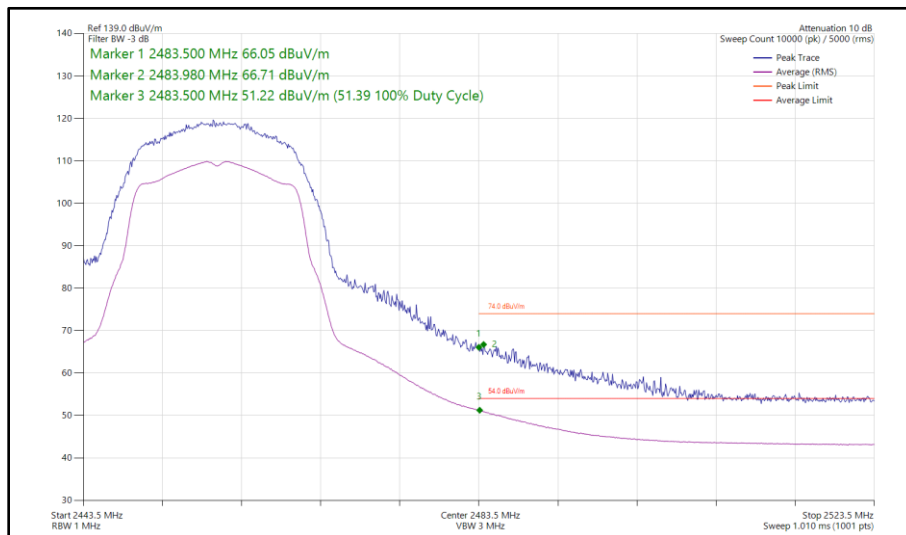
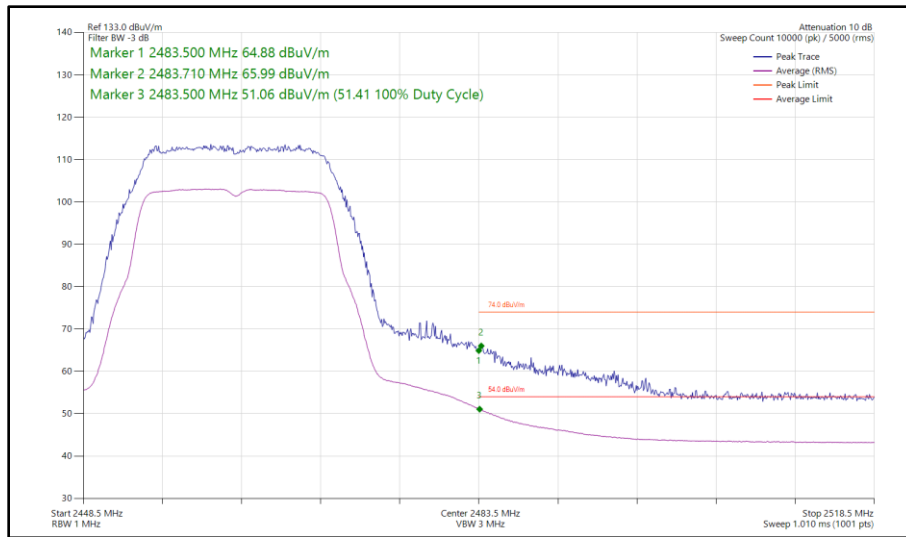


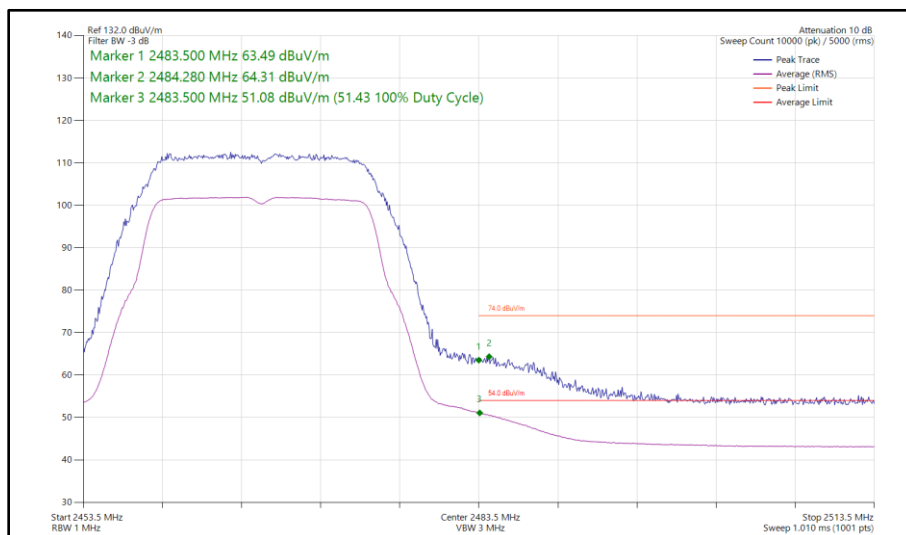
**Figure 76 - 802.11g, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



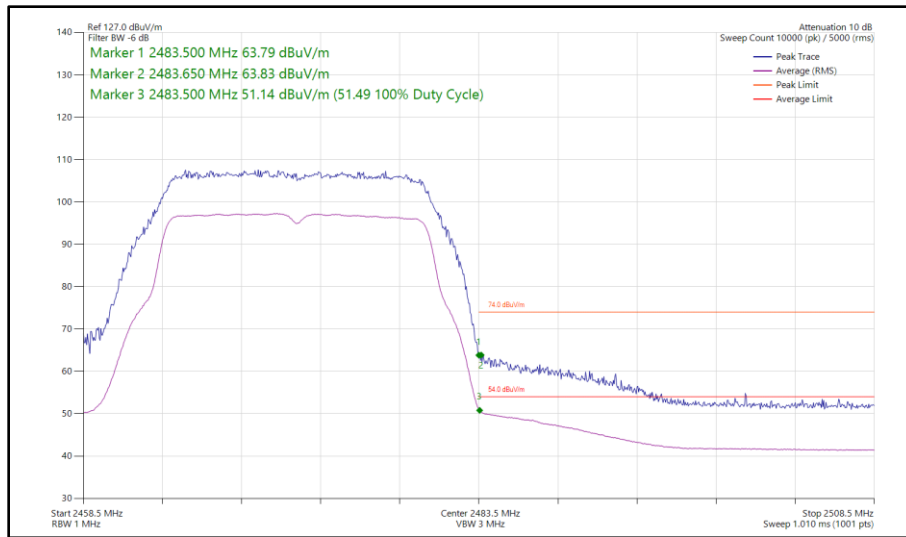
**Figure 77 - 802.11g, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



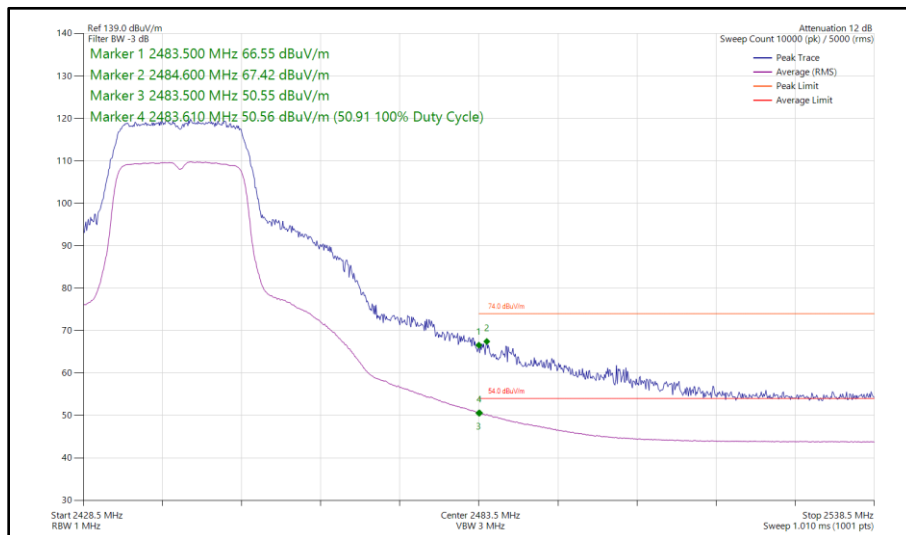
**Figure 78 - 802.11g, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



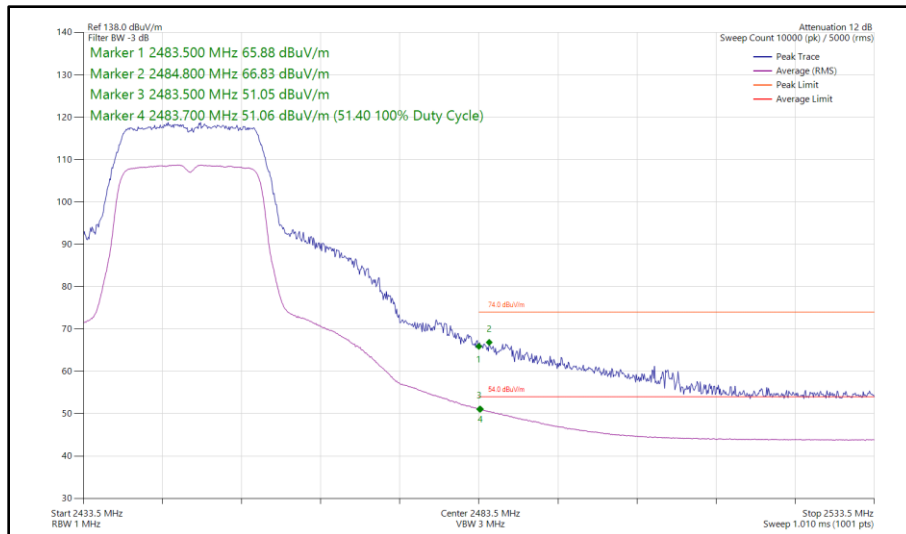
**Figure 79 - 802.11g, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



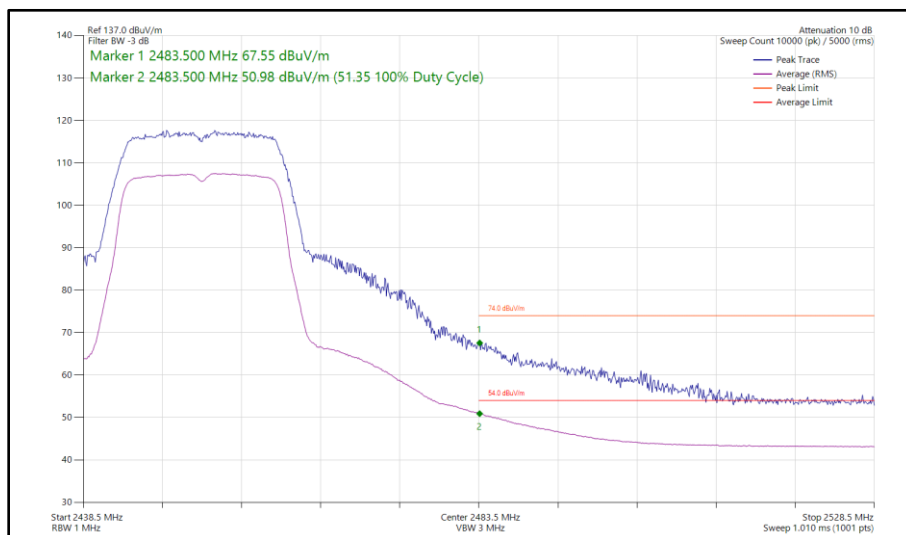
**Figure 80 - 802.11g, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



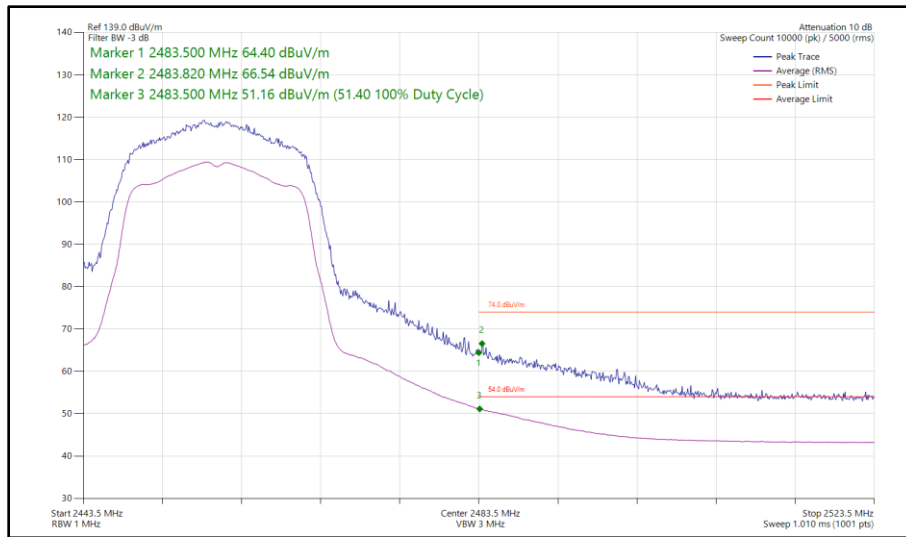
**Figure 81 - 802.11n HT20, SISO, Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz**



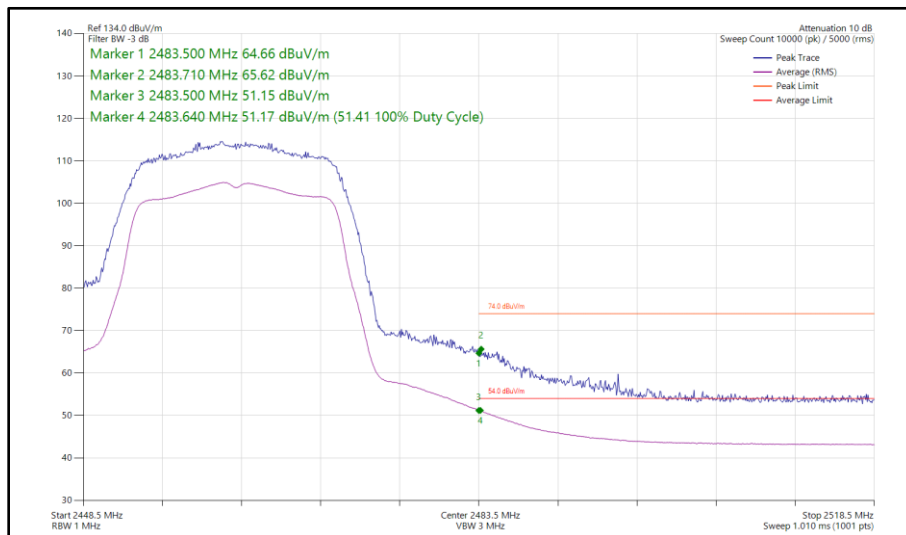
**Figure 82 - 802.11n HT20, SISO, Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**



