



80 MHz Bandwidth (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11ac VHT80, Core 0	MCS 4x1	-	-	5210	5150	63.19	50.94
802.11ax HE80, Core 0	MCS 11x1	SU	-	5210	5150	69.10	50.12
802.11ax HE80, Core 0	MCS 11x1	26	0	5210	5150	61.64	49.61
802.11ac VHT80, Core 0	MCS 4x1	-	-	5290	5350	63.25	51.43
802.11ax HE80, Core 0	MCS 4x1	SU	-	5290	5350	63.60	51.49
802.11ax HE80, Core 0	MCS 11x1	52	52	5290	5350	68.20	48.30
802.11ac VHT80, Core 0	MCS 4x1	-	-	5530	5460		51.18
802.11ax HE80, Core 0	MCS 4x1	SU	-	5530	5460		50.79
802.11ax HE80, Core 0	MCS 11x1	52	37	5530	5460		50.97

Table 11 - SISO Restricted Band Edge Results

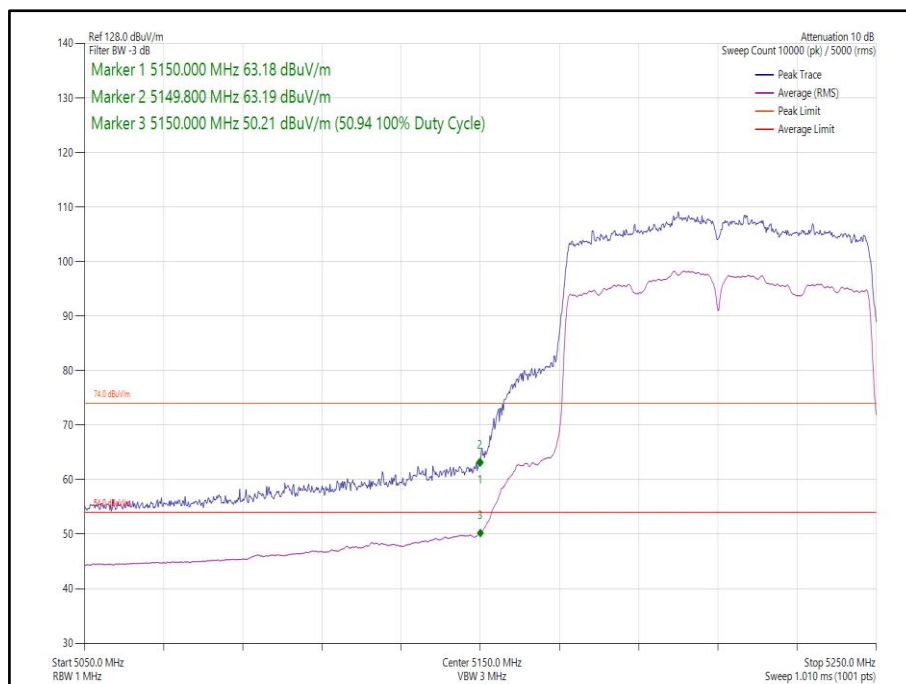


Figure 58 - 802.11ac VHT80, Core 0 - 5210 MHz, Band Edge Frequency 5150 MHz

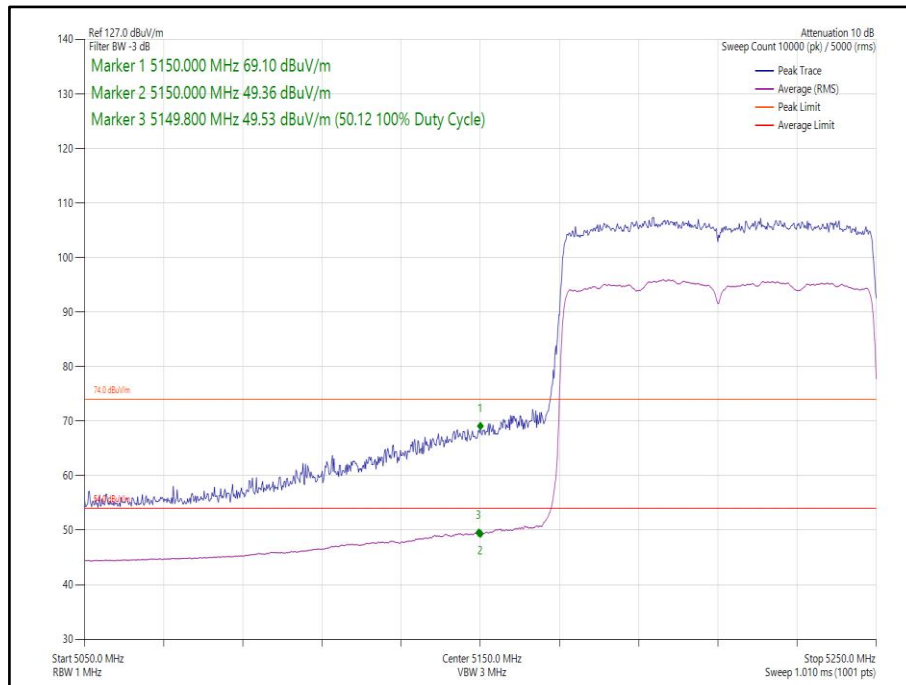


Figure 59 - 802.11ax HE80, Core 0, SU - 5210 MHz, Band Edge Frequency 5150 MHz

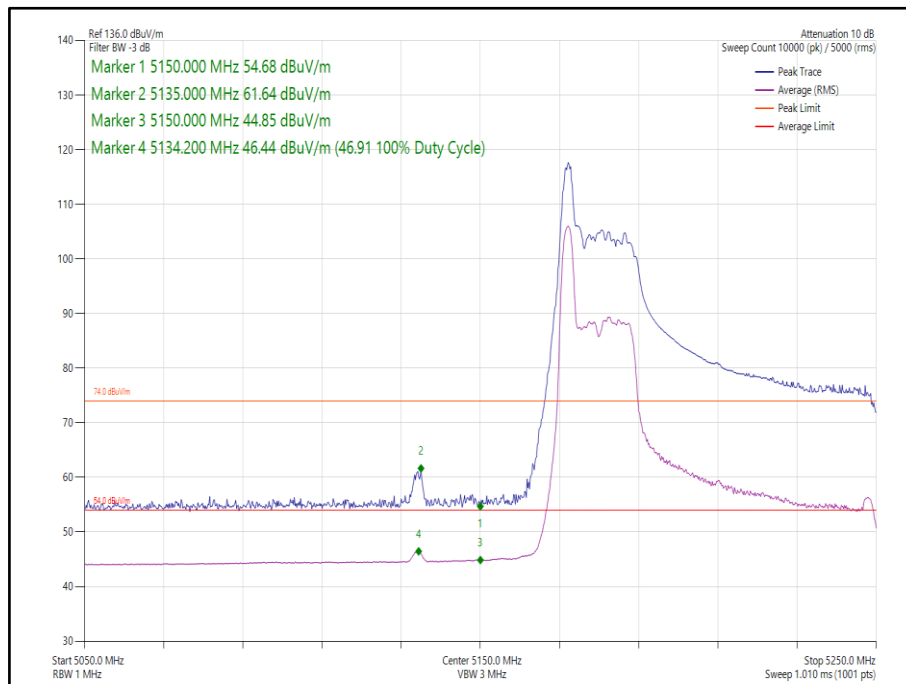


Figure 60 - 802.11ax HE80, Core 0, 26-0 - 5210 MHz, Band Edge Frequency 5150 MHz

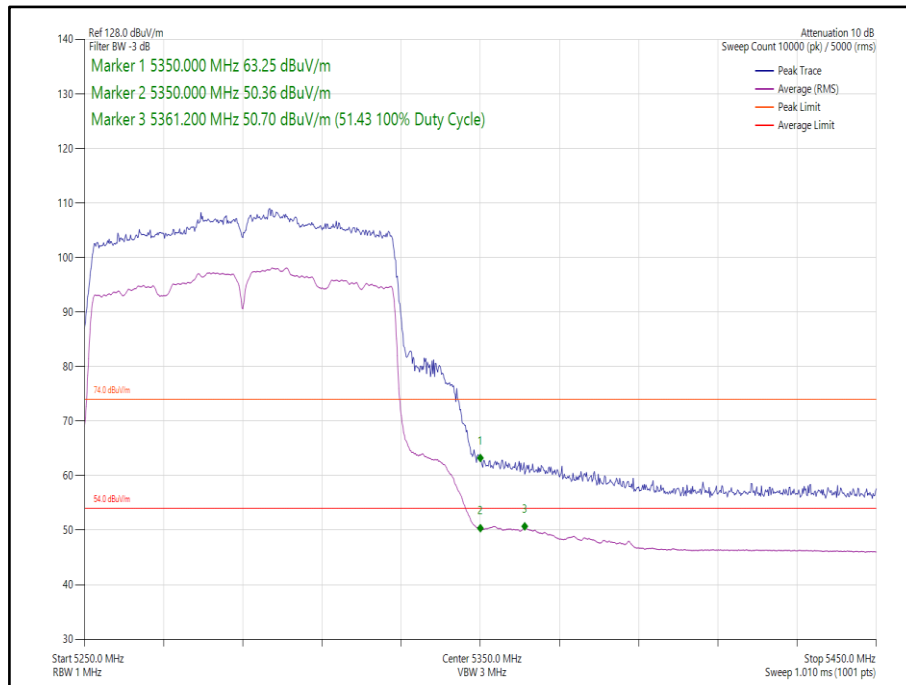


Figure 61 - 802.11ac VHT80, Core 0 - 5290 MHz, Band Edge Frequency 5350 MHz

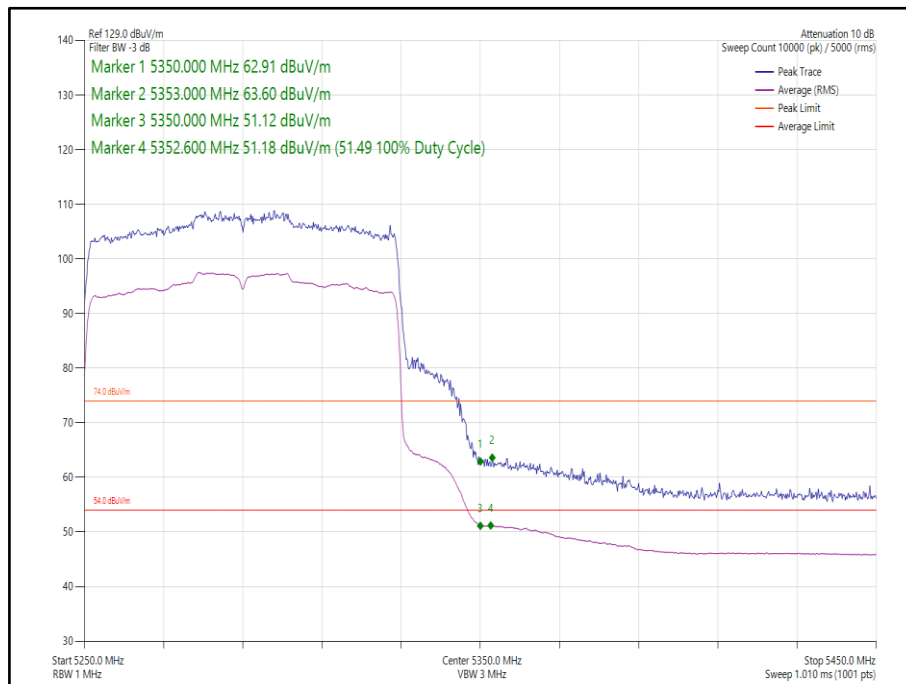


Figure 62 - 802.11ax HE80, Core 0, SU - 5290 MHz, Band Edge Frequency 5350 MHz

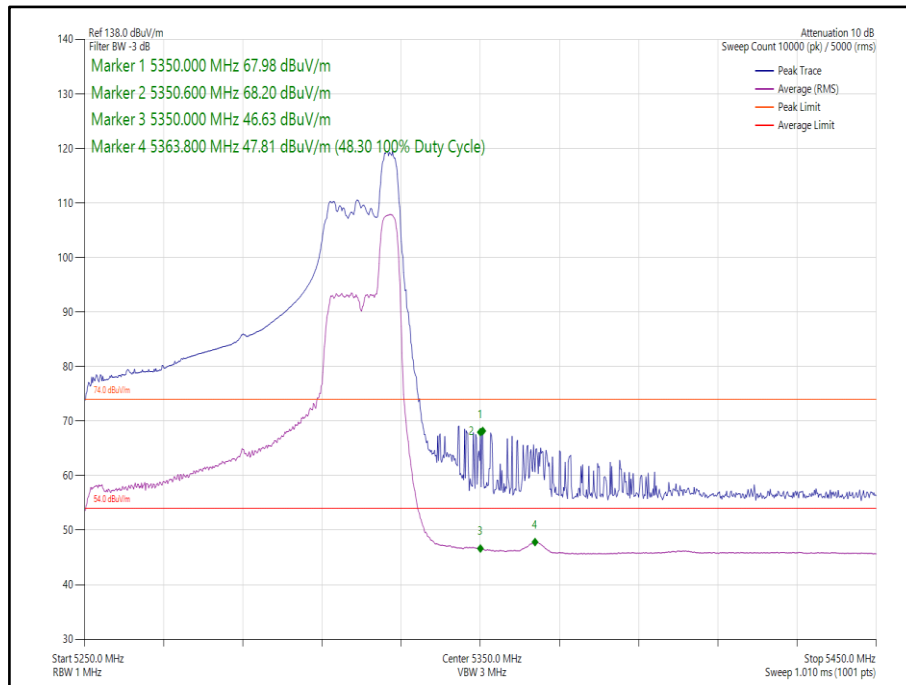


Figure 63 - 802.11ax HE80, Core 0, 52-52 - 5290 MHz, Band Edge Frequency 5350 MHz

