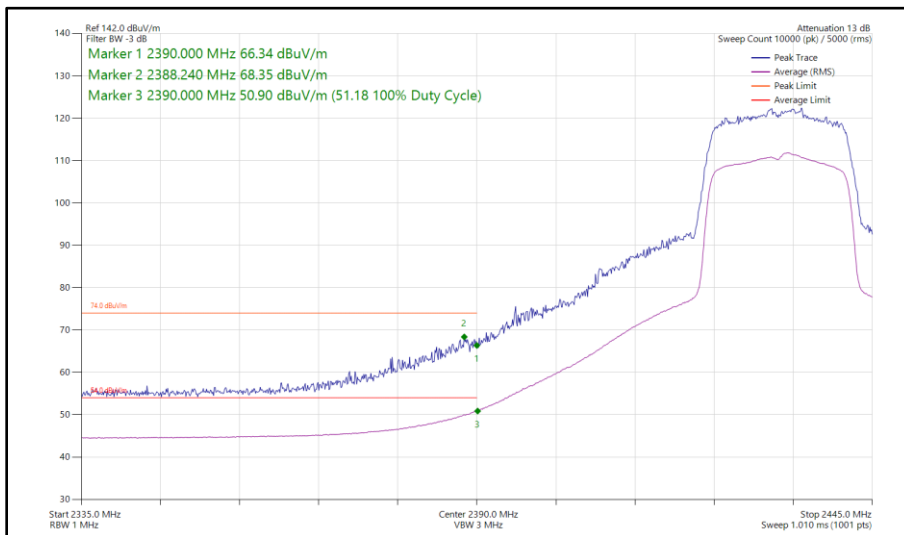


**Figure 65 - 802.11ax HE20, SU, SISO, Core 1 - 2427 MHz
Band Edge Frequency 2390 MHz**



**Figure 66 - 802.11ax HE20, SU, SISO, Core 1 - 2432 MHz
Band Edge Frequency 2390 MHz**

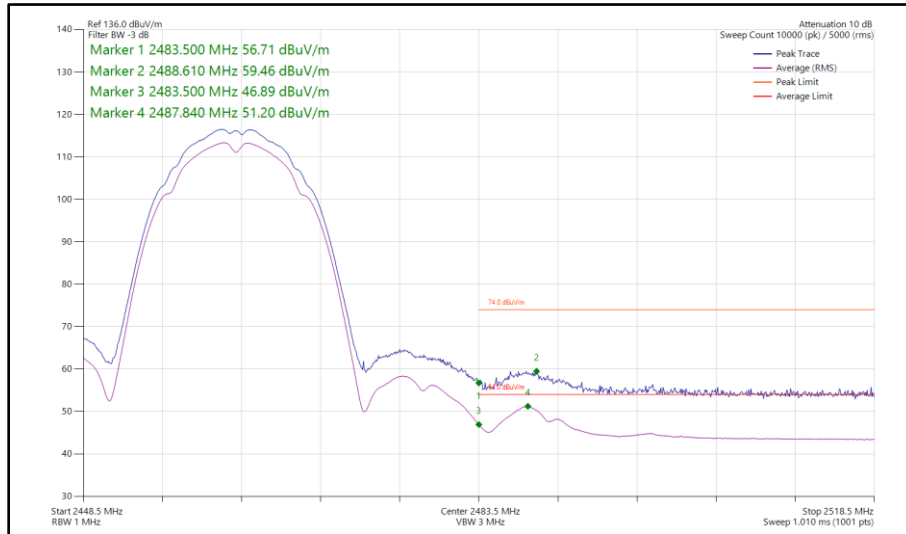


Figure 67 - 802.11b, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz

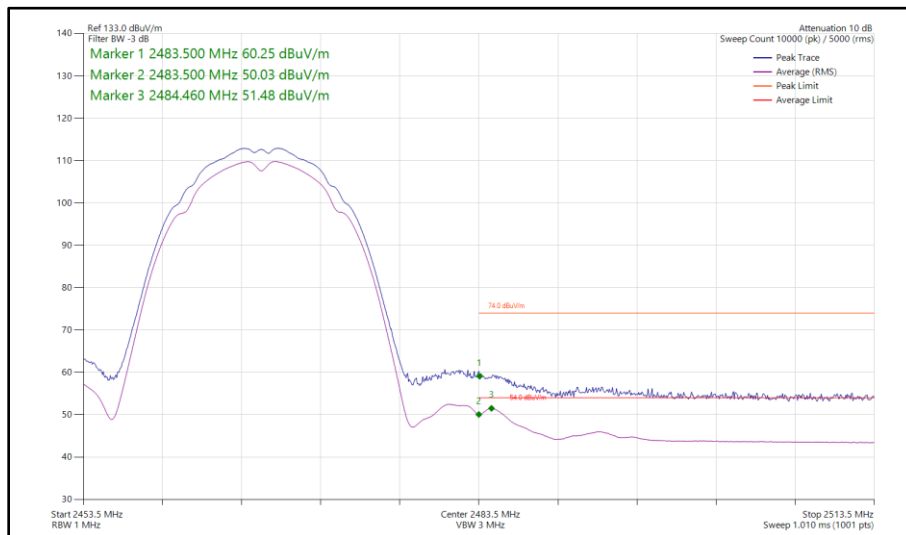
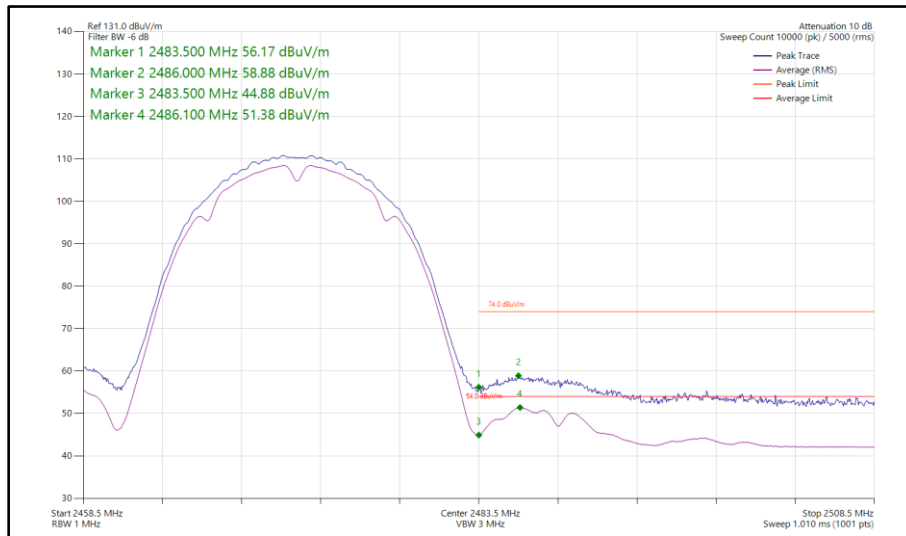
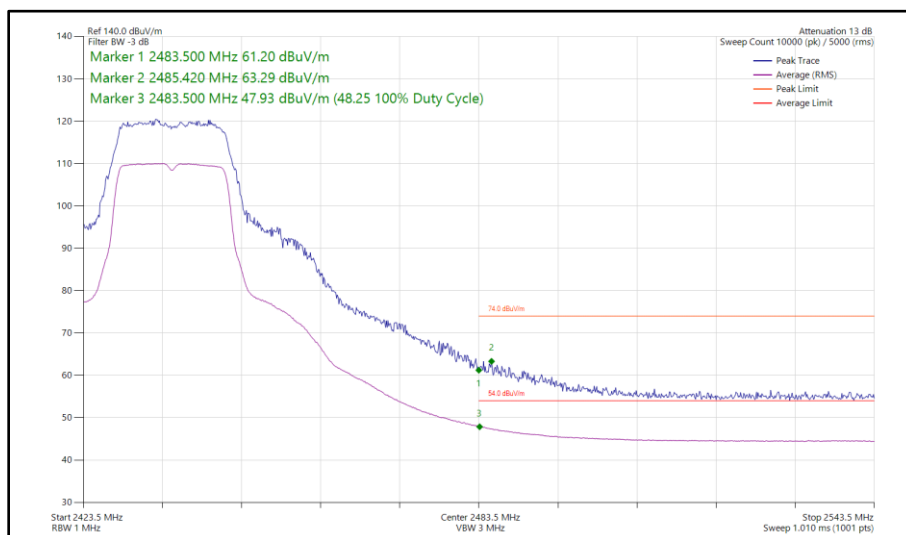


Figure 68 - 802.11b, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz



**Figure 69 - 802.11b, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 70 - 802.11g, SISO, Core 1 - 2437 MHz
Band Edge Frequency 2483.5 MHz**

