

Figure 193 - - 802.11ax HE20 SDM, Cores 0-1, SU - 5745 MHz
Band Edge Frequency 5725 MHz

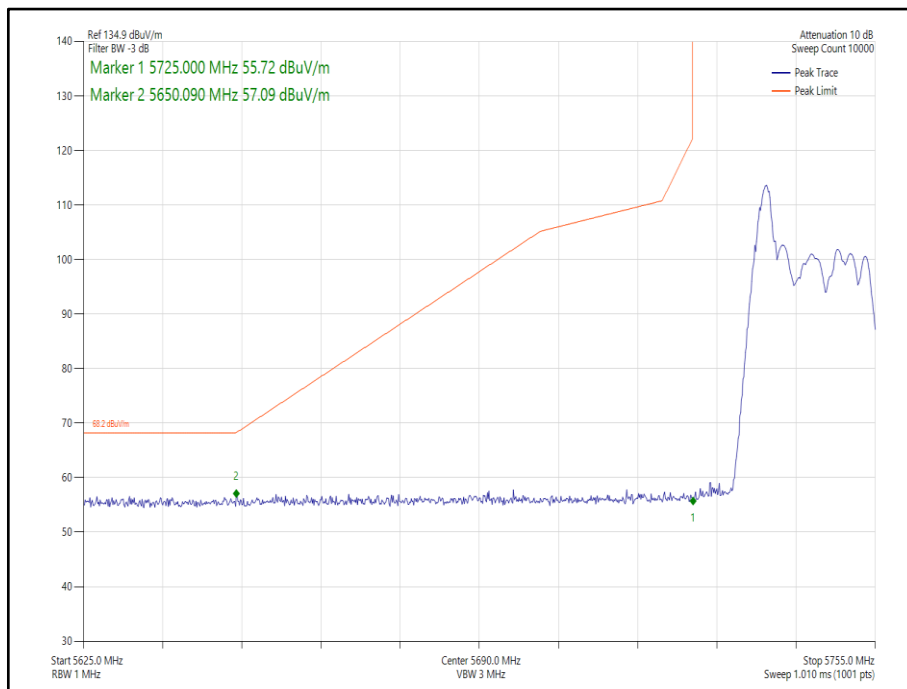
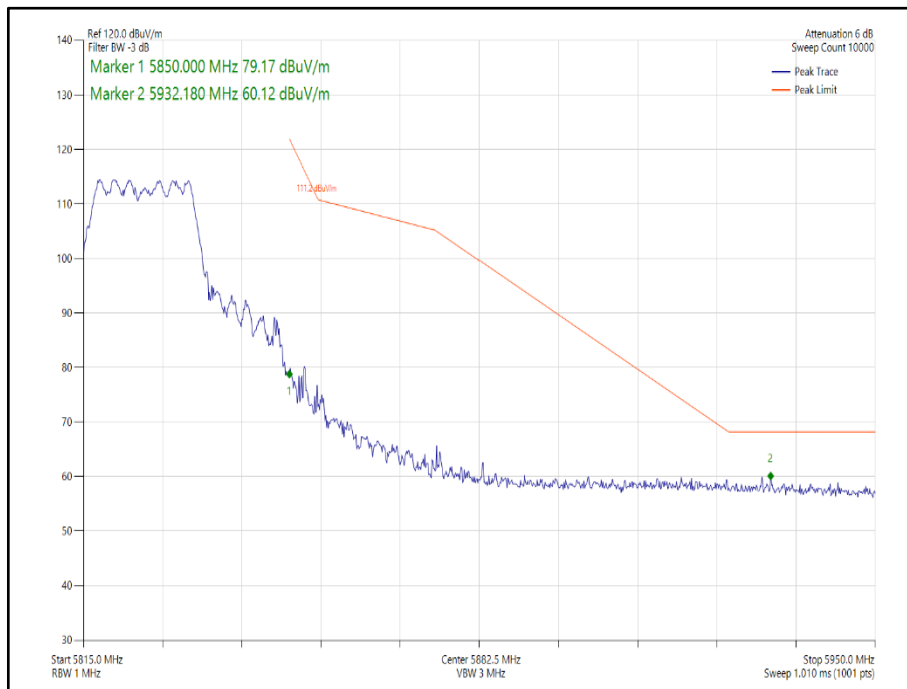
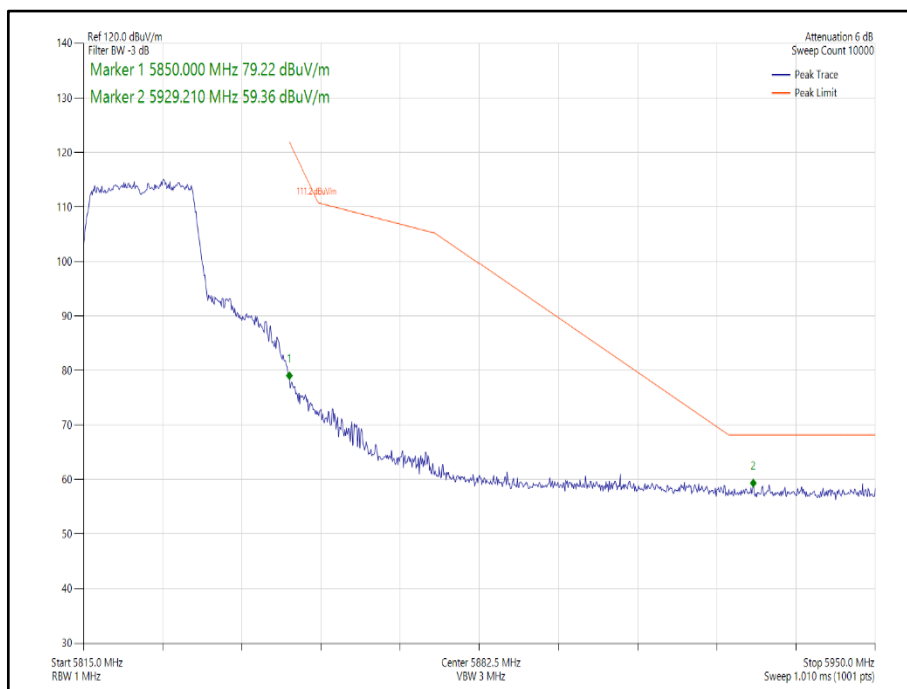


Figure 194 - 802.11ax HE20 SDM, Cores 0-1, 26-0 - 5745 MHz
Band Edge Frequency 5725 MHz



**Figure 195 - 802.11n HT20 CDD, Cores 0-1 - 5825 MHz
Band Edge Frequency 5850 MHz**



**Figure 196 - 802.11n HT20 SDM, Cores 0-1 - 5825 MHz
Band Edge Frequency 5850 MHz**

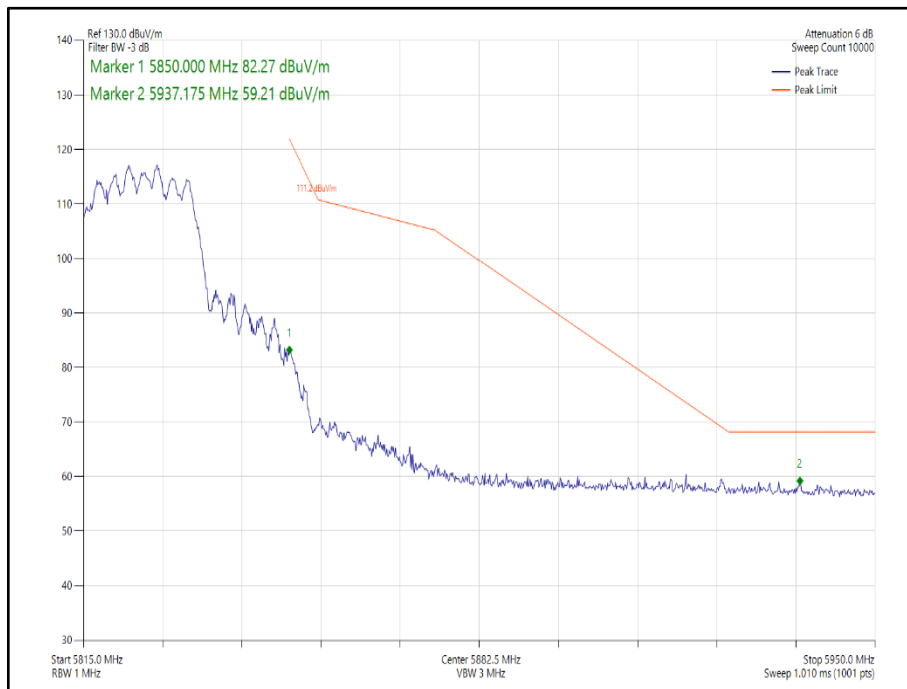


Figure 197 - - 802.11ax HE20 CDD, Cores 0-1, SU - 5825 MHz
Band Edge Frequency 5850 MHz

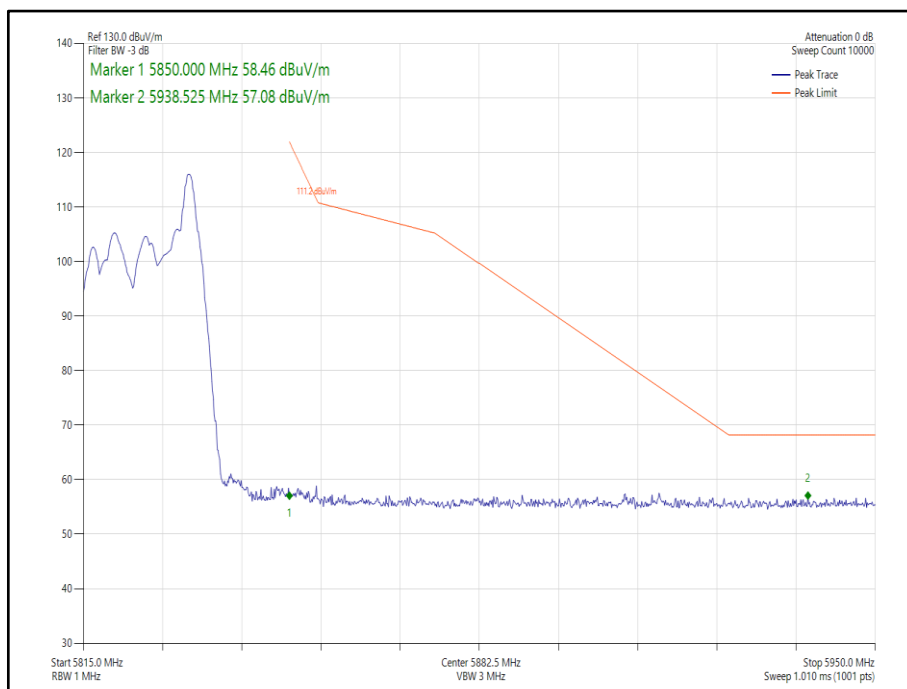
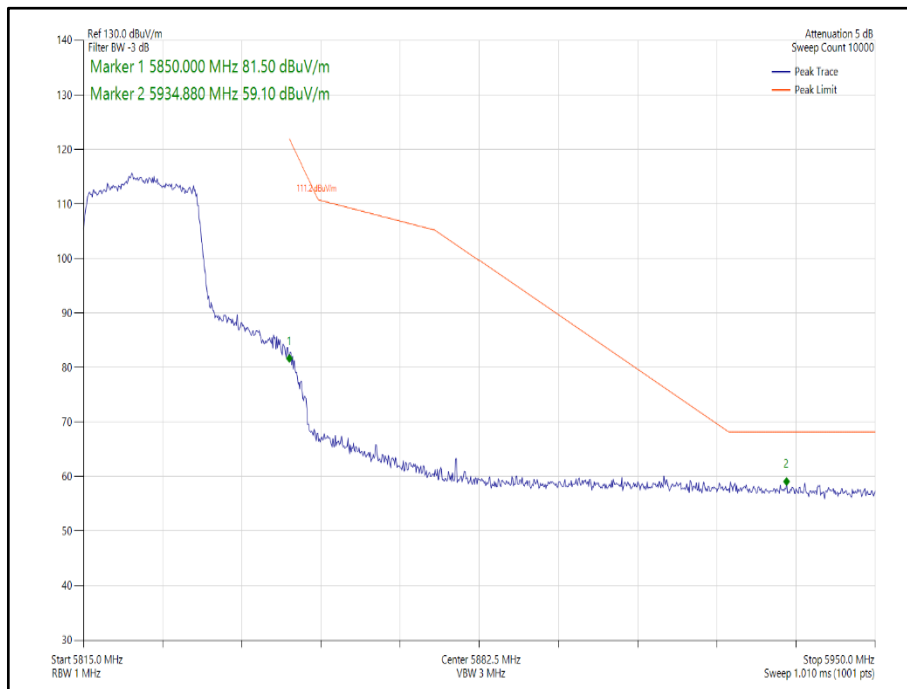
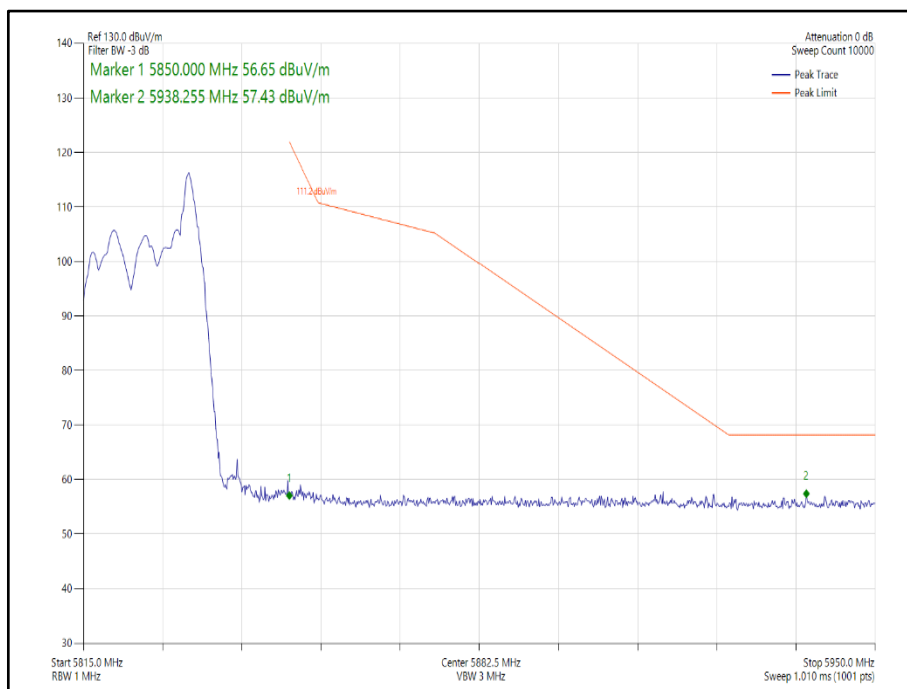


Figure 198 - 802.11ax HE20 CDD, Cores 0-1, 26-8 - 5825 MHz
Band Edge Frequency 5850 MHz



**Figure 199 - - 802.11ax HE20 SDM, Cores 0-1, SU - 5825 MHz
Band Edge Frequency 5850 MHz**



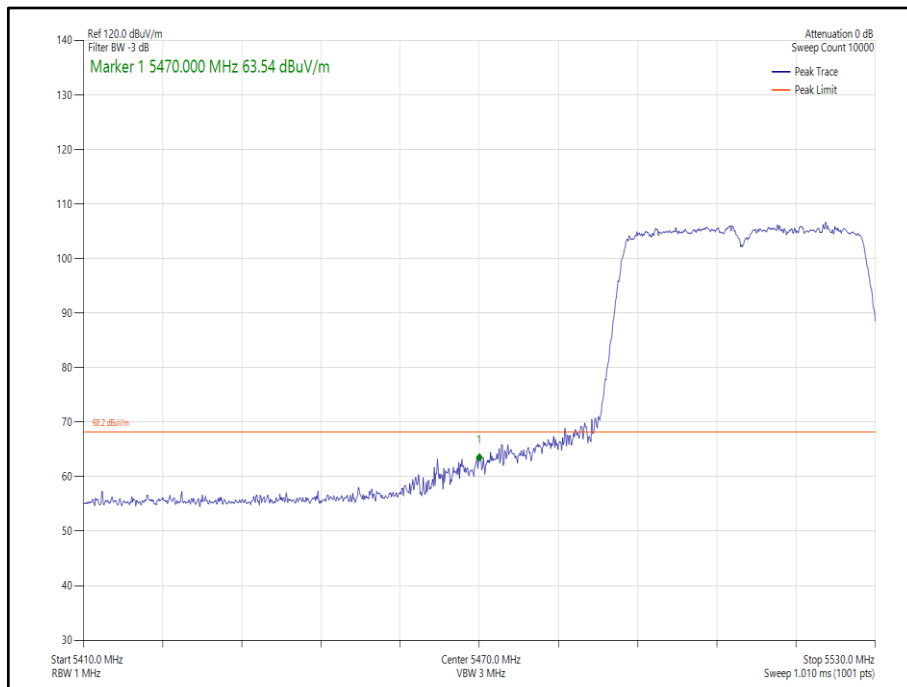
**Figure 200 - 802.11ax HE20 SDM, Cores 0-1, 26-8 - 5825 MHz
Band Edge Frequency 5850 MHz**



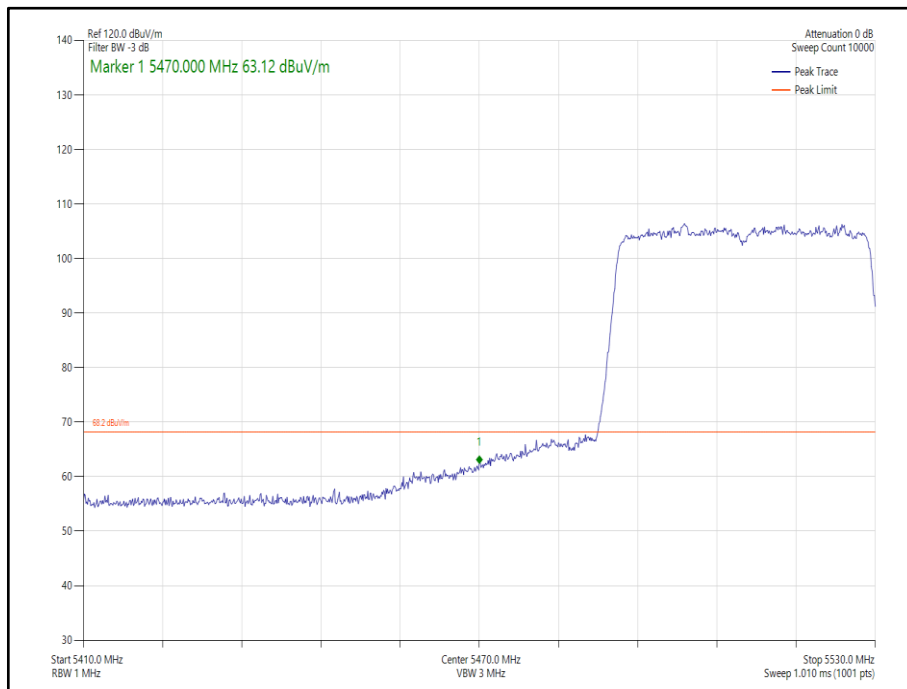
40 MHz Bandwidth (SISO)

Mode	Data Rate /MCS	Resource size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuV/m)
802.11n HT40, Core 1	MCS 7	-	-	5510	5470	63.54
802.11ax HE40, Core 1	MCS 11x1	SU	-	5510	5470	63.12
802.11ax HE40, Core 1	MCS 11x1	52	37	5510	5470	61.29
802.11n HT40, Core 1	MCS 7	-	-	5670	5725	63.52
802.11ax HE40, Core 1	MCS 4x1	SU	-	5670	5725	63.61
802.11ax HE40, Core 1	MCS 11x1	52	44	5670	5725	56.93
802.11n HT40, Core 0	MCS 4	-	-	5755	5725	56.65
802.11ax HE40, Core 0	MCS 2x1	SU	-	5755	5725	56.96
802.11ax HE40, Core 0	MCS 11x1	26	0	5755	5725	55.99
802.11n HT40, Core 0	MCS 2	-	-	5795	5850	57.54
802.11ax HE40, Core 0	MCS 2x1	SU	-	5795	5850	57.58
802.11ax HE40, Core 0	MCS 11x1	26	17	5795	5850	57.80

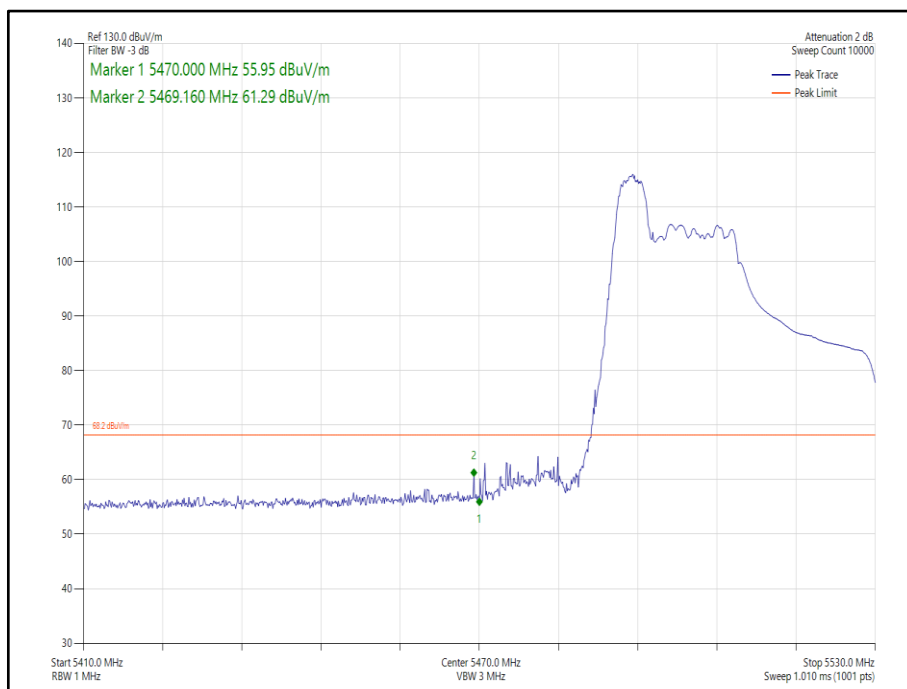
Table 482 - SISO Authorised Band Edge Results



