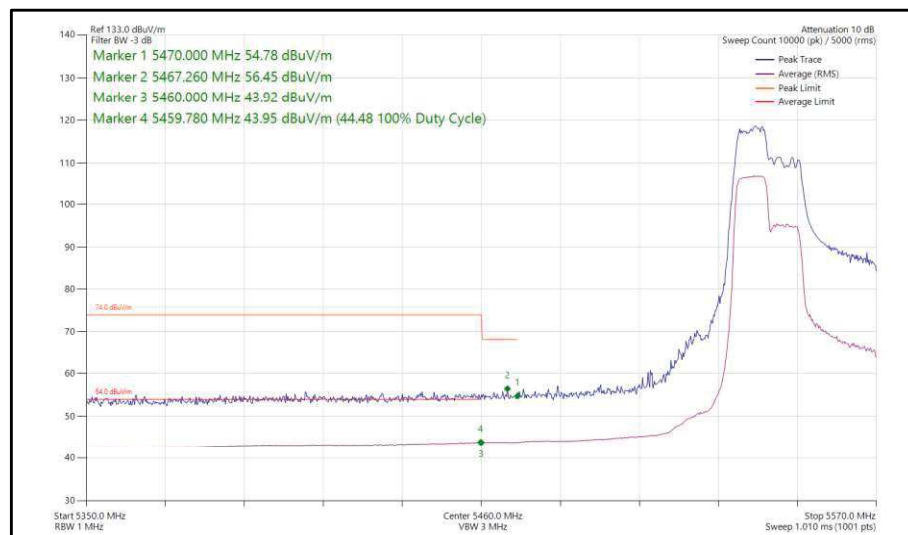


Figure 101 - 802.11ax HE40, RU 106-53, SISO, Core 0 - 5550 MHz Band Edge Frequency 5460 MHz

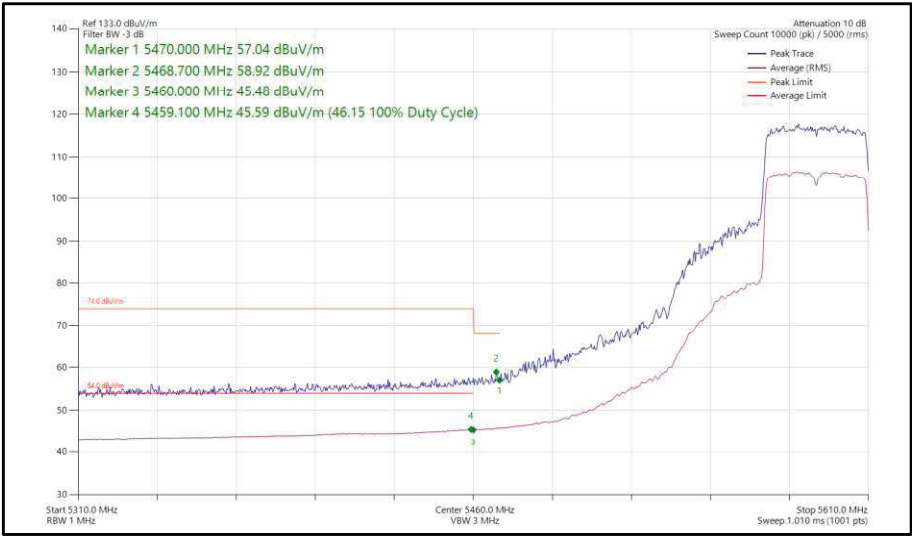


Figure 102 - 802.11ax HE40, SU, SISO, Core 0 - 5590 MHz Band Edge Frequency 5460 MHz



40 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11n HT40	MCS7	-	-	5190	5150	67.39	48.71
802.11n HT40	MCS7	-	-	5230	5150	65.46	49.37
802.11ax HE40	MCS11x1	SU	-	5190	5150	63.65	47.78
802.11ax HE40	MCS11x1	106	56	5190	5150	60.44	46.30
802.11ax HE40	MCS4x1	SU	-	5230	5150	65.06	49.51
802.11ax HE40	MCS11x1	106	53	5230	5150	55.61	43.98
802.11n HT40	MCS2	-	-	5270	5350	58.98	47.23
802.11n HT40	MCS2	-	-	5310	5350	58.40	47.08
802.11ax HE40	MCS4x1	SU	-	5270	5350	62.19	47.04
802.11ax HE40	MCS11x1	106	56	5270	5350	56.02	44.01
802.11ax HE40	MCS11x1	SU	-	5310	5350	62.83	47.50
802.11ax HE40	MCS11x1	106	53	5310	5350	65.41	47.58
802.11n HT40	MCS4	-	-	5510	5460	63.58	48.39
802.11n HT40	MCS2	-	-	5550	5460	63.70	47.99
802.11n HT40	MCS7	-	-	5590	5460	58.12	45.96
802.11ax HE40	MCS11x1	SU	-	5510	5460	63.51	46.62
802.11ax HE40	MCS11x1	106	56	5510	5460	61.22	45.72
802.11ax HE40	MCS4x1	SU	-	5550	5460	63.11	46.80
802.11ax HE40	MCS11x1	106	53	5550	5460	57.17	44.60
802.11ax HE40	MCS11x1	SU	-	5590	5460	59.78	45.96