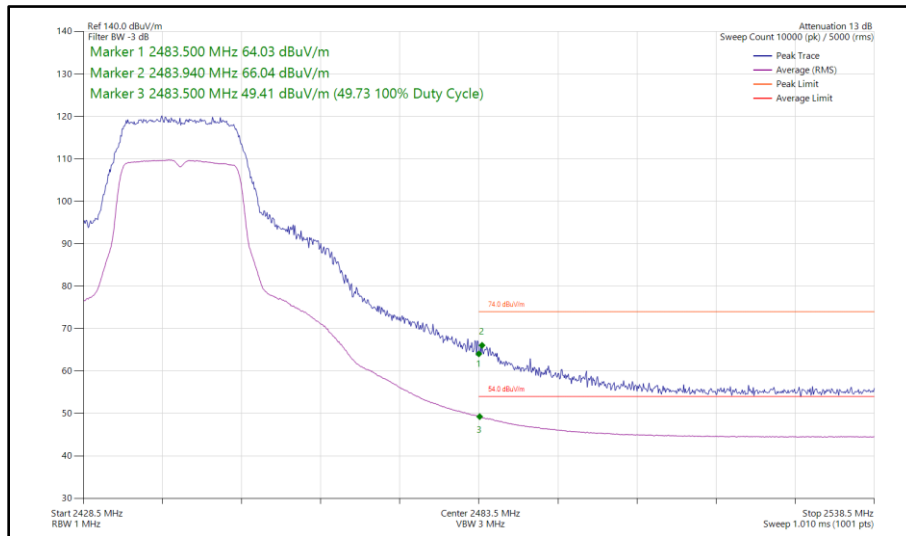


Figure 71 - 802.11g, SISO, Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz

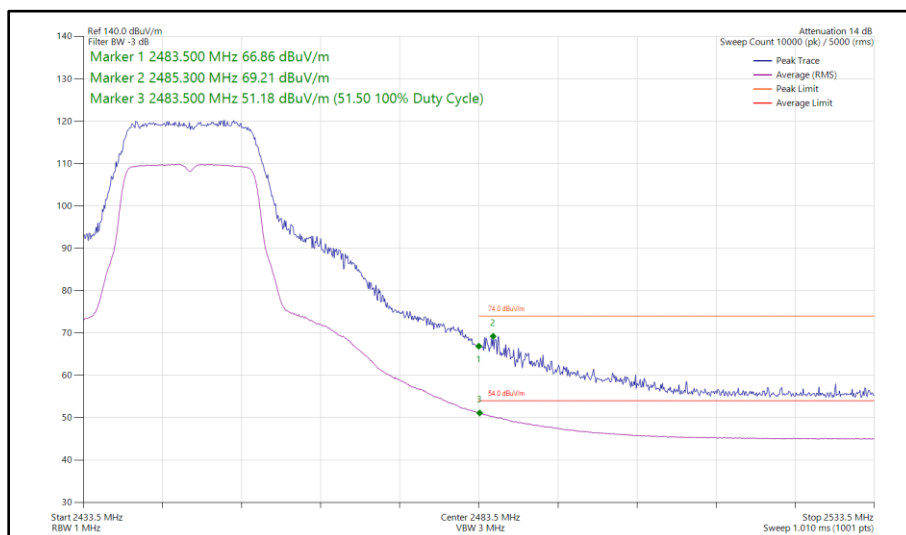


Figure 72 - 802.11g, SISO, Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz

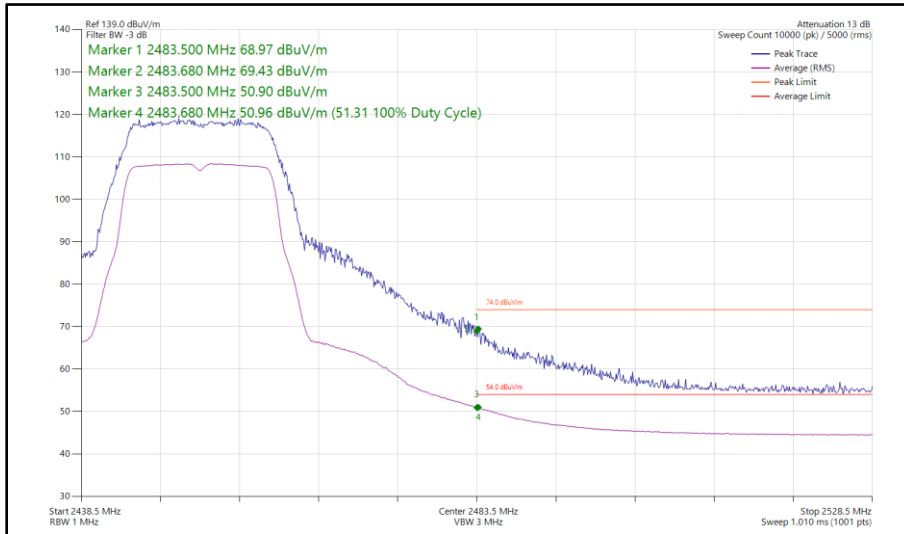


Figure 73 - 802.11g, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz

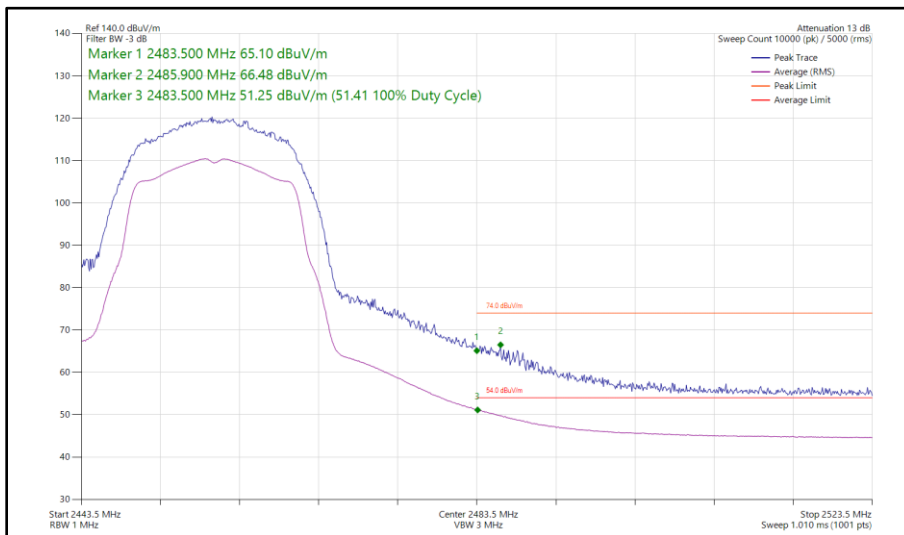


Figure 74 - 802.11g, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz

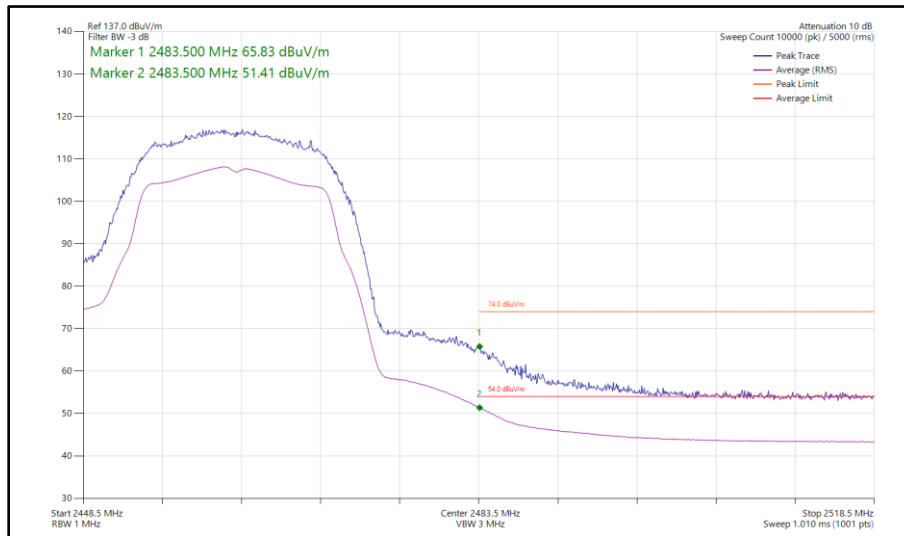


Figure 75 - 802.11g, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz

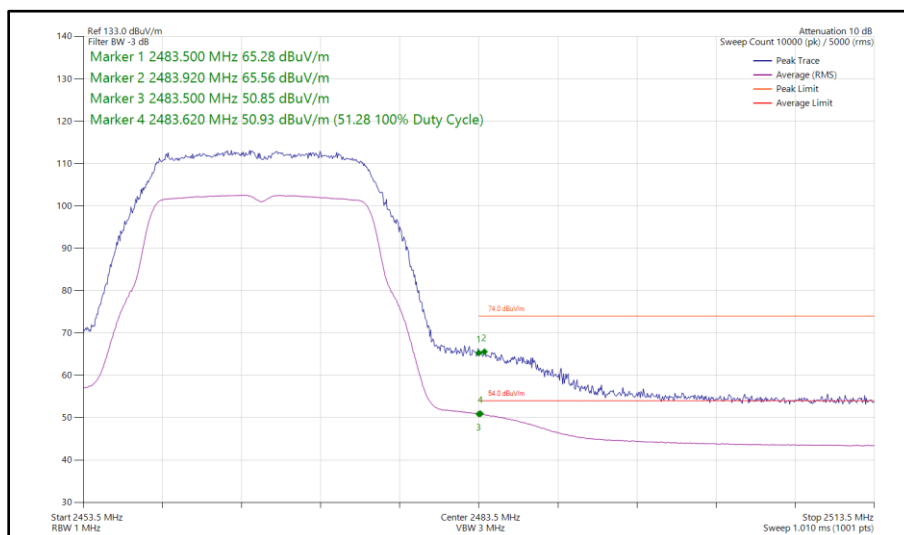


Figure 76 - 802.11g, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz

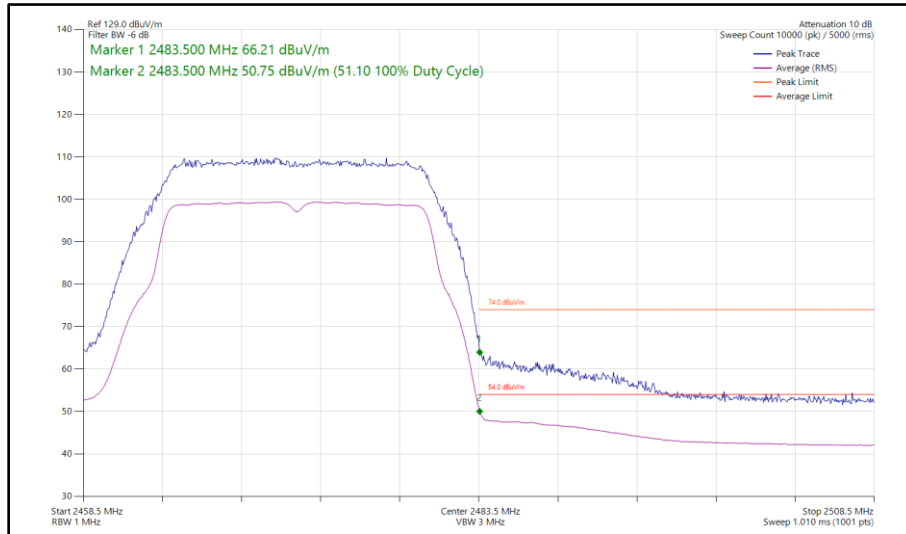


Figure 77 - 802.11g, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz

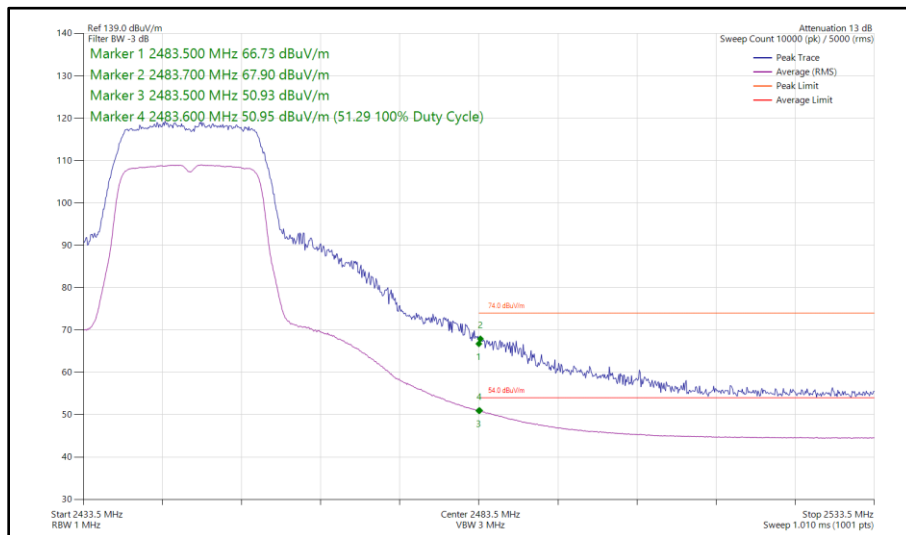


Figure 78 - 802.11n HT20, SISO, Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz

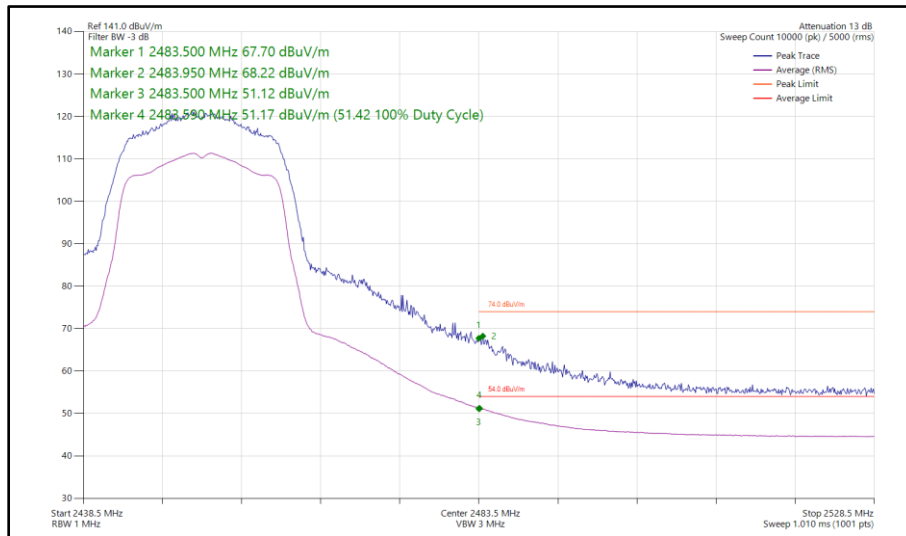


Figure 79 - 802.11n HT20, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz

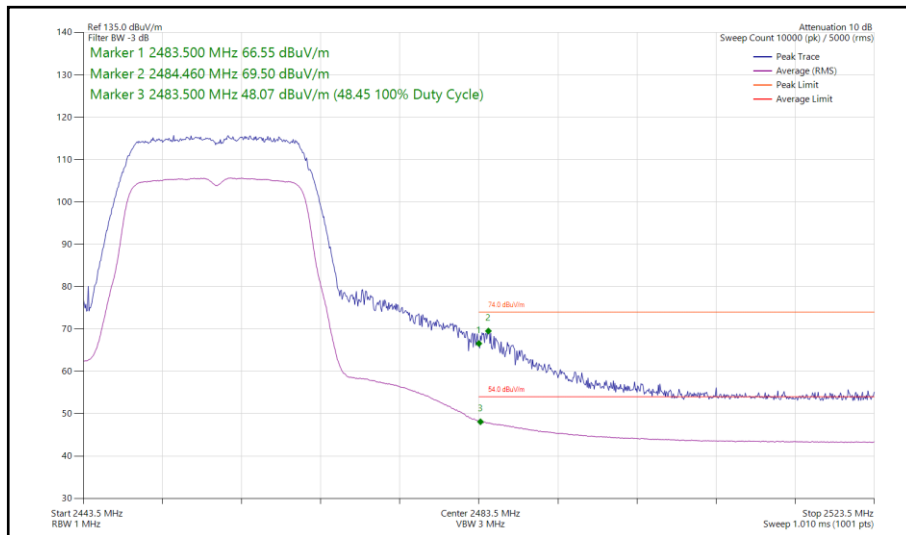
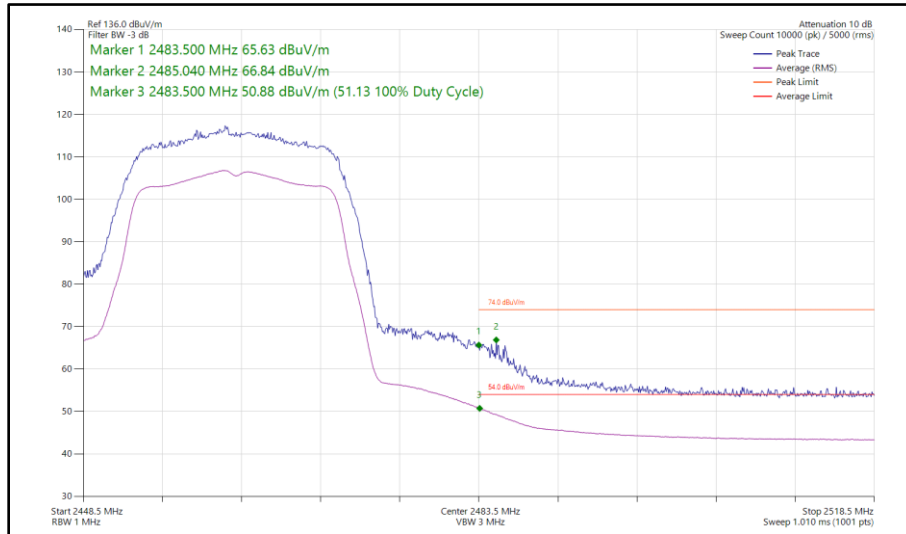
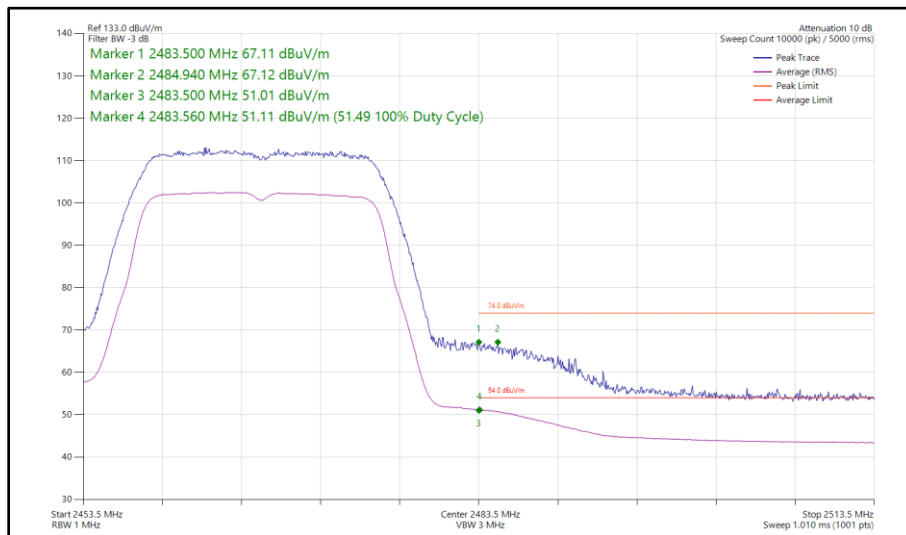


