

FCC and ISED Test Report

Apple Inc
Model: A3468



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

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SIGNATURE

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Matthew Russell	Chief Engineer, RF	Authorised Signatory	07 October 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-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	George Capps	07 October 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: 2024, ISED RSS-247: Issue 4 (2025-07) 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	07 October 2026

Table 1

1.2 Introduction

Applicant	Malus
Manufacturer	Malus
EUT/Sample Identification	Refer to section 1.6
Test Specification/Issue/Date	FCC 47 CFR Part 15E: 2024 ISED RSS-247: Issue 4 (2025-07) ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02)
Start of Test	29-July-2026
Finish of Test	23-September-2026
Name of Engineer(s)	Marius Vasii, Akhil Rajendran Bhaskaran Nair, Thilanka Savirunath Liyanage, Zeeshan Zia, Morsalin Hossain, Colin Brain, Gridi Bilali, Babitha Babu, Ioan-Alexandru Bogatu, Manohar Thota, Vineeth Nagaraj, Ian Hart, Nathan Ocom, Jayvir Makwana, Arjun Sasikumar, Joshua O'Donnell
Related Document(s)	ANSI C63.4 (2014) ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024 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, ISED RSS-247 and ISED 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	2.4	8.10	Restricted Band Edges	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024
2.2	15.407 (a)	7.3	-	Maximum Conducted Output Power	Pass	ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024
2.3	15.407 (a)	7.3	-	Maximum Conducted Power Spectral Density	Pass	ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 662911 D01 v02r01
2.4	15.407 (a)	7.3	-	Emission Bandwidth	Pass	ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024
2.5	15.407 (b)	7.3	-	Authorised Band Edges	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024
2.6	15.407 (b), 15.209	7.3	6.13 and 8.9	Spurious Radiated Emissions	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024
2.7	15.407 (h)(2)(iii)(iv)	Clause 7.3.6.3	-	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 (5150 MHz to 5725 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 n	HT20	MCS 0 - 7	Yes	Yes	Yes	No	Yes
		MCS 8 - 15	No	No	No	Yes	No
	HT40	MCS 0 - 7	Yes	Yes	Yes	No	Yes
		MCS 8 - 15	No	No	No	Yes	No
802.11 ac	VHT20	MCS 0 - 8	Yes	Yes	Yes	Yes	Yes
	VHT40	MCS 0 - 9	Yes	Yes	Yes	Yes	Yes
	VHT80	MCS 0 - 9	Yes	Yes	Yes	Yes	Yes
	VHT160	MCS 0 - 9	Yes	Yes	Yes	Yes	Yes
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*

*Limited to SU



The EUT uses different output powers per core dependent on how many cores are used. The EUT also uses different power tables for different MIMO modes to compensate for whether the spatial streams are correlated, uncorrelated, or intentionally beamformed.

US and CA country codes change 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, Core 1):

- 802.11a - 12 Mbps
- 802.11a40 - 12 Mbps
- 802.11a80 - 12 Mbps
- 802.11a160 - 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
- 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
- 802.11n/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), SDM (MCS2x2) and TxBF (MCS2x1)
- 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), SDM (MCS2x2) and TxBF (MCS2x1)
- 802.11ax HE20 MU RU26/52/106 - CDD - MCS2x1
- 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: 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. HT (802.11n) modes were used for CDD and SDM. VHT (802.11ac) modes were used for TxBF.



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.

All testing was performed with the EUT powered via a 120 V AC, 60 Hz source.

1.4.4 Antenna Gain Table

Antenna Port	Frequency Range (MHz)	Peak Gain (dBi)	Conducted Cable Loss (dB)
Core 0 (WF1)	5150 to 5250	5.8	1.07
	5250 to 5350	6.1	1.07
	5470 to 5725	6.3	1.17
	5725 to 5850	6.2	1.18
Core 1 (WF3)	5150 to 5250	6.0	1.07
	5250 to 5350	6.3	1.07
	5470 to 5725	6.8	1.17
	5725 to 5850	6.5	1.18

Table 3

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: A3468		
Serial Number	Hardware Version	Software Version
CM7YTDY7XW	REV1.0	26A32823e
C7326RXHKY	REV1.0	26A300
CFM3XX2DWM	REV1.0	26A300
D2FW44KXQ9	REV1.0	26A300
D9RD9N9N0R	REV1.0	26A300
D6669733D2	REV1.0	26A300
CQQ4527Y9M	REV1.0	26B60

Table 4

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: A3468, Serial Number: CM7YTDY7XW			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: C7326RXHKY			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: CFM3XX2DWM			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: D2FW44KXQ9			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: D9RD9N9N0R			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: D6669733D2			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: CQQ4527Y9M			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 5



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: 5 GHz WLAN		
Restricted Band Edges	Marius Vasii, Akhil Rajendran Bhaskaran Nair, Thilanka Savirunath Liyanage, Zeeshan Zia, Morsalin Hossain, Colin Brain, Gridi Bilali, Babitha Babu, Ioan-Alexandru Bogatu, Manohar Thota, Vineeth Nagaraj, Ian Hart	UKAS
Maximum Conducted Output Power	Jayvir Makwana, Arjun Sasikumar, Joshua O'Donnell	UKAS
Maximum Conducted Power Spectral Density	Jayvir Makwana, Arjun Sasikumar, Joshua O'Donnell	UKAS
Emission Bandwidth	Jayvir Makwana, Arjun Sasikumar, Joshua O'Donnell	UKAS
Authorised Band Edges	Marius Vasii, Akhil Rajendran Bhaskaran Nair, Thilanka Savirunath Liyanage, Zeeshan Zia, Morsalin Hossain, Colin Brain, Gridi Bilali, Babitha Babu, Ioan-Alexandru Bogatu, Manohar Thota, Vineeth Nagaraj, Ian Hart	UKAS
Spurious Radiated Emissions	Akhil Rajendran Bhaskaran Nair, Zeeshan Zia, Nathan Ocom, Ian Hart, Manohar Thota	UKAS
Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period	Babitha Babu, Ioan-Alexandru Bogatu	UKAS
Configuration and Mode: 5 GHz WLAN - Client to Client		
Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period	Babitha Babu, Ioan-Alexandru Bogatu	UKAS

Table 6

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 2.4
ISED RSS-GEN, Clause 8.10

2.1.2 Equipment Under Test and Modification State

A3468, S/N: C7326RXHKY - Modification State 0
A3468, S/N: CFM3XX2DWM - Modification State 0
A3468, S/N: D2FW44KXQ9 - Modification State 0
A3468, S/N: D9RD9N9N0R - Modification State 0

2.1.3 Date of Test

29-July-2026 to 05-August-2026

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 in SISO, MIMO and TxBF, across the various 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	19.1 - 24.6 °C
Relative Humidity	30.5 - 47.0 %

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 (dBμV/m)
802.11a	24 Mbps	-	-	5180	5150	68.17	51.03
802.11n HT20	MCS 2	-	-	5180	5150	65.05	51.47
802.11ax HE20	MCS 4x1	SU	-	5180	5150	65.86	50.71
802.11ax HE20	MCS 11x1	106	53	5180	5150	61.52	45.57
802.11be EHT20	MCS 9x1	106+26	82	5180	5150	65.10	46.21
802.11a	12 Mbps	-	-	5320	5350	67.99	51.47
802.11n HT20	MCS 2	-	-	5320	5350	64.10	51.18
802.11ax HE20	MCS 11x1	SU	-	5320	5350	69.49	48.74
802.11ax HE20	MCS 11x1	106	54	5320	5350	61.44	45.93
802.11be EHT20	MCS 9x1	106+26	83	5320	5350	64.34	46.99
802.11a	24 Mbps	-	-	5500	5460	63.63	46.12
802.11n HT20	MCS 2	-	-	5500	5460	63.44	46.07
802.11ax HE20	MCS 11x1	SU	-	5500	5460	63.29	44.91
802.11ax HE20	MCS 11x1	106	53	5500	5460	62.17	45.97
802.11be EHT20	MCS 9x1	106+26	82	5500	5460	61.19	45.71