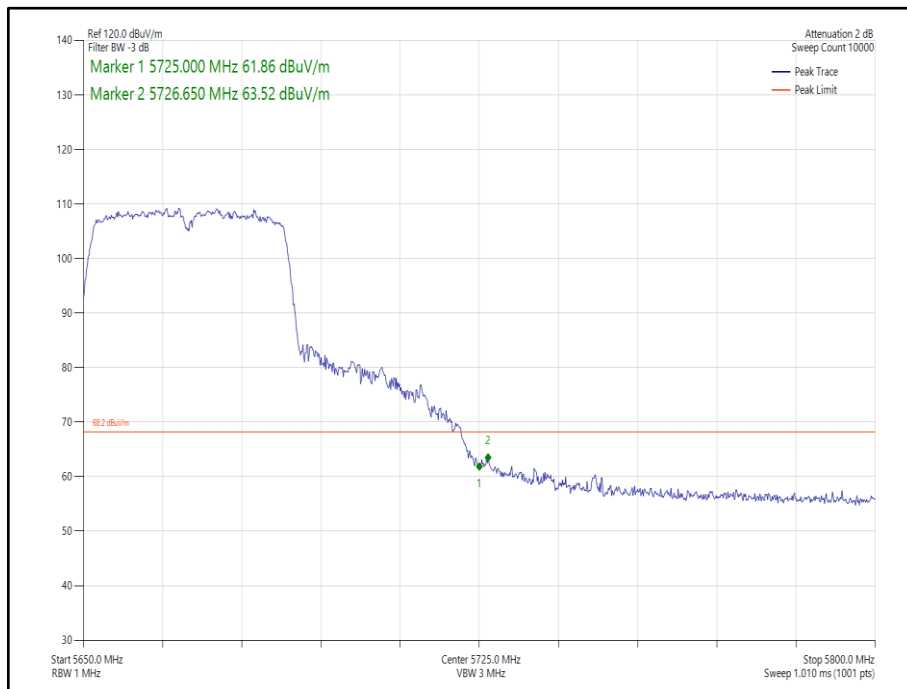
**Figure 201 - 802.11n HT40, Core 1 - 5510 MHz
 Band Edge Frequency 5470 MHz**



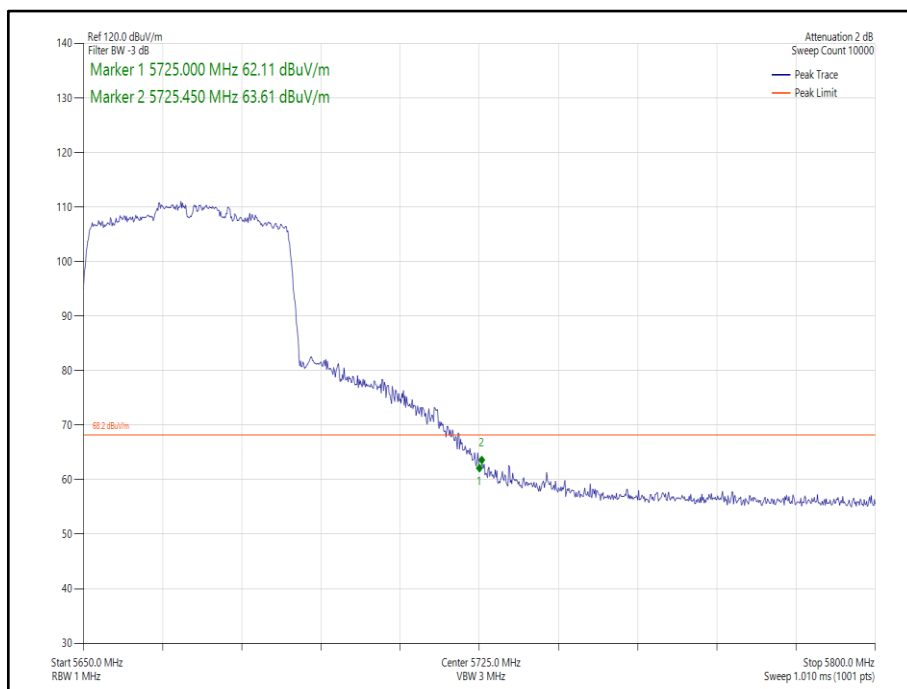
**Figure 202 - 802.11ax HE40, Core 1, SU - 5510 MHz
Band Edge Frequency 5470 MHz**



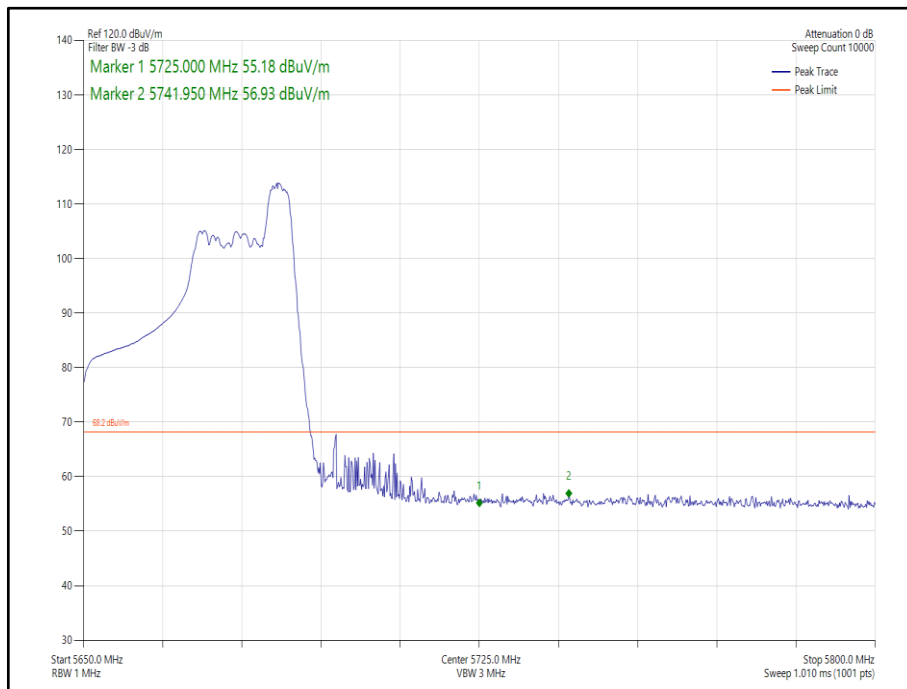
**Figure 203 - 802.11ax HE40, Core 1, 52-37 - 5510 MHz
Band Edge Frequency 5470 MHz**



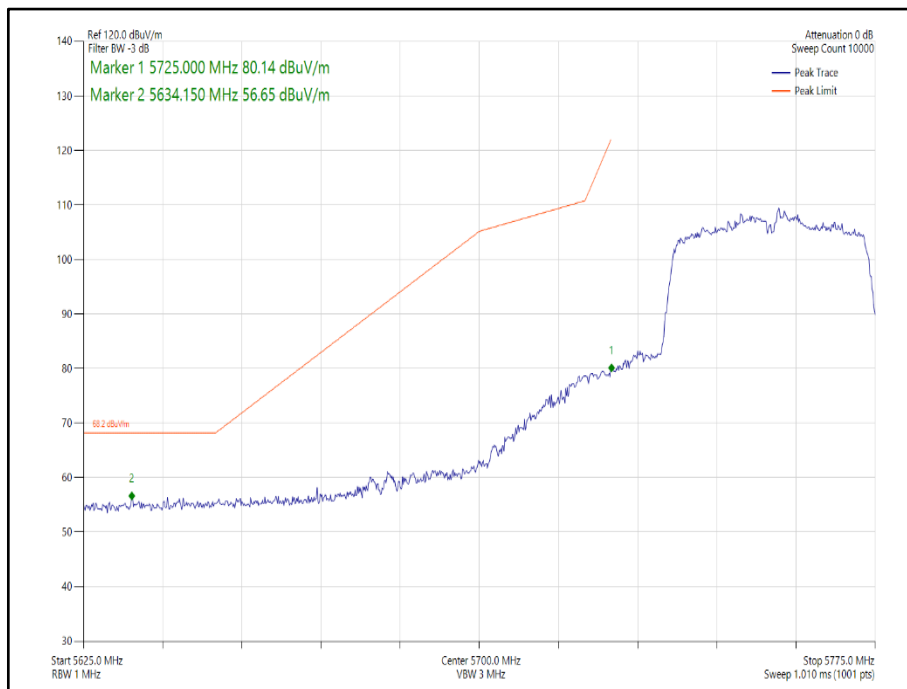
**Figure 204 - 802.11n HT40, Core 1 - 5670 MHz
Band Edge Frequency 5725 MHz**



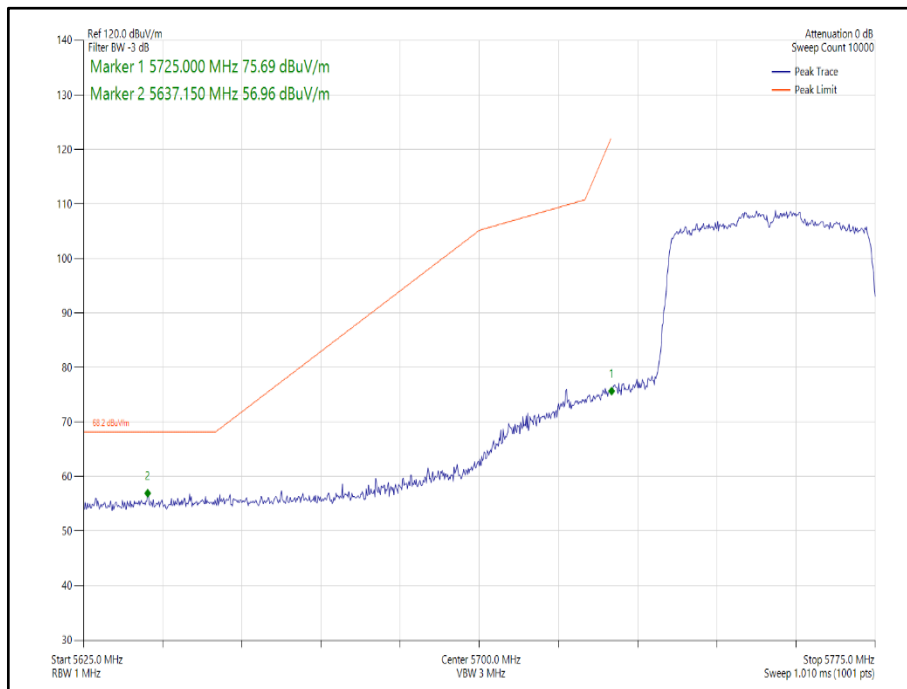
**Figure 205 - 802.11ax HE40, Core 1, SU - 5670 MHz
Band Edge Frequency 5725 MHz**



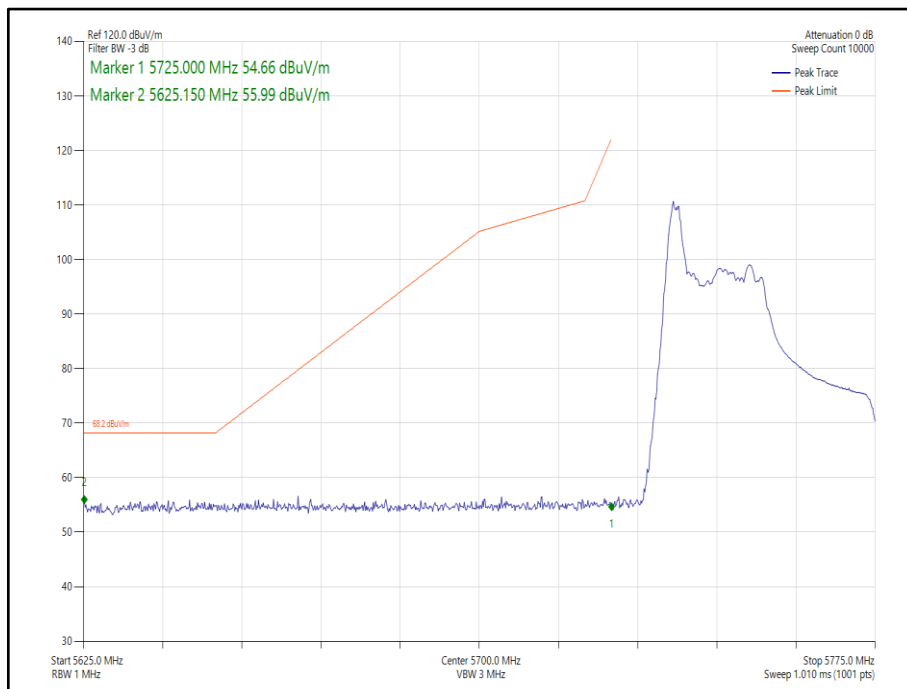
**Figure 206 - 802.11ax HE40, Core 1, 52-44 - 5670 MHz
Band Edge Frequency 5725 MHz**



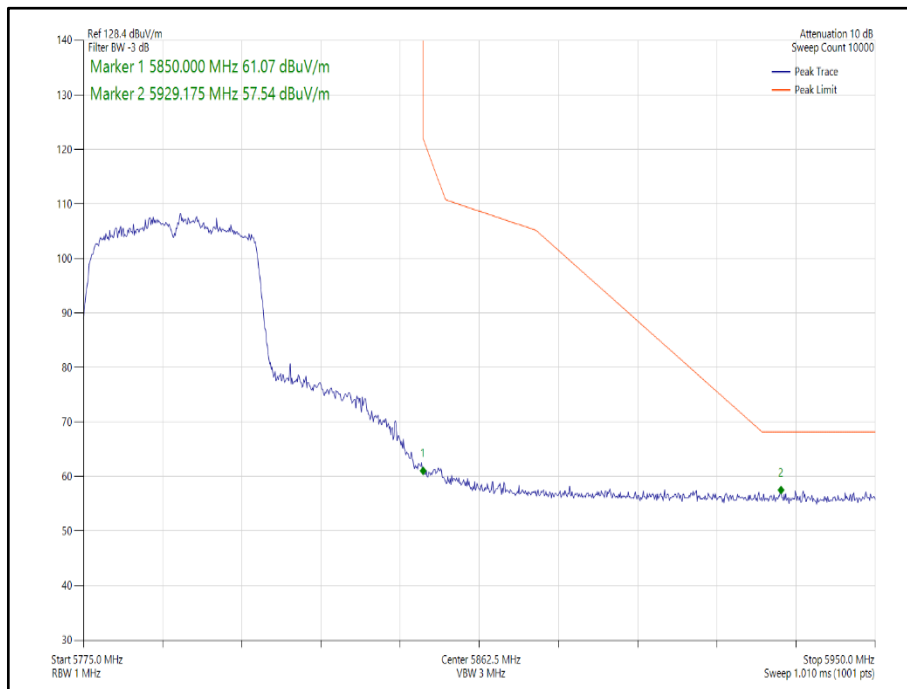
**Figure 207 - 802.11n HT40, Core 0 - 5755 MHz
Band Edge Frequency 5725 MHz**



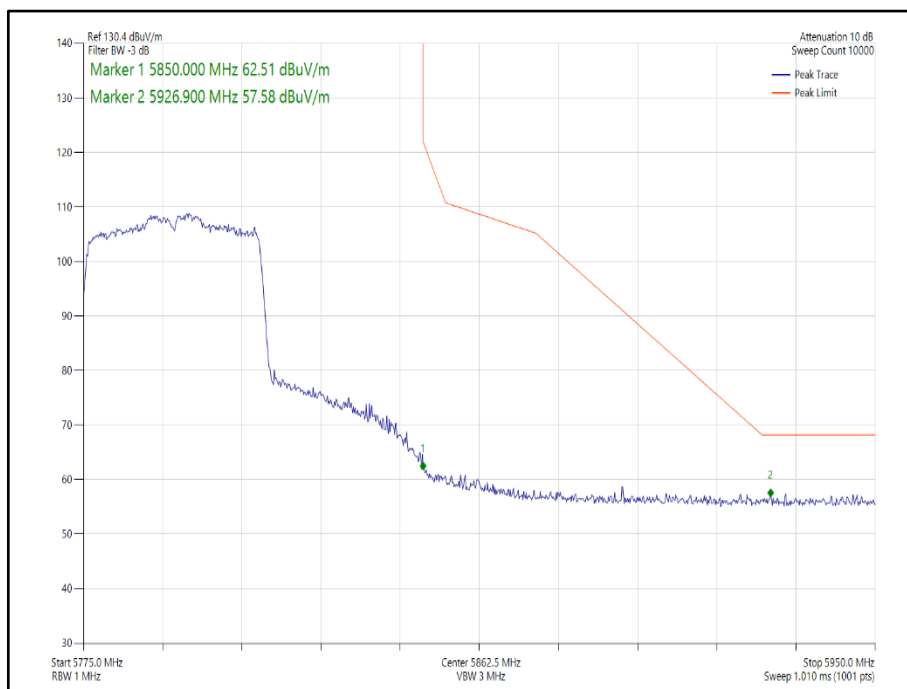
**Figure 208 - 802.11ax HE40, Core 0, SU - 5755 MHz
Band Edge Frequency 5725 MHz**



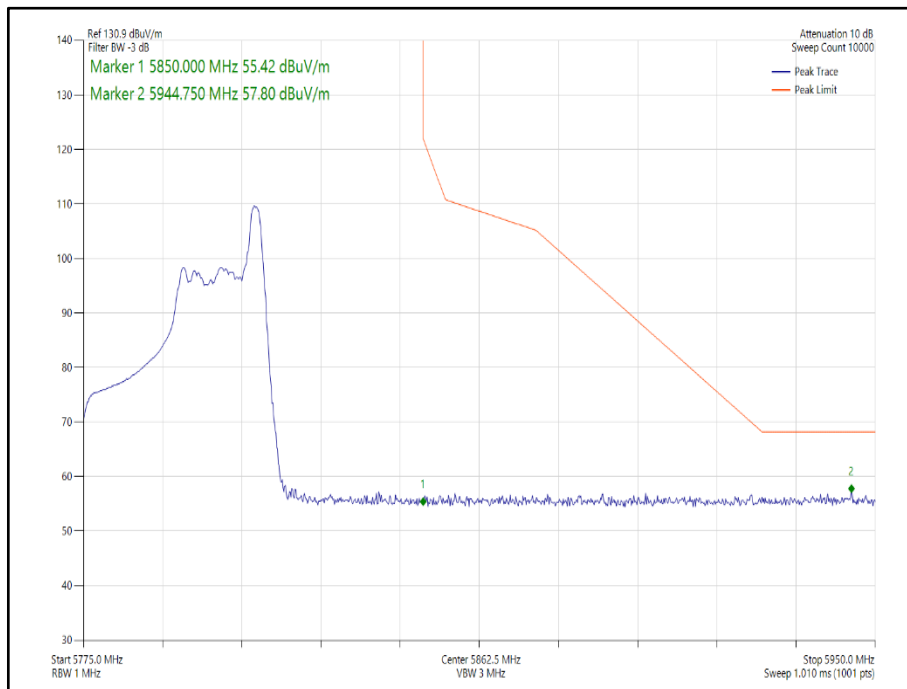
**Figure 209 - 802.11ax HE40, Core 0, 26-0 - 5755 MHz
Band Edge Frequency 5725 MHz**



**Figure 210 - 802.11n HT40, Core 0 - 5795 MHz
Band Edge Frequency 5850 MHz**



**Figure 211 - 802.11ax HE40, Core 0, SU - 5795 MHz
Band Edge Frequency 5850 MHz**



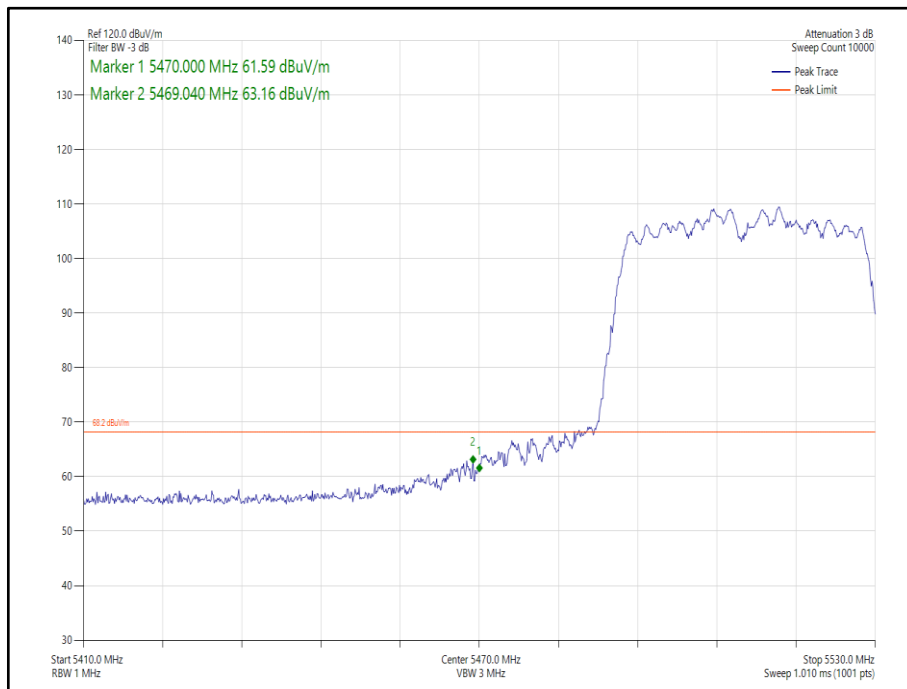
**Figure 212 - 802.11ax HE40, Core 0, 26-17 - 5795 MHz
Band Edge Frequency 5850 MHz**



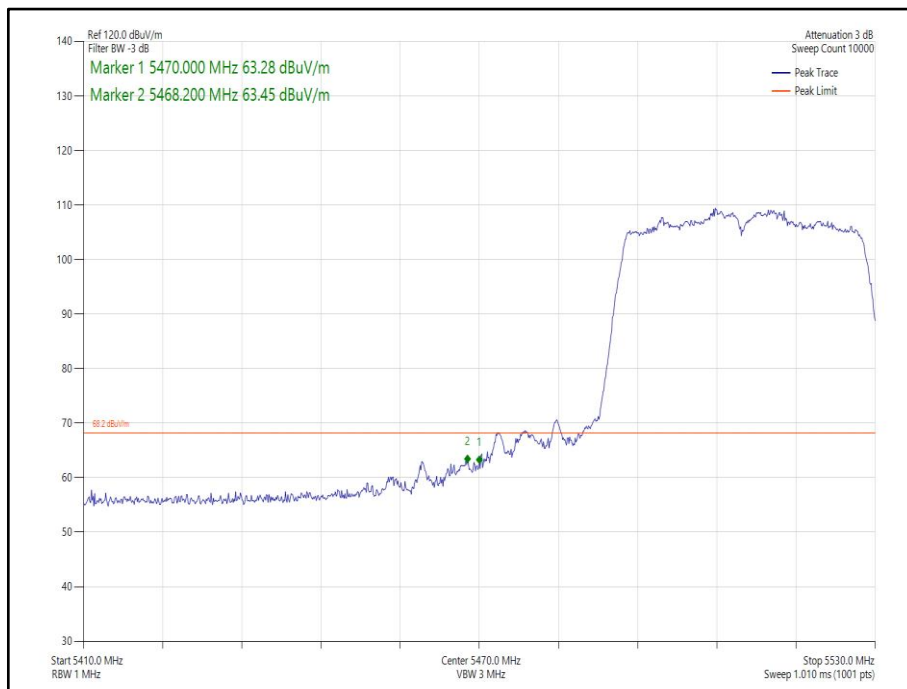
40 MHz Bandwidth (2TX MIMO)