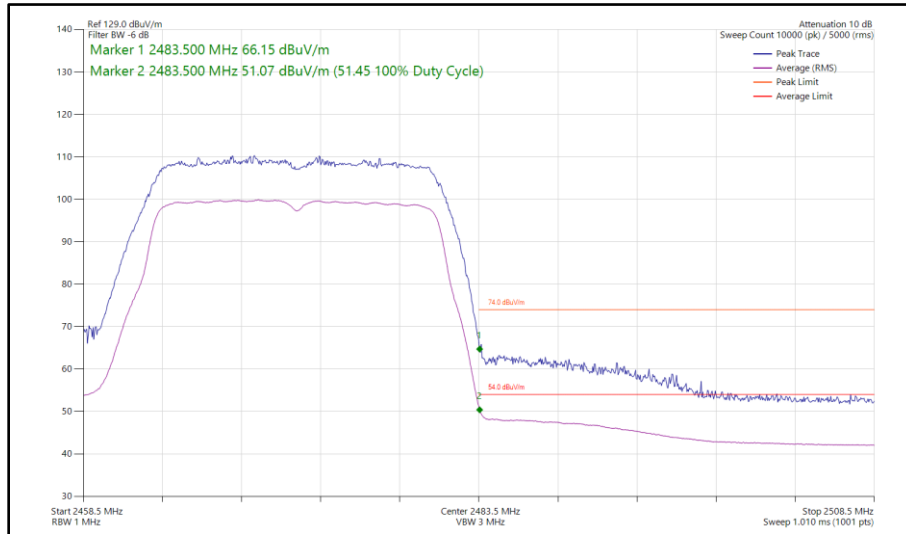
Figure 80 - 802.11n HT20, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz



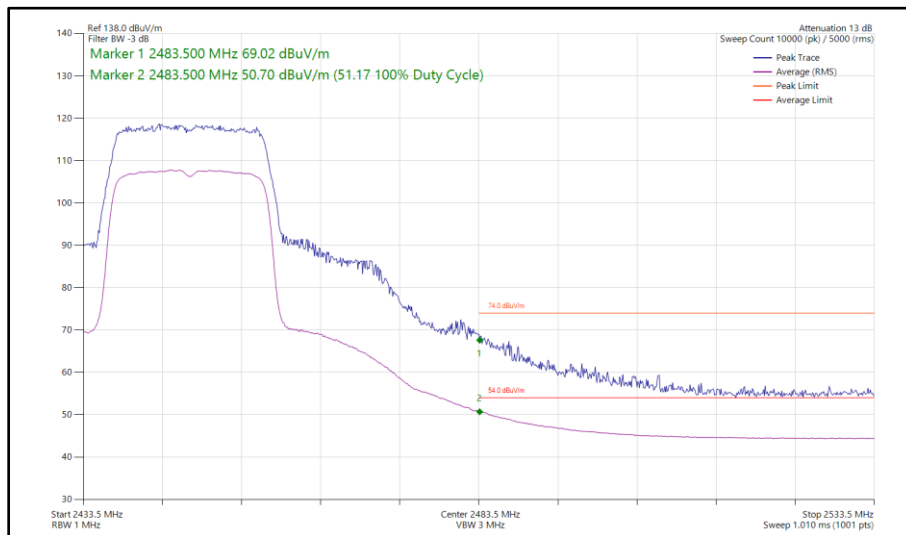
**Figure 81 - 802.11n HT20, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



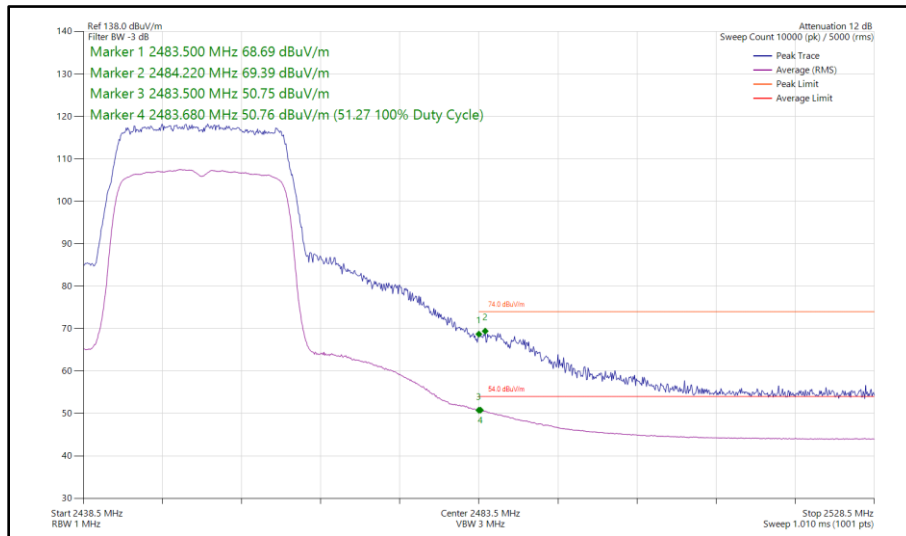
**Figure 82 - 802.11n HT20, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



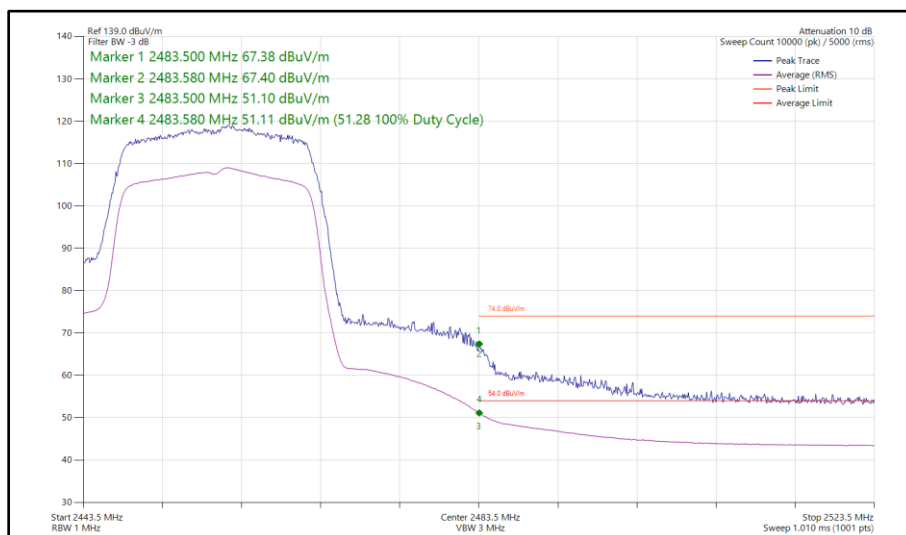
**Figure 83 - 802.11n HT20, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 84 - 802.11ax HE20, SU, SISO, Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 85 - 802.11ax HE20, SU, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 86 - 802.11ax HE20, SU, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**

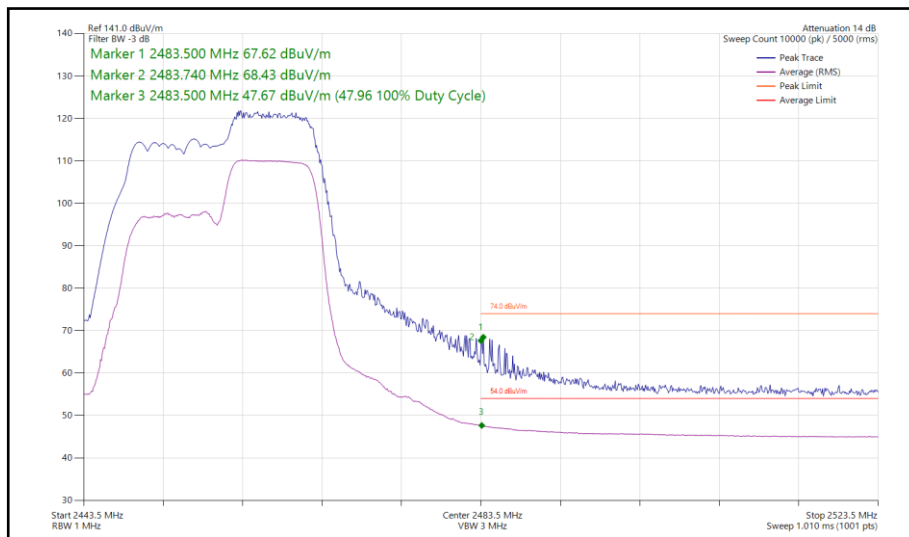


Figure 87 - 802.11ax HE20, RU 106-54, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz

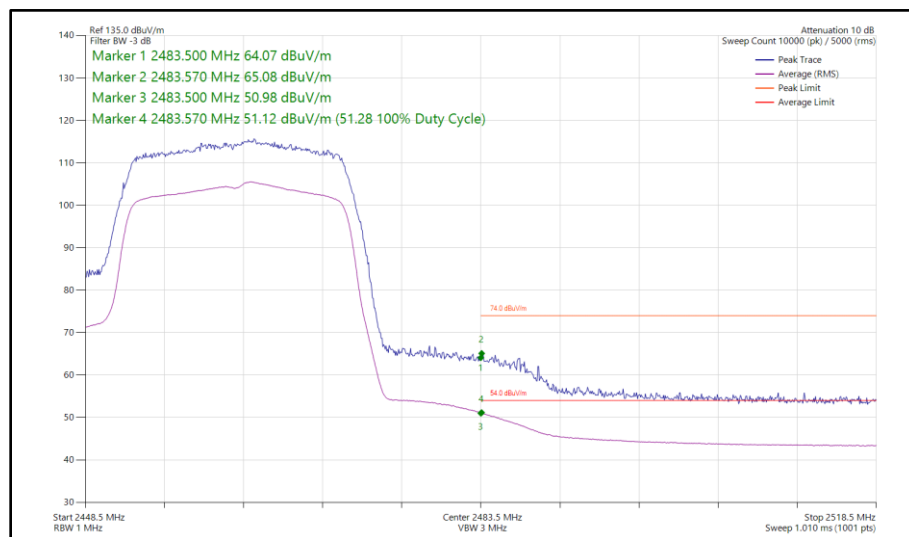
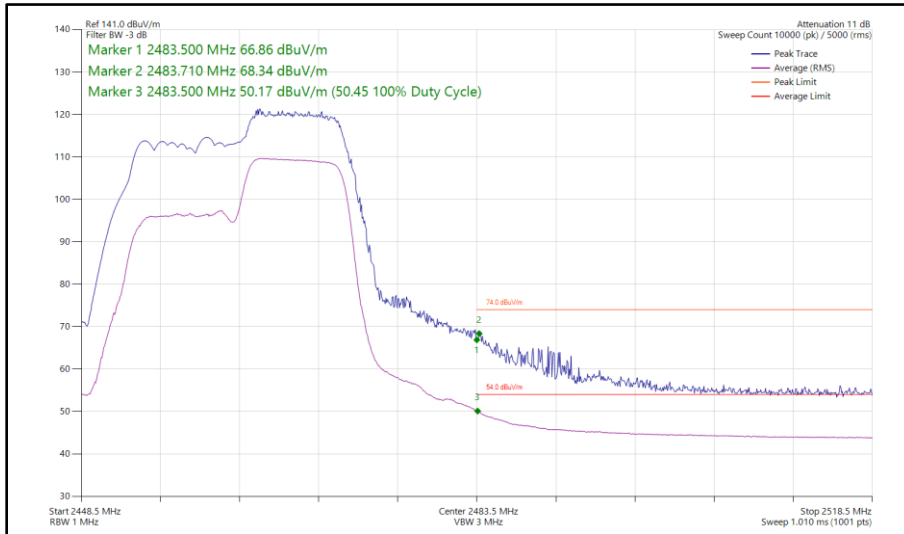
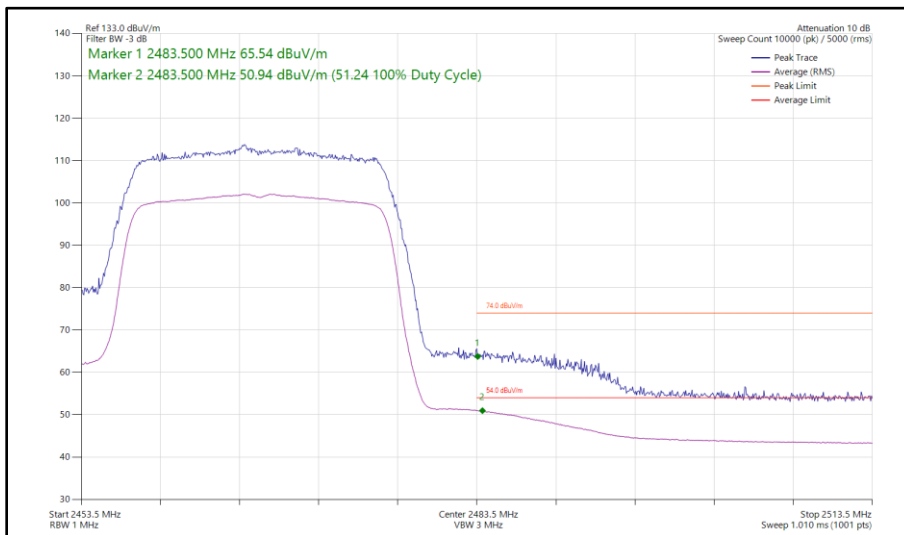