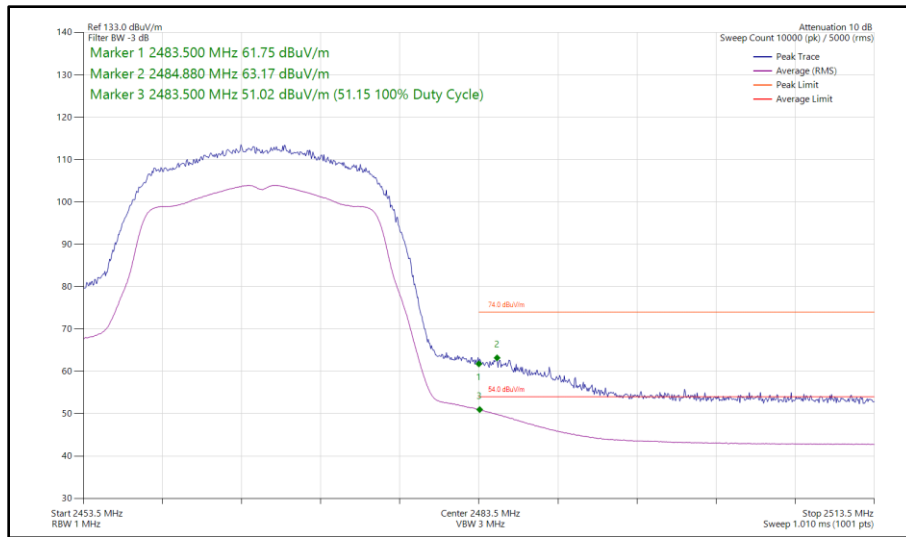
**Figure 83 - 802.11n HT20, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



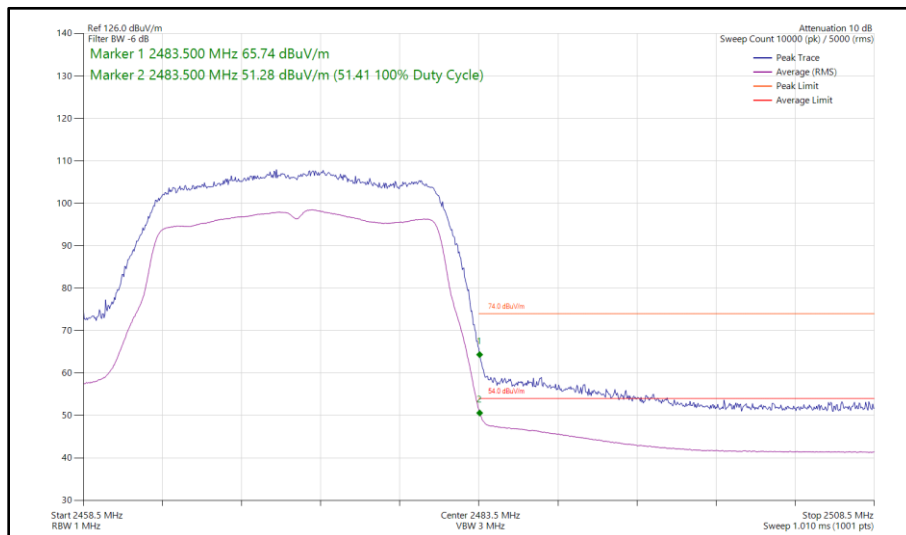
**Figure 84 - 802.11n HT20, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 85 - 802.11n HT20, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 86 - 802.11n HT20, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 87 - 802.11n HT20, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**

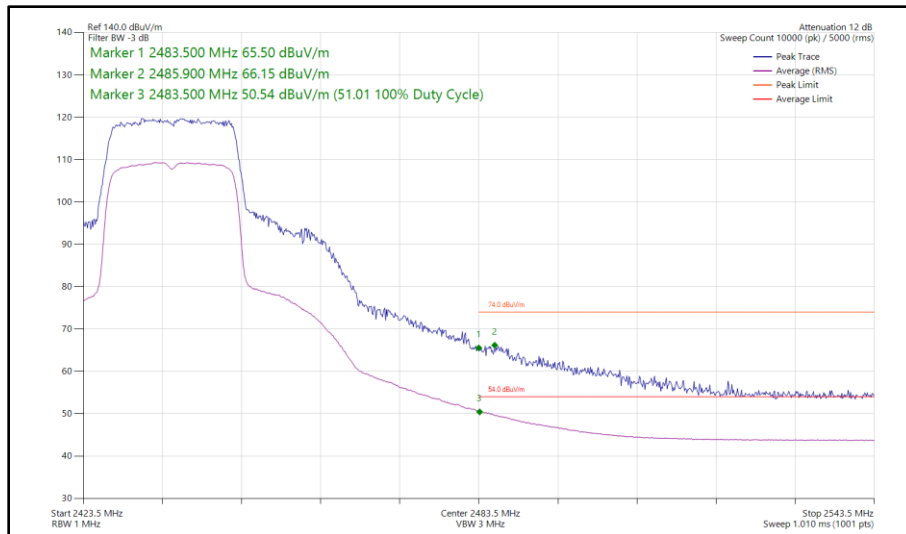


Figure 88 - 802.11ax HE20, SU, SISO, Core 1 - 2437 MHz
Band Edge Frequency 2483.5 MHz

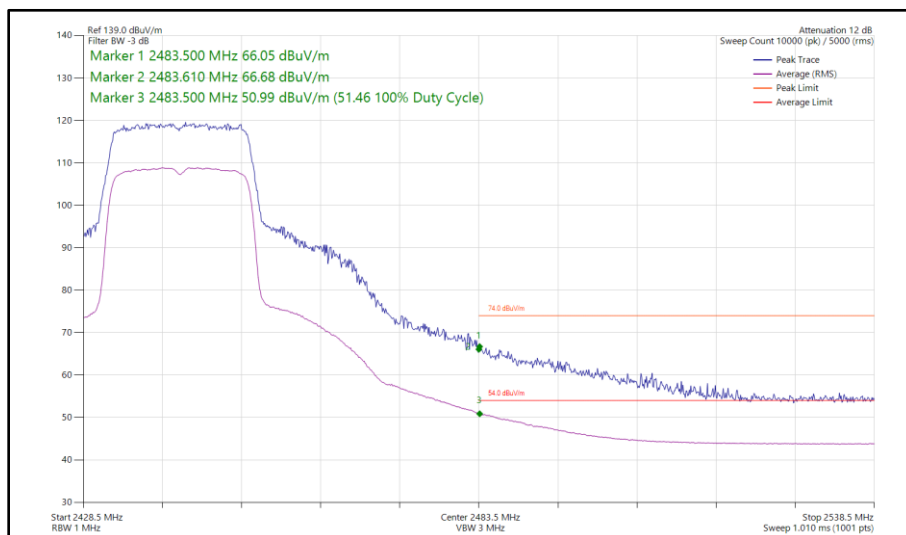
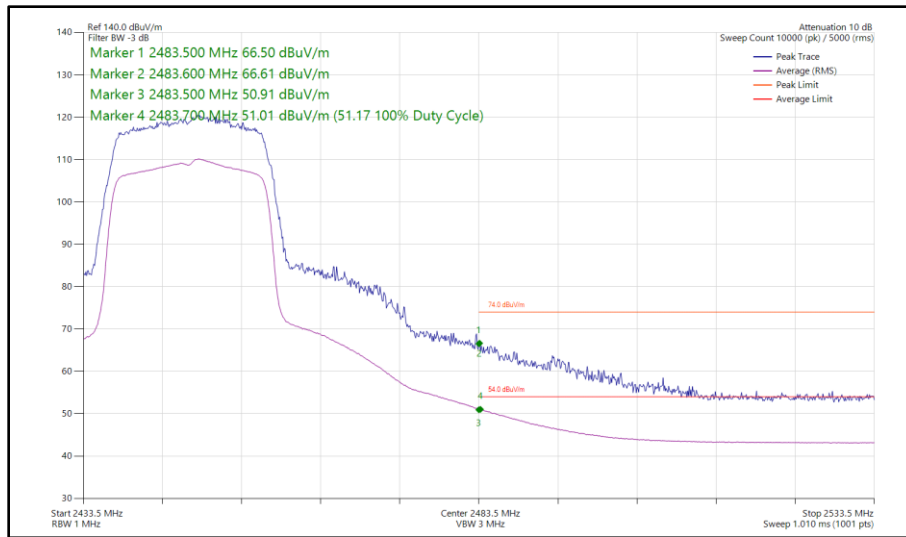
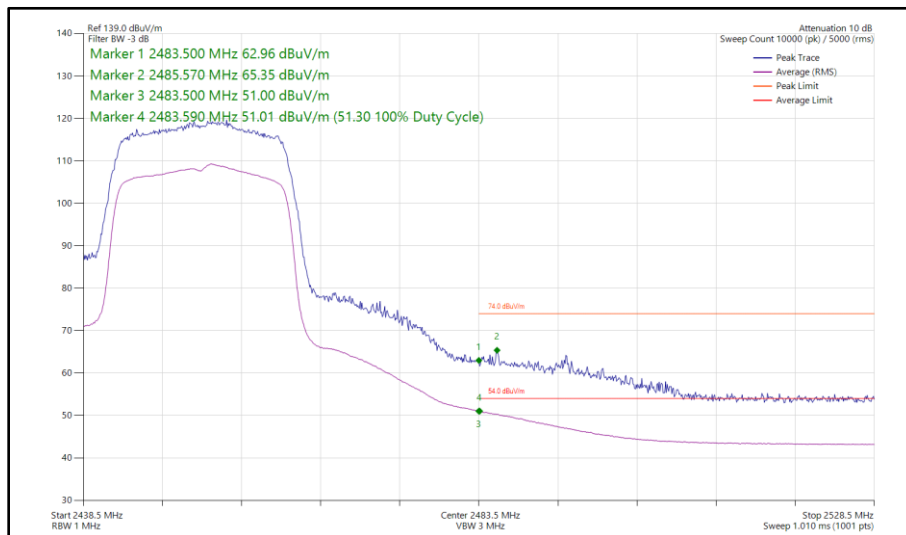


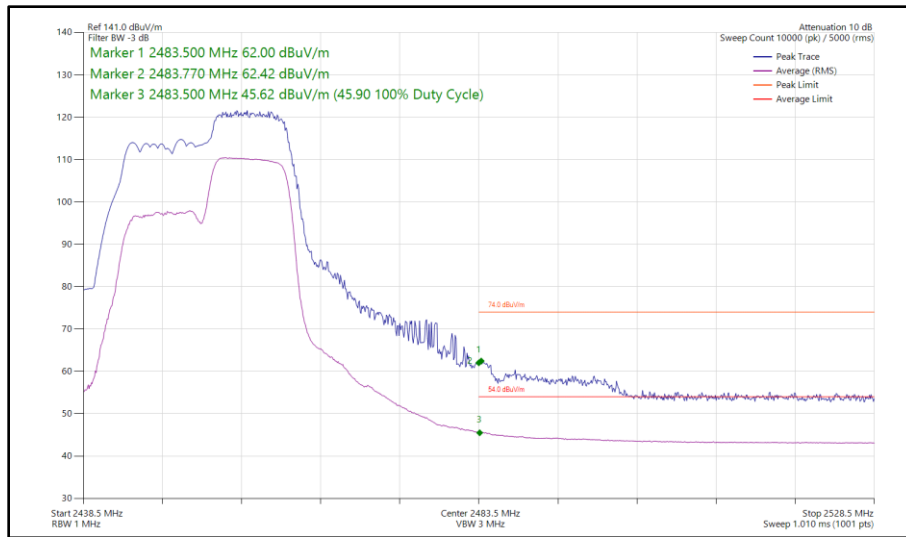
Figure 89 - 802.11ax HE20, SU, SISO, Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz



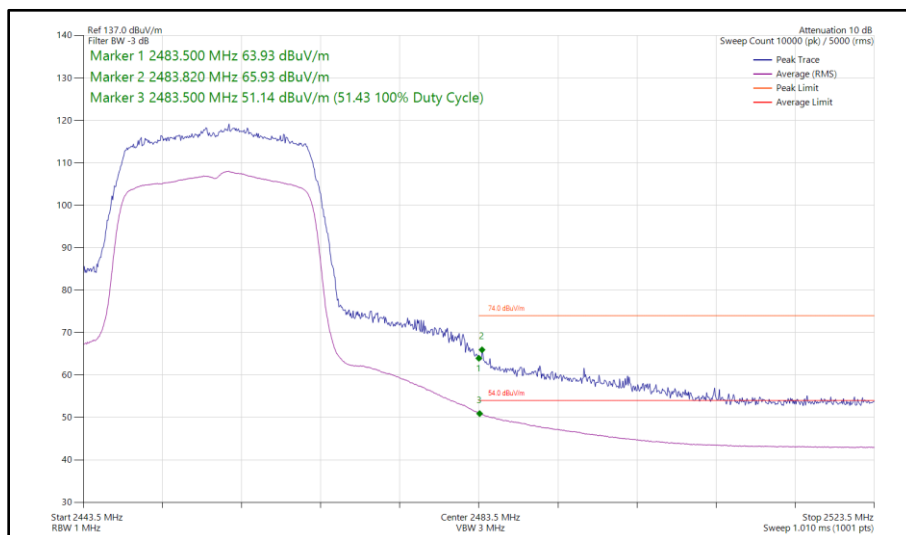
**Figure 90 - 802.11ax HE20, SU, SISO, Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**