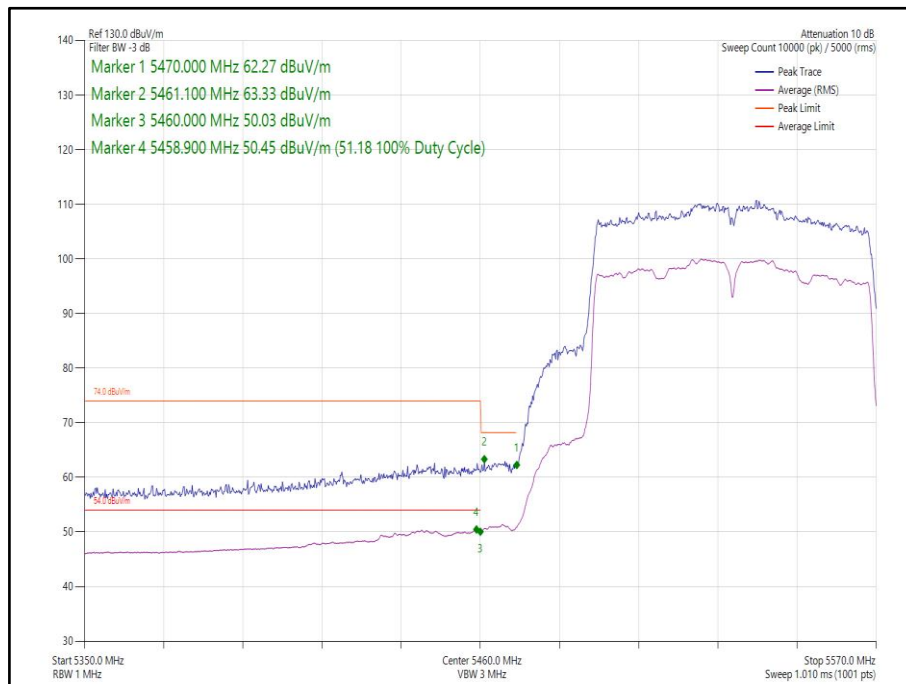


Figure 64 - 802.11ac VHT80, Core 0 - 5530 MHz, Band Edge Frequency 5460 MHz

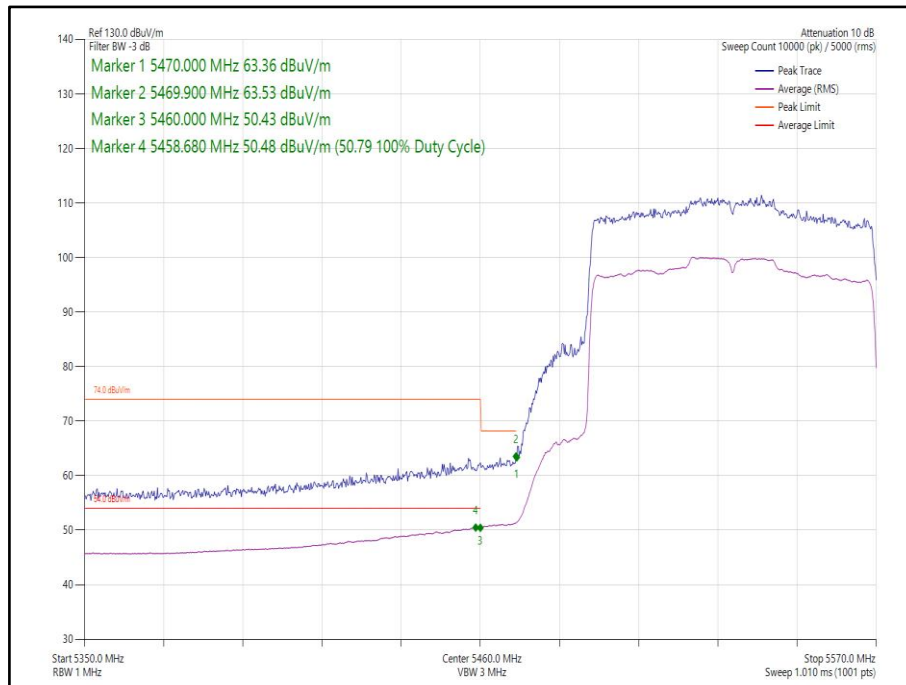


Figure 65 - 802.11ax HE80, Core 0, SU - 5530 MHz, Band Edge Frequency 5490 MHz

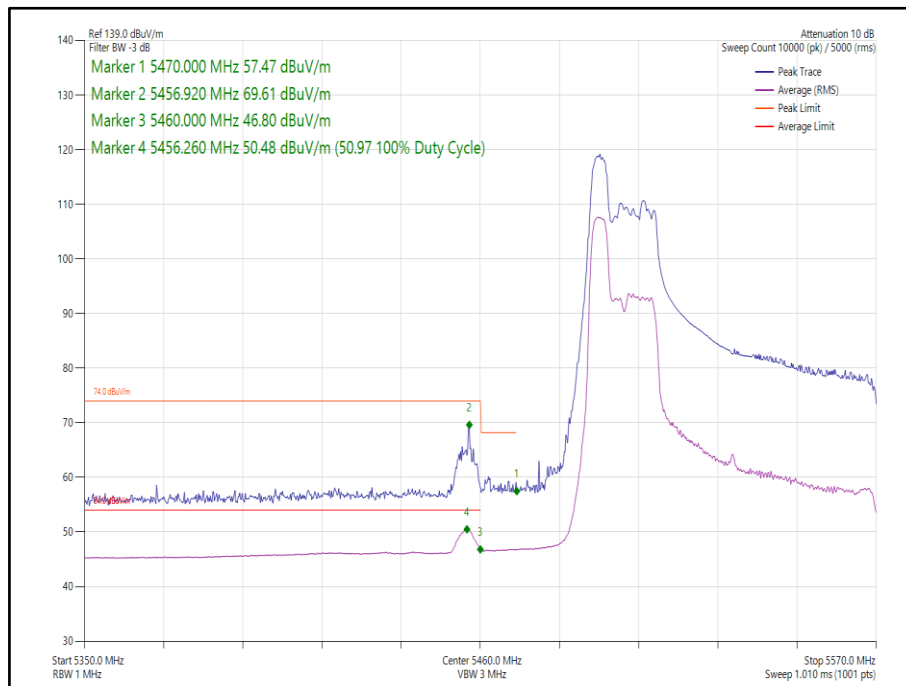


Figure 66 - 802.11ax HE80, Core 0, 52-37 - 5530 MHz, Band Edge Frequency 5350 MHz



80 MHz Bandwidth (2TX MIMO)

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 VHT80 CDD, Cores 0-1	MCS 2x1	-	-	5210	5150	62.67	51.07
802.11ac VHT80 SDM, Cores 0-1	MCS 8x2	-	-	5210	5150	68.39	51.45
802.11ax HE80 CDD, Cores 0-1	MCS 4x1	SU	-	5210	5150	62.65	51.39
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	26	0	5210	5150	62.97	47.84
802.11ax HE80 SDM, Cores 0-1	MCS 4x2	SU	-	5210	5150	63.60	51.17
802.11ax HE80 SDM, Cores 0-1	MCS 11x2	26	0	5210	5150	63.49	48.22
802.11ac VHT80 CDD, Cores 0-1	MCS 2x1	-	-	5290	5350	62.91	51.30
802.11ac VHT80 SDM, Cores 0-1	MCS 2x2	-	-	5290	5350	62.73	51.33
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	SU	-	5290	5350	65.05	51.50
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	52	52	5290	5350	68.91	50.70
802.11ax HE80 SDM, Cores 0-1	MCS 2x2	SU	-	5290	5350	62.87	51.28
802.11ax HE80 SDM, Cores 0-1	MCS 11x2	52	52	5290	5350	68.21	49.83
802.11ac VHT80 CDD, Cores 0-1	MCS 4x1	-	-	5530	5460	-	51.35
802.11ac VHT80 SDM, Cores 0-1	MCS 8x2	-	-	5530	5460	-	51.36
802.11ax HE80 CDD, Cores 0-1	MCS 2x1	SU	-	5530	5460	-	51.05
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	52	37	5530	5460	-	51.00
802.11ax HE80 SDM, Cores 0-1	MCS 4x2	SU	-	5530	5460	-	51.05
802.11ax HE80 SDM, Cores 0-1	MCS 11x2	52	37	5530	5460	-	51.21

Table 12 - MIMO 2TX Restricted Band Edge Results

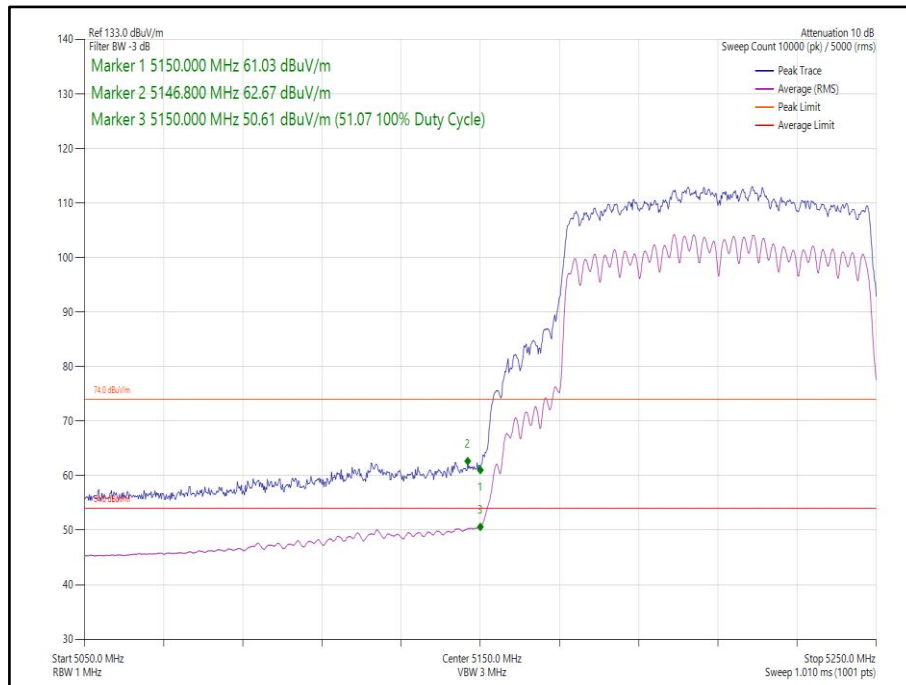


Figure 67 - 802.11ac VHT80 CDD, Cores 0-1- 5210 MHz, Band Edge Frequency 5150 MHz

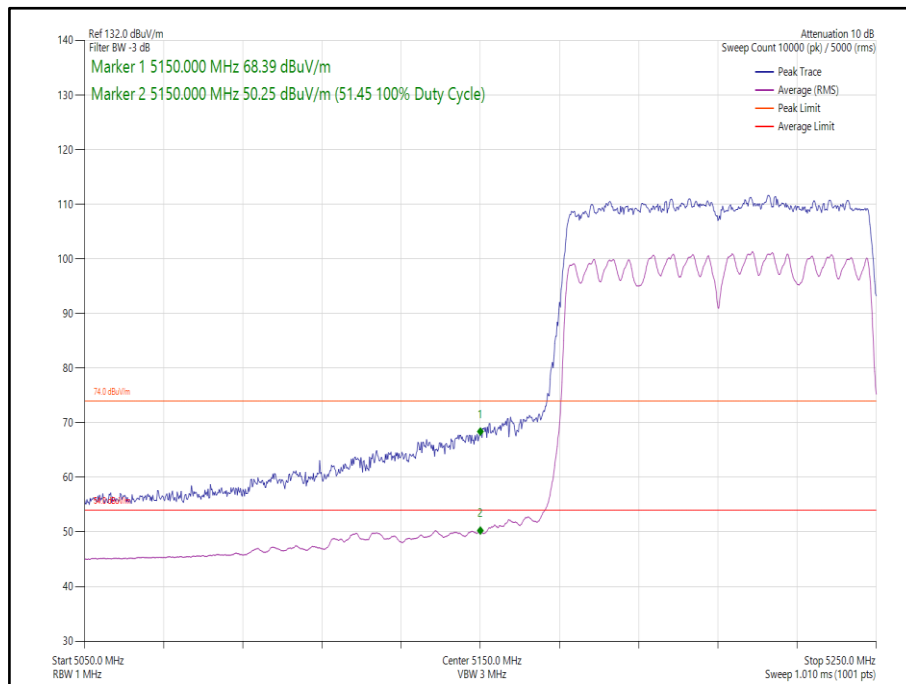


Figure 68 - 802.11ac VHT80 SDM, Cores 0-1- 5210 MHz, Band Edge Frequency 5150 MHz

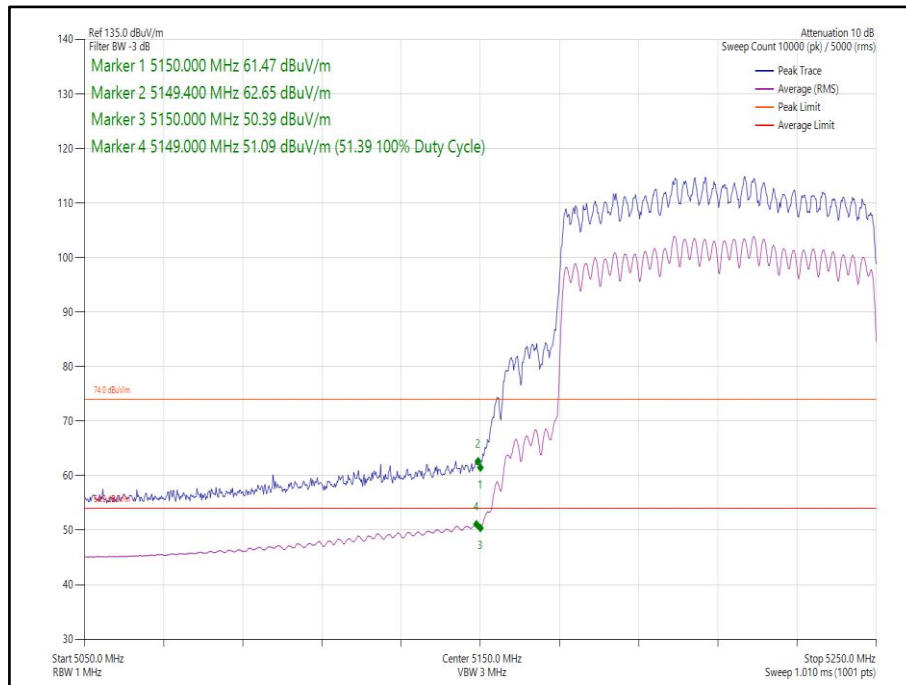


Figure 69 - 802.11ax HE80 CDD, Cores 0-1, SU - 5210 MHz, Band Edge Frequency 5150 MHz

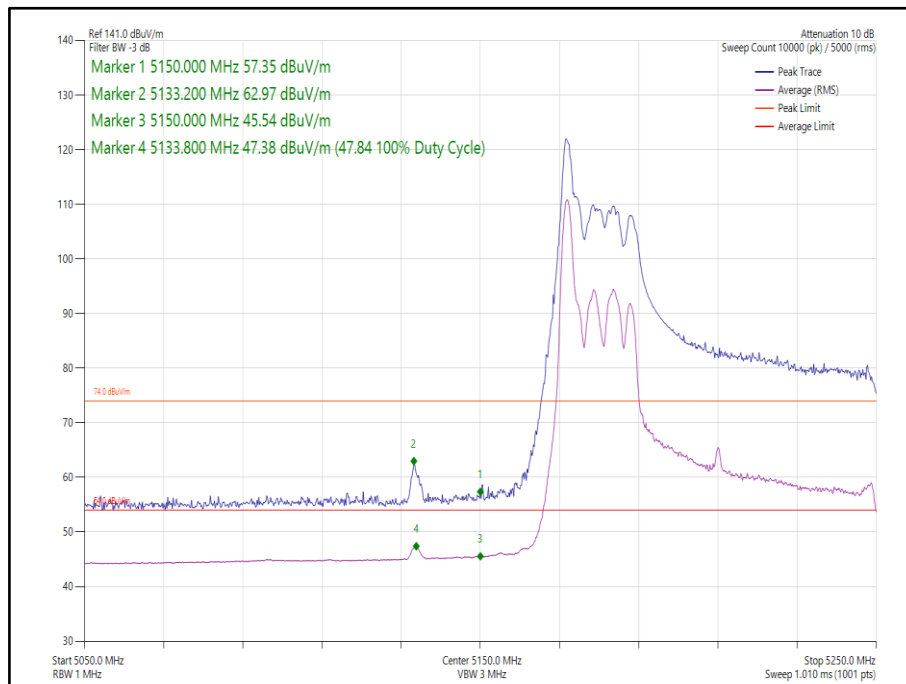


Figure 70 - 802.11ax HE80 CDD, Cores 0-1, 26-0 - 5210 MHz, Band Edge Frequency 5150 MHz