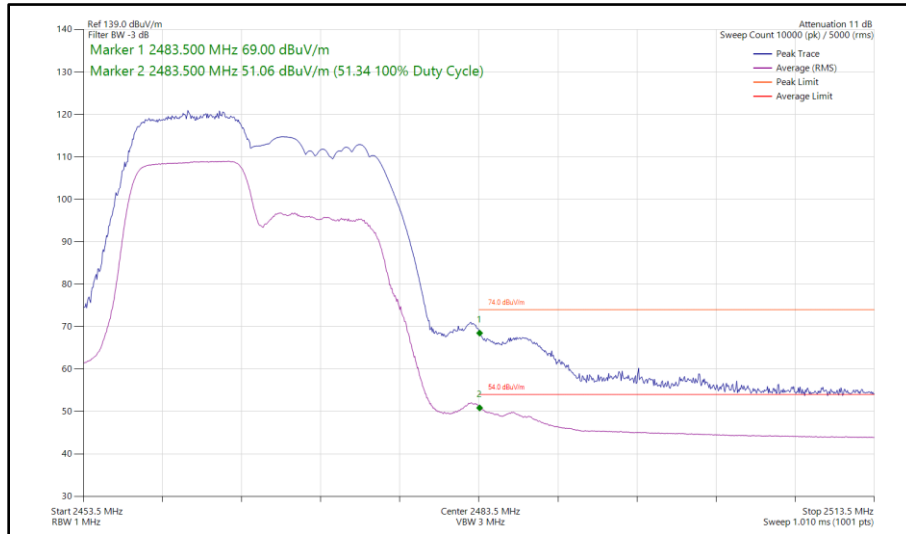
Figure 88 - 802.11ax HE20, SU, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz



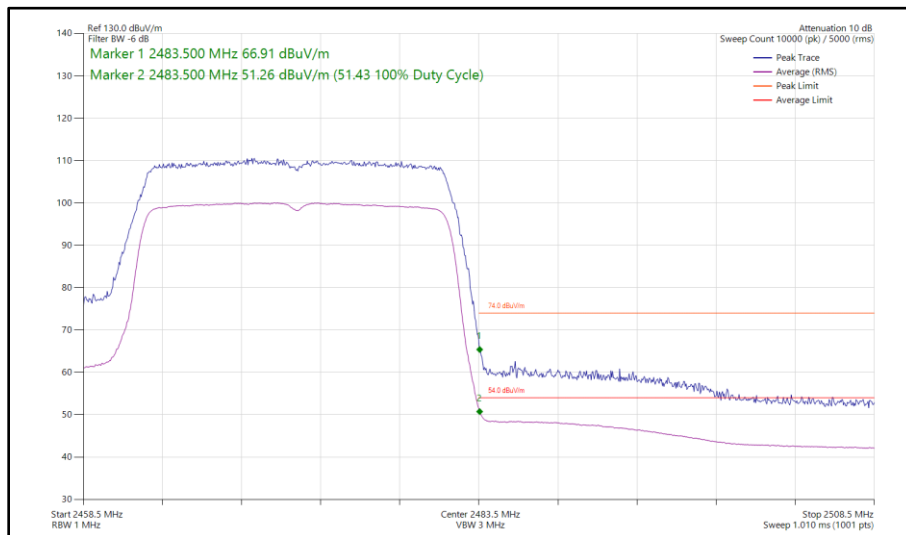
**Figure 89 - 802.11ax HE20, RU 106-54, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



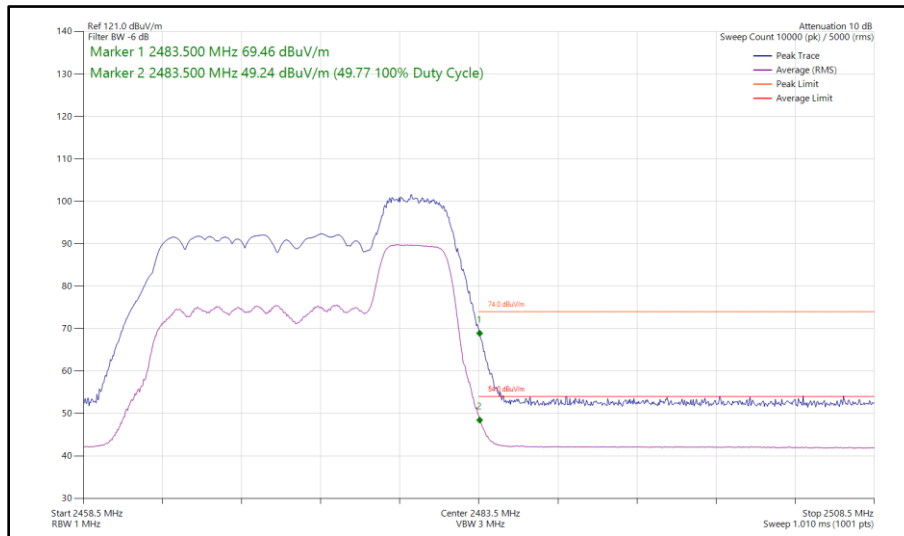
**Figure 90 - 802.11ax HE20, SU, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 91 - 802.11ax HE20, RU 106-53, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 92 - 802.11ax HE20, SU, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 93 - 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 2	-	-	2412	2390	64.65	51.41
802.11n HT20	MCS 4	-	-	2417	2390	65.80	51.37
802.11n HT20	MCS 4	-	-	2422	2390	65.37	51.48
802.11n HT20	MCS 2	-	-	2427	2390	65.00	51.26
802.11n HT20	MCS 2	-	-	2432	2390	65.25	51.41
802.11ax HE20	MCS 9x1	SU	-	2412	2390	65.24	51.43
802.11ax HE20	MCS 9x1	106	53	2412	2390	68.28	51.40
802.11ax HE20	MCS 2x1	SU	-	2417	2390	64.72	51.42
802.11ax HE20	MCS 9x1	106	53	2417	2390	68.20	51.18
802.11ax HE20	MCS 9x1	SU	-	2422	2390	67.89	51.38
802.11ax HE20	MCS 9x1	106	53	2422	2390	68.29	50.89
802.11ax HE20	MCS 2x1	SU	-	2427	2390	67.79	51.47
802.11ax HE20	MCS 9x1	SU	-	2432	2390	66.36	51.38
802.11n HT20	MCS 7	-	-	2437	2483.5	64.88	51.04
802.11n HT20	MCS 7	-	-	2442	2483.5	65.57	50.96
802.11n HT20	MCS 7	-	-	2447	2483.5	66.15	51.47
802.11n HT20	MCS 2	-	-	2452	2483.5	64.42	51.50
802.11n HT20	MCS 4	-	-	2457	2483.5	64.28	51.34
802.11n HT20	MCS 4	-	-	2462	2483.5	66.04	51.33
802.11n HT20	MCS 4	-	-	2467	2483.5	64.86	51.35
802.11n HT20	MCS 4	-	-	2472	2483.5	64.70	51.33
802.11ax HE20	MCS 4x1	SU	-	2437	2483.5	65.43	51.47
802.11ax HE20	MCS 4x1	SU	-	2442	2483.5	64.89	51.40
802.11ax HE20	MCS 2x1	SU	-	2447	2483.5	64.93	51.43
802.11ax HE20	MCS 9x1	SU	-	2452	2483.5	67.24	51.45
802.11ax HE20	MCS 2x1	SU	-	2457	2483.5	66.25	51.37
802.11ax HE20	MCS 9x1	106	54	2457	2483.5	68.63	50.98
802.11ax HE20	MCS 9x1	SU	-	2462	2483.5	65.21	51.24
802.11ax HE20	MCS 9x1	106	54	2462	2483.5	69.04	50.96
802.11ax HE20	MCS 4x1	SU	-	2467	2483.5	64.26	51.46
802.11ax HE20	MCS 9x1	52	37	2467	2483.5	69.33	51.49
802.11ax HE20	MCS 2x1	SU	-	2472	2483.5	67.20	51.35
802.11ax HE20	MCS 9x1	106	54	2472	2483.5	69.50	49.18