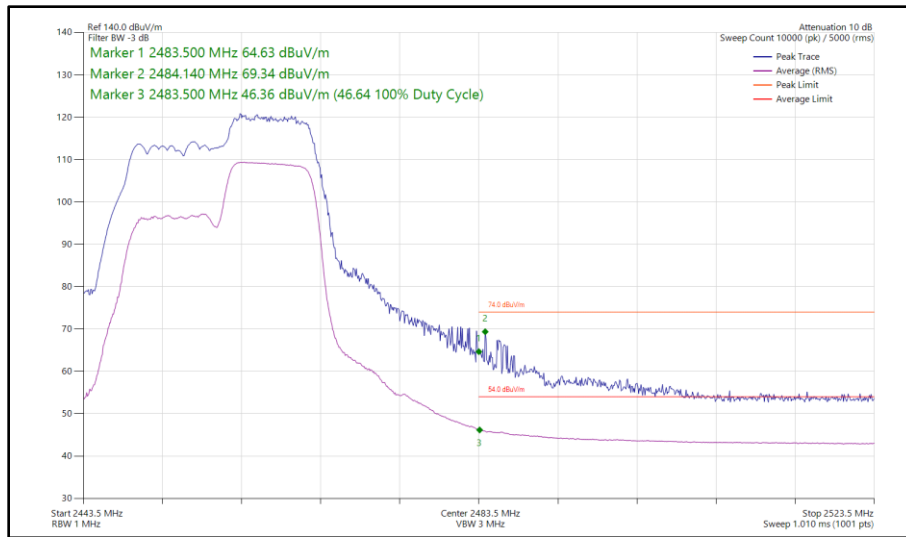
**Figure 91 - 802.11ax HE20, SU, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



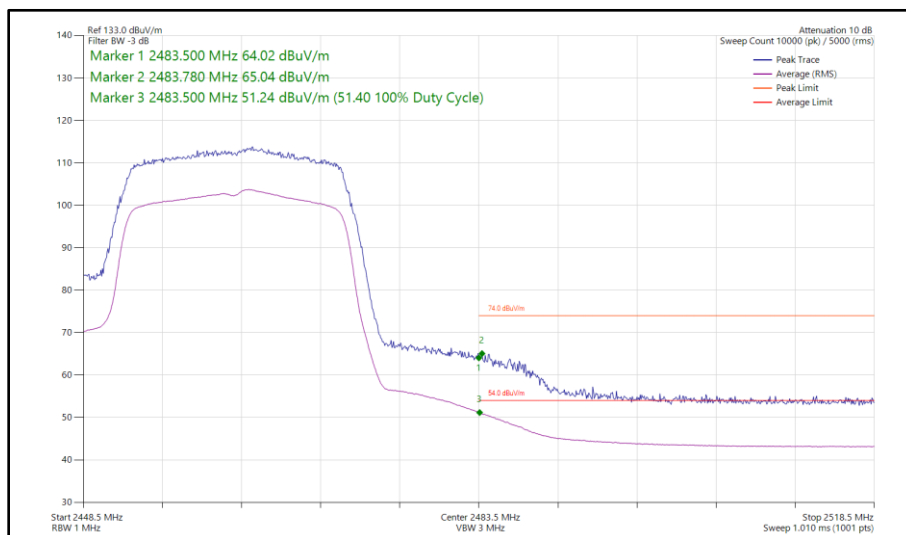
**Figure 92 - 802.11ax HE20, RU 106-54, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



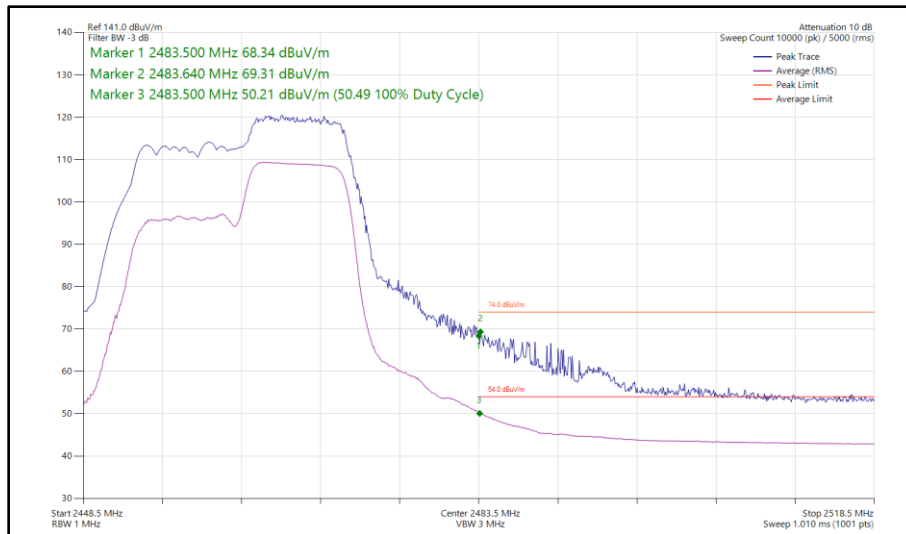
**Figure 93 - 802.11ax HE20, SU, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



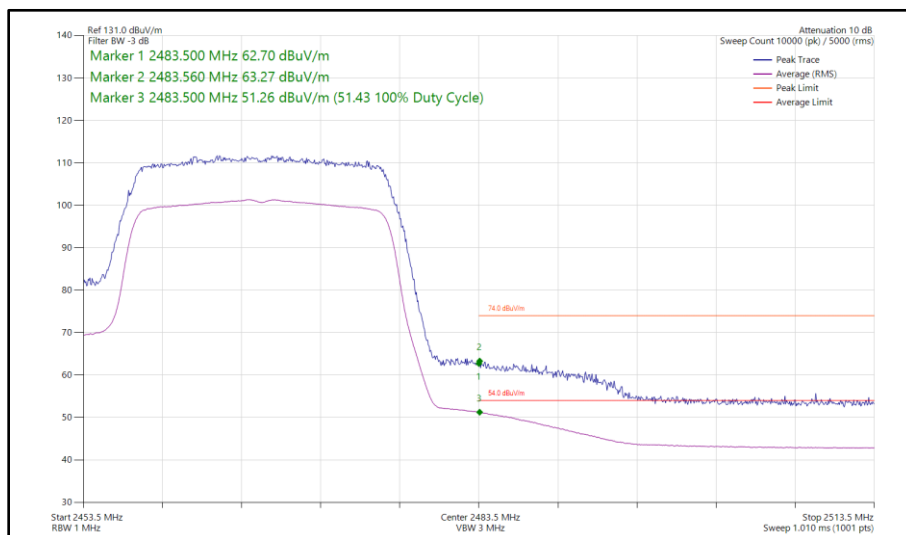
**Figure 94 - 802.11ax HE20, RU 106-54, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



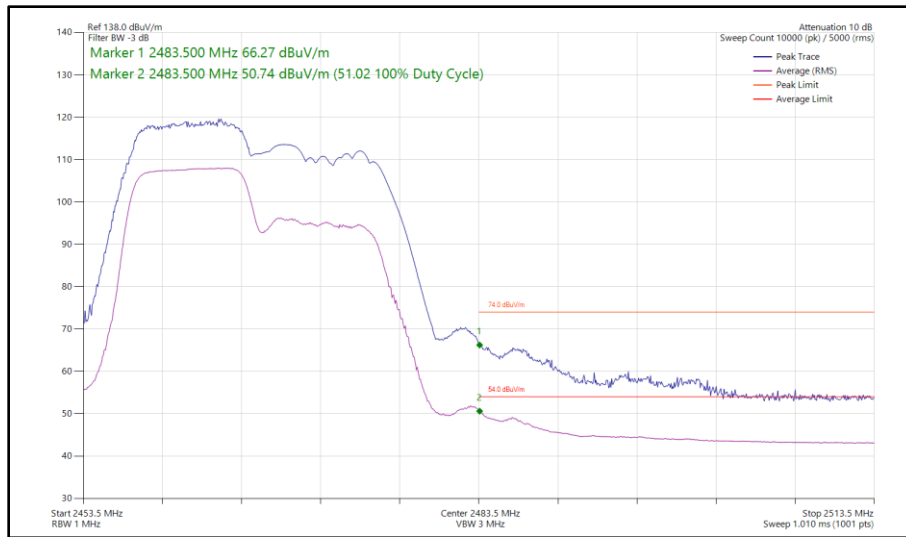
**Figure 95 - 802.11ax HE20, SU, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



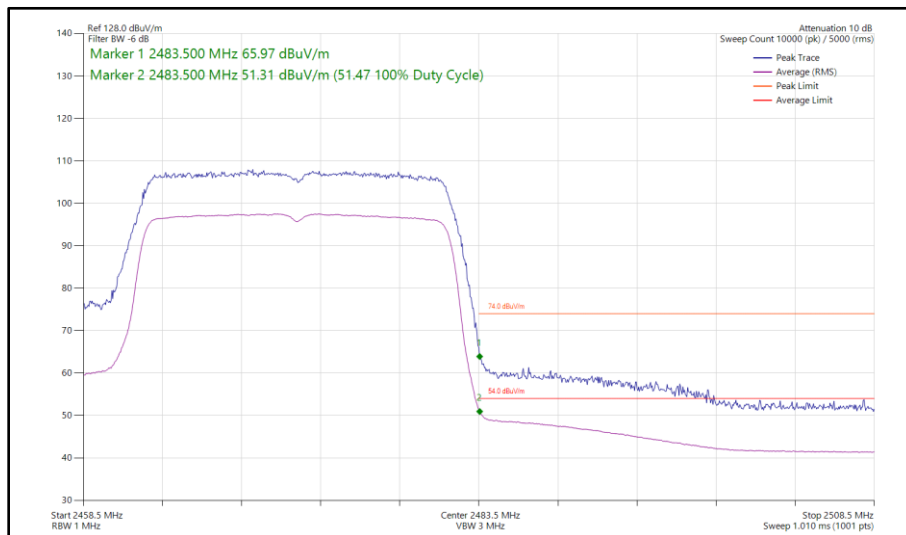
**Figure 96 - 802.11ax HE20, RU 106-54, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



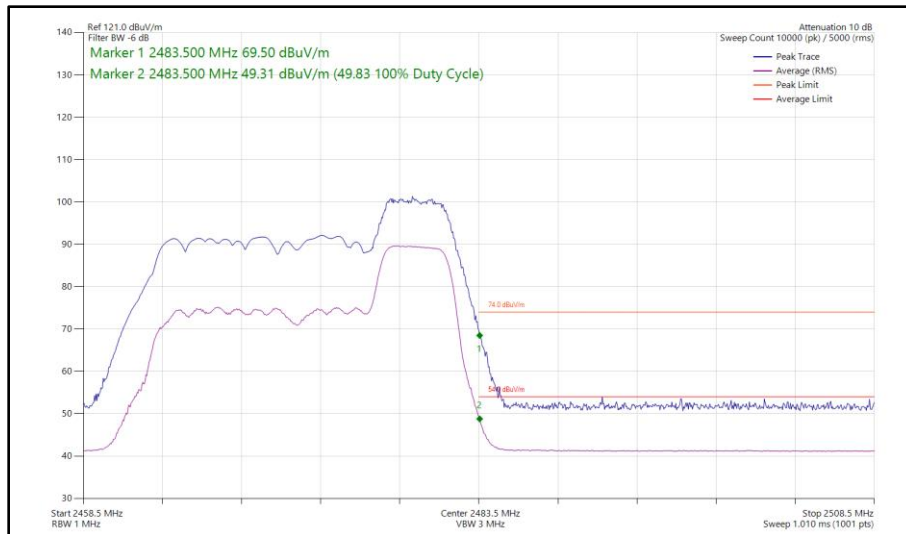
**Figure 97 - 802.11ax HE20, SU, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 98 - 802.11ax HE20, RU 106-53, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 99 - 802.11ax HE20, SU, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



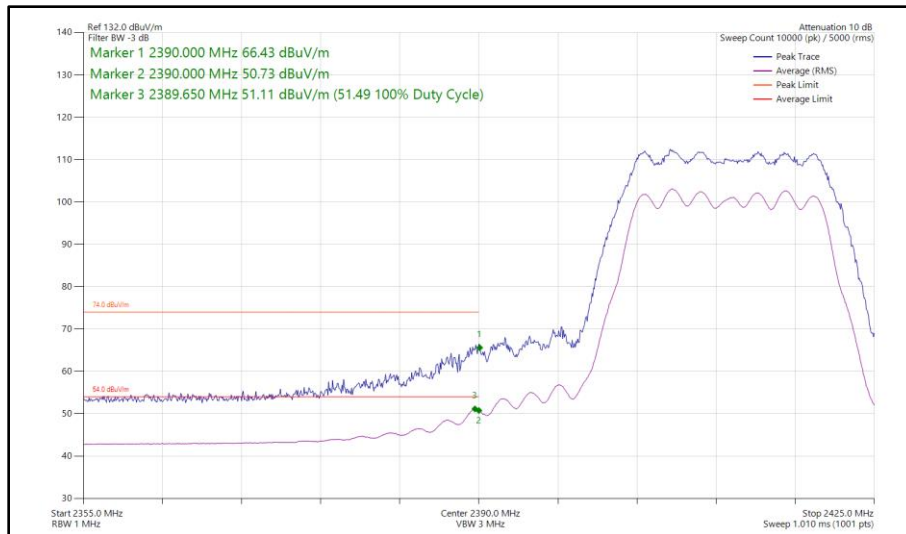
**Figure 100 - 802.11ax HE20, RU 52-40, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