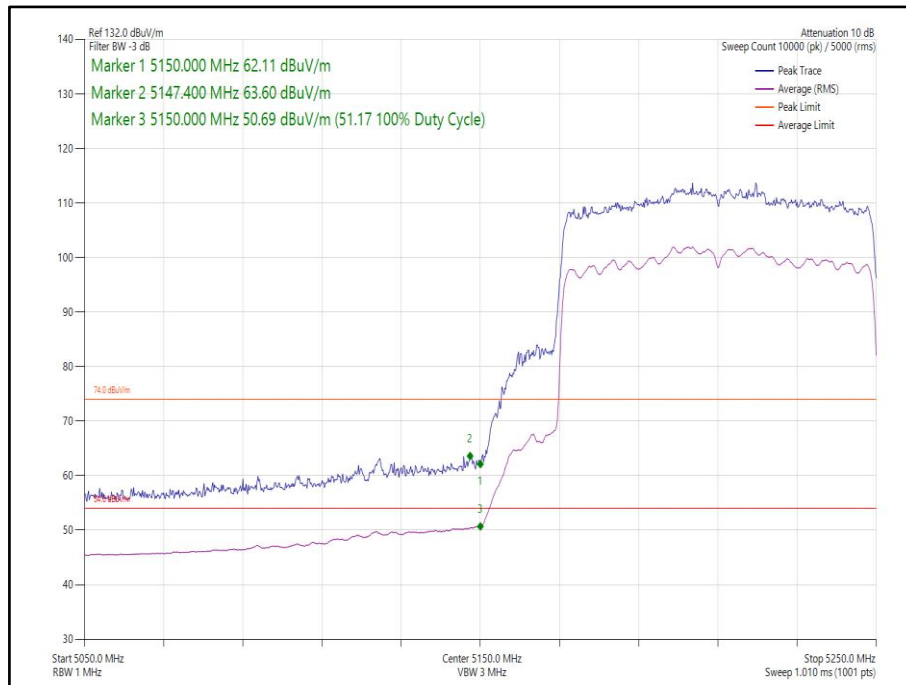


Figure 71 - 802.11ax HE80 SDM, Cores 0-1, SU - 5210 MHz, Band Edge Frequency 5150 MHz

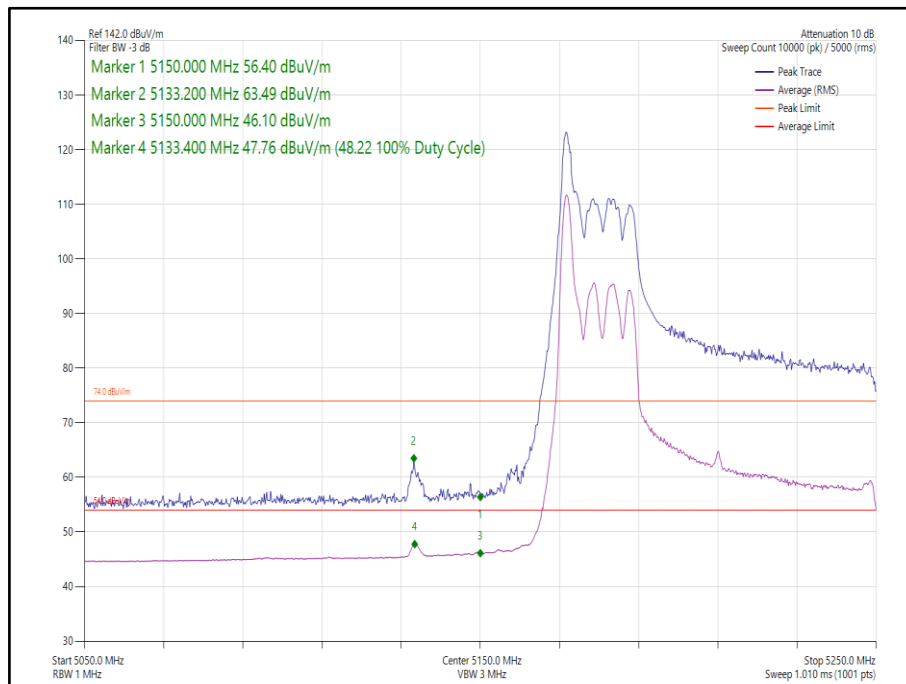


Figure 72 - 802.11ax HE80 SDM, Cores 0-1, 26-0 - 5210 MHz, Band Edge Frequency 5150 MHz

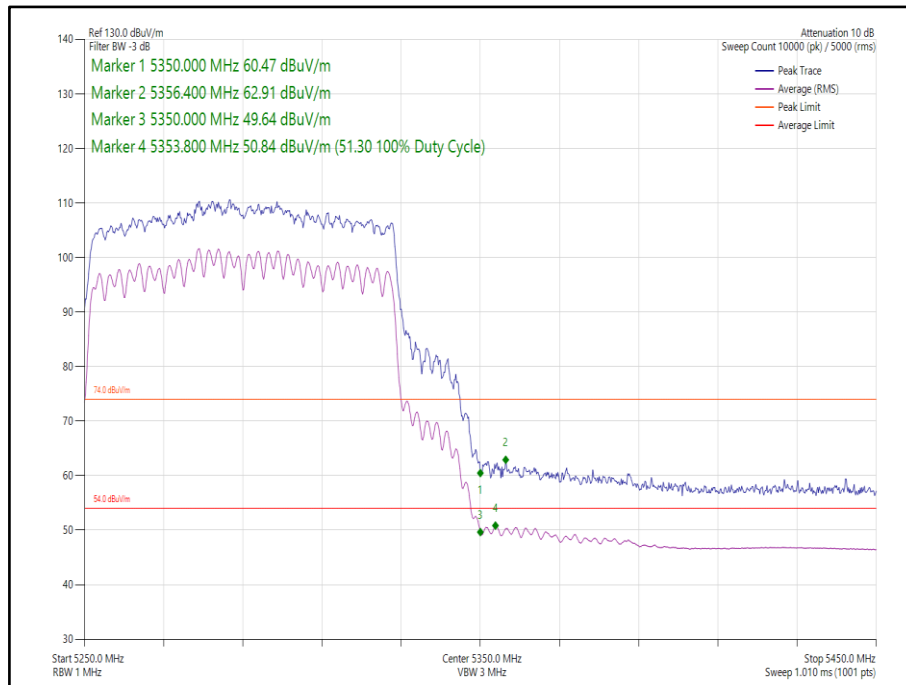


Figure 73 - 802.11ac VHT80 CDD, Cores 0-1- 5290 MHz, Band Edge Frequency 5350 MHz

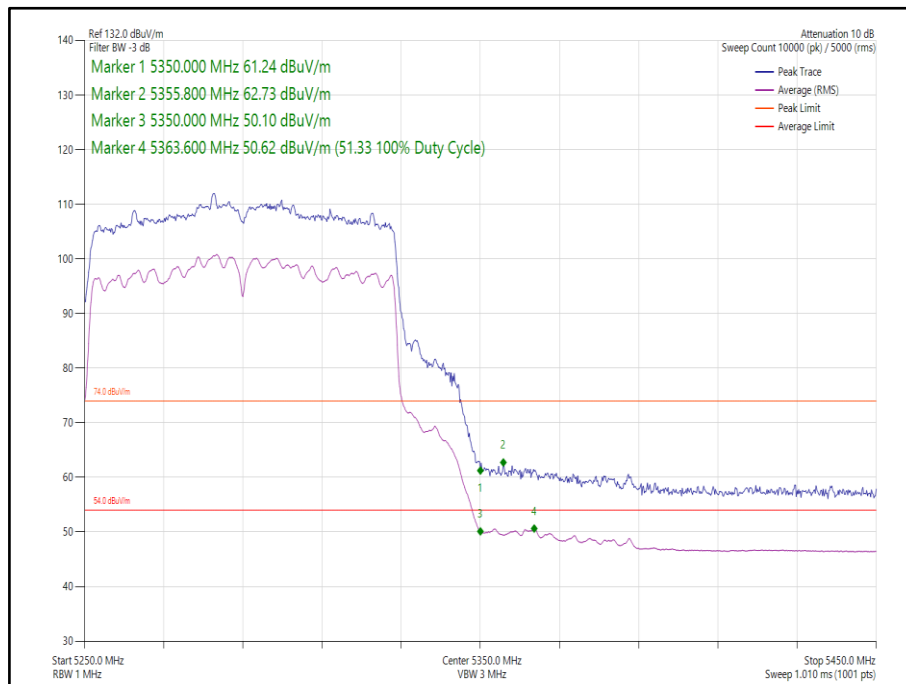


Figure 74 - 802.11ac VHT80 SDM, Cores 0-1- 5290 MHz, Band Edge Frequency 5350 MHz

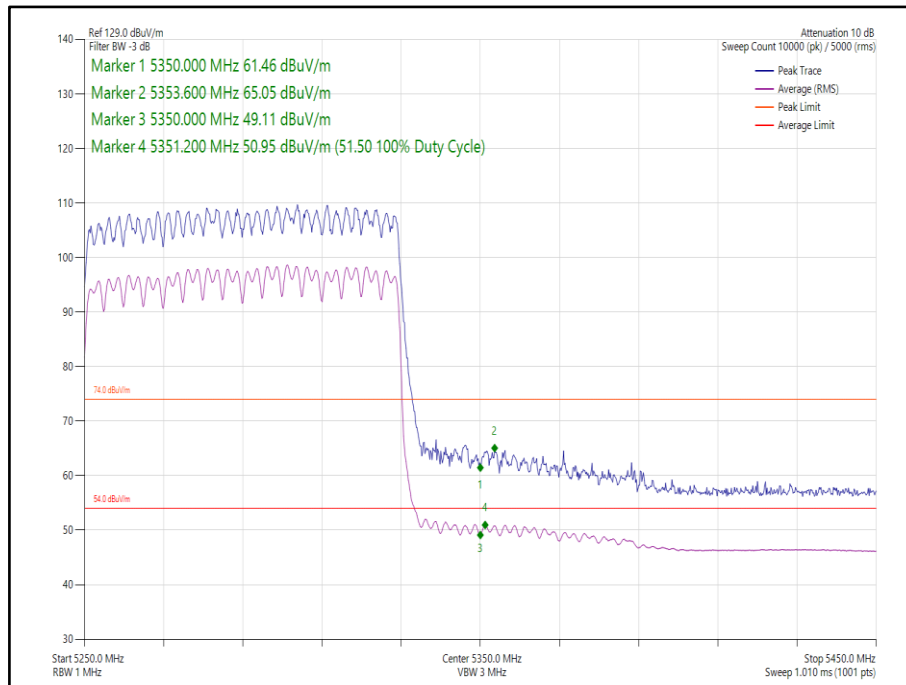


Figure 75 - 802.11ax HE80 CDD, Cores 0-1, SU - 5290 MHz, Band Edge Frequency 5350 MHz

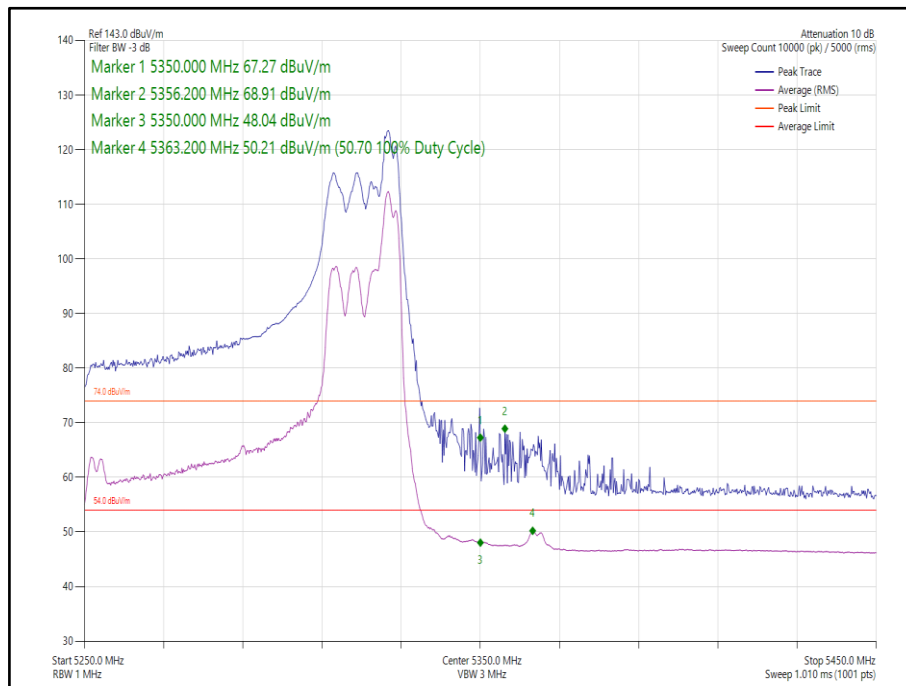


Figure 76 - 802.11ax HE80 CDD, Cores 0-1, 52-52- 5290 MHz, Band Edge Frequency 5350 MHz

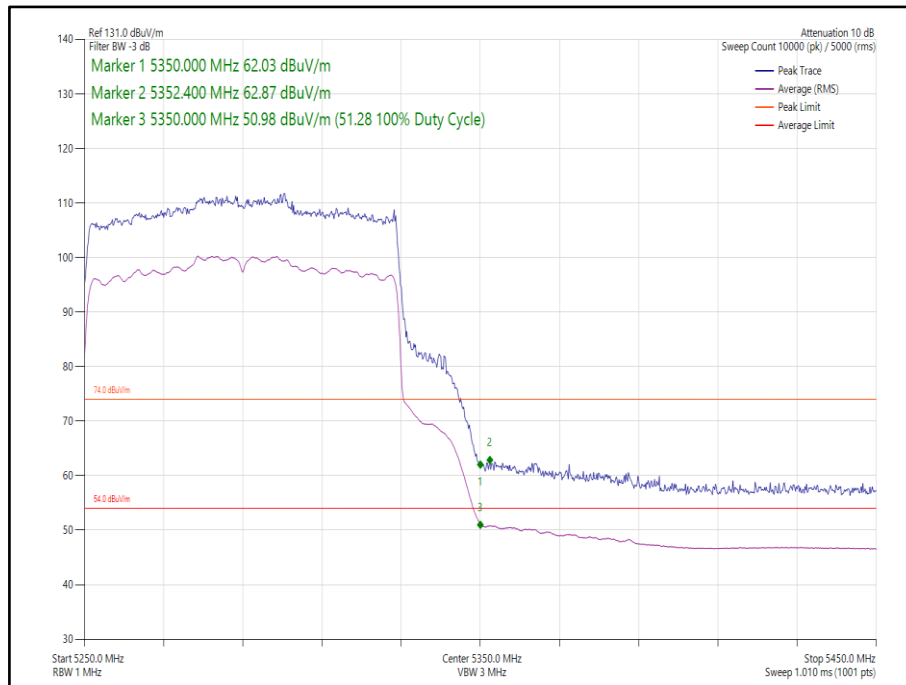


Figure 77 - 802.11ax HE80 SDM, Cores 0-1, SU - 5290 MHz, Band Edge Frequency 5350 MHz