Mode	Data Rate/ MCS	Resource size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuV/m)
802.11n HT40 CDD, Cores 0-1	MCS 4	-	-	5510	5470	63.16
802.11n HT40 SDM, Cores 0-1	MCS 12	-	-	5510	5470	63.45
802.11ax HE40 CDD, Cores 0-1	MCS 11x1	SU	-	5510	5470	63.69
802.11ax HE40 CDD, Cores 0-1	MCS 11x1	52	37	5510	5470	59.16
802.11ax HE40 SDM, Cores 0-1	MCS 4x2	SU	-	5510	5470	63.52
802.11ax HE40 SDM, Cores 0-1	MCS 11x2	52	37	5510	5470	63.13
802.11n HT40 CDD, Cores 0-1	MCS 4	-	-	5670	5725	63.30
802.11n HT40 SDM, Cores 0-1	MCS 15	-	-	5670	5725	63.18
802.11ax HE40 CDD, Cores 0-1	MCS 11x1	SU	-	5670	5725	63.37
802.11ax HE40 CDD, Cores 0-1	MCS 11x1	52	44	5670	5725	57.90
802.11ax HE40 SDM, Cores 0-1	MCS 2x2	SU	-	5670	5725	63.62
802.11ax HE40 SDM, Cores 0-1	MCS 11x2	52	44	5670	5725	57.67
802.11n HT40, CDD Cores 0-1	MCS 4	-	-	5755	5725	60.26
802.11n HT40, SDM Cores 0-1	MCS 12	-	-	5755	5725	60.02
802.11ax HE40 CDD, Cores 0-1	MCS 11x1	SU	-	5755	5725	60.04
802.11ax HE40 CDD, Cores 0-1	MCS 11x1	26	0	5755	5725	56.72
802.11ax HE40 SDM, Cores 0-1	MCS 4x2	SU	-	5755	5725	58.36
802.11ax HE40 SDM, Cores 0-1	MCS 11x2	26	0	5755	5725	56.79
802.11n HT40 CDD, Cores 0-1	MCS 4	-	-	5795	5850	59.04
802.11n HT40 SDM, Cores 0-1	MCS 10	-	-	5795	5850	59.14
802.11ax HE40 CDD, Cores 0-1	MCS 4x1	SU	-	5795	5850	59.02
802.11ax HE40 CDD, Cores 0-1	MCS 11x1	26	17	5795	5850	57.47
802.11ax HE40 SDM, Cores 0-1	MCS 11x2	SU	-	5795	5850	59.49
802.11ax HE40 SDM, Cores 0-1	MCS 11x2	26	17	5795	5850	57.37

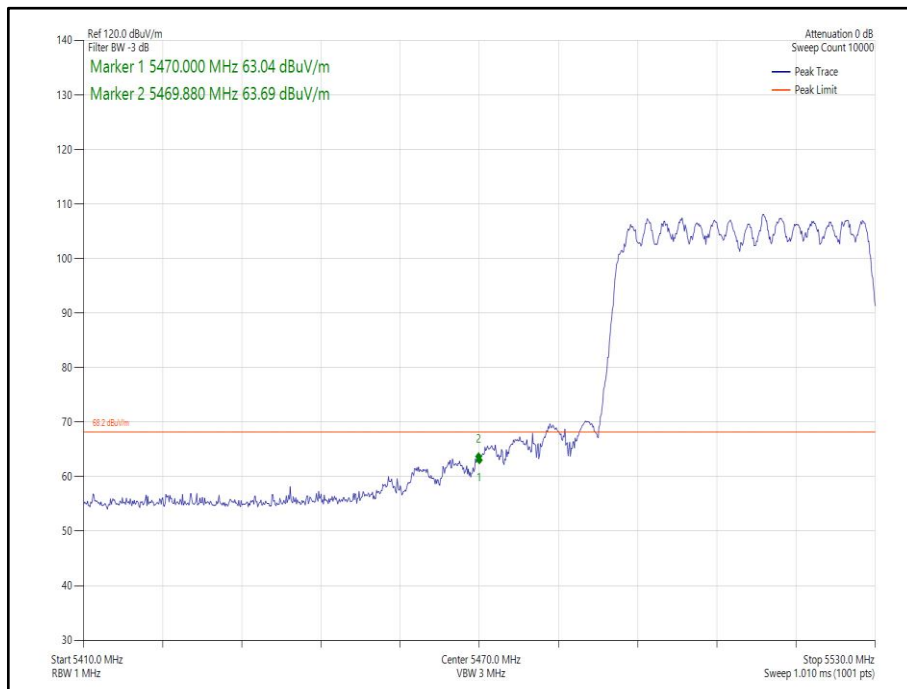
Table 483 - MIMO 2TX Authorised Band Edge Results



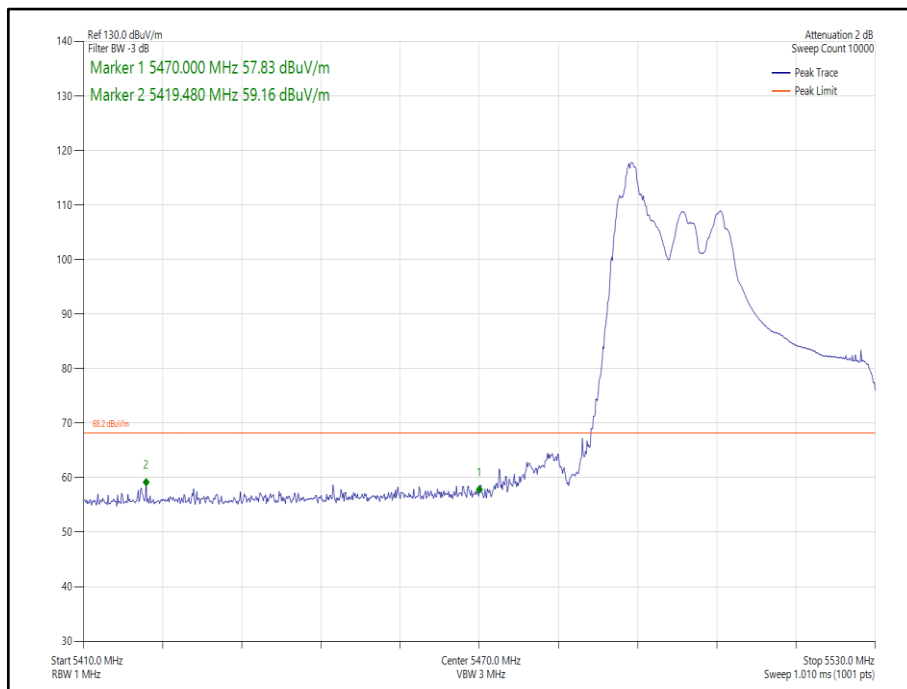
**Figure 213 - 802.11n HT40 CDD, Cores 0-1 - 5510 MHz
Band Edge Frequency 5470 MHz**



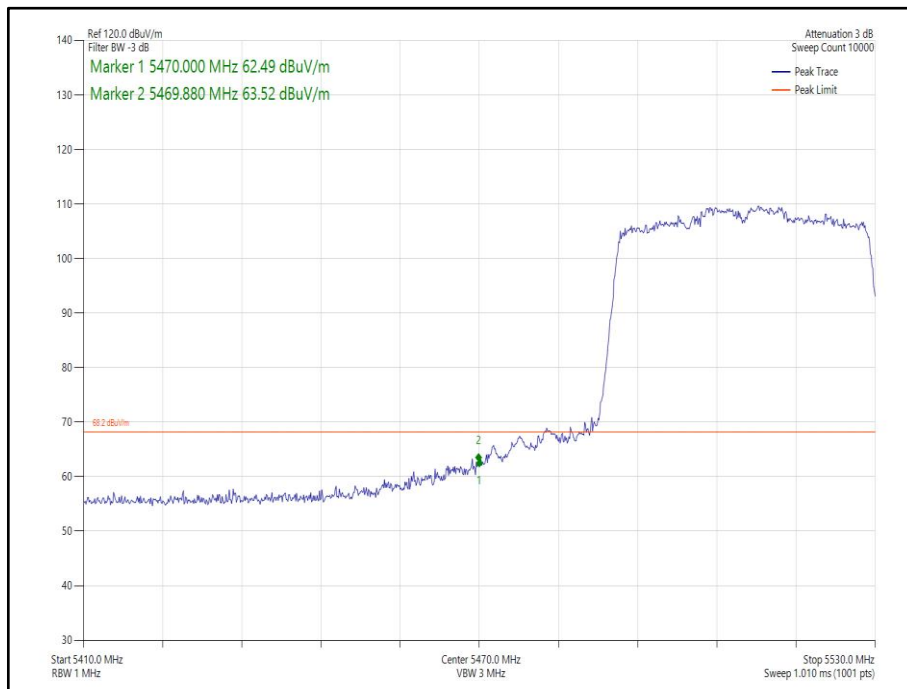
**Figure 214 - 802.11n HT40 SDM, Cores 0-1 - 5510 MHz
Band Edge Frequency 5470 MHz**



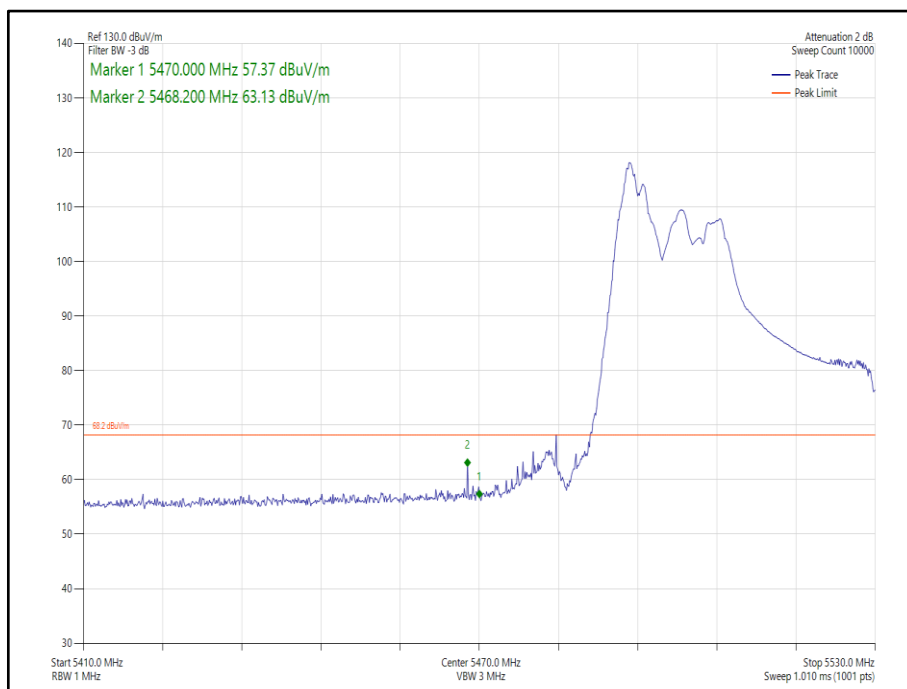
**Figure 215 - 802.11ax HE40 CDD, Cores 0-1, SU - 5510 MHz
Band Edge Frequency 5470 MHz**



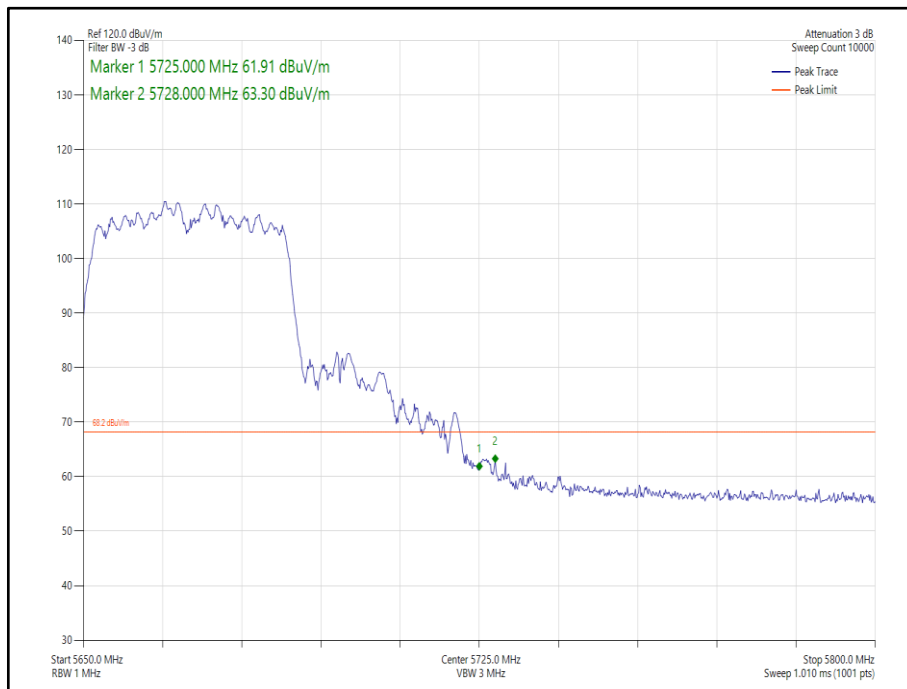
**Figure 216 - 802.11ax HE40 CDD, Cores 0-1, 52-37 - 5510 MHz
Band Edge Frequency 5470 MHz**



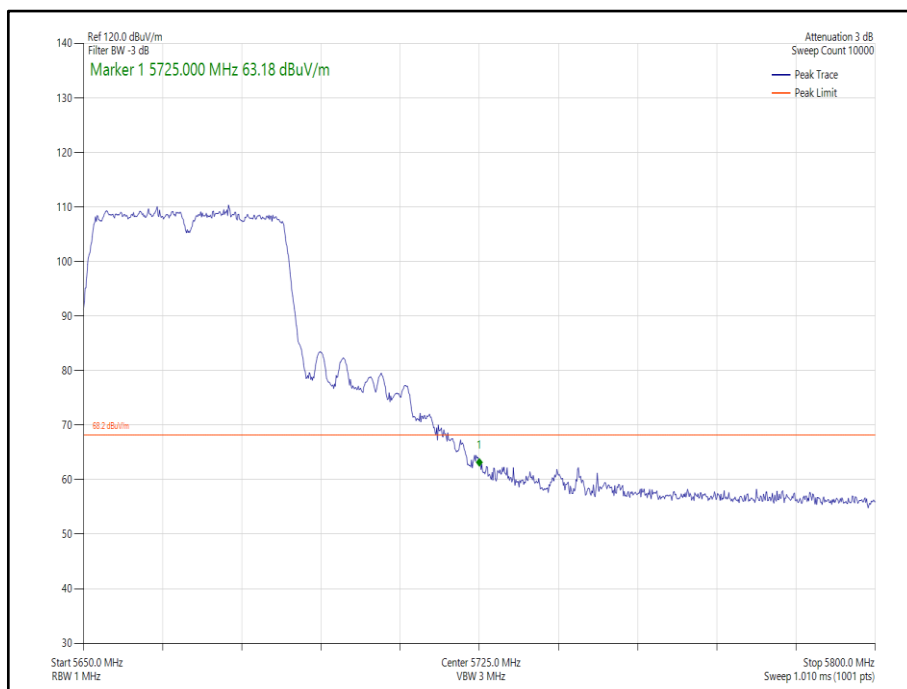
**Figure 217 - 802.11ax HE40 SDM, Cores 0-1, SU - 5510 MHz
Band Edge Frequency 5470 MHz**



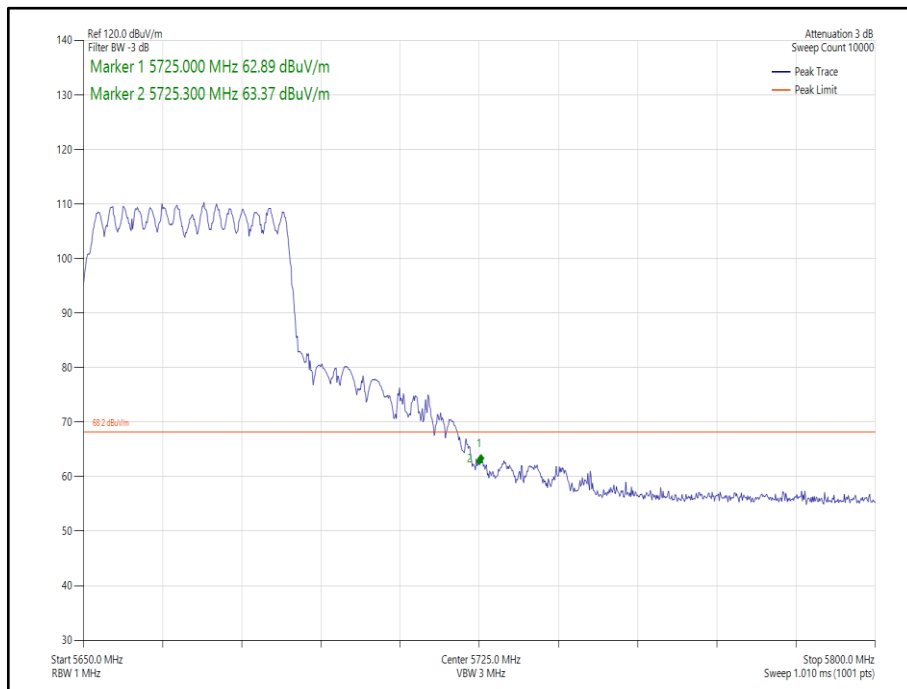
**Figure 218 - 802.11ax HE40 SDM, Cores 0-1, 52-37 - 5510 MHz
Band Edge Frequency 5470 MHz**



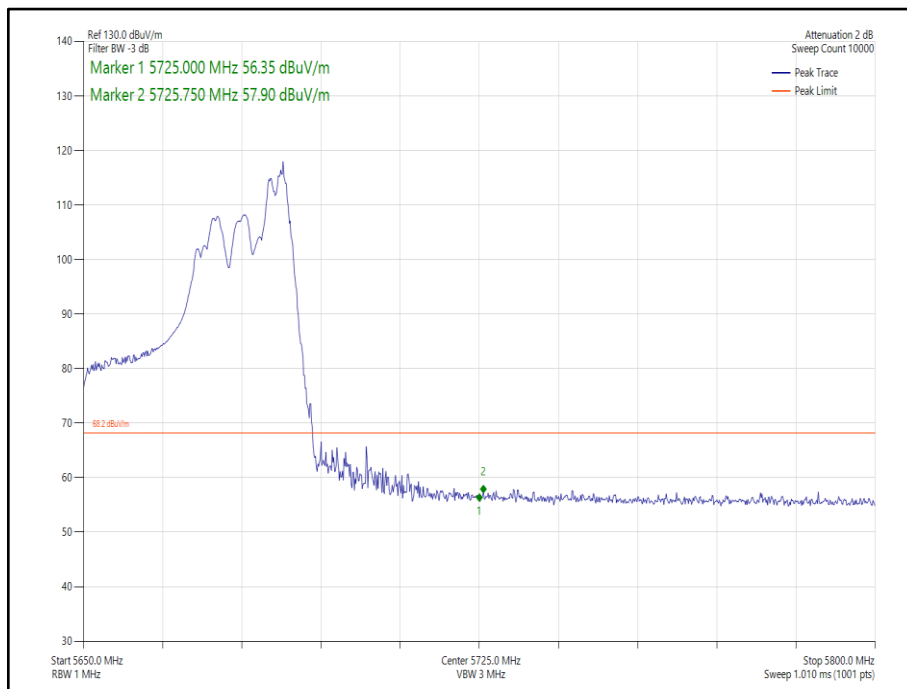
**Figure 219 - 802.11n HT40 CDD, Cores 0-1 - 5670 MHz
Band Edge Frequency 5725 MHz**



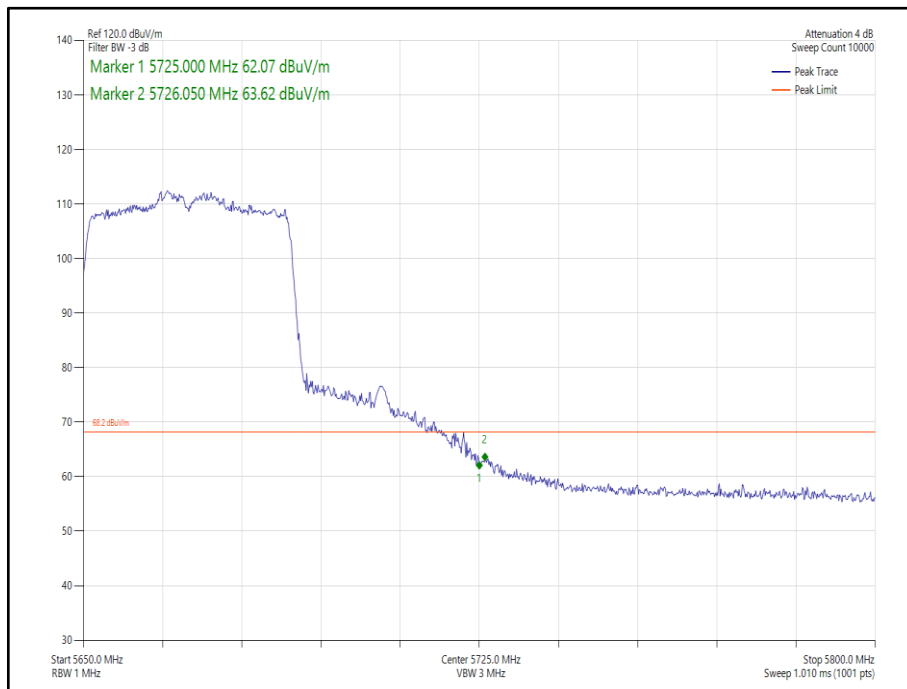
**Figure 220 - 802.11n HT40 SDM, Cores 0-1 - 5670 MHz
Band Edge Frequency 5725 MHz**



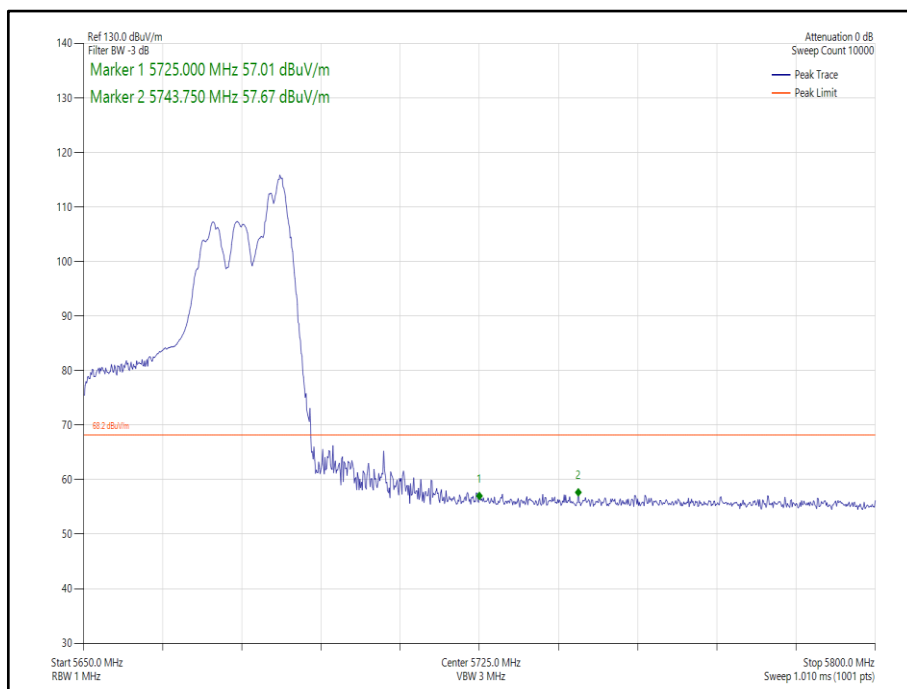
**Figure 221 - 802.11ax HE40 CDD, Cores 0-1, SU - 5670 MHz
Band Edge Frequency 5725 MHz**