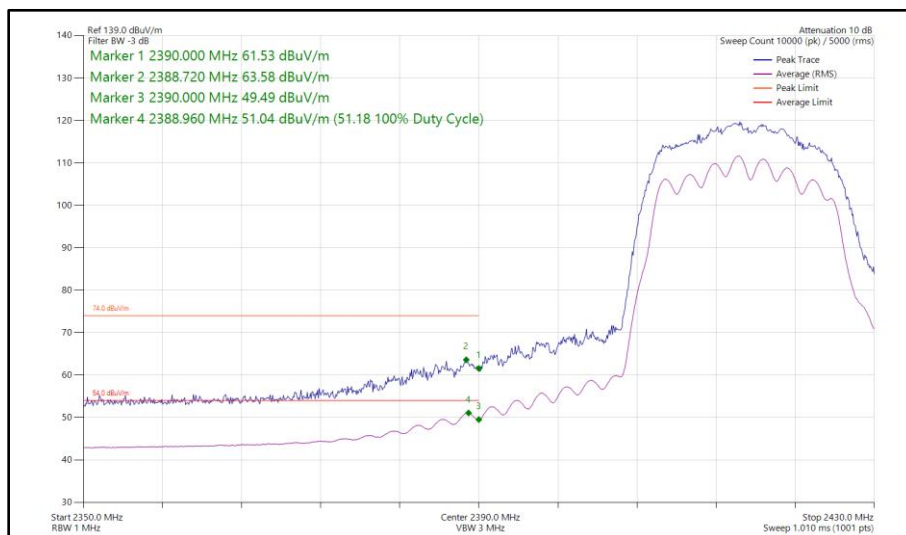
20 MHz Bandwidth - Core 0 - Core 1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBuV/m)
802.11n HT20	MCS 7	-	-	2412	2390	66.43	51.49
802.11n HT20	MCS 2	-	-	2417	2390	63.58	51.18
802.11n HT20	MCS 7	-	-	2422	2390	68.06	51.35
802.11n HT20	MCS 7	-	-	2427	2390	69.21	49.85
802.11n HT20	MCS 7	-	-	2432	2390	68.76	51.37
802.11ax HE20	MCS 4x1	SU	-	2412	2390	67.47	51.44
802.11ax HE20	MCS 9x1	106	53	2412	2390	68.56	51.46
802.11ax HE20	MCS 2x1	SU	-	2417	2390	63.91	51.29
802.11ax HE20	MCS 9x1	106	54	2417	2390	67.70	48.46
802.11ax HE20	MCS 9x1	SU	-	2422	2390	68.61	51.50
802.11ax HE20	MCS 9x1	106	54	2422	2390	66.37	47.48
802.11ax HE20	MCS 9x1	SU	-	2427	2390	69.39	50.39
802.11ax HE20	MCS 9x1	SU	-	2432	2390	68.33	51.47
802.11n HT20	MCS 7	-	-	2437	2483.5	64.68	51.17
802.11n HT20	MCS 7	-	-	2442	2483.5	66.39	50.95
802.11n HT20	MCS 4	-	-	2447	2483.5	64.74	51.49
802.11n HT20	MCS 4	-	-	2452	2483.5	67.66	51.36
802.11n HT20	MCS 4	-	-	2457	2483.5	65.57	51.46
802.11n HT20	MCS 7	-	-	2462	2483.5	65.90	51.45
802.11n HT20	MCS 4	-	-	2467	2483.5	65.57	51.39
802.11n HT20	MCS 7	-	-	2472	2483.5	67.01	50.97
802.11ax HE20	MCS 4x1	SU	-	2437	2483.5	65.26	51.32
802.11ax HE20	MCS 9x1	SU	-	2442	2483.5	66.69	51.25
802.11ax HE20	MCS 4x1	SU	-	2447	2483.5	65.79	51.48
802.11ax HE20	MCS 9x1	SU	-	2452	2483.5	68.45	51.43
802.11ax HE20	MCS 9x1	106	54	2452	2483.5	65.09	48.24
802.11ax HE20	MCS 9x1	SU	-	2457	2483.5	66.56	51.45
802.11ax HE20	MCS 9x1	106	54	2457	2483.5	69.40	48.65
802.11ax HE20	MCS 9x1	SU	-	2462	2483.5	65.48	51.50
802.11ax HE20	MCS 9x1	106	53	2462	2483.5	68.63	51.47
802.11ax HE20	MCS 4x1	SU	-	2467	2483.5	64.70	51.33
802.11ax HE20	MCS 9x1	106	54	2467	2483.5	67.60	51.47
802.11ax HE20	MCS 9x1	SU	-	2472	2483.5	66.79	51.50
802.11ax HE20	MCS 9x1	106	54	2472	2483.5	69.50	49.73

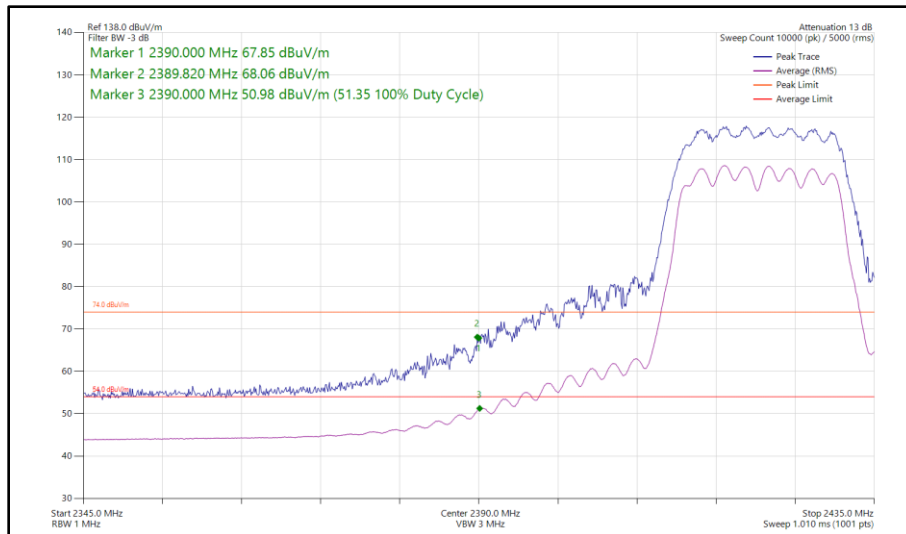
Table 9 - CDD Restricted Band Edge Results



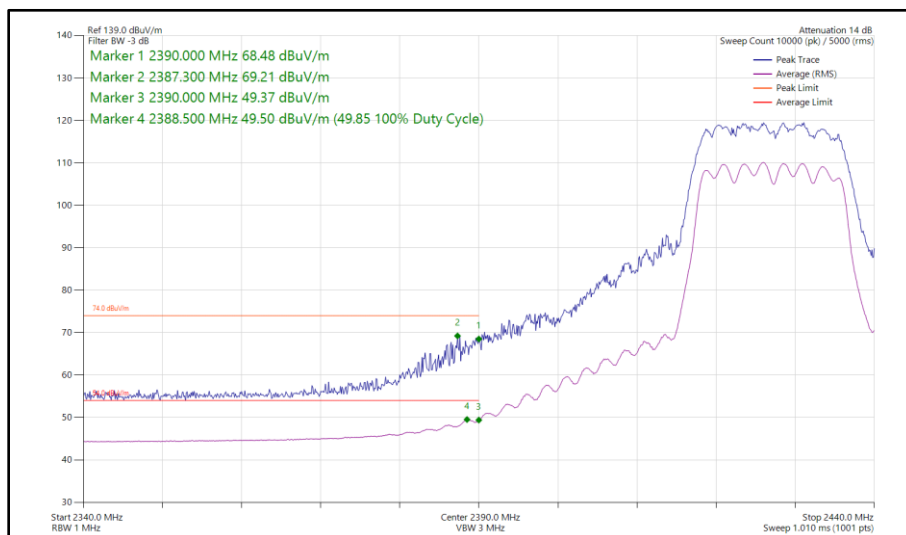
**Figure 101 - 802.11n HT20, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz**



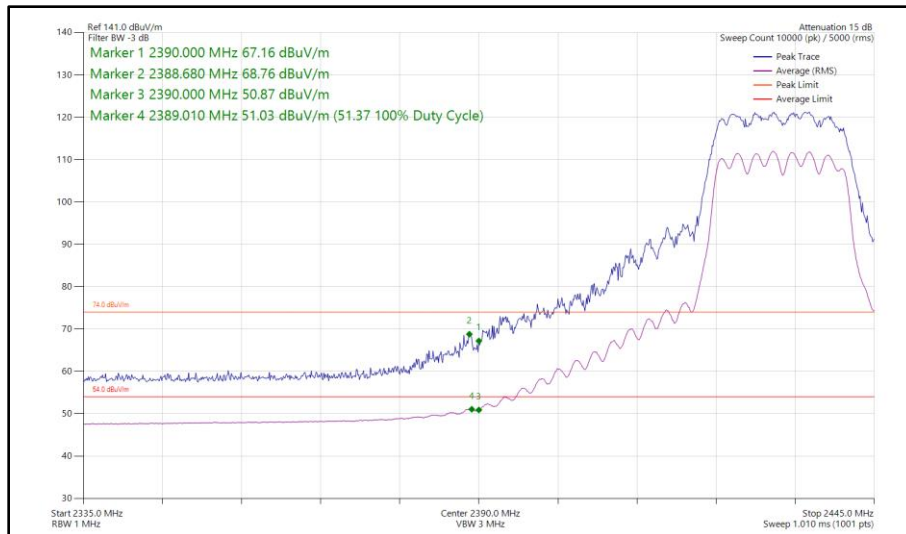
**Figure 102 - 802.11n HT20, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz**



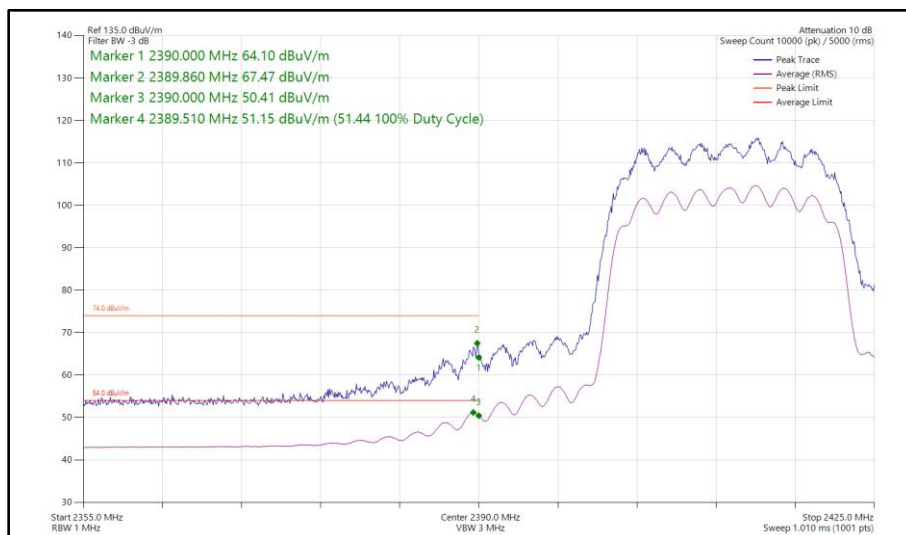
**Figure 103 - 802.11n HT20, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz**



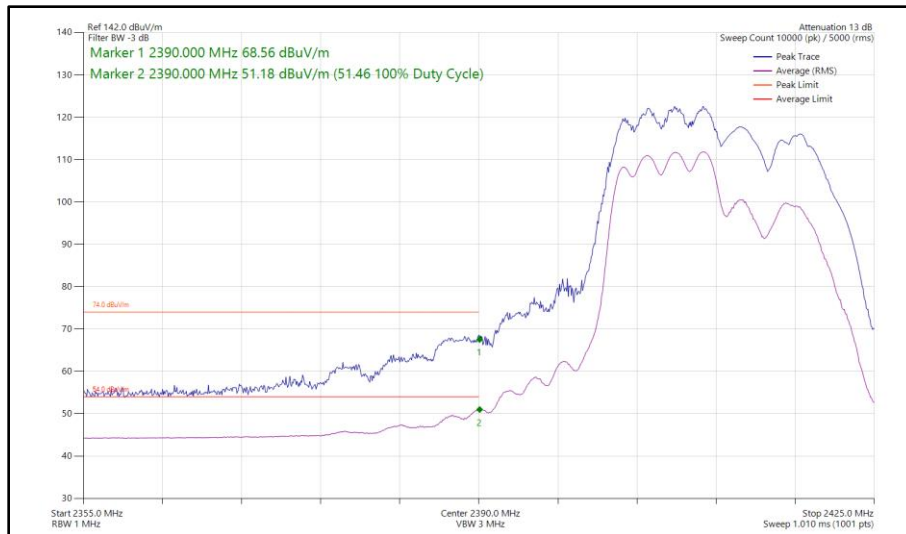
**Figure 104 - 802.11n HT20, CDD, Core 0 - Core 1 - 2427 MHz
Band Edge Frequency 2390 MHz**



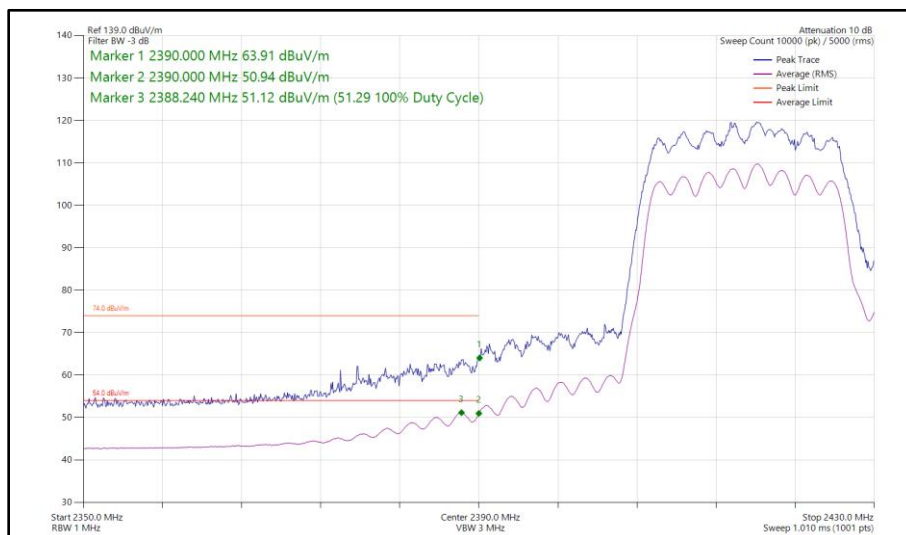
**Figure 105 - 802.11n HT20, CDD, Core 0 - Core 1 - 2432 MHz
Band Edge Frequency 2390 MHz**