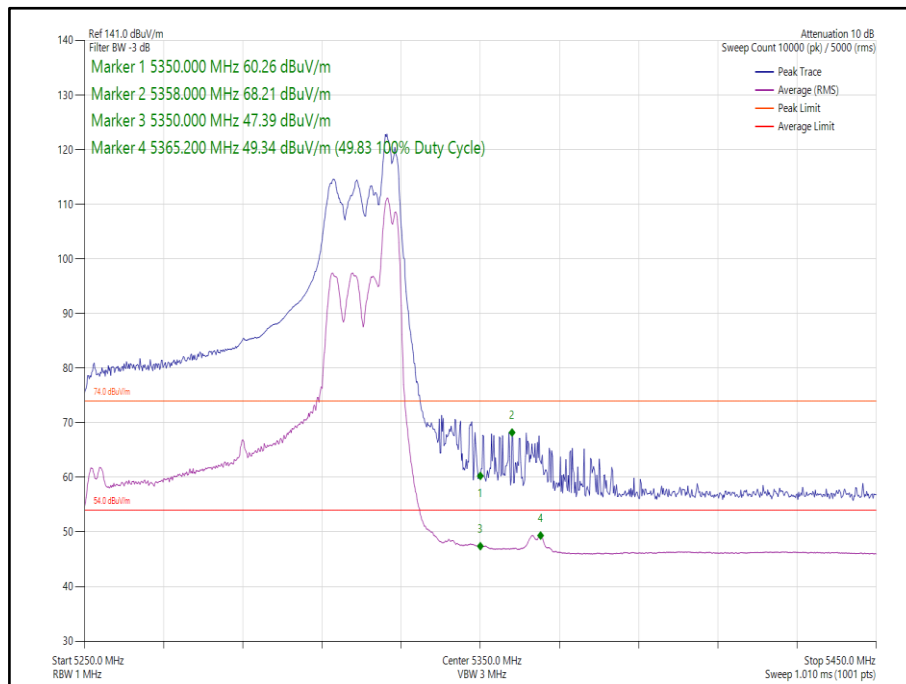


Figure 78 - 802.11ax HE80 SDM, Cores 0-1, 52-52- 5290 MHz, Band Edge Frequency 5350 MHz

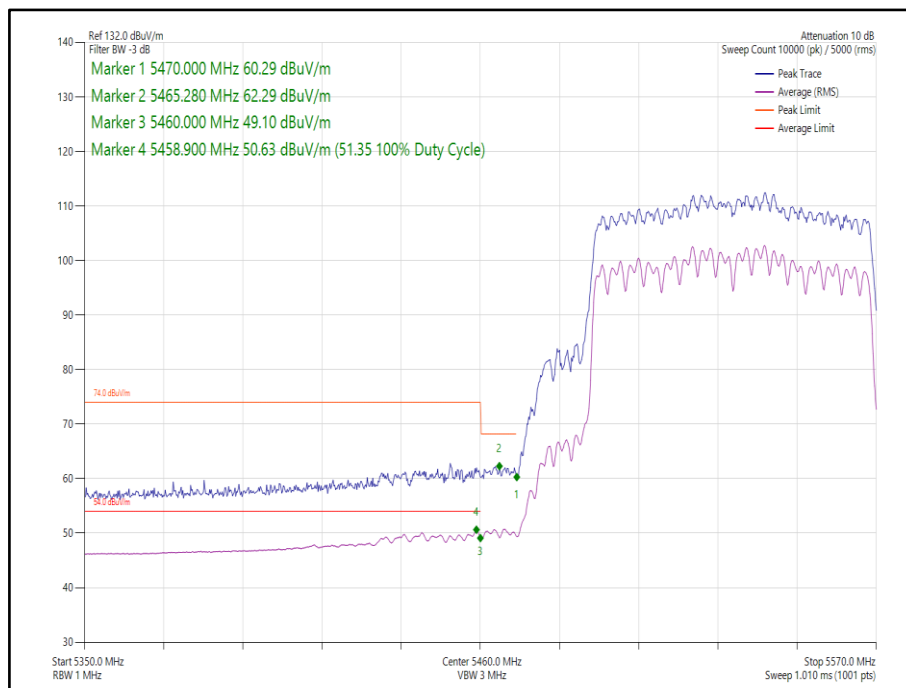


Figure 79 - 802.11ac VHT80 CDD, Cores 0-1- 5530 MHz, Band Edge Frequency 5460 MHz

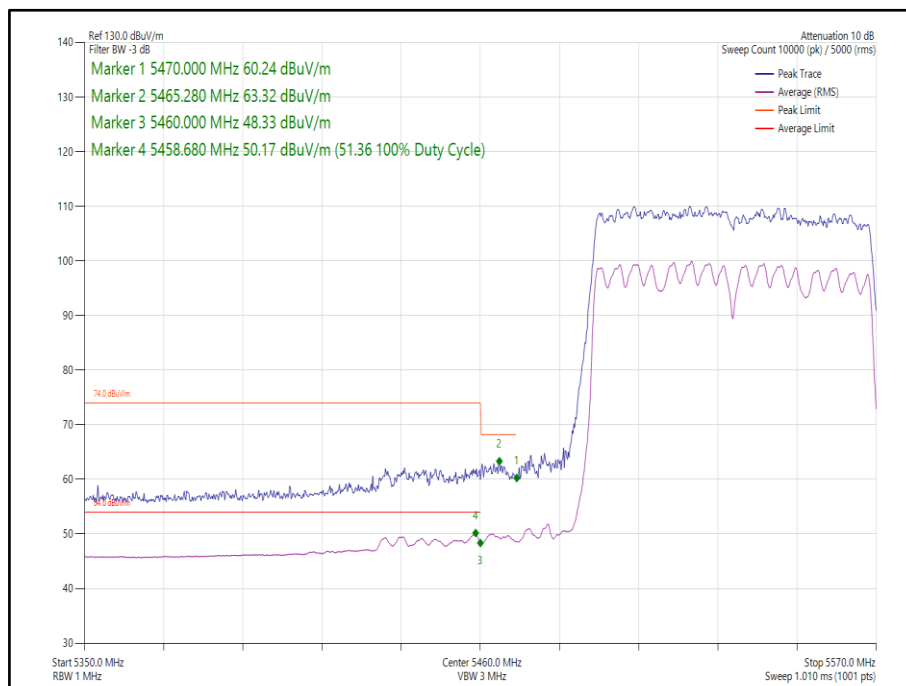


Figure 80 - 802.11ac VHT80 SDM, Cores 0-1- 5530 MHz, Band Edge Frequency 5460 MHz

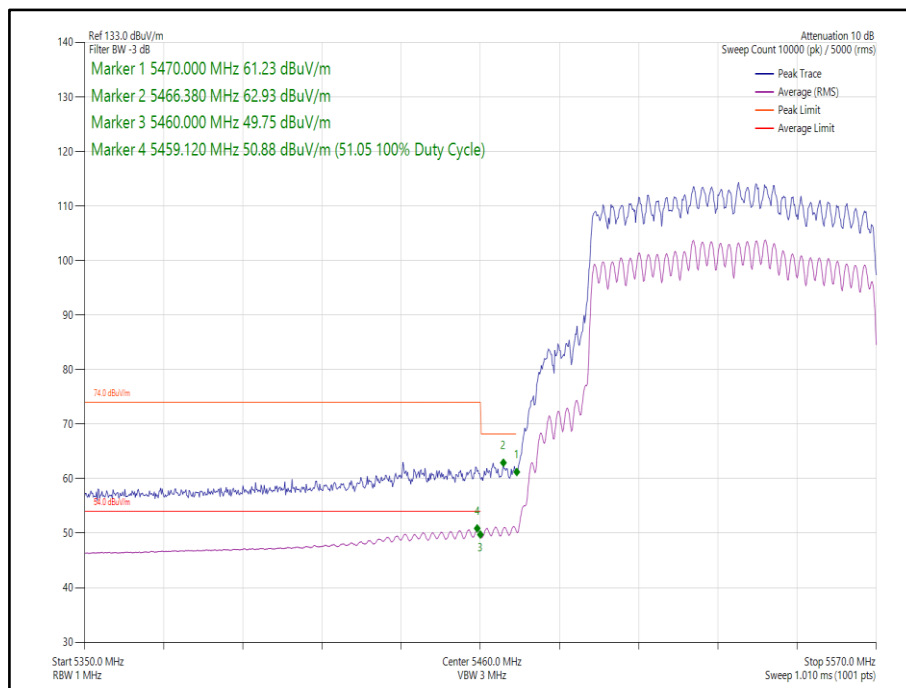


Figure 81 - 802.11ax HE80 CDD, Cores 0-1, SU - 5530 MHz, Band Edge Frequency 5460 MHz

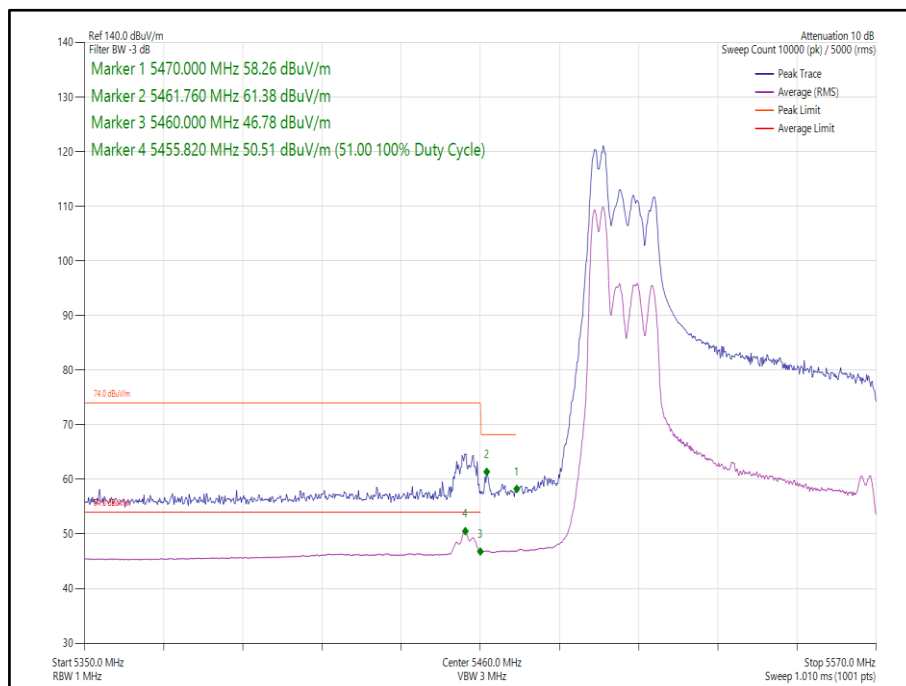


Figure 82 - 802.11ax HE80 CDD, Cores 0-1, 52-37 - 5530 MHz, Band Edge Frequency 5460 MHz

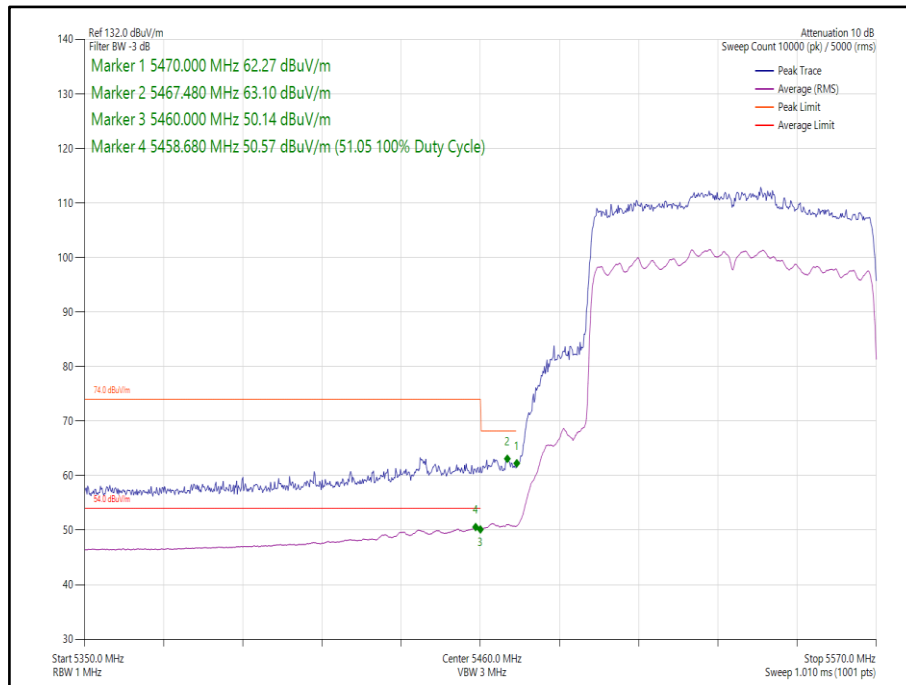


Figure 83 - 802.11ax HE80 SDM, Cores 0-1, SU - 5530 MHz, Band Edge Frequency 5460 MHz

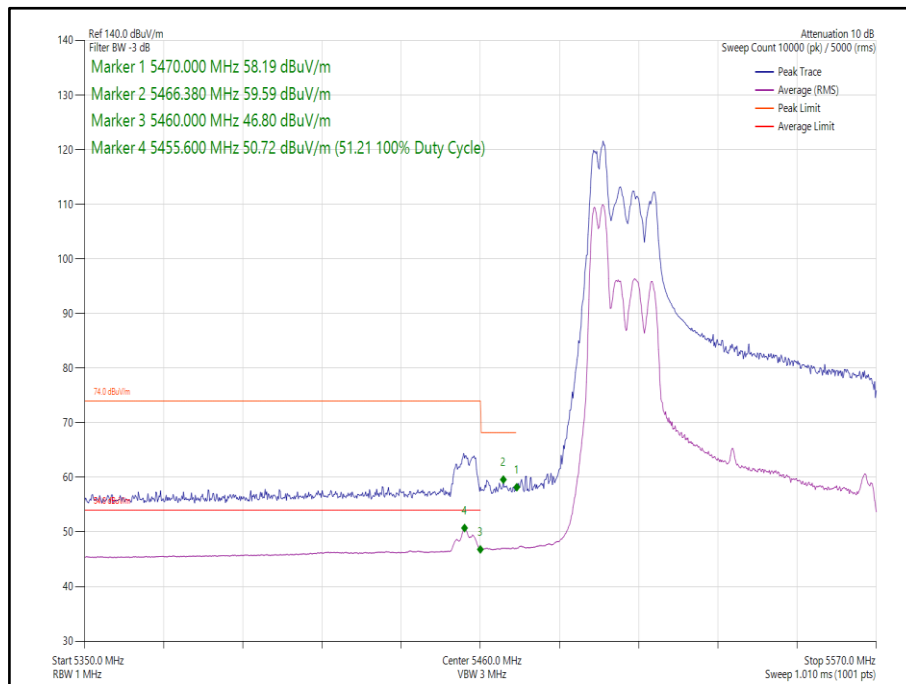


Figure 84 - 802.11ax HE80 SDM, Cores 0-1, 52-37 - 5530 MHz, Band Edge Frequency 5460 MHz



160 MHz Bandwidth (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11ac VHT160, Core 0	MCS 2x1	-	-	5250	5150	63.43	51.46
802.11ax HE160, Core 0	MCS 2x1	SU	-	5250	5150	62.87	51.42
802.11ax HE160, Core 0	MCS 11x1	52	37	5250	5150	63.02	49.74
802.11ac VHT160, Core 0	MCS 2x1	-	-	5250	5350	62.56	51.00
802.11ax HE160, Core 0	MCS 11x1	SU	-	5250	5350	64.84	51.46
802.11ax HE160, Core 0	MCS 11x1	52	52	5250	5350	65.84	51.01
802.11ac VHT160, Core 0	MCS 2x1	-	-	5570	5460	-	51.42
802.11ax HE160, Core 0	MCS 4x1	SU	-	5570	5460	-	51.37
802.11ax HE160, Core 0	MCS 11x1	52	37	5570	5460	-	51.03

