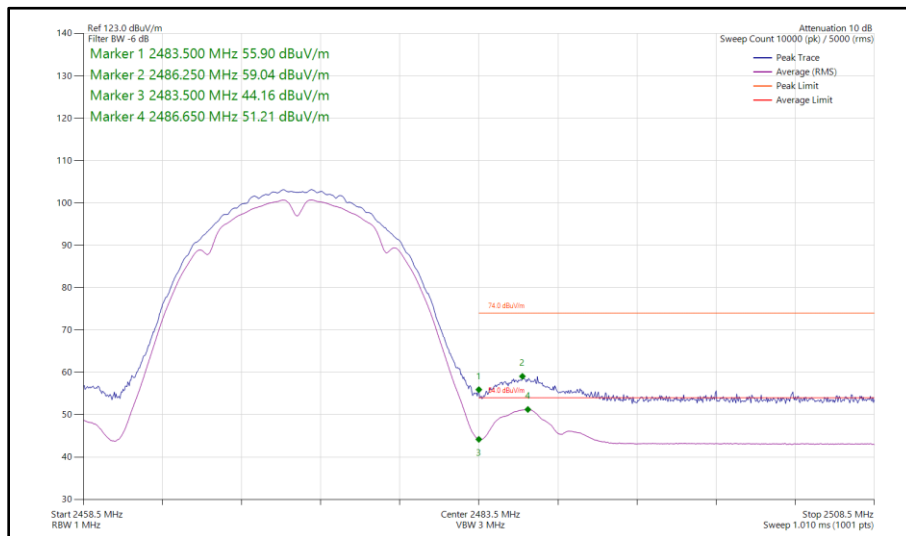
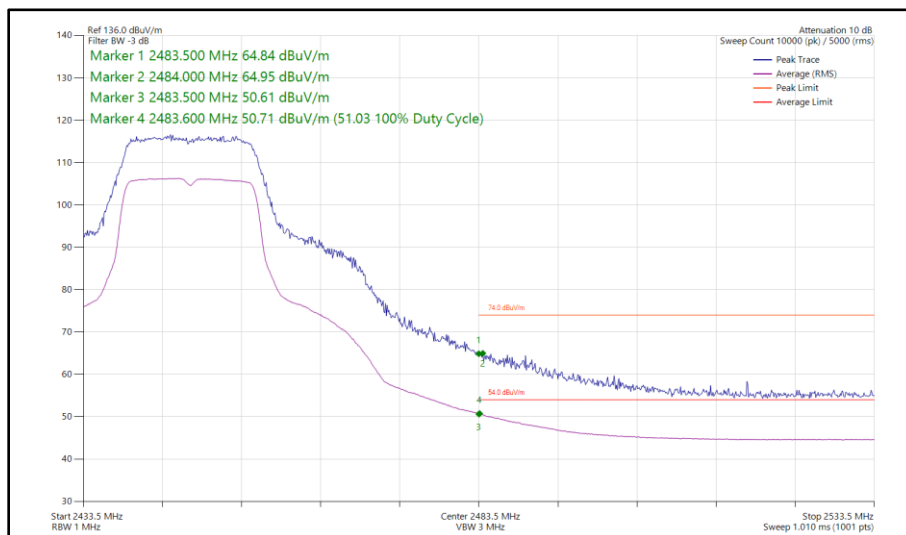
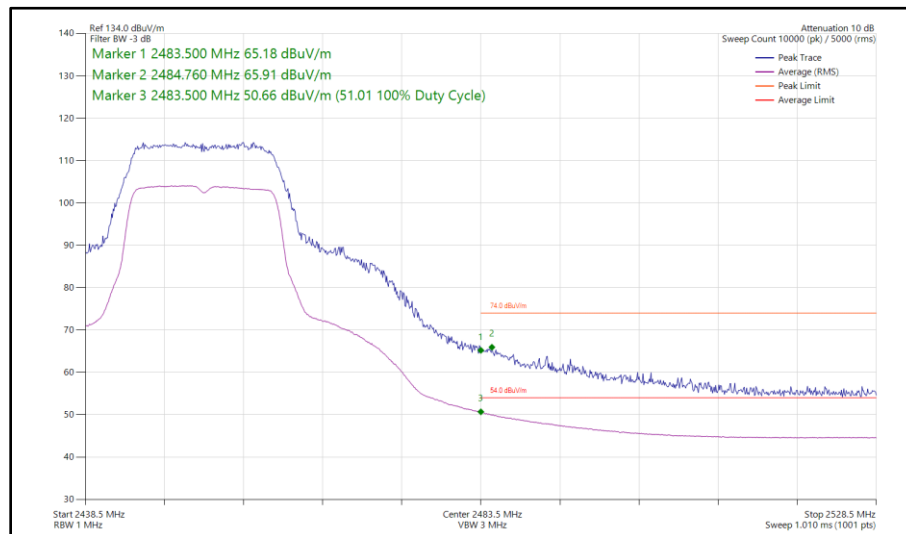




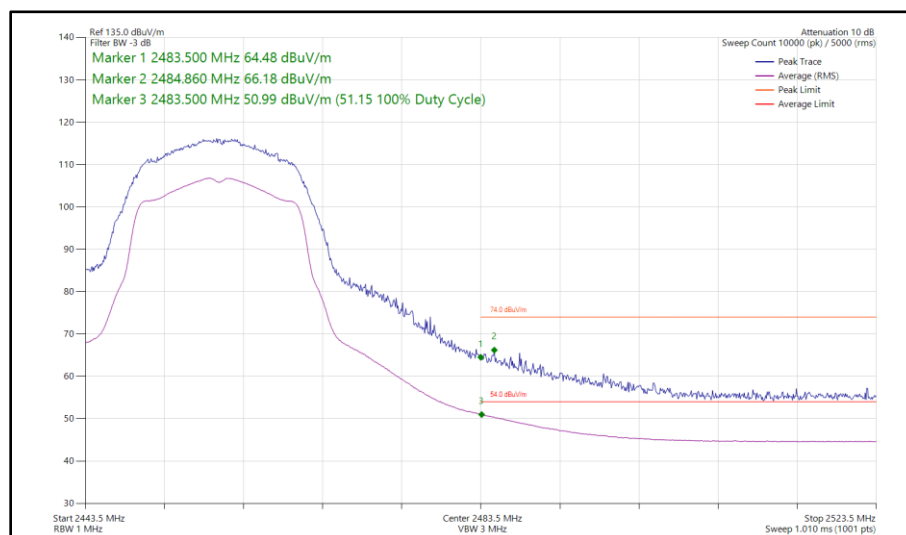
**Figure 62 - 802.11b, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 63 - 802.11g, SISO, Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 64 - 802.11g, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 65 - 802.11g, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**

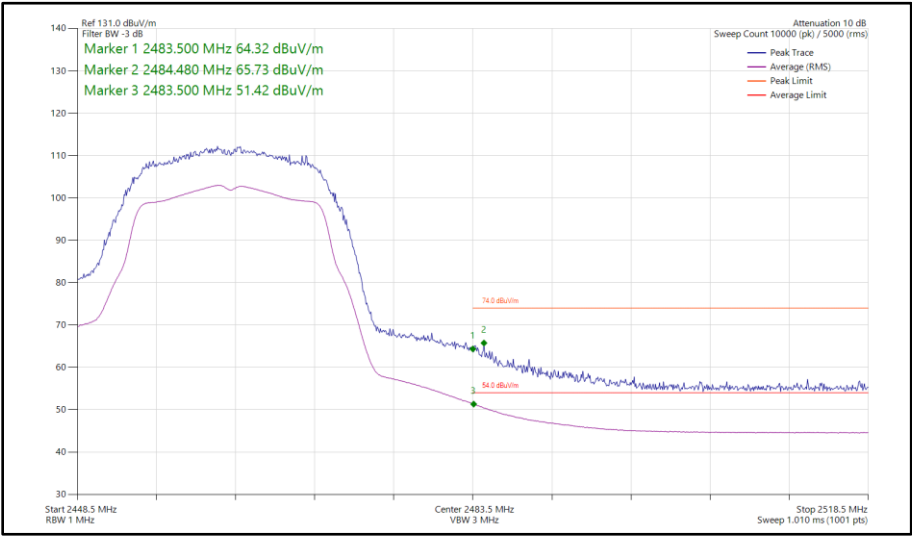


Figure 66 - 802.11g, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz

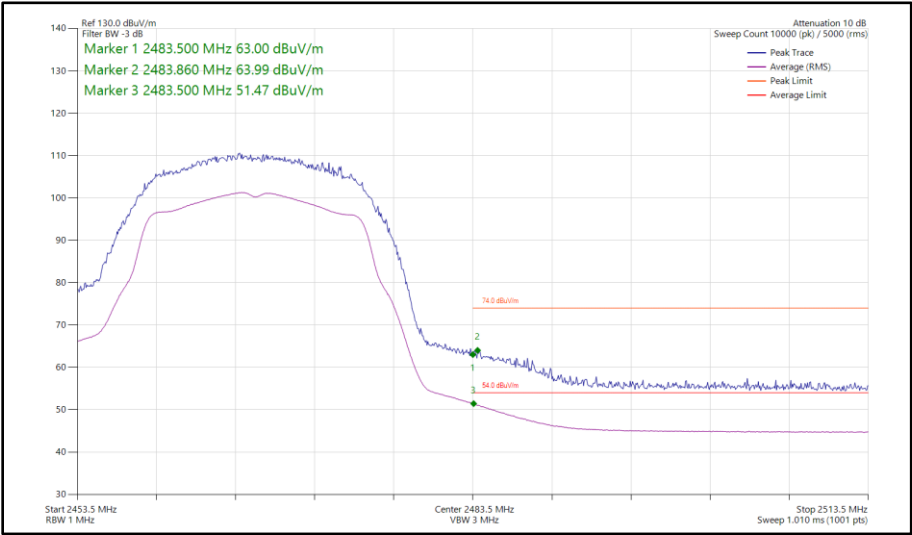
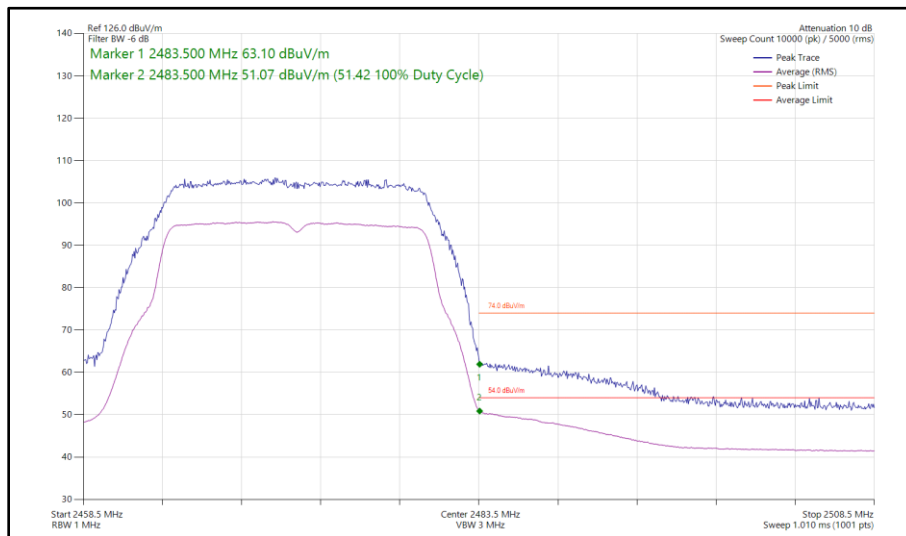
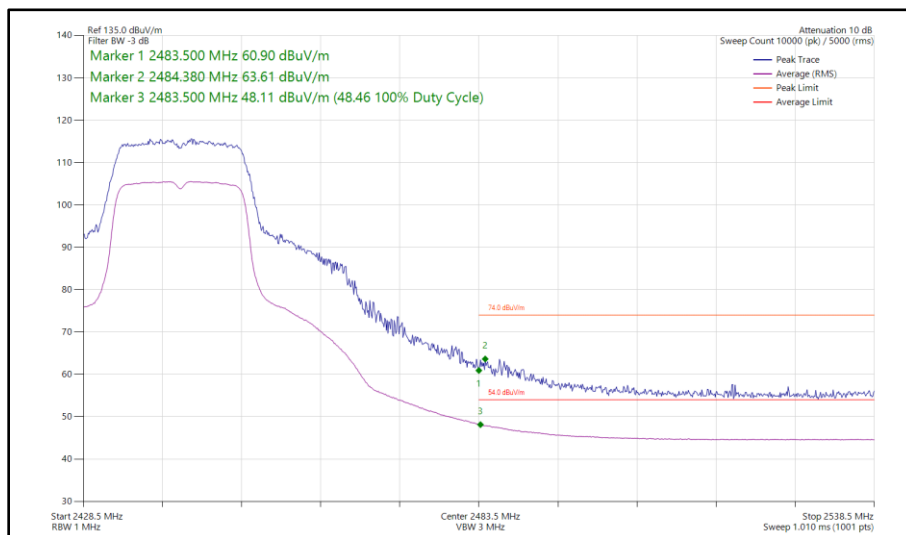