**Figure 106 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz**



**Figure 107 - 802.11ax HE20, RU 106-53, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz**



**Figure 108 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz**

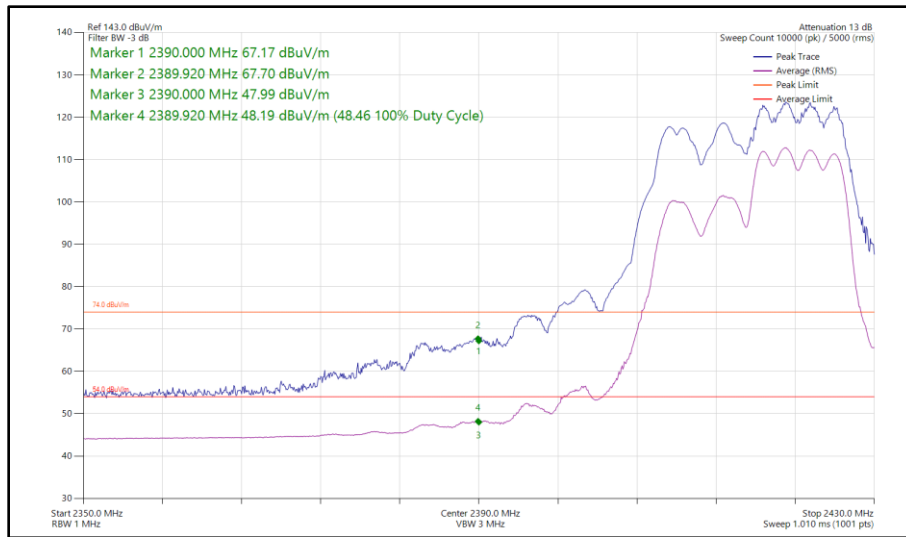


Figure 109 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz

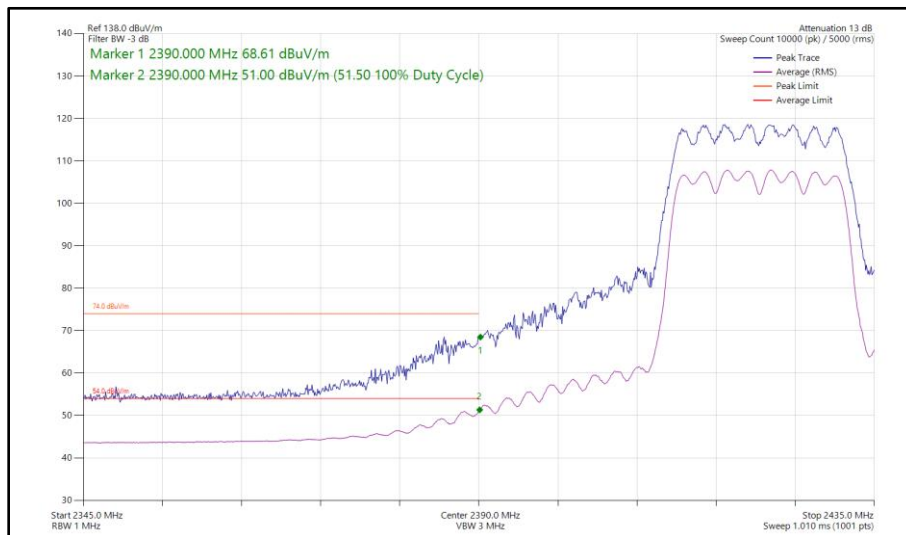


Figure 110 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz

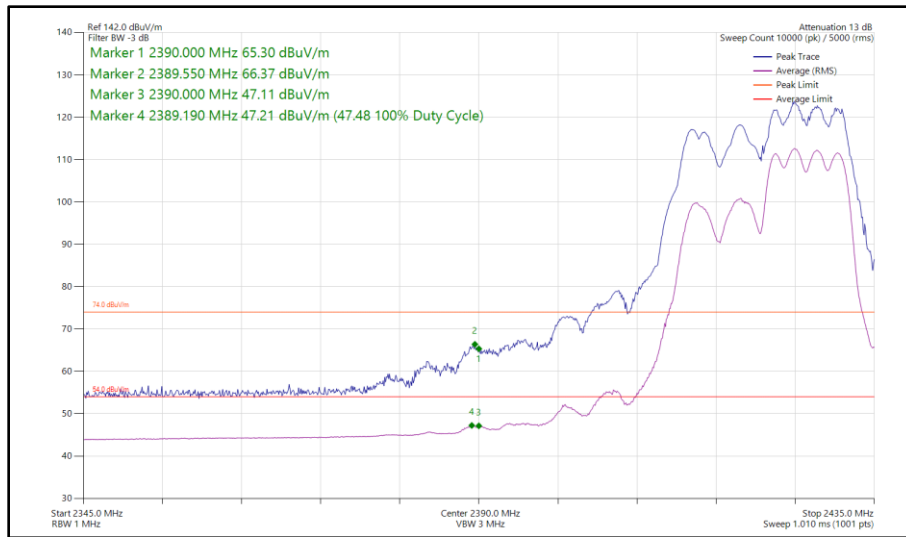


Figure 111 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz

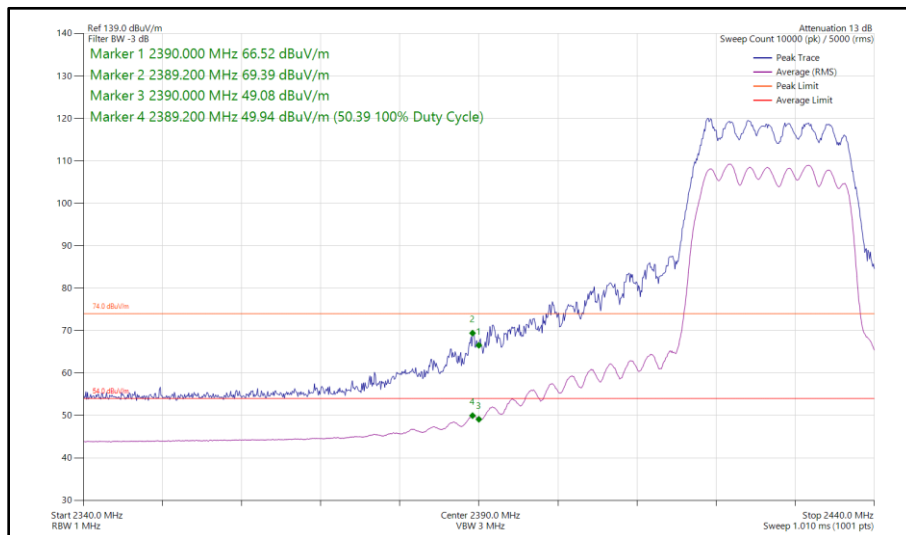
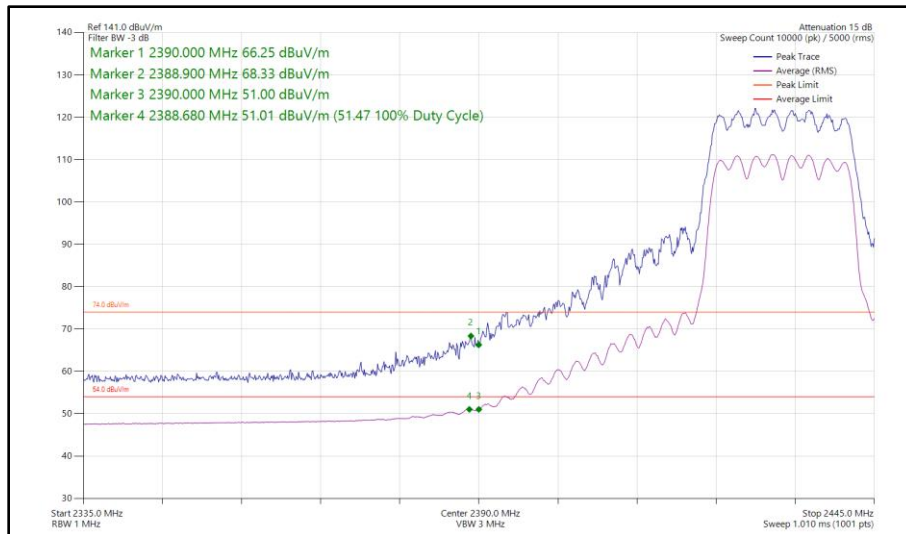
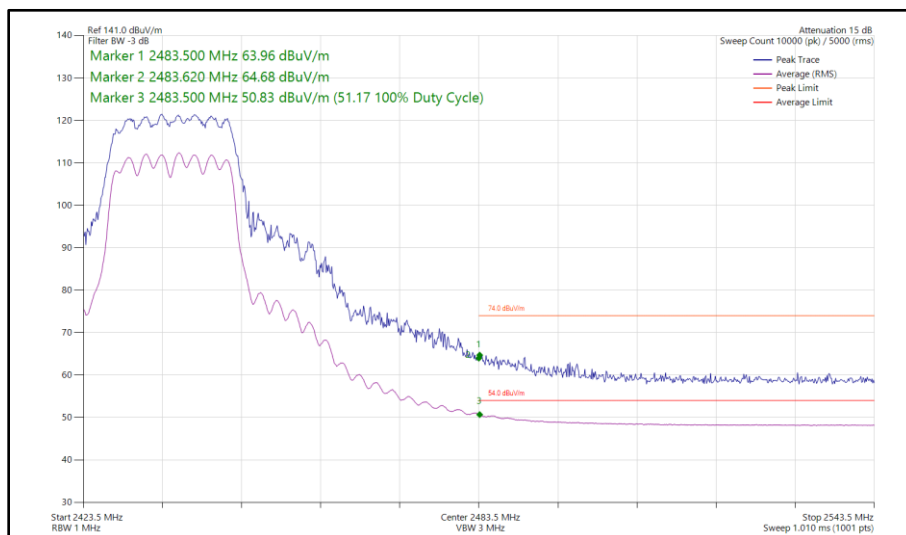


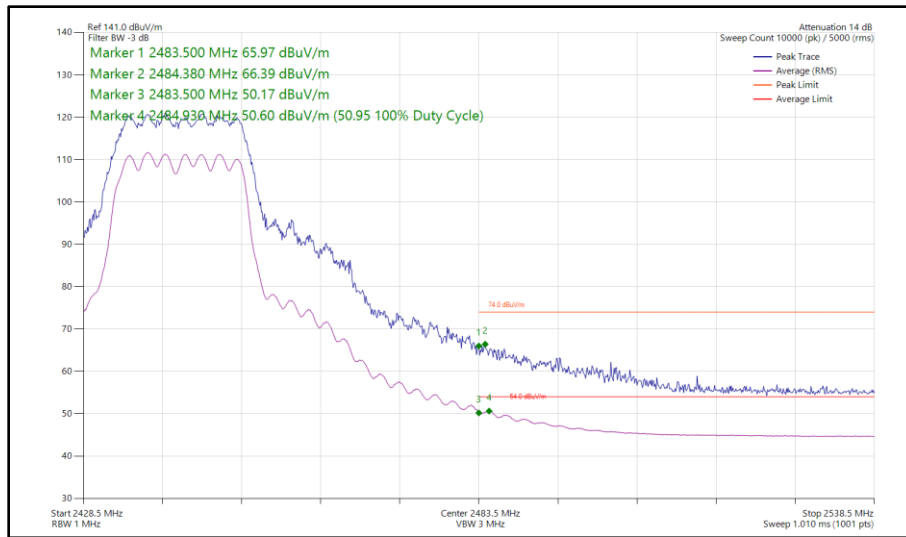
Figure 112 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2427 MHz
Band Edge Frequency 2390 MHz



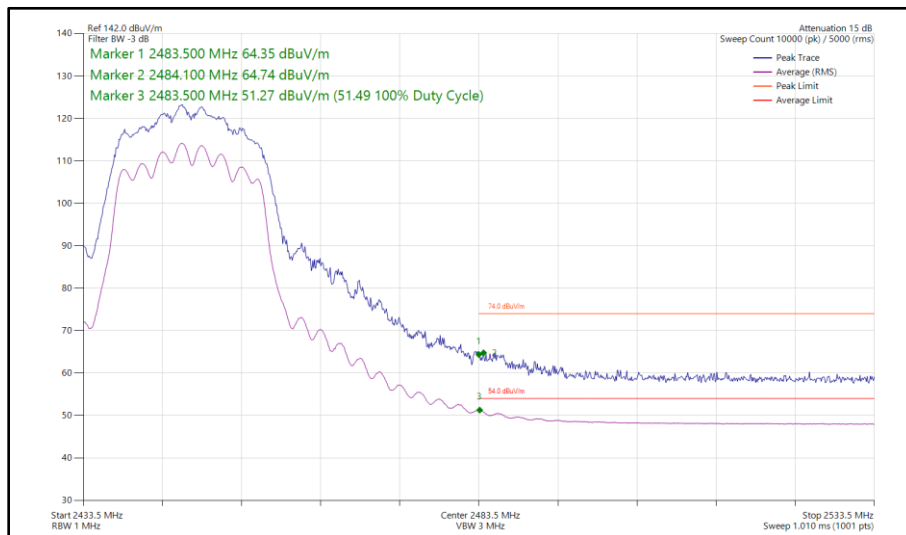
**Figure 113 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2432 MHz
Band Edge Frequency 2390 MHz**



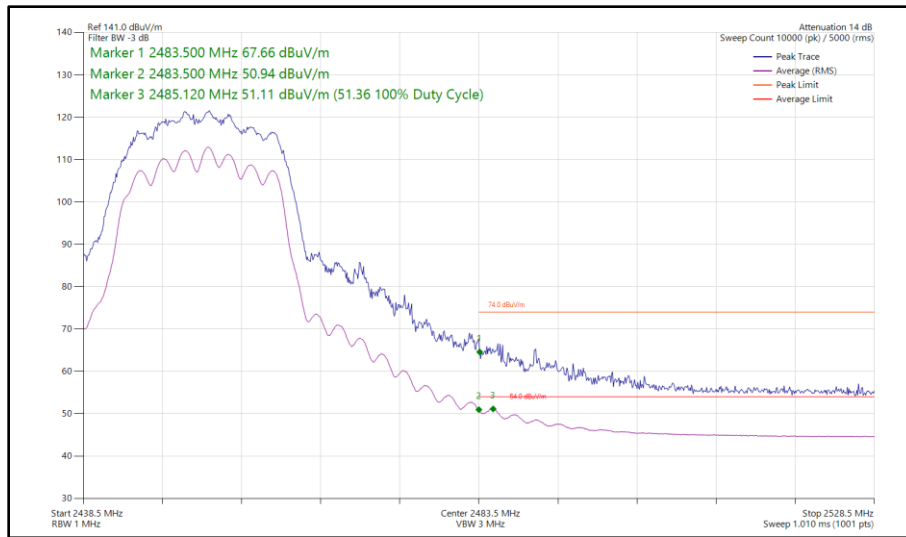
**Figure 114 - 802.11n HT20, CDD, Core 0 - Core 1 - 2437 MHz
Band Edge Frequency 2483.5 MHz**



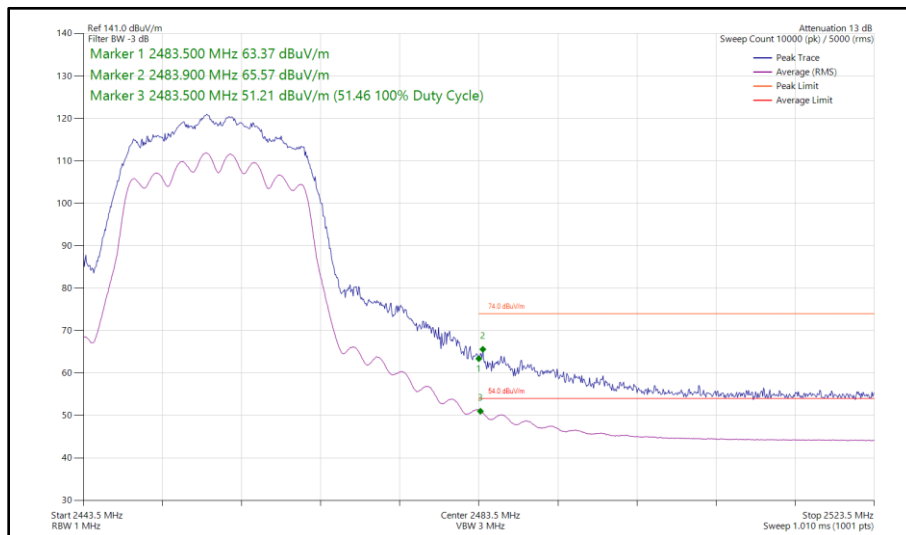
**Figure 115 - 802.11n HT20, CDD, Core 0 - Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz**