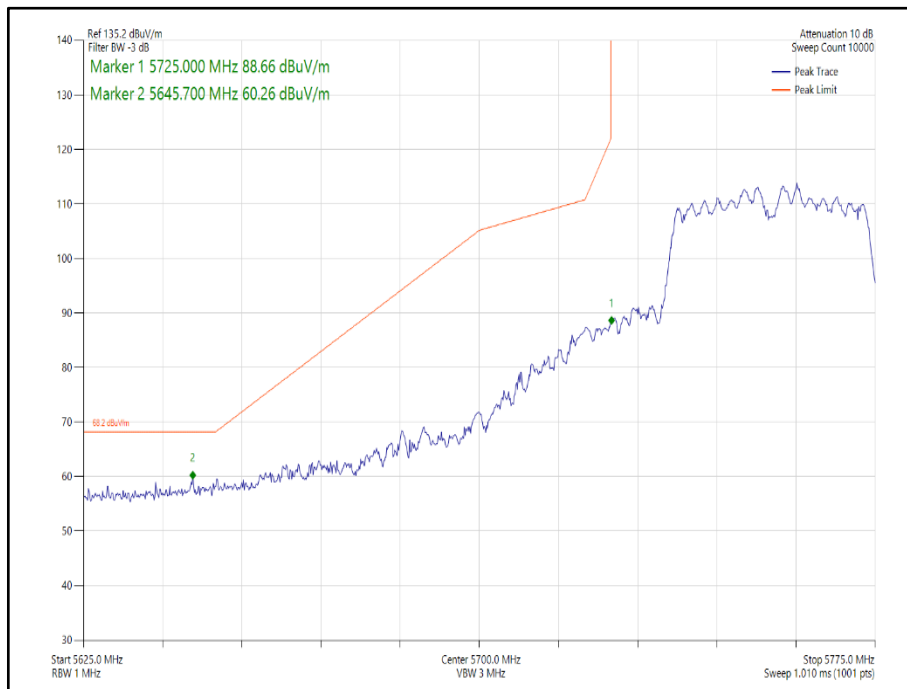
**Figure 222 - 802.11ax HE40 CDD, Cores 0-1, 52-44 - 5670 MHz
Band Edge Frequency 5725 MHz**



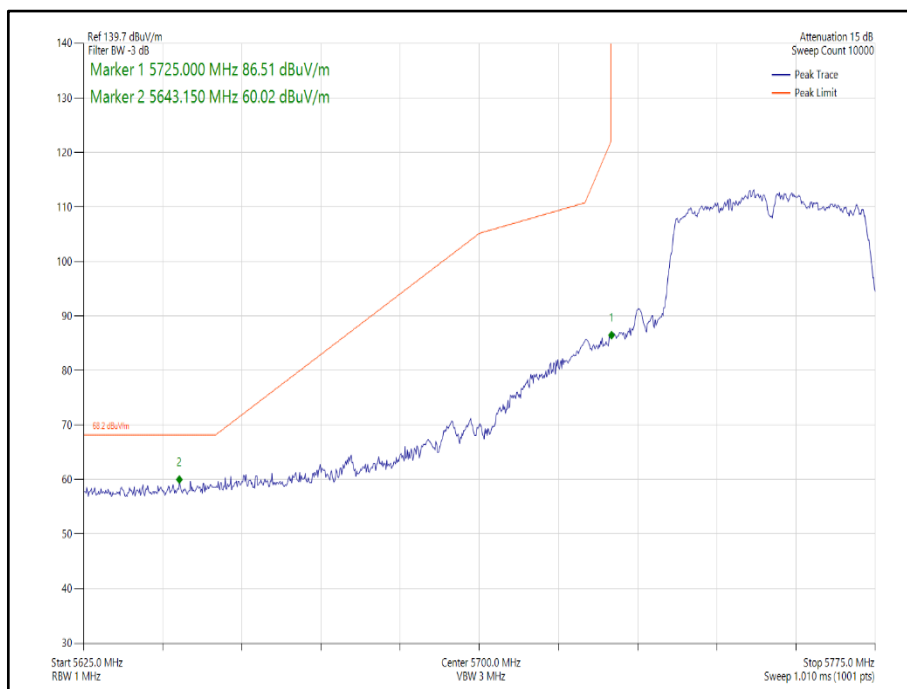
**Figure 223 - 802.11ax HE40 SDM, Cores 0-1, SU - 5670 MHz
Band Edge Frequency 5725 MHz**



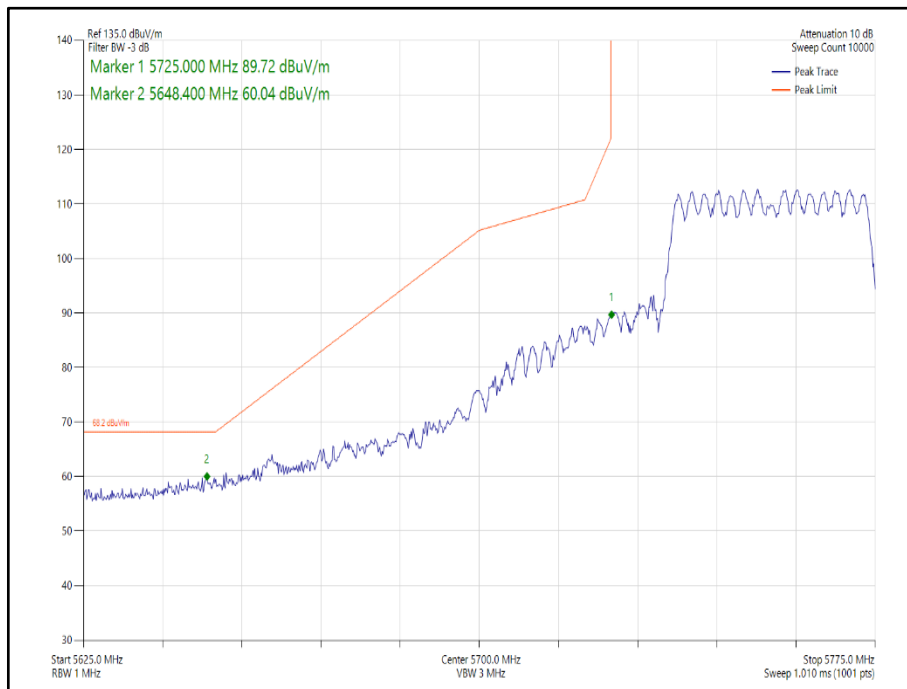
**Figure 224 - 802.11ax HE40 SDM, Cores 0-1, 52-44 - 5670 MHz
Band Edge Frequency 5725 MHz**



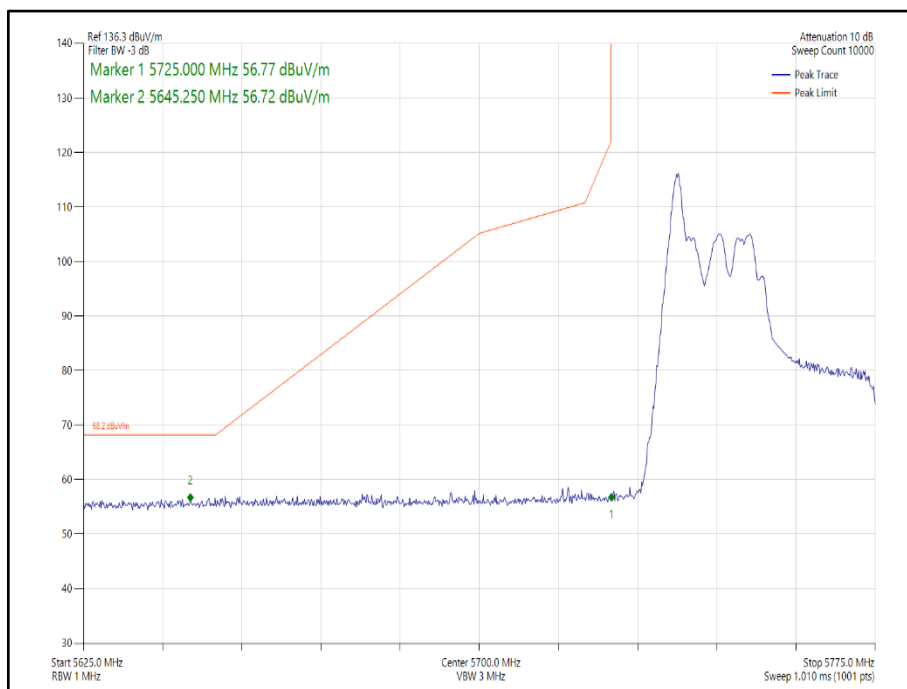
**Figure 225 - 802.11n HT40 CDD, Cores 0-1 - 5755 MHz
Band Edge Frequency 5725 MHz**



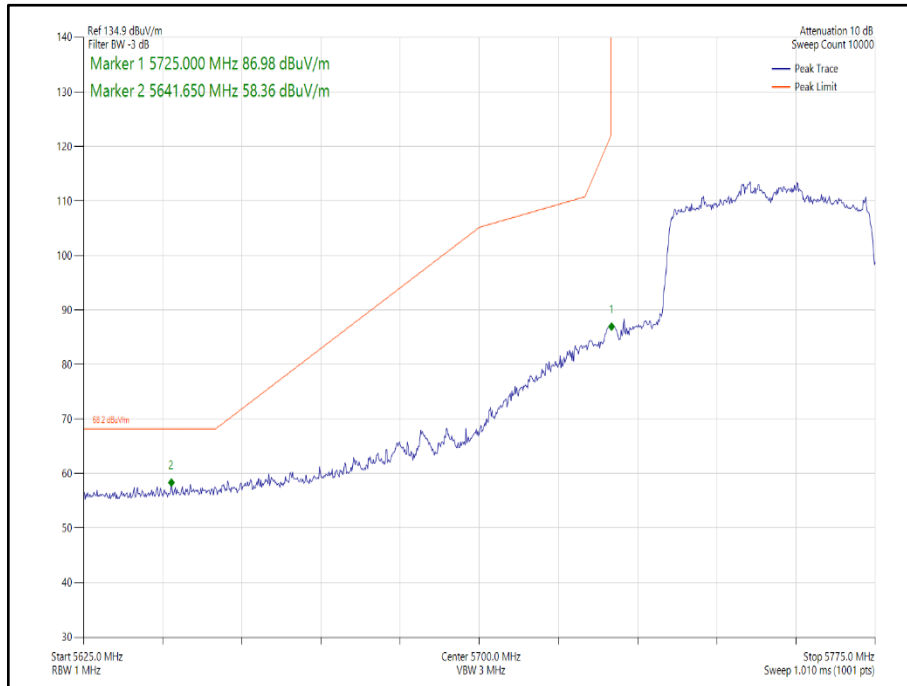
**Figure 226 - 802.11n HT40 SDM, Cores 0-1 - 5755 MHz
Band Edge Frequency 5725 MHz**



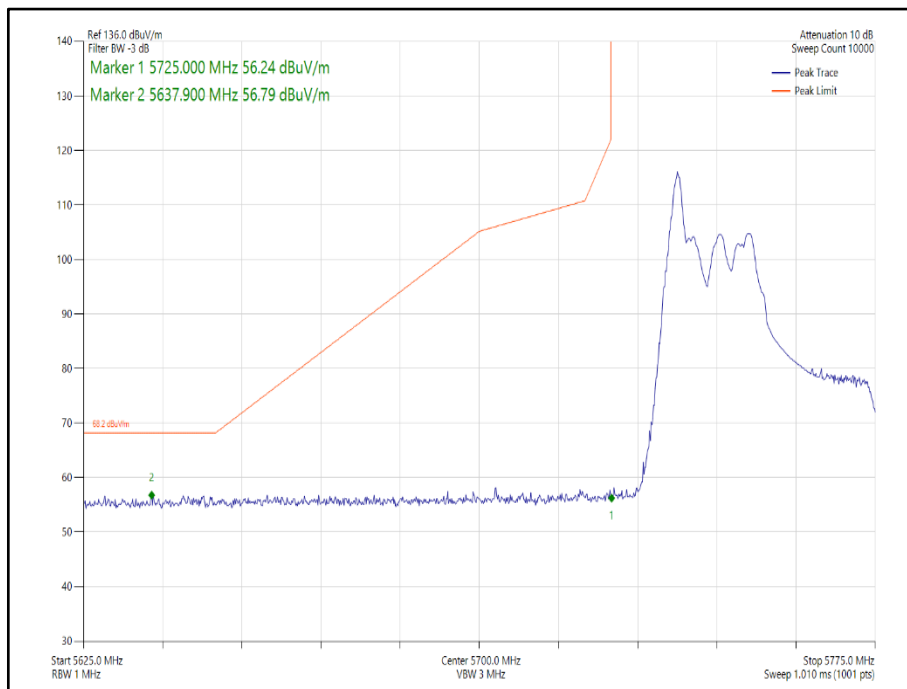
**Figure 227 - 802.11ax HE40 CDD, Cores 0-1, SU - 5755 MHz
Band Edge Frequency 5725 MHz**



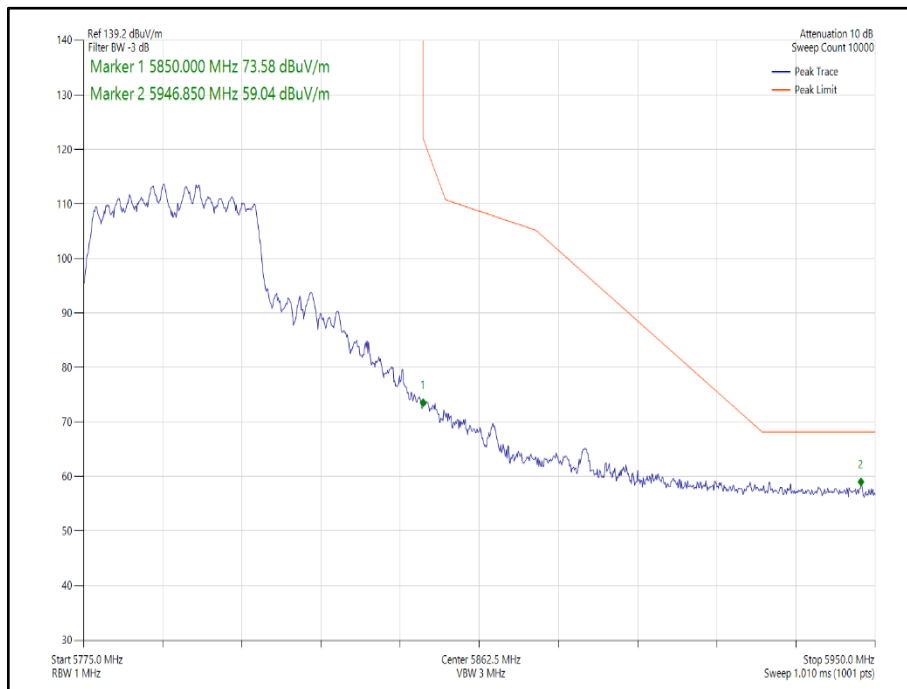
**Figure 228 - 802.11ax HE40 CDD, Cores 0-1, 26-0 - 5755 MHz
Band Edge Frequency 5725 MHz**



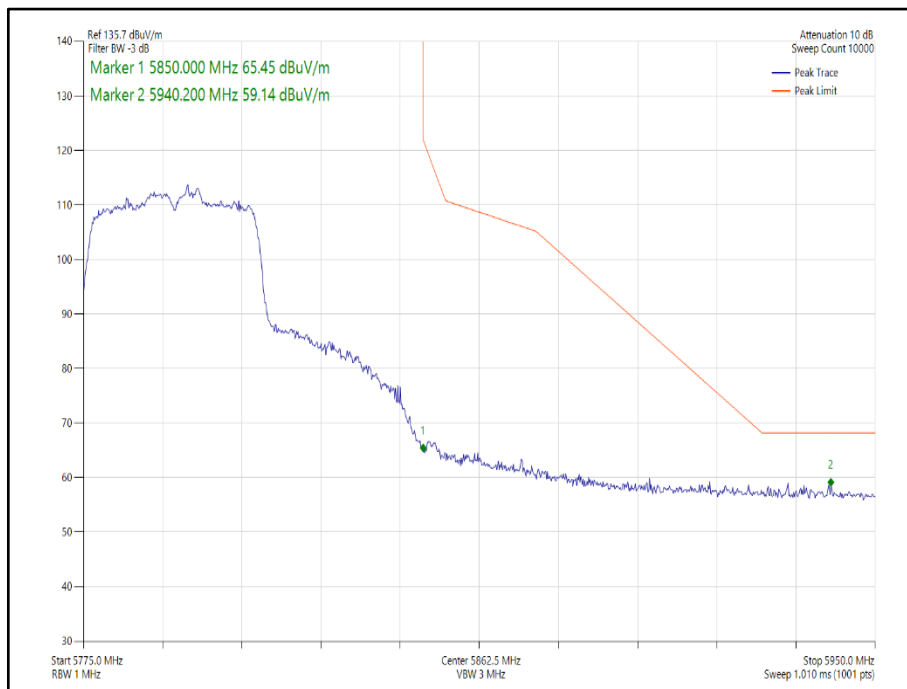
**Figure 229 - 802.11ax HE40 SDM, Cores 0-1, SU - 5755 MHz
Band Edge Frequency 5725 MHz**



**Figure 230 - 802.11ax HE40 SDM, Cores 0-1, 26-0 - 5755 MHz
Band Edge Frequency 5725 MHz**



**Figure 231 - 802.11n HT40 CDD, Cores 0-1 - 5795 MHz
Band Edge Frequency 5850 MHz**



**Figure 232 - 802.11n HT40 SDM, Cores 0-1 - 5795 MHz
Band Edge Frequency 5850 MHz**

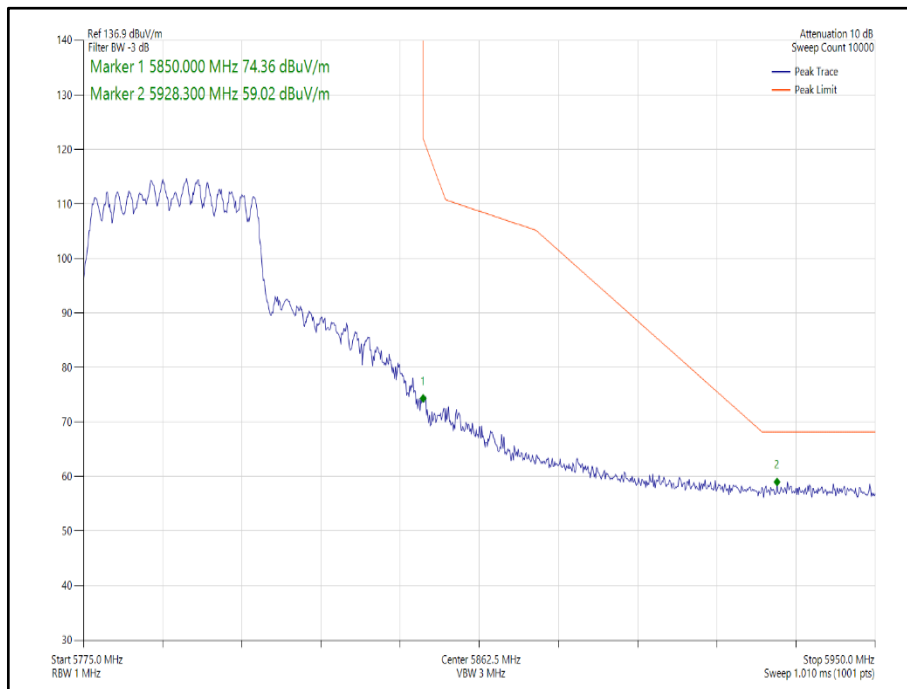


Figure 233

- 802.11ax HE40 CDD, Cores 0-1, SU - 5795 MHz
Band Edge Frequency 5850 MHz

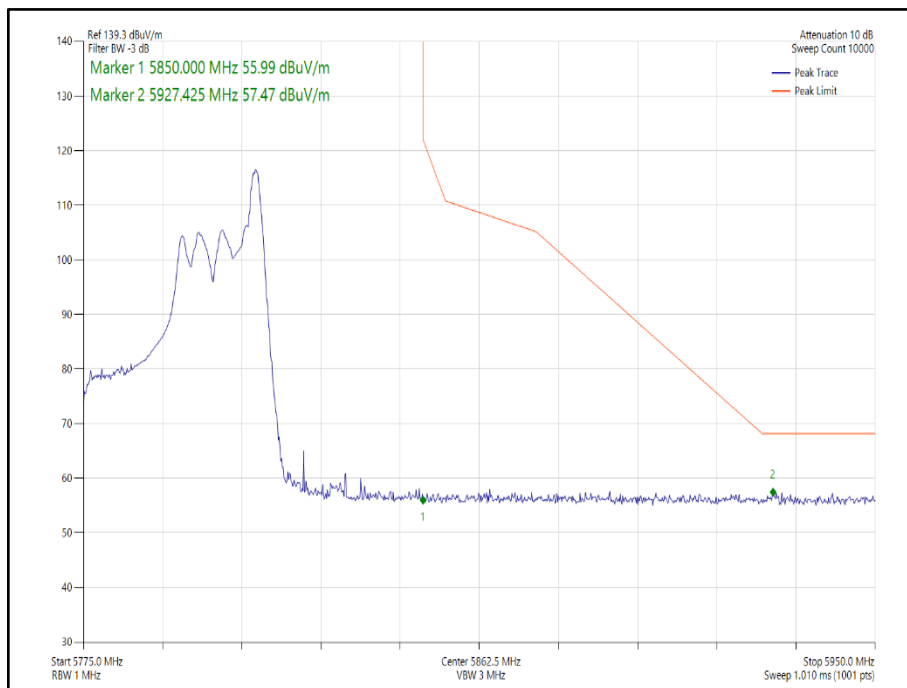
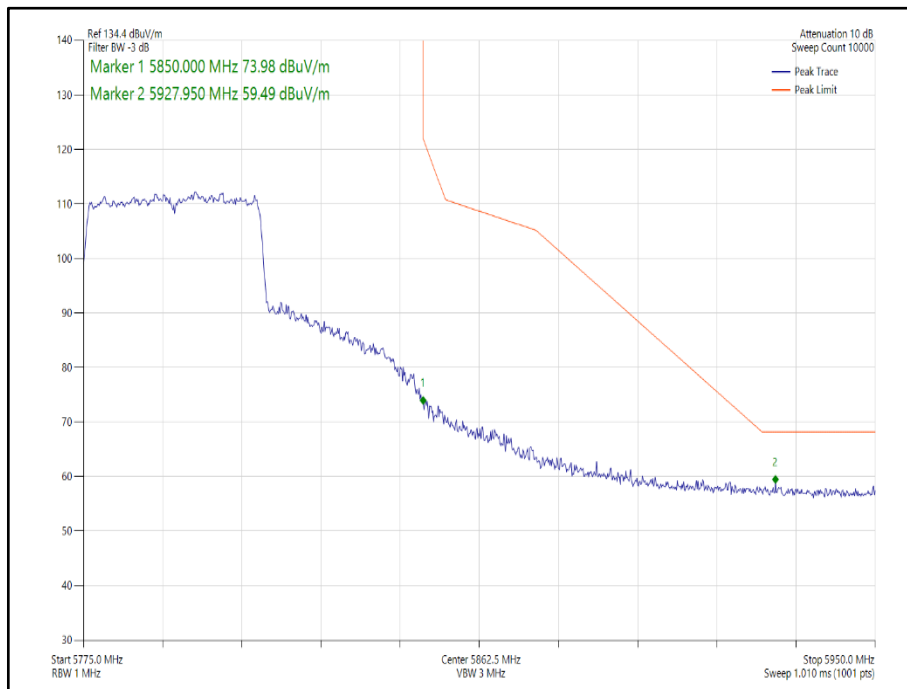
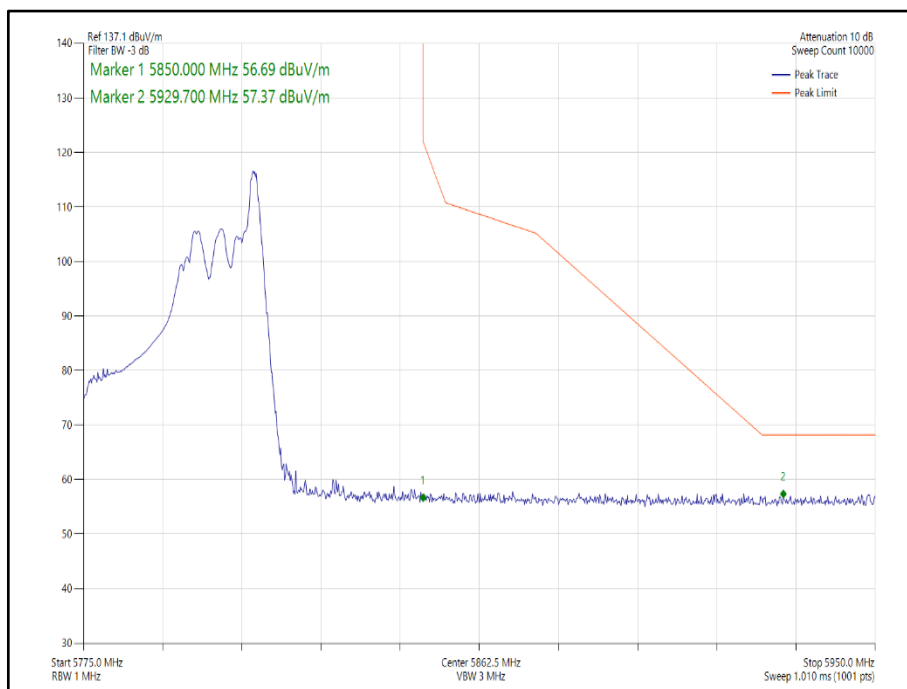