Table 12 - SISO Restricted Band Edge Results

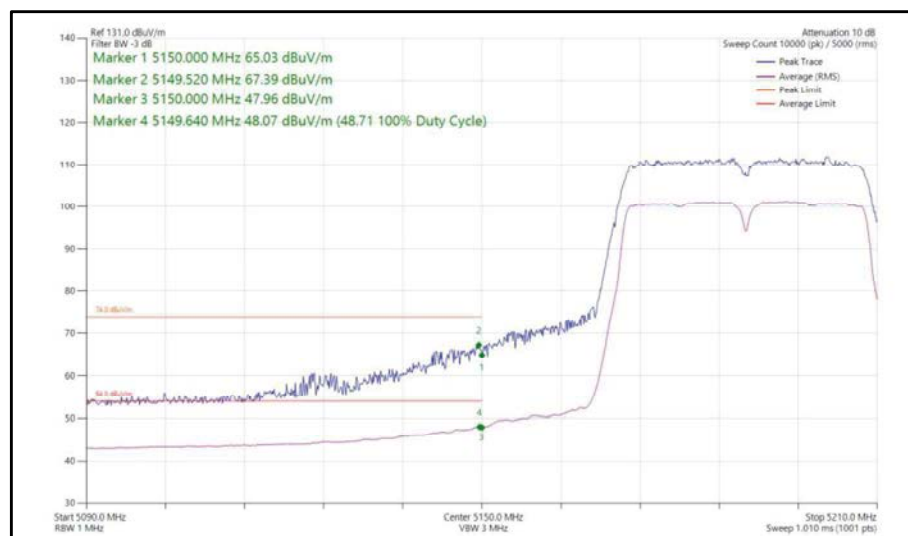


Figure 103 - 802.11n HT40, SISO, Core 1 - 5190 MHz Band Edge Frequency 5150 MHz

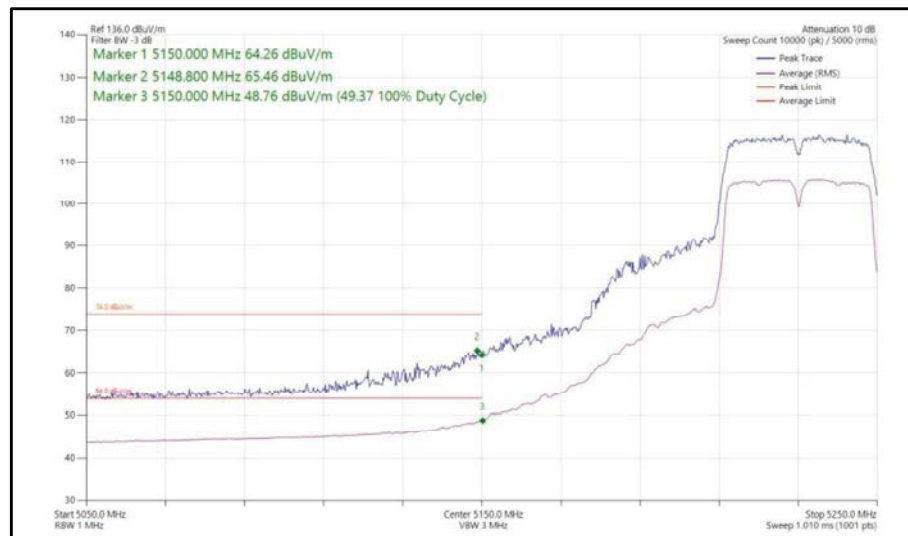


Figure 104 - 802.11n HT40, SISO, Core 1 - 5230 MHz Band Edge Frequency 5150 MHz

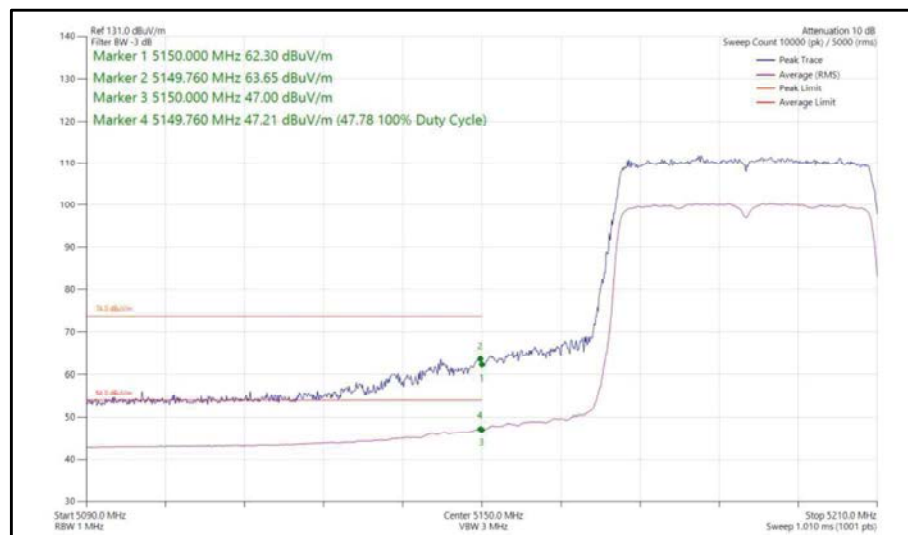


Figure 105 - 802.11ax HE40, SU, SISO, Core 1 - 5190 MHz Band Edge Frequency 5150 MHz

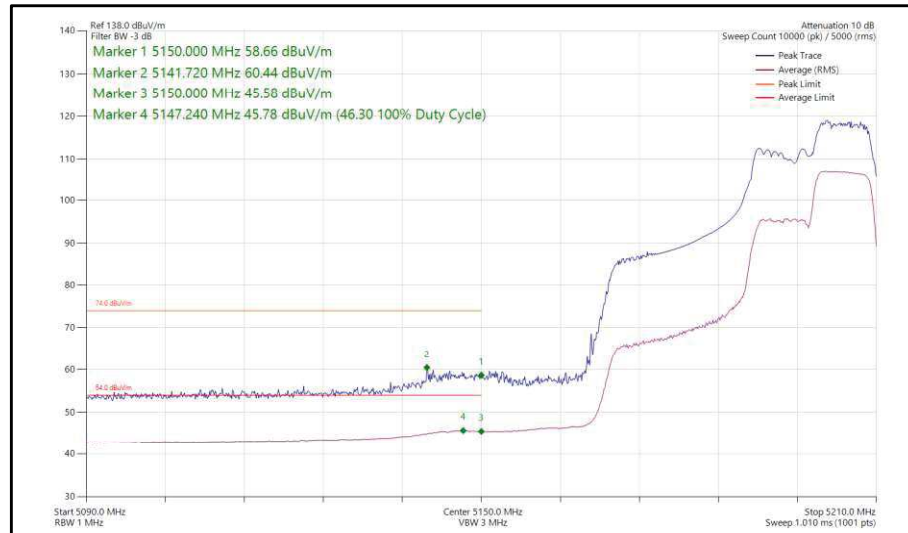


Figure 106 - 802.11ax HE40, RU 106-56, SISO, Core 1 - 5190 MHz Band Edge Frequency 5150 MHz

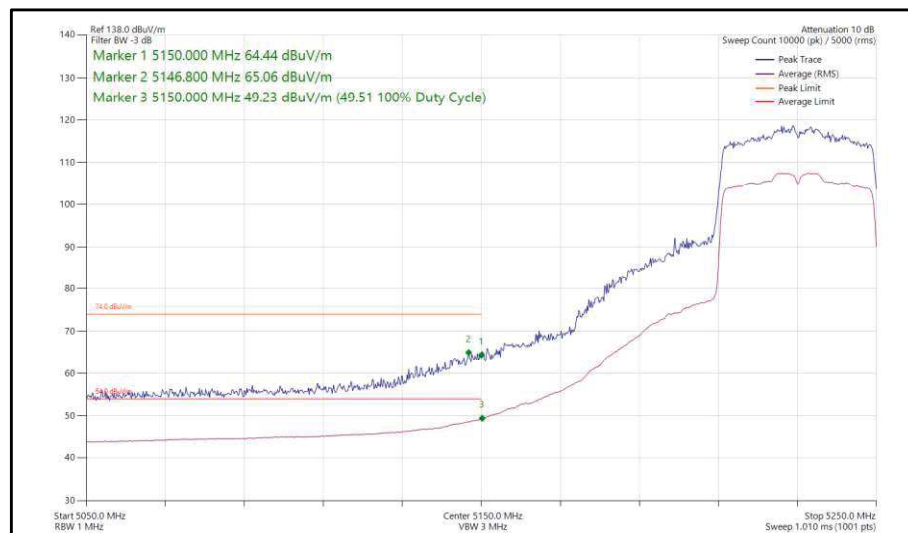


Figure 107 - 802.11ax HE40, SU, SISO, Core 1 - 5230 MHz Band Edge Frequency 5150 MHz

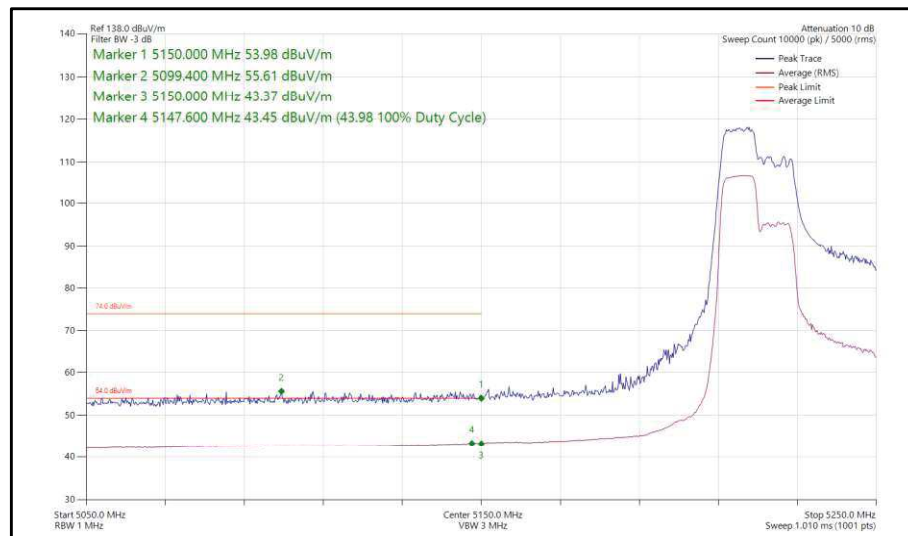


Figure 108 - 802.11ax HE40, RU 106-53, SISO, Core 1 - 5230 MHz Band Edge Frequency 5150 MHz

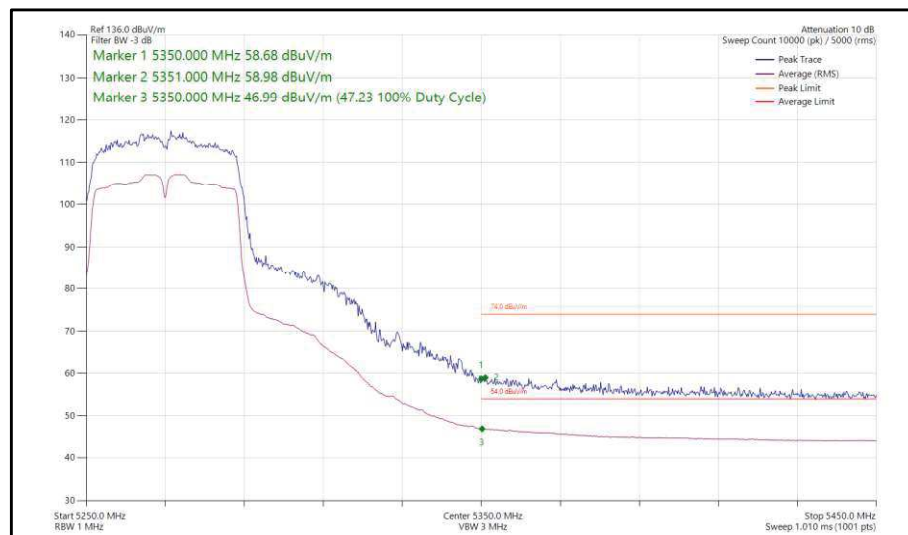


Figure 109 - 802.11n HT40, SISO, Core 1 - 5270 MHz Band Edge Frequency 5350 MHz

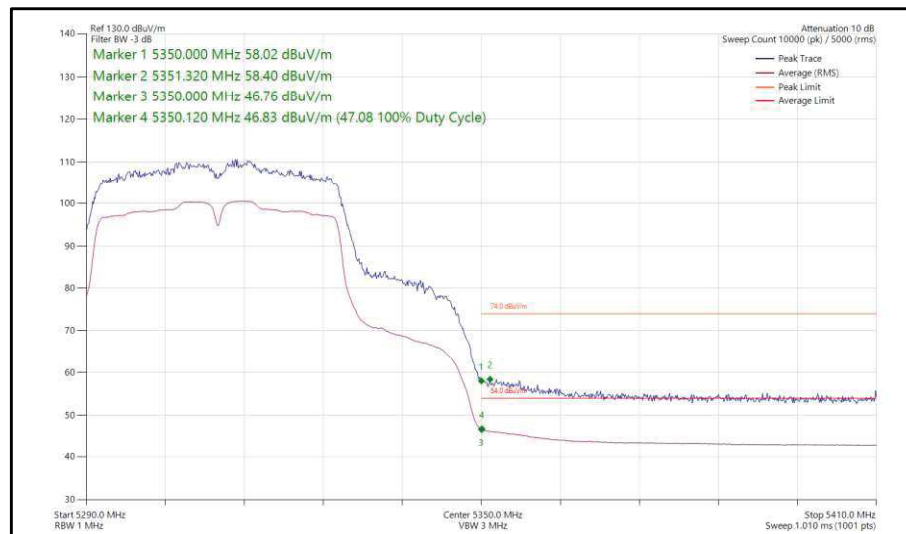


Figure 110 - 802.11n HT40, SISO, Core 1 - 5310 MHz Band Edge Frequency 5350 MHz

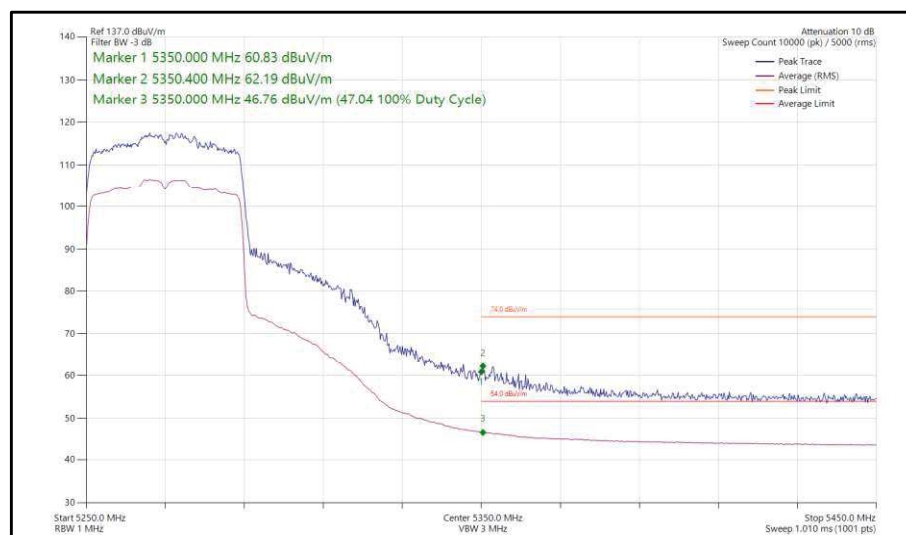


Figure 111 - 802.11ax HE40, SU, SISO, Core 1 - 5270 MHz Band Edge Frequency 5350 MHz

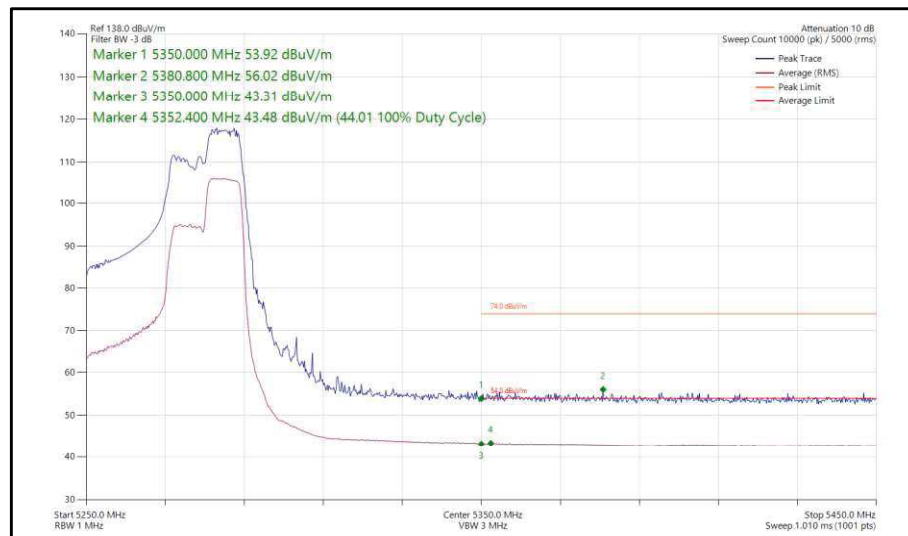


Figure 112 - 802.11ax HE40, RU 106-56, SISO, Core 1 - 5270 MHz Band Edge Frequency 5350 MHz

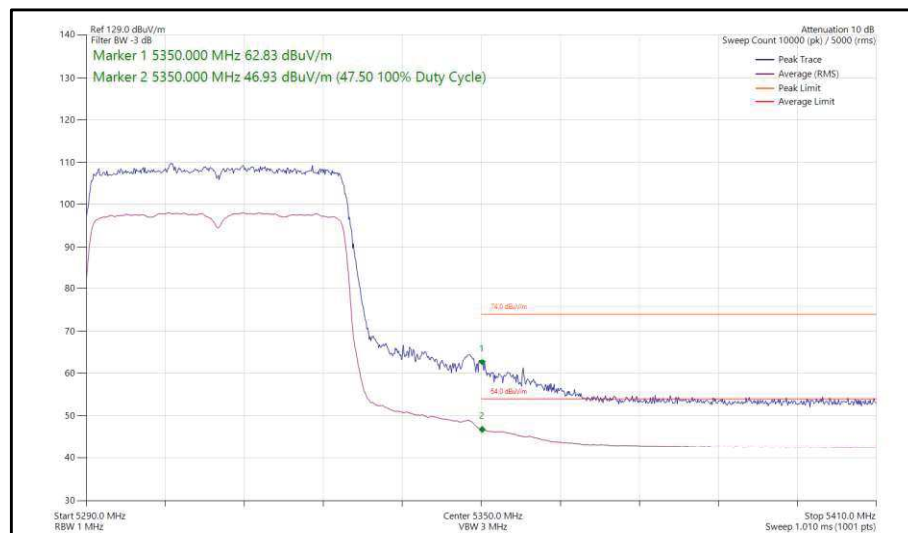


Figure 113 - 802.11ax HE40, SU, SISO, Core 1 - 5310 MHz Band Edge Frequency 5350 MHz

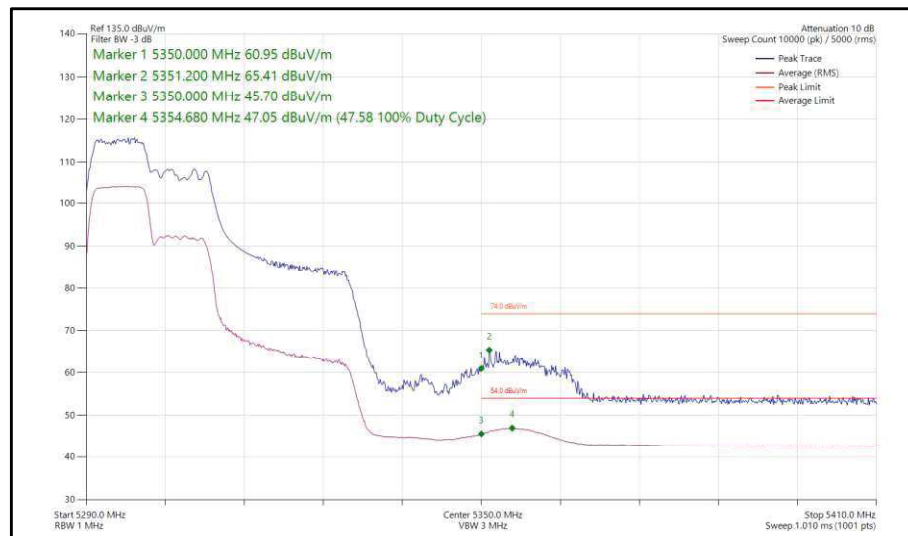


Figure 114 - 802.11ax HE40, RU 106-53, SISO, Core 1 - 5310 MHz Band Edge Frequency 5350 MHz

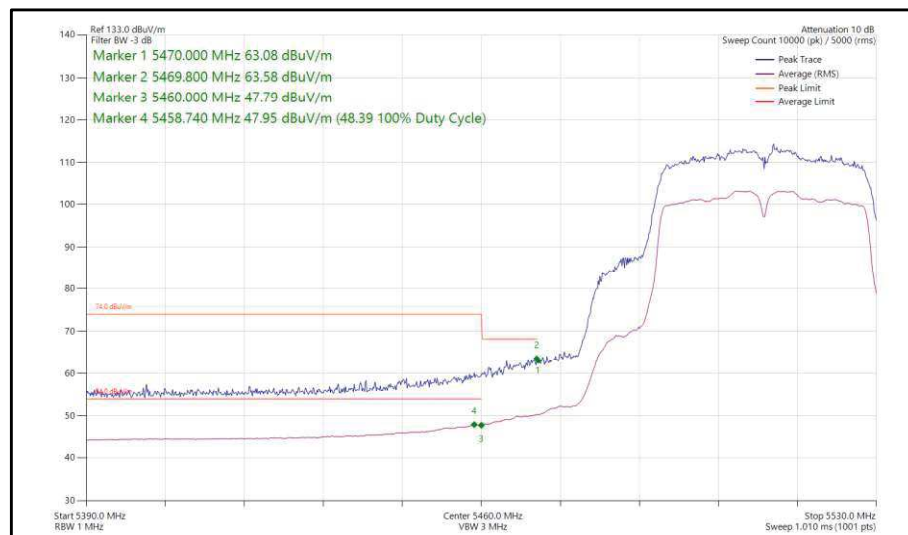


Figure 115 - 802.11n HT40, SISO, Core 1 - 5510 MHz Band Edge Frequency 5460 MHz

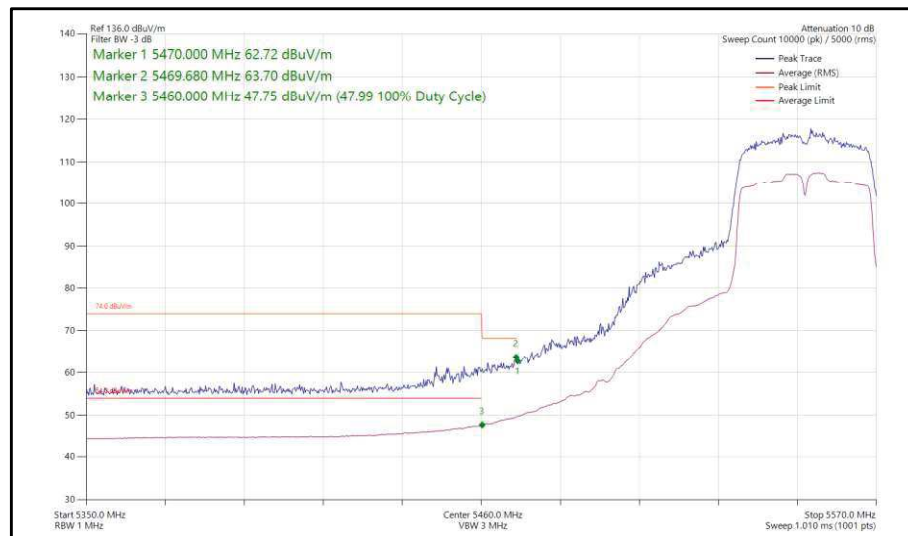


Figure 116 - 802.11n HT40, SISO, Core 1 - 5550 MHz Band Edge Frequency 5460 MHz

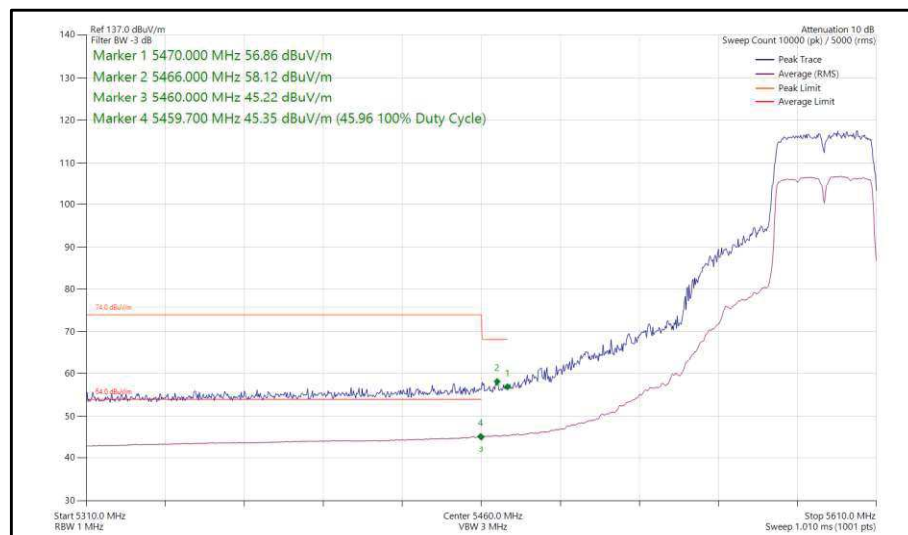


Figure 117 - 802.11n HT40, SISO, Core 1 - 5590 MHz Band Edge Frequency 5460 MHz

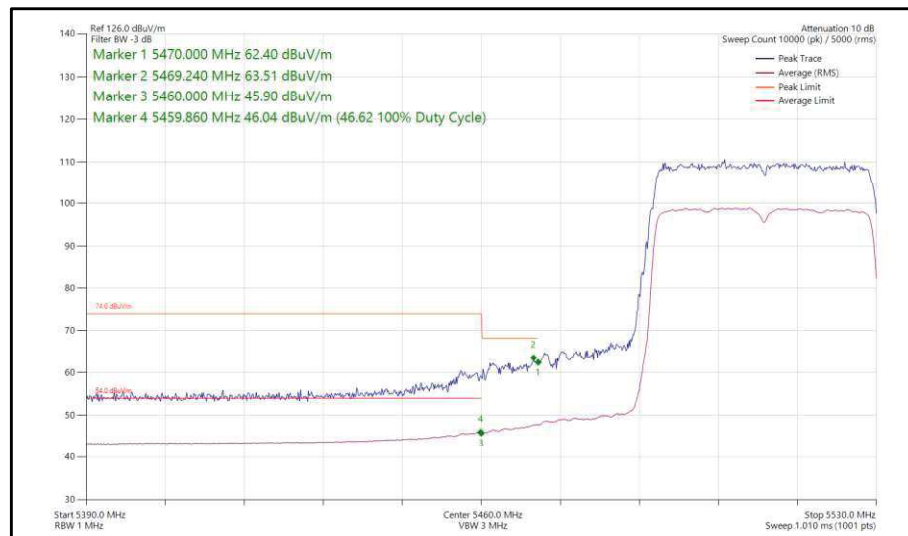


Figure 118 - 802.11ax HE40, SU, SISO, Core 1 - 5510 MHz Band Edge Frequency 5460 MHz

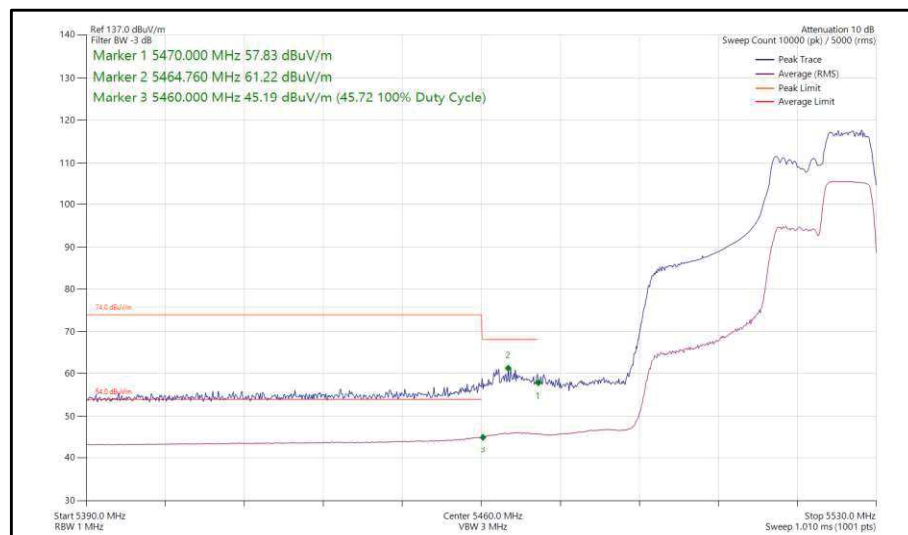


Figure 119 - 802.11ax HE40, RU 106-56, SISO, Core 1 - 5510 MHz Band Edge Frequency 5460 MHz

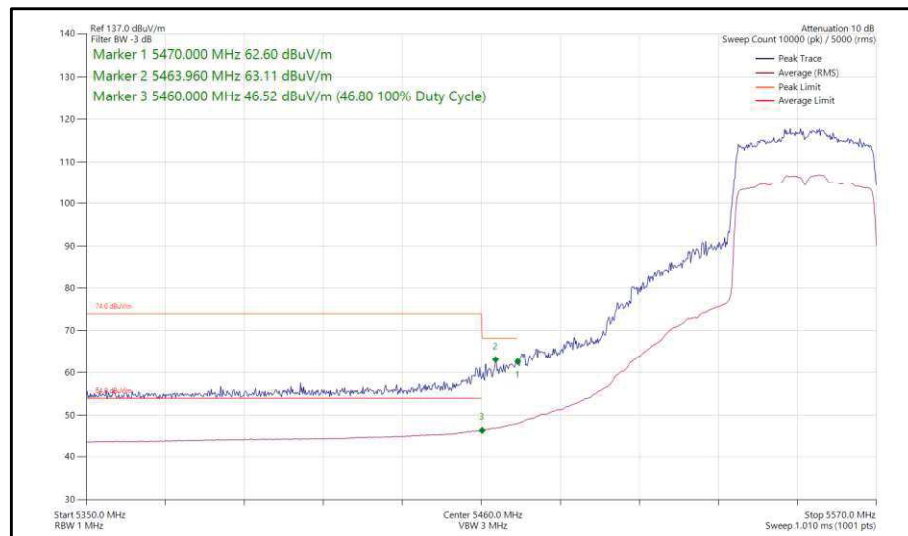


Figure 120 - 802.11ax HE40, SU, SISO, Core 1 - 5550 MHz Band Edge Frequency 5460 MHz

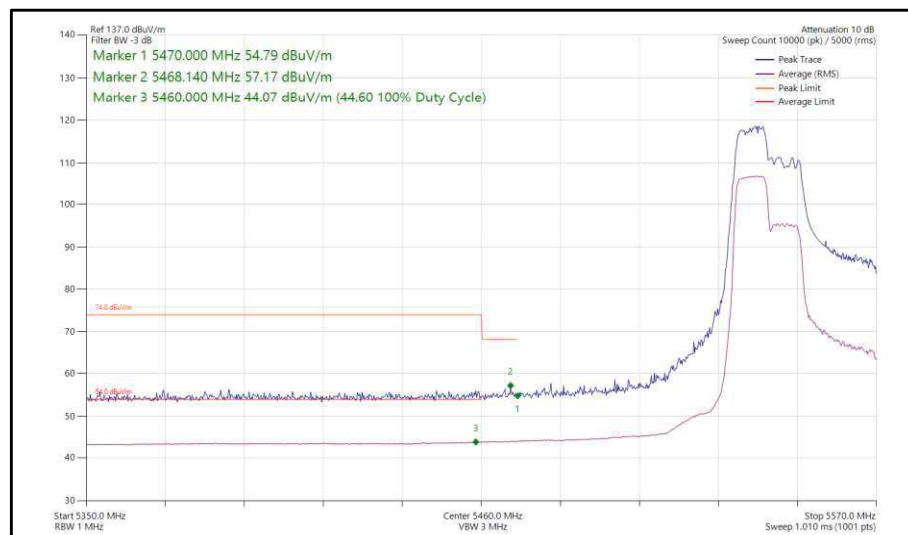


Figure 121 - 802.11ax HE40, RU 106-53, SISO, Core 1 - 5550 MHz Band Edge Frequency 5460 MHz

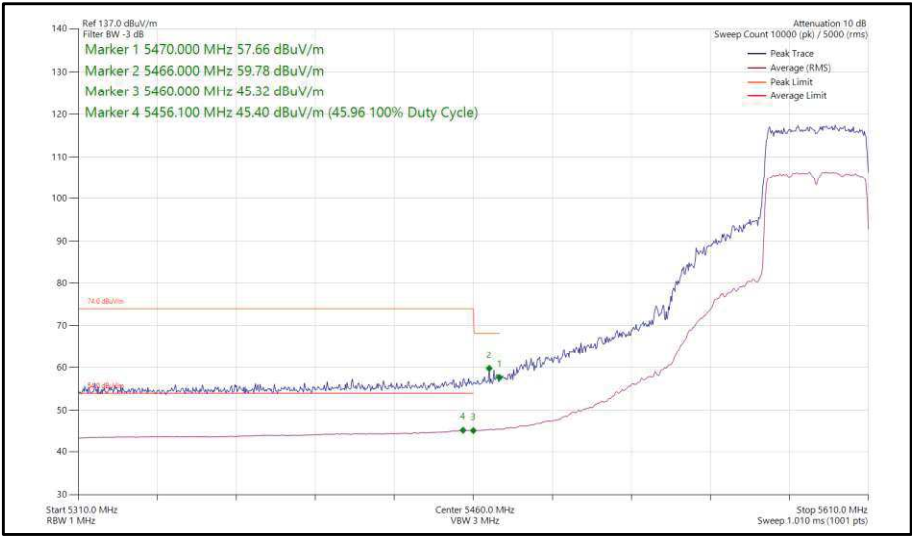


Figure 122 - 802.11ax HE40, SU, SISO, Core 1 - 5590 MHz Band Edge Frequency 5460 MHz



40 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11n HT40	MCS7	-	-	5190	5150	69.23	50.91
802.11n HT40	MCS7	-	-	5230	5150	56.58	44.79
802.11ax HE40	MCS11x1	SU	-	5190	5150	64.79	48.32
802.11ax HE40	MCS11x1	106	56	5190	5150	56.68	43.65
802.11ax HE40	MCS11x1	SU	-	5230	5150	56.04	44.39
802.11ax HE40	MCS11x1	106	53	5230	5150	53.80	42.06
802.11n HT40	MCS7	-	-	5270	5350	57.49	45.74
802.11n HT40	MCS4	-	-	5310	5350	64.44	51.16
802.11ax HE40	MCS11x1	SU	-	5270	5350	58.69	45.43
802.11ax HE40	MCS11x1	106	56	5270	5350	55.81	43.64
802.11ax HE40	MCS11x1	SU	-	5310	5350	67.35	50.29
802.11ax HE40	MCS11x1	106	53	5310	5350	66.74	48.46
802.11n HT40	MCS7	-	-	5510	5460	70.66	50.08
802.11n HT40	MCS7	-	-	5550	5460	59.24	46.78
802.11n HT40	MCS7	-	-	5590	5460	56.87	45.45
802.11ax HE40	MCS11x1	SU	-	5510	5460	63.30	46.07
802.11ax HE40	MCS11x1	106	56	5510	5460	60.95	45.77
802.11ax HE40	MCS11x1	SU	-	5550	5460	59.77	47.08
802.11ax HE40	MCS11x1	106	53	5550	5460	56.01	44.59
802.11ax HE40	MCS11x1	SU	-	5590	5460	56.97	45.97

Table 13 - CDD Restricted Band Edge Results

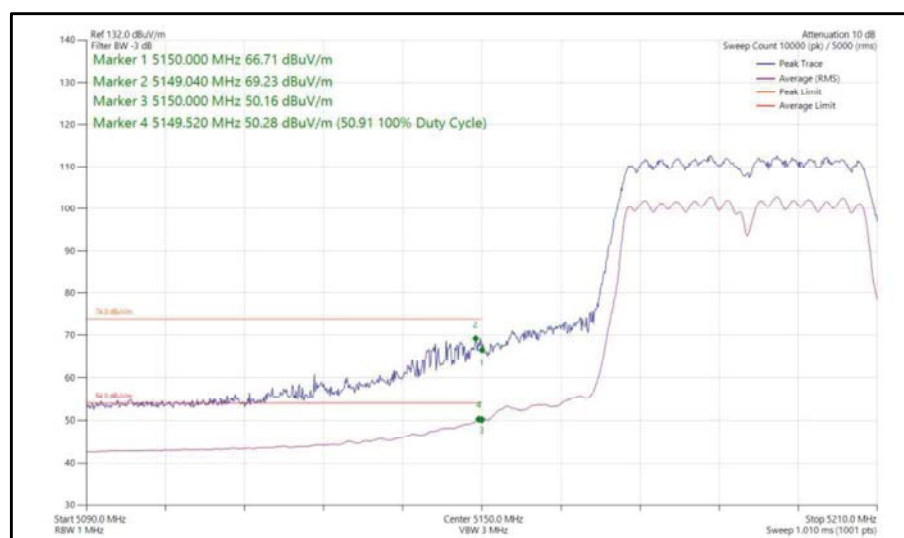


Figure 123 - 802.11n HT40, CDD, Core 0-1 - 5190 MHz Band Edge Frequency 5150 MHz

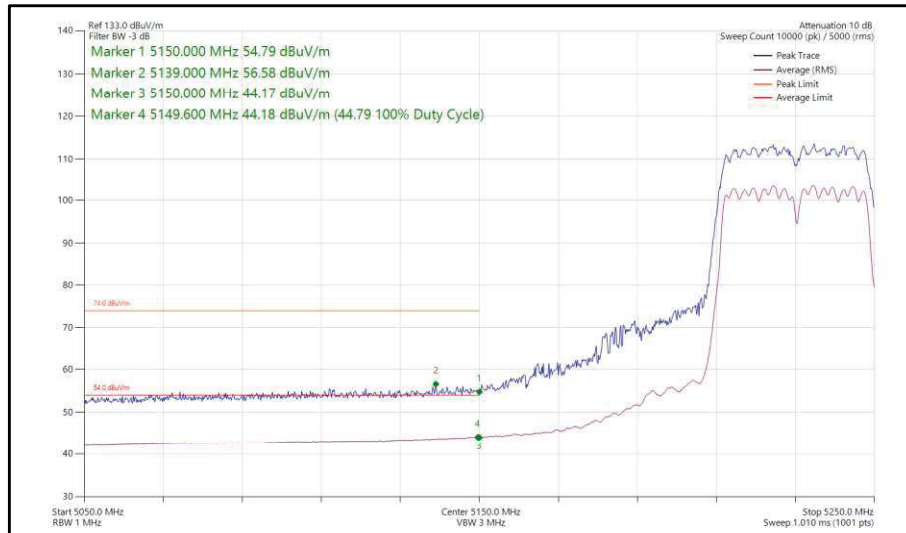


Figure 124 - 802.11n HT40, CDD, Core 0-1 - 5230 MHz Band Edge Frequency 5150 MHz

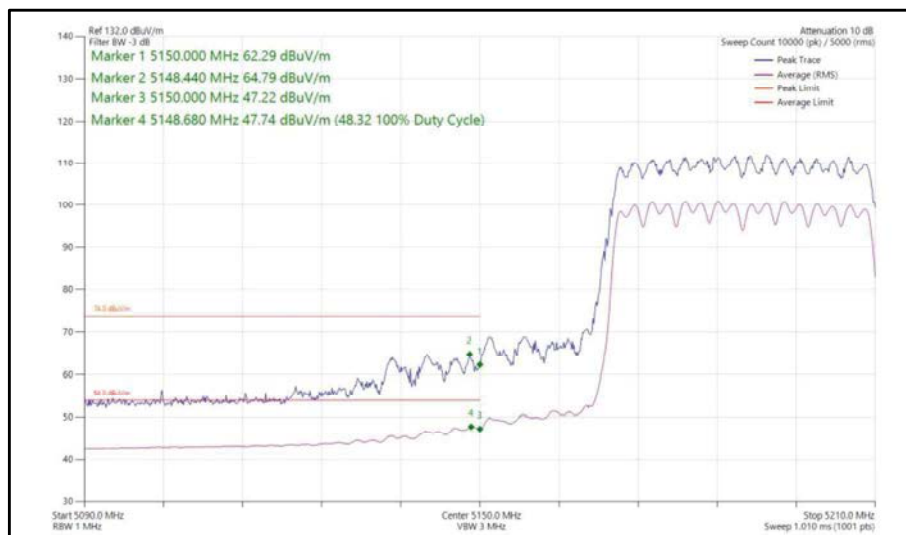


Figure 125 - 802.11ax HE40, SU, CDD, Core 0-1 - 5190 MHz Band Edge Frequency 5150 MHz

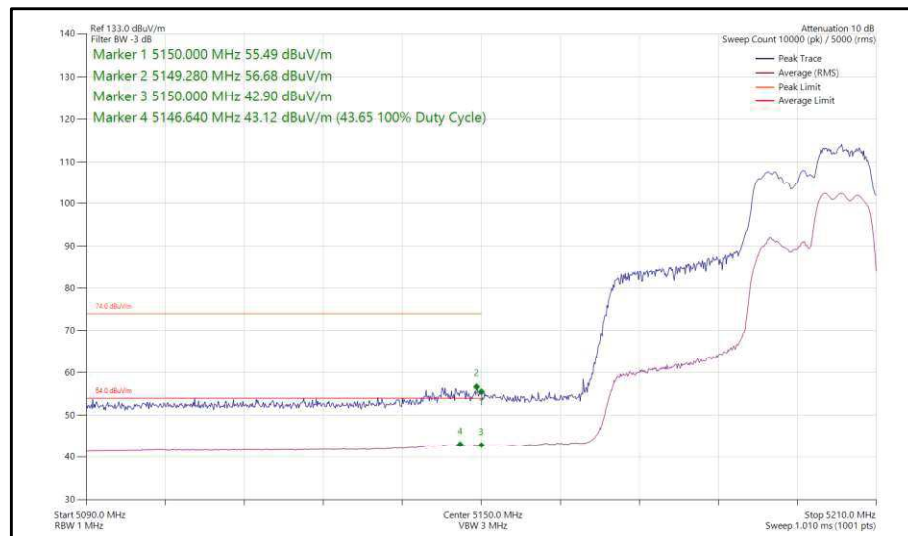


Figure 126 - 802.11ax HE40, RU 106-56, CDD, Core 0-1 - 5190 MHz Band Edge Frequency 5150 MHz