Figure 67 - 802.11g, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz



**Figure 68 - 802.11g, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 69 - 802.11n HT20, SISO, Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz**

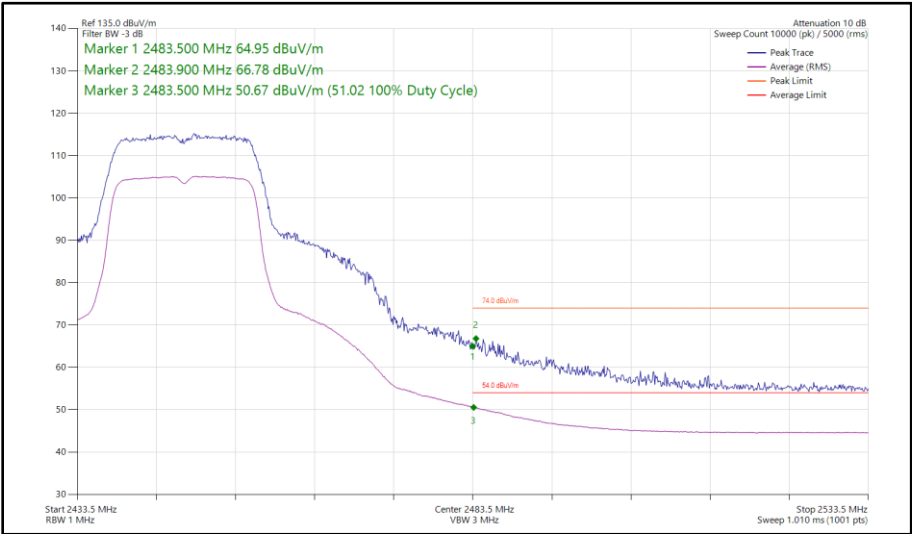


Figure 70 - 802.11n HT20, SISO, Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz

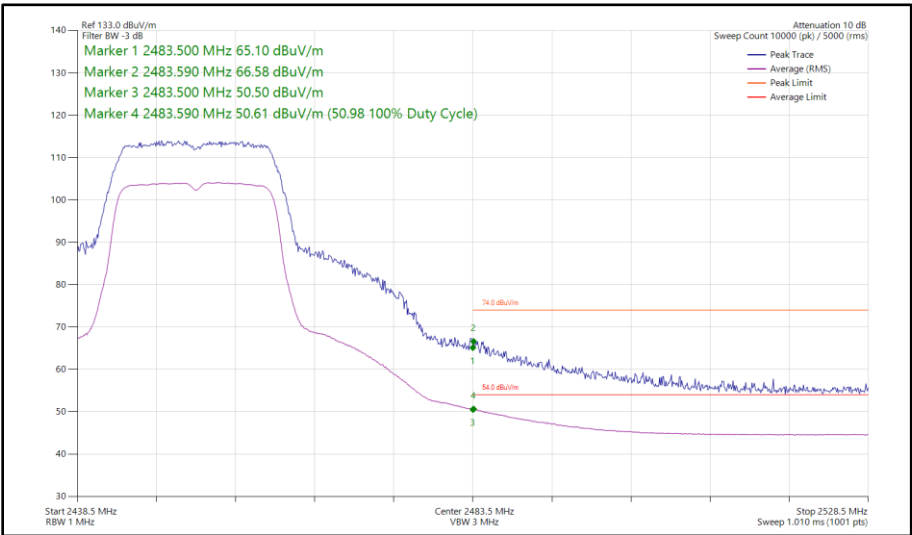
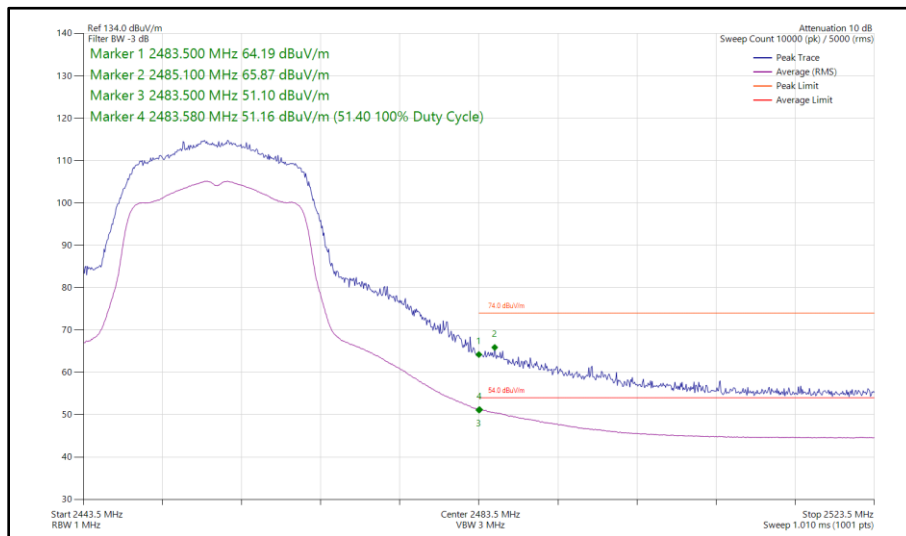
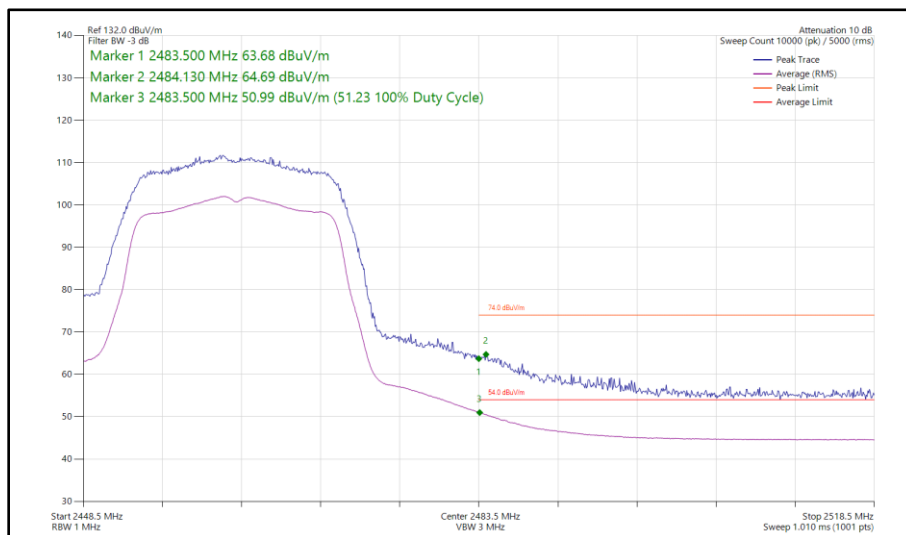


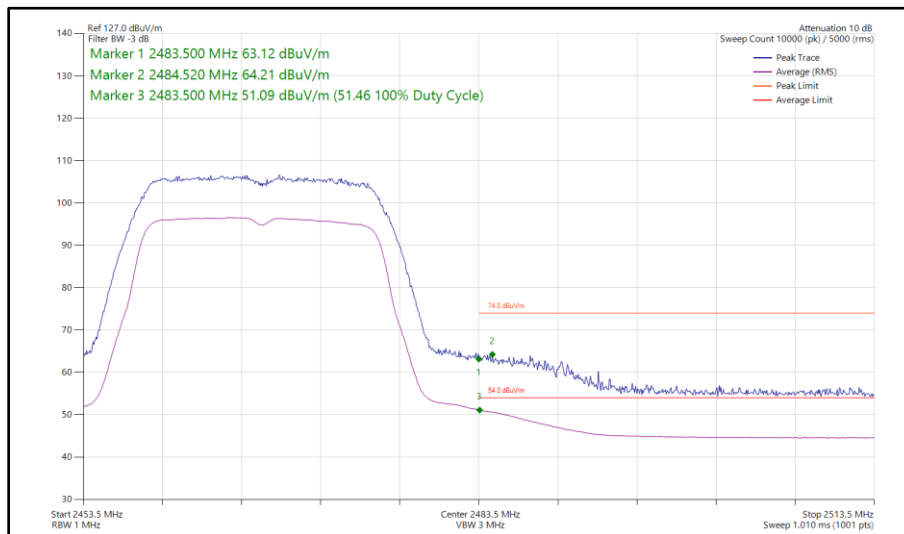
Figure 71 - 802.11n HT20, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz



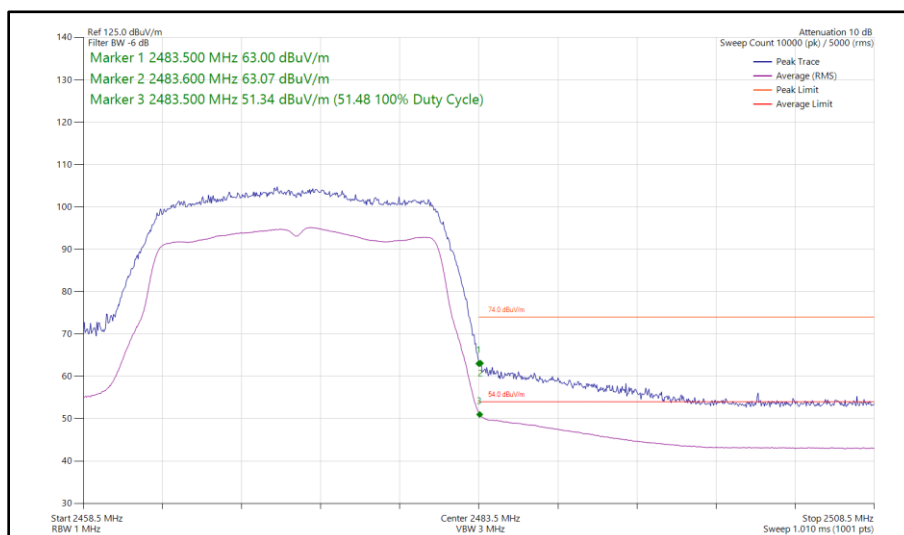
**Figure 72 - 802.11n HT20, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



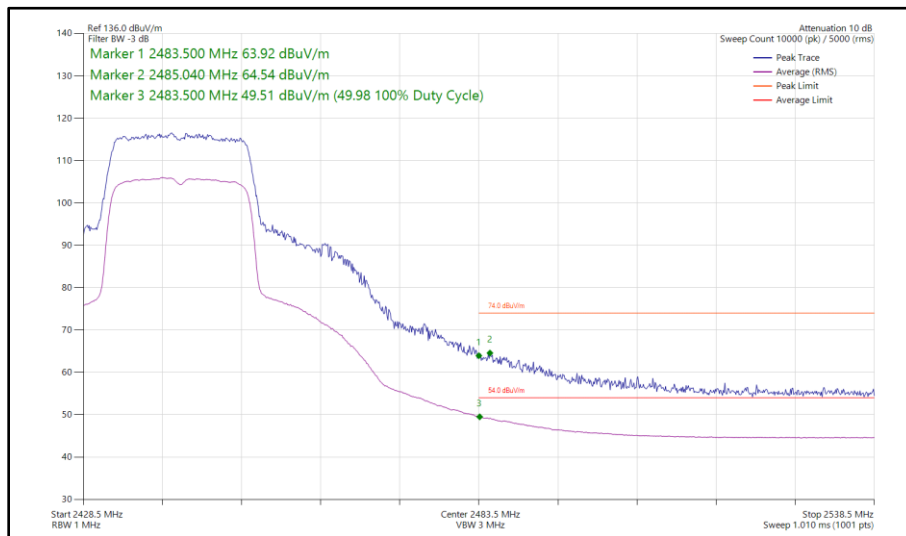
**Figure 73 - 802.11n HT20, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