Figure 234 - 802.11ax HE40 CDD, Cores 0-1, 26-17 - 5795 MHz
Band Edge Frequency 5850 MHz



**Figure 235 - 802.11ax HE40 SDM, Cores 0-1, SU - 5795 MHz
Band Edge Frequency 5850 MHz**



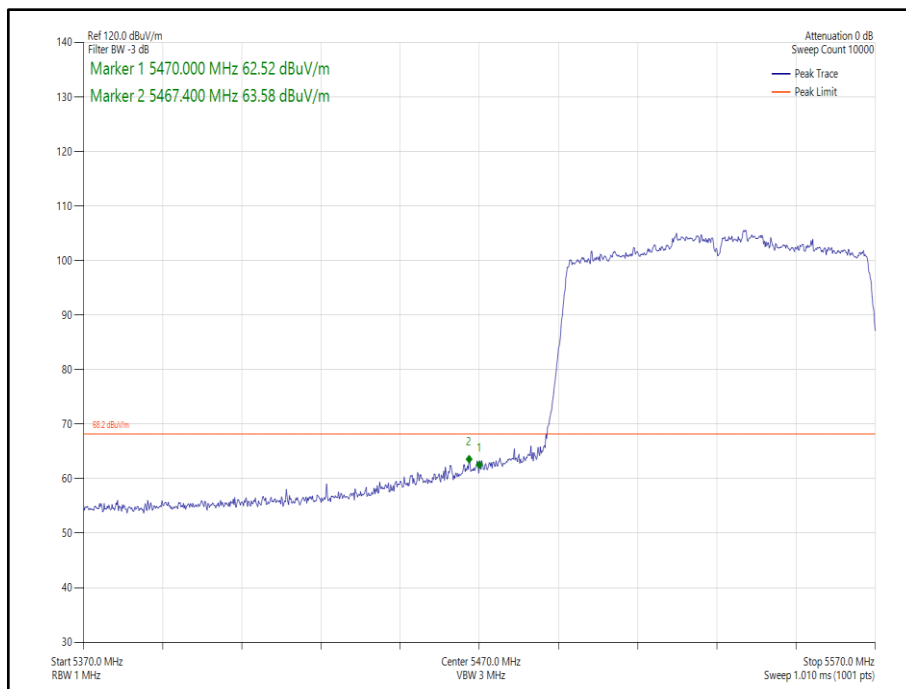
**Figure 236 - 802.11ax HE40 SDM, Cores 0-1, 26-17 - 5795 MHz
Band Edge Frequency 5850 MHz**



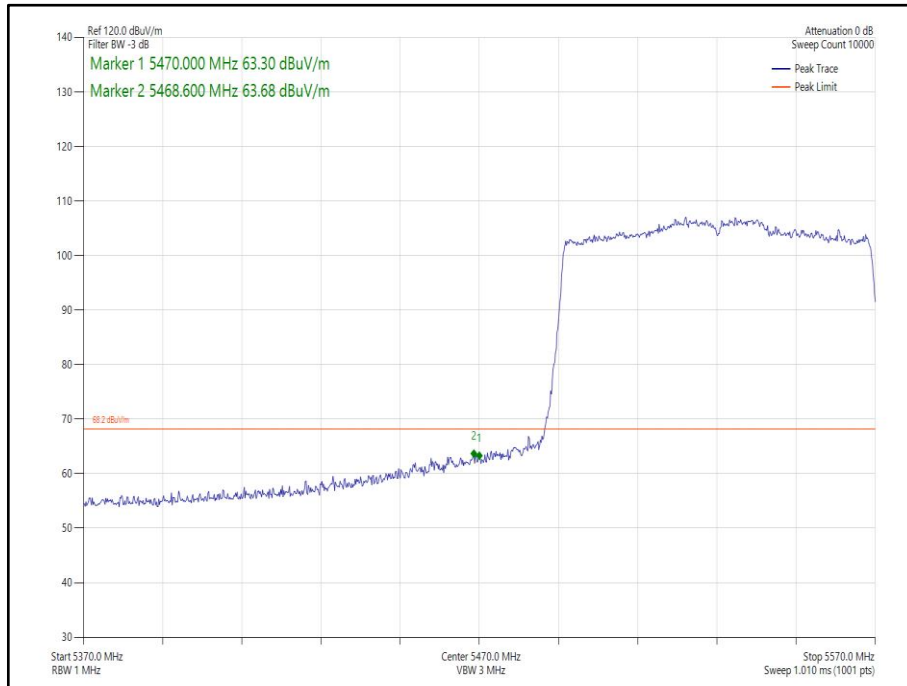
80 MHz Bandwidth (SISO)

Mode	Data Rate /MCS	Resource size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuV/m)
802.11ac VHT80, Core 1	MCS4x1	-	-	5530	5470	63.58
802.11ax HE80, Core 1	MCS2x1	SU	-	5530	5470	63.68
802.11ax HE80, Core 1	MCS11x1	52	37	5530	5470	60.13
802.11ac VHT80, Core 1	MCS7x1	-	-	5610	5725	61.78
802.11ax HE80, Core 1	MCS11x1	SU	-	5610	5725	62.29
802.11ax HE80, Core 1	MCS11x1	52	52	5610	5725	56.86
802.11ac VHT80, Core 0	MCS7x1	-	-	5775	5725	61.55
802.11ax HE80, Core 0	MCS11x1	SU	-	5775	5725	61.96
802.11ax HE80, Core 0	MCS11x1	26	0	5775	5725	57.16
802.11ac VHT80, Core 0	MCS7x1	-	-	5775	5850	57.90
802.11ax HE80, Core 0	MCS4x1	SU	-	5775	5850	57.51
802.11ax HE80, Core 0	MCS11x1	26	36	5775	5850	56.21

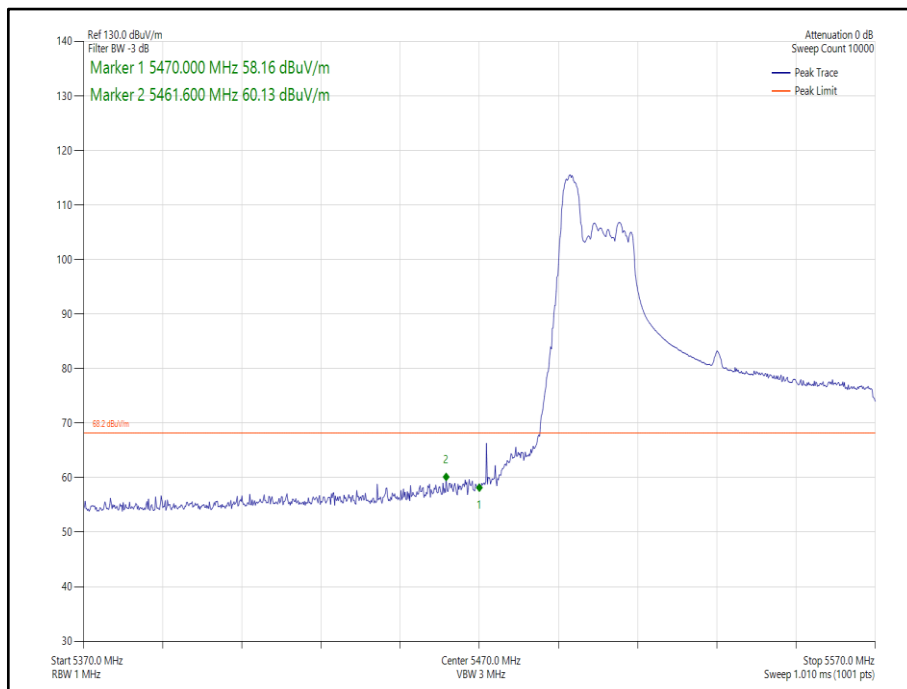
Table 484 - SISO Authorised Band Edge Results



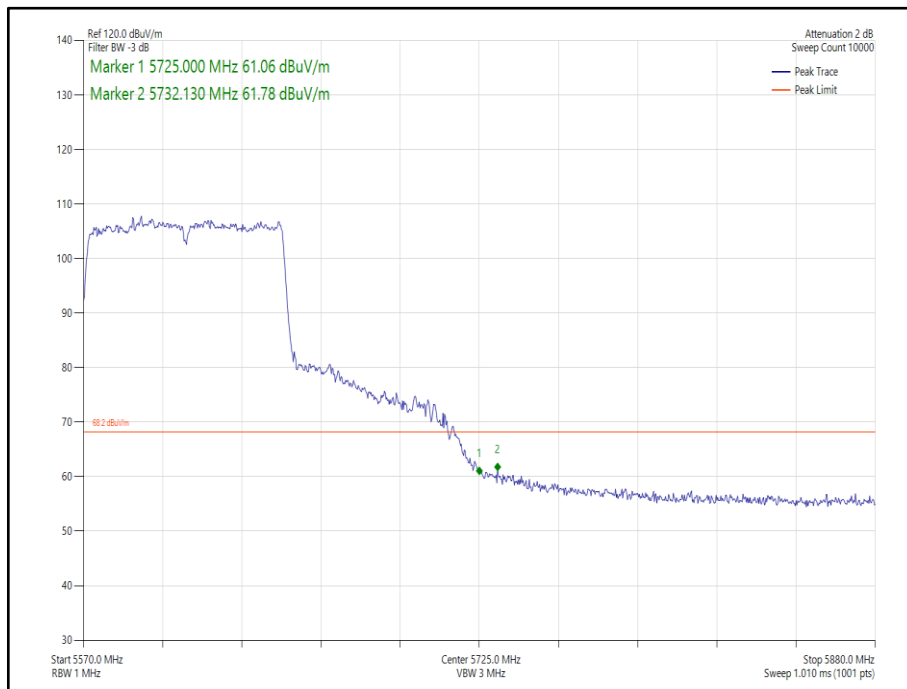
**Figure 237 - 802.11ac VHT80 Core 1 - 5530 MHz
 Band Edge Frequency 5470 MHz**



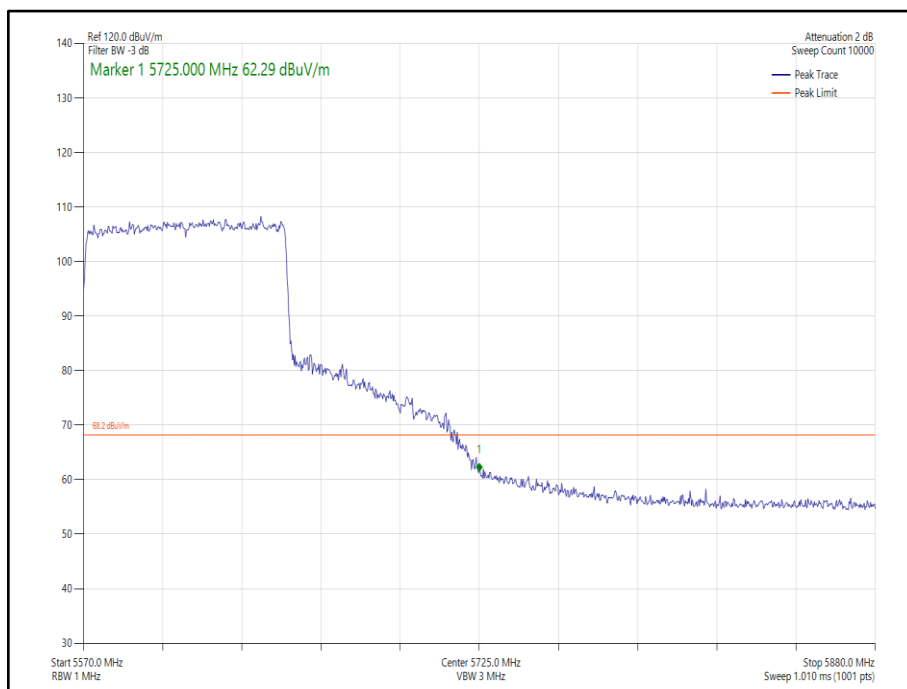
**Figure 238 - 802.11ax HE80 Core 1 SU - 5530 MHz
Band Edge Frequency 5470 MHz**



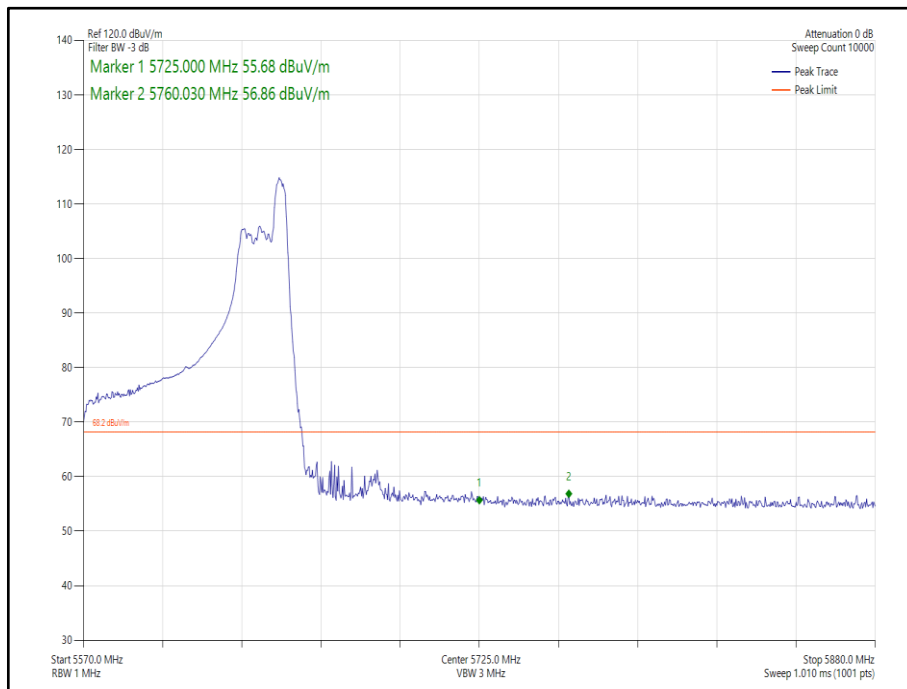
**Figure 239 - 802.11ax HE80 Core 1 52-37- 5530 MHz
Band Edge Frequency 5470 MHz**



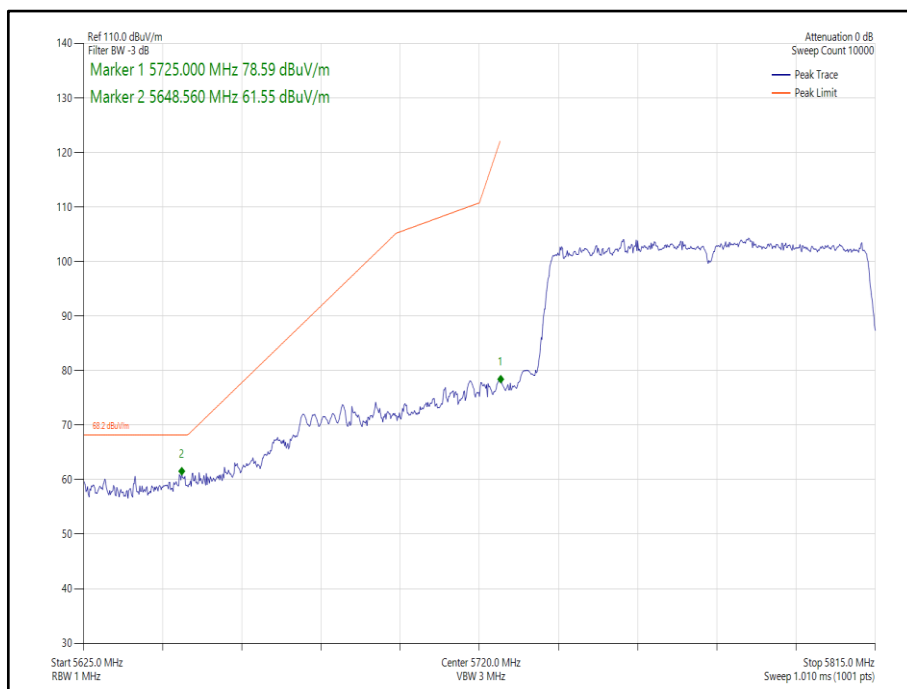
**Figure 240 - 802.11ac VHT80 Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz**



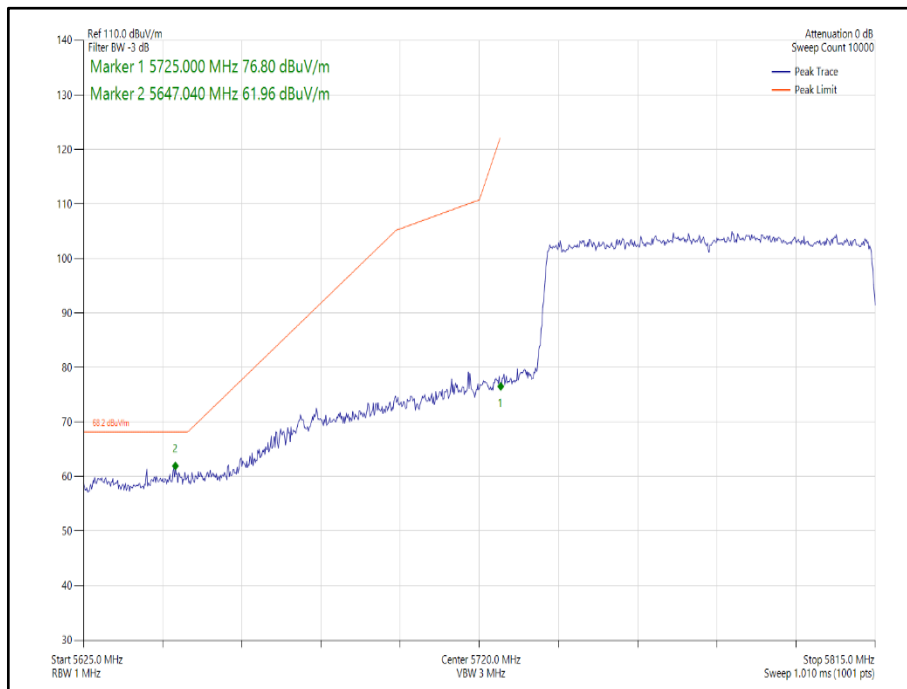
**Figure 241 - 802.11ax HE80 Core 1 SU - 5610 MHz
Band Edge Frequency 5725 MHz**



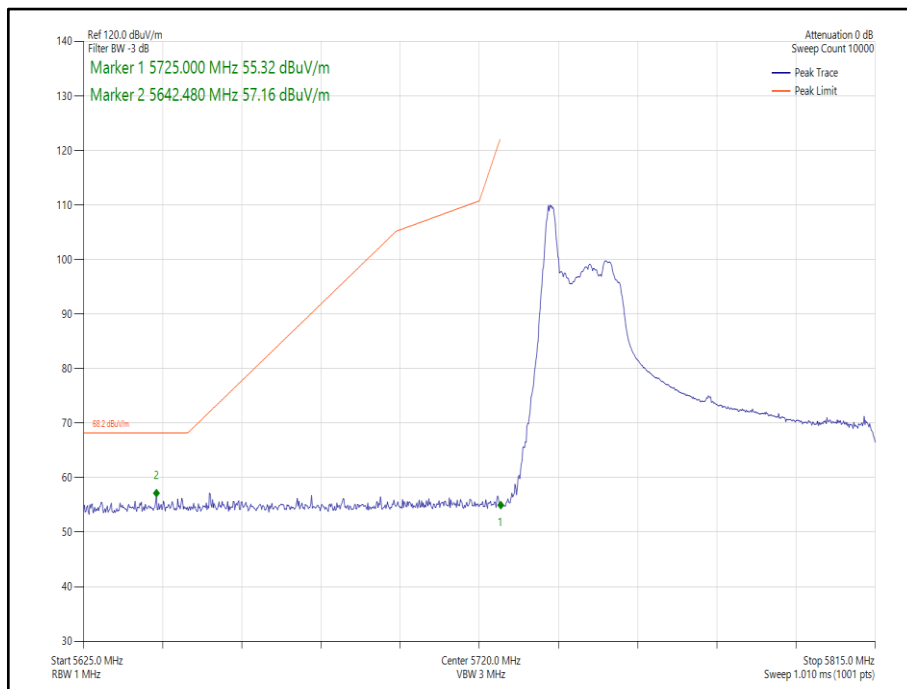
**Figure 242 - 802.11ax HE80 Core 1 52-52 - 5610 MHz
Band Edge Frequency 5725 MHz**