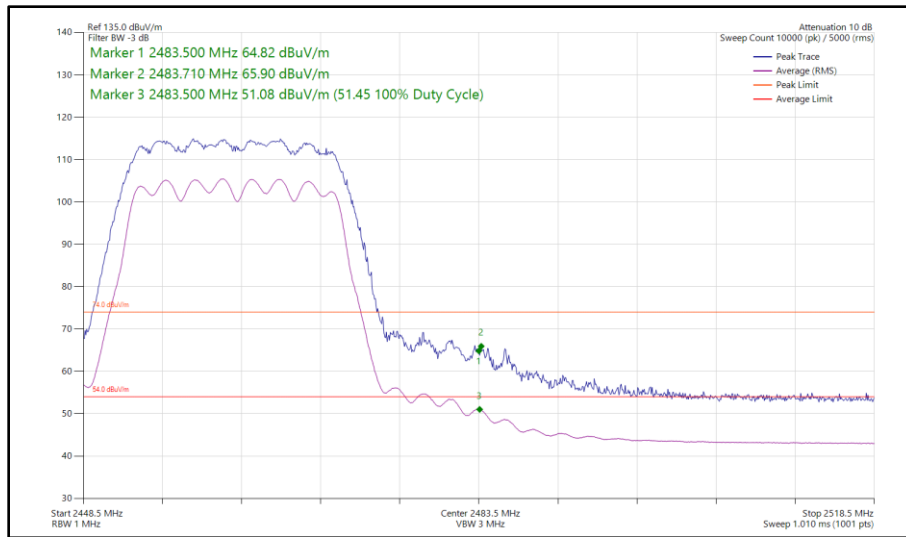
**Figure 116 - 802.11n HT20, CDD, Core 0 - Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**



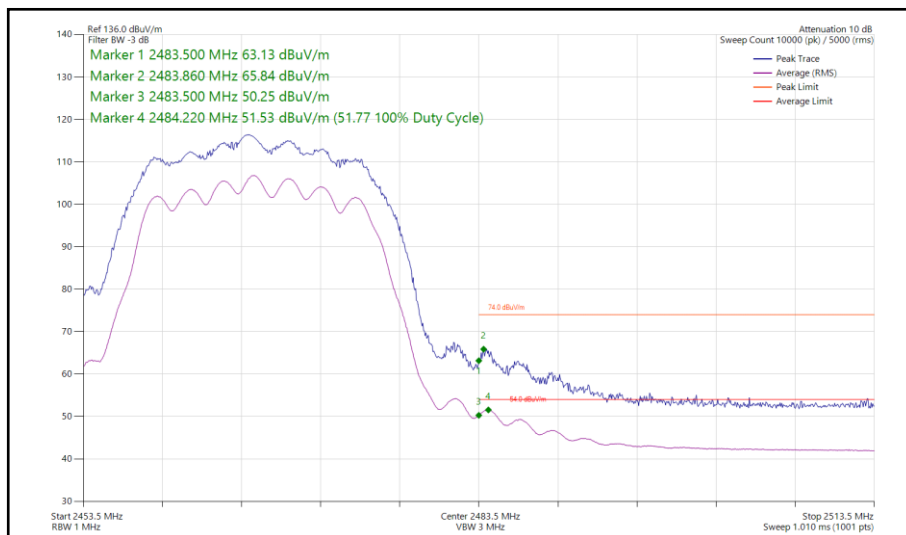
**Figure 117 - 802.11n HT20, CDD, Core 0 - Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



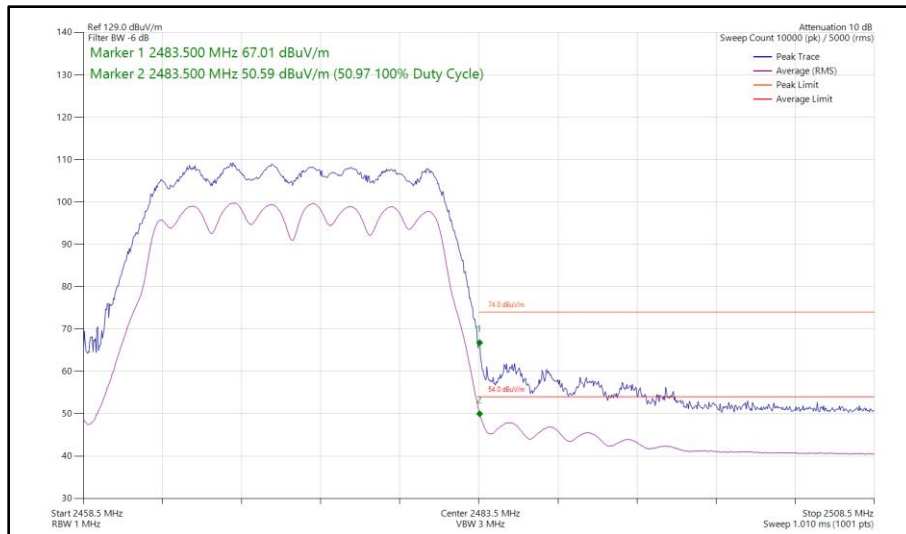
**Figure 118 - 802.11n HT20, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



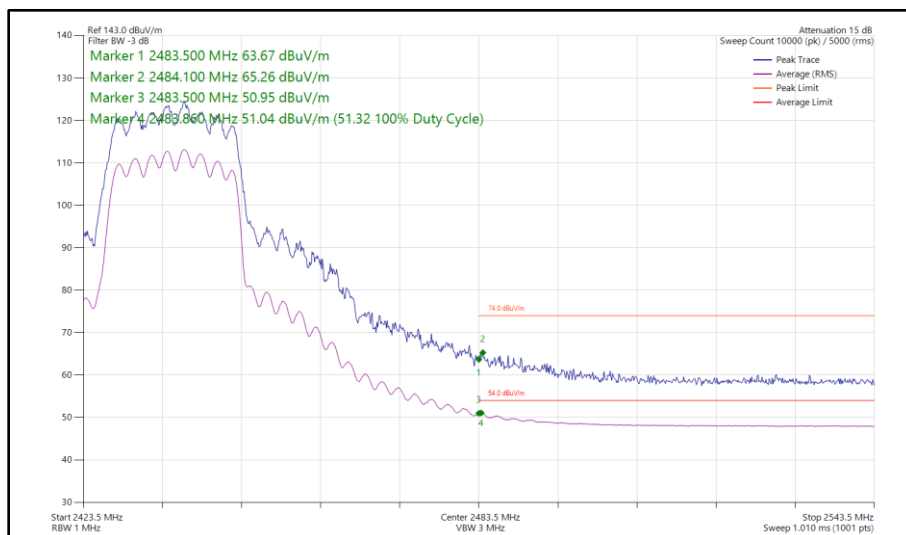
**Figure 119 - 802.11n HT20, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



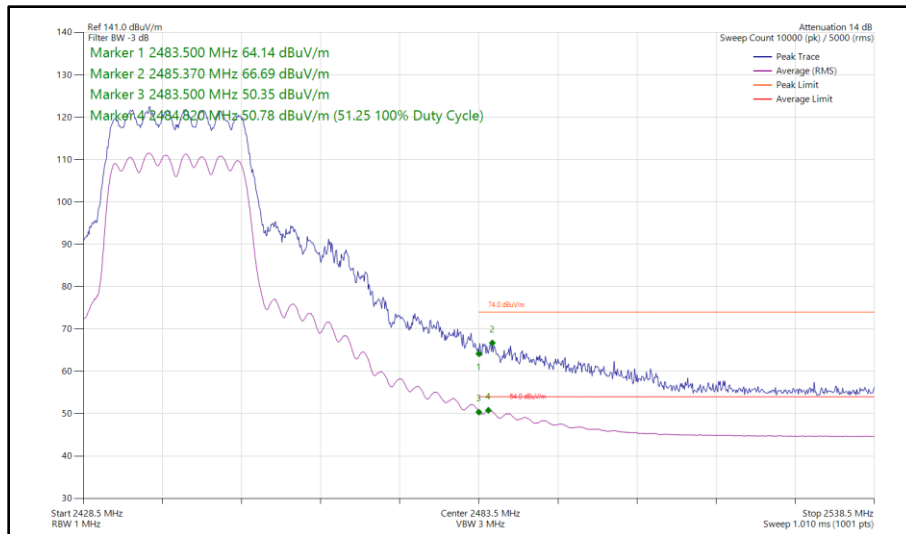
**Figure 120 - 802.11n HT20, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



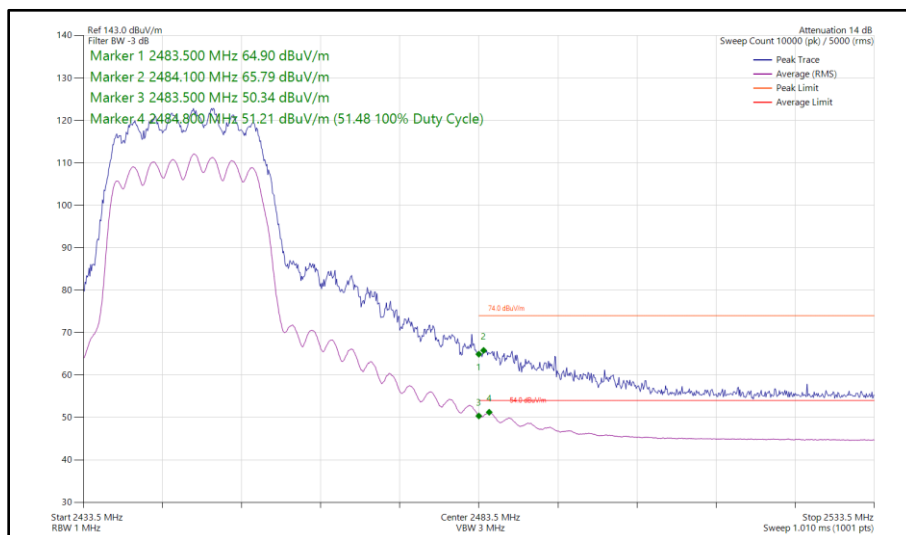
**Figure 121 - 802.11n HT20, CDD, Core 0 - Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 122 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2437 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 123 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 124 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**