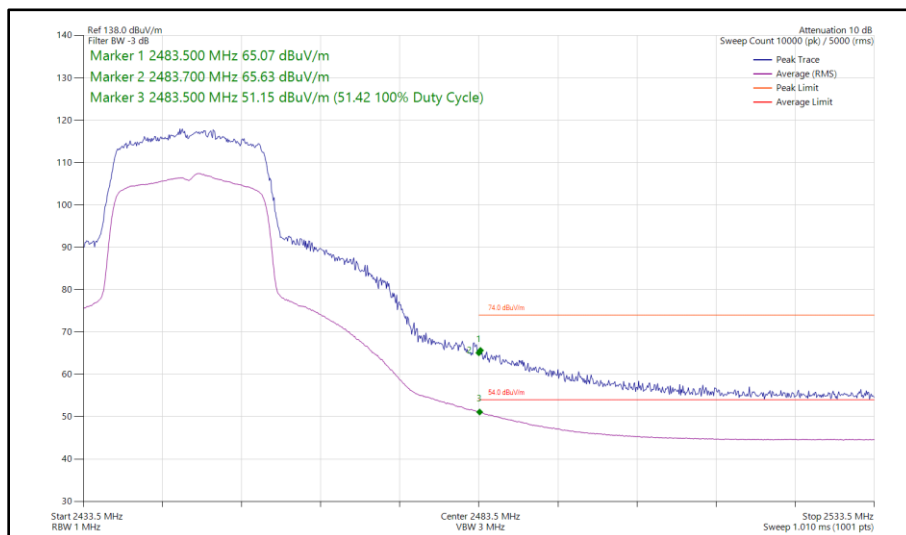
**Figure 74 - 802.11n HT20, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 75 - 802.11n HT20, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 76 - 802.11ax HE20, SU, SISO, Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 77 - 802.11ax HE20, SU, SISO, Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**

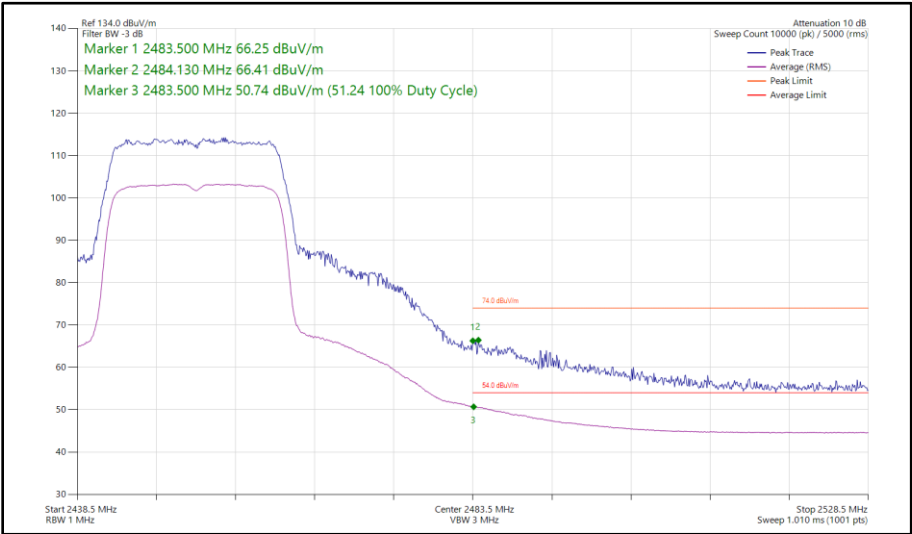


Figure 78 - 802.11ax HE20, SU, SISO, Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz

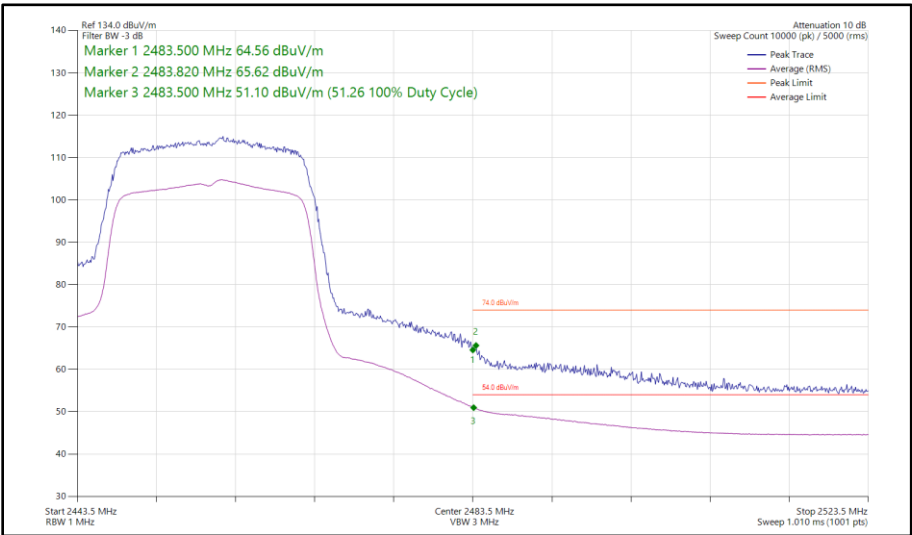
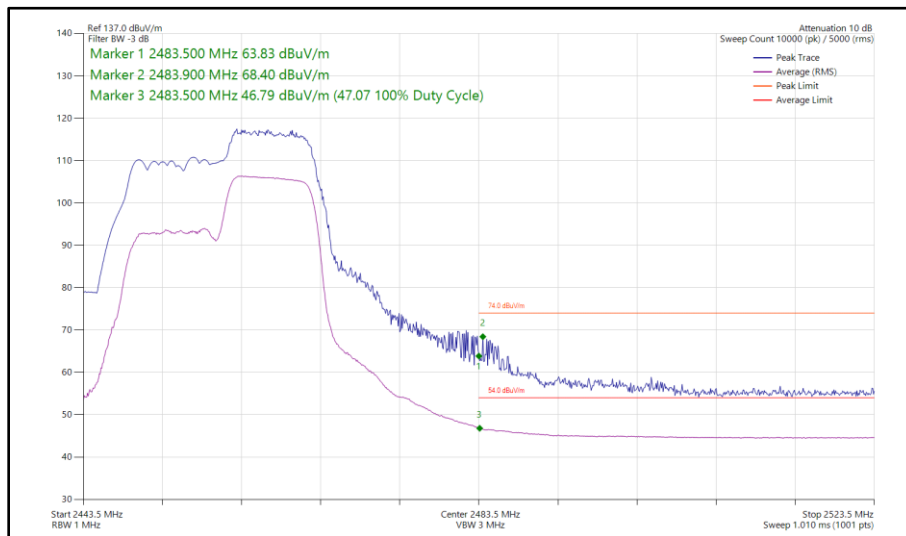
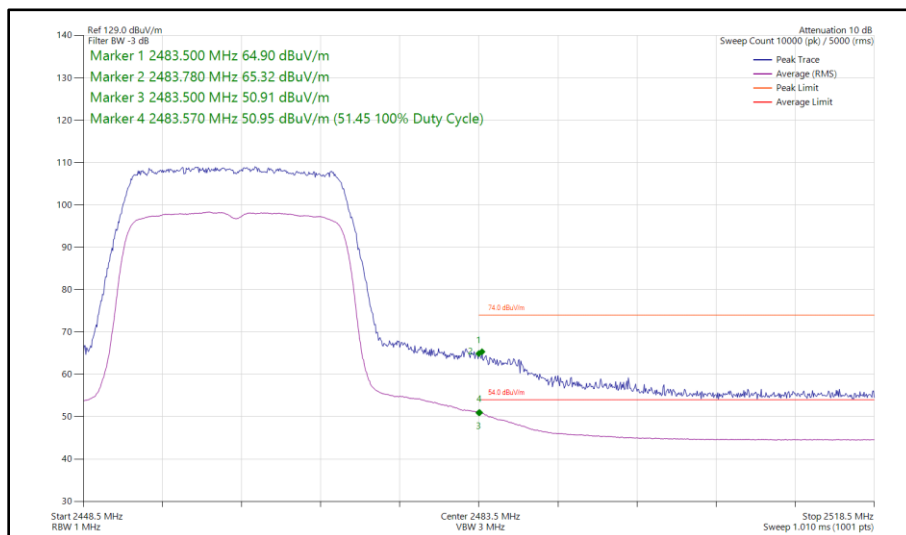


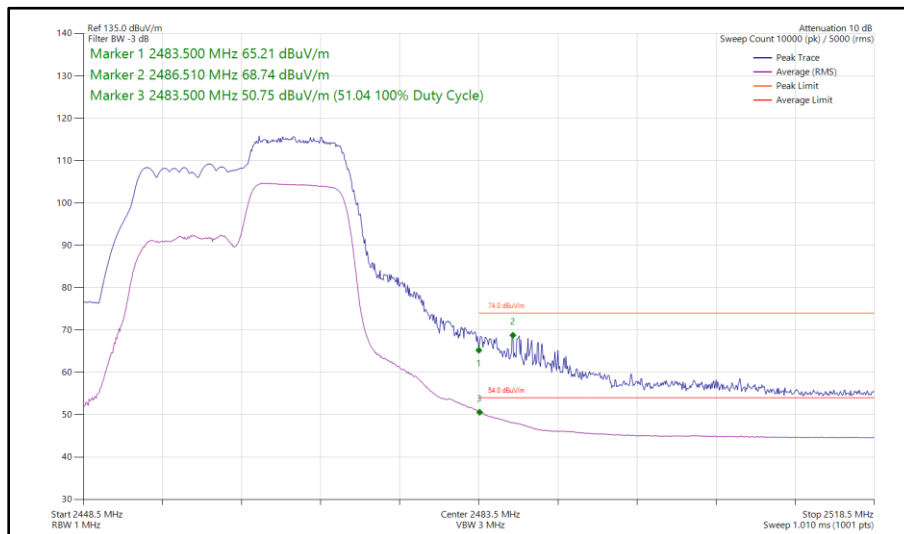
Figure 79 - 802.11ax HE20, SU, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz



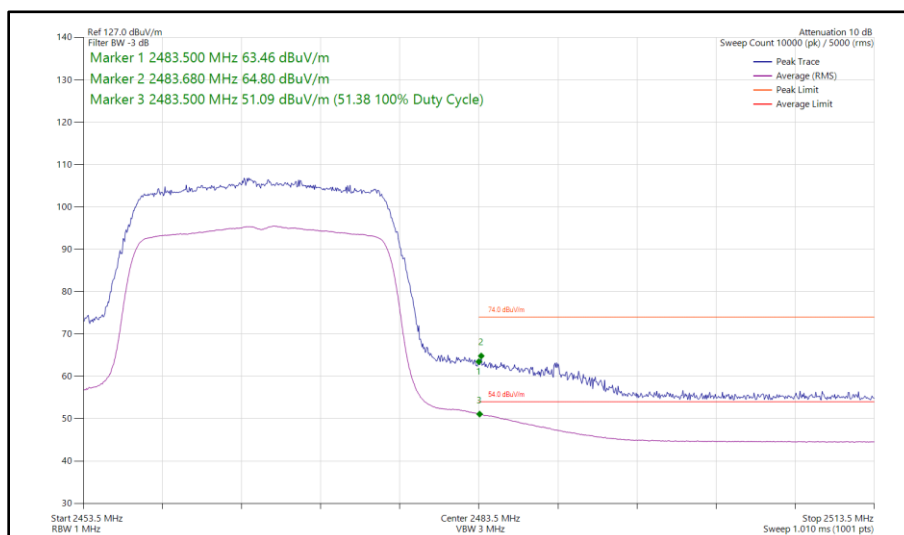
**Figure 80 - 802.11ax HE20, RU 106-54, SISO, Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



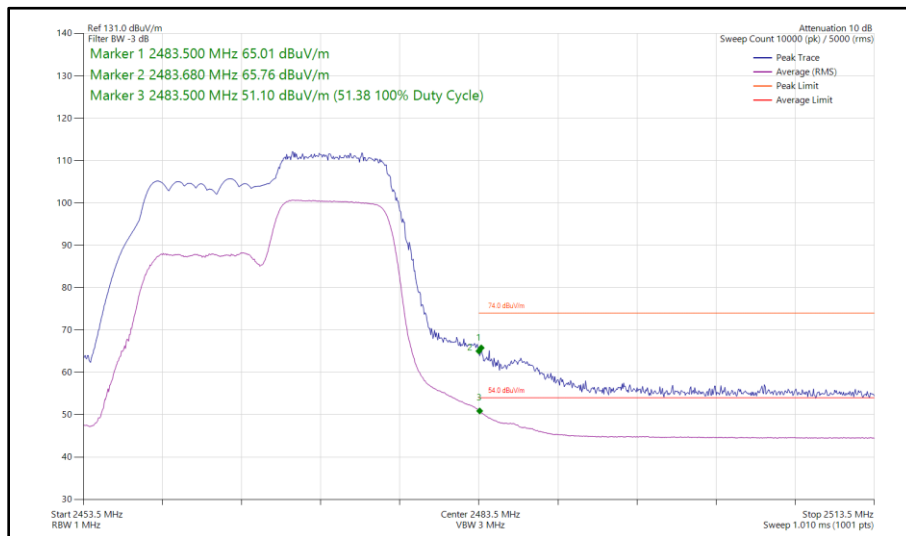
**Figure 81 - 802.11ax HE20, SU, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