Table 9 - CDD Restricted Band Edge Results

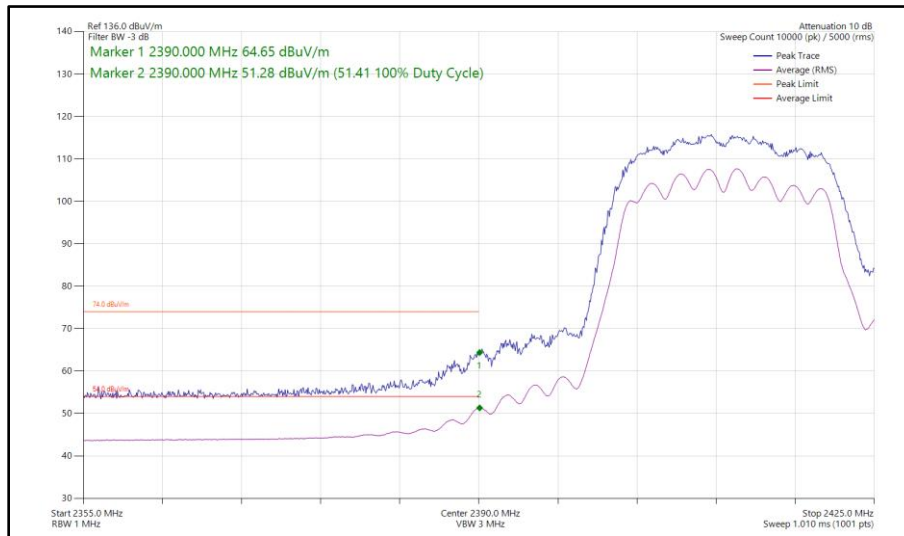


Figure 94 - 802.11n HT20, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz

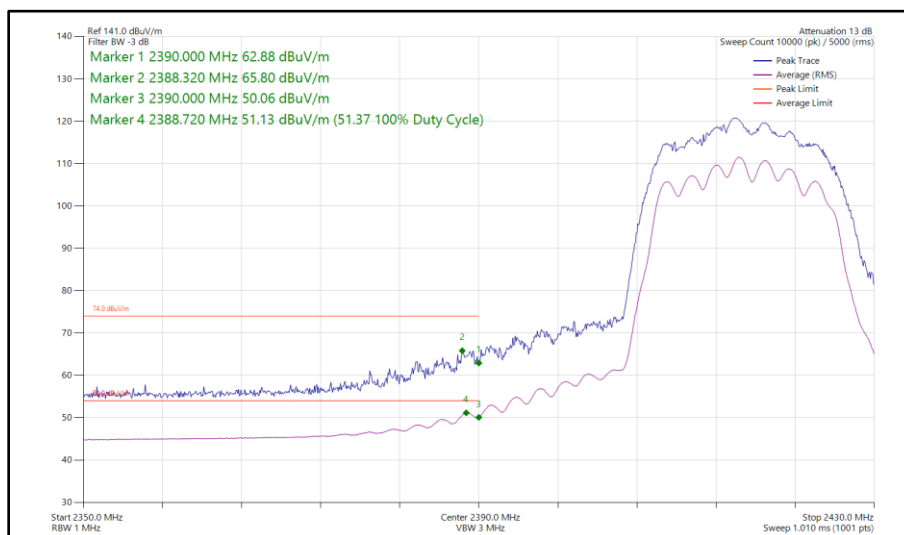


Figure 95 - 802.11n HT20, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz

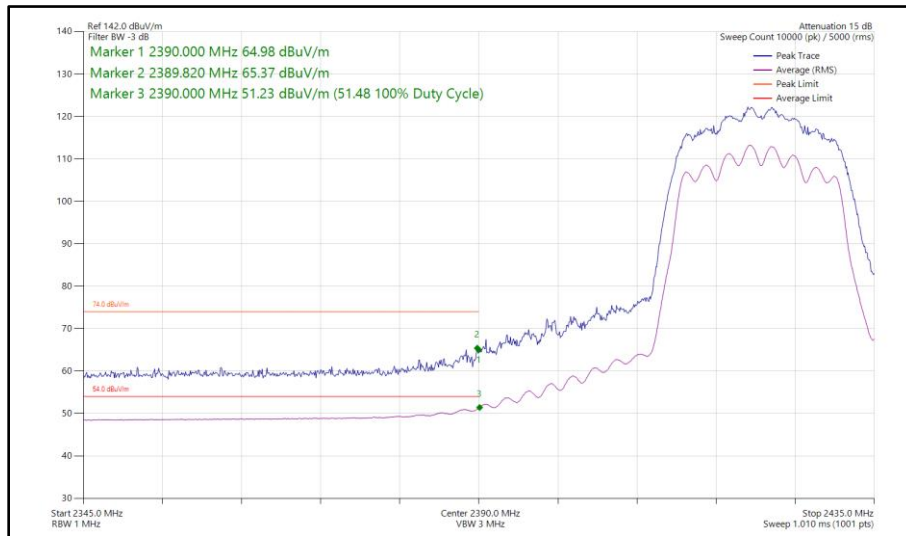


Figure 96 - 802.11n HT20, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz

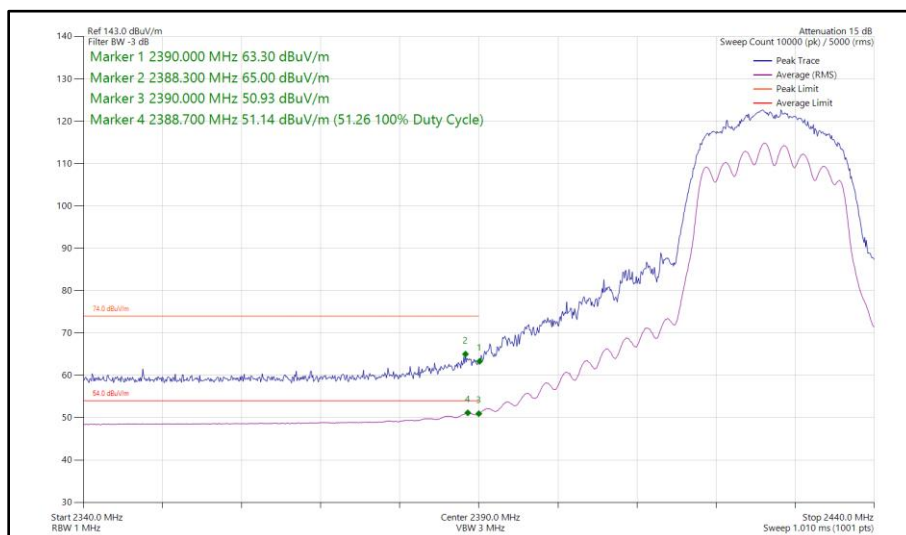
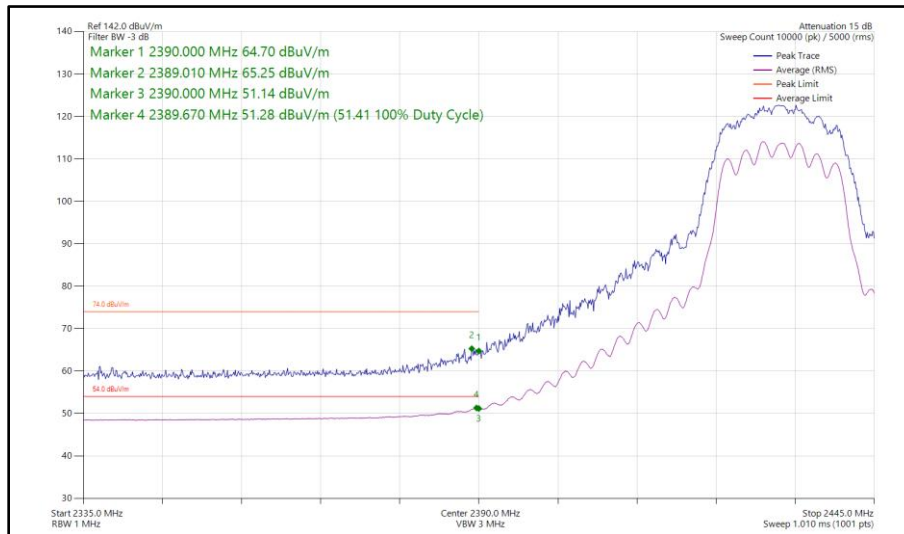
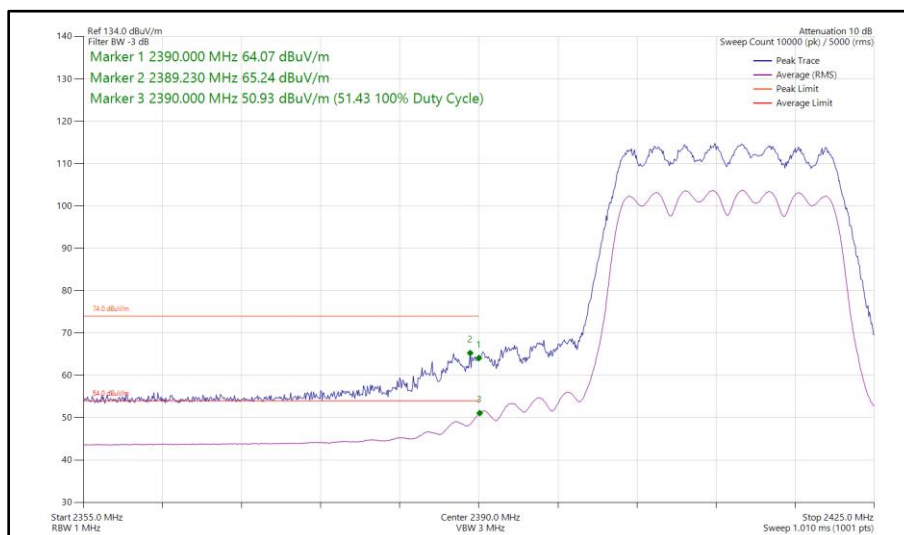


Figure 97 - 802.11n HT20, CDD, Core 0 - Core 1 - 2427 MHz
Band Edge Frequency 2390 MHz



**Figure 98 - 802.11n HT20, CDD, Core 0 - Core 1 - 2432 MHz
Band Edge Frequency 2390 MHz**



**Figure 99 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz**

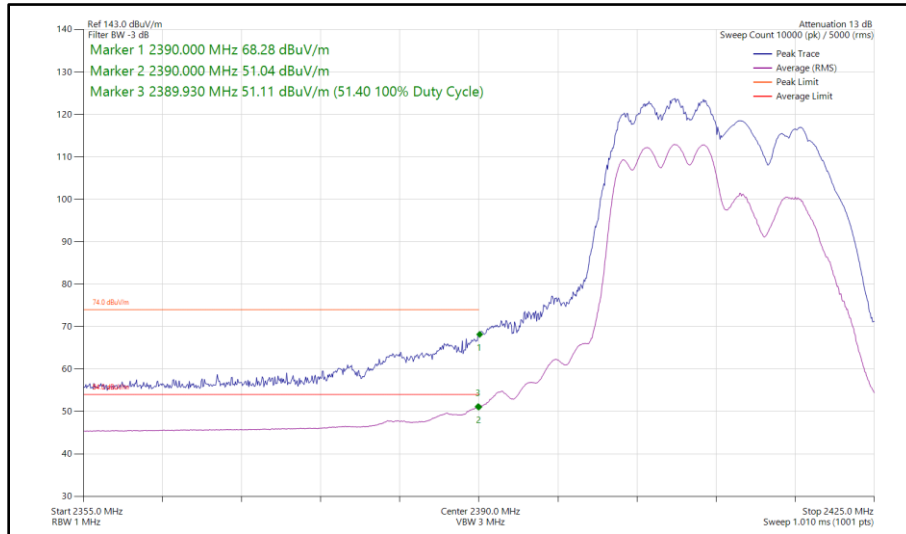


Figure 100 - 802.11ax HE20, RU 106-53, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz

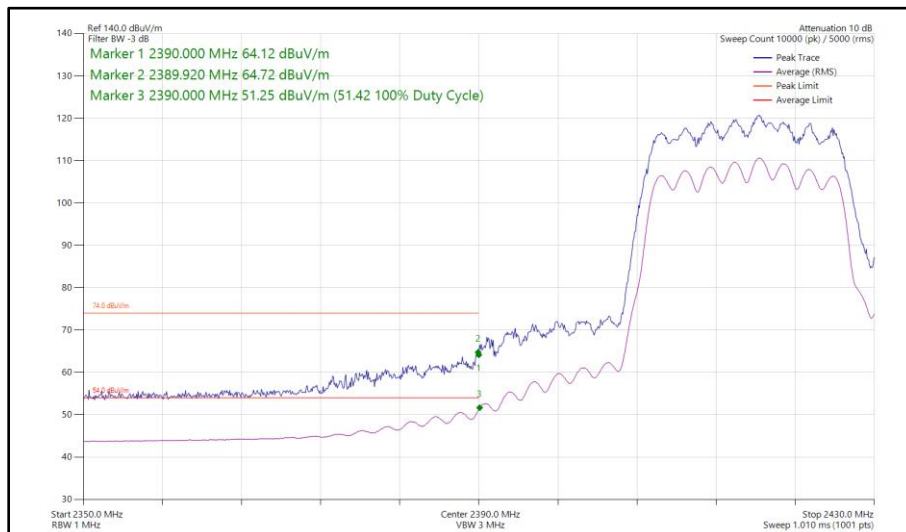


Figure 101 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz

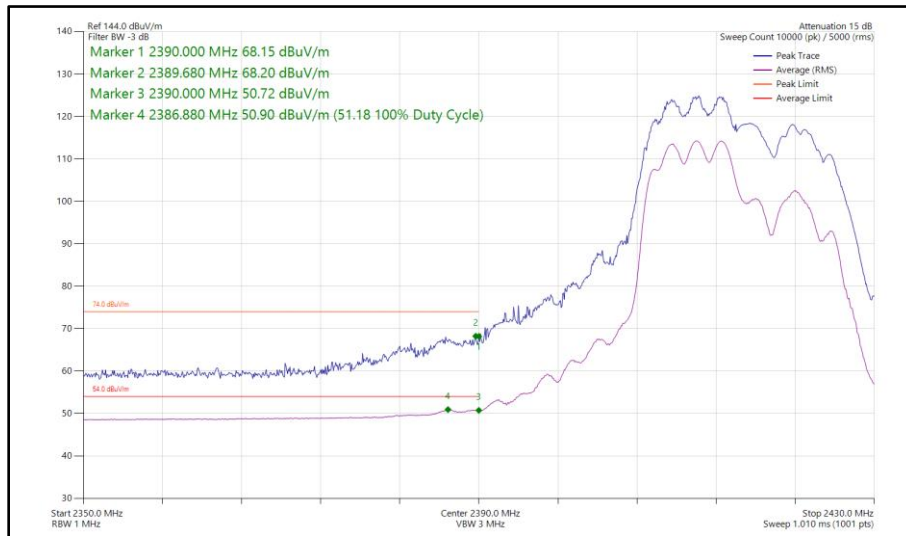


Figure 102 - 802.11ax HE20, RU 106-53, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz

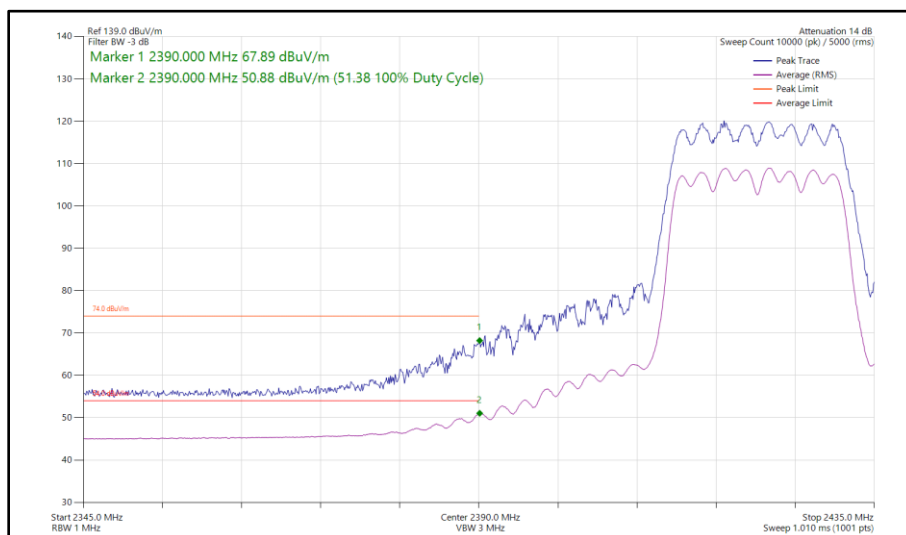


Figure 103 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz

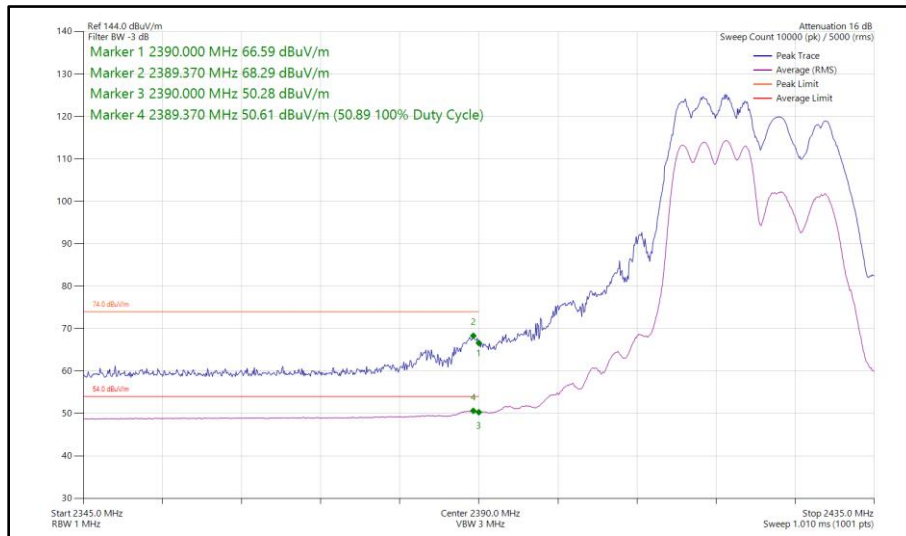


Figure 104 - 802.11ax HE20, RU 106-53, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz

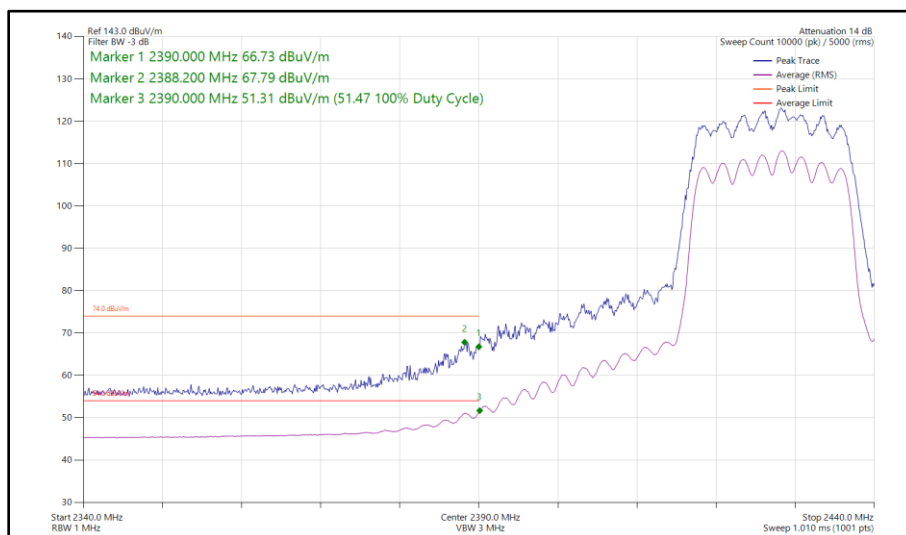
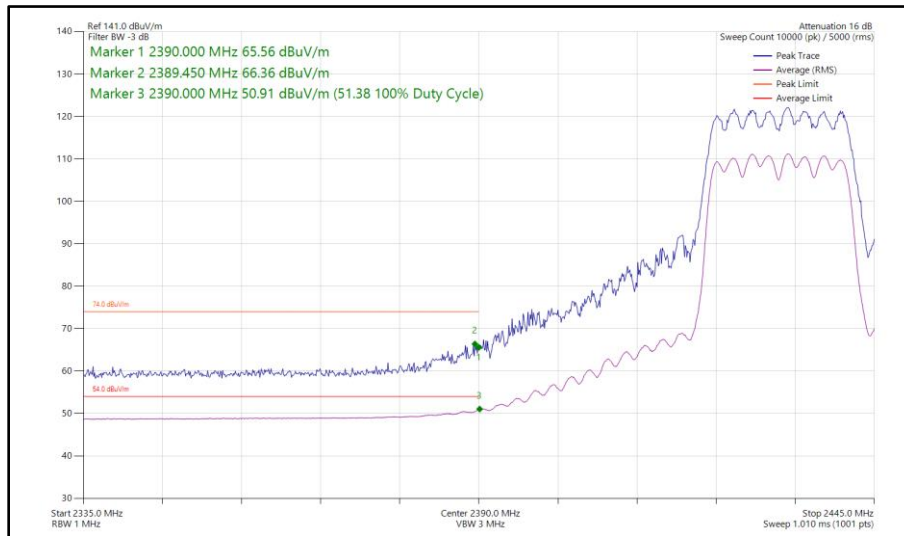
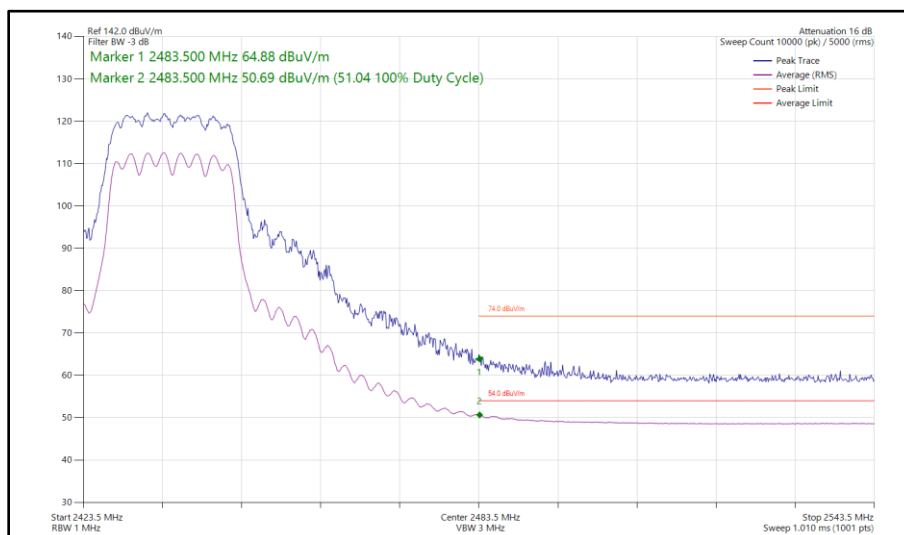


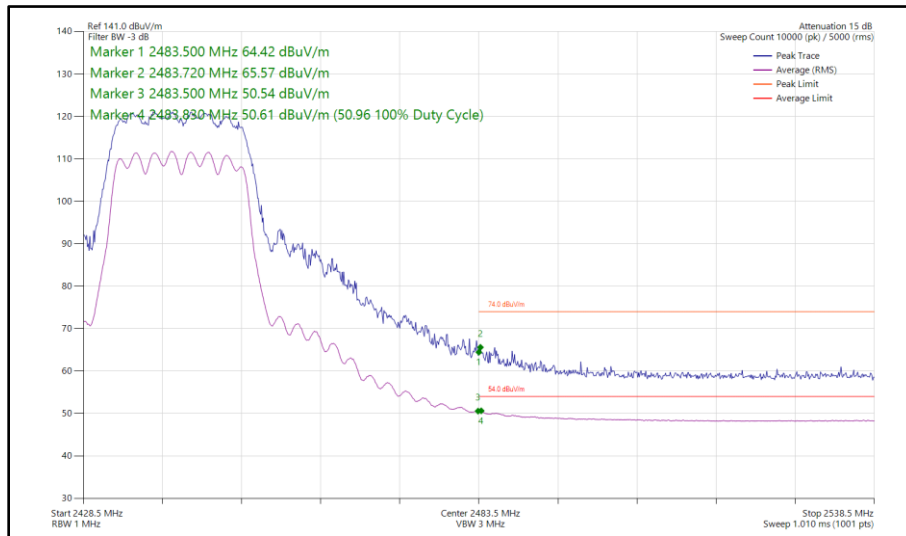
Figure 105 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2427 MHz
Band Edge Frequency 2390 MHz



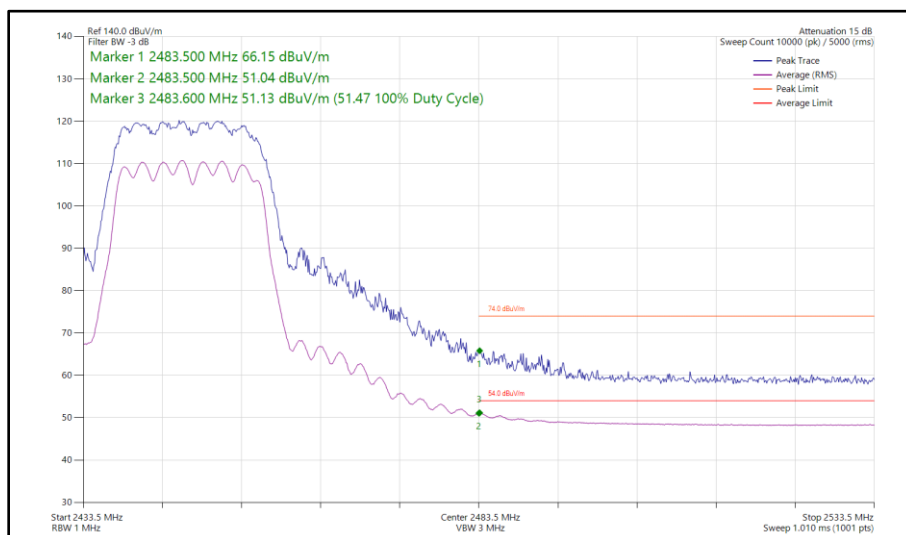
**Figure 106 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2432 MHz
Band Edge Frequency 2390 MHz**



**Figure 107 - 802.11n HT20, CDD, Core 0 - Core 1 - 2437 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 108 - 802.11n HT20, CDD, Core 0 - Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 109 - 802.11n HT20, CDD, Core 0 - Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**

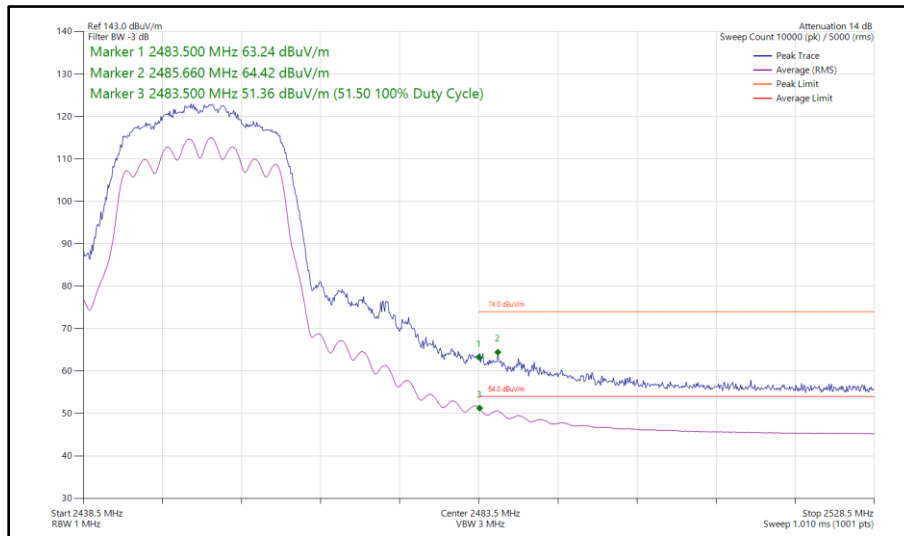


Figure 110 - 802.11n HT20, CDD, Core 0 - Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz

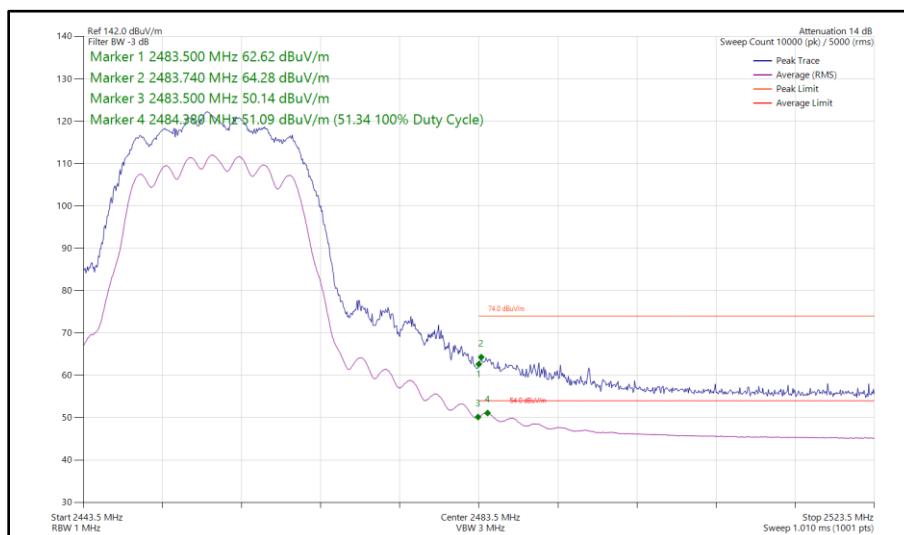


Figure 111 - 802.11n HT20, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz

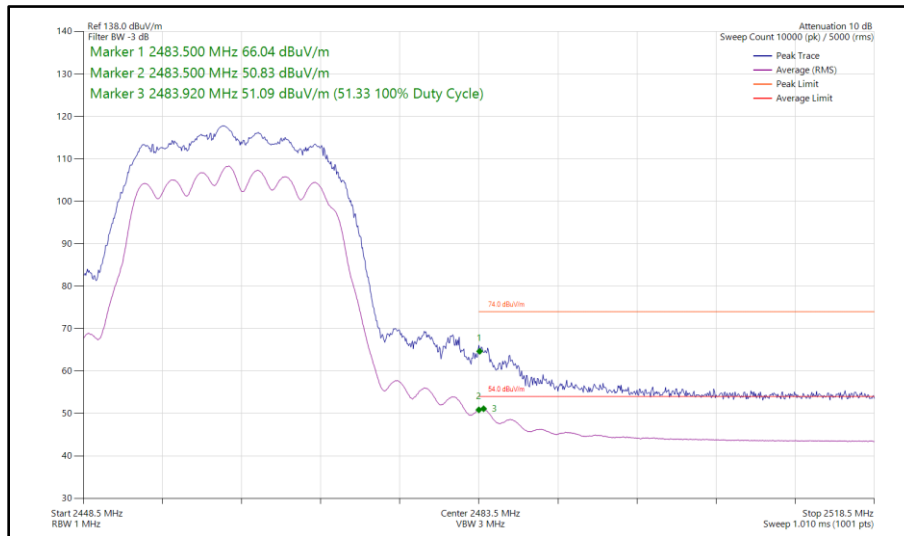


Figure 112 - 802.11n HT20, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz

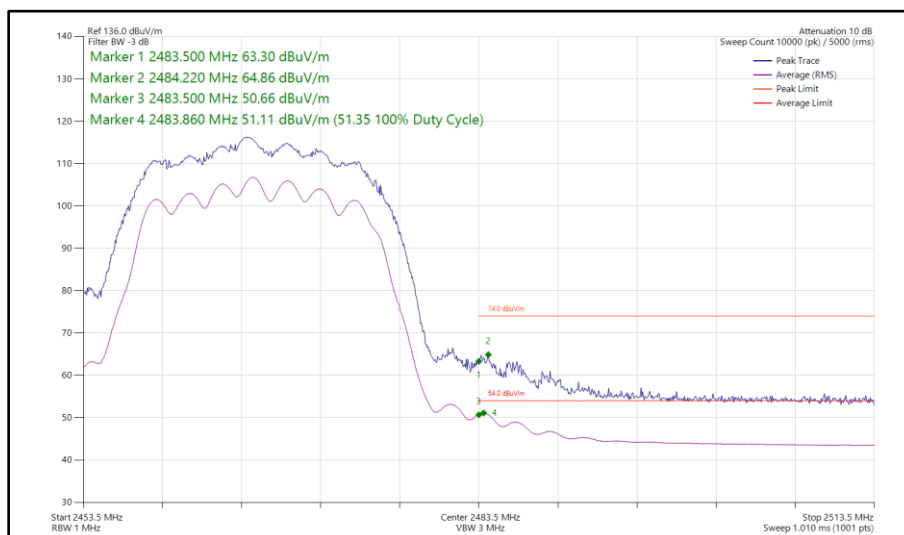
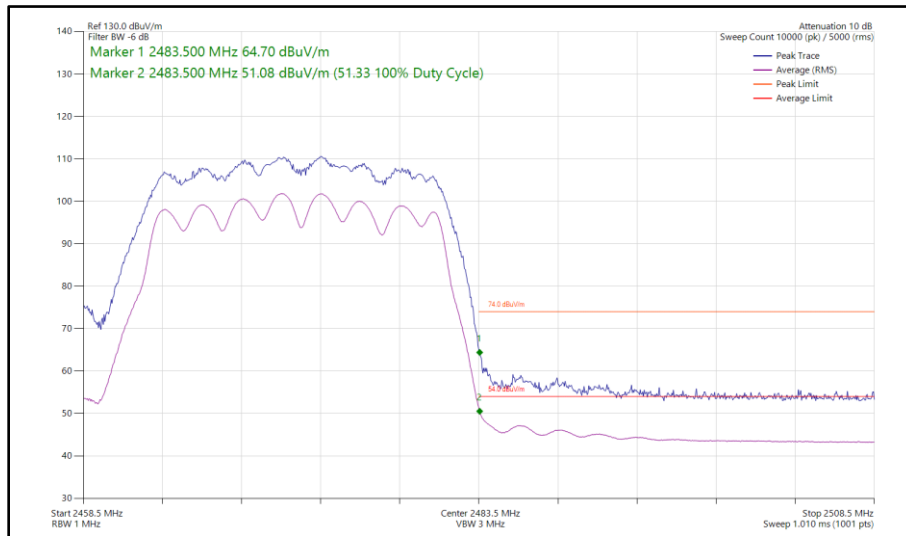
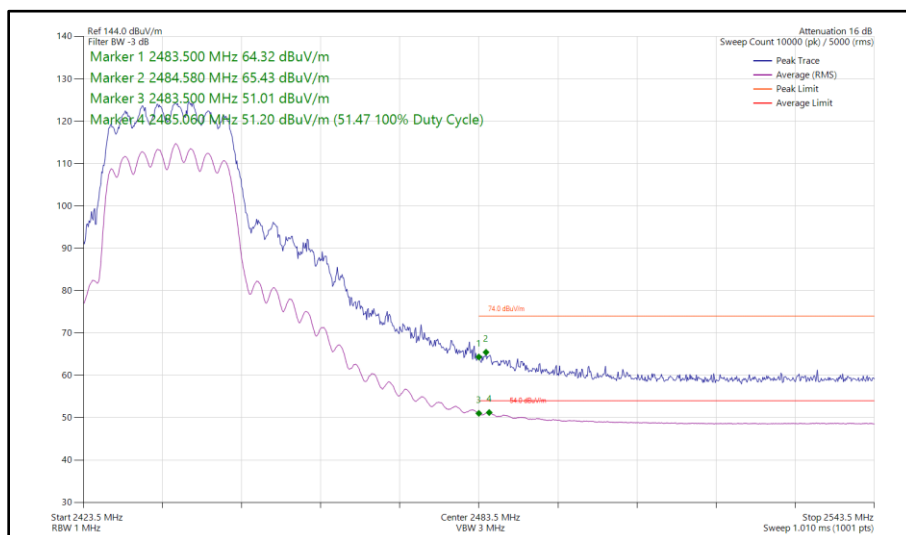


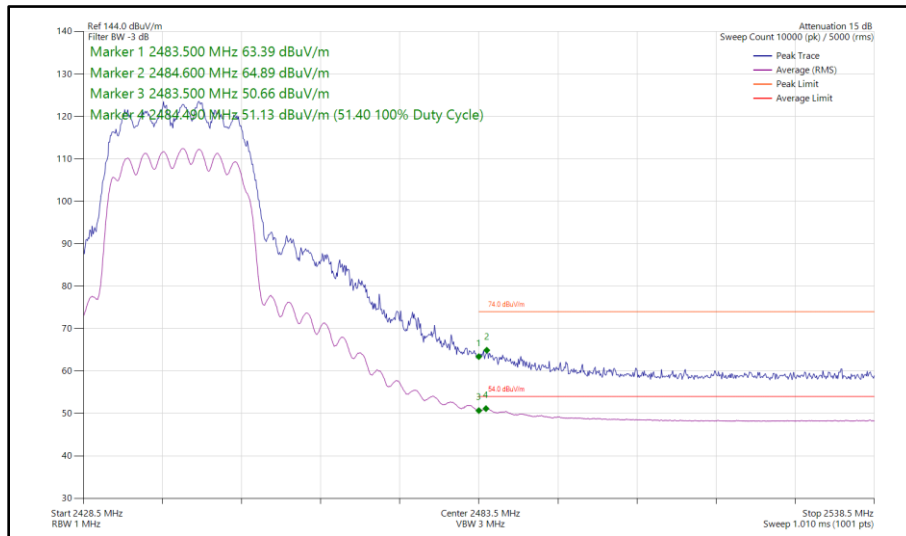
Figure 113 - 802.11n HT20, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz



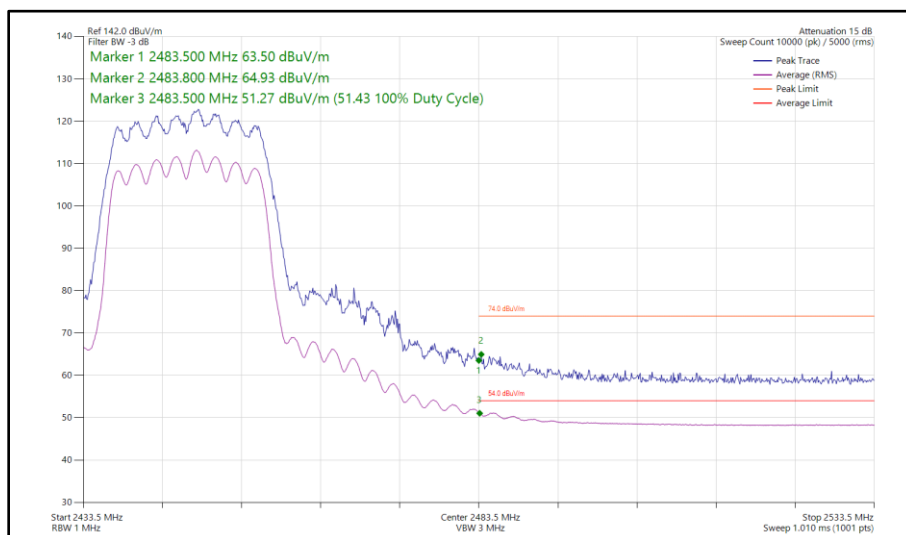
**Figure 114 - 802.11n HT20, CDD, Core 0 - Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



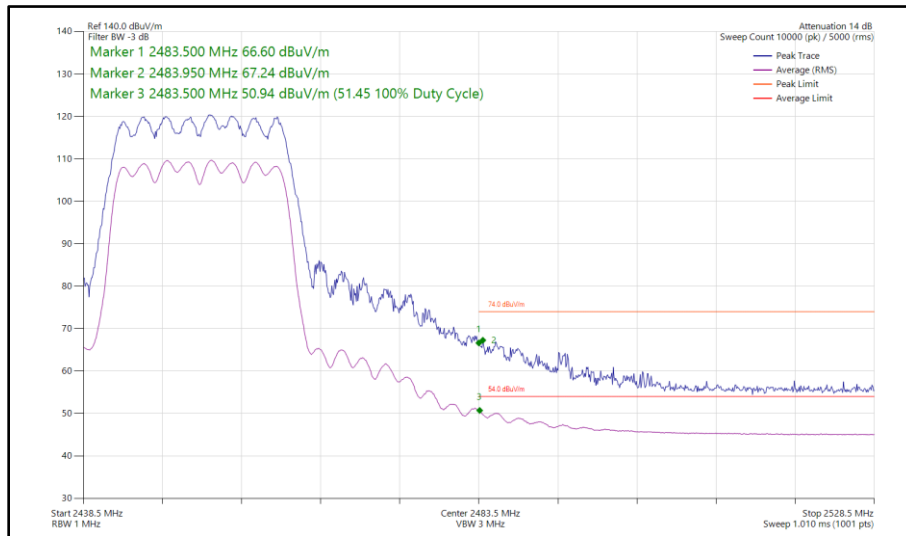
**Figure 115 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2437 MHz
Band Edge Frequency 2483.5 MHz**



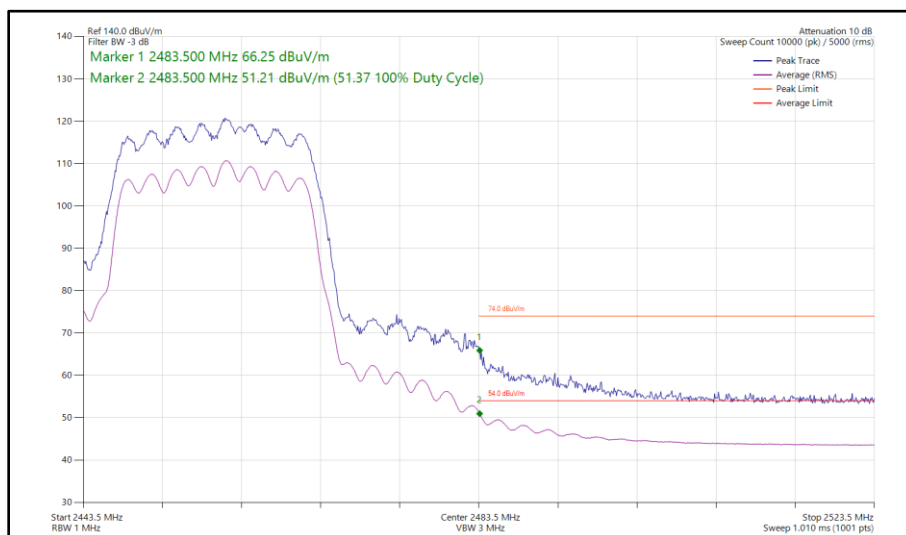
**Figure 116 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 117 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 118 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 119 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



Figure 120 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz

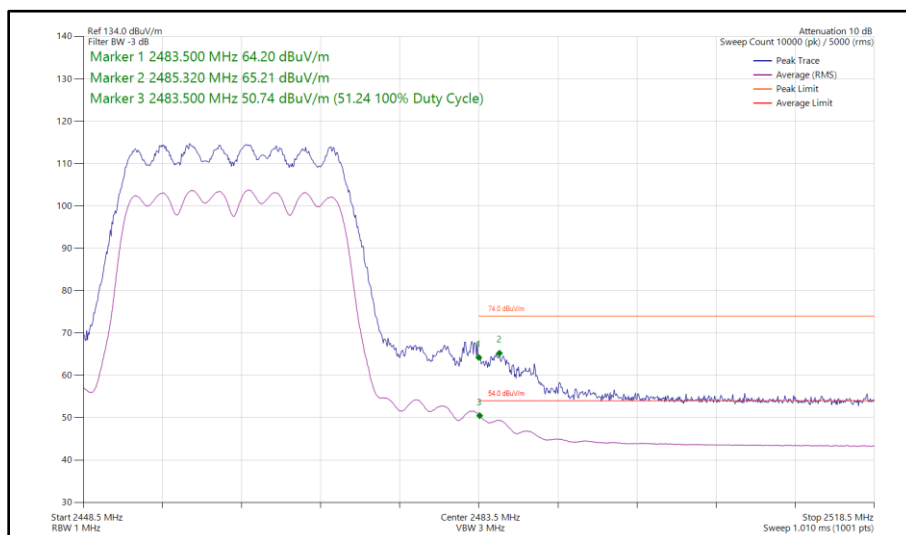


Figure 121 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz

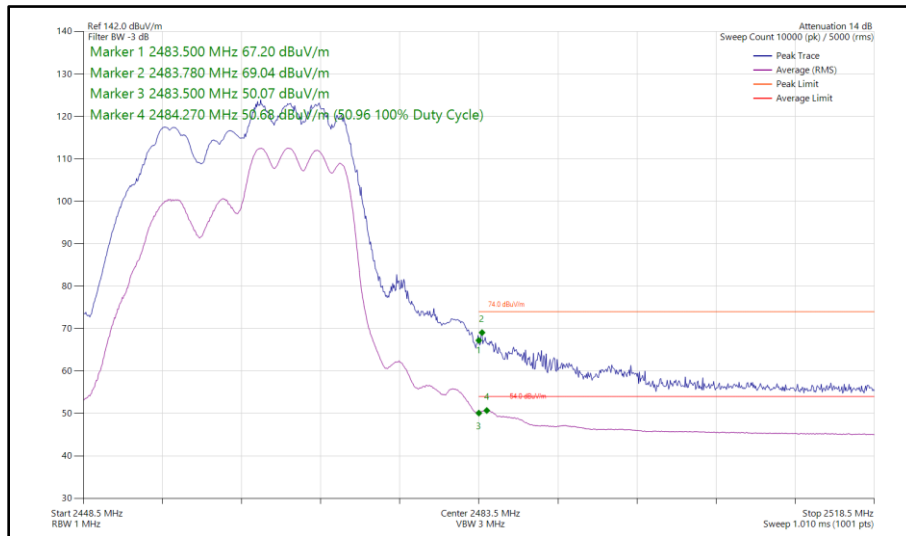


Figure 122 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz

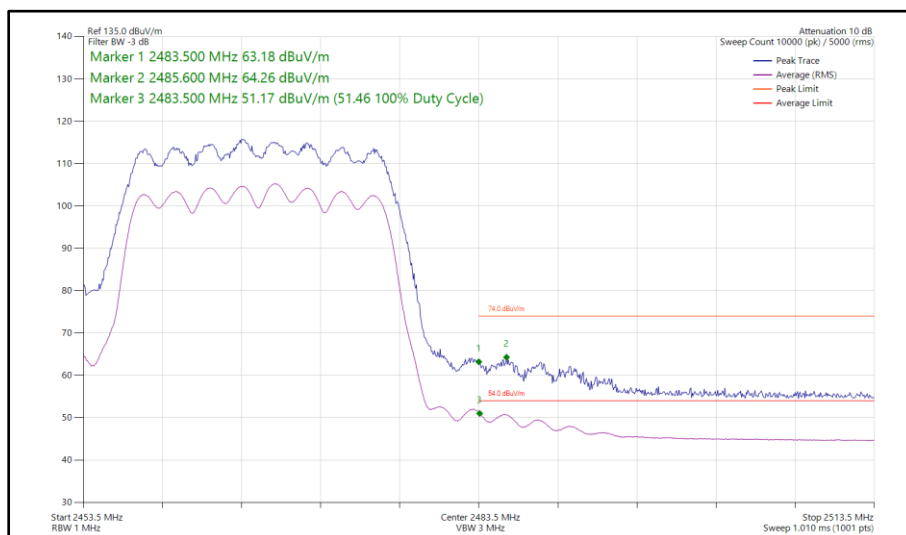


Figure 123 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz

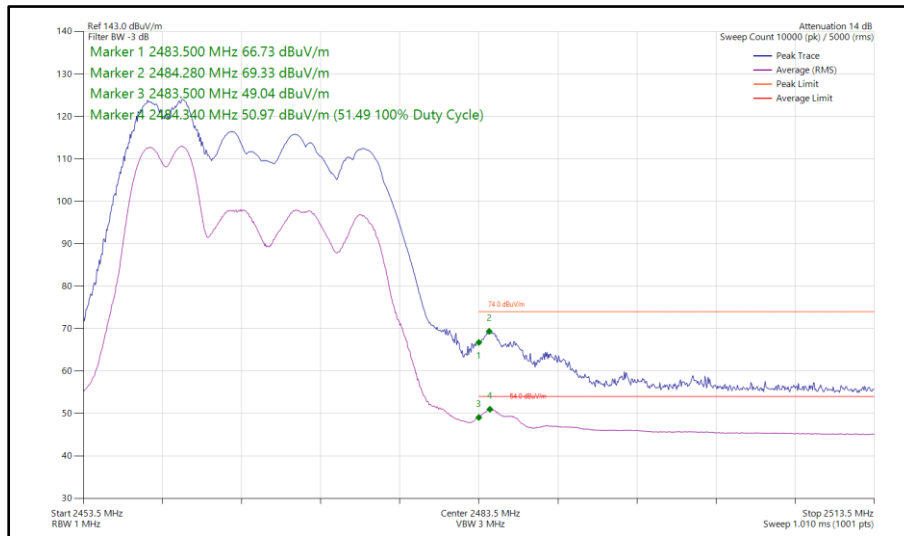


Figure 124 - 802.11ax HE20, RU 52-37, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz

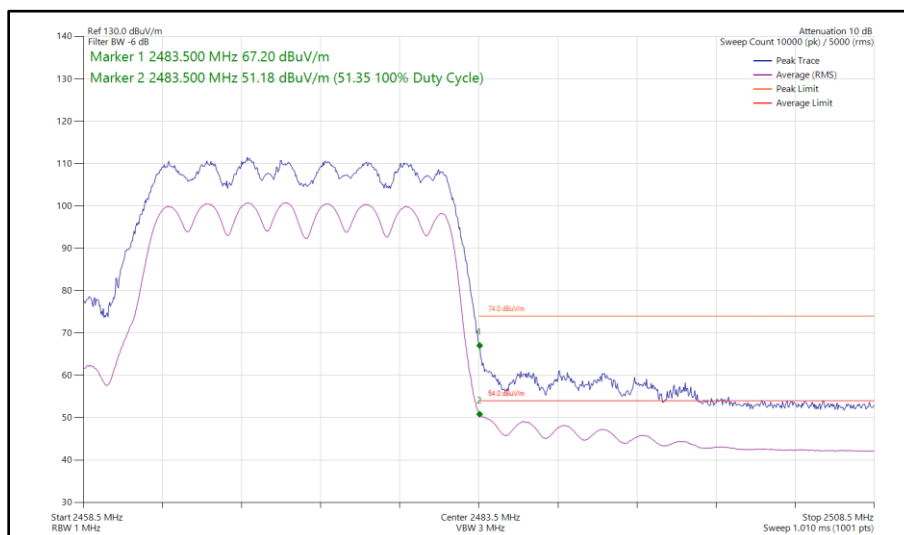


Figure 125 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz

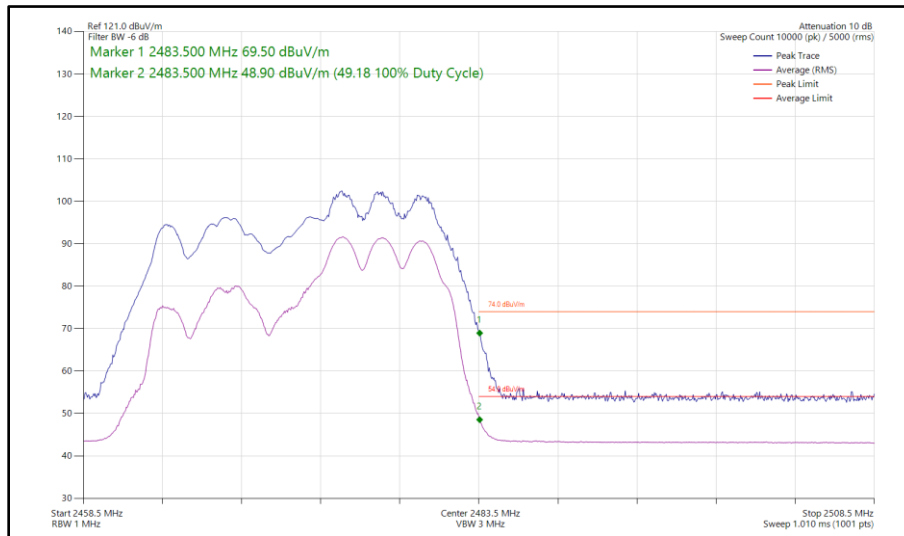


Figure 126 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2472 MHz Band Edge Frequency 2483.5 MHz

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

2.1.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14 and RF Chamber 15.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	11-Sep-2024
Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-May-2025
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	O/P Mon
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 14	5958	36	26-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5959	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5962	-	TU



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	28-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5964	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5966	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5967	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5968	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5997	12	14-Sep-2024
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	20-May-2025
Cable (N to N 1m)	Junkosha	MWX221-01000AMSAMS/B	6009	12	20-May-2025
Cable (SMA to SMA 6.5m)	Junkosha	MWX221-06500AMSAMS/B	6014	12	24-Aug-2024
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	05-May-2025
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
Digital Multimeter	Fluke	115	6147	12	06-Jun-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	22-Dec-2024
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2024
Humidity and Temperature meter	R.S Components	1364	6346	12	06-Mar-2025
Humidity and Temperature Meter	R.S Components	1364	6486	12	04-Jun-2025
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6740	12	01-Feb-2025
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	01-Feb-2025
6.5m Cable	Junkosha	MWX221-06500AMSAMS/B	6744	12	01-Feb-2025

Table 11

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



2.2 Emission Bandwidth

2.2.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (a)(2)

2.2.2 Equipment Under Test and Modification State

A3186, S/N: LXXD3YHT0L - Modification State 0

2.2.3 Date of Test

29-August-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	21.3 °C
Relative Humidity	58.3 %



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	15.240	17.340
802.11ax HE20 SU	18.360	19.080

Table 12 - 6 dB Bandwidth Summary Results - SISO

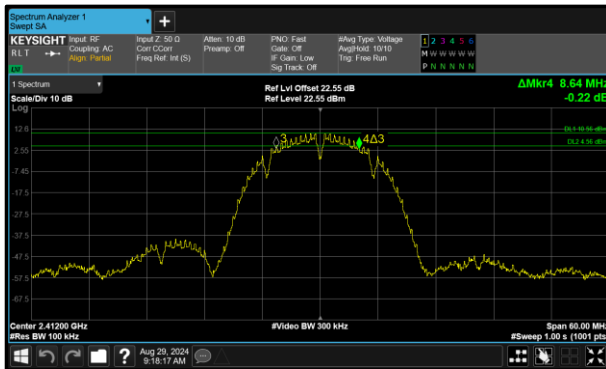


Figure 127 - 802.11b Minimum 6 dB EBW

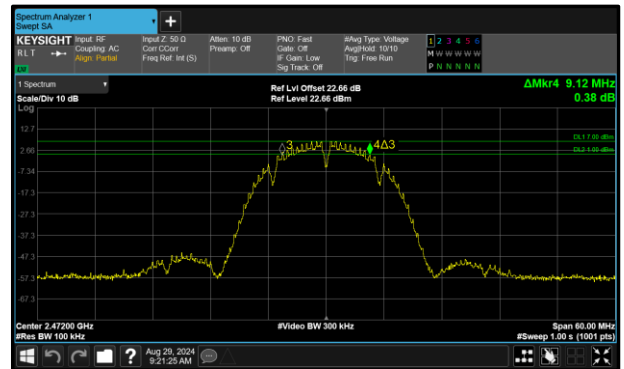


Figure 128 - 802.11b Maximum 6 dB EBW

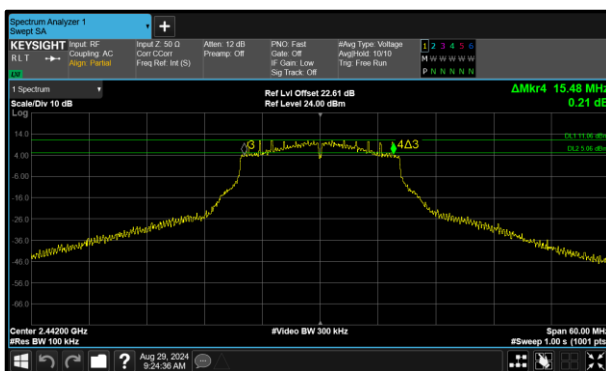


Figure 129 - 802.11g Minimum 6 dB EBW

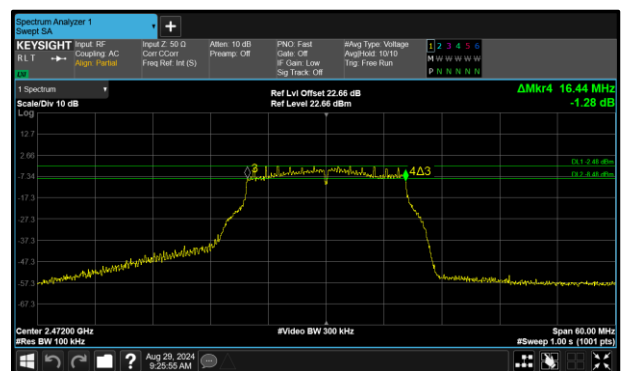


Figure 130 - 802.11g Maximum 6 dB EBW