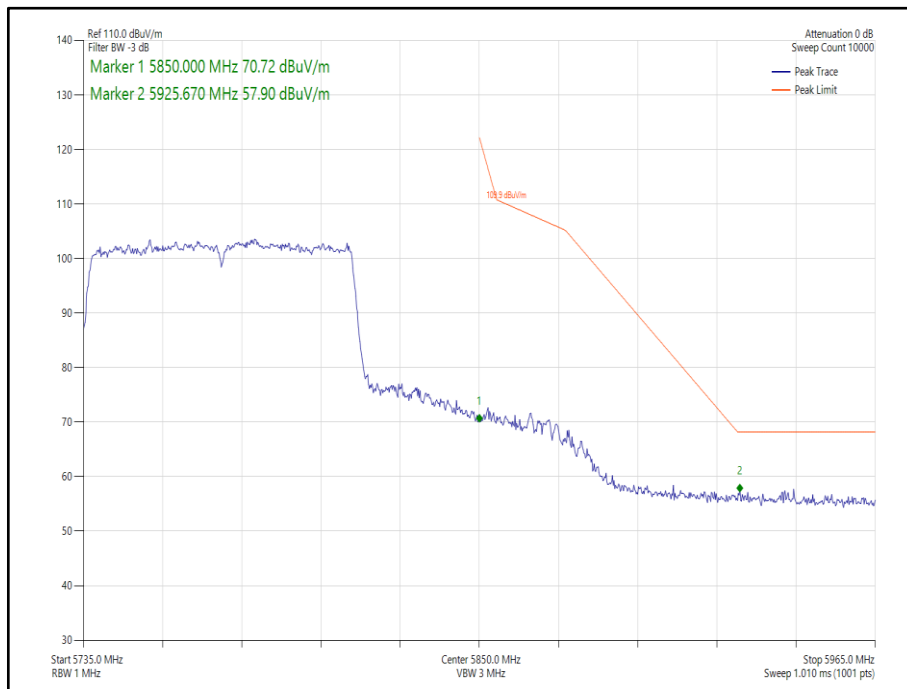
**Figure 243 - 802.11ac VHT80 Core 0 - 5775 MHz
Band Edge Frequency 5725 MHz**



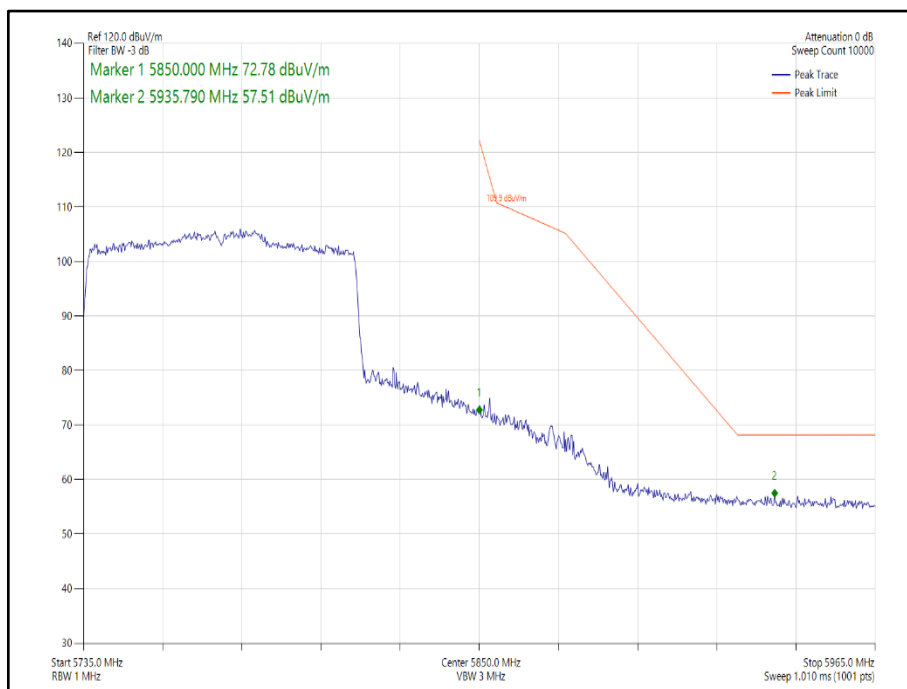
**Figure 244 - 802.11ax HE80 Core 0 SU - 5775 MHz
Band Edge Frequency 5725 MHz**



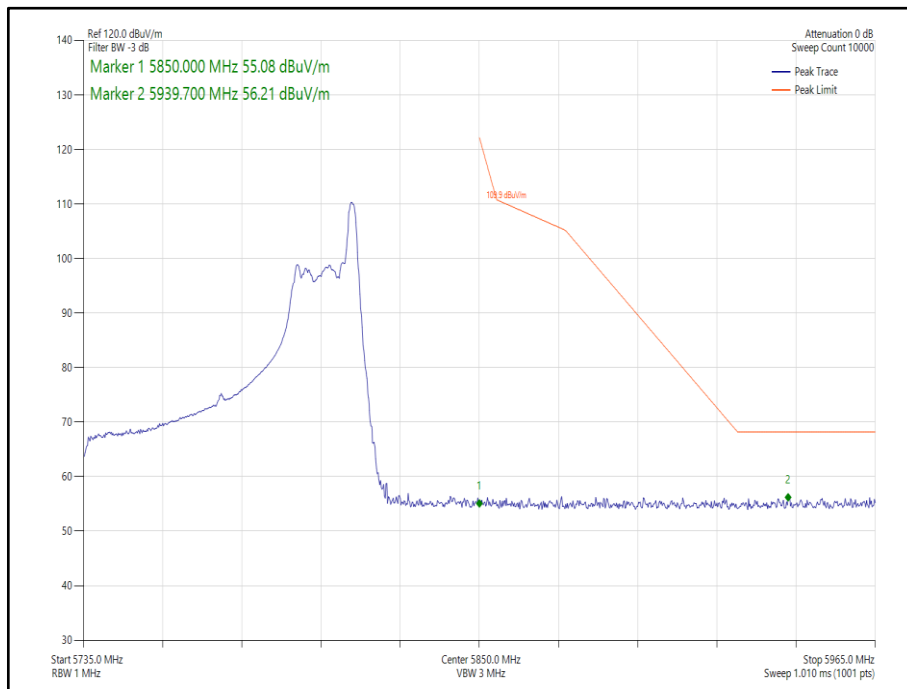
**Figure 245 - 802.11ax HE80 Core 0 26-0 - 5775 MHz
Band Edge Frequency 5725 MHz**



**Figure 246 - 802.11ac VHT80 Core 0 - 5775 MHz
Band Edge Frequency 5850 MHz**



**Figure 247 - 802.11ax HE80 Core 0 SU - 5775 MHz
Band Edge Frequency 5850 MHz**



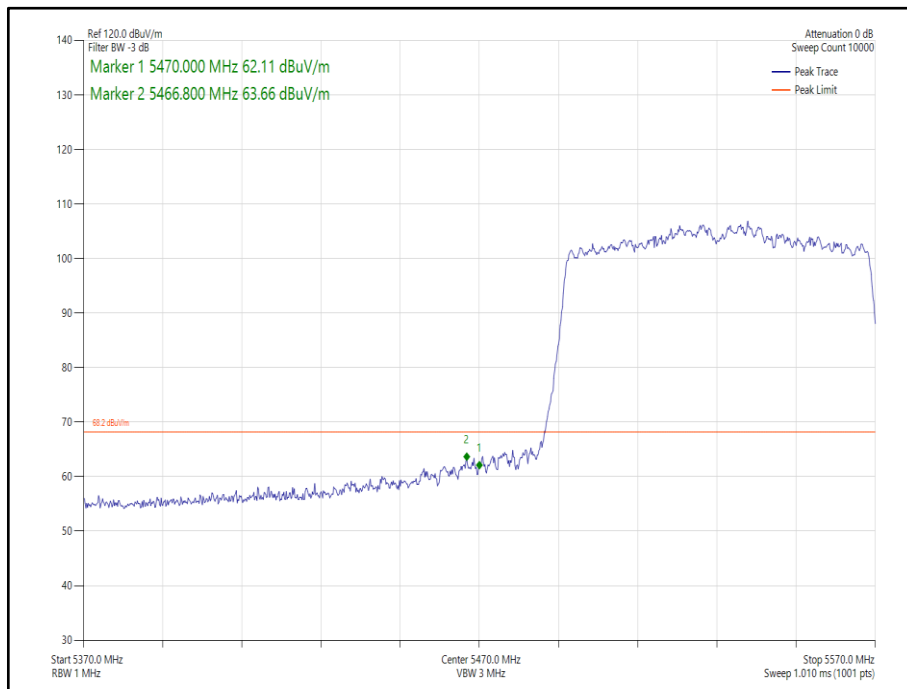
**Figure 248 - 802.11ax HE80 Core 0 26-36 - 5775 MHz
Band Edge Frequency 5850 MHz**



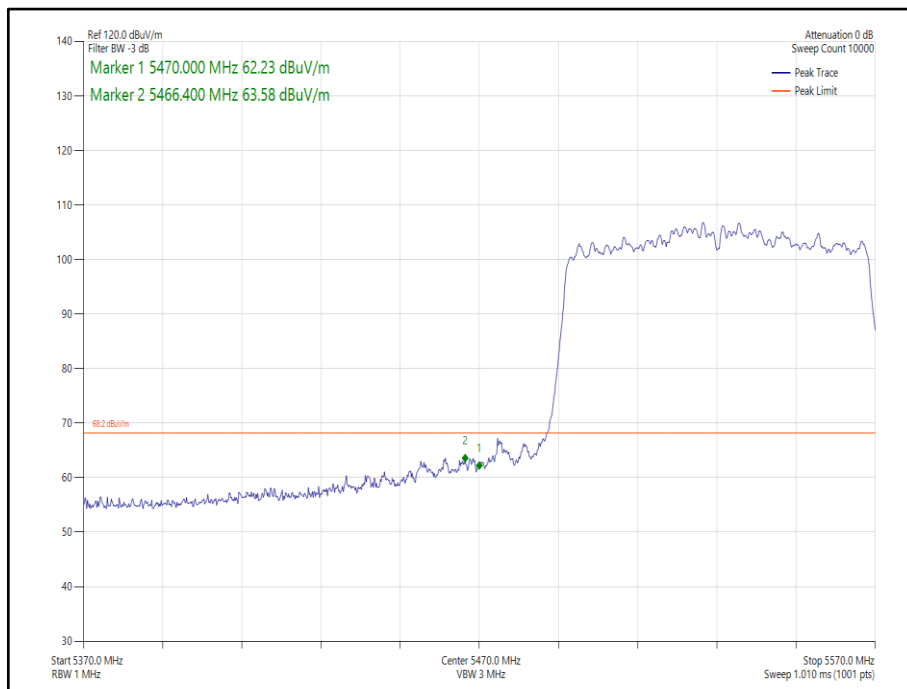
80 MHz Bandwidth (2TX MIMO)

Mode	Data Rate/ MCS	Resource size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuV/m)
802.11ac VHT80 CDD, Cores 0-1	MCS 2x1	-	-	5530	5470	63.66
802.11ac VHT80 SDM, Cores 0-1	MCS 2x2	-	-	5530	5470	63.58
802.11ax HE80 CDD, Cores 0-1	MCS 2x1	SU	-	5530	5470	63.08
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	52	37	5530	5470	63.01
802.11ax HE80 SDM, Cores 0-1	MCS 2x2	SU	-	5530	5470	63.52
802.11ax HE80 SDM, Cores 0-1	MCS 11x2	52	37	5530	5470	63.07
802.11ac VHT80 CDD, Cores 0-1	MCS 7x1	-	-	5610	5725	63.25
802.11ac VHT80 SDM, Cores 0-1	MCS 7x2	-	-	5610	5725	63.35
802.11ax HE80 CDD, Cores 0-1	MCS 4x1	SU	-	5610	5725	63.04
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	52	52	5610	5725	57.09
802.11ax HE80 SDM, Cores 0-1	MCS 4x2	SU	-	5610	5725	63.40
802.11ax HE80 SDM, Cores 0-1	MCS 11x2	52	52	5610	5725	57.86
802.11ac VHT80 CDD, Cores 0-1	MCS 2x1	-	-	5775	5725	63.66
802.11ac VHT80 SDM, Cores 0-1	MCS 2x2	-	-	5775	5725	63.65
802.11ax HE80 CDD, Cores 0-1	MCS 2x1	SU	-	5775	5725	63.50
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	26	0	5775	5725	56.59
802.11ax HE80 SDM, Cores 0-1	MCS 4x2	SU	-	5775	5725	63.18
802.11ax HE80 SDM, Cores 0-1	MCS 11x2	26	0	5775	5725	55.80
802.11ac VHT80 CDD, Cores 0-1	MCS 7x1	-	-	5775	5850	63.67
802.11ac VHT80 SDM, Cores 0-1	MCS 7x2	-	-	5775	5850	62.66
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	SU	-	5775	5850	62.83
802.11ax HE80 CDD, Cores 0-1	MCS 11x1	26	36	5775	5850	56.72
802.11ax HE80 SDM, Cores 0-1	MCS 11x2	SU	-	5775	5850	62.81
802.11ax HE80 SDM, Cores 0-1	MCS 11x2	26	36	5775	5850	57.39

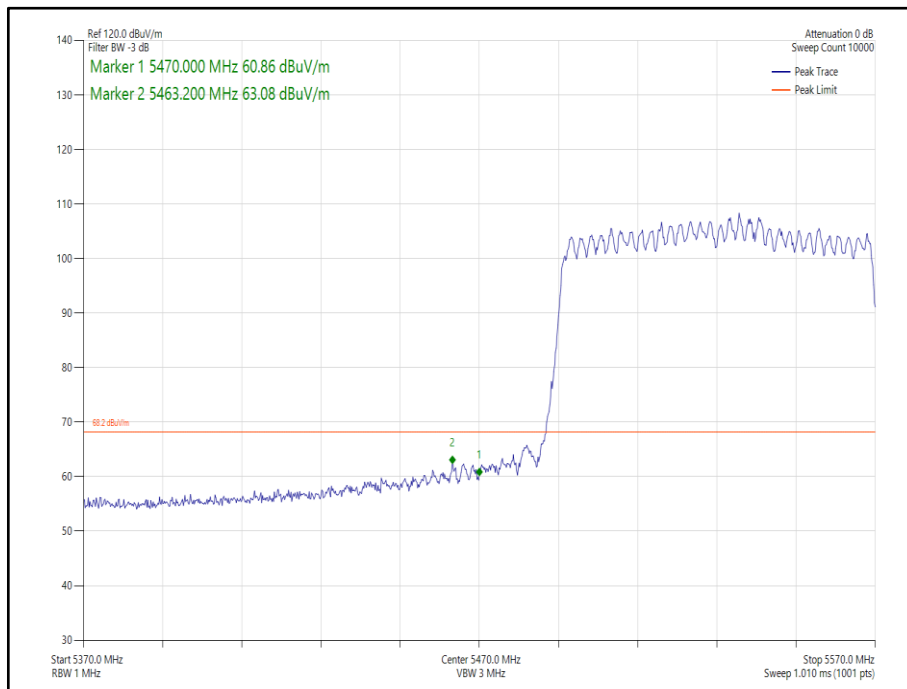
Table 485 - MIMO 2TX Authorised Band Edge Results



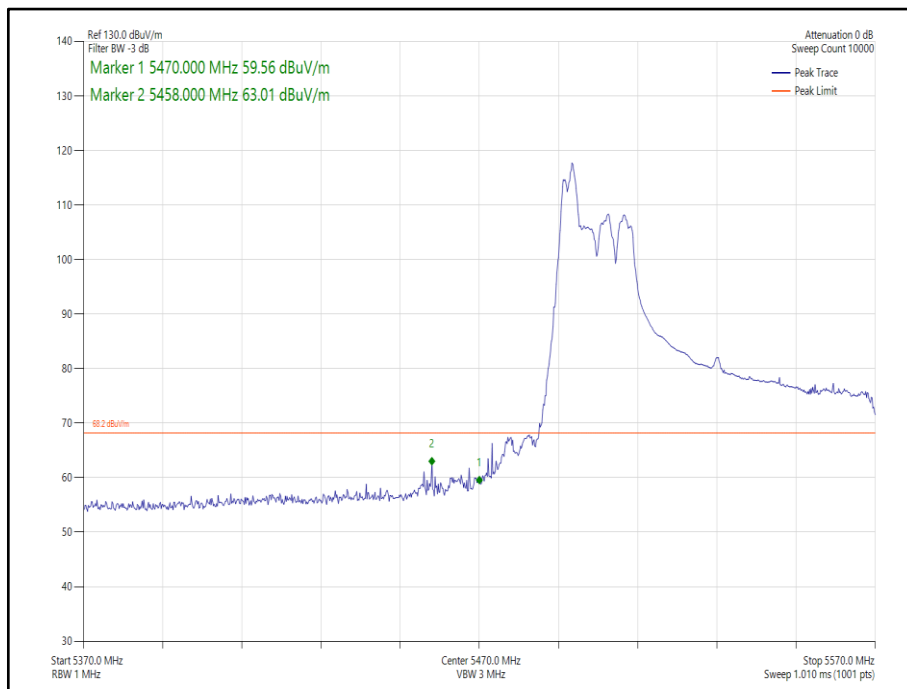
**Figure 249 - 802.11ac VHT80 CDD, Cores 0-1 - 5530 MHz
Band Edge Frequency 5470 MHz**



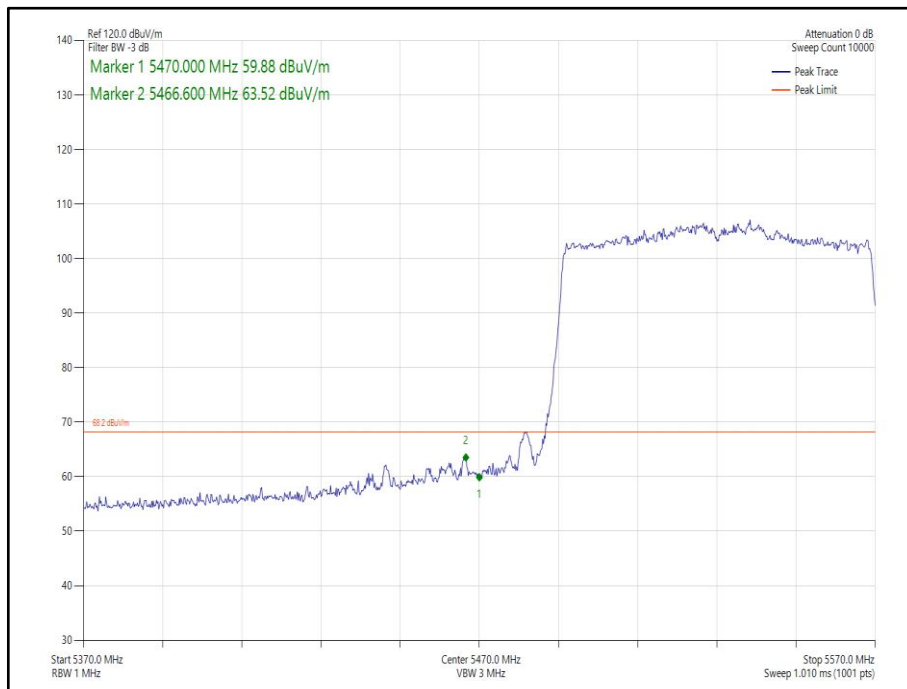
**Figure 250 - 802.11ac VHT80 SDM, Cores 0-1 - 5530 MHz
Band Edge Frequency 5470 MHz**



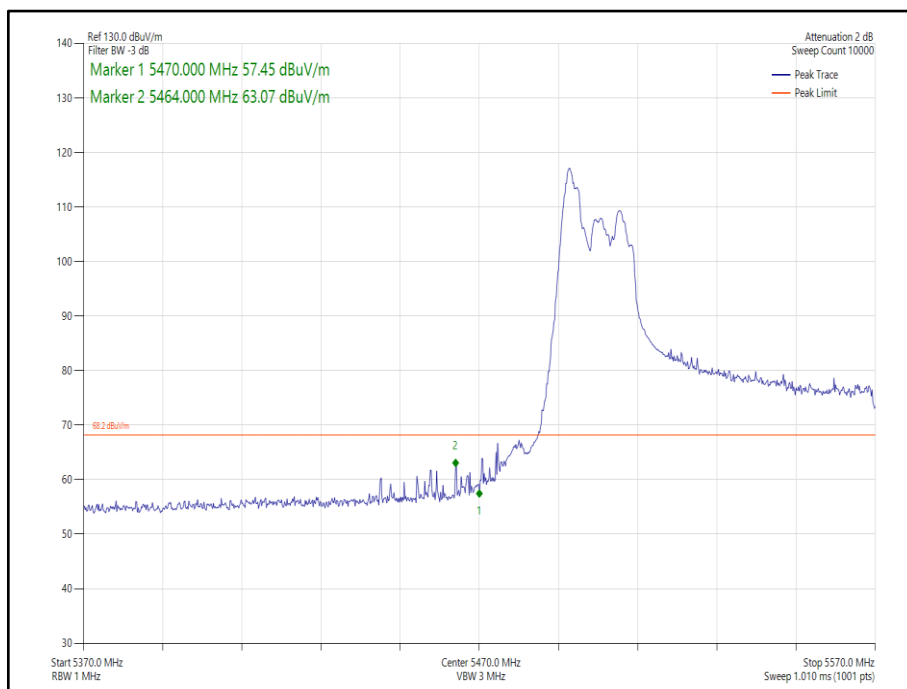
**Figure 251 - 802.11ax HE80 CDD, Cores 0-1, SU - 5530 MHz
Band Edge Frequency 5470 MHz**



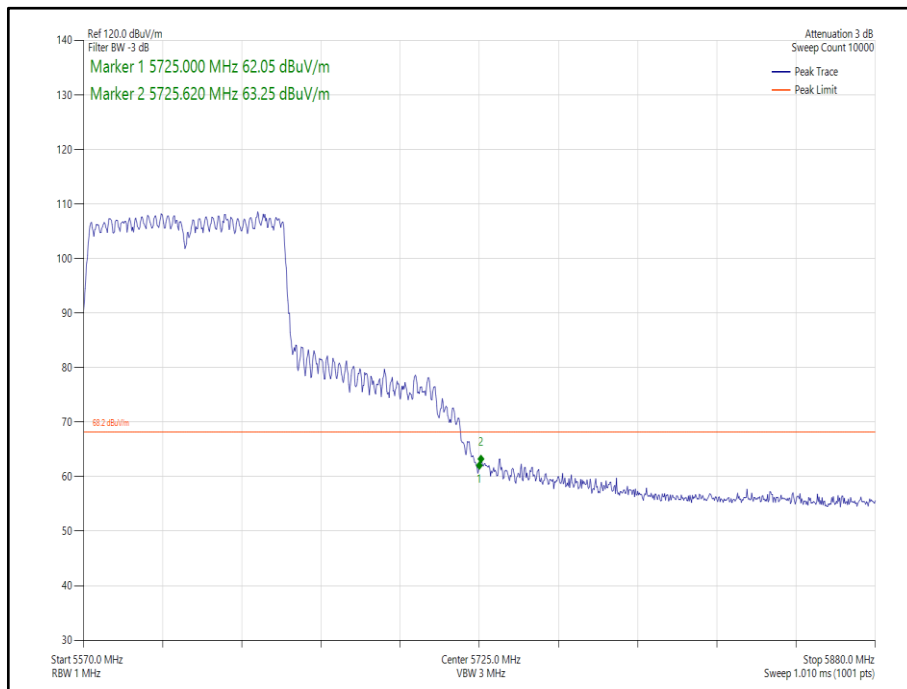
**Figure 252 - 802.11ax HE80 CDD, Cores 0-1, 52-37- 5530 MHz
Band Edge Frequency 5470 MHz**