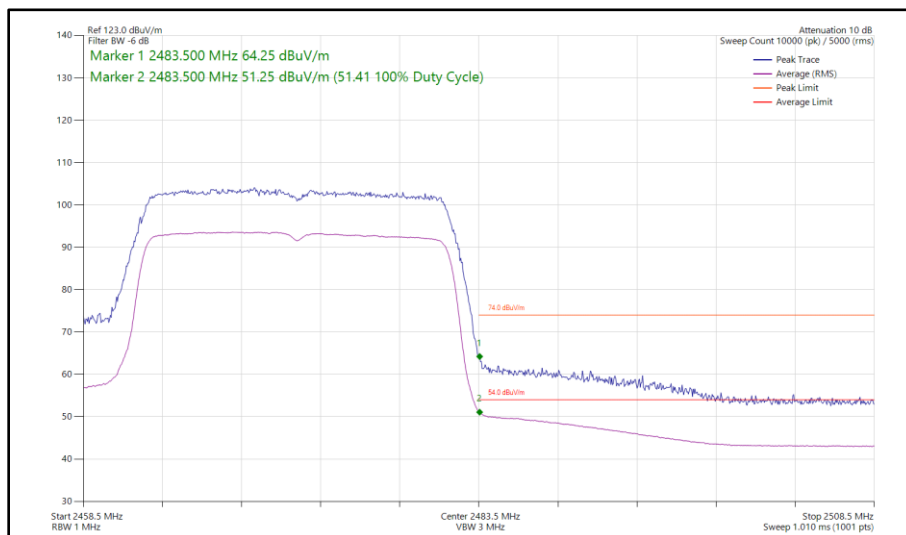
**Figure 82 - 802.11ax HE20, RU 106-54, SISO, Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



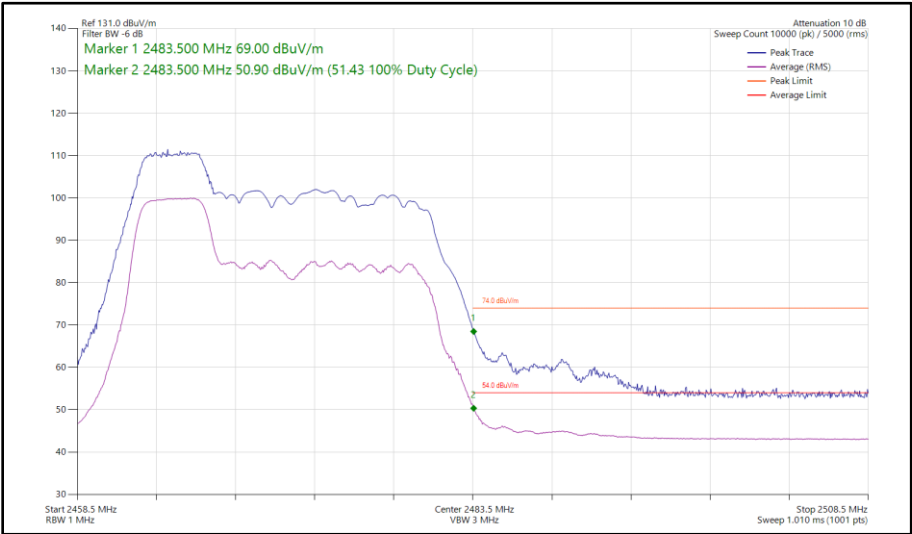
**Figure 83 - 802.11ax HE20, SU, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 84 - 802.11ax HE20, RU 106-54, SISO, Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 85 - 802.11ax HE20, SU, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



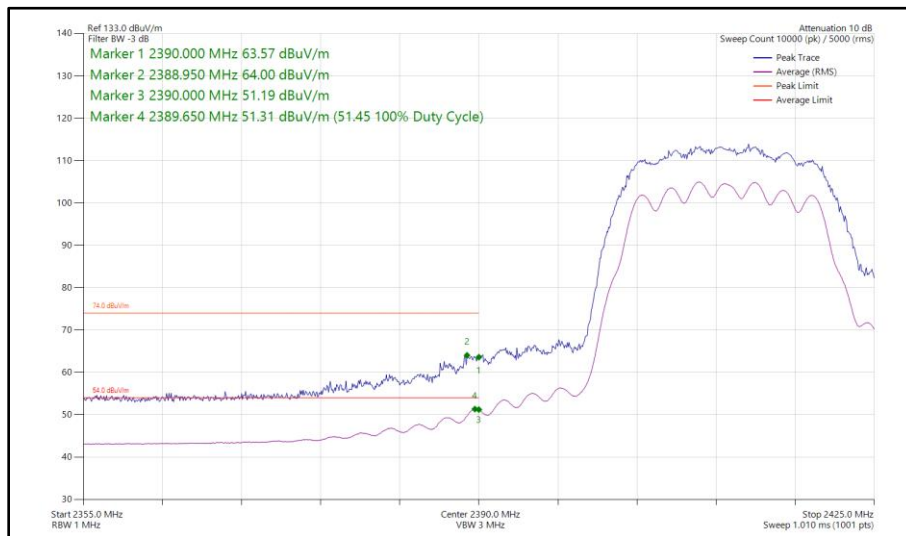
**Figure 86 - 802.11ax HE20, RU 52-37, SISO, Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



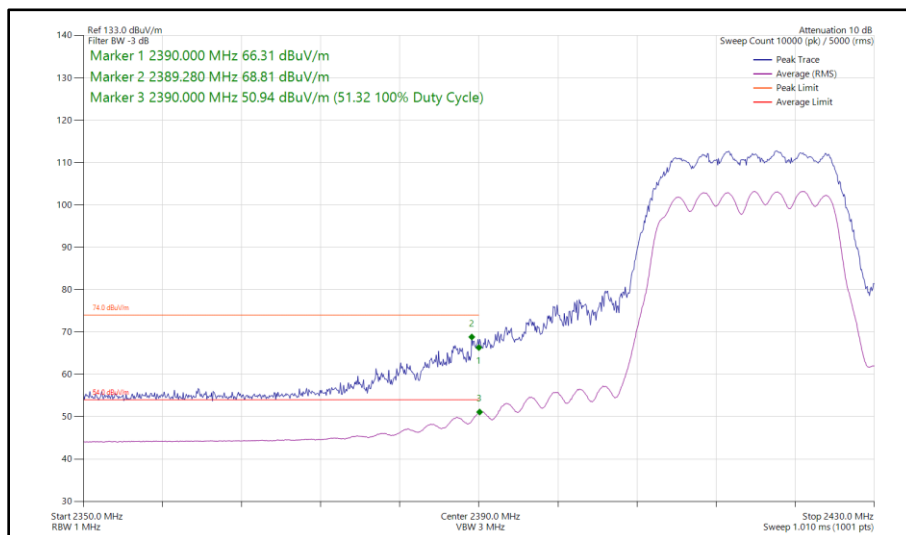
20 MHz Bandwidth - Core 0 - Core 1 (CDD)

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	64.00	51.45
802.11n HT20	MCS 7	-	-	2417	2390	68.81	51.32
802.11n HT20	MCS 7	-	-	2422	2390	69.36	51.37
802.11n HT20	MCS 7	-	-	2427	2390	68.95	51.06
802.11n HT20	MCS 7	-	-	2432	2390	68.40	50.16
802.11ax HE20	MCS 2x1	SU	-	2412	2390	66.16	51.43
802.11ax HE20	MCS 9x1	106	53	2412	2390	68.77	51.43
802.11ax HE20	MCS 9x1	SU	-	2417	2390	69.08	51.37
802.11ax HE20	MCS 9x1	106	53	2417	2390	64.99	47.54
802.11ax HE20	MCS 4x1	SU	-	2422	2390	66.46	51.39
802.11ax HE20	MCS 9x1	106	54	2422	2390	63.92	45.74
802.11ax HE20	MCS 4x1	SU	-	2427	2390	68.06	51.37
802.11ax HE20	MCS 9x1	SU	-	2432	2390	69.17	50.60
802.11n HT20	MCS 7	-	-	2447	2483.5	65.91	51.31
802.11n HT20	MCS 2	-	-	2452	2483.5	63.63	51.47
802.11n HT20	MCS 2	-	-	2457	2483.5	63.73	50.92
802.11n HT20	MCS 7	-	-	2462	2483.5	66.10	51.50
802.11n HT20	MCS 4	-	-	2467	2483.5	64.17	51.46
802.11n HT20	MCS 7	-	-	2472	2483.5	65.70	51.46
802.11ax HE20	MCS 4x1	SU	-	2442	2483.5	67.02	51.49
802.11ax HE20	MCS 9x1	SU	-	2447	2483.5	66.45	51.28
802.11ax HE20	MCS 2x1	SU	-	2452	2483.5	64.85	51.32
802.11ax HE20	MCS 2x1	SU	-	2457	2483.5	66.58	51.32
802.11ax HE20	MCS 9x1	106	54	2457	2483.5	66.63	47.28
802.11ax HE20	MCS 9x1	SU	-	2462	2483.5	65.01	50.38
802.11ax HE20	MCS 9x1	106	54	2462	2483.5	67.67	51.10
802.11ax HE20	MCS 2x1	SU	-	2467	2483.5	64.60	51.44
802.11ax HE20	MCS 9x1	106	53	2467	2483.5	68.05	51.48
802.11ax HE20	MCS 9x1	SU	-	2472	2483.5	65.30	51.46
802.11ax HE20	MCS 9x1	26	0	2472	2483.5	69.45	48.86

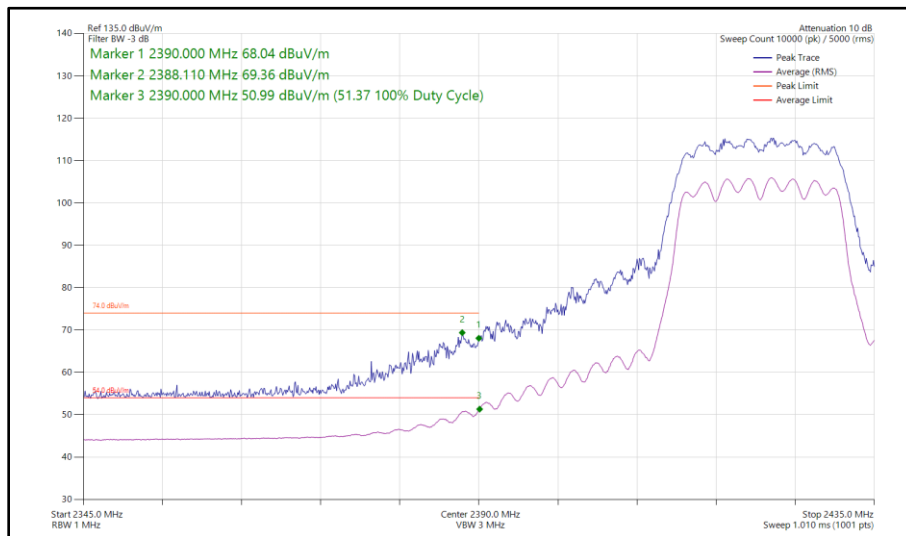
Table 9 - CDD Restricted Band Edge Results