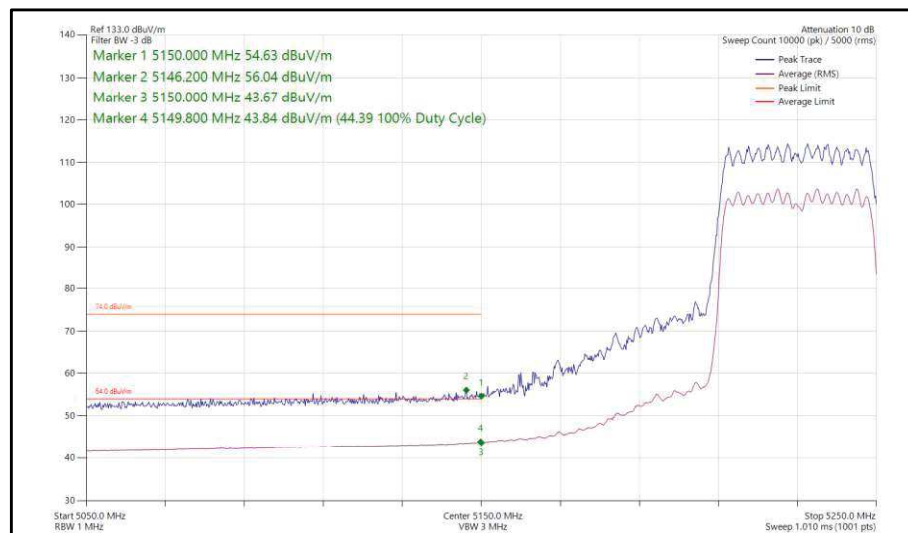


Figure 127 - 802.11ax HE40, SU, CDD, Core 0-1 - 5230 MHz Band Edge Frequency 5150 MHz

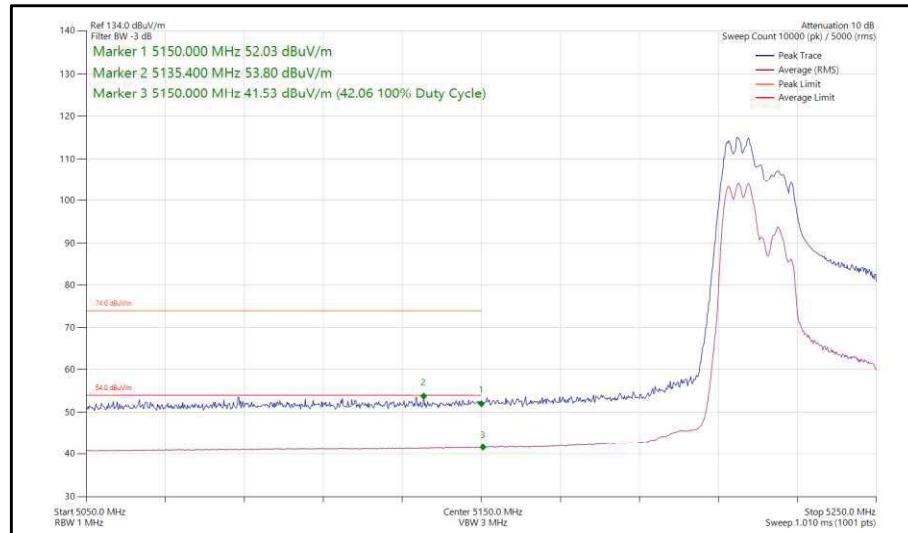


Figure 128 - 802.11ax HE40, RU 106-53, CDD, Core 0-1 - 5230 MHz Band Edge Frequency 5150 MHz

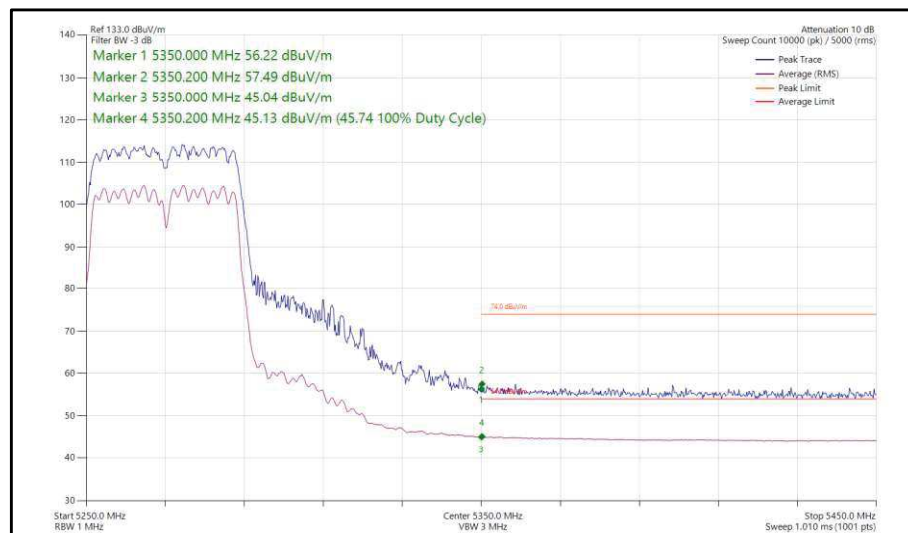


Figure 129 - 802.11n HT40, CDD, Core 0-1 - 5270 MHz Band Edge Frequency 5350 MHz

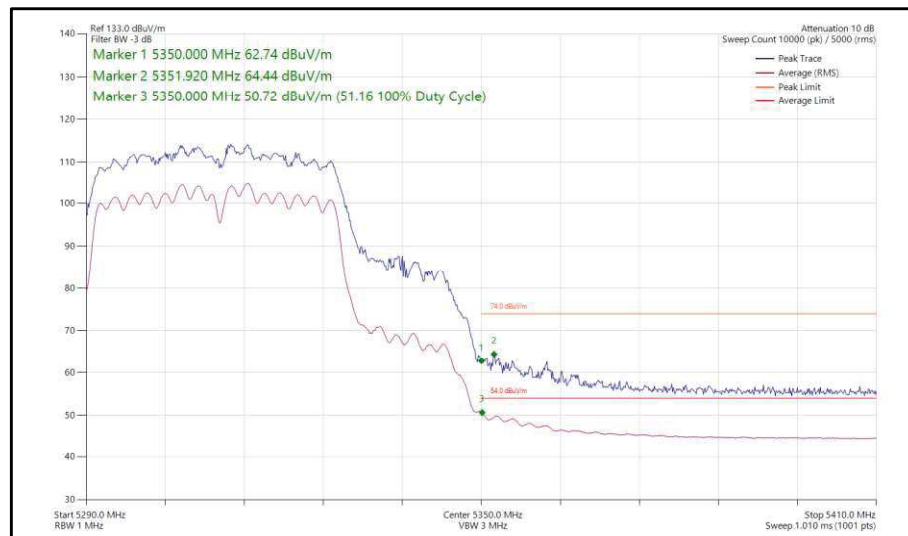


Figure 130 - 802.11n HT40, CDD, Core 0-1 - 5310 MHz Band Edge Frequency 5350 MHz

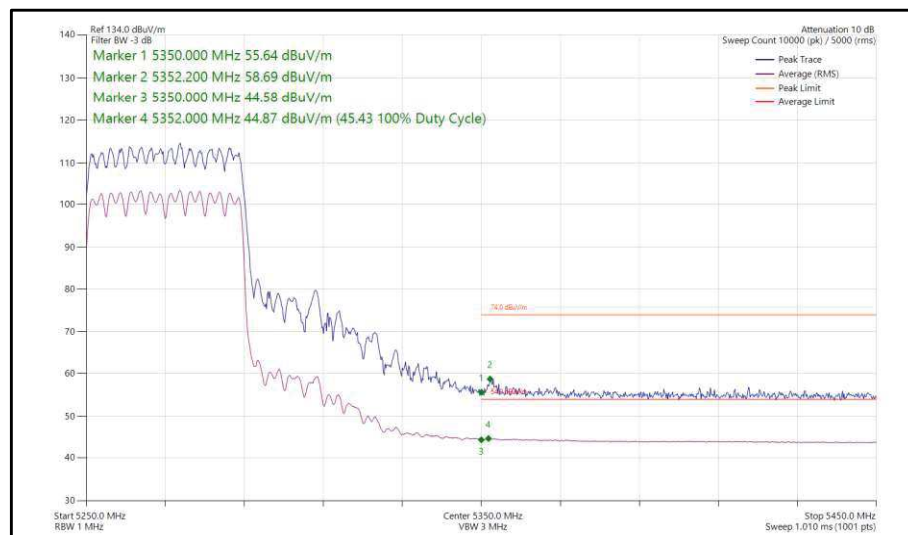


Figure 131 - 802.11ax HE40, SU, CDD, Core 0-1 - 5270 MHz Band Edge Frequency 5350 MHz

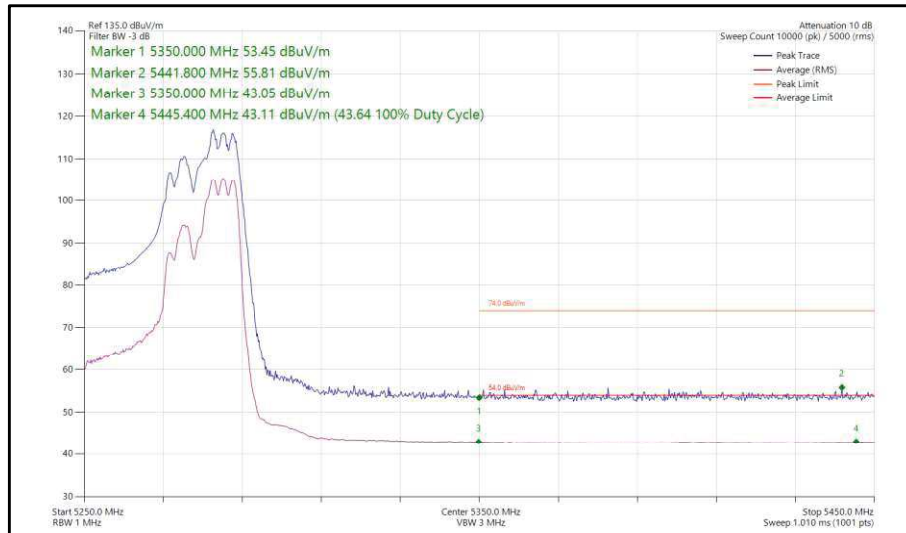


Figure 132 - 802.11ax HE40, RU 106-56, CDD, Core 0-1 - 5270 MHz Band Edge Frequency 5350 MHz

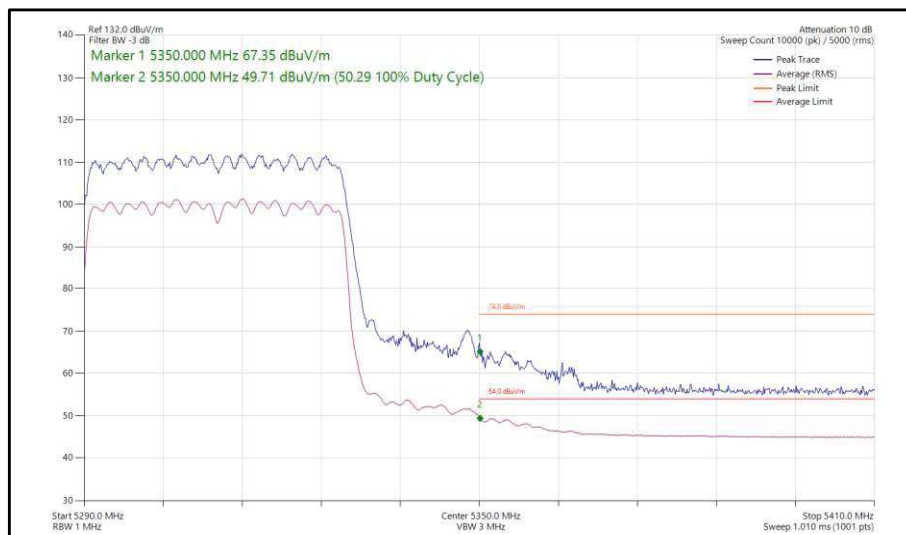


Figure 133 - 802.11ax HE40, SU, CDD, Core 0-1 - 5310 MHz Band Edge Frequency 5350 MHz

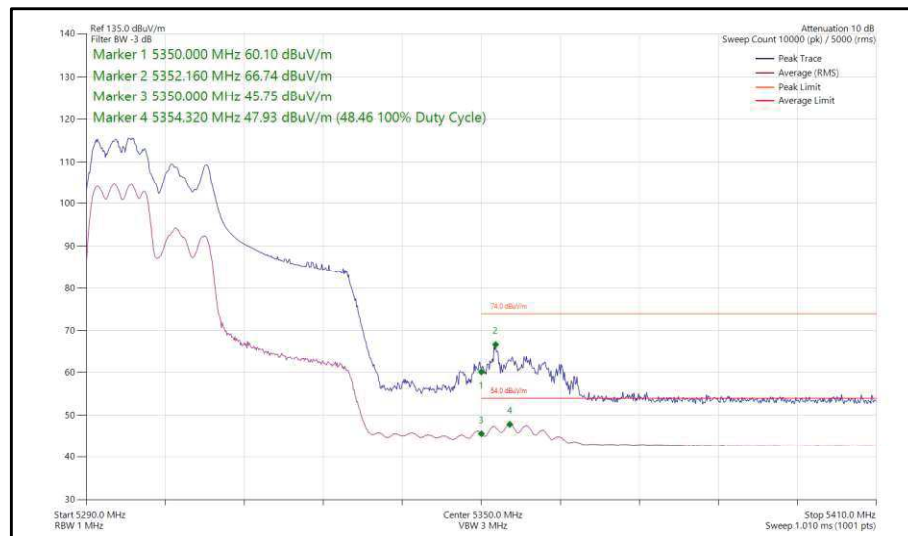


Figure 134 - 802.11ax HE40, RU 106-53, CDD, Core 0-1 - 5310 MHz Band Edge Frequency 5350 MHz

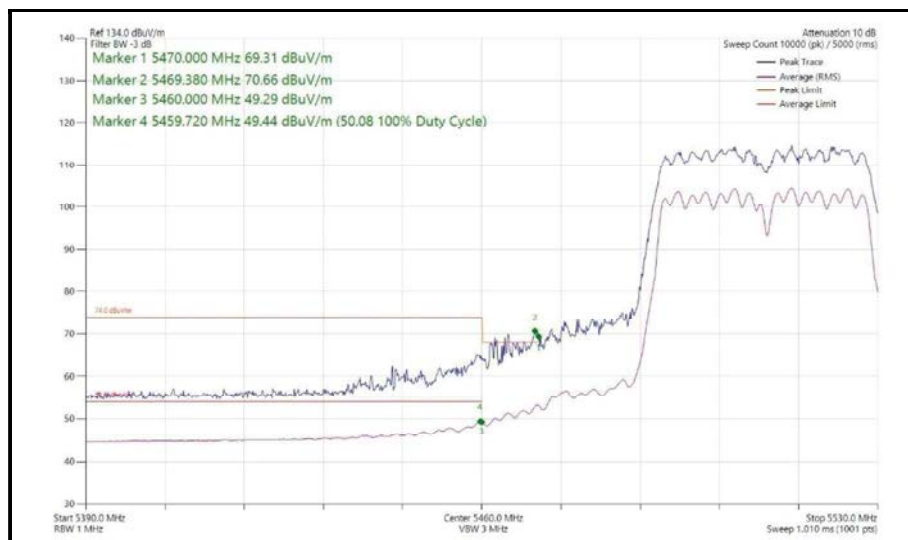


Figure 135 - 802.11n HT40, CDD, Core 0-1 - 5510 MHz Band Edge Frequency 5460 MHz