Table 7 - SISO Restricted Band Edge Results

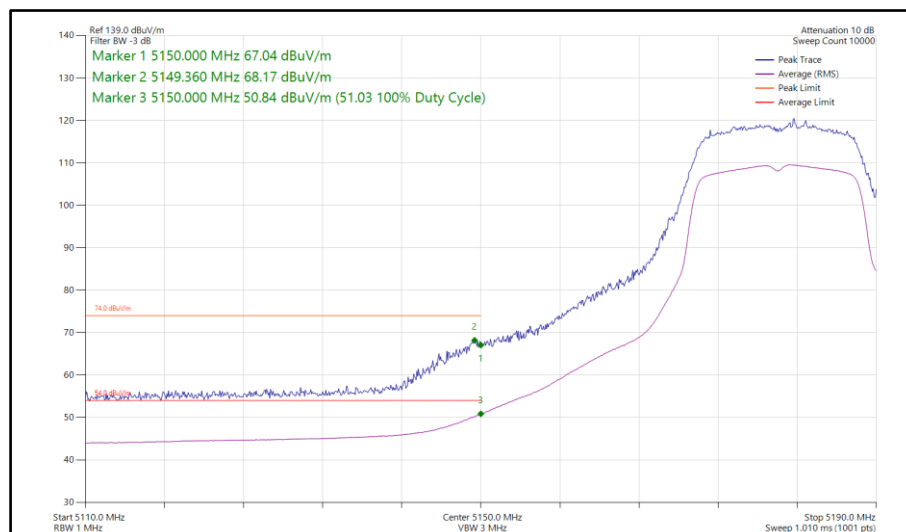


**Figure 1 - 802.11a, SISO, Core 0 - 5180 MHz
Band Edge Frequency 5150 MHz**

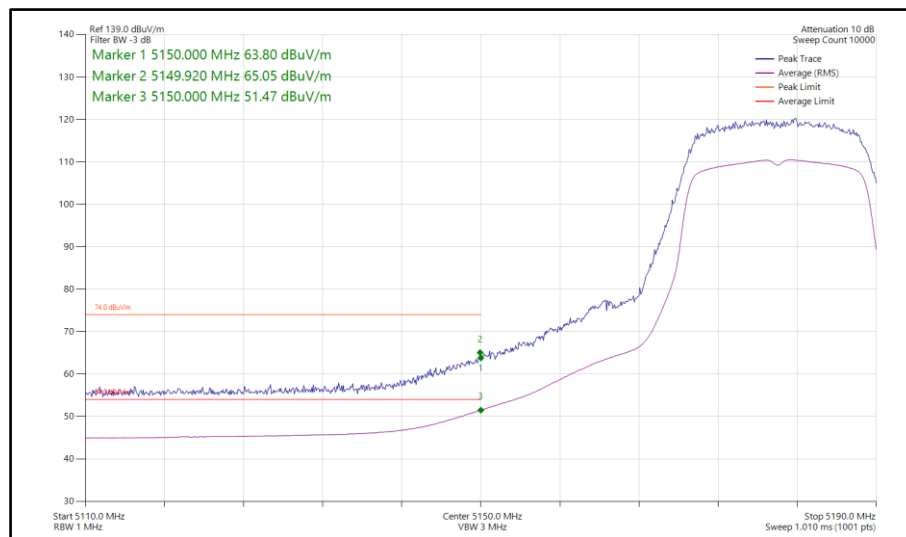


**Figure 2 - 802.11n HT20, SISO, Core 0 - 5180 MHz
Band Edge Frequency 5150 MHz**

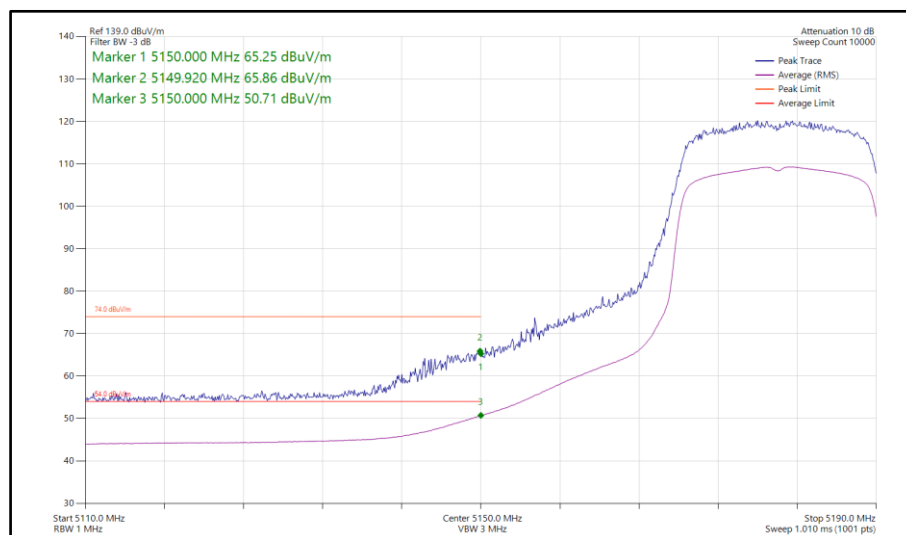


**Figure 3 - 802.11ax HE20, SU, SISO, Core 0 - 5180 MHz
Band Edge Frequency 5150 MHz**

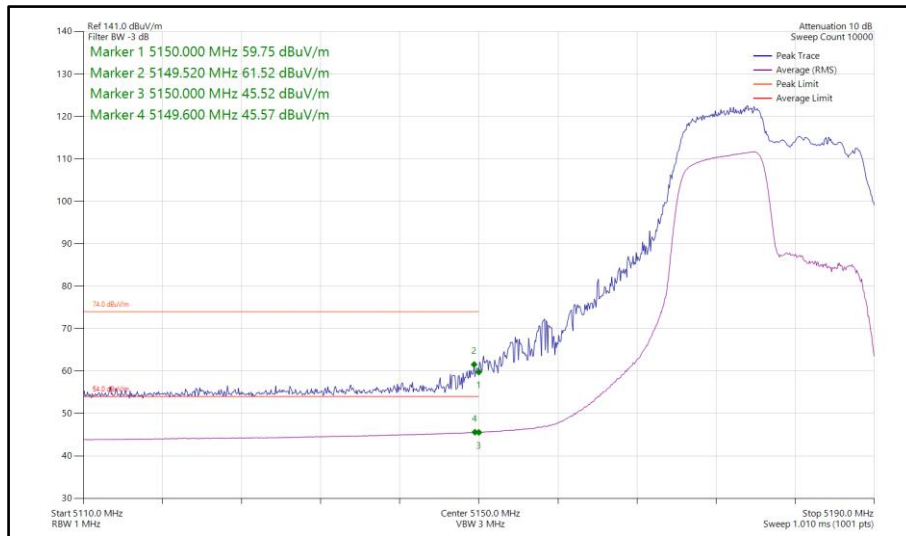


**Figure 4 - 802.11ax HE20, RU106-53, SISO, Core 0 - 5180 MHz
Band Edge Frequency 5150 MHz**

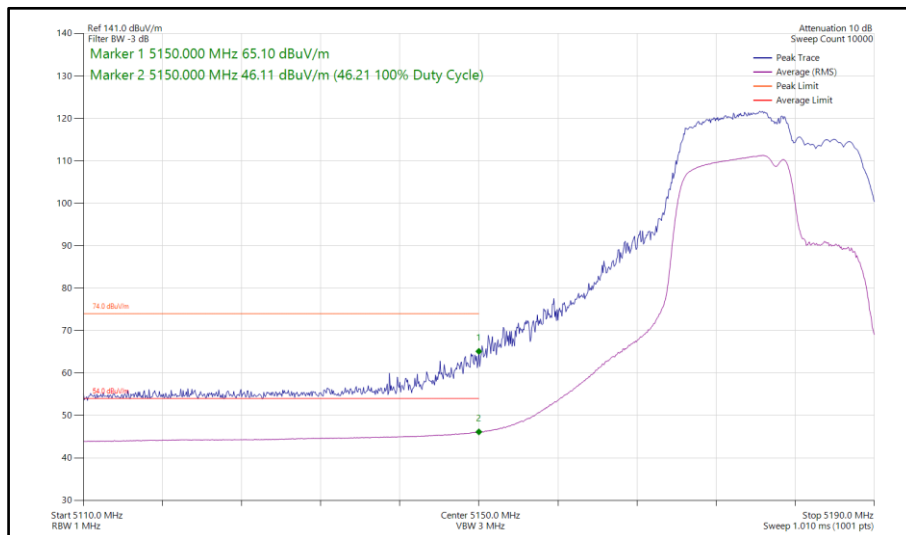


**Figure 5 - 802.11be EHT20, RU106+26-82, SISO, Core 0 - 5180 MHz
Band Edge Frequency 5150 MHz**

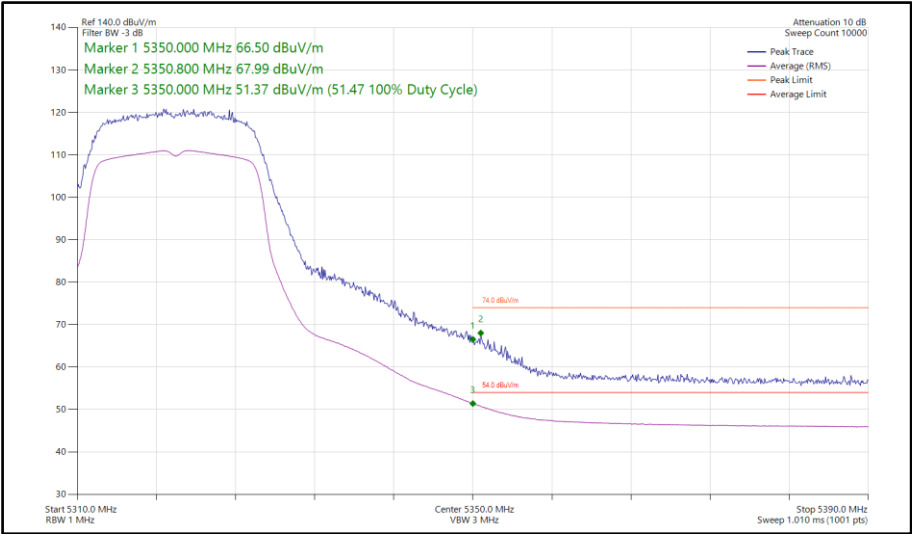


Figure 6 - 802.11a, SISO, Core 0 - 5320 MHz
Band Edge Frequency 5350 MHz

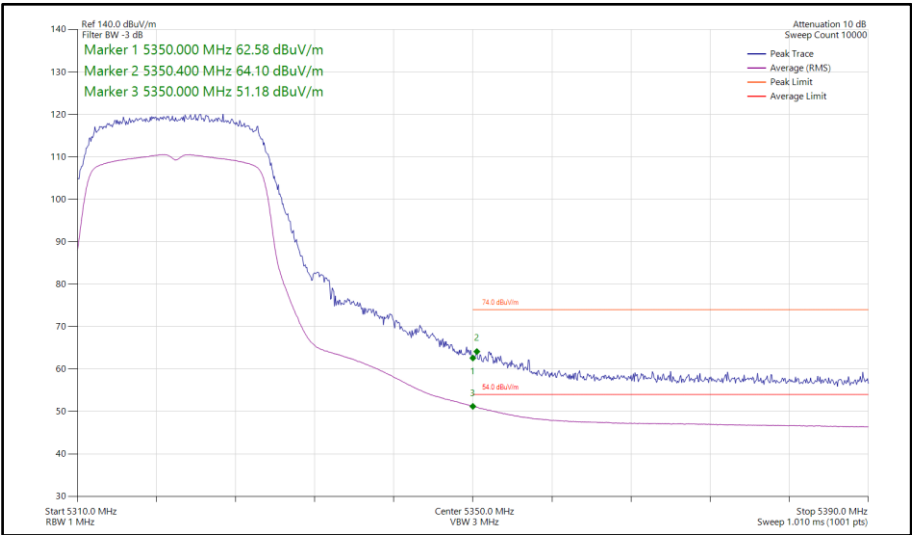


Figure 7 - 802.11n HT20, SISO, Core 0 - 5320 MHz
Band Edge Frequency 5350 MHz

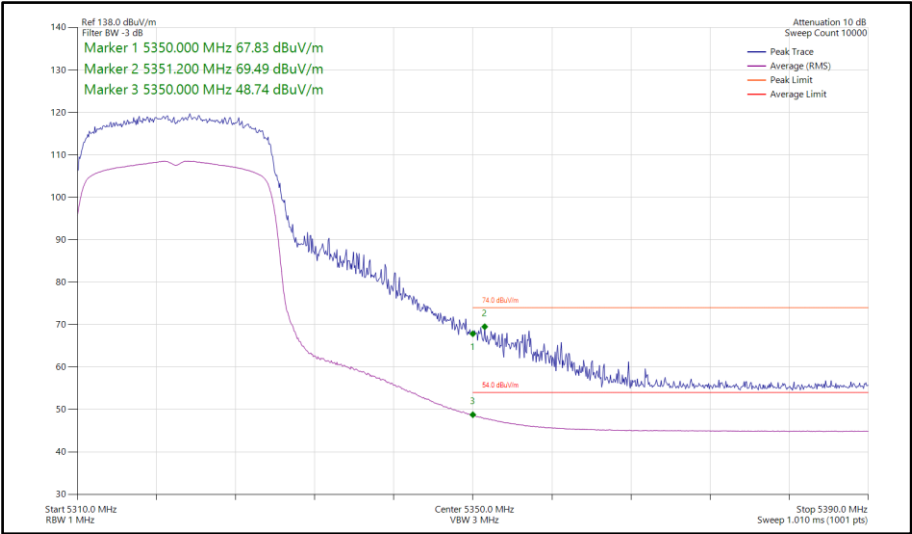


Figure 8 - 802.11ax HE20, SU, SISO, Core 0 - 5320 MHz
Band Edge Frequency 5350 MHz

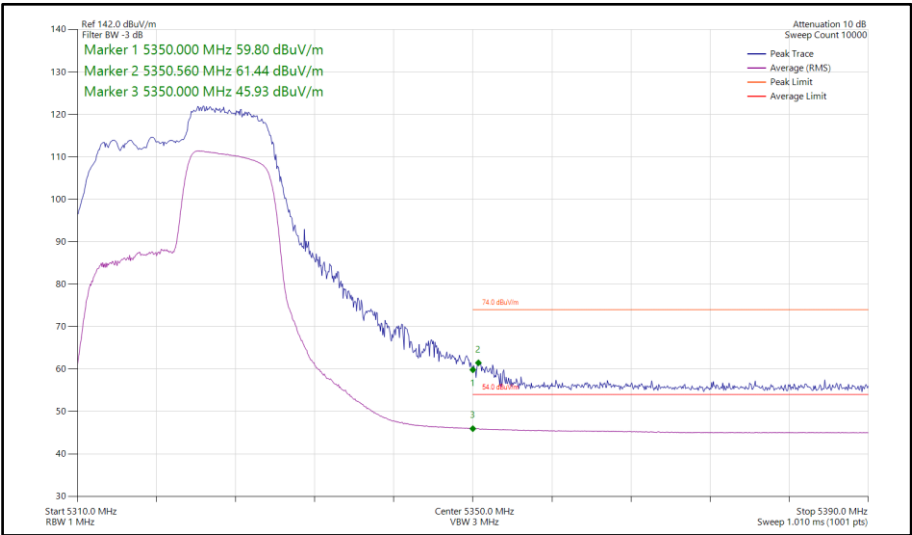


Figure 9 - 802.11ax HE20, RU106-54, SISO, Core 0 - 5320 MHz
Band Edge Frequency 5350 MHz

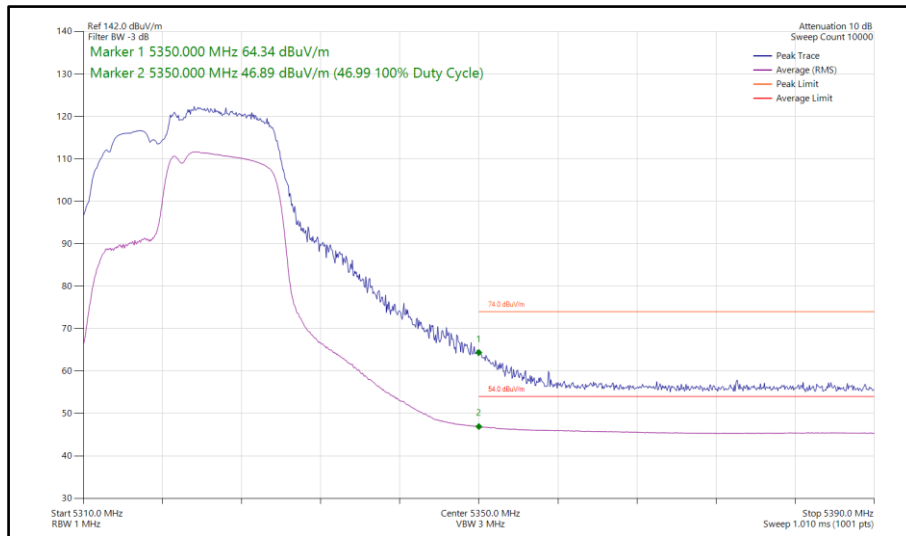


**Figure 10 - 802.11be EHT20, RU106+26-83, SISO, Core 0 - 5320 MHz
Band Edge Frequency 5350 MHz**

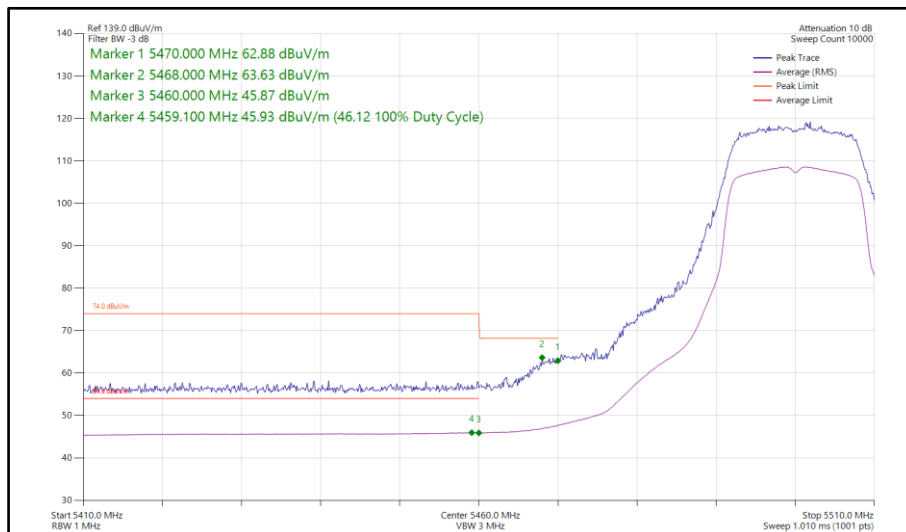


**Figure 11 - 802.11a, SISO, Core 0 - 5500 MHz
Band Edge Frequency 5460 MHz**

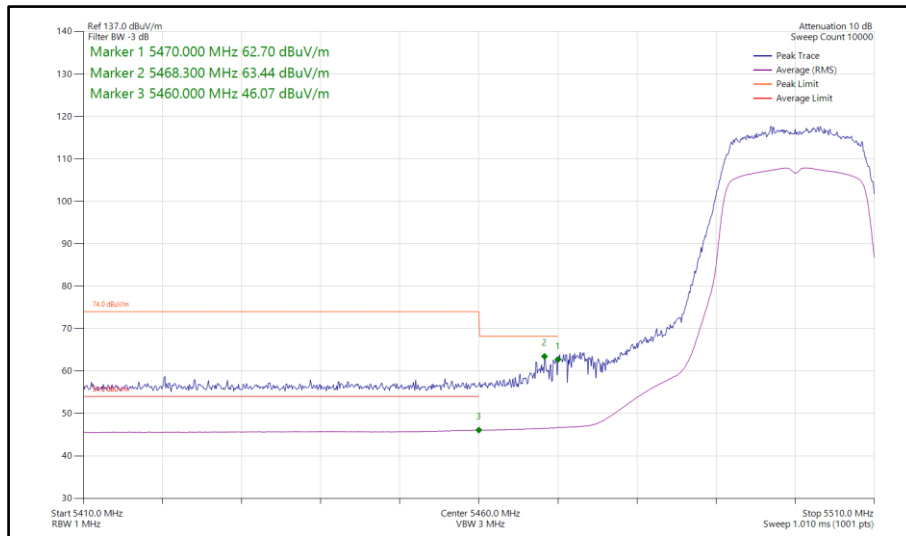


**Figure 12 - 802.11n HT20, SISO, Core 0 - 5500 MHz
Band Edge Frequency 5460 MHz**

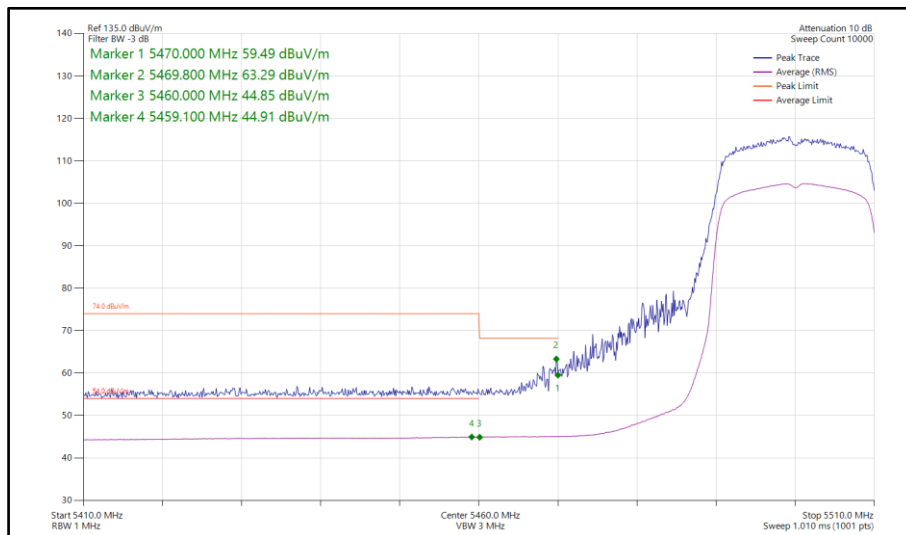


**Figure 13 - 802.11ax HE20, SU, SISO, Core 0 - 5500 MHz
Band Edge Frequency 5460 MHz**

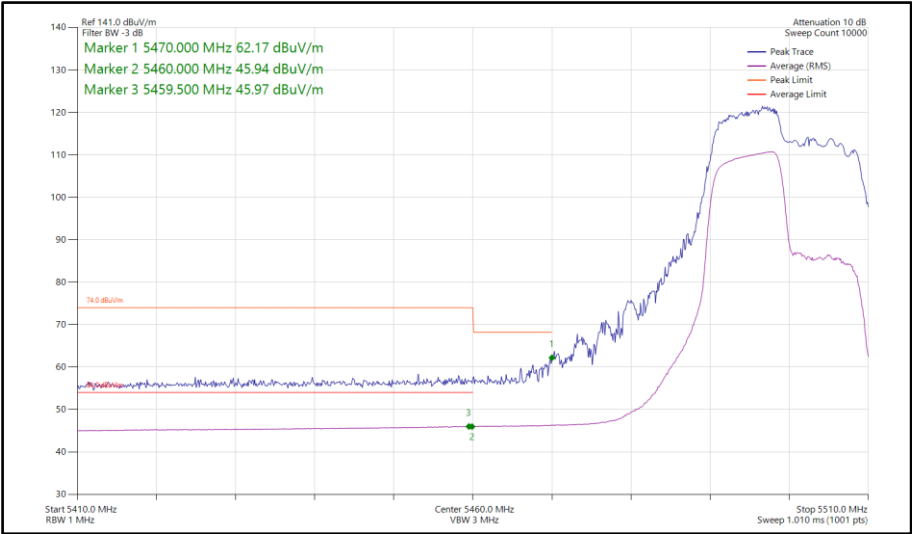


Figure 14 - 802.11ax HE20, RU106-53, SISO, Core 0 - 5500 MHz
Band Edge Frequency 5460 MHz

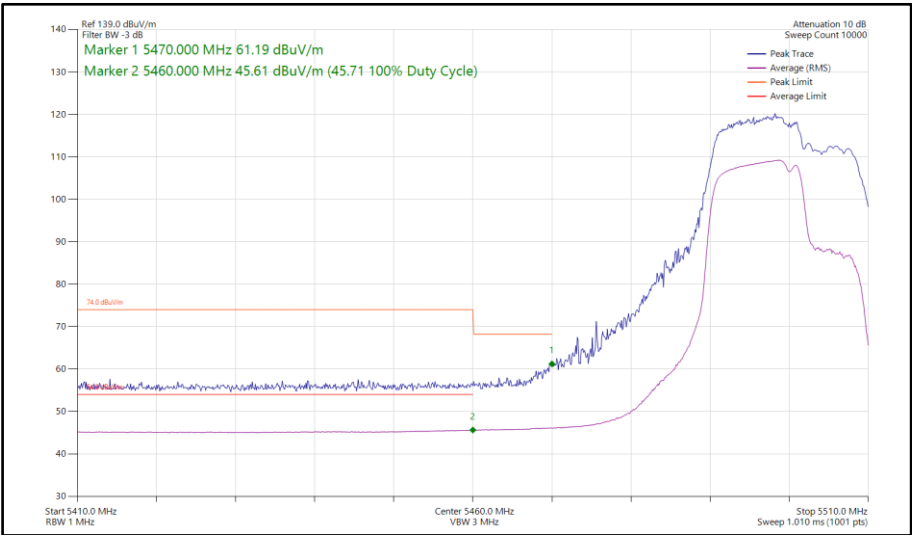


Figure 15 - 802.11be EHT20, RU106+26-82, SISO, Core 0 - 5500 MHz
Band Edge Frequency 5460 MHz



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	54 Mbps	-	-	5180	5150	68.49	46.89
802.11n HT20	MCS 7	-	-	5180	5150	67.91	48.29
802.11ax HE20	MCS 11x1	SU	-	5180	5150	68.65	45.69
802.11ax HE20	MCS 11x1	106	53	5180	5150	60.48	44.73
802.11be EHT20	MCS 9x1	106+26	82	5180	5150	63.70	45.80
802.11a	12 Mbps	-	-	5320	5350	66.96	50.65
802.11n HT20	MCS 4	-	-	5320	5350	67.53	50.65
802.11ax HE20	MCS 11x1	SU	-	5320	5350	68.74	45.65
802.11ax HE20	MCS 11x1	106	54	5320	5350	62.94	45.99
802.11be EHT20	MCS 9x1	106+26	83	5320	5350	64.99	46.26
802.11a	24 Mbps	-	-	5500	5460	63.53	45.62
802.11n HT20	MCS 7	-	-	5500	5460	63.69	45.25
802.11ax HE20	MCS 4x1	SU	-	5500	5460	63.47	45.84
802.11ax HE20	MCS 11x1	106	53	5500	5460	61.05	45.77
802.11be EHT20	MCS 9x1	106+26	82	5500	5460	62.54	45.68

Table 8 - SISO Restricted Band Edge Results

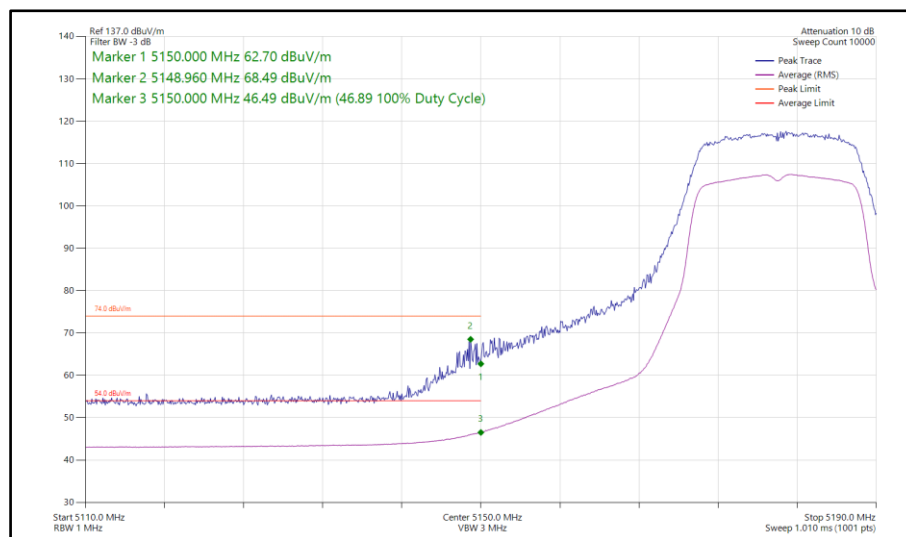


**Figure 16 - 802.11a, SISO, Core 1 - 5180 MHz
Band Edge Frequency 5150 MHz**

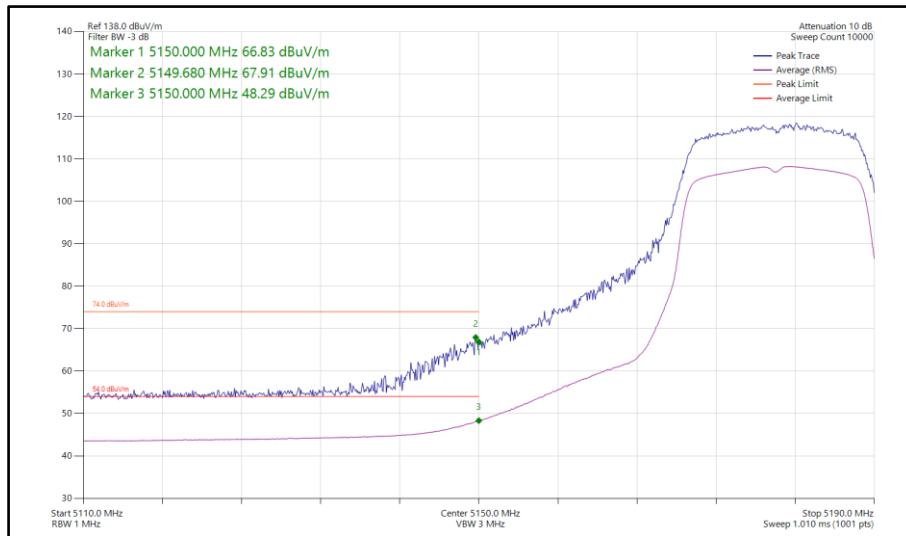


**Figure 17 - 802.11n HT20, SISO, Core 1 - 5180 MHz
Band Edge Frequency 5150 MHz**

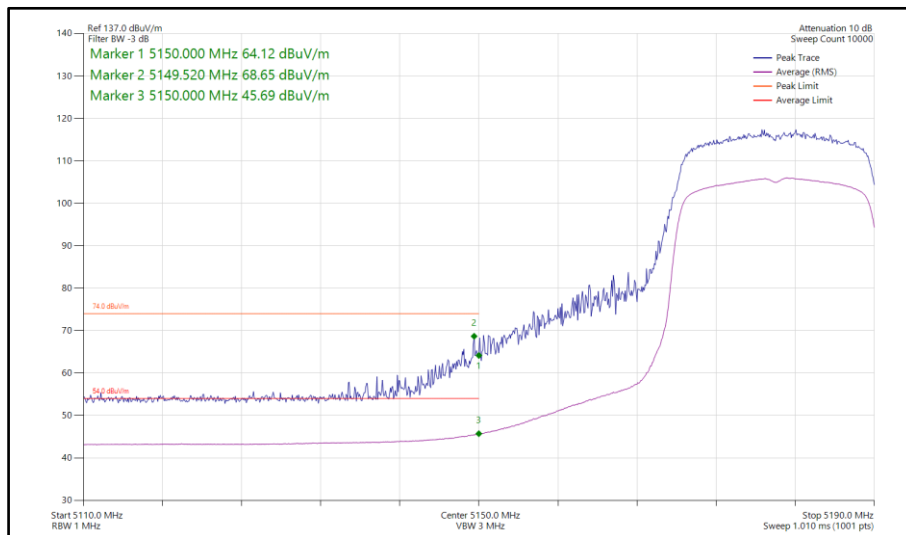


**Figure 18 - 802.11ax HE20, SU, SISO, Core 1 - 5180 MHz
Band Edge Frequency 5150 MHz**

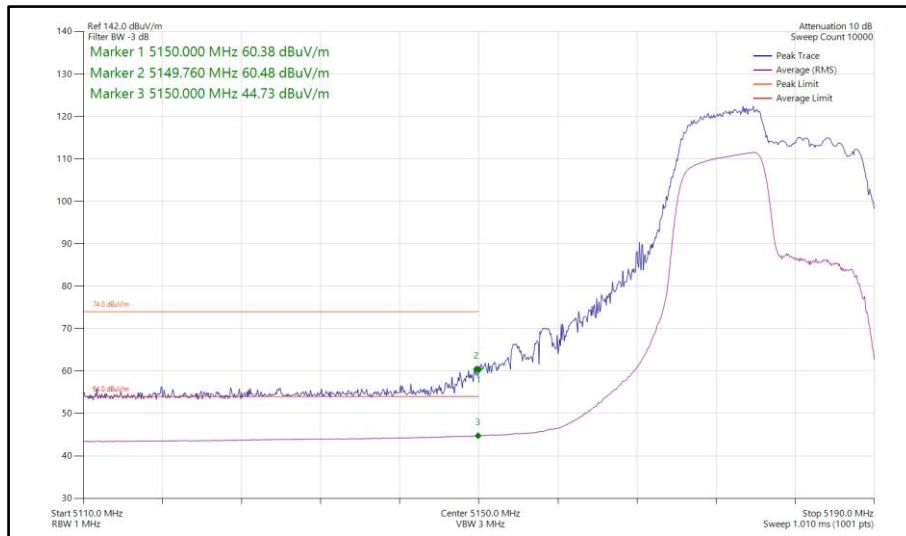


**Figure 19 - 802.11ax HE20, RU106-53, SISO, Core 1 - 5180 MHz
Band Edge Frequency 5150 MHz**

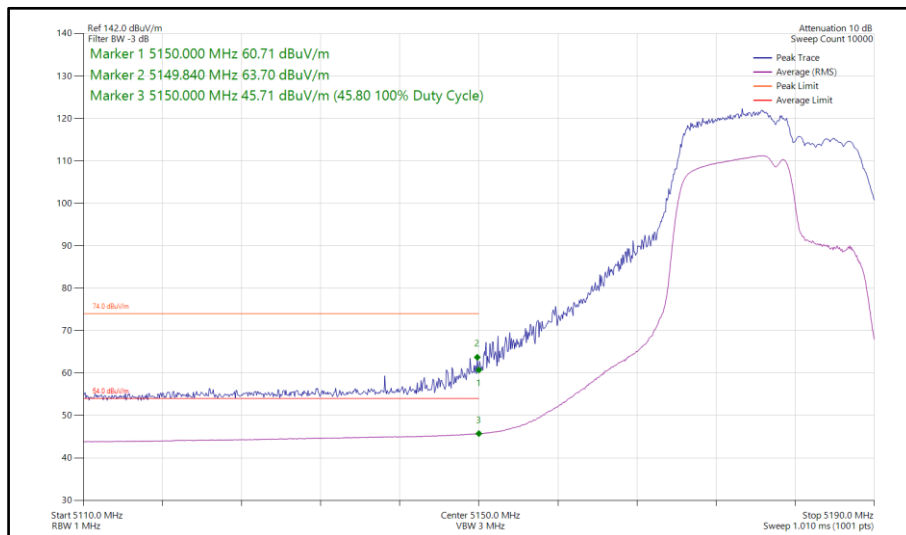


**Figure 20 - 802.11be EHT20, RU106+26-82, SISO, Core 1 - 5180 MHz
Band Edge Frequency 5150 MHz**

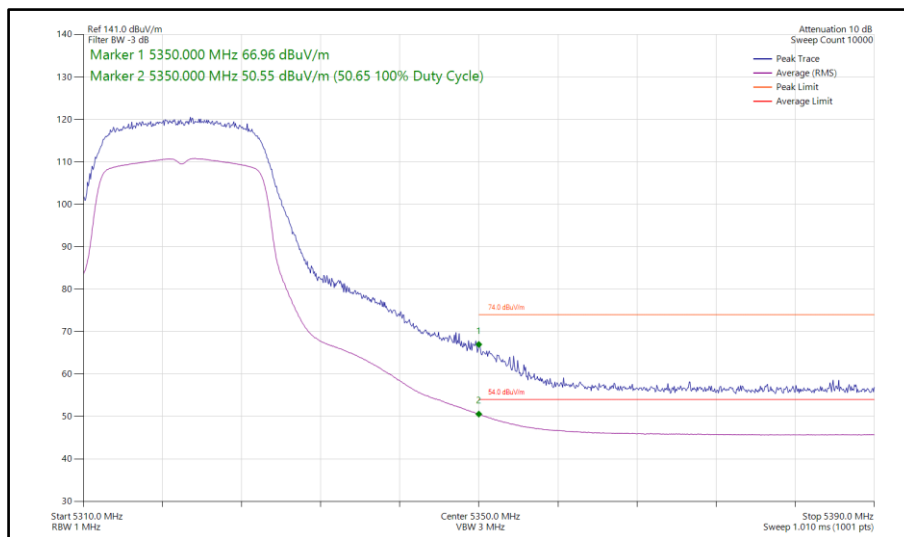


**Figure 21 - 802.11a, SISO, Core 1 - 5320 MHz
Band Edge Frequency 5350 MHz**

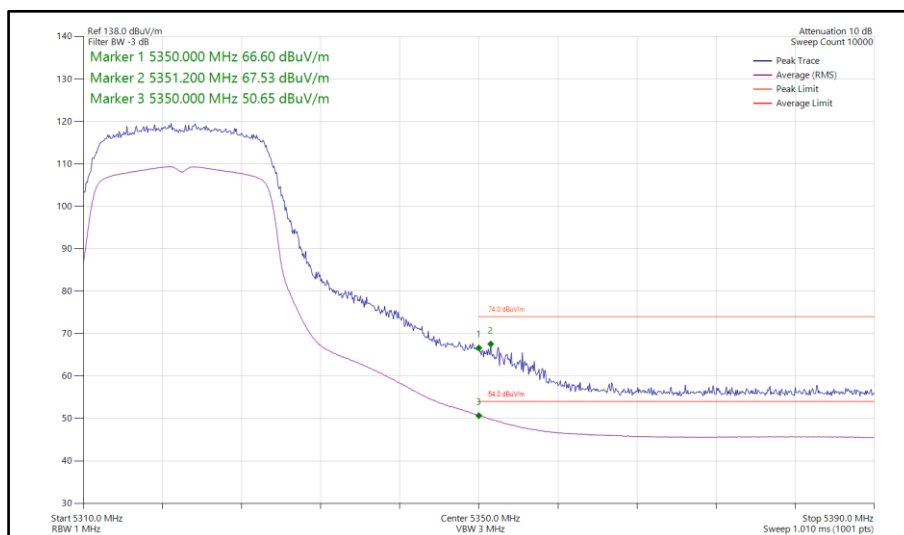


**Figure 22 - 802.11n HT20, SISO, Core 1 - 5320 MHz
Band Edge Frequency 5350 MHz**

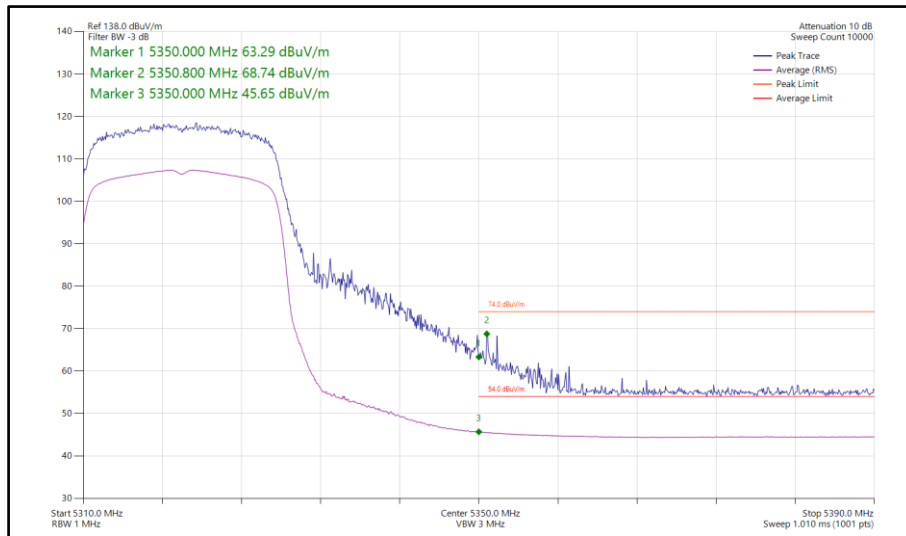


**Figure 23 - 802.11ax HE20, SU, SISO, Core 1 - 5320 MHz
Band Edge Frequency 5350 MHz**

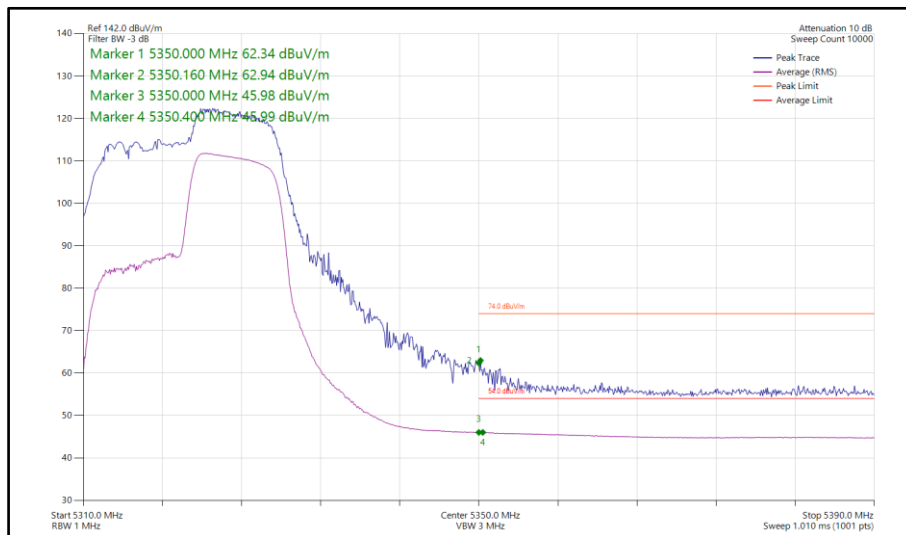


**Figure 24 - 802.11ax HE20, RU106-54, SISO, Core 1 - 5320 MHz
Band Edge Frequency 5350 MHz**

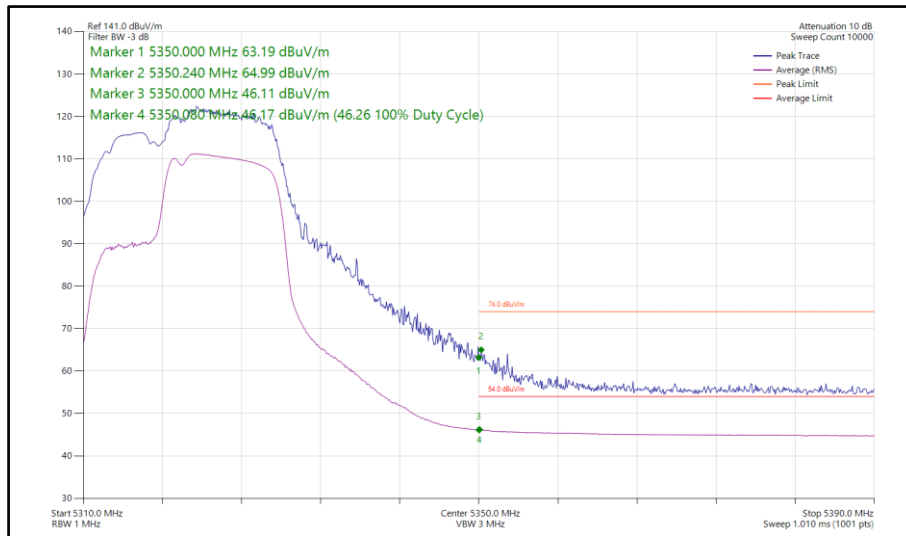


**Figure 25 - 802.11be EHT20, RU106+26-83, SISO, Core 1 - 5320 MHz
Band Edge Frequency 5350 MHz**

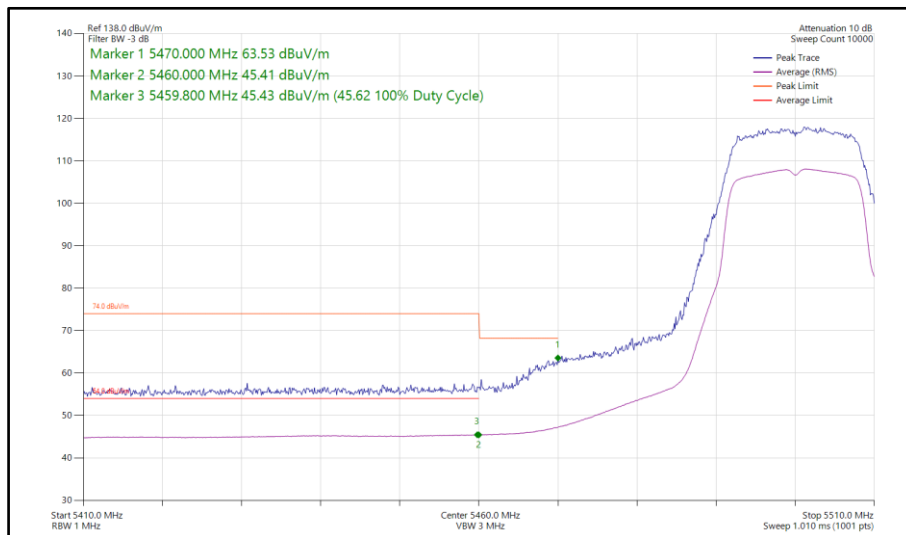


**Figure 26 - 802.11a, SISO, Core 1 - 5500 MHz
Band Edge Frequency 5460 MHz**

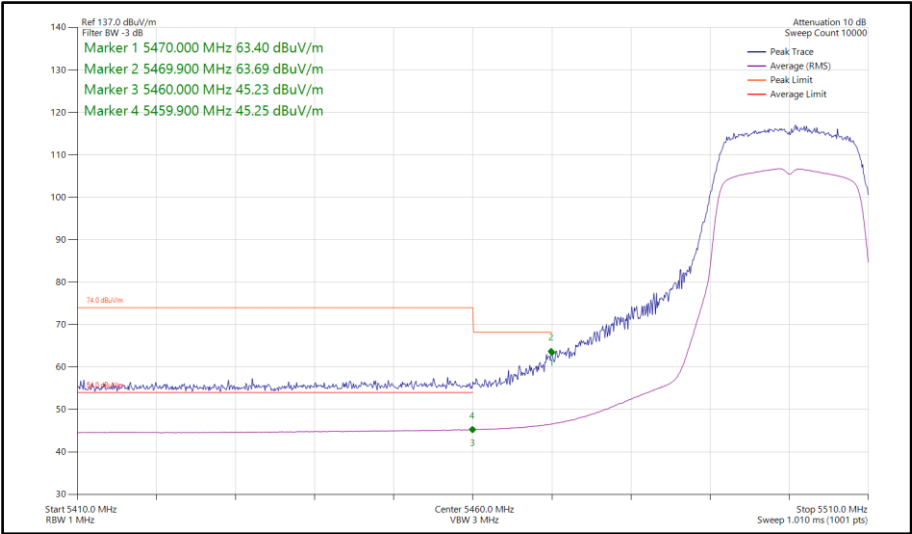


Figure 27 - 802.11n HT20, SISO, Core 1 - 5500 MHz
Band Edge Frequency 5460 MHz

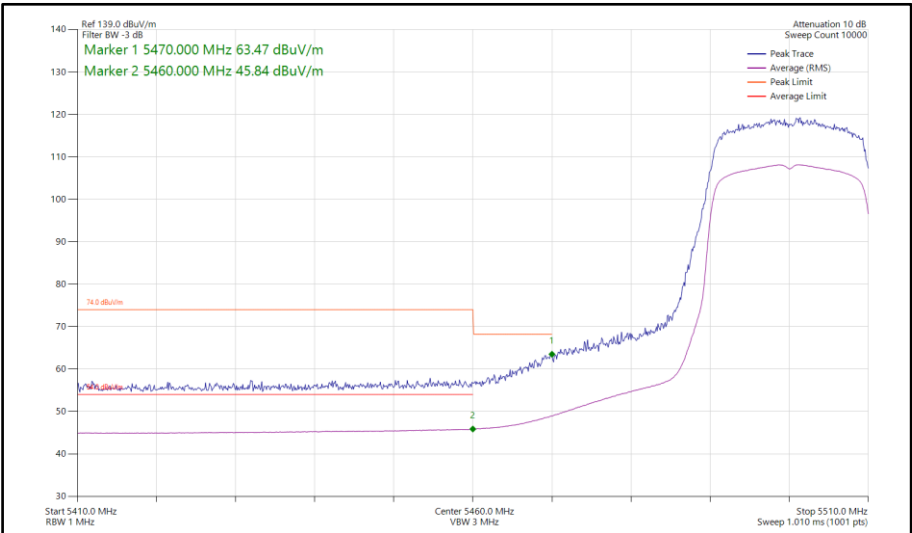


Figure 28 - 802.11ax HE20, SU, SISO, Core 1 - 5500 MHz
Band Edge Frequency 5460 MHz

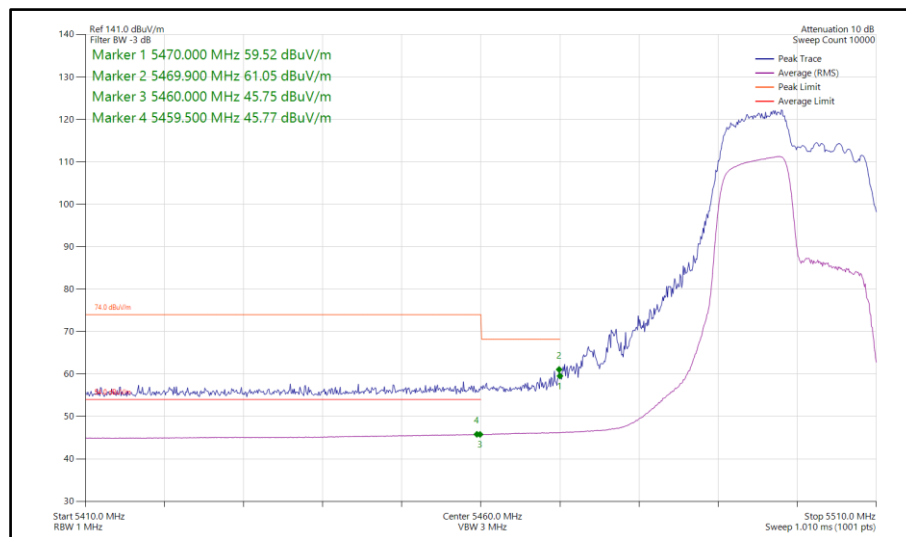


**Figure 29 - 802.11ax HE20, RU106-53, SISO, Core 1 - 5500 MHz
Band Edge Frequency 5460 MHz**

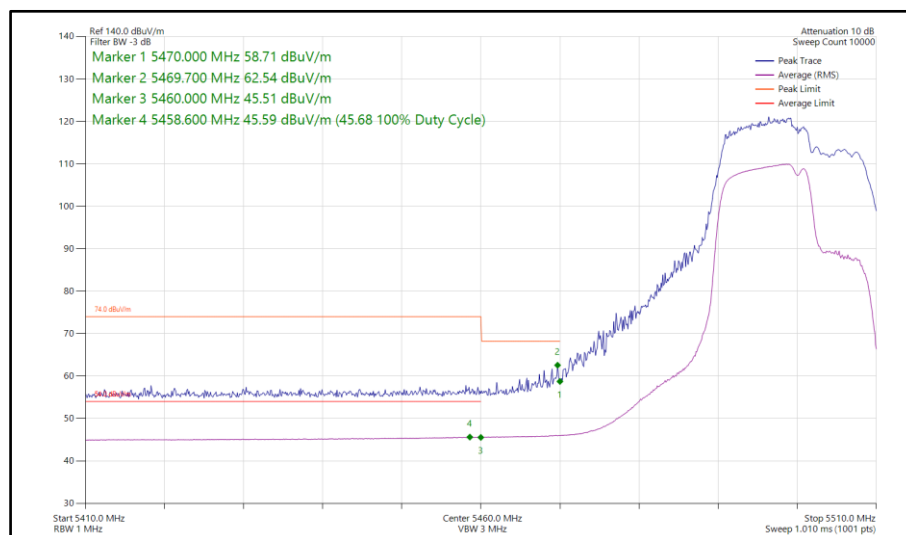


**Figure 30 - 802.11be EHT20, RU106+26-82, SISO, Core 1 - 5500 MHz
Band Edge Frequency 5460 MHz**

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)
802.11a	12 Mbps	-	-	5180	5150	65.34	49.20
802.11n HT20	MCS 7	-	-	5180	5150	67.37	47.85
802.11ax HE20	MCS 2x1	SU	-	5180	5150	64.17	49.26
802.11ax HE20	MCS 11x1	106	53	5180	5150	60.87	46.20
802.11be EHT20	MCS 9x1	106+26	82	5180	5150	69.34	47.70
802.11a	24 Mbps	-	-	5320	5350	66.02	50.79
802.11n HT20	MCS 7	-	-	5320	5350	68.03	48.27
802.11ax HE20	MCS 2x1	SU	-	5320	5350	66.28	50.36
802.11ax HE20	MCS 11x1	106	54	5320	5350	64.30	46.76
802.11be EHT20	MCS 9x1	106+26	83	5320	5350	68.11	48.79
802.11a	24 Mbps	-	-	5500	5460	60.59	46.36
802.11n HT20	MCS 7	-	-	5500	5460	62.56	46.80
802.11ax HE20	MCS 11x1	SU	-	5500	5460	61.54	45.63
802.11ax HE20	MCS 11x1	106	53	5500	5460	63.42	47.29
802.11be EHT20	MCS 9x1	106+26	82	5500	5460	62.83	47.30

Table 9 - CDD Restricted Band Edge Results

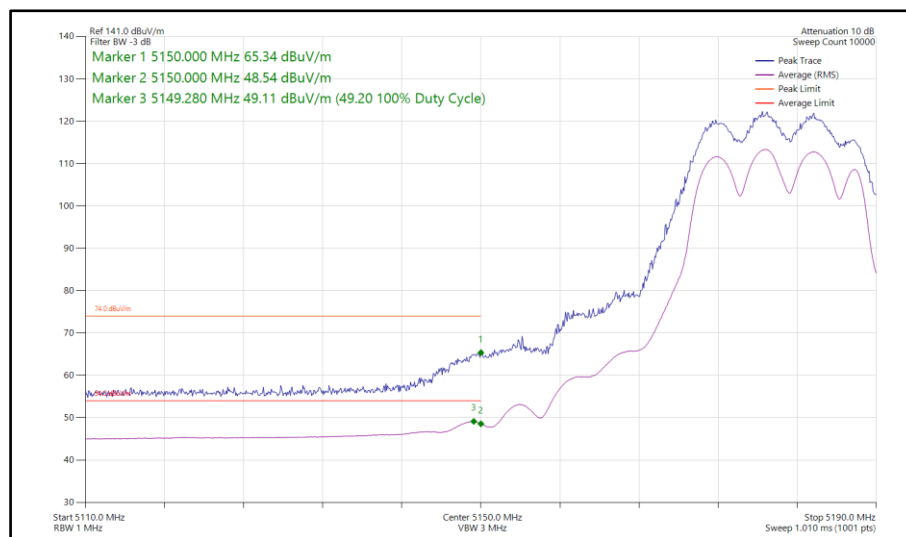


**Figure 31 - 802.11a, CDD, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz**

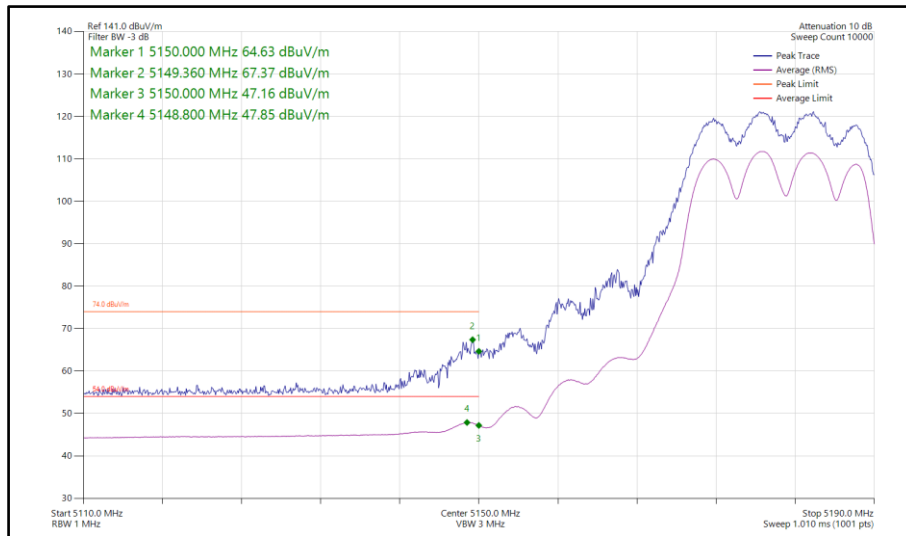


**Figure 32 - 802.11n HT20, CDD, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz**

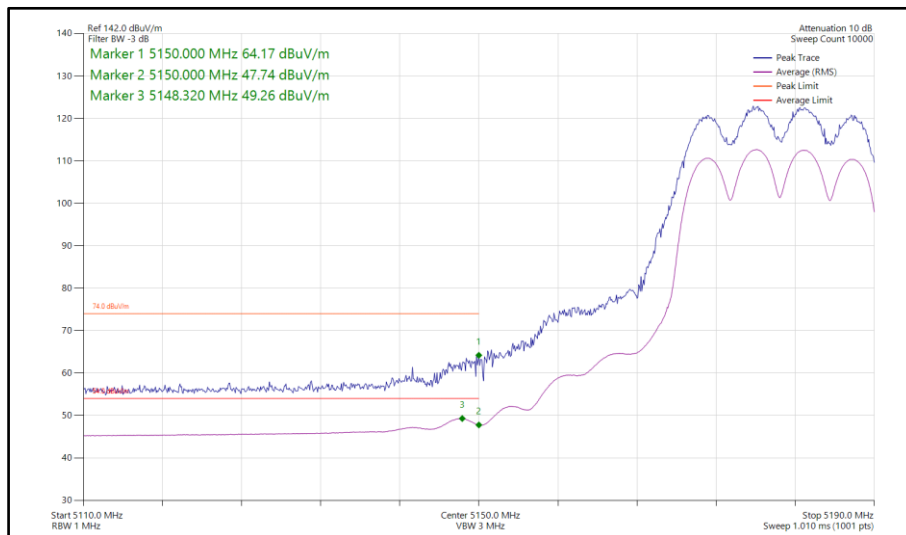


**Figure 33 - 802.11ax HE20, SU, CDD, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz**

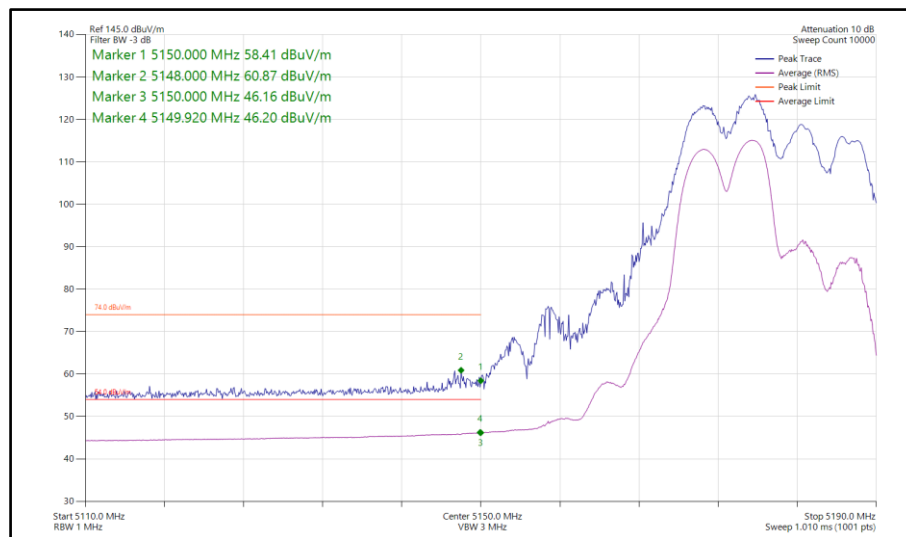


**Figure 34 - 802.11ax HE20, RU106-53, CDD, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz**

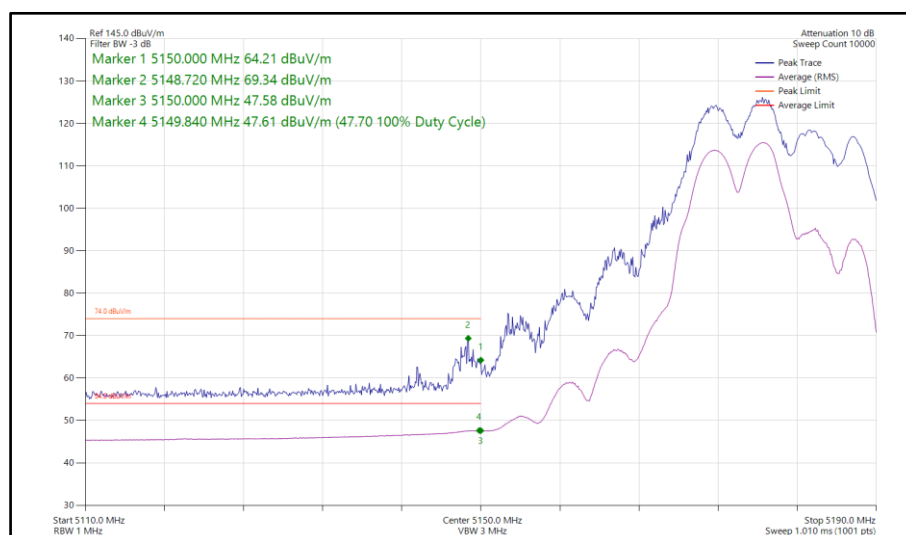


**Figure 35 - 802.11be EHT20, RU106+26-82, CDD, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz**

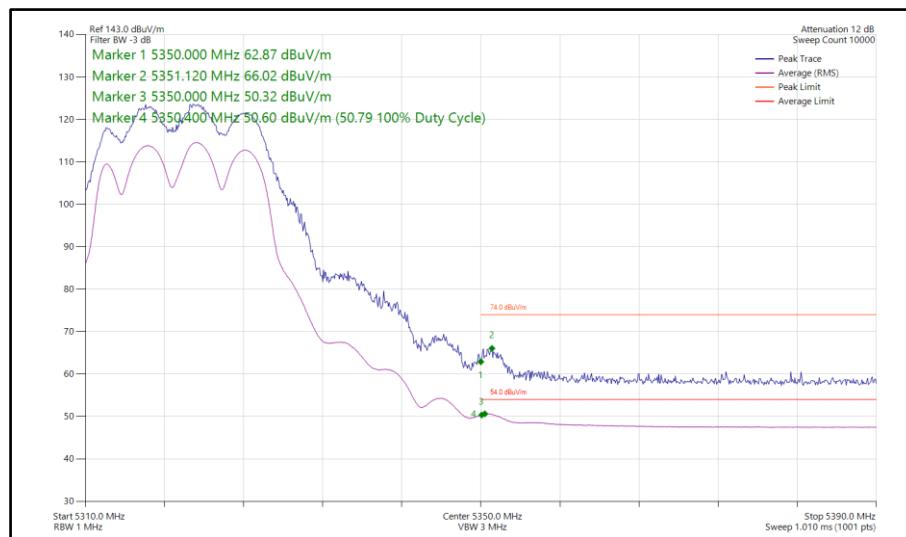


**Figure 36 - 802.11a, CDD, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

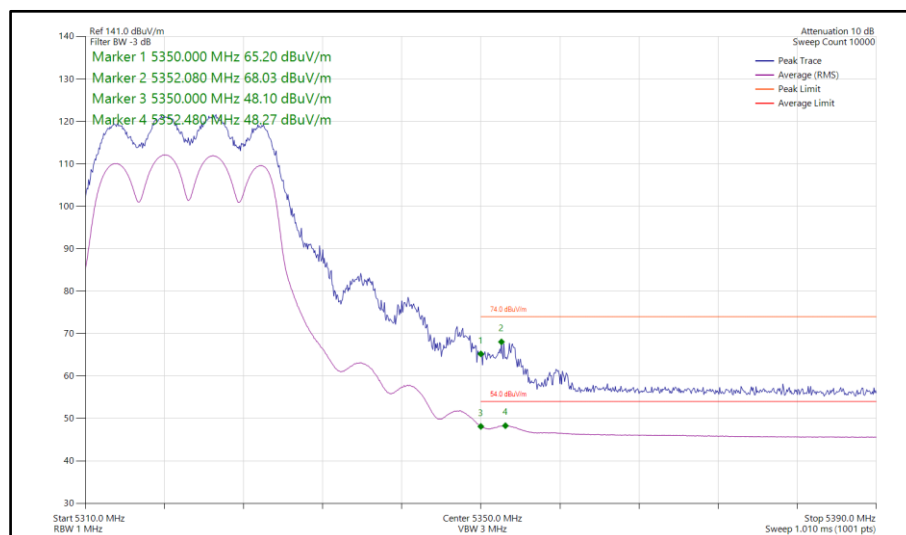


**Figure 37 - 802.11n HT20, CDD, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

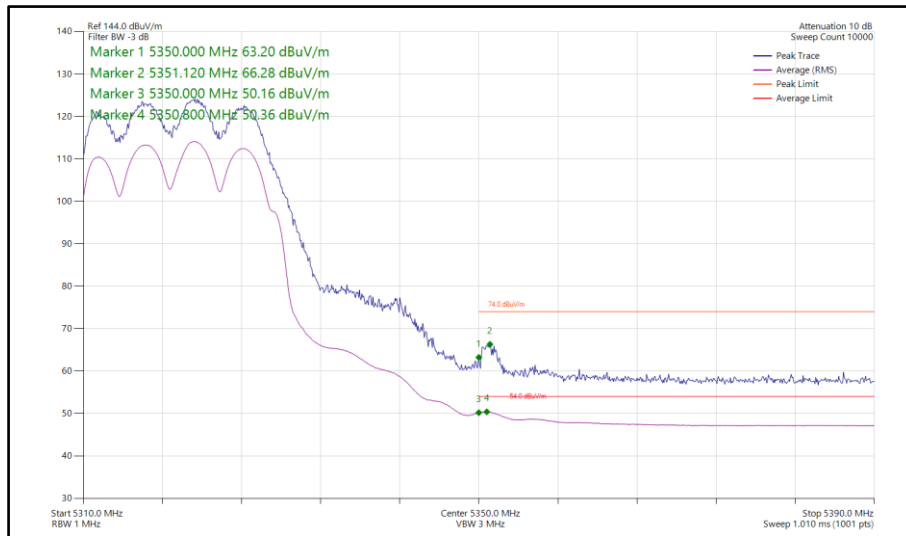


**Figure 38 - 802.11ax HE20, SU, CDD, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

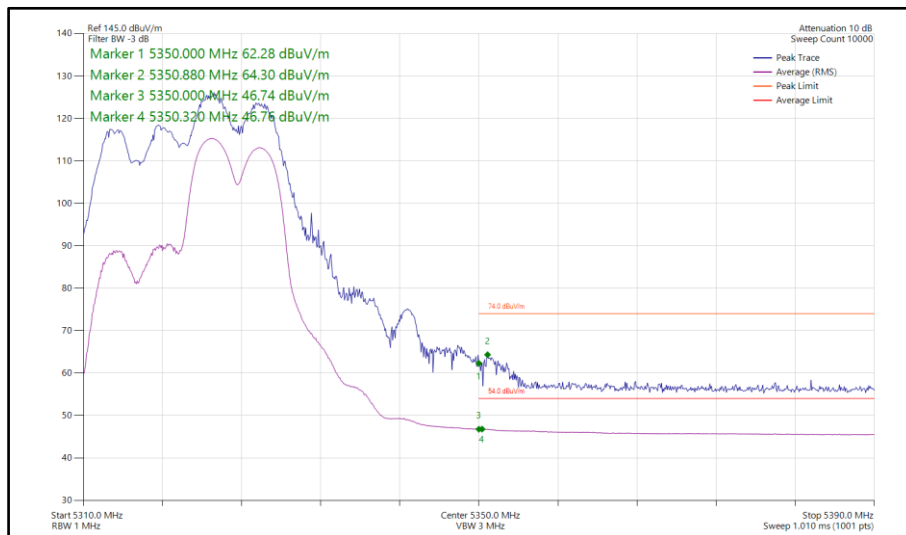


**Figure 39 - 802.11ax HE20, RU106-54, CDD, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**



**Figure 40 - 802.11be EHT20, RU106+26-83, CDD, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

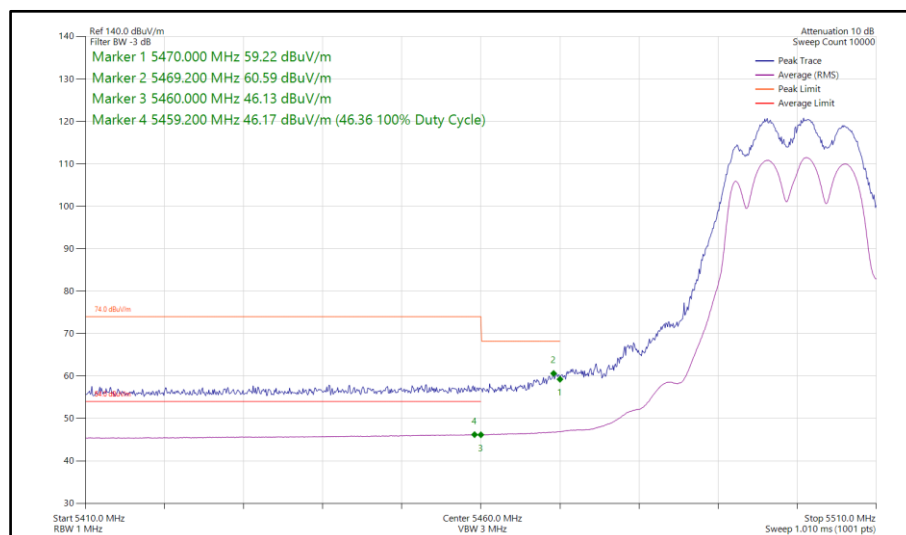


**Figure 41 - 802.11a, CDD, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

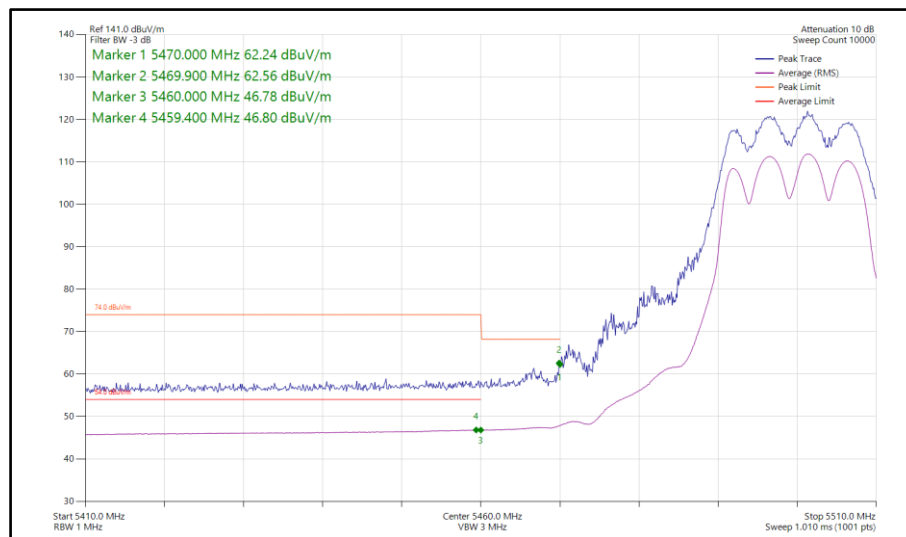


**Figure 42 - 802.11n HT20, CDD, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

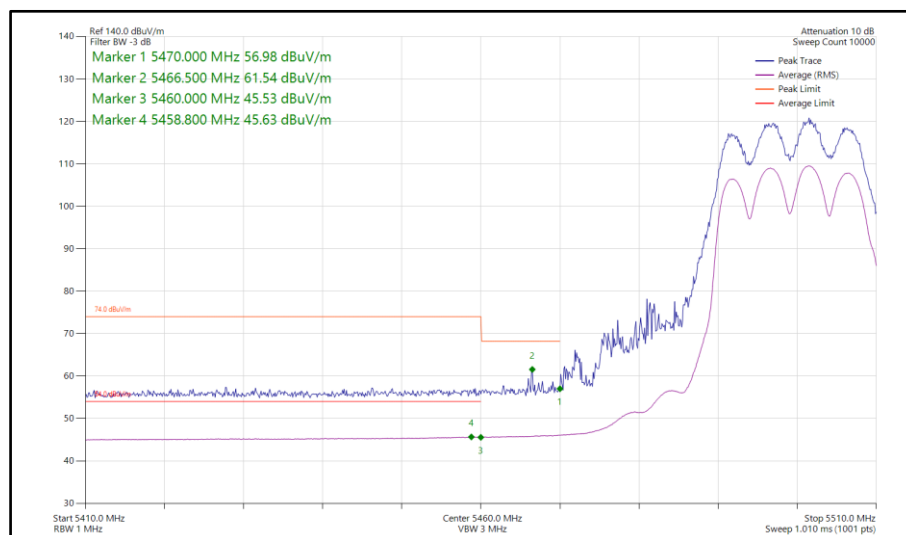


**Figure 43 - 802.11ax HE20, SU, CDD, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

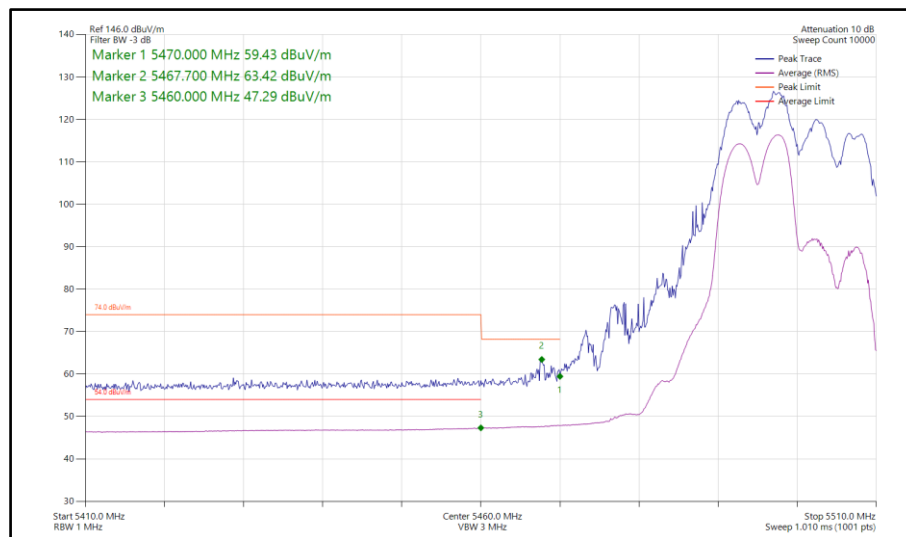


**Figure 44 - 802.11ax HE20, RU106-53, CDD, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

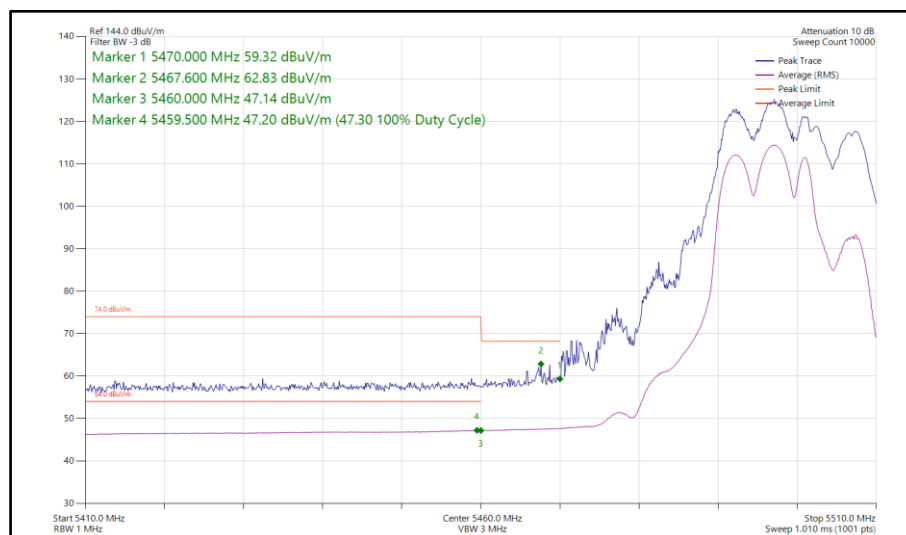


**Figure 45 - 802.11be EHT20, RU106+26-82, CDD, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

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	MCS 2	-	-	5180	5150	65.71	51.13
802.11ax HE20	MCS 11x2	SU	-	5180	5150	69.15	49.53
802.11ax HE20	MCS 11x2	106	53	5180	5150	62.15	46.59
802.11be EHT20	MCS 9x2	106+26	82	5180	5150	67.81	47.63
802.11n HT20	MCS 7	-	-	5320	5350	69.49	50.60
802.11ax HE20	MCS 11x2	SU	-	5320	5350	69.06	50.89
802.11ax HE20	MCS 11x2	106	54	5320	5350	62.89	47.51
802.11be EHT20	MCS 9x2	106+26	83	5320	5350	66.12	49.08
802.11n HT20	MCS 7	-	-	5500	5460	63.53	46.32
802.11ax HE20	MCS 4x2	SU	-	5500	5460	62.07	46.82
802.11ax HE20	MCS 11x2	52	37	5500	5460	62.54	45.51
802.11be EHT20	MCS 9x2	106+26	82	5500	5460	63.67	46.99

Table 10 - SDM Restricted Band Edge Results

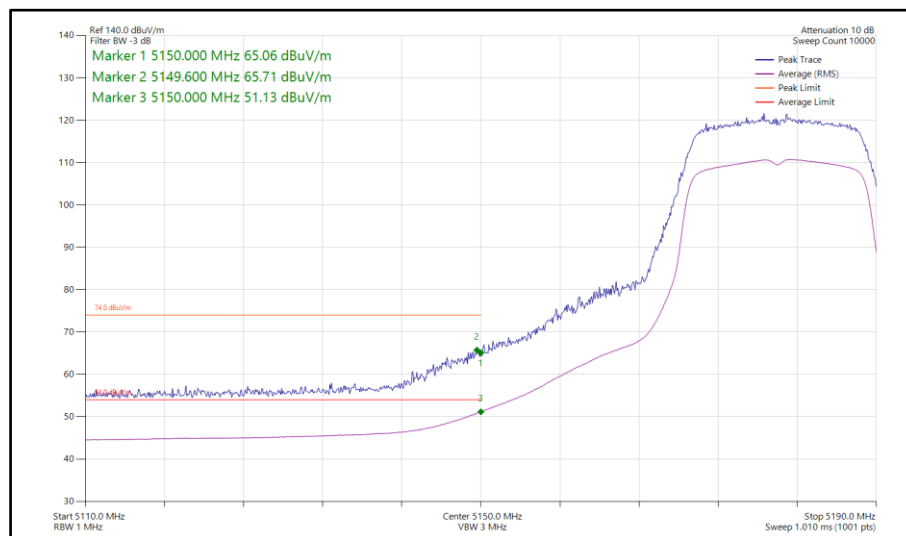


**Figure 46 - 802.11n HT20, SDM, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz**

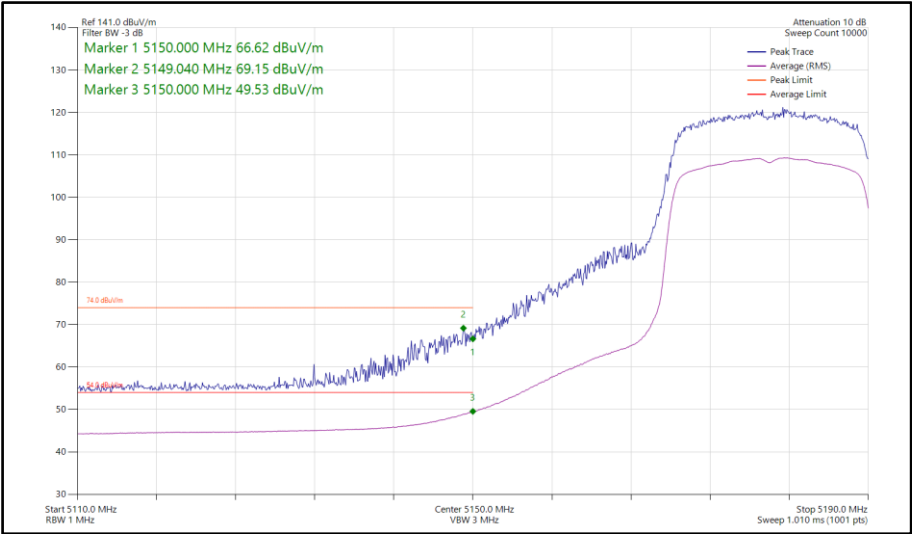


Figure 47 - 802.11ax HE20, SU, SDM, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz

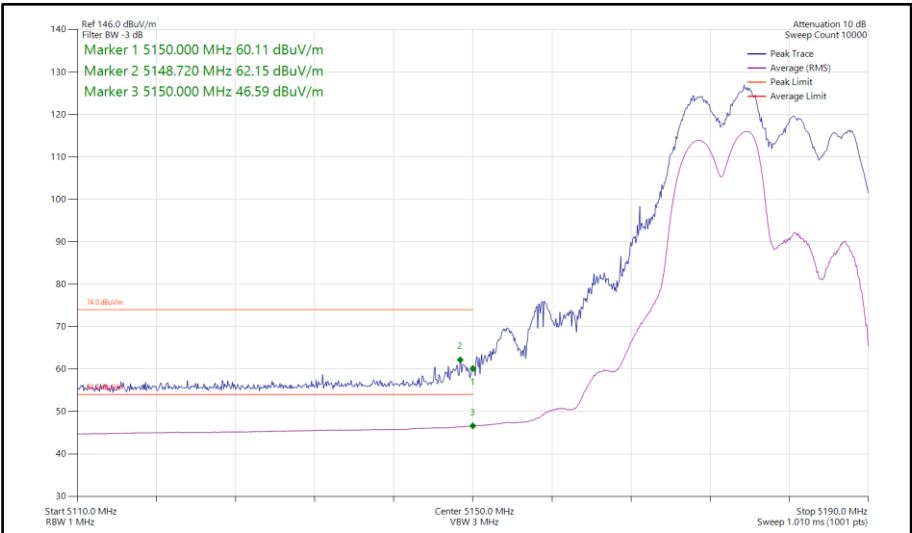


Figure 48 - 802.11ax HE20, RU106-53, SDM, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz

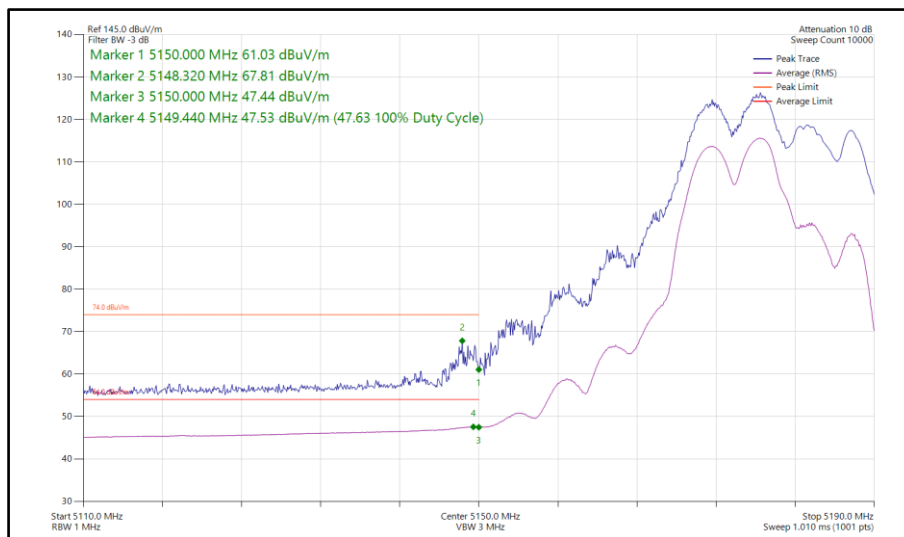


**Figure 49 - 802.11be EHT20, RU106+26-82, SDM, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz**

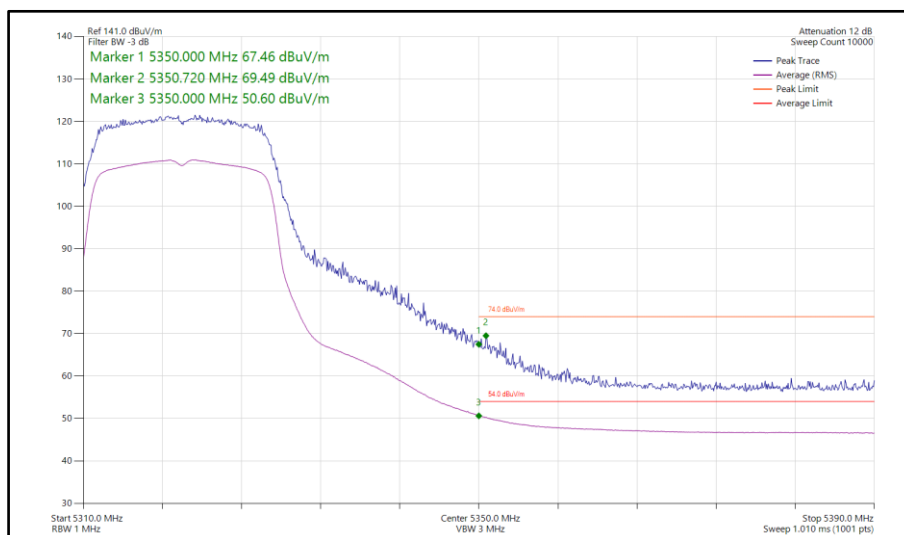


**Figure 50 - 802.11n HT20, SDM, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

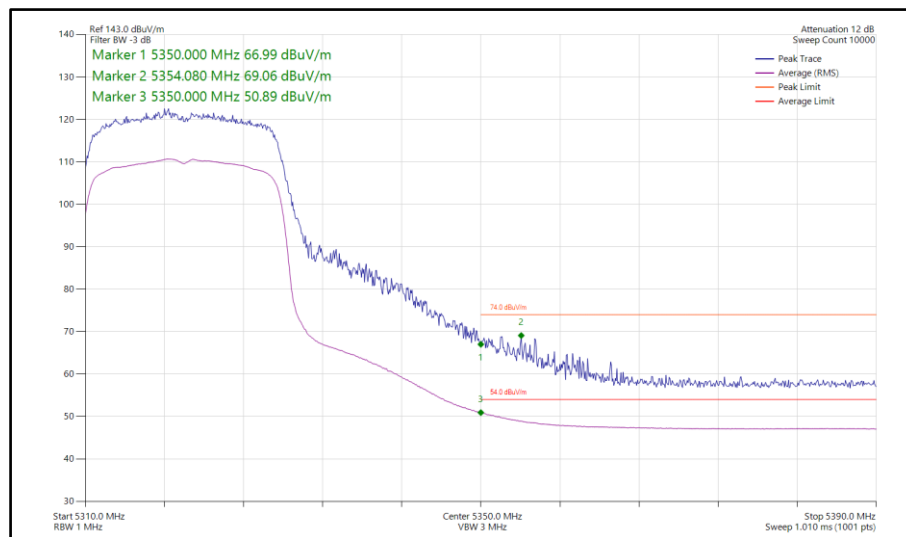


**Figure 51 - 802.11ax HE20, SU, SDM, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

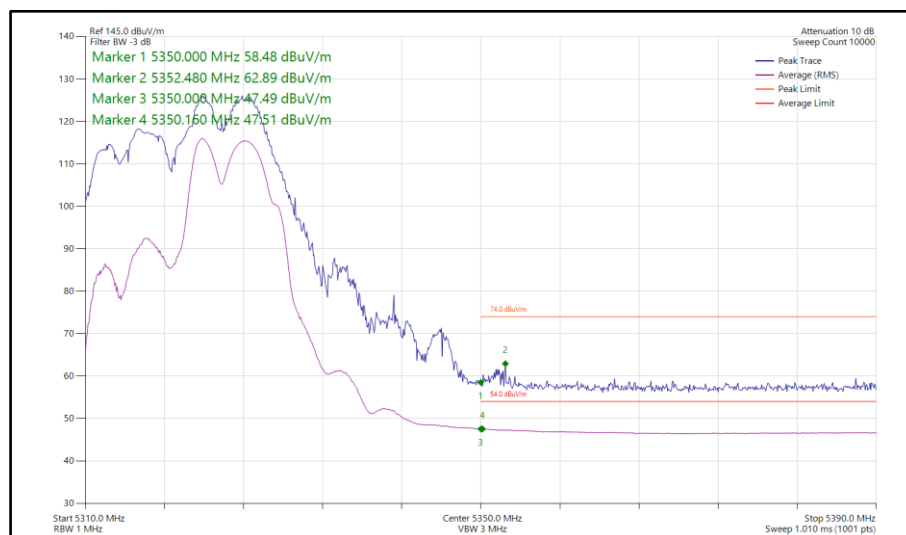


**Figure 52 - 802.11ax HE20, RU106-54, SDM, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

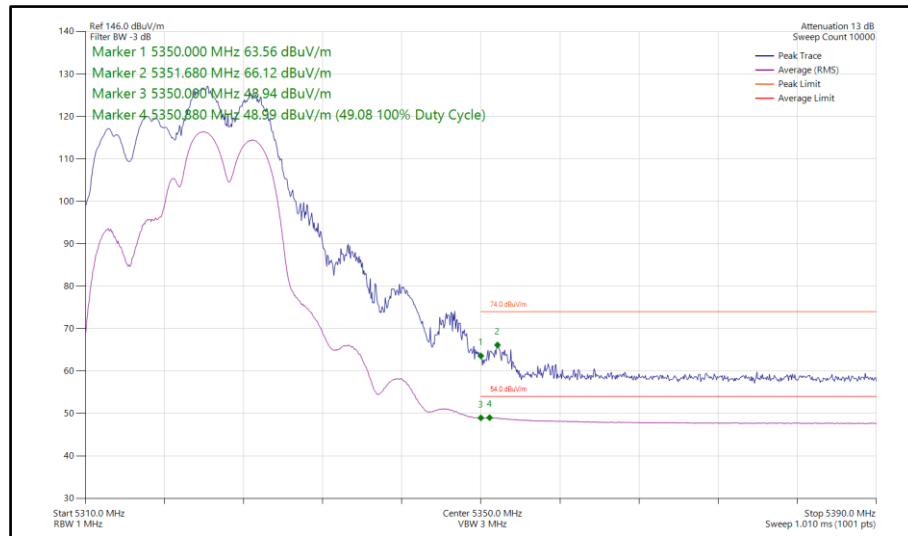


**Figure 53 - 802.11be EHT20, RU106+26-83, SDM, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

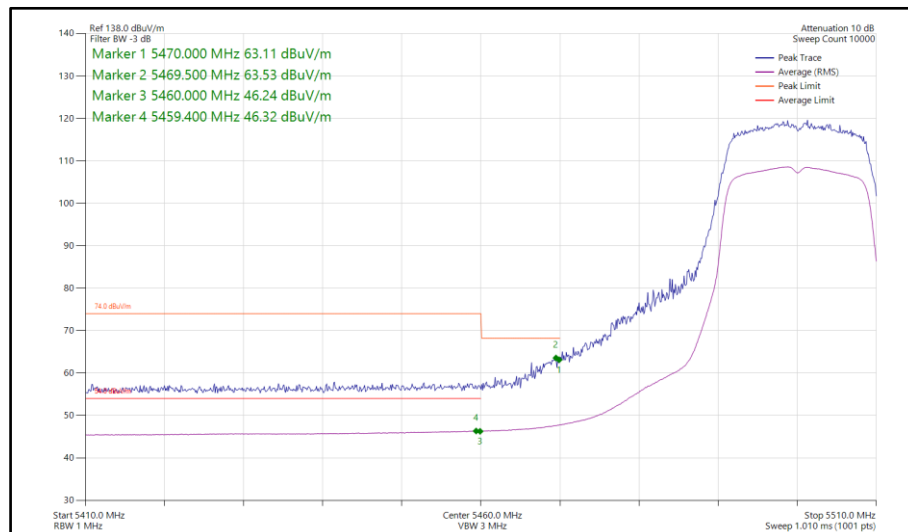


**Figure 54 - 802.11n HT20, SDM, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

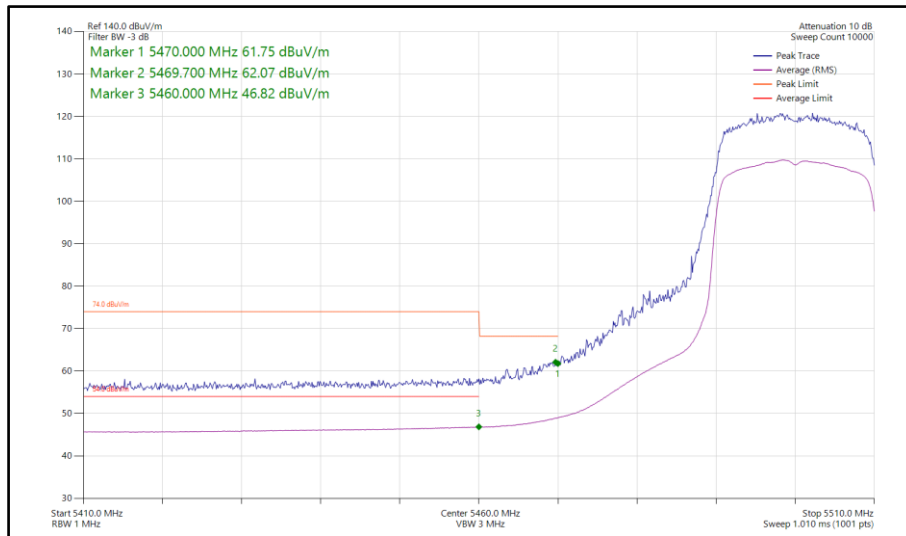


**Figure 55 - 802.11ax HE20, SU, SDM, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

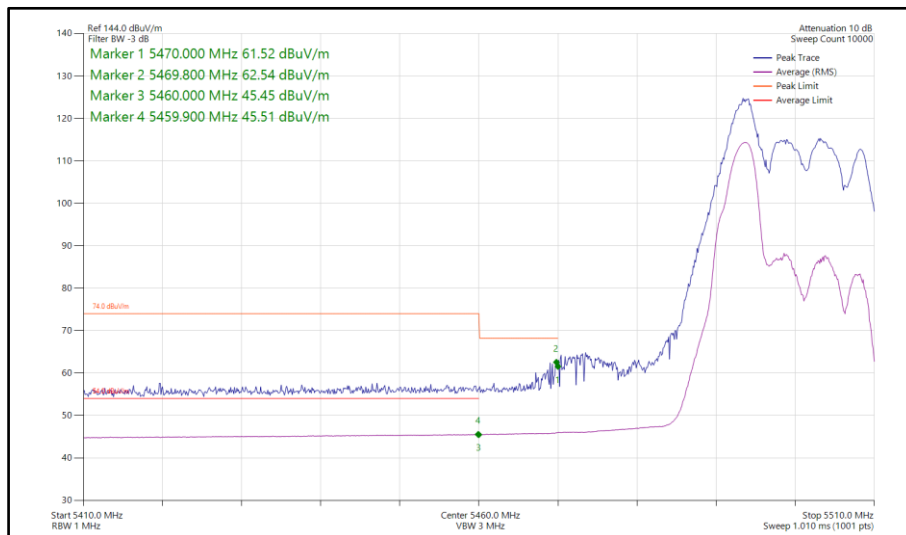


**Figure 56 - 802.11ax HE20, RU52-37, SDM, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

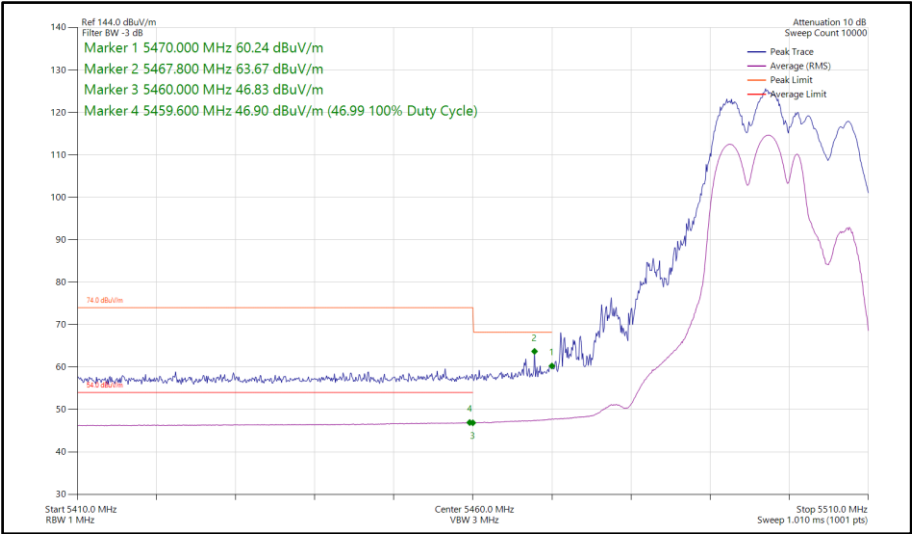


**Figure 57 - 802.11be EHT20, RU106+26-82, SDM, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

20 MHz Bandwidth - Core 0-1 (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	MCS 8x1	-	-	5180	5150	67.92	48.69
802.11ax HE20	MCS 2x1	SU	-	5180	5150	63.54	48.69
802.11ac VHT20	MCS 4x1	-	-	5320	5350	65.44	50.73
802.11ax HE20	MCS 4x1	SU	-	5320	5350	65.81	51.31
802.11ac VHT20	MCS 4x1	-	-	5500	5460	63.68	46.03
802.11ax HE20	MCS 11x1	SU	-	5500	5460	63.49	45.68

Table 11 - TxBF Restricted Band Edge Results

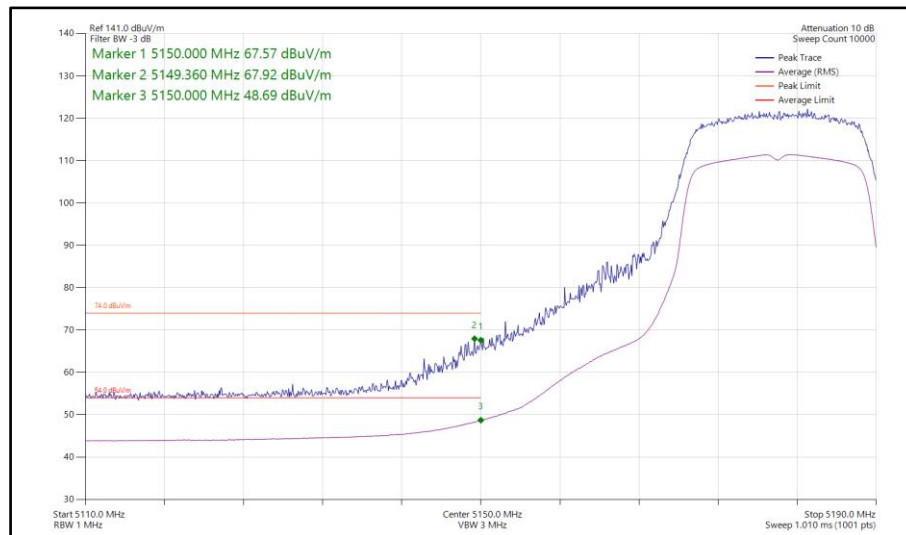


Figure 58 - 802.11ac VHT20, TxBF, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz

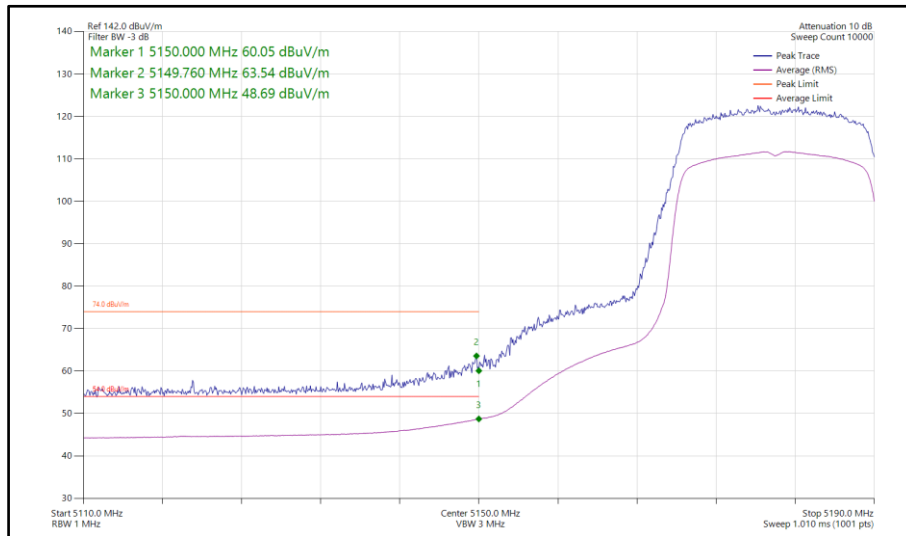


**Figure 59 - 802.11ax HE20, SU, TxBF, Core 0-1 - 5180 MHz
Band Edge Frequency 5150 MHz**

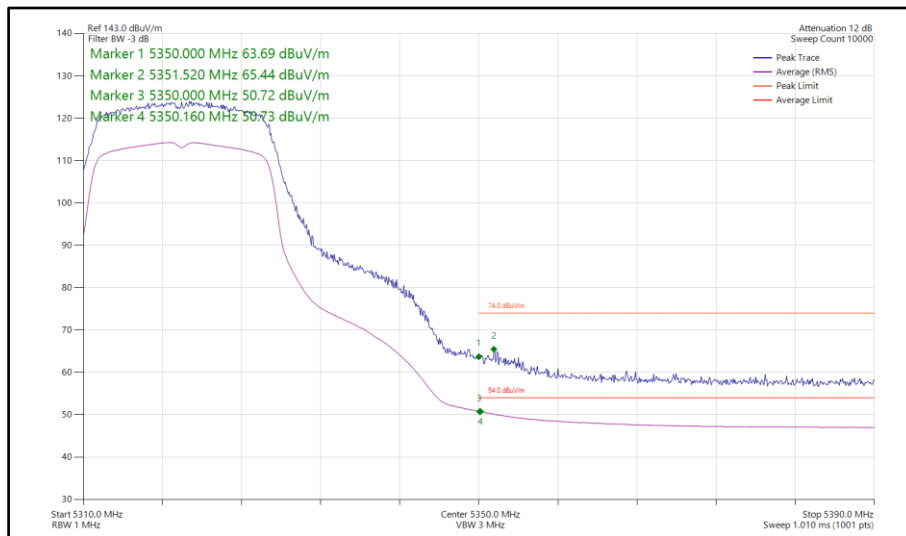


**Figure 60 - 802.11ac VHT20, TxBF, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

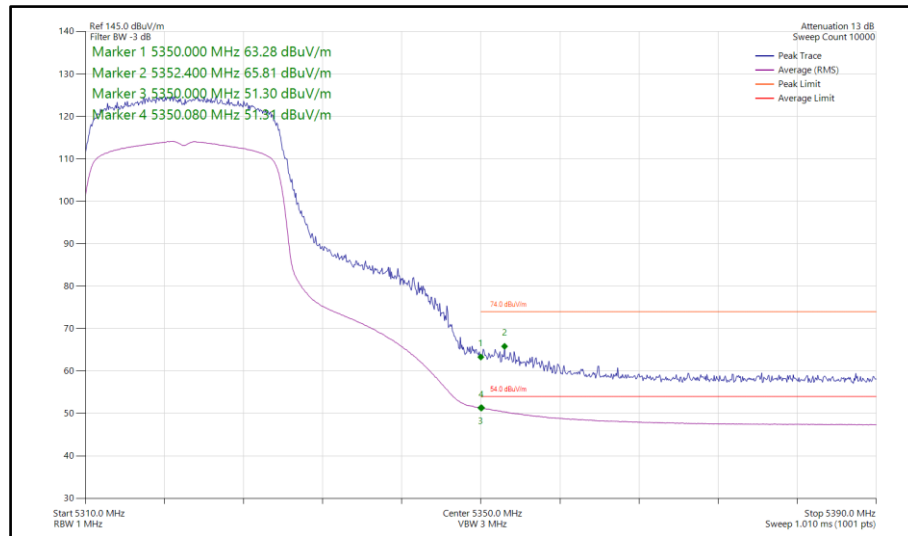


**Figure 61 - 802.11ax HE20, SU, TxBF, Core 0-1 - 5320 MHz
Band Edge Frequency 5350 MHz**

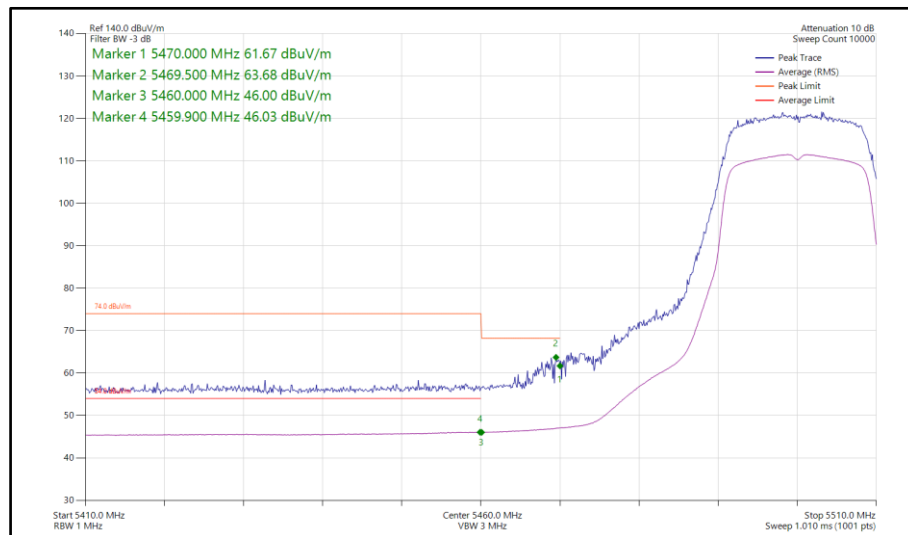


**Figure 62 - 802.11ac VHT20, TxBF, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz**

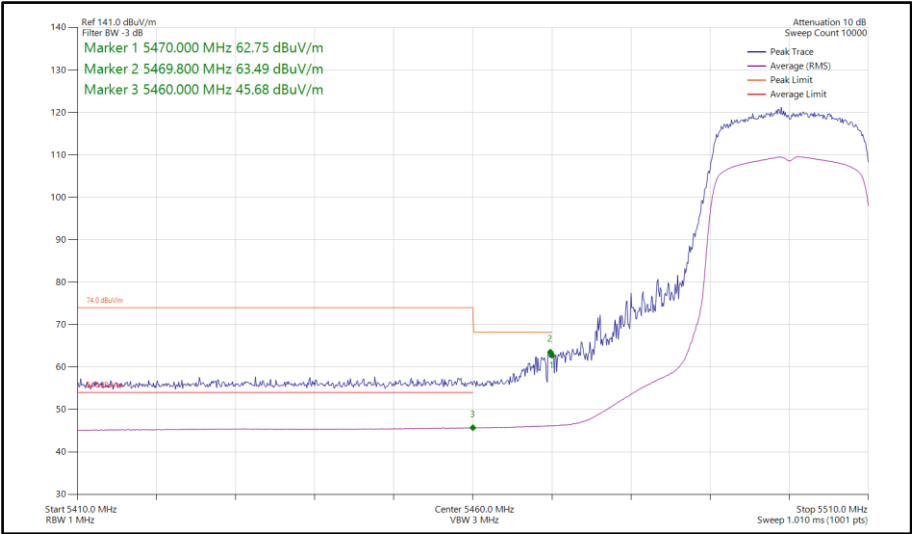


Figure 63 - 802.11ax HE20, SU, TxBF, Core 0-1 - 5500 MHz
Band Edge Frequency 5460 MHz