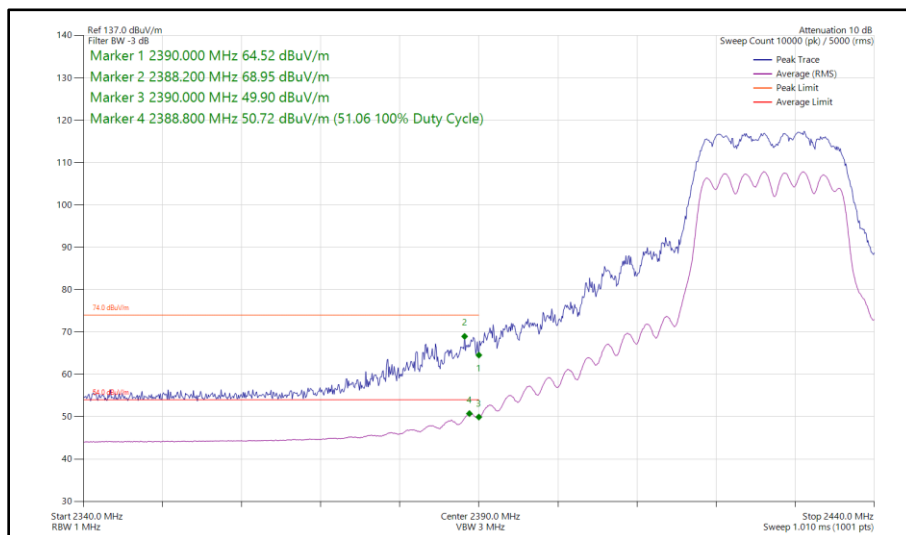
**Figure 87 - 802.11n HT20, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz**



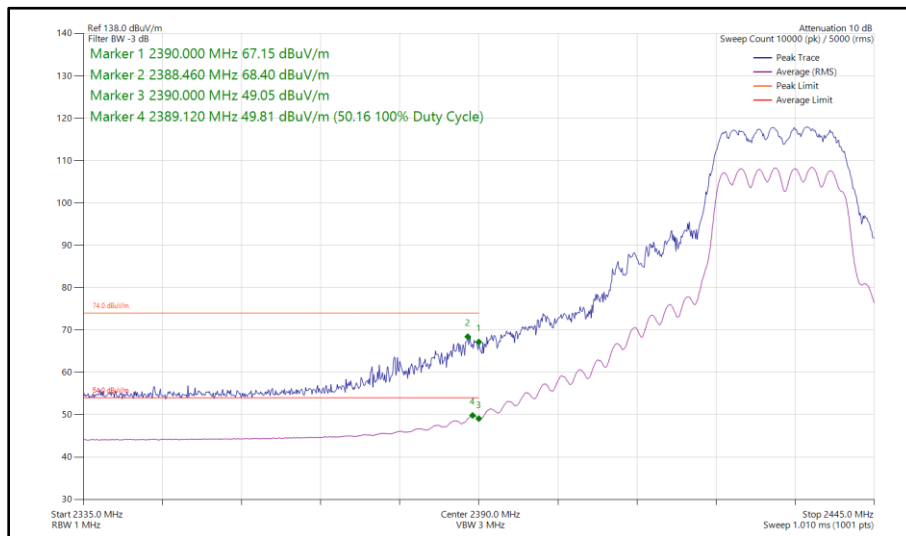
**Figure 88 - 802.11n HT20, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz**



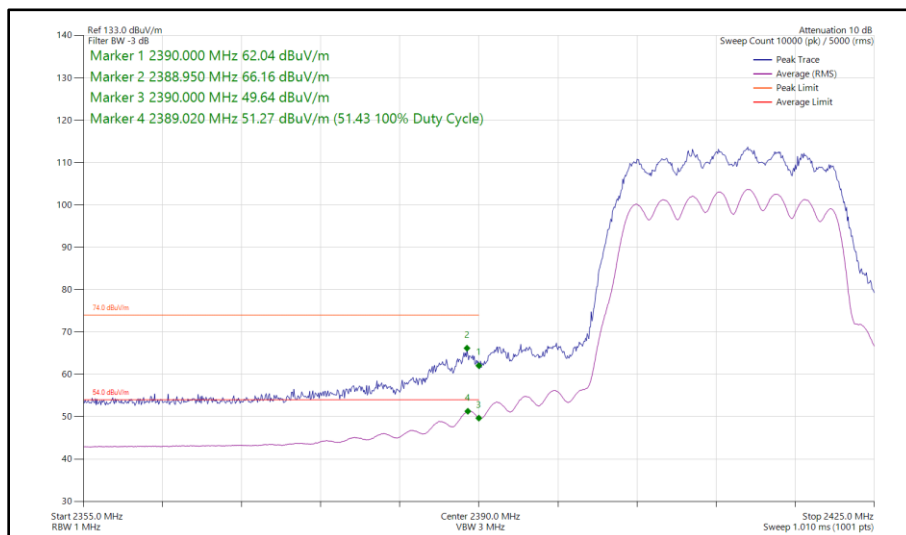
**Figure 89 - 802.11n HT20, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz**



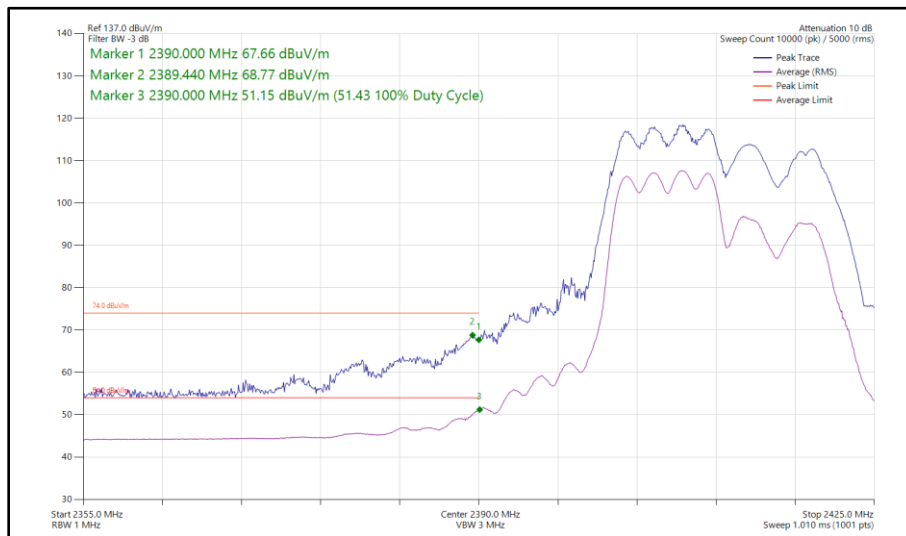
**Figure 90 - 802.11n HT20, CDD, Core 0 - Core 1 - 2427 MHz
Band Edge Frequency 2390 MHz**



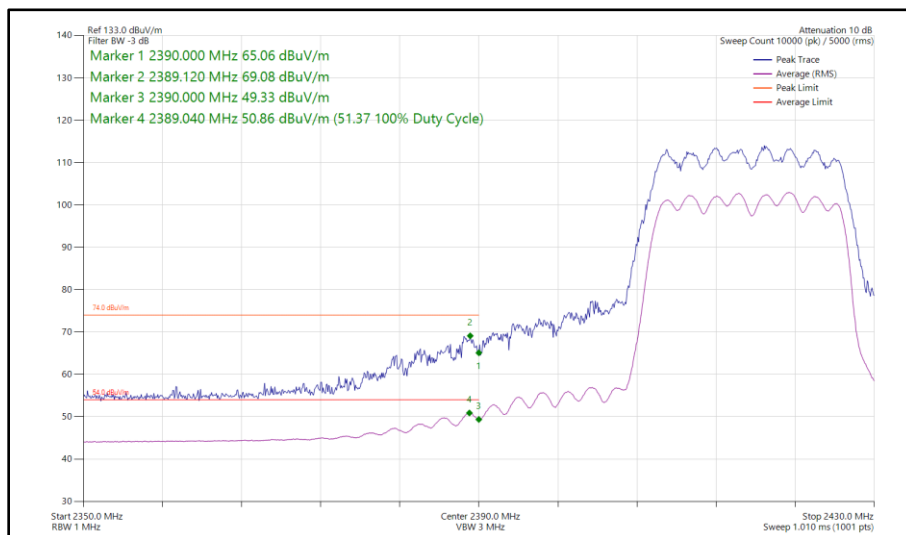
**Figure 91 - 802.11n HT20, CDD, Core 0 - Core 1 - 2432 MHz
Band Edge Frequency 2390 MHz**



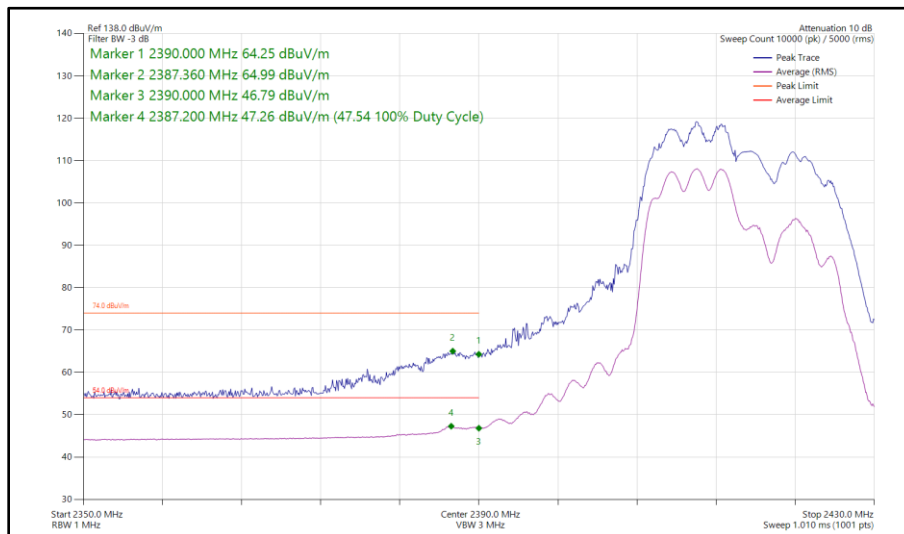
**Figure 92 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz**



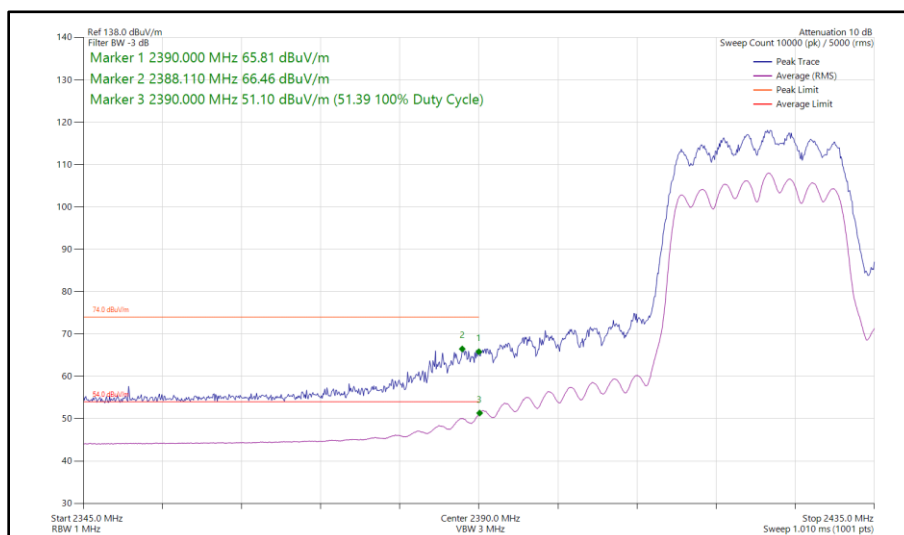
**Figure 93 - 802.11ax HE20, RU 106-53, CDD, Core 0 - Core 1 - 2412 MHz
Band Edge Frequency 2390 MHz**



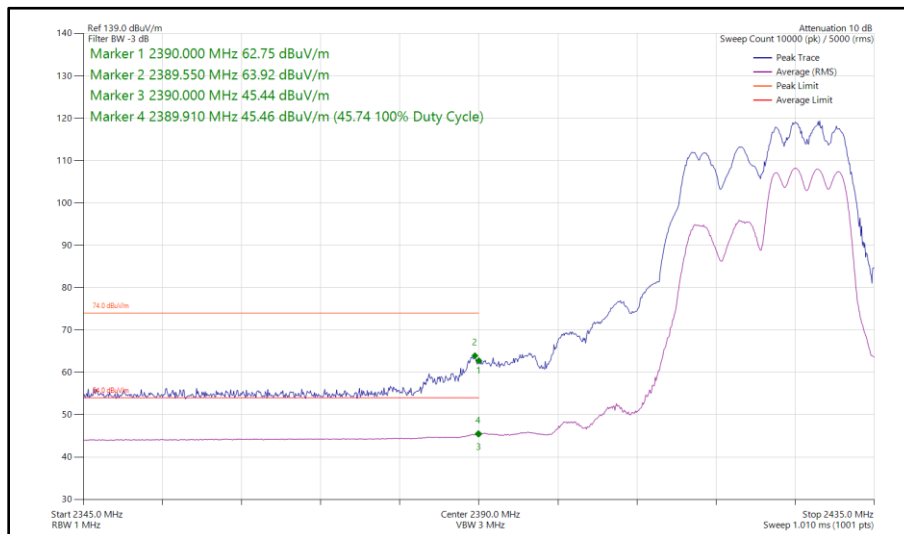
**Figure 94 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz**



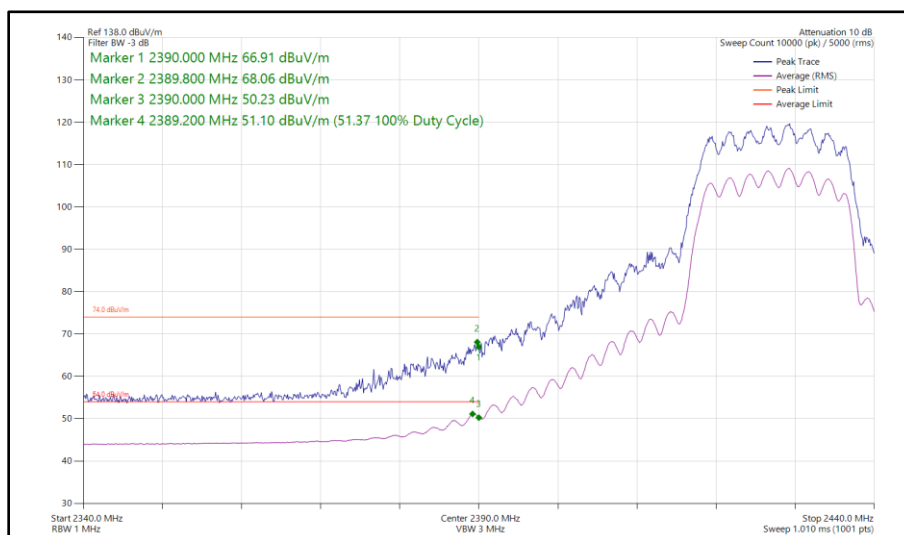
**Figure 95 - 802.11ax HE20, RU 106-53, CDD, Core 0 - Core 1 - 2417 MHz
Band Edge Frequency 2390 MHz**



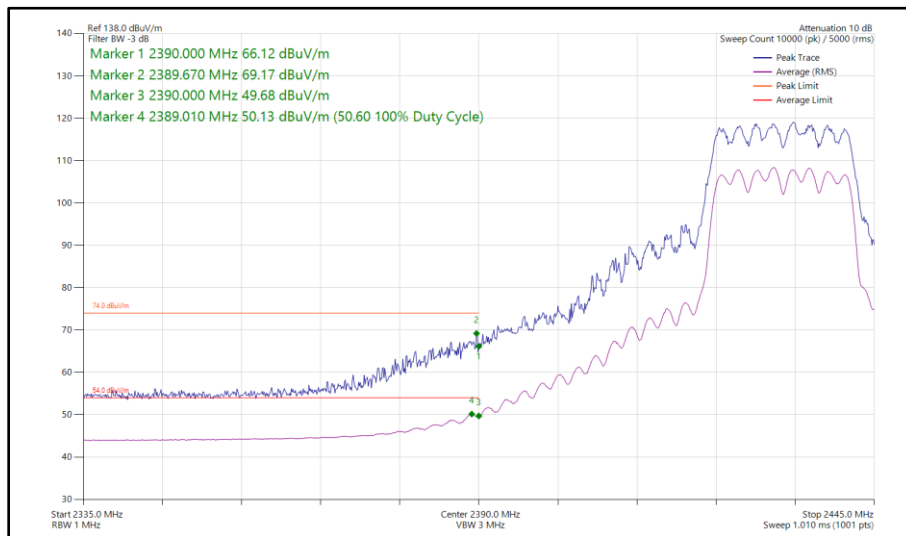
**Figure 96 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz**



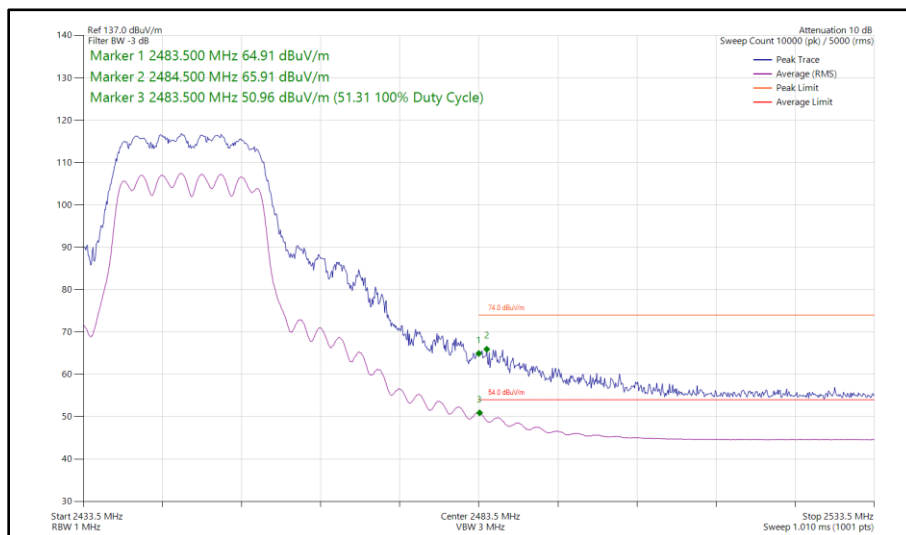
**Figure 97 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2422 MHz
Band Edge Frequency 2390 MHz**



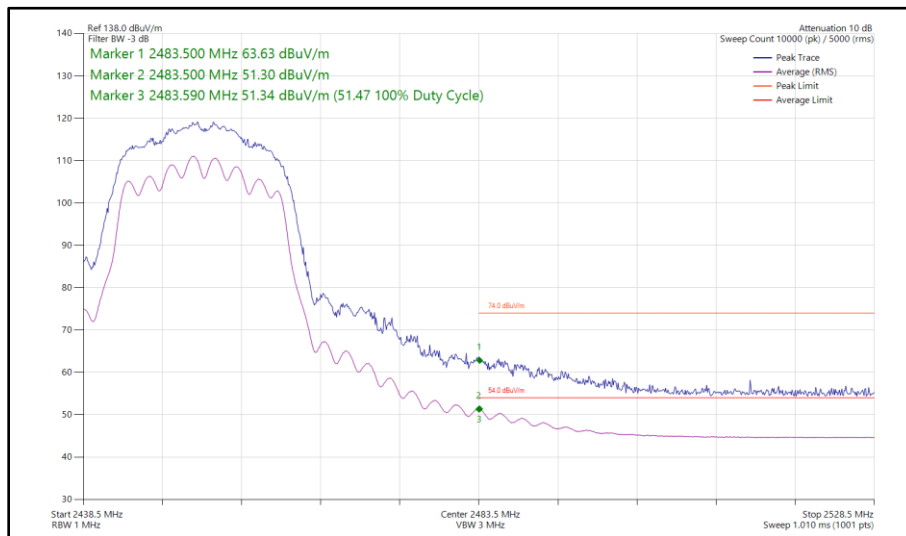
**Figure 98 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2427 MHz
Band Edge Frequency 2390 MHz**



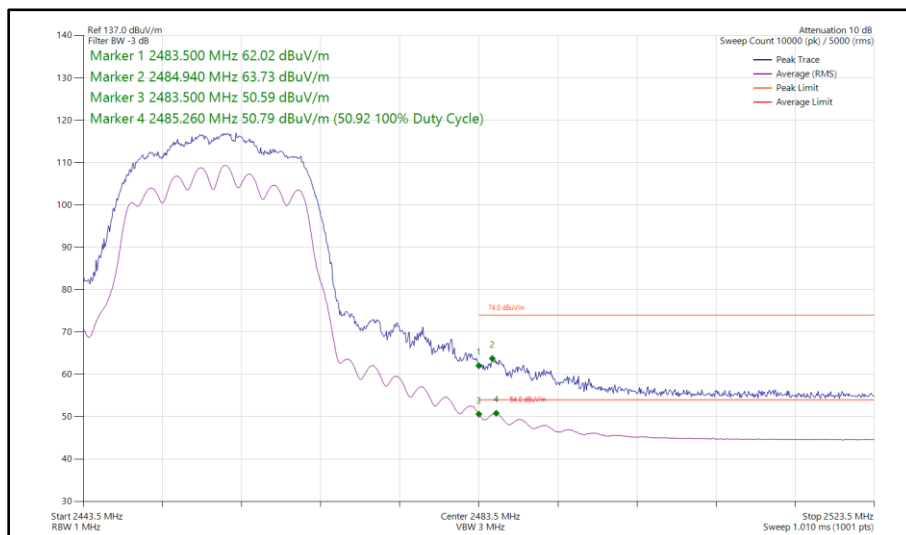
**Figure 99 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2432 MHz
Band Edge Frequency 2390 MHz**



**Figure 100 - 802.11n HT20, CDD, Core 0 - Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 101 - 802.11n HT20, CDD, Core 0 - Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 102 - 802.11n HT20, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**

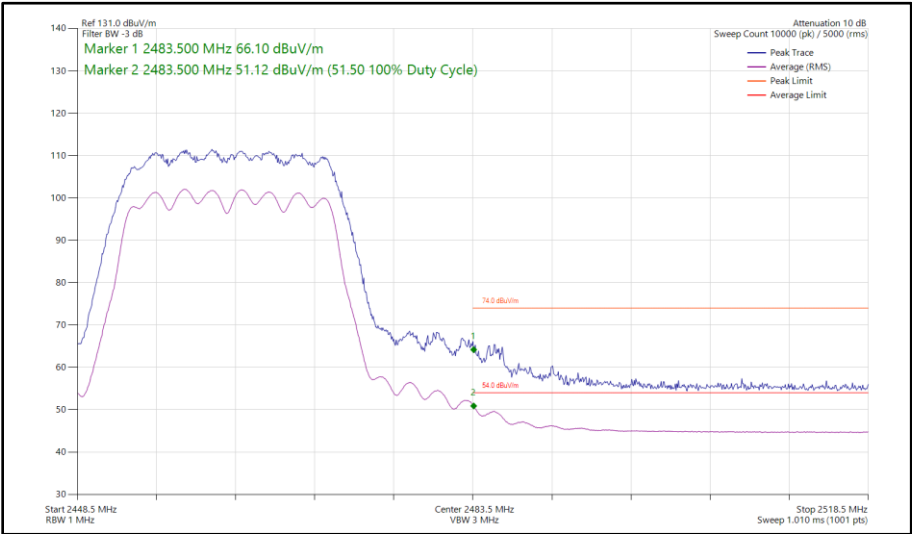


Figure 103 - 802.11n HT20, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz

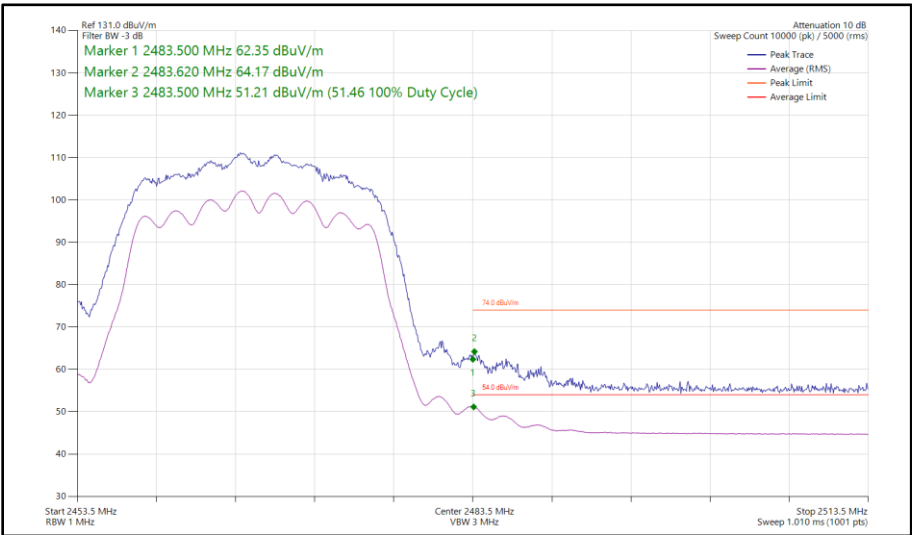
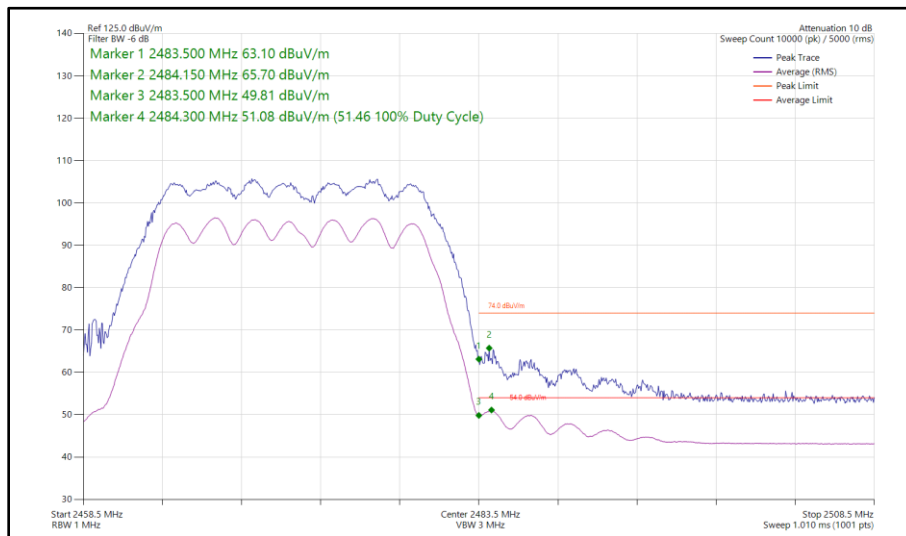
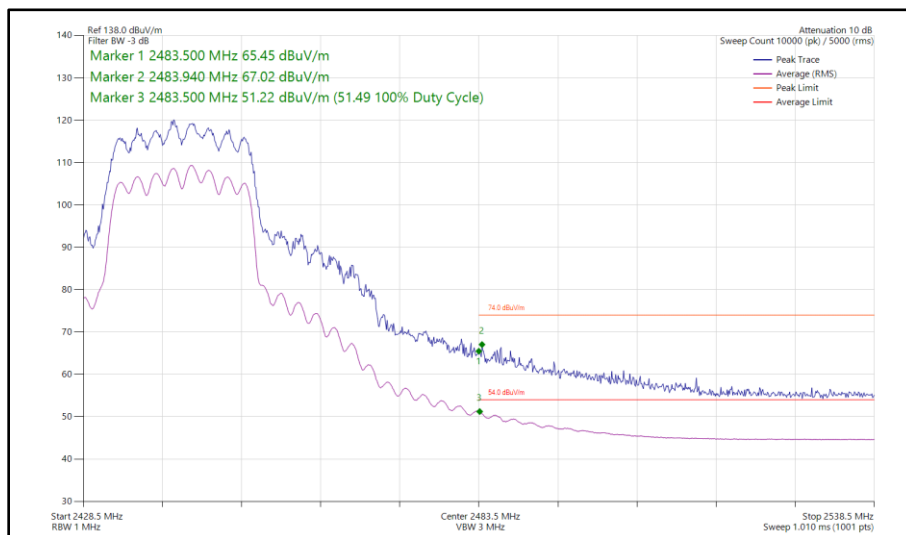


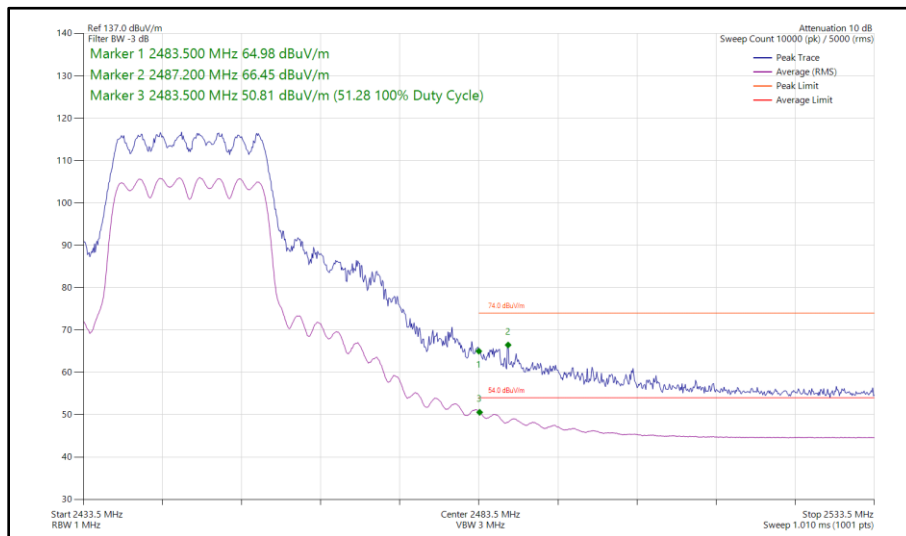
Figure 104 - 802.11n HT20, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz



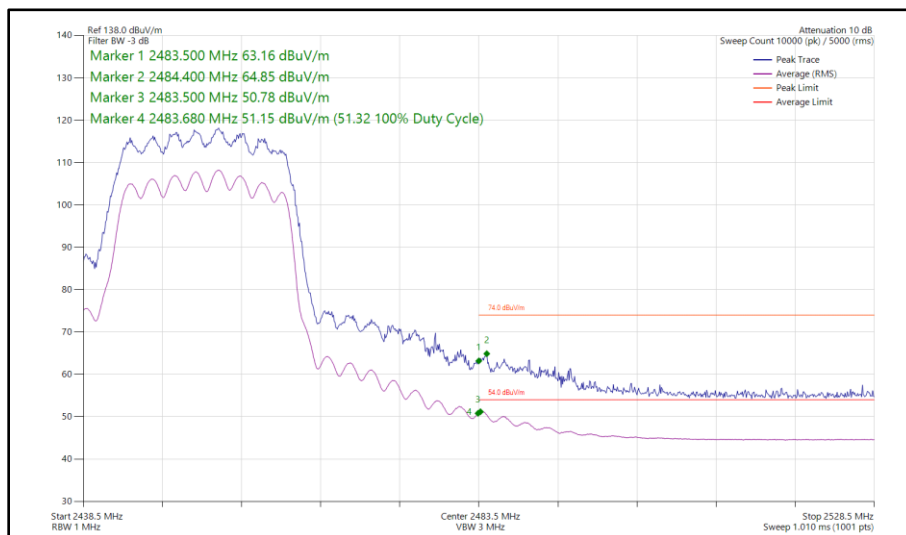
**Figure 105 - 802.11n HT20, CDD, Core 0 - Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



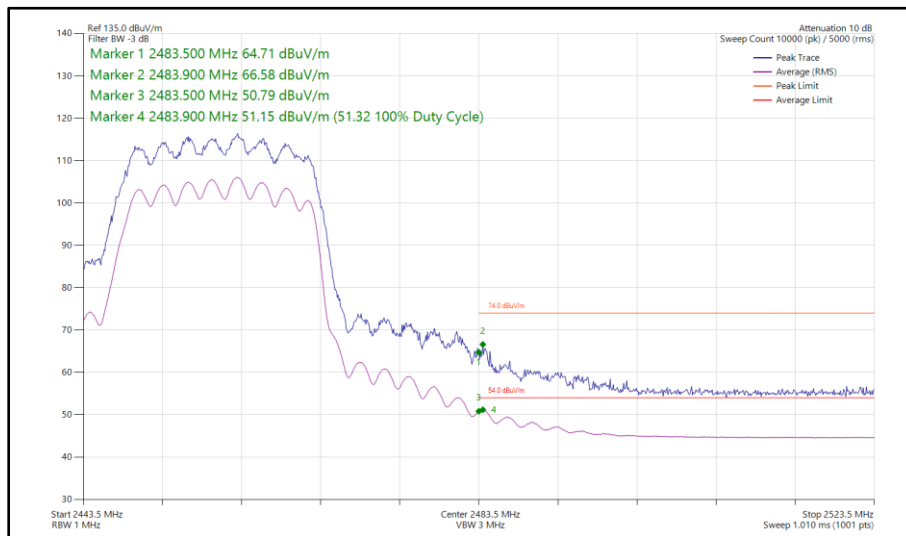
**Figure 106 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2442 MHz
Band Edge Frequency 2483.5 MHz**



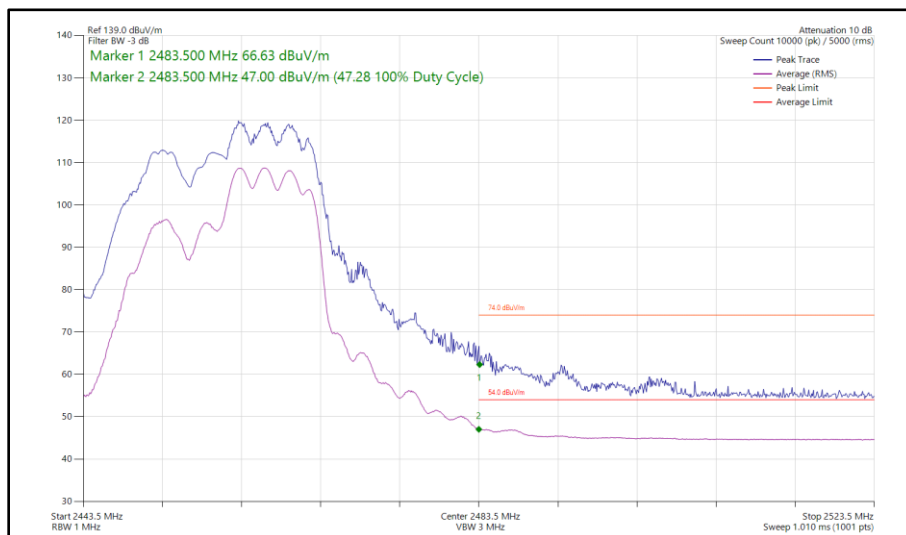
**Figure 107 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2447 MHz
Band Edge Frequency 2483.5 MHz**



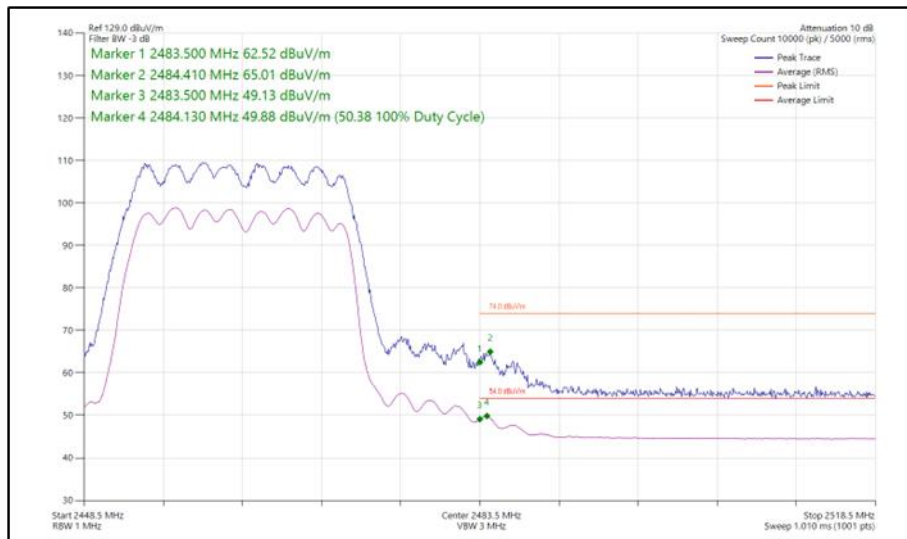
**Figure 108 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2452 MHz
Band Edge Frequency 2483.5 MHz**



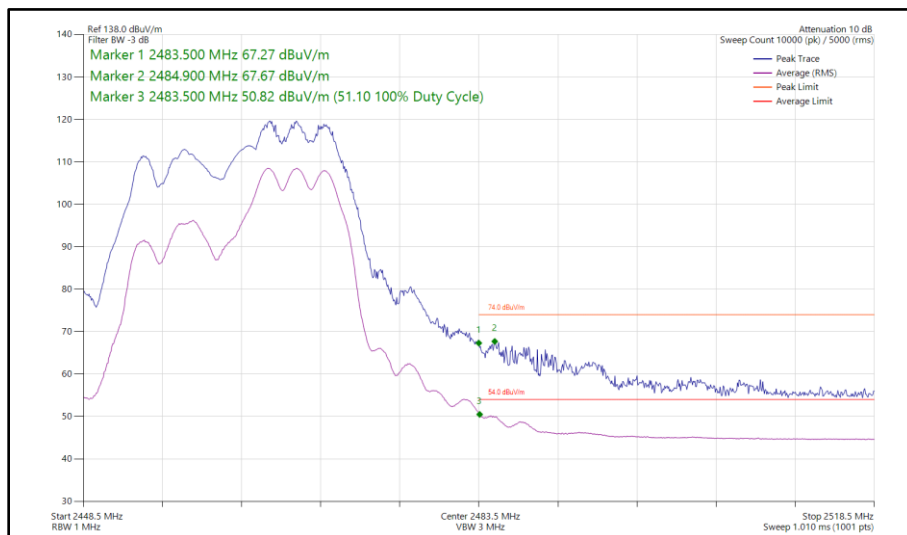
**Figure 109 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



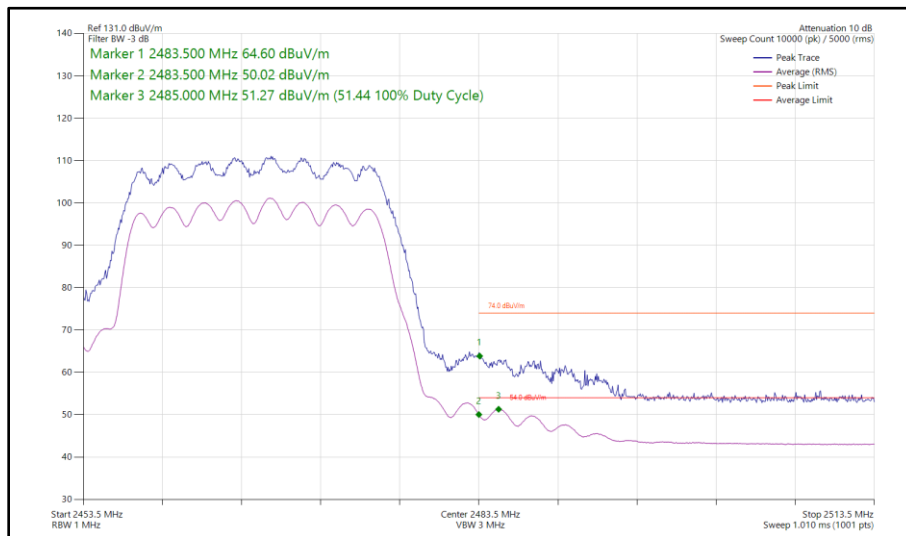
**Figure 110 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2457 MHz
Band Edge Frequency 2483.5 MHz**



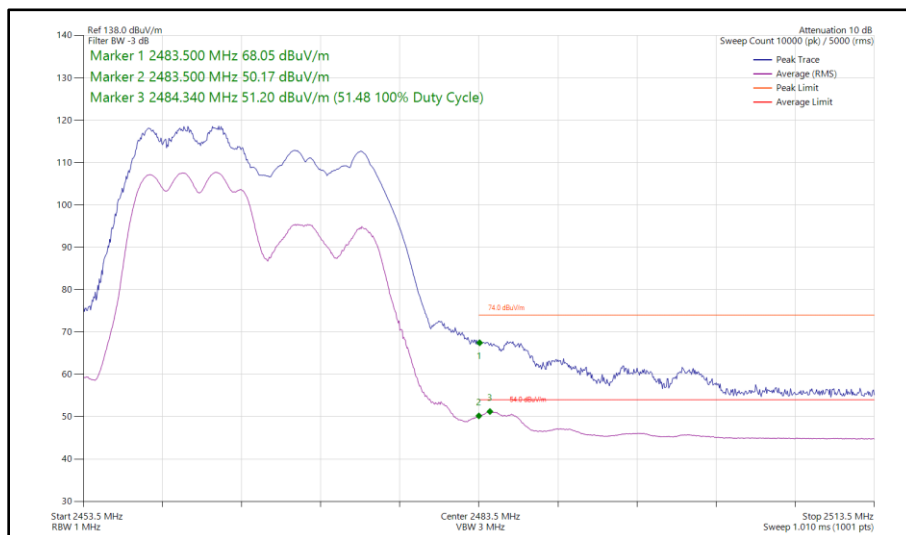
**Figure 111 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



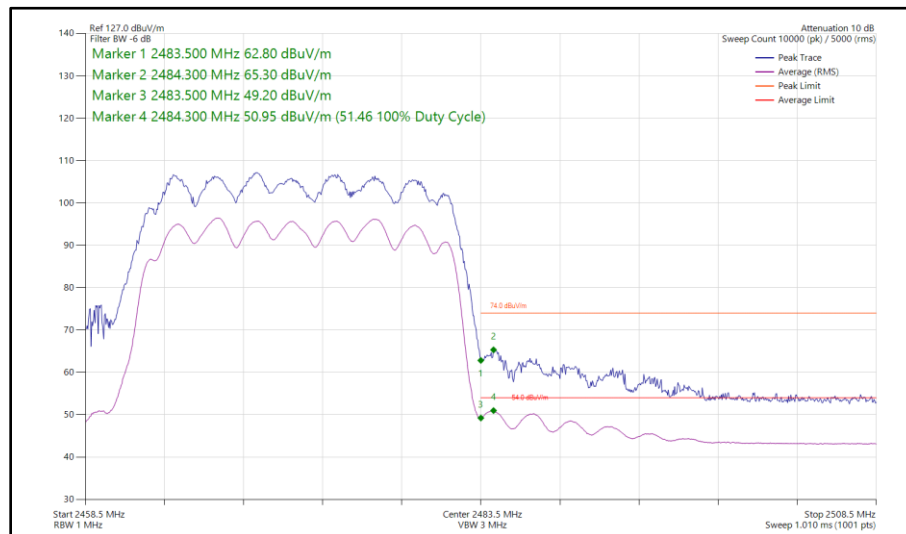
**Figure 112 - 802.11ax HE20, RU 106-54, CDD, Core 0 - Core 1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



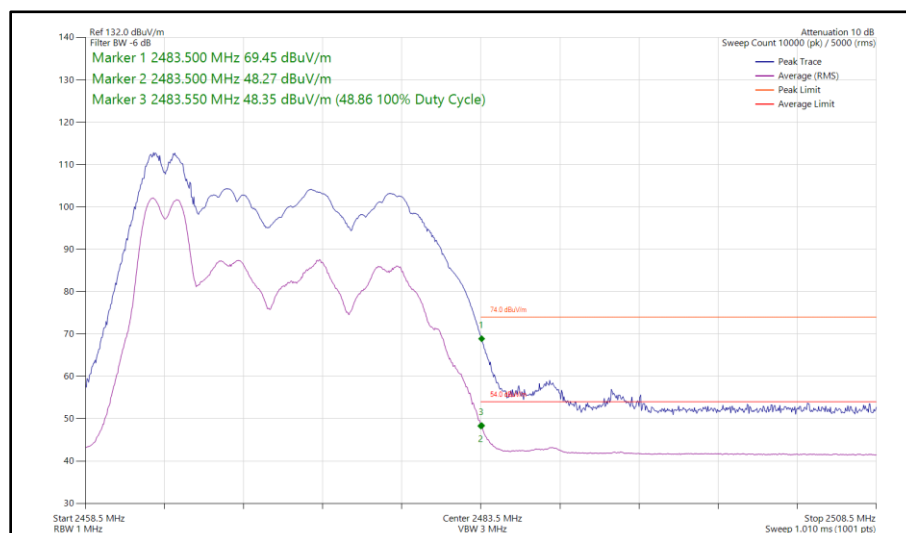
**Figure 113 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 114 - 802.11ax HE20, RU 106-53, CDD, Core 0 - Core 1 - 2467 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 115 - 802.11ax HE20, SU, CDD, Core 0 - Core 1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 116 - 802.11ax HE20, RU 26-0, 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 ($\mu\text{V/m}$ 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 ($\mu\text{V/m}$ 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 14 and RF Chamber 15.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.2.0	5125	-	Software
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	11-Sep-2024
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	05-Jul-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
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	5996	12	20-May-2025
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5997	12	14-Sep-2024
Cable (SMA to SMA 4.5m)	Junkosha	MWX221-04500AMSAMS/A	6002	12	14-Sep-2024
Cable (SMA to SMA 3m)	Junkosha	MWX221-03000AMSAMS/A	6021	12	14-Sep-2024
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	05-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	05-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	05-May-2025
Digital Multimeter	Fluke	115	6145	12	15-Jun-2024
Digital Multimeter	Fluke	115	6147	12	16-Jun-2024
Humidity & Temperature meter	R.S Components	1364	6148	12	21-Jul-2024
Humidity & Temperature meter	R.S Components	1364	6149	12	07-Jul-2024
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	22-Dec-2024
Cable (SMA to SMA 3m)	Junkosha	MWX221-03000AMSAMS/A	6316	12	04-Feb-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 12

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)
ISED RSS-247, Clause 5.2
ISED RSS-GEN, Clause 6.7

2.2.2 Equipment Under Test and Modification State

A3238, S/N: X5C43QCG7L - Modification State 0

2.2.3 Date of Test

23-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	21.5 °C
Relative Humidity	60.3 %

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	15.240	16.440
802.11n HT20	15.300	17.400
802.11ax HE20 SU	18.420	19.020

Table 13 - 6 dB Bandwidth Summary Results - SISO

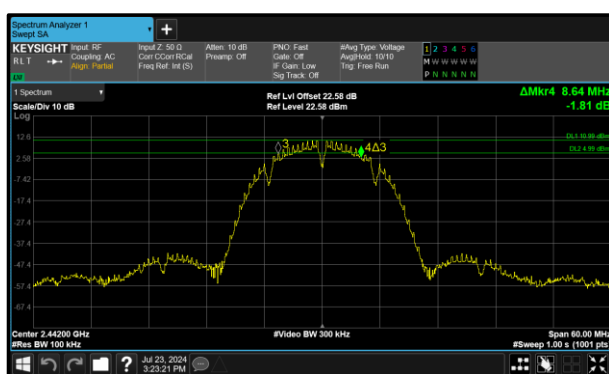


Figure 117 - 802.11b Minimum 6 dB EBW

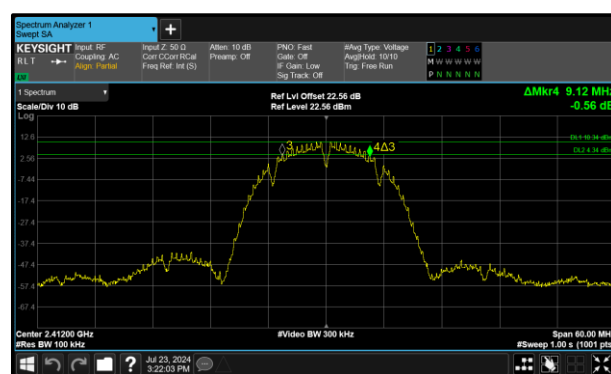


Figure 118 - 802.11b Maximum 6 dB EBW

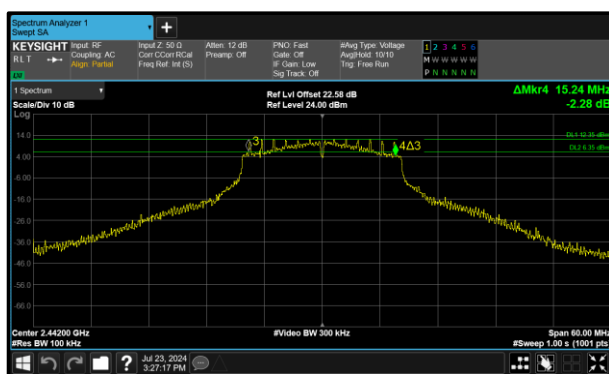


Figure 119 - 802.11g Minimum 6 dB EBW

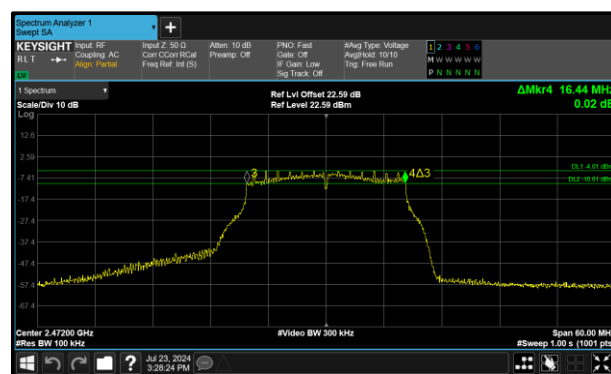


Figure 120 - 802.11g Maximum 6 dB EBW