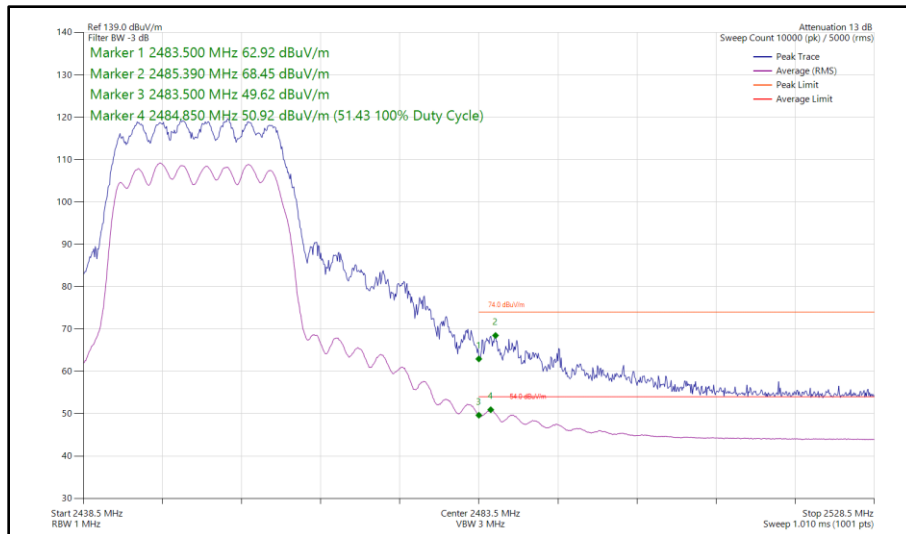


Figure 125 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz

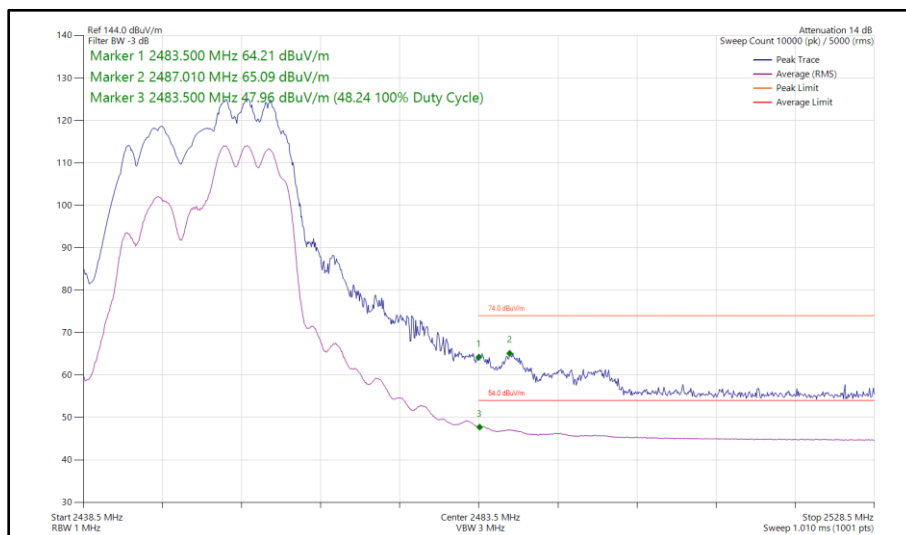
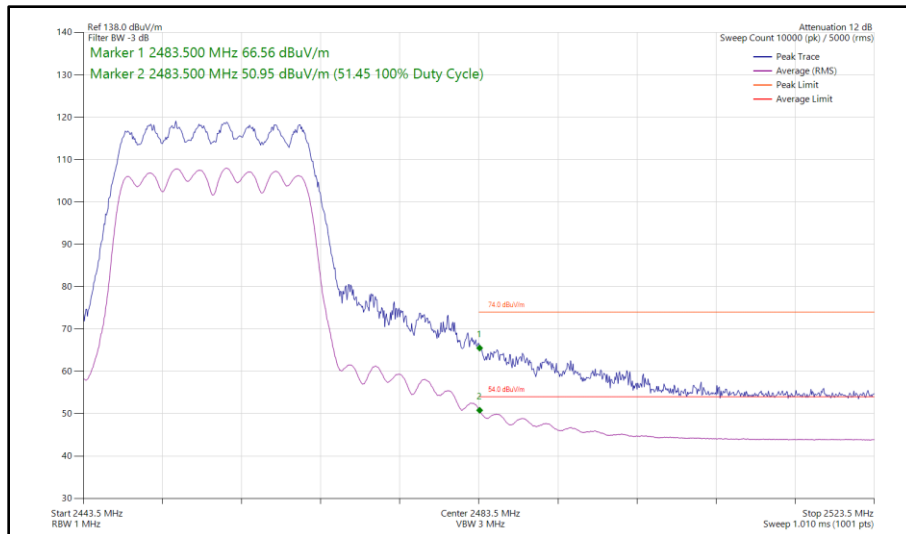
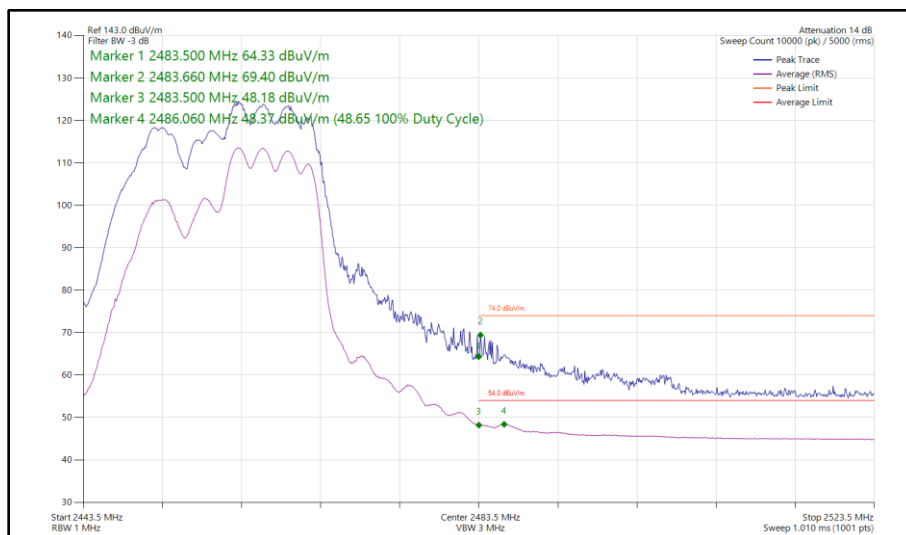


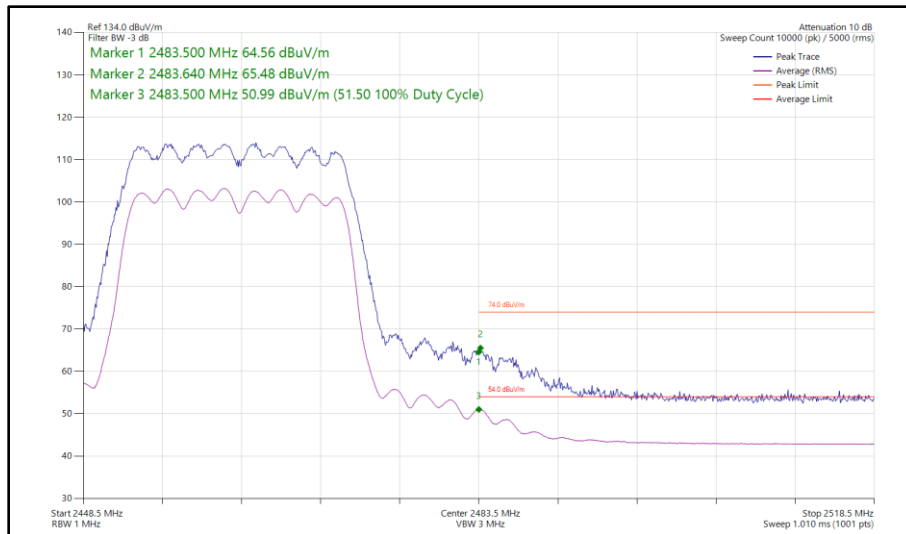
Figure 126 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz



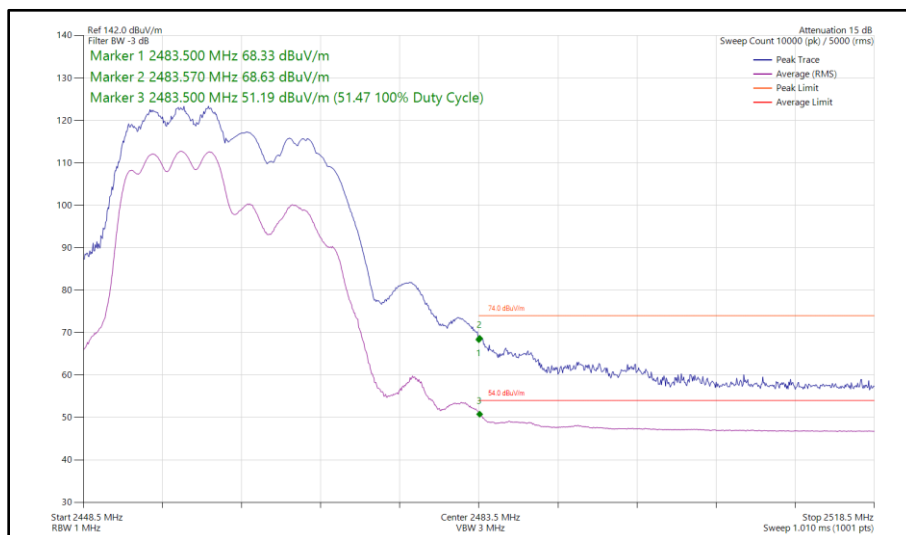
**Figure 127 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



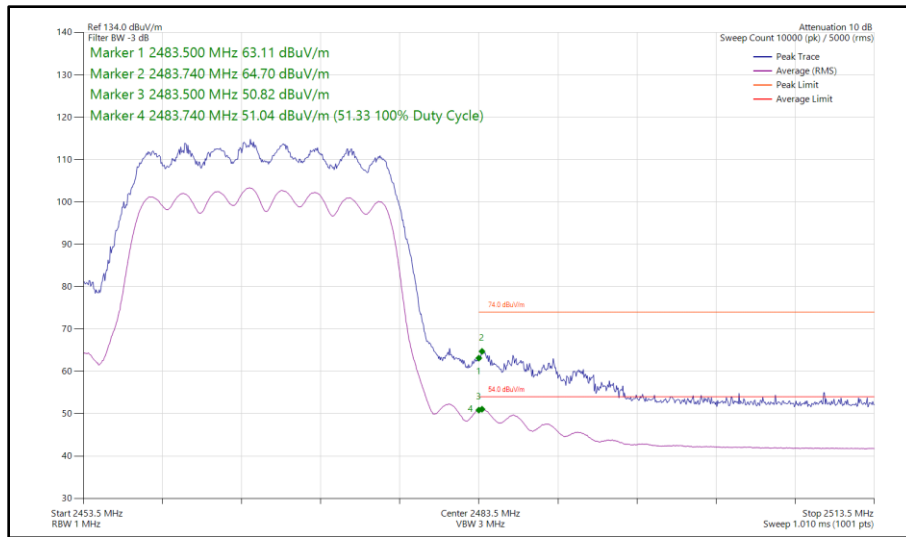
**Figure 128 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



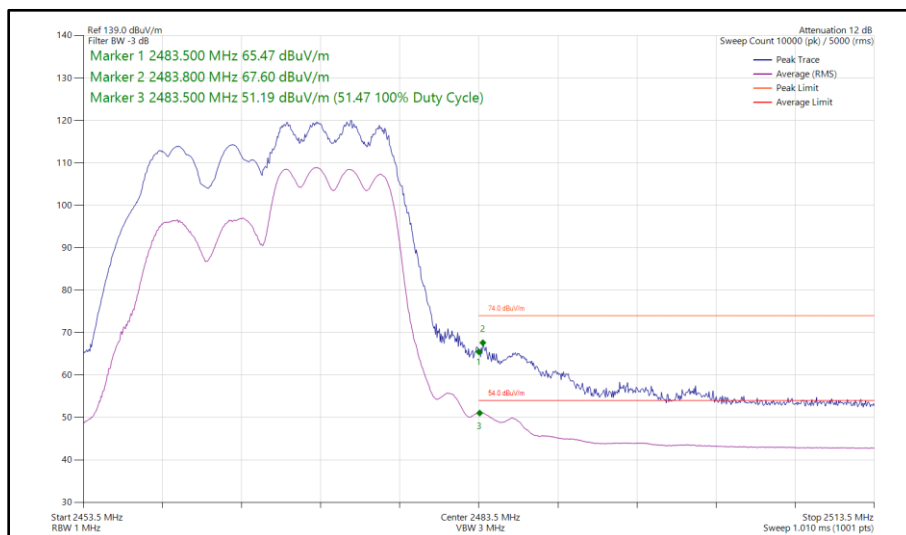
**Figure 129 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



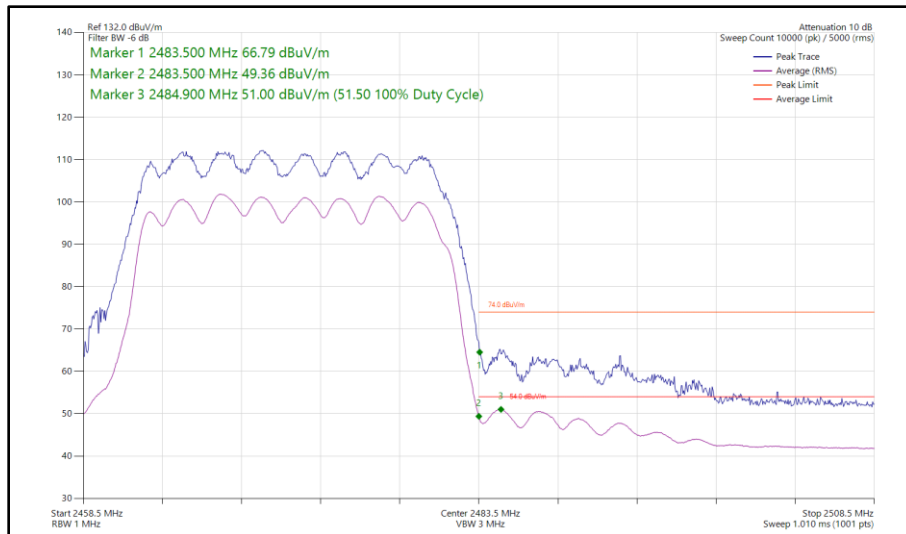
**Figure 130 - 802.11ax HE20, RU 106-53, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



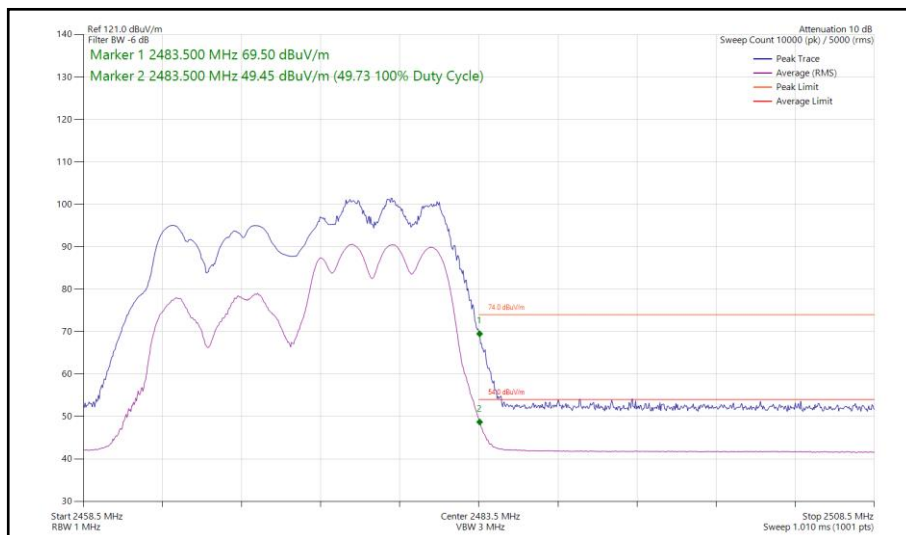
**Figure 131 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 132 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 133 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 134 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



FCC 47 CFR Part 15, Limit Clause 15.209

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

Table 10

ISED RSS-GEN, Limit Clause 8.9

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960*	500

Table 11

*Unless otherwise specified, for all frequencies greater than 1 GHz, the radiated emission limits for licence-exempt radio apparatus stated in applicable RSSs (including RSS-Gen) are based on measurements using a linear average detector function having a minimum resolution bandwidth of 1 MHz. If an average limit is specified for the EUT, then the peak emission shall also be measured with instrumentation properly adjusted for such factors as pulse desensitization to ensure the peak emission is less than 20 dB above the average limit.



2.1.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 16 and RF Chamber 17.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Emissions Software	TUV SUD	EmX V3.2.0	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5379	12	12-Dec-2024
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	O/P Mon
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	24-May-2025
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5973	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5974	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5975	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6008	12	20-May-2025
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6018	12	05-Jun-2024*
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6018	12	10-Jun-2025*
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	05-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	05-May-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	11-Dec-2024
Digital Multimeter	Fluke	115	6146	12	15-Jun-2024
Humidity & Temperature meter	R.S Components	1364	6148	12	21-Jul-2024
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	22-Dec-2024
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	06-Jan-2025
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6315	12	04-Feb-2025
Cable (SMA to SMA 8m)	Junkosha	MWX221-08000AMSAMS/B	6319	12	04-Feb-2025
Horn Antenna	Schwarzbeck	BBHA 9120 B	6457	12	05-May-2025
AC Power Supply	iTech	IT7324	6657	-	O/P Mon
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	28-Jan-2026
Mast and Turntable Controller	Maturo Gmbh	FCU3.0	6659	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6660	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6661	-	TU
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	01-Feb-2025

Table 12

TU - Traceability Unscheduled
 O/P Mon - Output Monitored using calibrated equipment.

*Note: Only used within calibration period.



2.2 Emission Bandwidth

2.2.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (a)(2)
ISED RSS-247, Clause 5.2
ISED RSS-GEN, Clause 6.7

2.2.2 Equipment Under Test and Modification State

A3112, S/N: DQHQ6Q99MH - Modification State 0

2.2.3 Date of Test

08-July-2024

2.2.4 Test Method

This test was performed in accordance with ANSI C63.10, clause 11.8.1 for 6 dB BW and 6.9.3 for 99% occupied bandwidth measurements.

2.2.5 Environmental Conditions

Ambient Temperature	22.0 °C
Relative Humidity	53.6 %



2.2.6 Test Results

2.4 GHz WLAN

SISO

Protocol	6 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11b	8.640	9.120
802.11g	15.480	16.440
802.11n HT20	15.300	17.700
802.11ax HE20 SU	18.780	18.960

Table 13 - 6 dB Bandwidth Summary Results - SISO

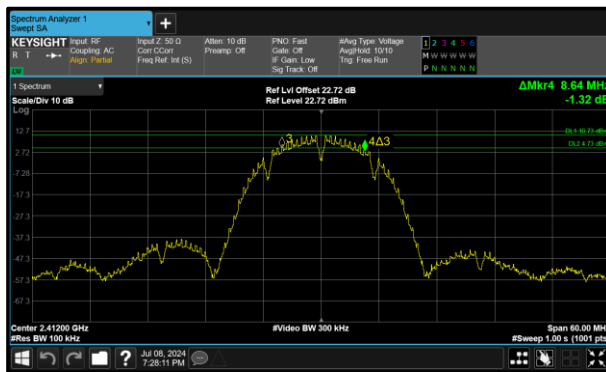


Figure 135 - 802.11b Minimum 6 dB EBW

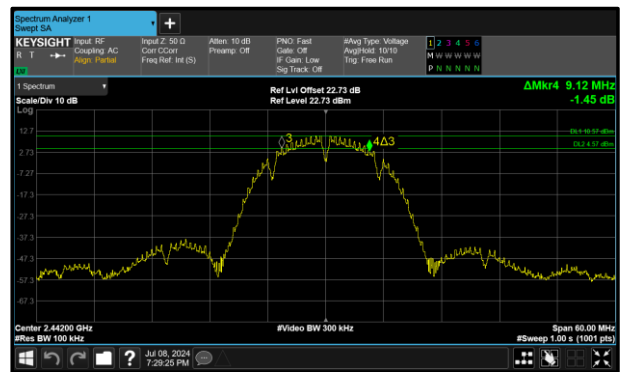


Figure 136 - 802.11b Maximum 6 dB EBW

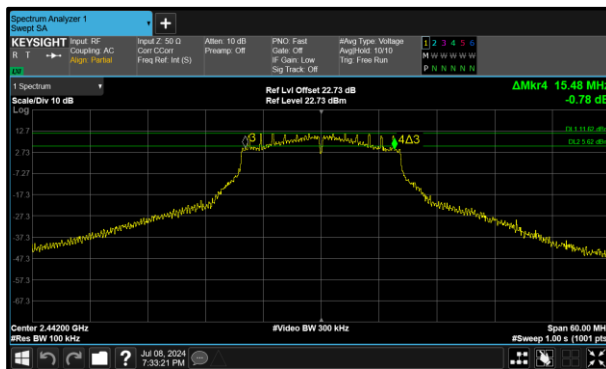


Figure 137 - 802.11g Minimum 6 dB EBW

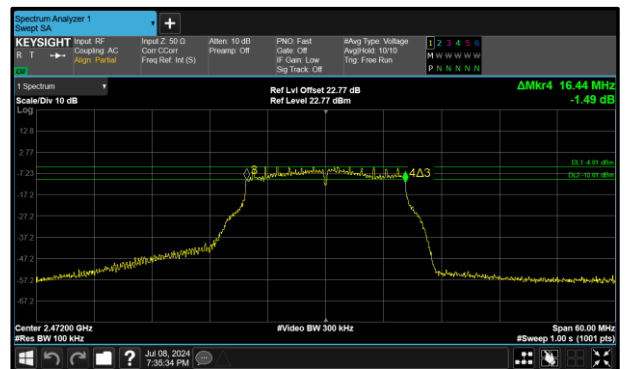


Figure 138 - 802.11g Maximum 6 dB EBW

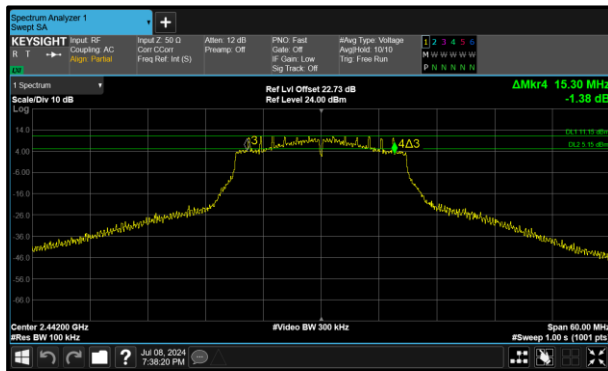


Figure 139 - 802.11n HT20 Minimum 6 dB EBW

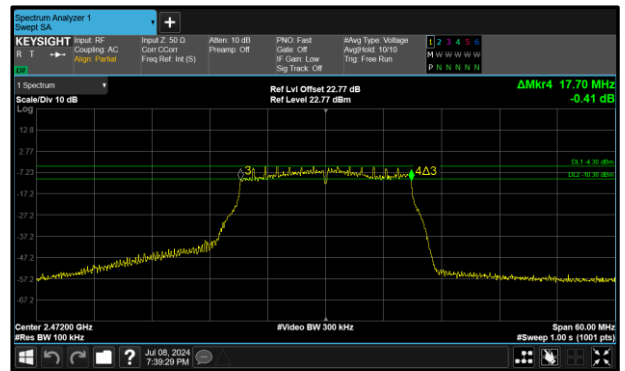


Figure 140 - 802.11n HT20 Maximum 6 dB EBW

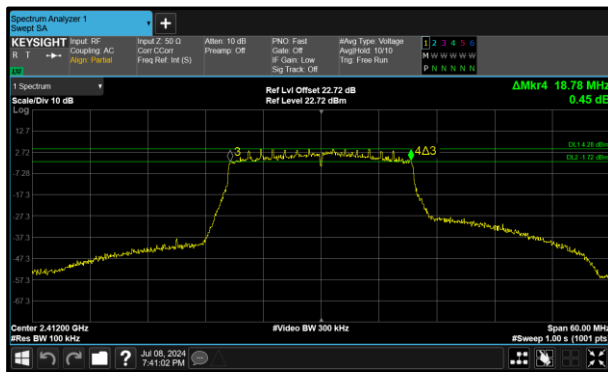


Figure 141 - 802.11ax HE20 SU Minimum 6 dB EBW

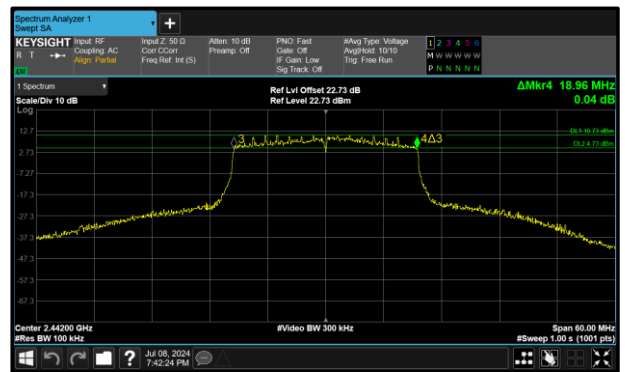


Figure 142 - 802.11ax HE20 SU Maximum 6 dB EBW



Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11b	12.900	13.020
802.11g	16.380	16.620
802.11n HT20	17.580	17.760
802.11ax HE20 SU	18.960	18.960

Table 14 - 99% Bandwidth Summary Results - SISO

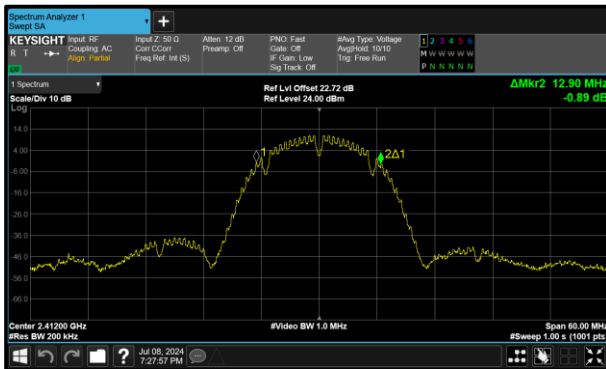


Figure 143 - 802.11b Minimum 99% OBW

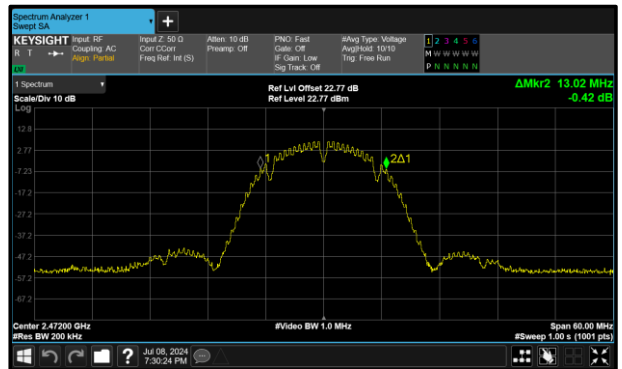


Figure 144 - 802.11b Maximum 99% OBW

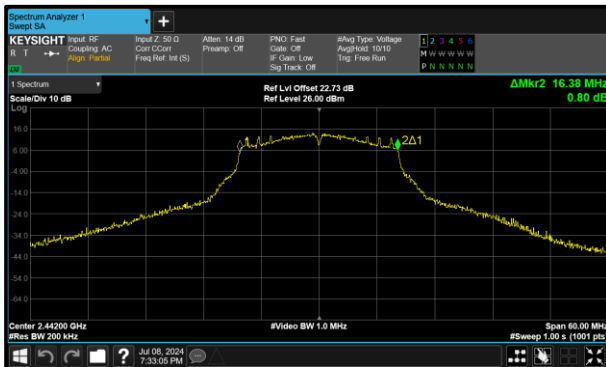


Figure 145 - 802.11g Minimum 99% OBW

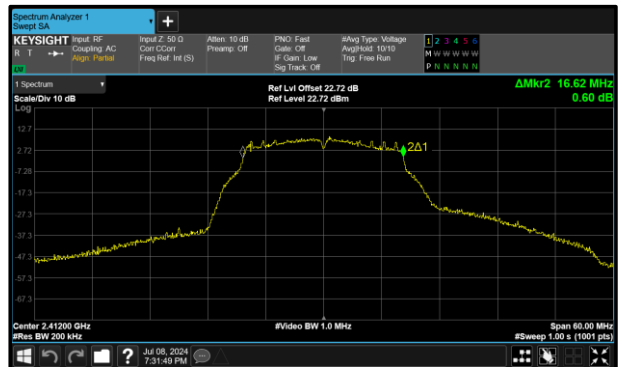


Figure 146 - 802.11g Maximum 99% OBW

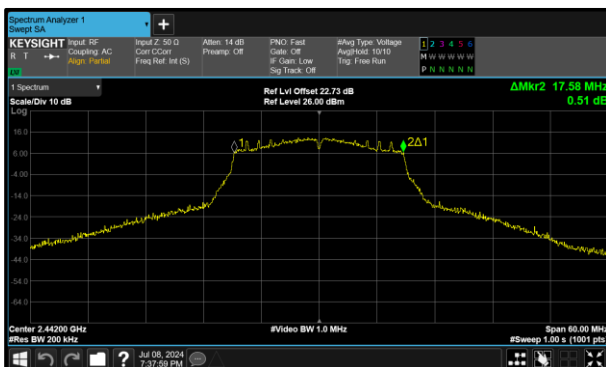


Figure 147 - 802.11n HT20 Minimum 99% OBW

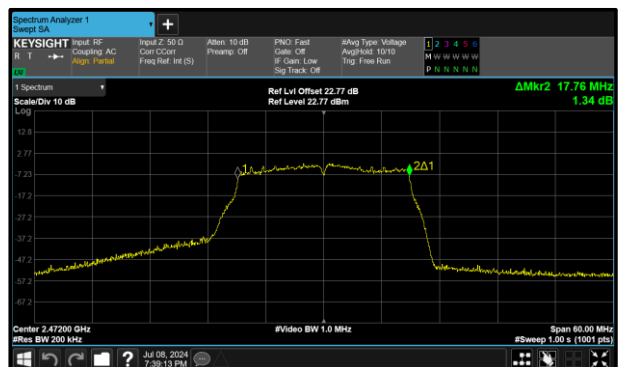


Figure 148 - 802.11n HT20 Maximum 99% OBW

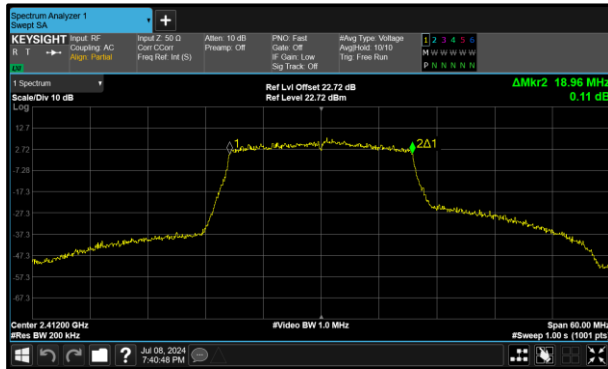


Figure 149 - 802.11ax HE20 SU Minimum 99% OBW

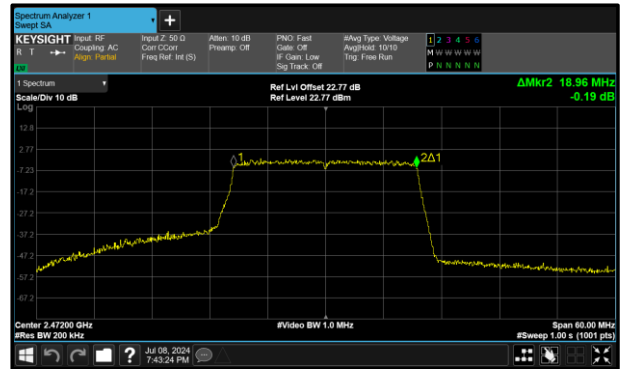


Figure 150 - 802.11ax HE20 SU Maximum 99% OBW