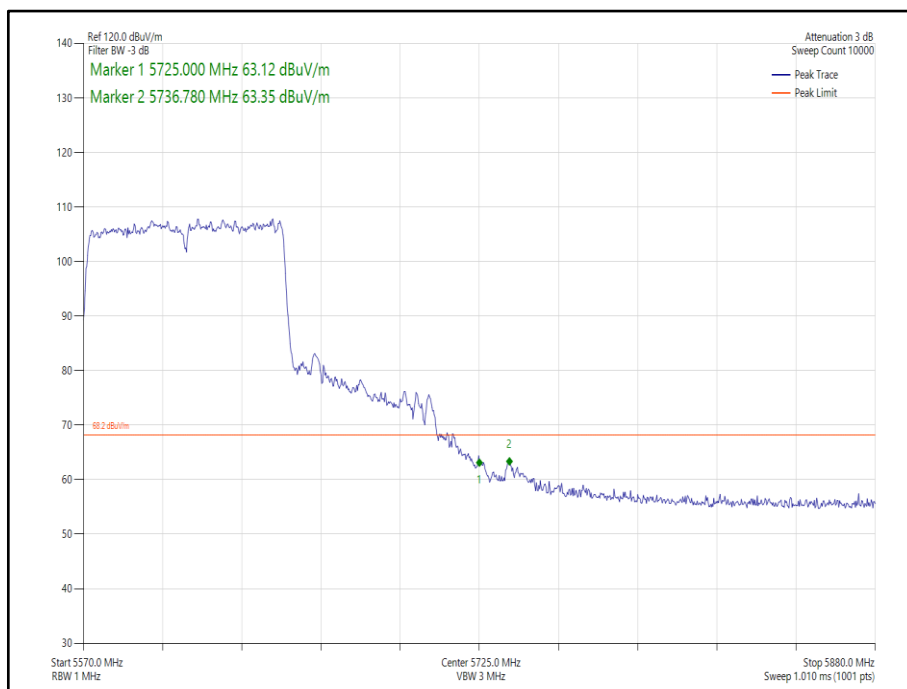
**Figure 253 - 802.11ax HE80 SDM, Cores 0-1, SU - 5530 MHz
Band Edge Frequency 5470 MHz**



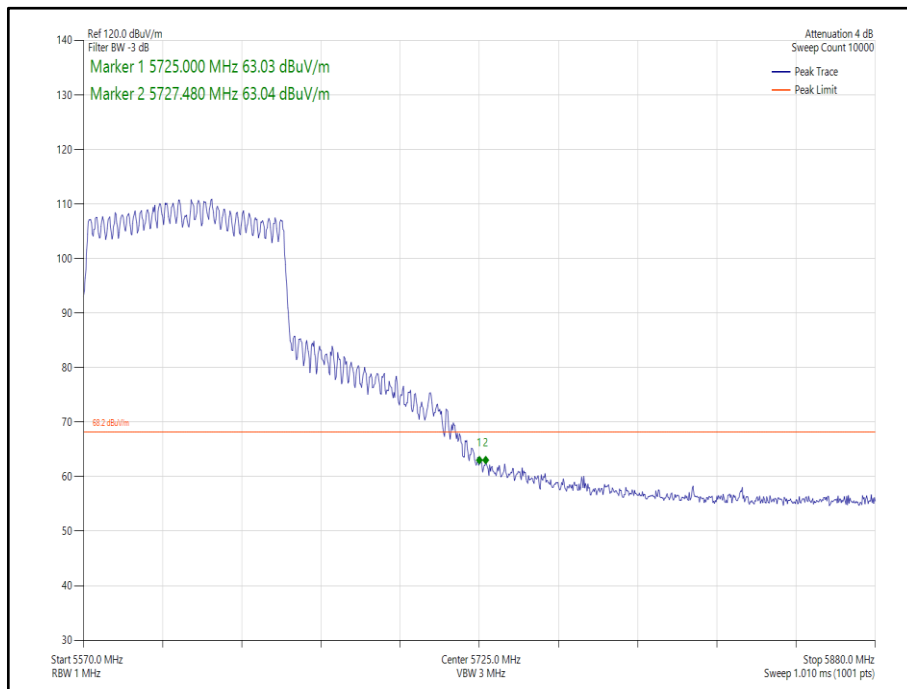
**Figure 254 - 802.11ax HE80 SDM, Cores 0-1, 52-37 - 5530 MHz
Band Edge Frequency 5470 MHz**



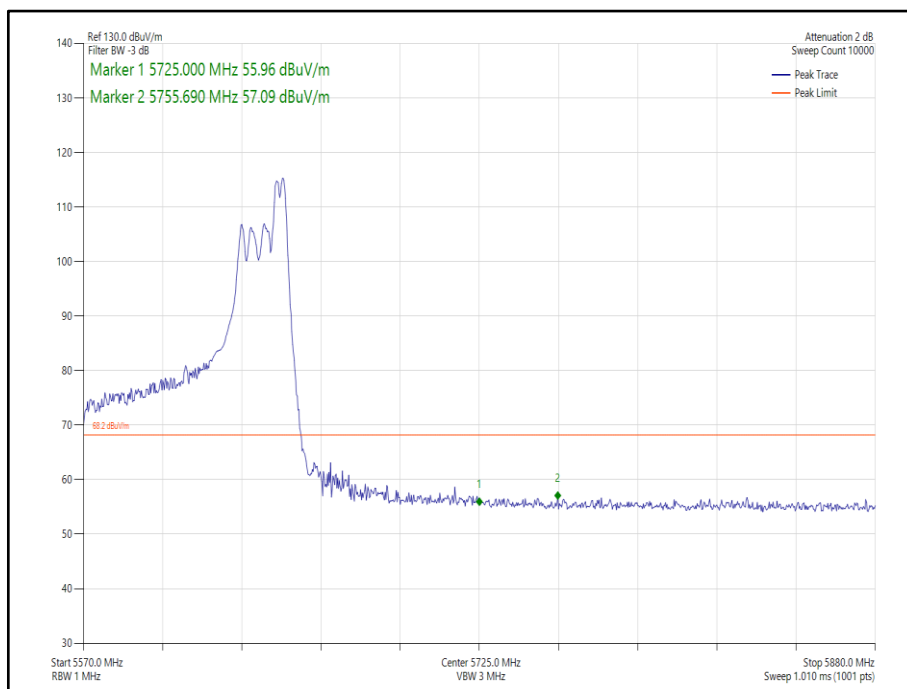
**Figure 255 - 802.11ac VHT80 CDD, Cores 0-1 - 5610 MHz
Band Edge Frequency 5725 MHz**



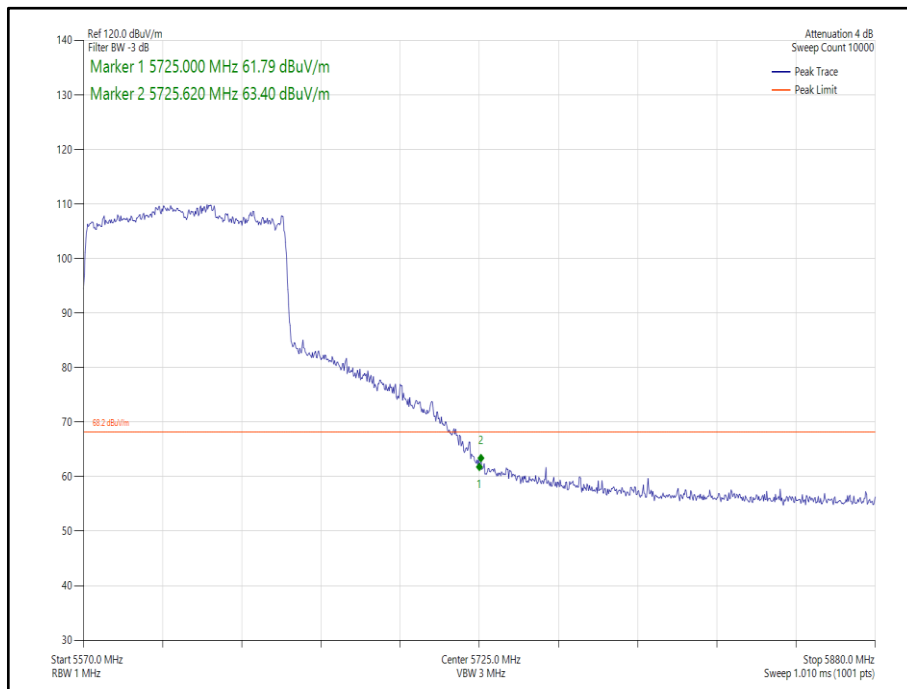
**Figure 256 - 802.11ac VHT80 SDM, Cores 0-1 - 5610 MHz
Band Edge Frequency 5725 MHz**



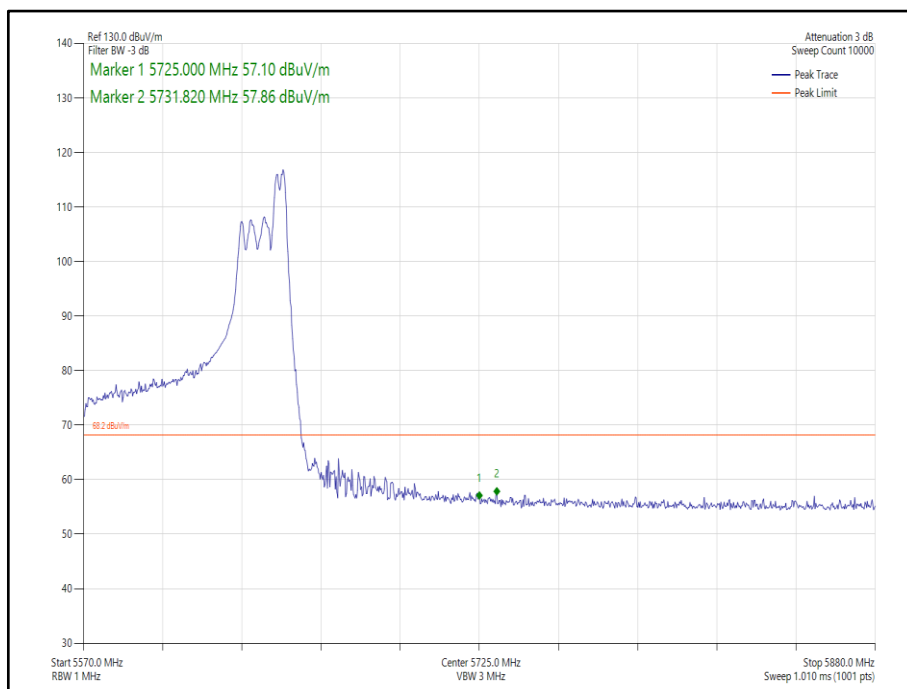
**Figure 257 - 802.11ax HE80 CDD, Cores 0-1, SU - 5610 MHz
Band Edge Frequency 5725 MHz**



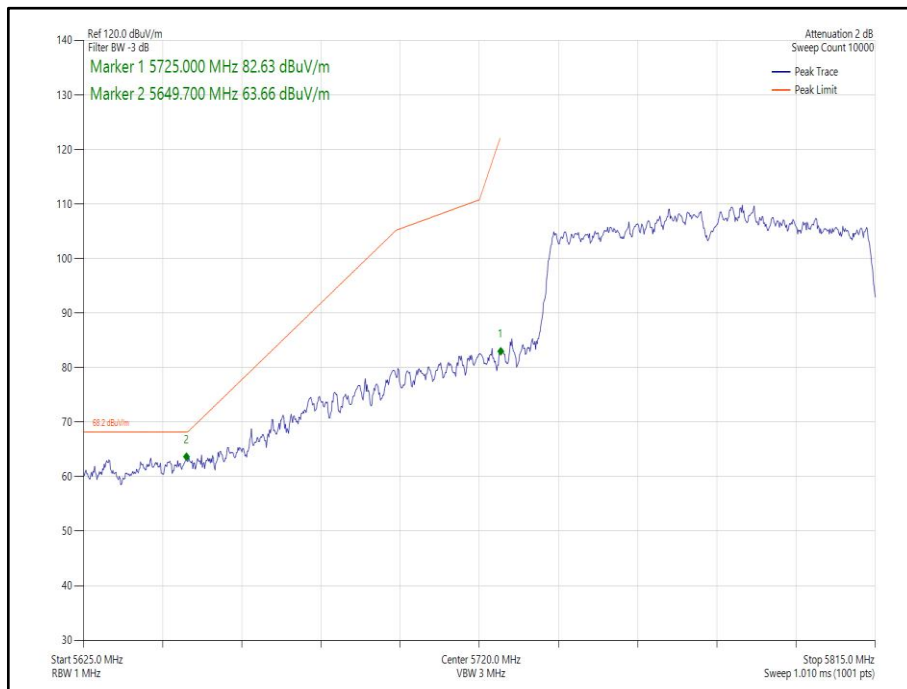
**Figure 258 - 802.11ax HE80 CDD, Cores 0-1, 52-52- 5610 MHz
Band Edge Frequency 5725 MHz**



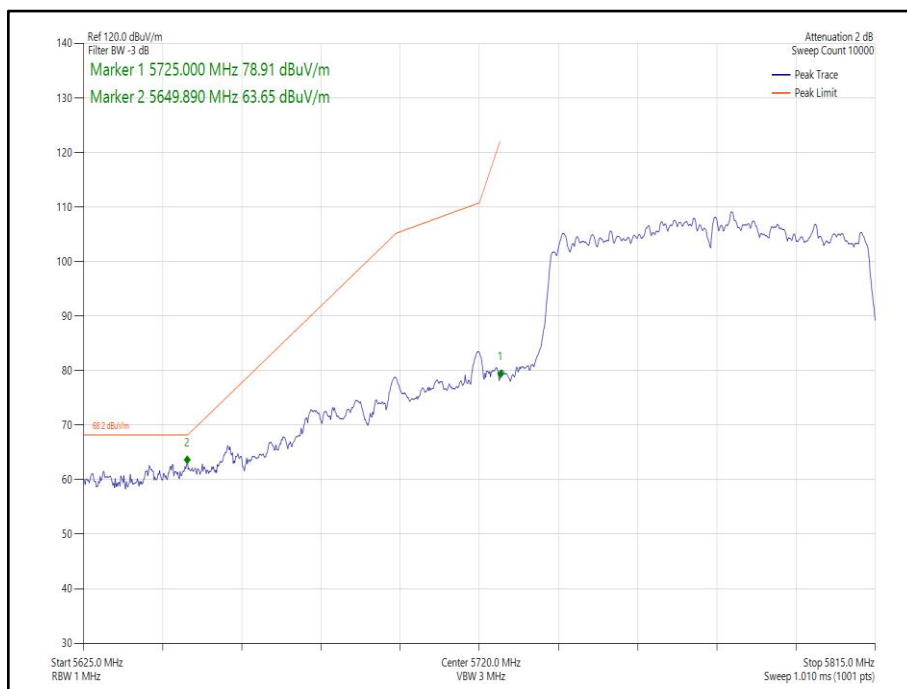
**Figure 259 - 802.11ax HE80 SDM, Cores 0-1, SU - 5610 MHz
Band Edge Frequency 5725 MHz**



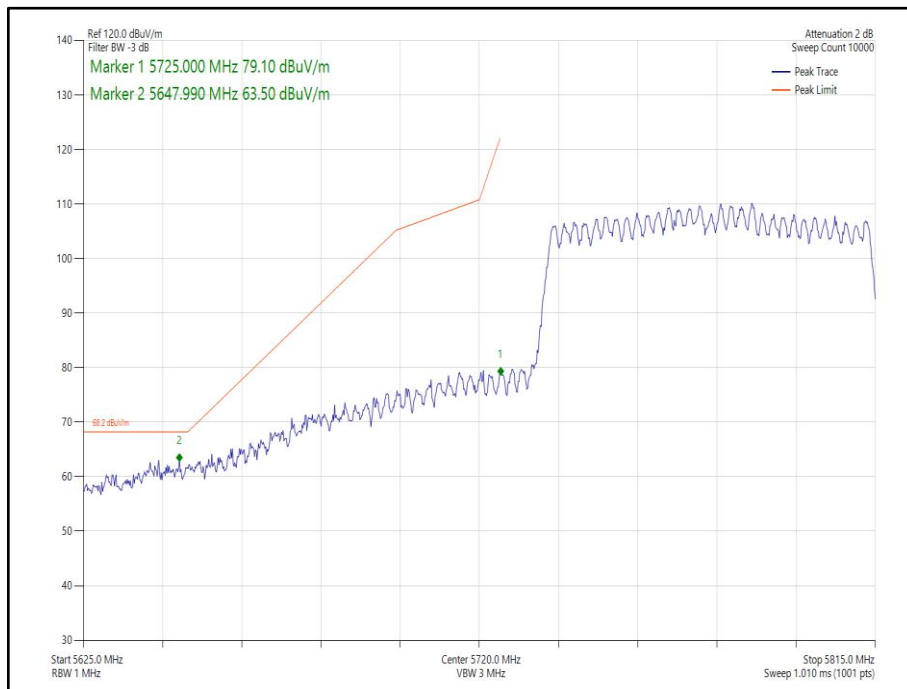
**Figure 260 - 802.11ax HE80 SDM, Cores 0-1, 52-52 - 5610 MHz
Band Edge Frequency 5725 MHz**



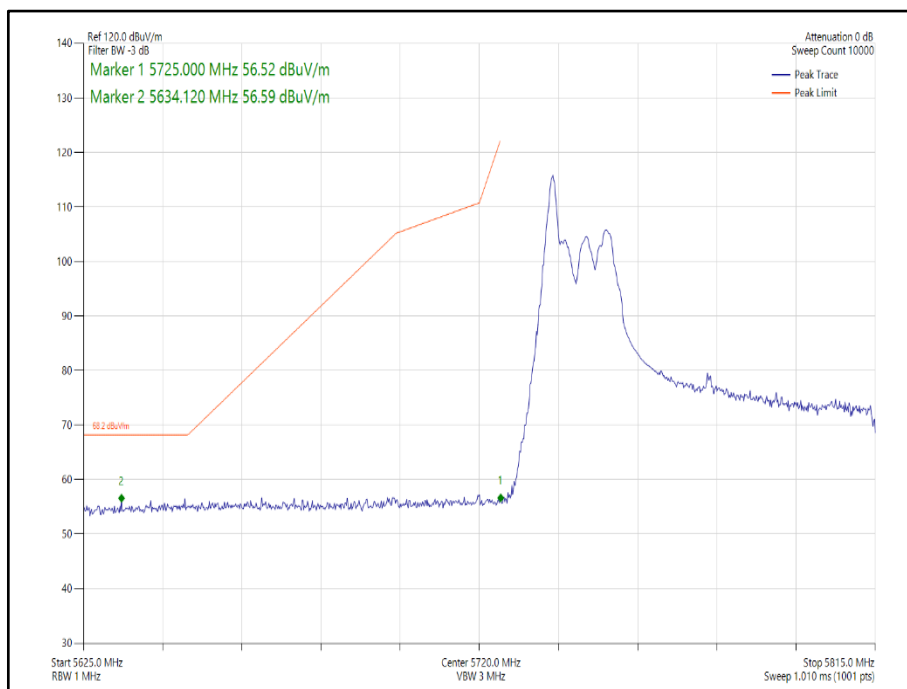
**Figure 261 - 802.11ac VHT80 CDD, Cores 0-1 - 5775 MHz
Band Edge Frequency 5725 MHz**



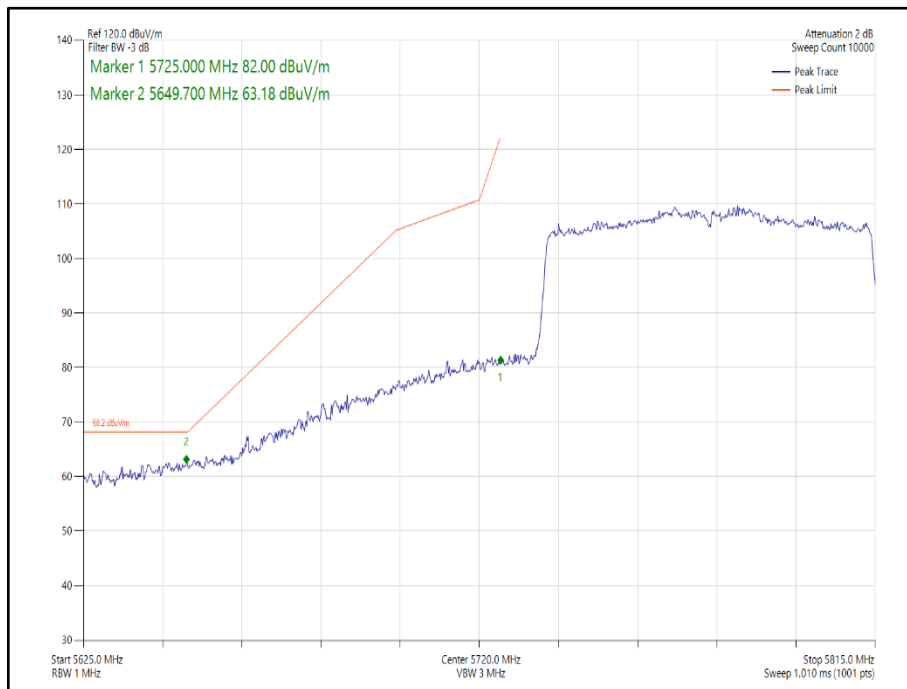
**Figure 262 - 802.11ac VHT80 SDM, Cores 0-1 - 5775 MHz
Band Edge Frequency 5725 MHz**