Table 13 - SISO Restricted Band Edge Results

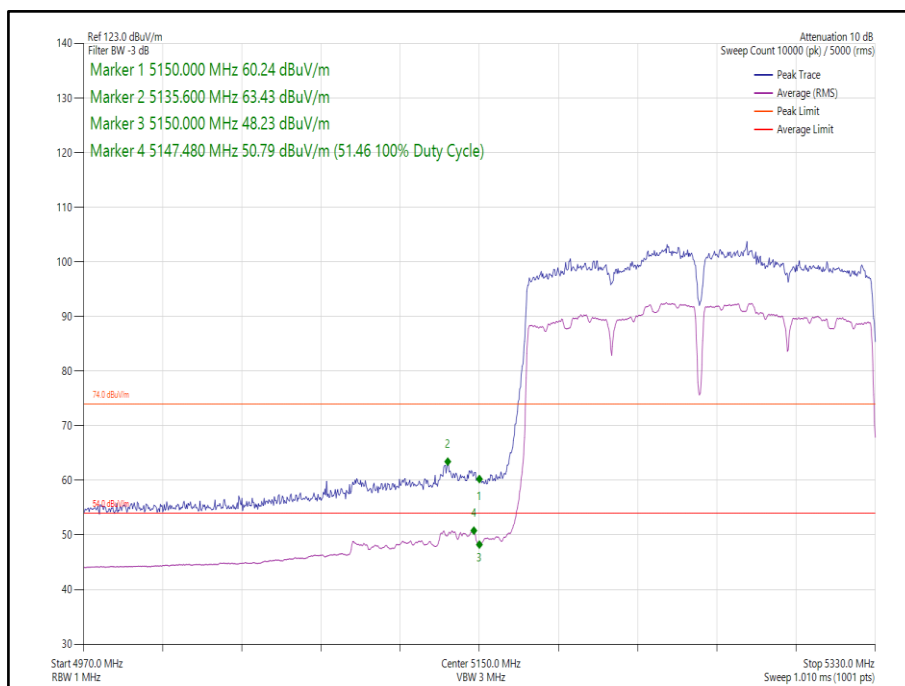


Figure 85 - 802.11ac VHT160, Core 0 - 5250 MHz, Band Edge Frequency 5150 MHz

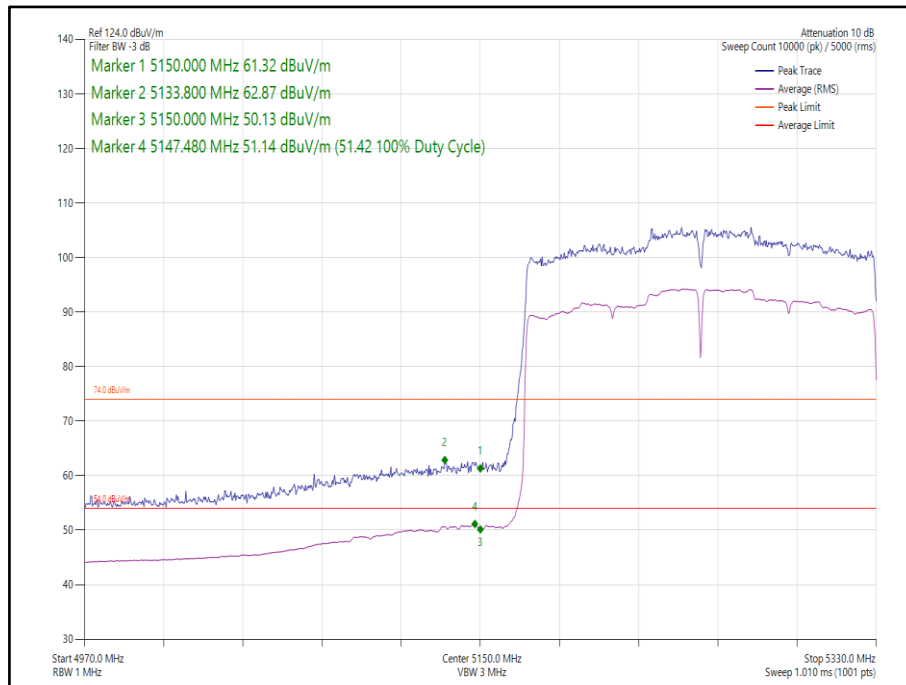


Figure 86 - 802.11ax HE160, Core 0, SU - 5250 MHz, Band Edge Frequency 5150 MHz

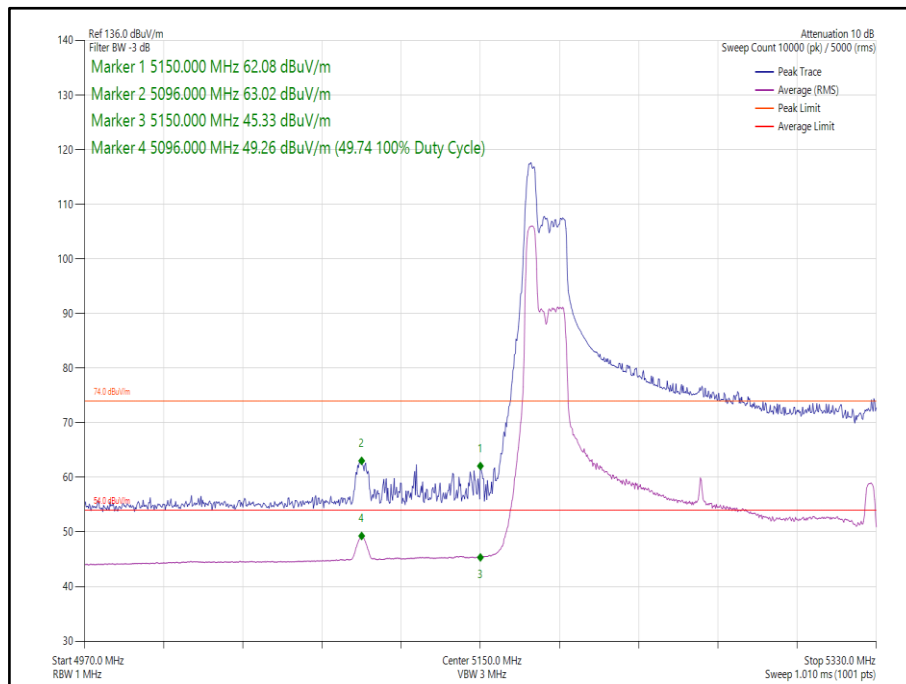


Figure 87 - 802.11ax HE160, Core 0, 52-37 - 5250 MHz, Band Edge Frequency 5150 MHz

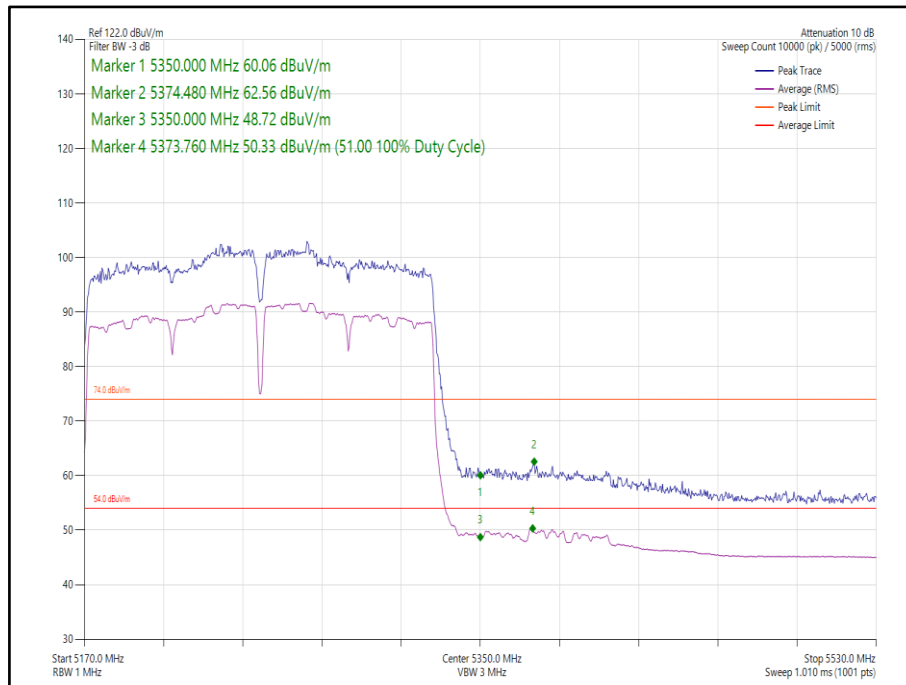


Figure 88 - 802.11ac VHT160, Core 0 - 5250 MHz, Band Edge Frequency 5350 MHz

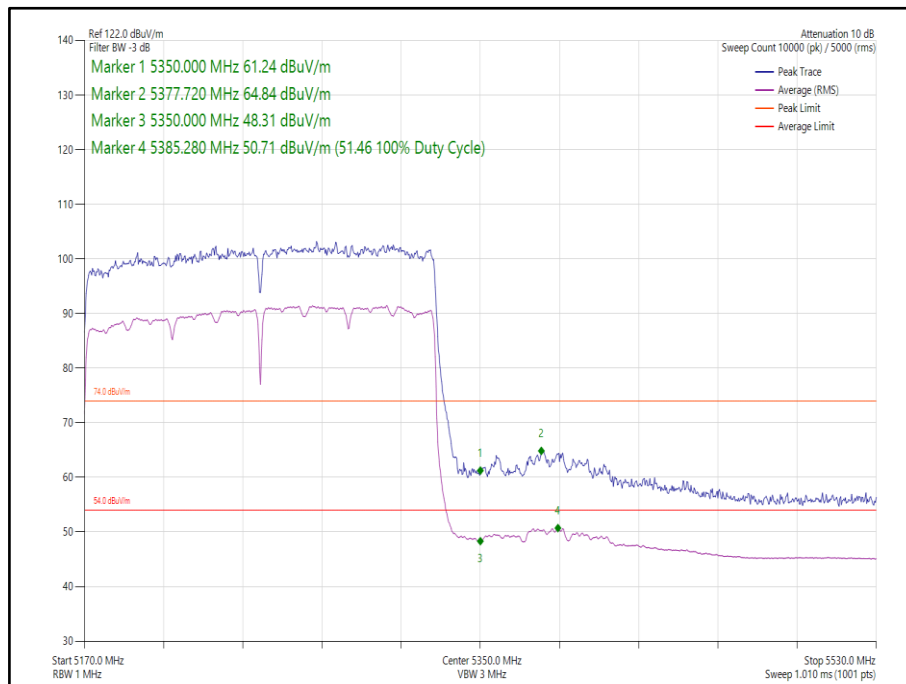


Figure 89 - 802.11ax HE160, Core 0, SU - 5250 MHz, Band Edge Frequency 5350 MHz

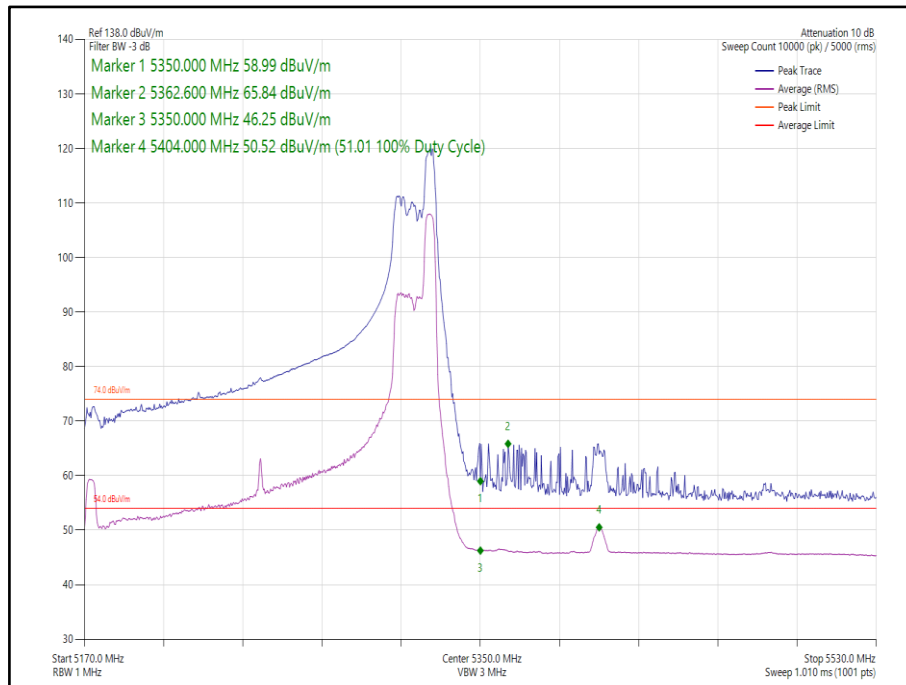


Figure 90 - 802.11ax HE160, Core 0, 52-52 - 5250 MHz, Band Edge Frequency 5350 MHz

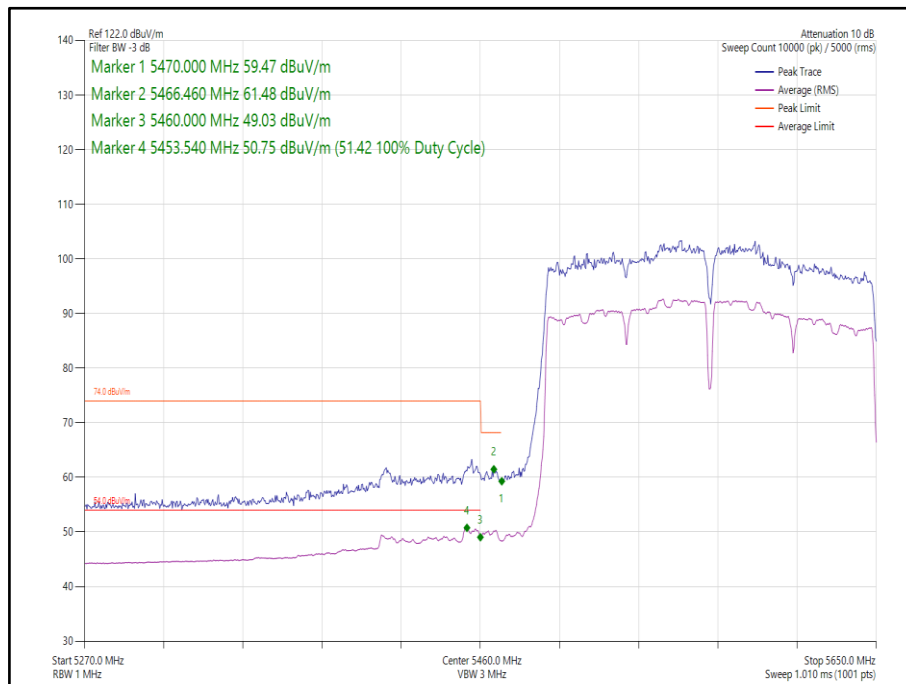


Figure 91 - 802.11ac VHT160, Core 0 - 5570 MHz, Band Edge Frequency 5460 MHz

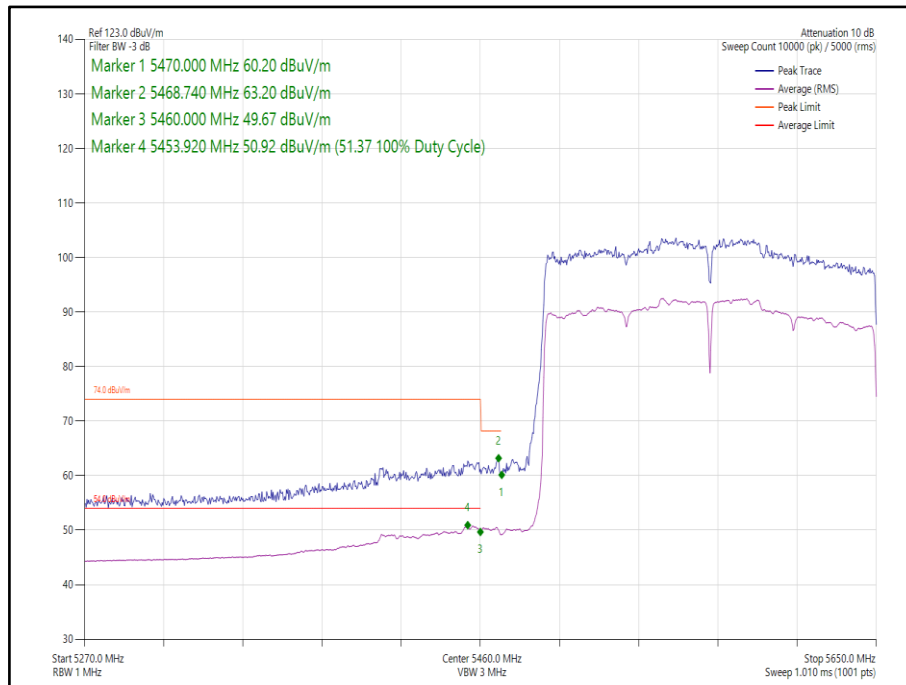


Figure 92 - 802.11ax HE160, Core 0, SU - 5570 MHz, Band Edge Frequency 5460 MHz

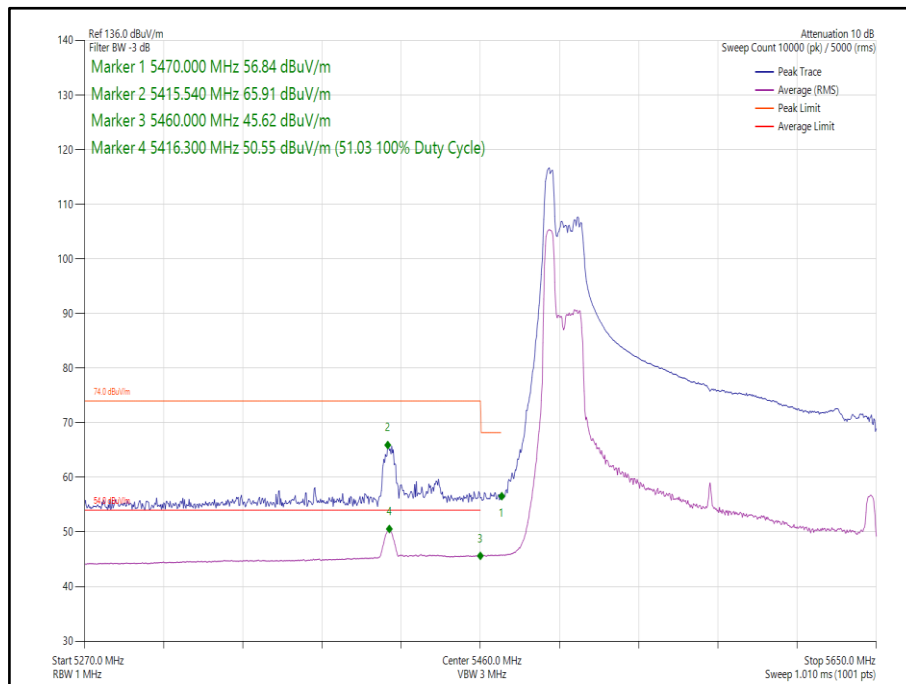


Figure 93 - 802.11ax HE160, Core 0, 52-37 - 5570 MHz, Band Edge Frequency 5460 MHz



160 MHz Bandwidth (2TX MIMO)

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 VHT160 CDD, Cores 0-1	MCS 4x1	-	-	5250	5150	63.62	51.32
802.11ac VHT160 SDM, Cores 0-1	MCS 4x2	-	-	5250	5150	61.61	50.95
802.11ax HE160 CDD, Cores 0-1	MCS 11x1	SU	-	5250	5150	63.75	51.32
802.11ax HE160 CDD, Cores 0-1	MCS 11x1	52	37	5250	5150	69.13	50.16
802.11ax HE160 SDM, Cores 0-1	MCS 11x2	SU	-	5250	5150	62.14	51.21
802.11ax HE160 SDM, Cores 0-1	MCS 11x2	52	37	5250	5150	67.94	50.72
802.11ac VHT160 CDD, Cores 0-1	MCS 2x1	-	-	5250	5350	62.47	51.27
802.11ac VHT160 SDM, Cores 0-1	MCS 4x2	-	-	5250	5350	62.22	51.33
802.11ax HE160 CDD, Cores 0-1	MCS 4x1	SU	-	5250	5350	64.24	51.38
802.11ax HE160 CDD, Cores 0-1	MCS 11x1	52	52	5250	5350	68.75	51.29
802.11ax HE160 SDM, Cores 0-1	MCS 4x2	SU	-	5250	5350	64.03	51.13
802.11ax HE160 SDM, Cores 0-1	MCS 11x2	52	52	5250	5350	67.46	51.37
802.11ac VHT160 CDD, Cores 0-1	MCS 8x1	-	-	5570	5460	-	51.17
802.11ac VHT160 SDM, Cores 0-1	MCS 2x2	-	-	5570	5460	-	51.44
802.11ax HE160 CDD, Cores 0-1	MCS 11x1	SU	-	5570	5460	-	51.49
802.11ax HE160 CDD, Cores 0-1	MCS 11x1	52	37	5570	5460	-	51.22
802.11ax HE160 SDM, Cores 0-1	MCS 11x2	SU	-	5570	5460	-	50.99
802.11ax HE160 SDM, Cores 0-1	MCS 11x2	52	37	5570	5460	-	51.16

Table 14 - MIMO 2TX Restricted Band Edge Results

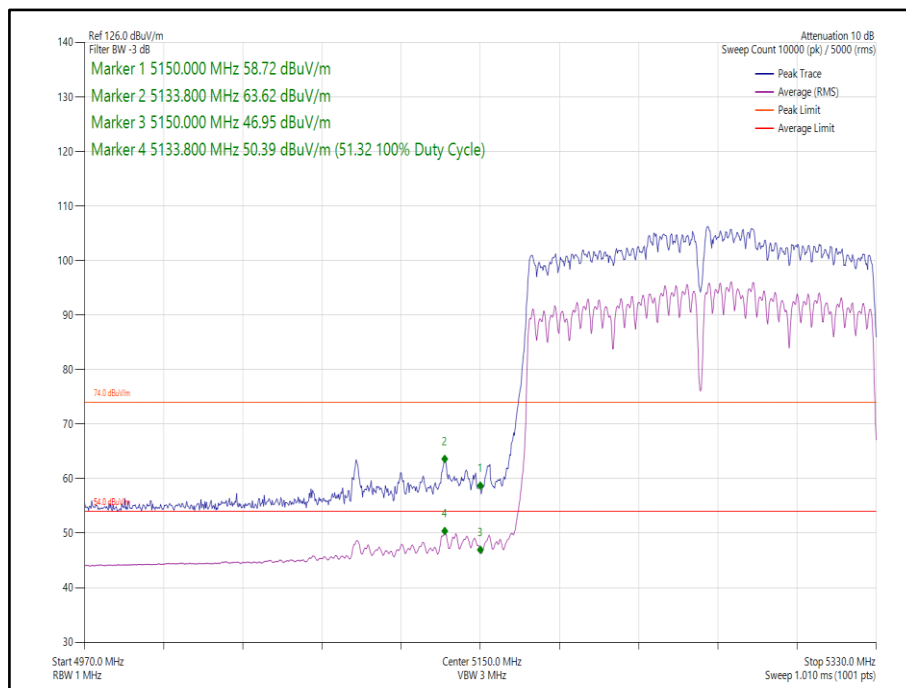


Figure 94 - 802.11ac VHT160 CDD, Cores 0-1 - 5250 MHz, Band Edge Frequency 5150 MHz

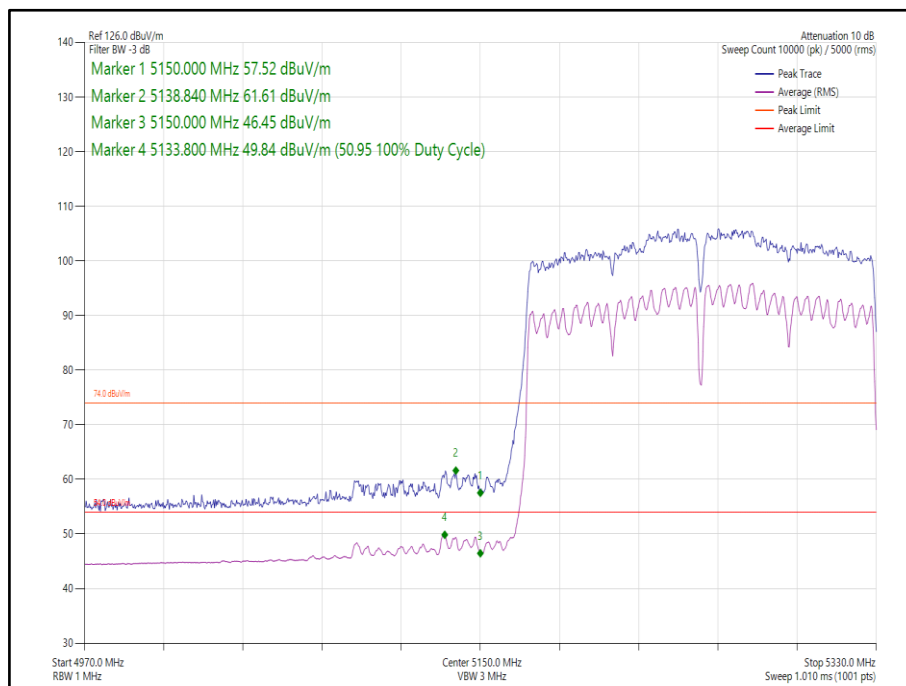


Figure 95 - 802.11ac VHT160 SDM, Cores 0-1 - 5250 MHz, Band Edge Frequency 5150 MHz

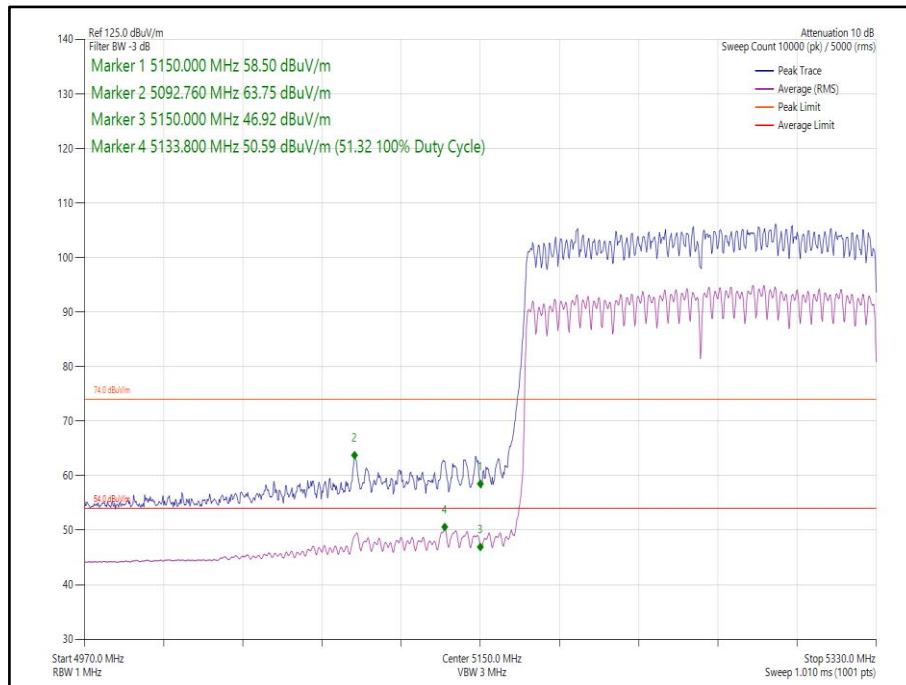


Figure 96 - 802.11ax HE160 CDD, Cores 0-1, SU - 5250 MHz, Band Edge Frequency 5150 MHz

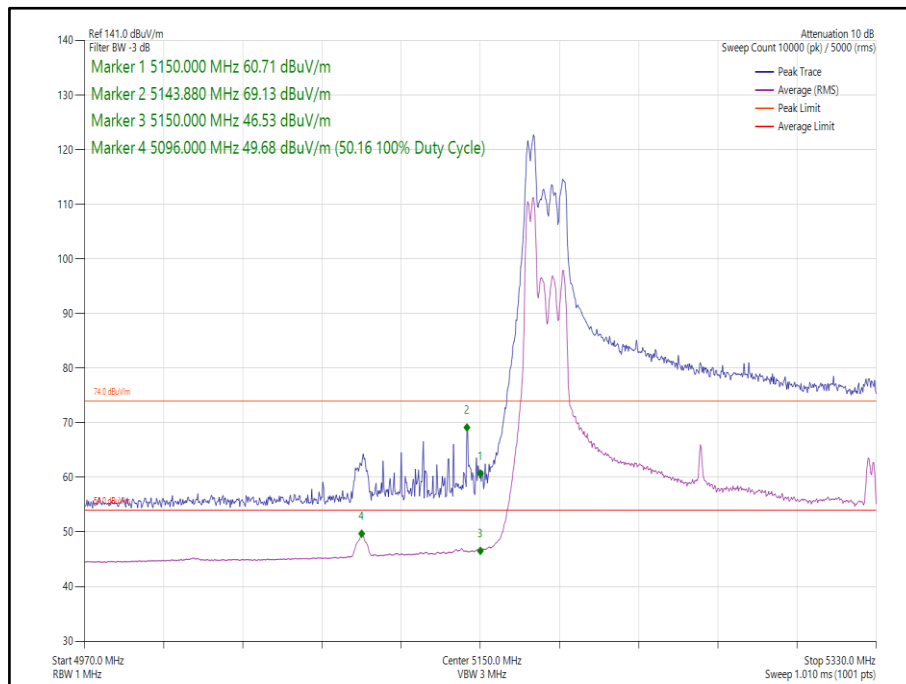


Figure 97 - 802.11ax HE160 CDD, Cores 0-1, 52-37- 5250 MHz, Band Edge Frequency 5150 MHz

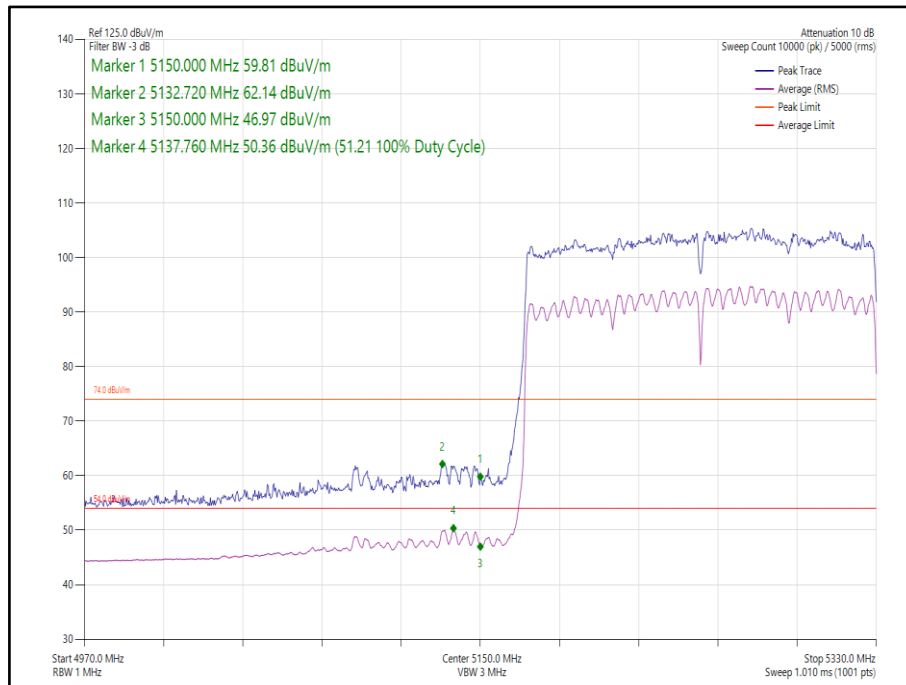


Figure 98 - 802.11ax HE160 SDM, Cores 0-1, SU - 5250 MHz, Band Edge Frequency 5150 MHz

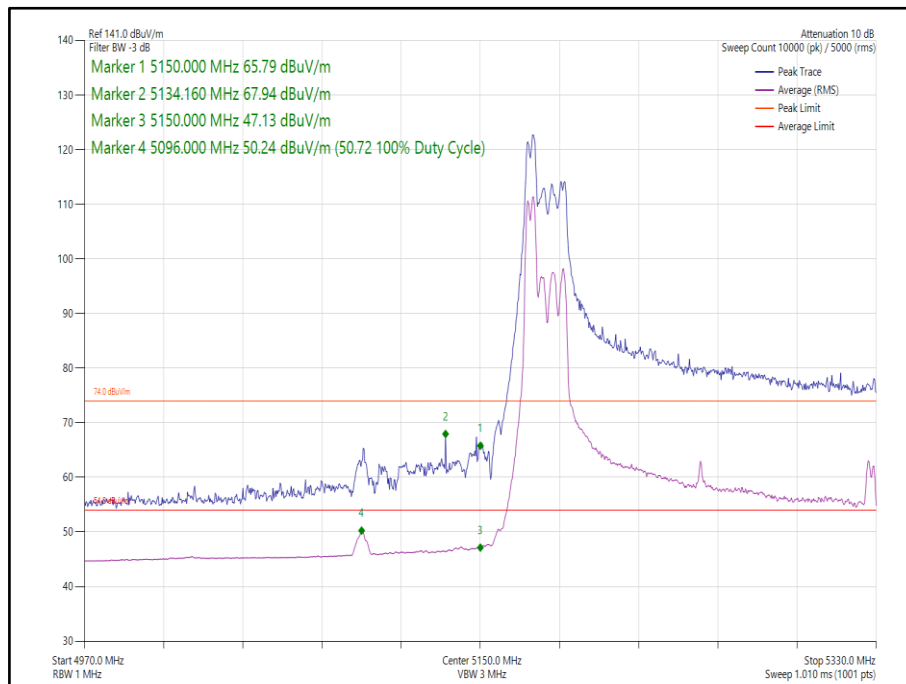


Figure 99 - 802.11ax HE160 SDM, Cores 0-1, 52-37 - 5250 MHz, Band Edge Frequency 5150 MHz

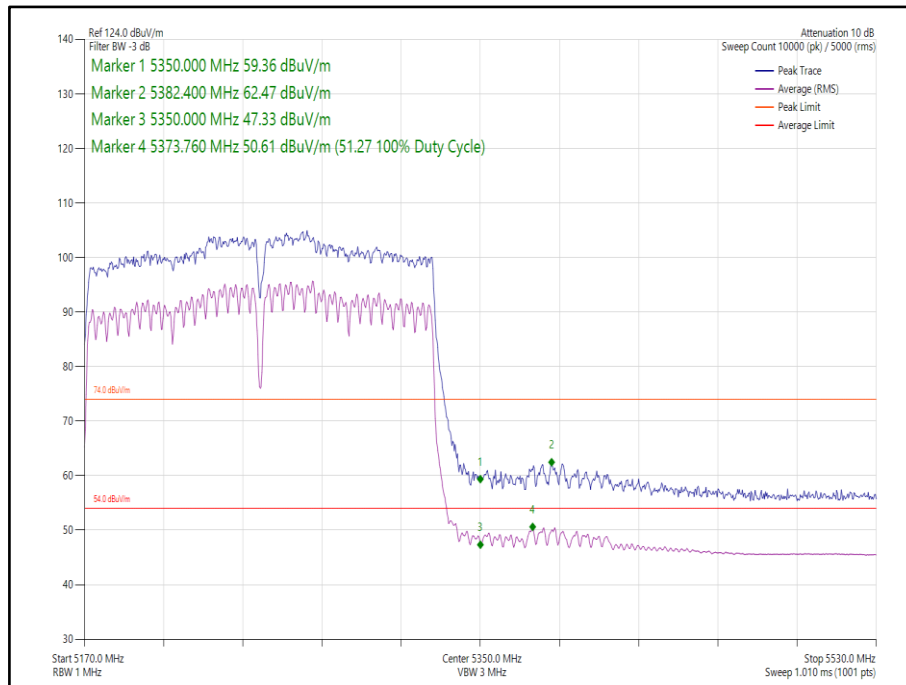


Figure 100 - 802.11ac VHT160 CDD, Cores 0-1 - 5250 MHz, Band Edge Frequency 5350 MHz

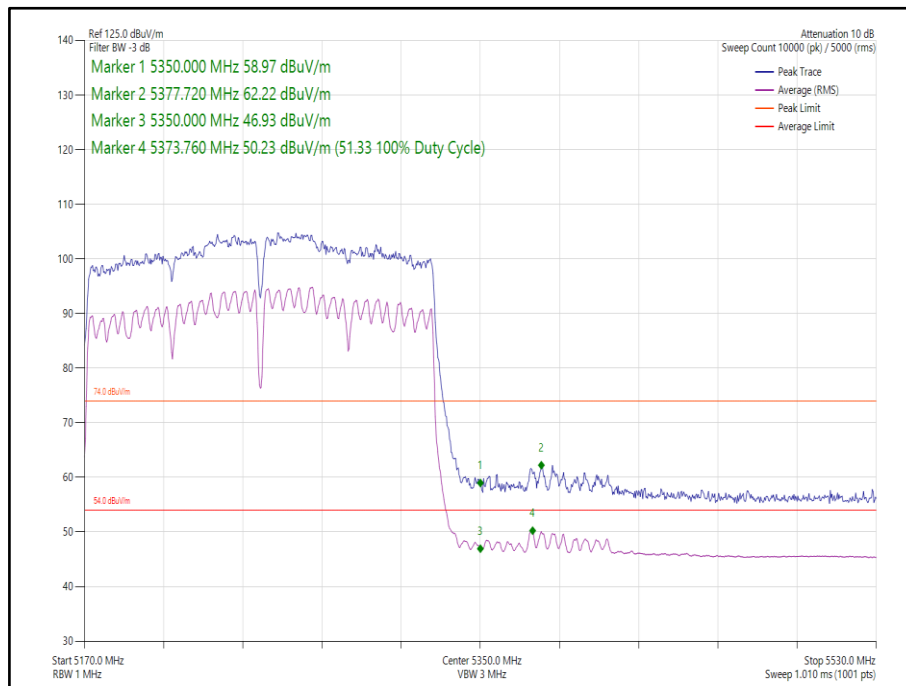


Figure 101 - 802.11ac VHT160 SDM, Cores 0-1 - 5250 MHz, Band Edge Frequency 5350 MHz

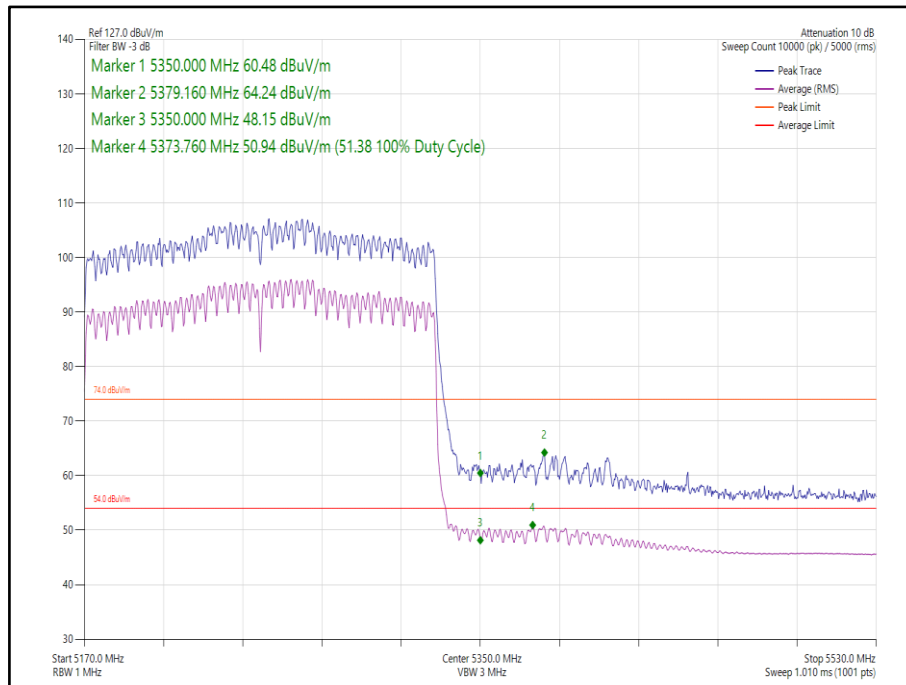


Figure 102 - 802.11ax HE160 CDD, Cores 0-1, SU - 5250 MHz, Band Edge Frequency 5350 MHz

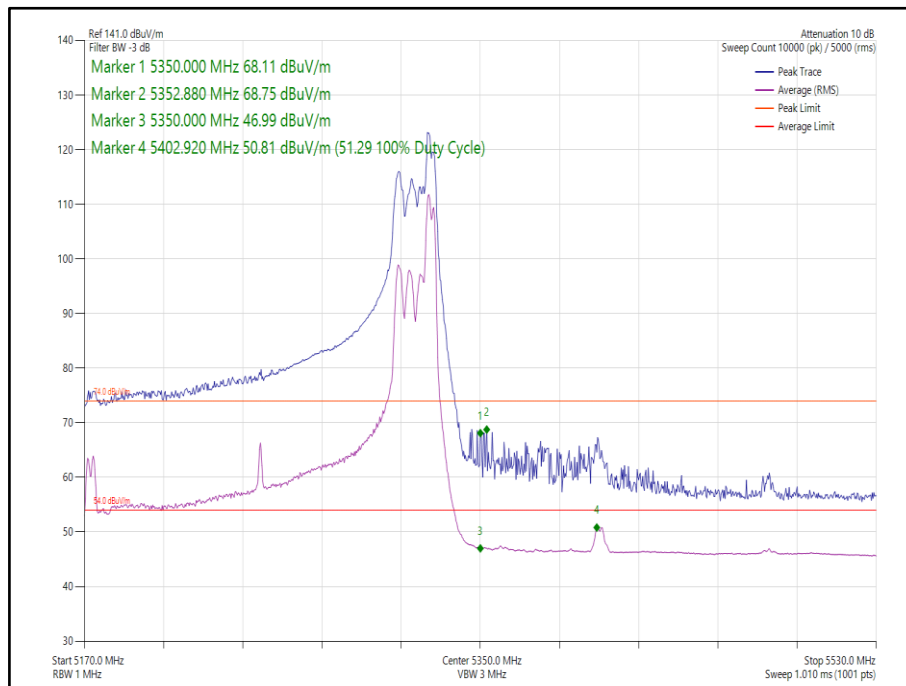


Figure 103 - 802.11ax HE160 CDD, Cores 0-1, 52-52- 5250 MHz, Band Edge Frequency 5350 MHz

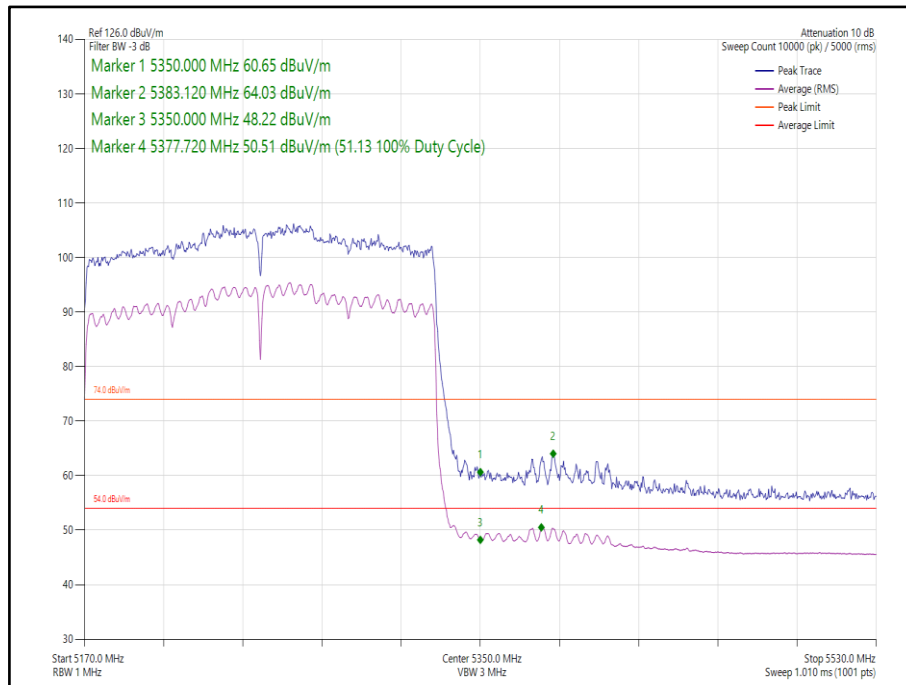


Figure 104 - 802.11ax HE160 SDM, Cores 0-1, SU - 5250 MHz, Band Edge Frequency 5350 MHz

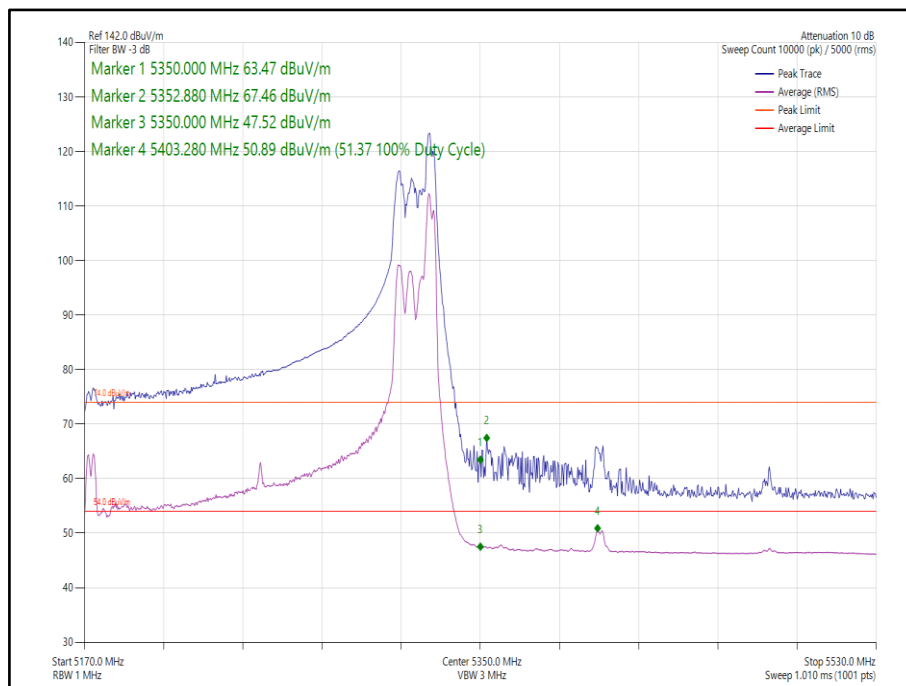


Figure 105 - 802.11ax HE160 SDM, Cores 0-1, 52-52 - 5250 MHz, Band Edge Frequency 5350 MHz

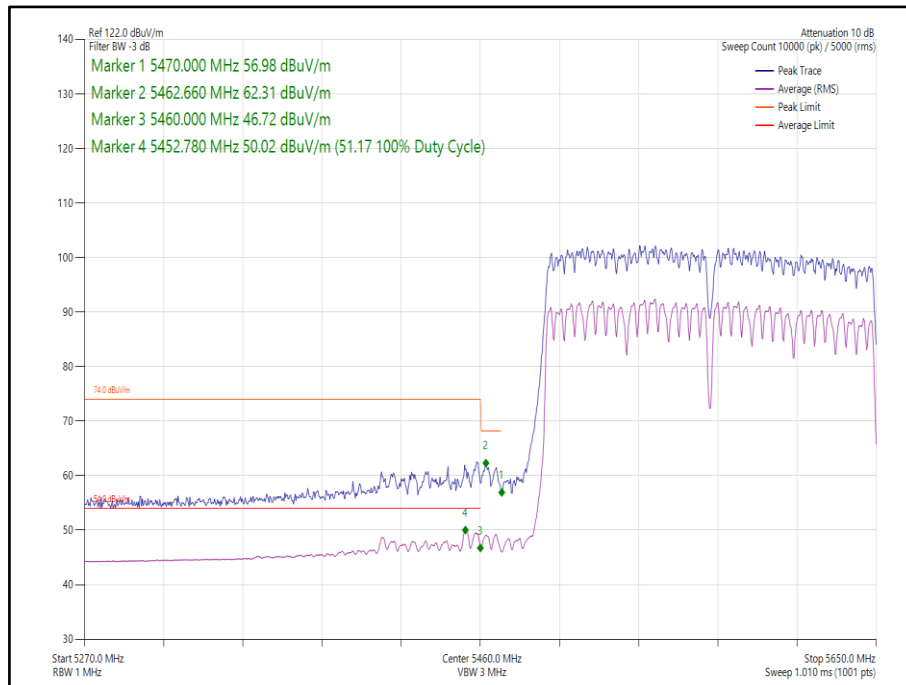


Figure 106 - 802.11ac VHT160 CDD, Cores 0-1 - 5570 MHz, Band Edge Frequency 5460 MHz

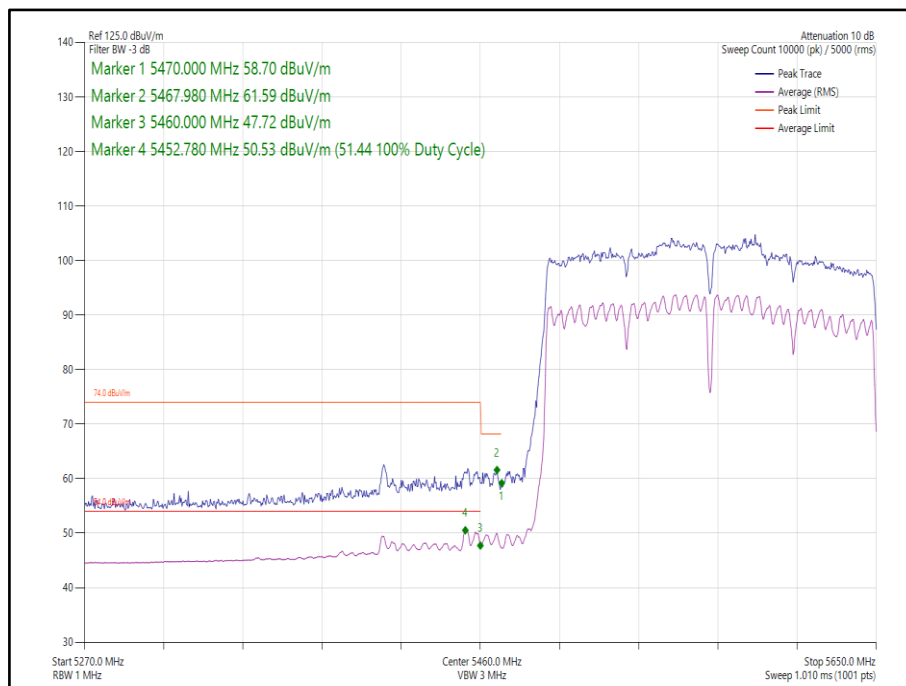


Figure 107 - 802.11ac VHT160 SDM, Cores 0-1 - 5570 MHz, Band Edge Frequency 5460 MHz

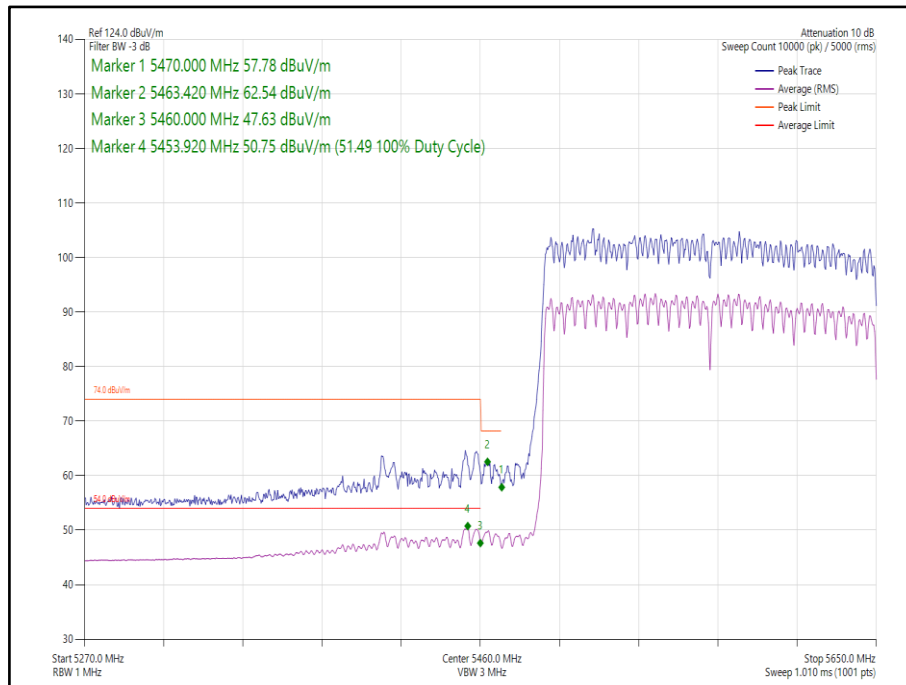


Figure 108 - 802.11ax HE160 CDD, Cores 0-1, SU - 5570 MHz, Band Edge Frequency 5460 MHz

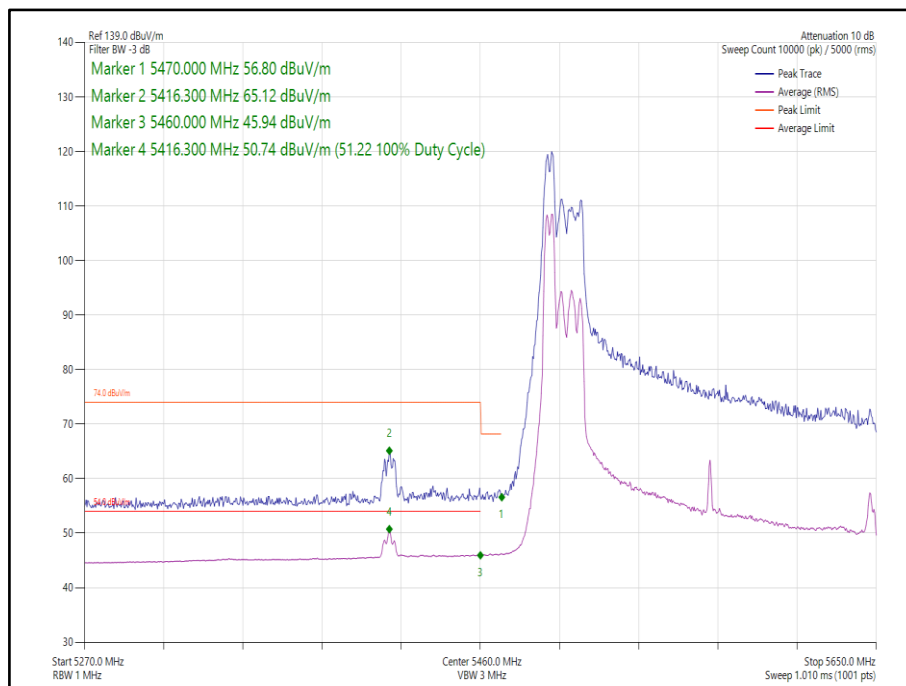


Figure 109 - 802.11ax HE160 CDD, Cores 0-1, 52-37- 5570 MHz, Band Edge Frequency 5460 MHz

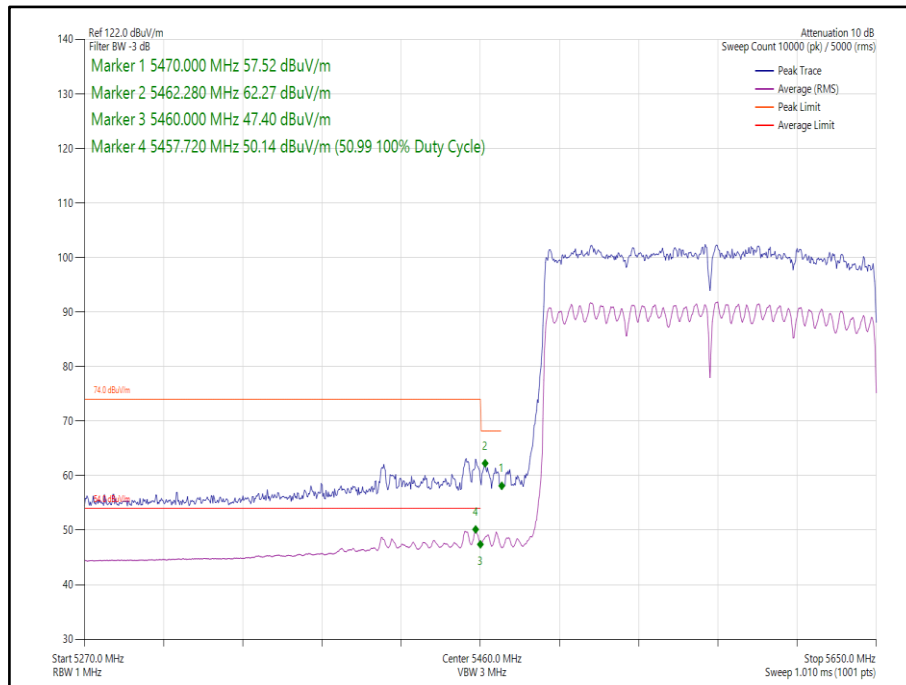


Figure 110 - 802.11ax HE160 SDM, Cores 0-1, SU - 5570 MHz, Band Edge Frequency 5460 MHz

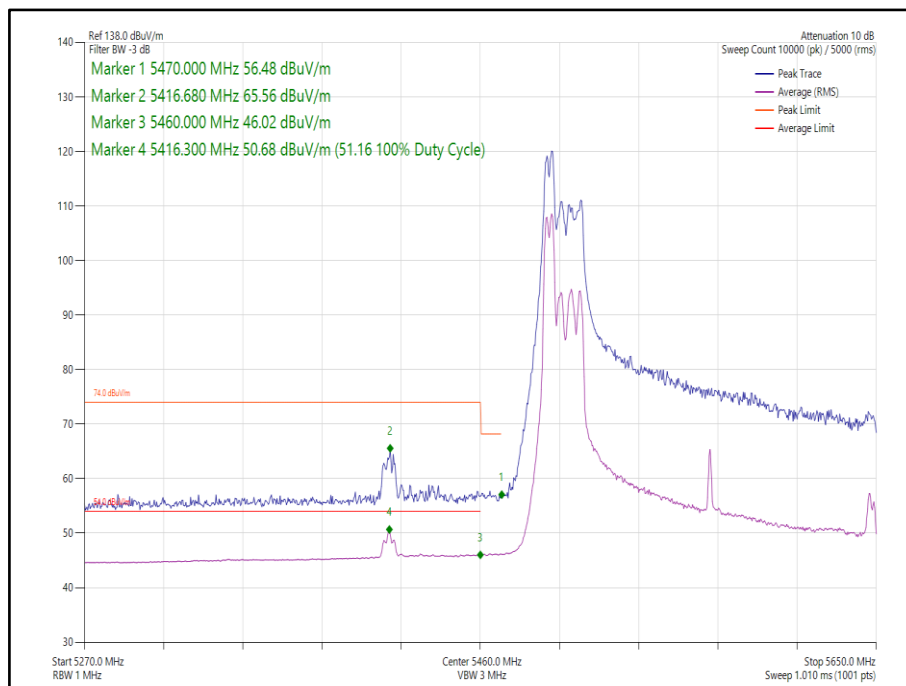


Figure 111 - 802.11ax HE160 SDM, Cores 0-1, 52-37 - 5570 MHz, Band Edge Frequency 5460 MHz



FCC 47 CFR Part 15, Limit Clause 15.205 and ISED RSS-GEN Limit Clause 8.10

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

Table 15 - Restricted Band Edge Limit Table

2.1.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 11 and RF Chamber 15.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
EMI Test Receiver	Rohde & Schwarz	ESW44	5084	12	17-May-2023
Screened Room (11)	Rainford	Rainford	5136	36	24-Nov-2024
Mast	Maturo	TAM 4.0-P	5158	-	TU
Mast and Turntable Controller	Maturo	Maturo NCD	5159	-	TU
Turntable	Maturo	TT 15WF	5160	-	TU
Antenna (DRG 1-10.5GHz)	Schwarzbeck	BBHA9120B	5215	12	28-May-2023
Pre-Amp 1 - 26.5 GHz	Agilent Technologies	8449B	5445	12	12-May-2023
10dB/5W Attenuator	Aaren	AT40A-404-D18-10	5486	12	11-Apr-2023
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5514	12	12-Apr-2023
2m SMA Cable	Junkosha	MWX221-02000AMSAMS/A	5518	12	12-Apr-2023
8m N Type Cable	Junkosha	MWX221-08000NMSNMS/B	5522	12	24-Mar-2023
Thermo-Hygro-Barometer	PCE Instruments	PCE-THB 40	5604	12	22-Sep-2022
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	24-Feb-2023
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 15	5963	36	28-Apr-2025
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	06-Jun-2023
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	06-Jun-2023
Cable (SMA to SMA 6.5m)	Junkosha	MWX221-06500AMSAMS/B	6014	12	07-Jun-2023
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	21-Jun-2023
Digital Multimeter	Fluke	115	6147	12	16-Jun-2023
Humidity & Temperature meter	R.S Components	1364	6150	12	17-Jun-2023
SAC Switch Unit	TUV SUD	SSU003	6191	12	15-Jul-2023

Table 16

TU – Traceability Unscheduled

O/P Mon – Output Monitored using calibrated equipment