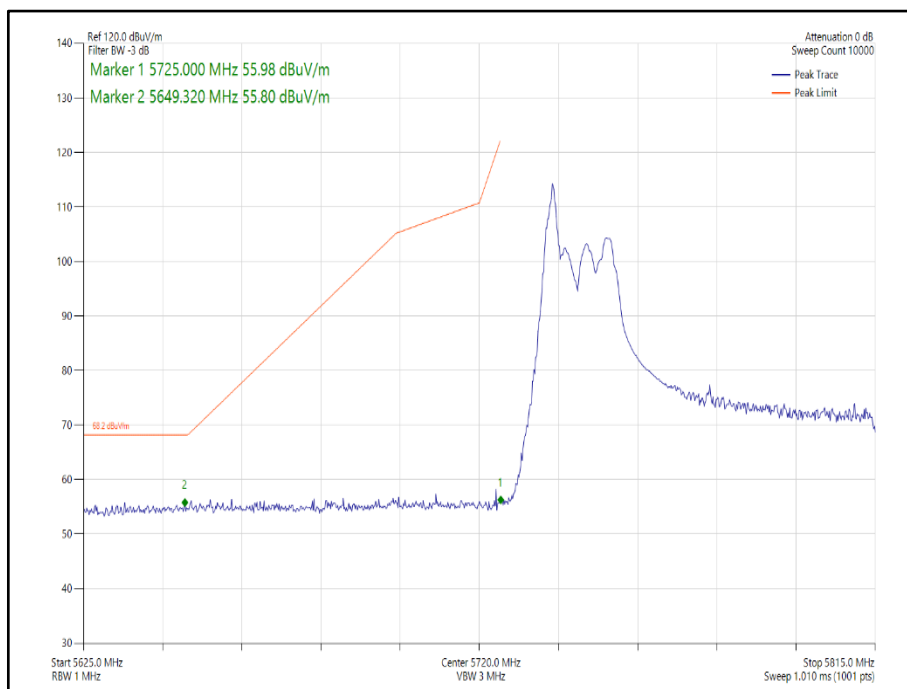
**Figure 263 - 802.11ax HE80 CDD, Cores 0-1, SU - 5775 MHz
Band Edge Frequency 5725 MHz**



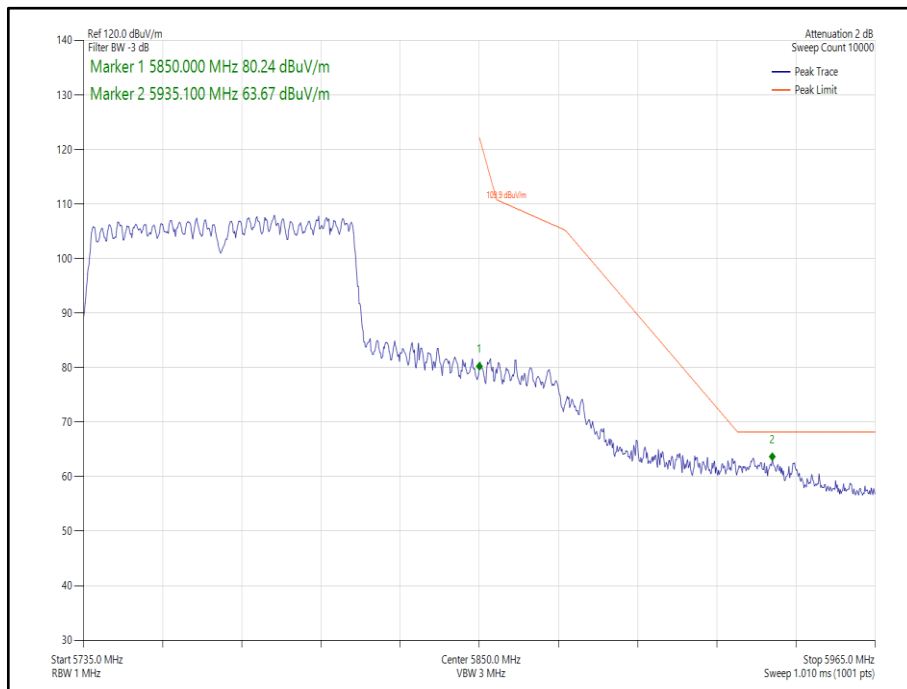
**Figure 264 - 802.11ax HE80 CDD, Cores 0-1, 26-0 - 5775 MHz
Band Edge Frequency 5725 MHz**



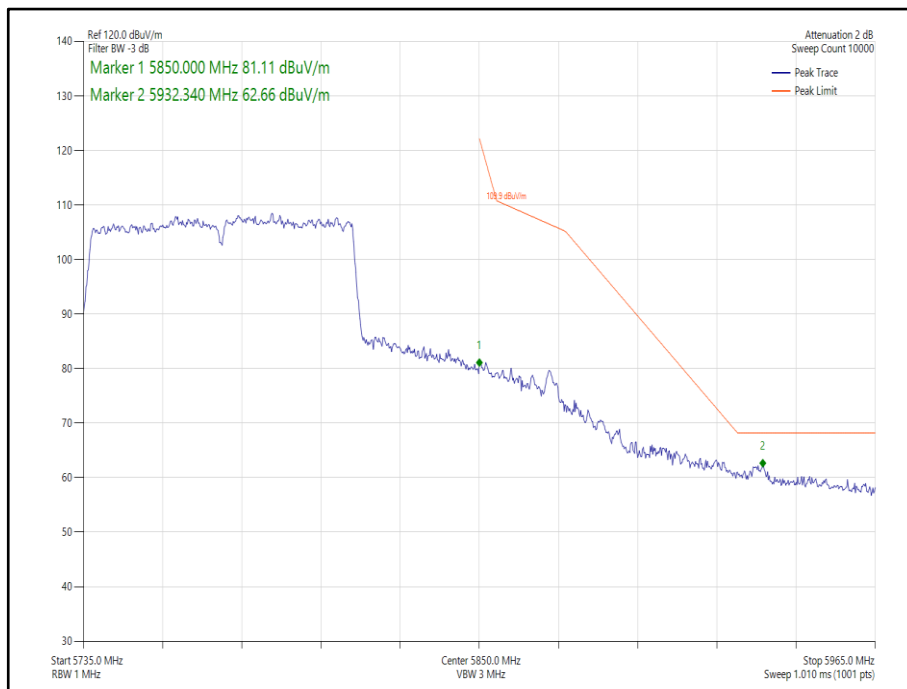
**Figure 265 - 802.11ax HE80 SDM, Cores 0-1, SU - 5775 MHz
Band Edge Frequency 5725 MHz**



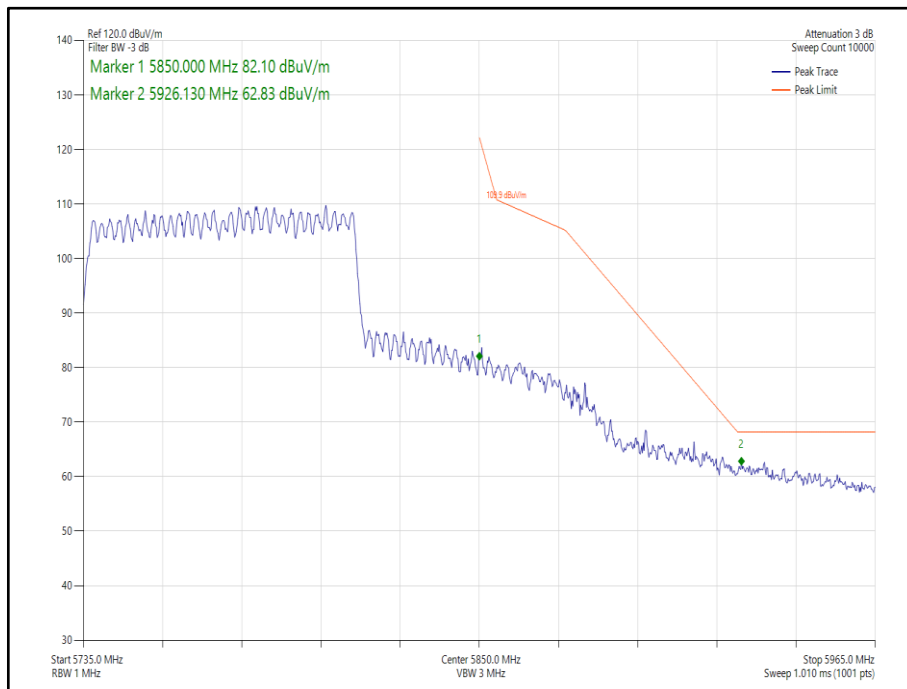
**Figure 266 - 802.11ax HE80 SDM, Cores 0-1, 26-0 - 5775 MHz
Band Edge Frequency 5725 MHz**



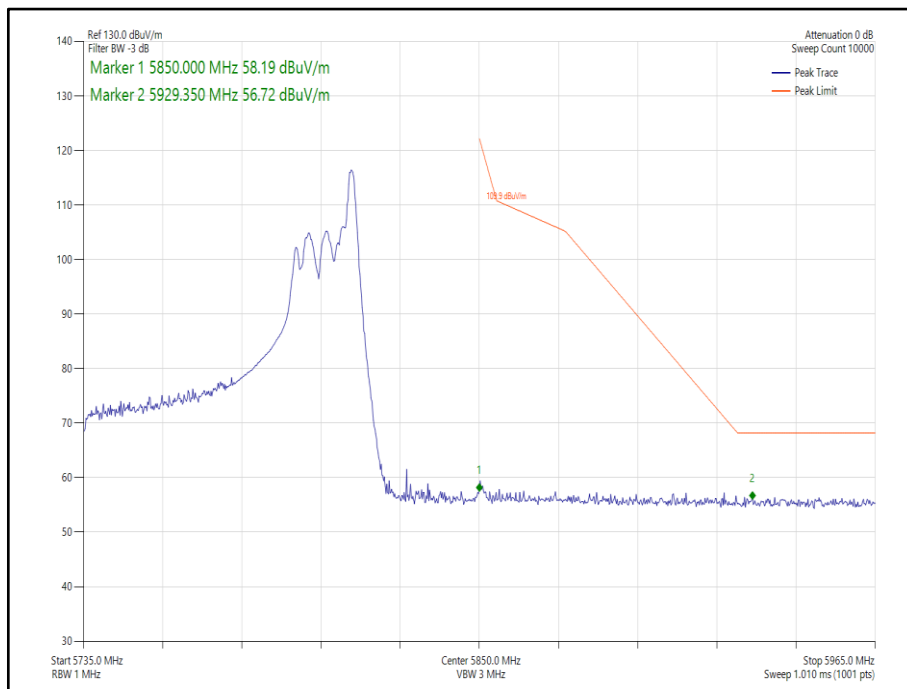
**Figure 267 - 802.11ac VHT80 CDD, Cores 0-1 - 5775 MHz
Band Edge Frequency 5850 MHz**



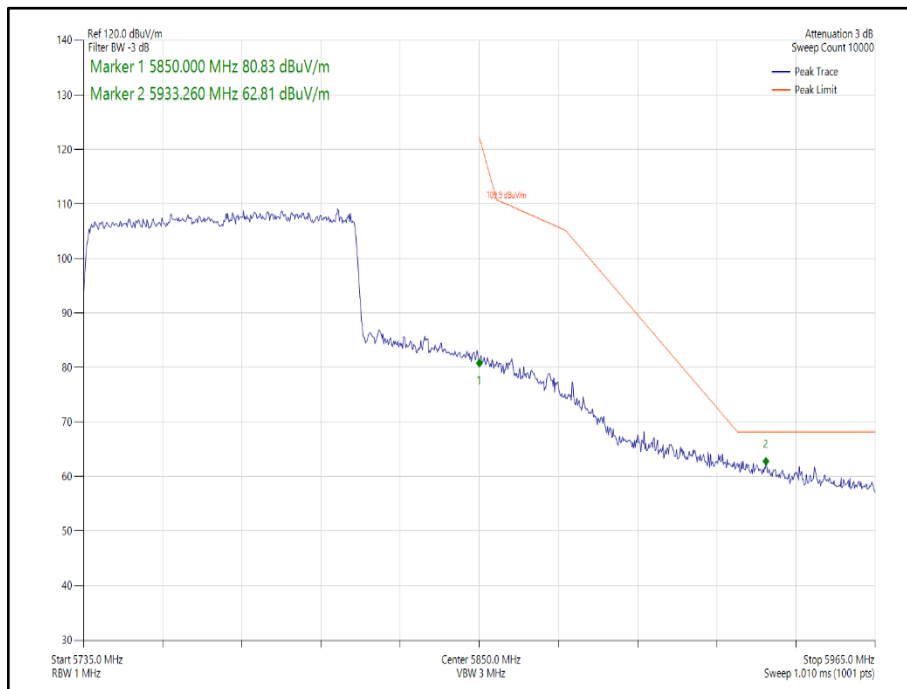
**Figure 268 - 802.11ac VHT80 SDM, Cores 0-1 - 5775 MHz
Band Edge Frequency 5850 MHz**



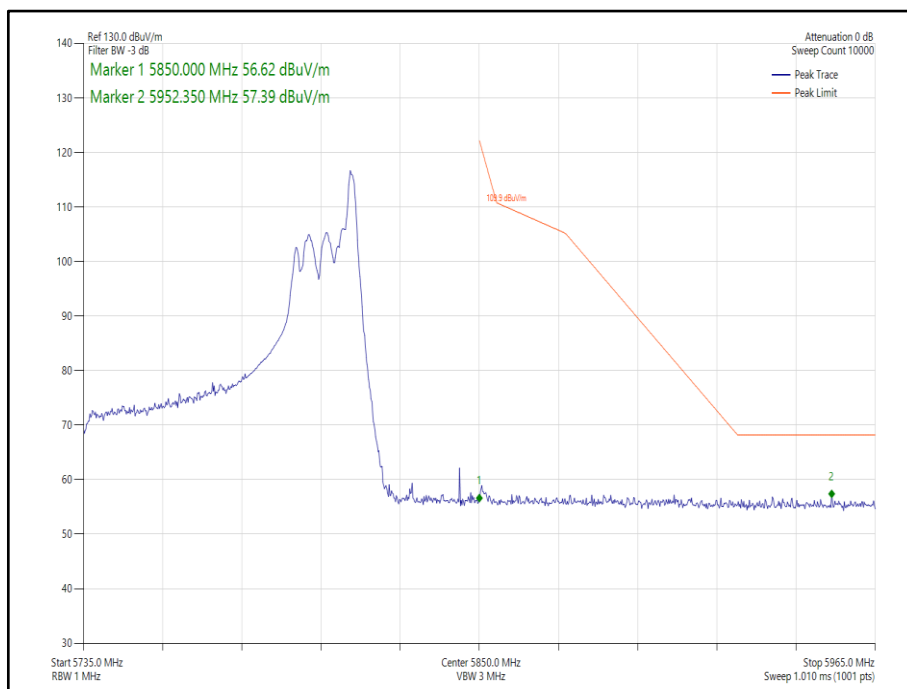
**Figure 269 - 802.11ax HE80 CDD, Cores 0-1, SU - 5775 MHz
Band Edge Frequency 5850 MHz**



**Figure 270 - 802.11ax HE80 CDD, Cores 0-1, 26-36 - 5775 MHz
Band Edge Frequency 5850 MHz**



**Figure 271 - 802.11ax HE80 SDM, Cores 0-1, SU -- 5775 MHz
Band Edge Frequency 5850 MHz**



**Figure 272 - 802.11ax HE80 SDM, Cores 0-1, 26-36 - 5775 MHz
Band Edge Frequency 5850 MHz**



FCC 47 CFR Part 15E, Limit Clause 15.407(b)(1)(2)(3)(4)

For transmitters operating in the 5.15-5.25 GHz band: ≤ -27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.25-5.35 GHz band: ≤ -27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.47-5.725 GHz band: ≤ -27 dBm/MHz outside 5470-5725 MHz

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

ISED RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB.

For transmitters with operating frequencies in the bands 5250-5350 MHz and 5470-5725 MHz, all emissions outside the band 5250-5350 MHz and 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and

-27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.



2.5.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 11.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
EMI Test Receiver	Rohde & Schwarz	ESW44	5084	12	22-Mar-2022
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-2022
Pre Amp 1 - 26.5 GHz	Agilent Technologies	8449B	5445	12	12-May-2022
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-2022
10dB/5W Attenuator	Aaren	AT40A-404-D18-10	5486	12	11-Apr-2023
1m -SMA Cable	Junkosha	MWX221-01000AMSAMS/A	5514	12	12-Apr-2022
1m -SMA Cable	Junkosha	MWX221-01000AMSAMS/A	5514	12	12-Apr-2023
2m SMA Cable	Junkosha	MWX221-02000AMSAMS/A	5518	12	12-Apr-2022
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

Table 486

TU - Traceability Unscheduled



2.6 Spurious Radiated Emissions

2.6.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b) and 15.209
ISED RSS-247, Clause 6.2
ISED RSS-GEN, Clause 6.13 and 8.9

2.6.2 Equipment Under Test and Modification State

A2843, S/N: YWL2C4T4WY - Modification State 0

2.6.3 Date of Test

07-July-2022 to 07-September-2022

2.6.4 Test Method

Testing was performed in accordance with ANSI C63.10, clause 6.3, 6.5 and 6.6.

Tests were performed in HT20 CDD in 2TX MIMO mode on the Main Radio, with measurements undertaken from 30 MHz to 40 GHz, on channel 36 (5180 MHz) and channel 165 (5825 MHz).

All testing was performed using the lowest data rate/modulation scheme for the applicable mode.

For the purpose of this testing, spurious emissions were limited to 1 GHz to 40 GHz on all other test channels.

Plots for average measurements were taken in accordance with ANSI C63.10, clause 12.7.7.2 with max-hold trace to characterize the EUT. Where emissions were detected, final average measurements were taken in accordance with ANSI C63.10, clause 4.1.4.2.2.

The plots shown are the characterization of the EUT. The limits on the plots represent the most stringent case for restricted bands, (54/74 dBuV/m @ 3 m and 64/84 dBuV/m @ 1m) when compared to -27 dBm/MHz EIRP outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 10dB of the limits shown on the plots, further investigation was carried out and reported in results tables.

The following conversion can be applied to convert from dB μ V/m to μ V/m:
 $10^{(\text{Field Strength in dB}\mu\text{V/m}/20)}$.

EIRP was converted to field strength at 3m using the following formula:
Field Strength (dB μ V/m at 3 m) = EIRP (dBm) + 95.2 dB

2.6.5 Test Setup Diagram

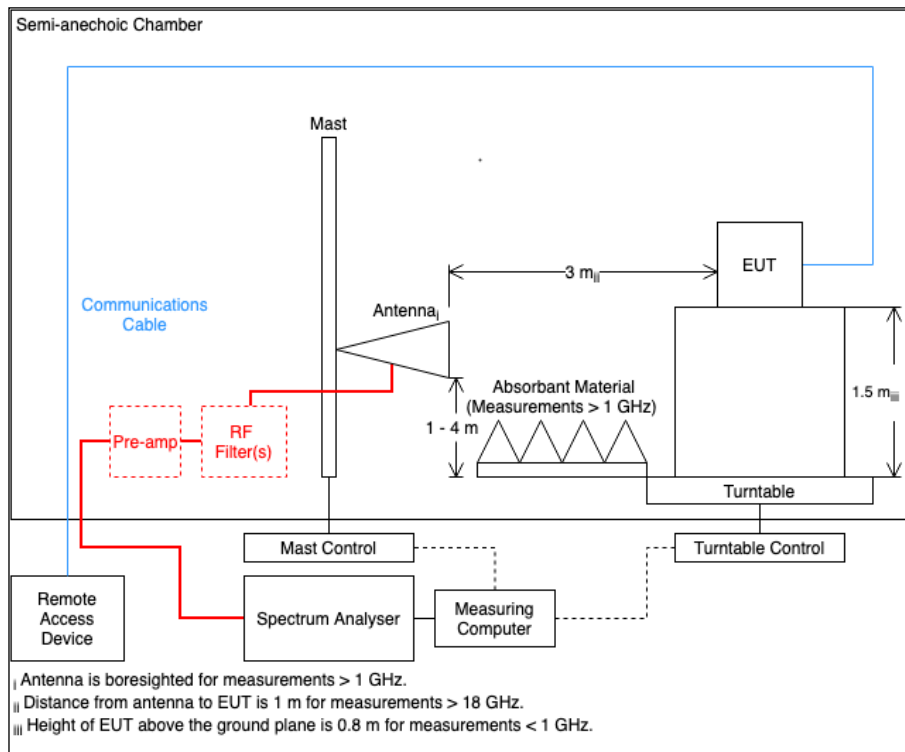


Figure 273

2.6.6 Environmental Conditions

Ambient Temperature	19.7 - 22.7 °C
Relative Humidity	41.2 - 60.9 %



2.6.7 Test Results

5 GHz WLAN

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 487 - U-NII-1 - 5180 MHz (CH36), VHT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

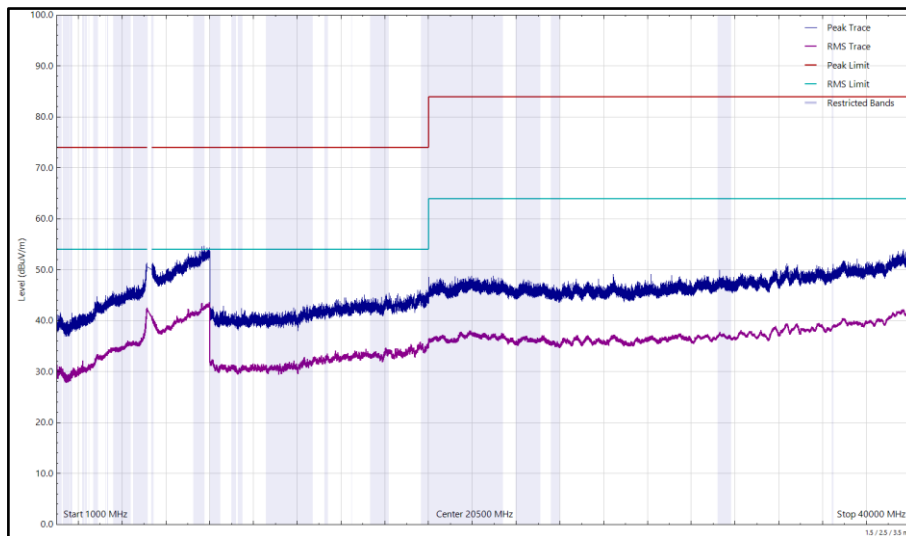


Figure 274 - U-NII-1 - 5180 MHz (CH36), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

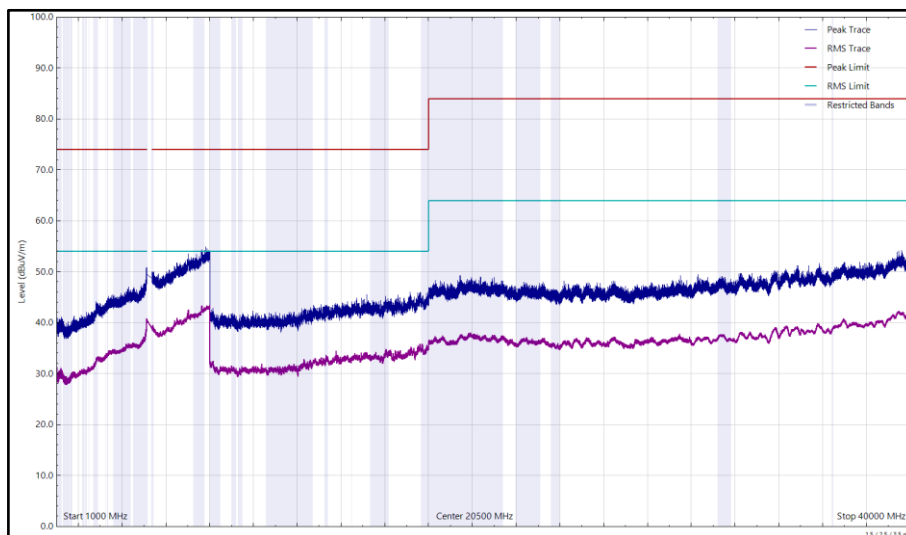


Figure 275 - U-NII-1 - 5180 MHz (CH36), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical