

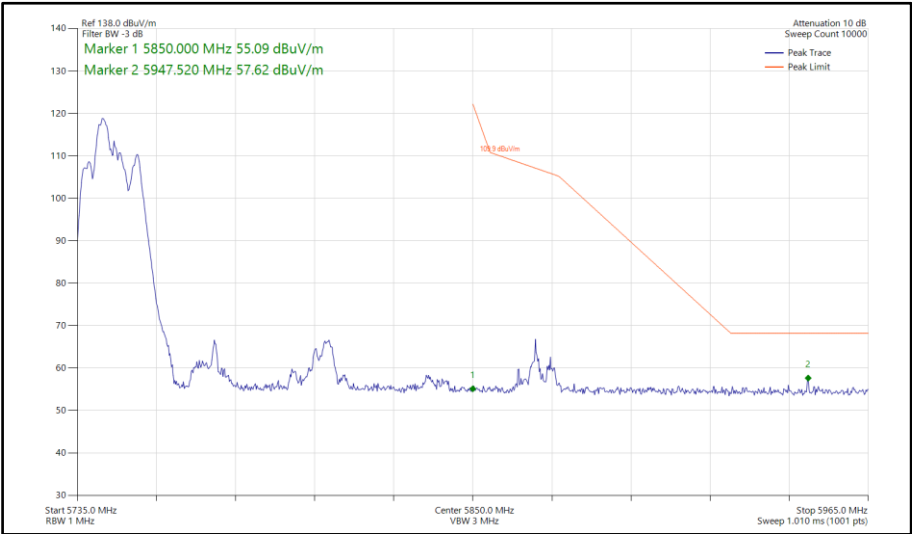


Figure 777 - 802.11be EHT80, RU52+26-71, SDM, Core 0-1 - 5775 MHz
Band Edge Frequency 5850 MHz



80 MHz Bandwidth - Core 0-1 (TxBF)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
802.11ac VHT80	MCS 2x1	-	-	5530	5470	62.07
802.11ax HE80	MCS 4x1	SU	-	5530	5470	63.21
802.11ac VHT80	MCS 9x1	-	-	5775	5725	64.00
802.11ax HE80	MCS 4x1	SU	-	5775	5725	59.92
802.11ac VHT80	MCS 4x1	-	-	5610	5725	63.57
802.11ax HE80	MCS 4x1	SU	-	5610	5725	63.46
802.11ac VHT80	MCS 4x1	-	-	5690	5850	62.88
802.11ac VHT80	MCS 4x1	-	-	5775	5850	60.87
802.11ax HE80	MCS 2x1	SU	-	5690	5850	63.09
802.11ax HE80	MCS 4x1	SU	-	5775	5850	61.02

Table 1653 - TxBF Authorised Band Edge Results

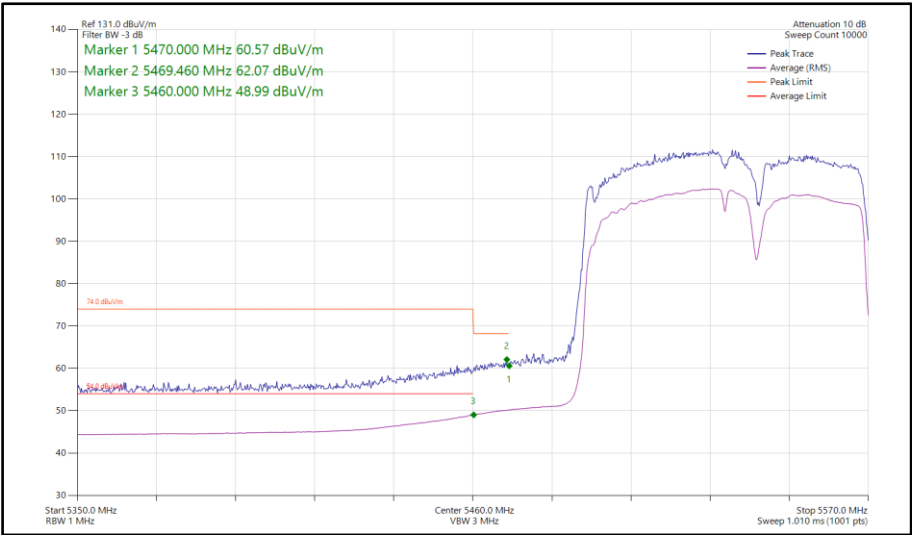


Figure 778 - 802.11ac VHT80, TxBF, Core 0-1 - 5530 MHz
Band Edge Frequency 5470 MHz

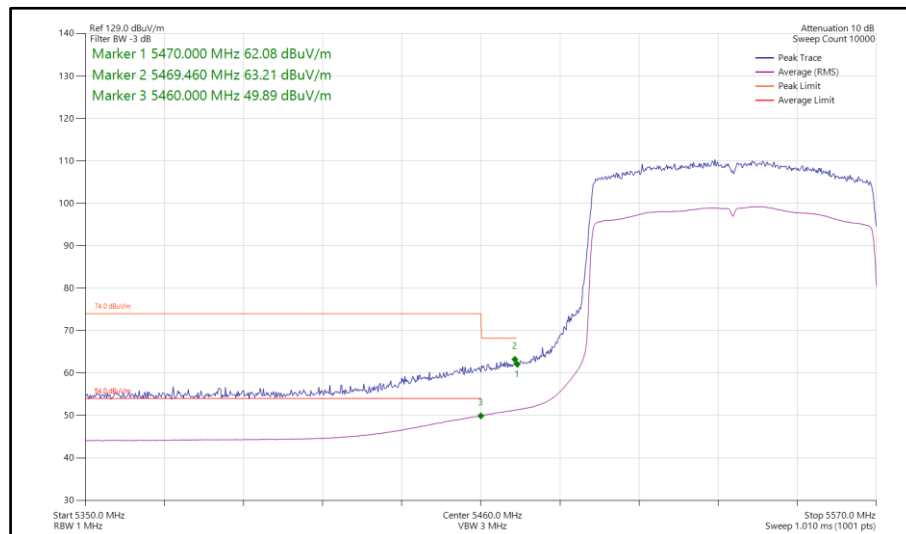


**Figure 779 - 802.11ax HE80, SU, TxBF, Core 0-1 - 5530 MHz
Band Edge Frequency 5470 MHz**

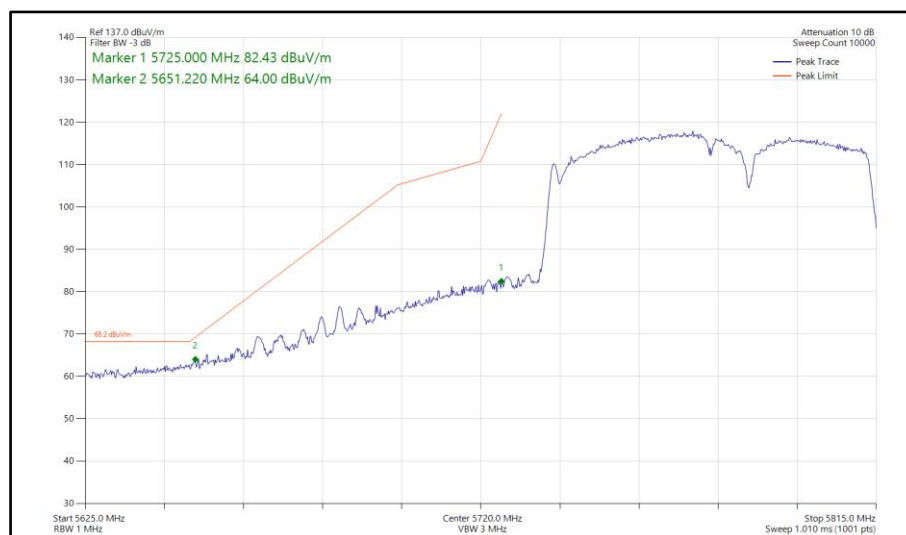


**Figure 780 - 802.11ac VHT80, TxBF, Core 0-1 - 5775 MHz
Band Edge Frequency 5725 MHz**

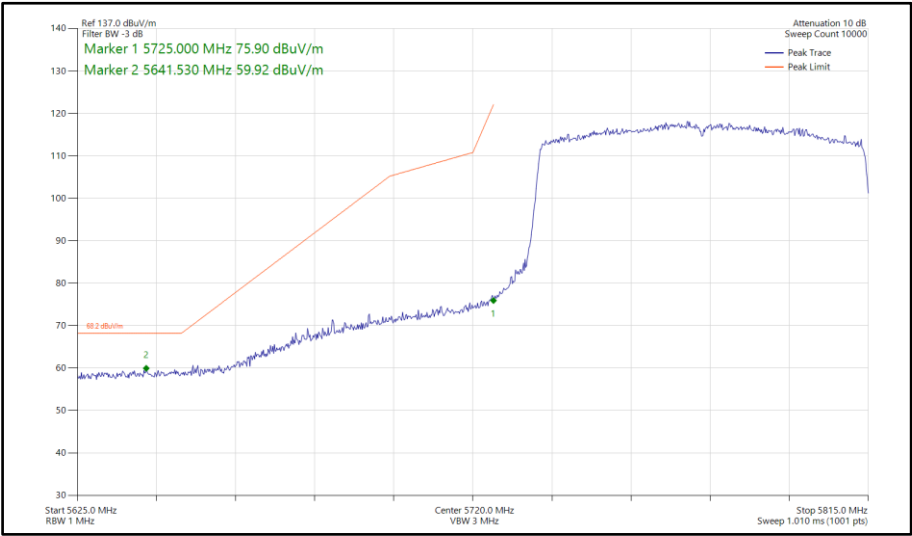


Figure 781 - 802.11ax HE80, SU, TxBF, Core 0-1 - 5775 MHz
Band Edge Frequency 5725 MHz

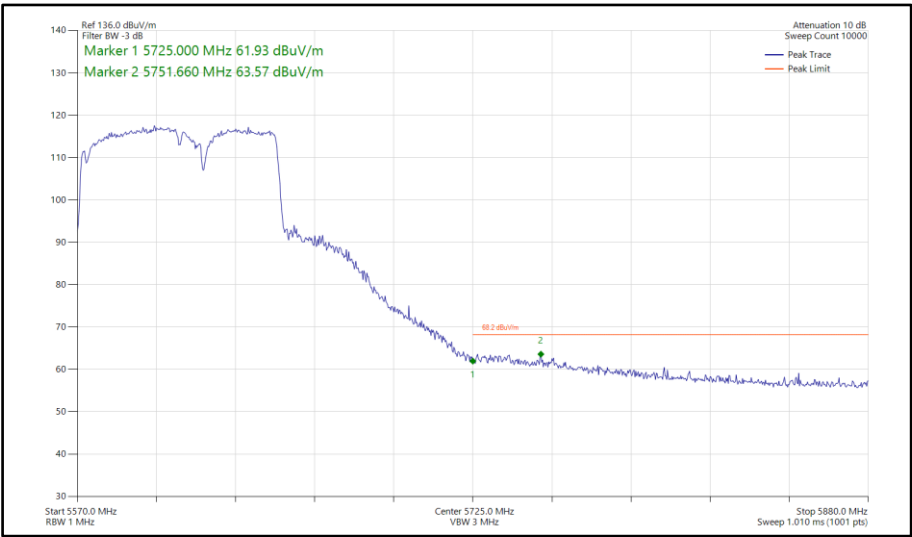


Figure 782 - 802.11ac VHT80, TxBF, Core 0-1 - 5610 MHz
Band Edge Frequency 5725 MHz

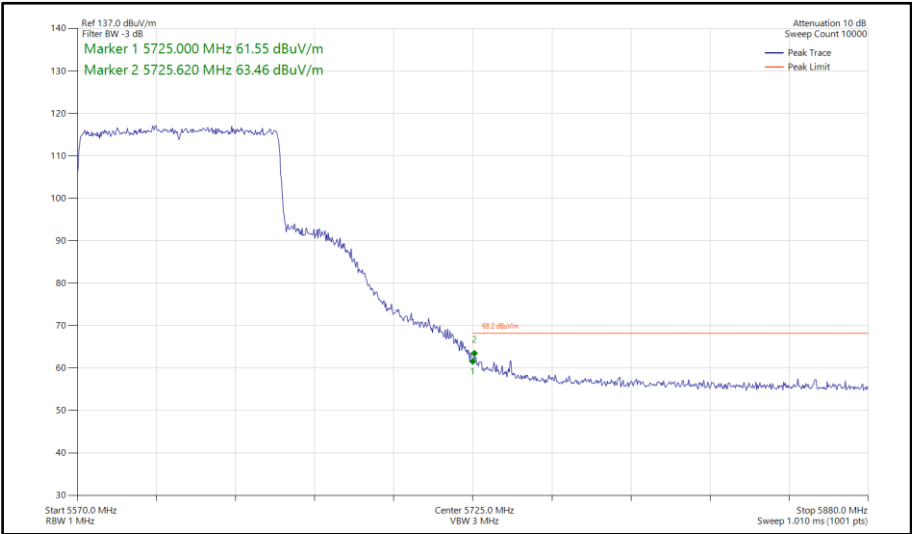


Figure 783 - 802.11ax HE80, SU, TxBF, Core 0-1 - 5610 MHz
Band Edge Frequency 5725 MHz

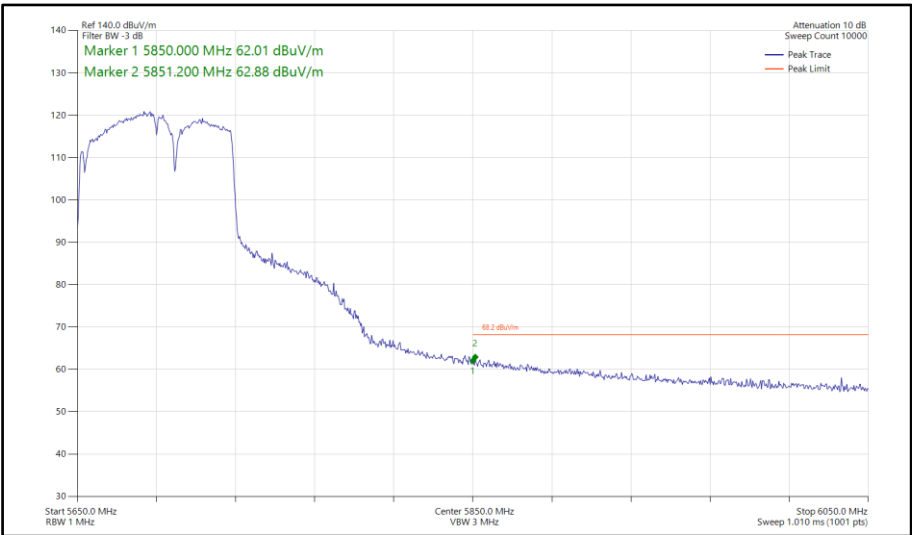


Figure 784 - 802.11ac VHT80, TxBF, Core 0-1 - 5690 MHz
Band Edge Frequency 5850 MHz

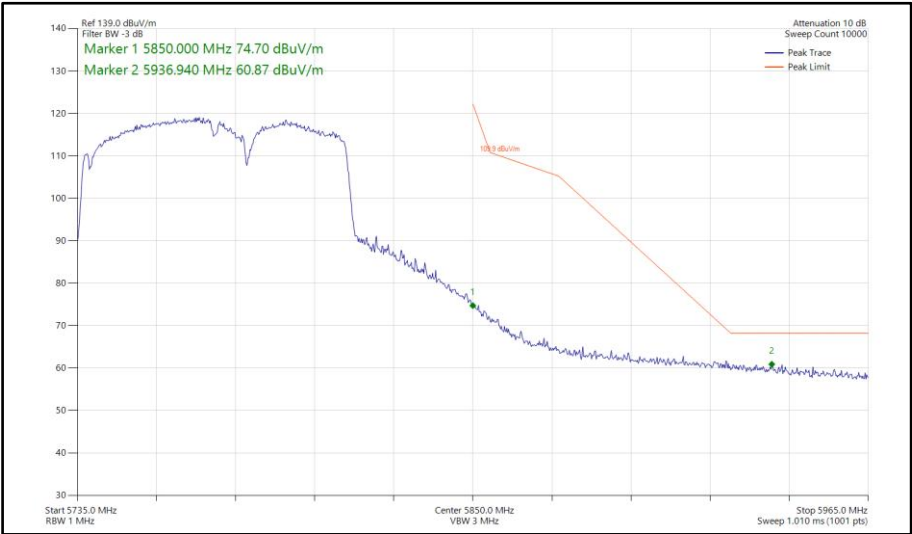


Figure 785 - 802.11ac VHT80, TxBF, Core 0-1 - 5775 MHz
Band Edge Frequency 5850 MHz

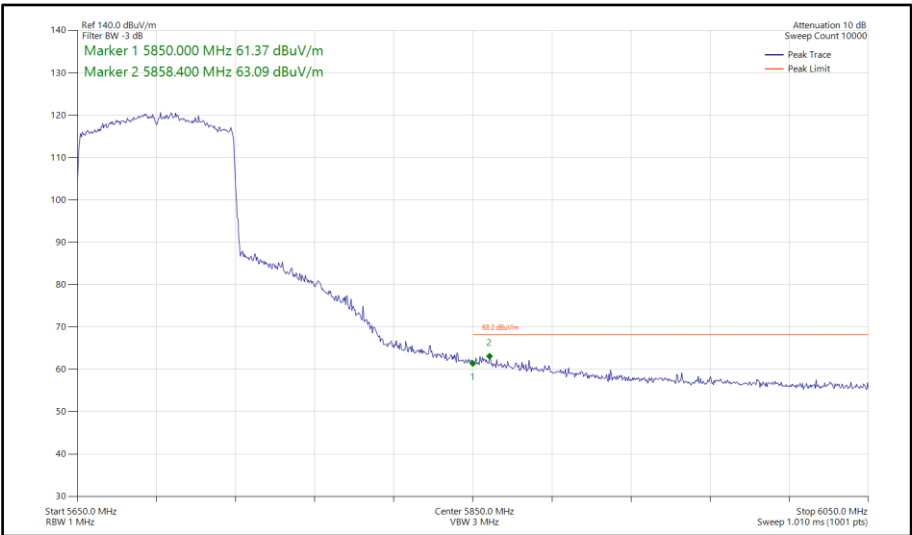


Figure 786 - 802.11ax HE80, SU, TxBF, Core 0-1 - 5690 MHz
Band Edge Frequency 5850 MHz

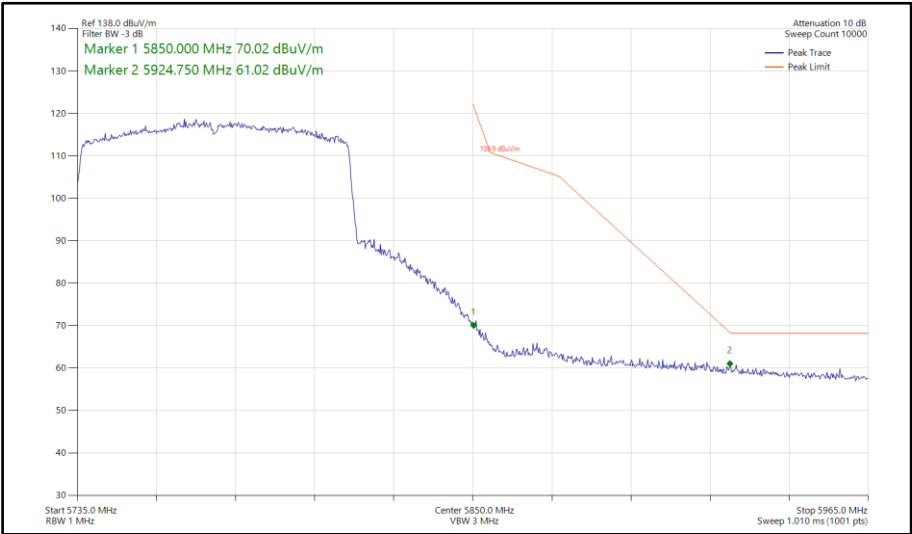


Figure 787 - 802.11ax HE80, SU, TxBF, Core 0-1 - 5775 MHz
Band Edge Frequency 5850 MHz



160 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11a a160	54 Mbps	-	-	5570	5470	60.39
802.11ac VHT160	MCS 2x1	-	-	5570	5470	63.70
802.11ax HE160	MCS 4x1	SU	-	5570	5470	63.37
802.11ax HE160	MCS 11x1	106	53P	5570	5470	56.94
802.11be EHT160	MCS 9x1	106+26	82P	5570	5470	57.92
802.11a a160	54 Mbps	-	-	5570	5725	63.14
802.11ac VHT160	MCS 4x1	-	-	5570	5725	63.50
802.11ax HE160	MCS 4x1	SU	-	5570	5725	62.38
802.11ax HE160	MCS 11x1	106	60S	5570	5725	55.21
802.11be EHT160	MCS 9x1	996+484+242	97S	5570	5725	59.12

Table 1654 - SISO Authorised Band Edge Results

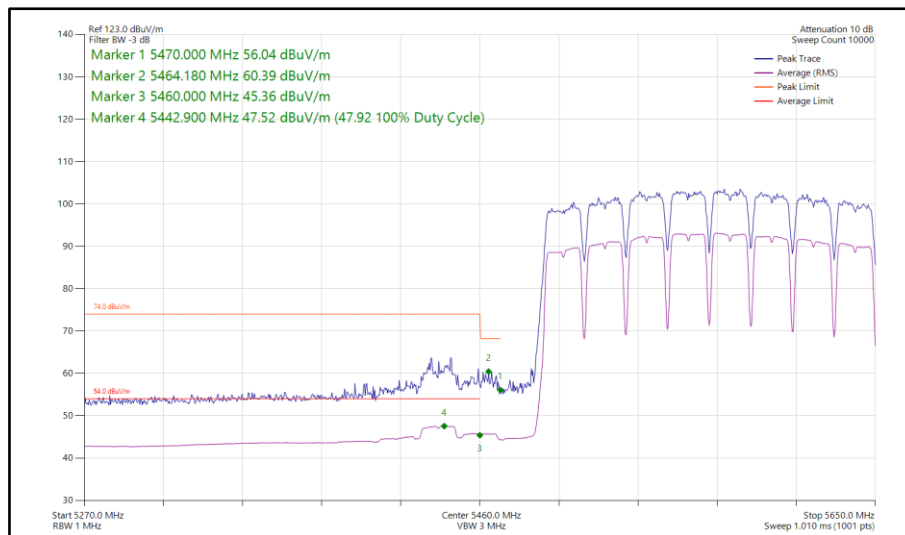


**Figure 788 - 802.11a a160, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5470 MHz**

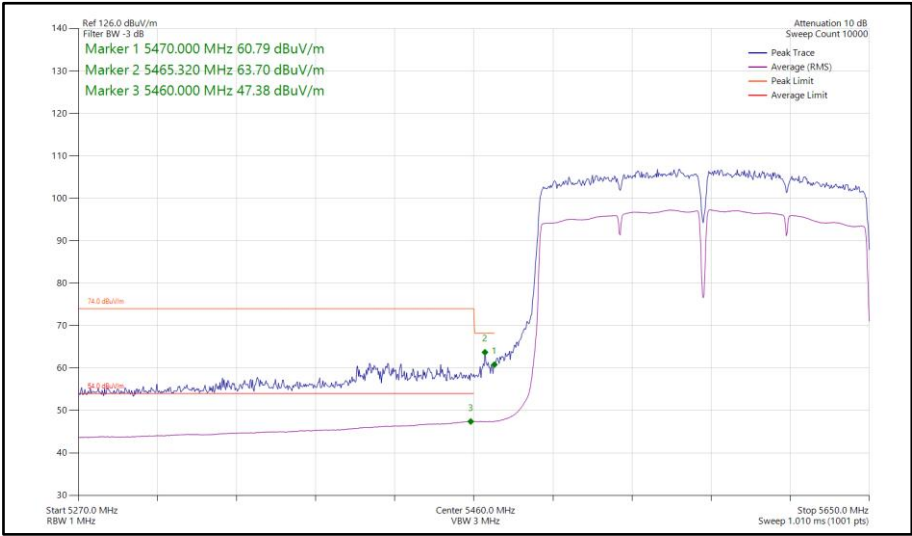


Figure 789 - 802.11ac VHT160, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5470 MHz

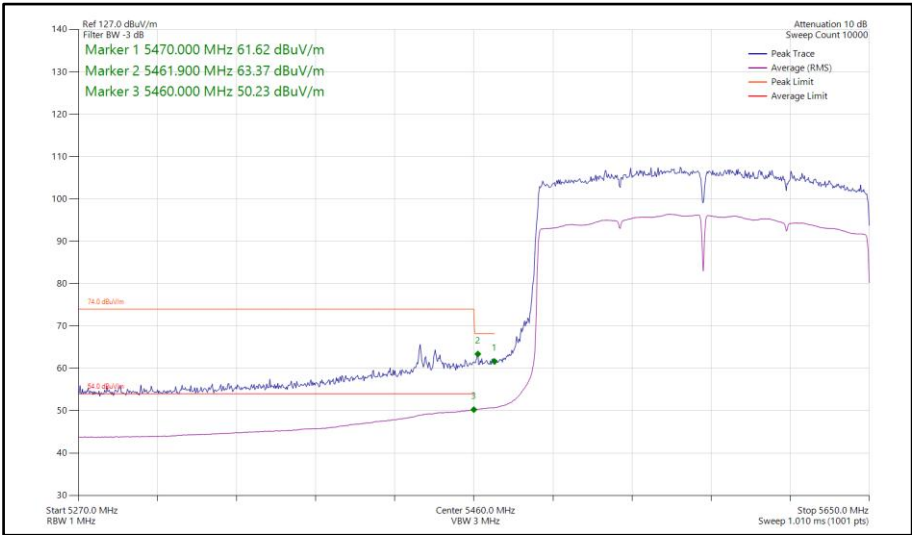


Figure 790 - 802.11ax HE160, SU, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5470 MHz

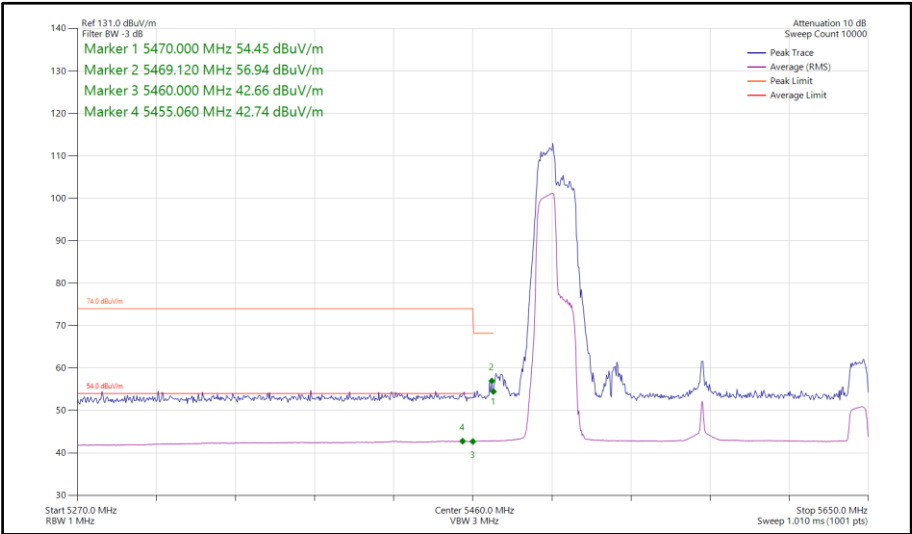


Figure 791 - 802.11ax HE160, RU106-53P, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5470 MHz

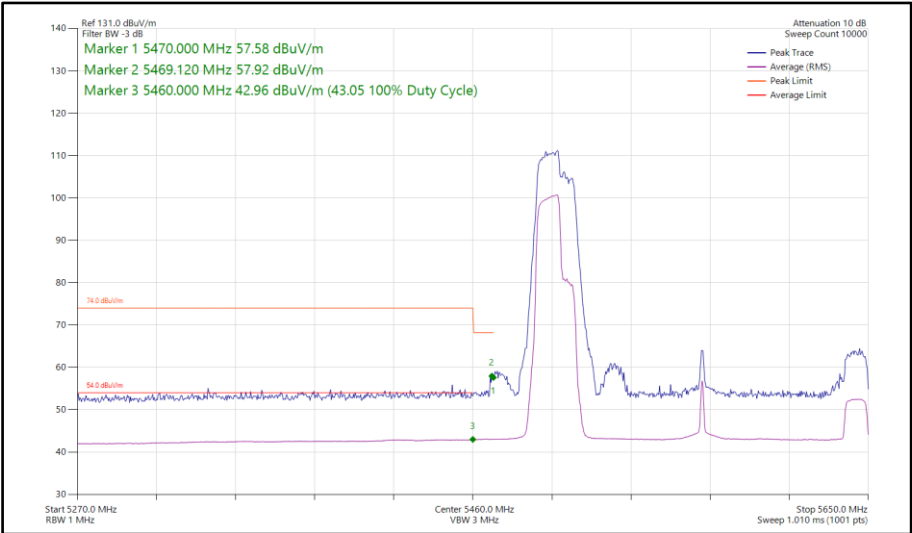


Figure 792 - 802.11be EHT160, RU106+26-82P, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5470 MHz

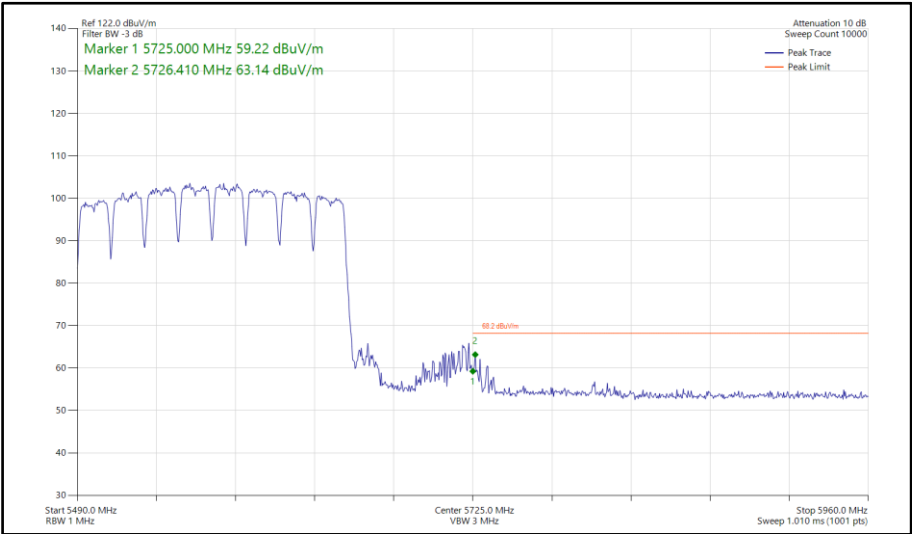


Figure 793 - 802.11a a160, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5725 MHz

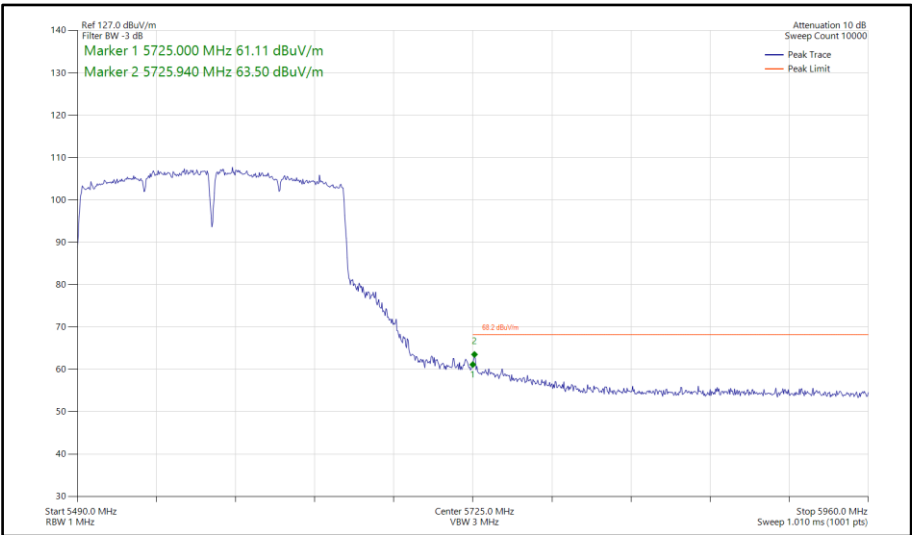


Figure 794 - 802.11ac VHT160, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5725 MHz

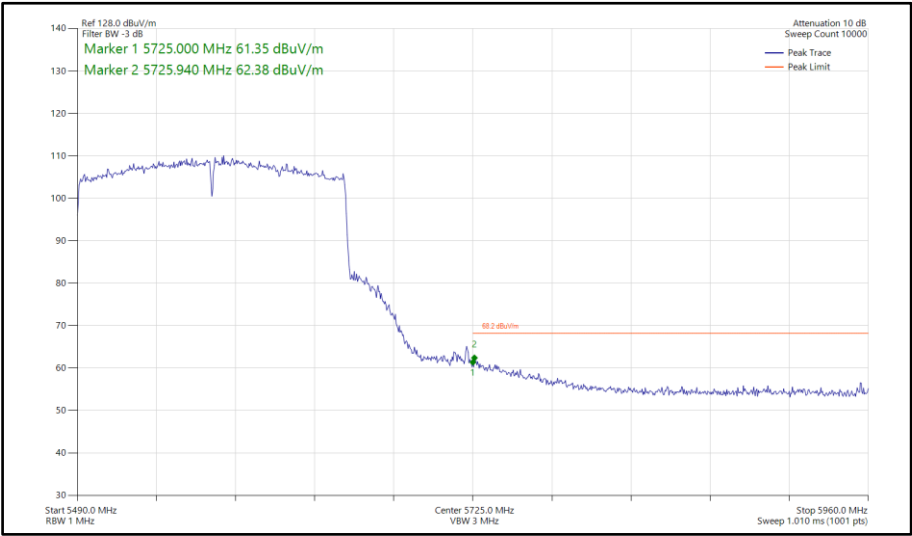


Figure 795 - 802.11ax HE160, SU, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5725 MHz

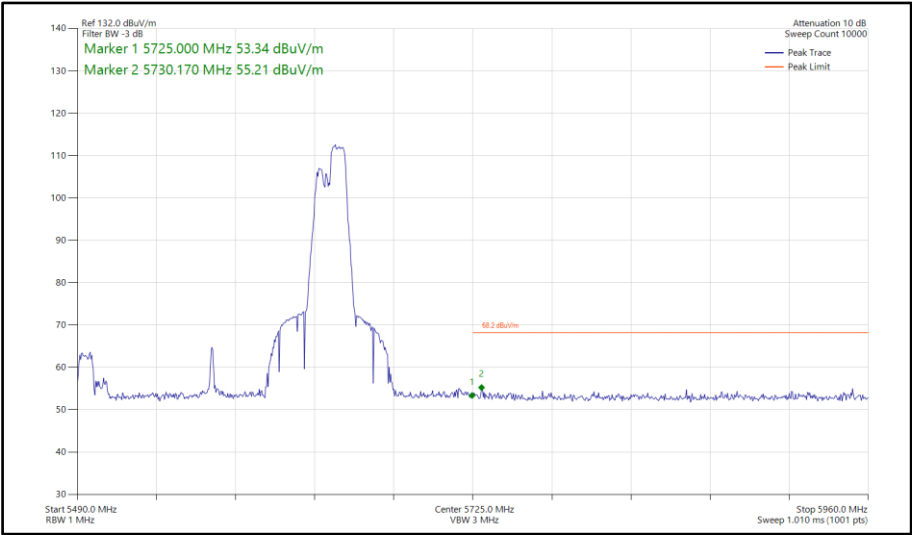


Figure 796 - 802.11ax HE160, RU106-60S, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5725 MHz

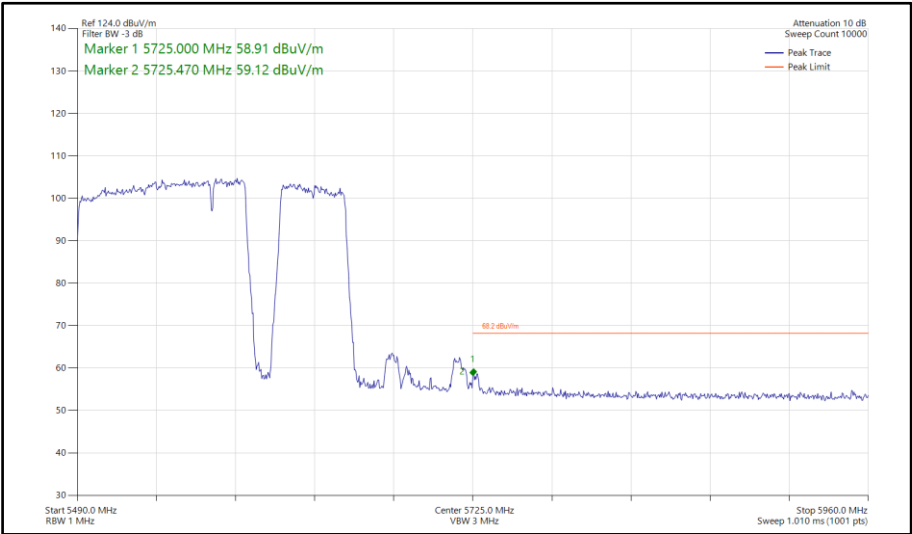


**Figure 797 - 802.11be EHT160, RU996+484+242-97S, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5725 MHz**



160 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11a a160	54 Mbps	-	-	5570	5470	59.18
802.11ac VHT160	MCS 2x1	-	-	5570	5470	63.15
802.11ax HE160	MCS 4x1	SU	-	5570	5470	63.02
802.11ax HE160	MCS 11x1	106	53P	5570	5470	55.42
802.11be EHT160	MCS 9x1	484+242	92P	5570	5470	63.58
802.11a a160	24 Mbps	-	-	5570	5725	60.16
802.11ac VHT160	MCS 4x1	-	-	5570	5725	61.96
802.11ax HE160	MCS 11x1	SU	-	5570	5725	62.70
802.11ax HE160	MCS 11x1	52	52S	5570	5725	54.99
802.11be EHT160	MCS 9x1	996+484+242	96P	5570	5725	60.82

Table 1655 - SISO Authorised Band Edge Results

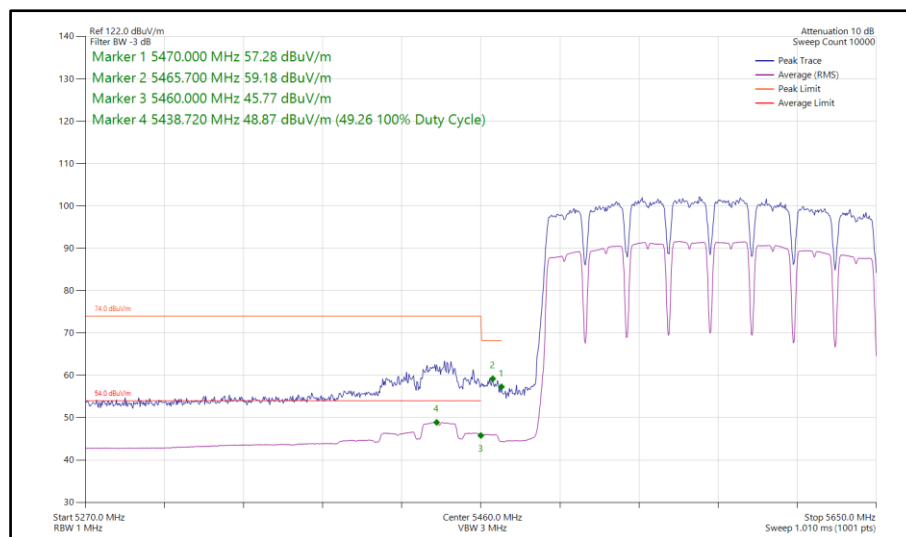


**Figure 798 - 802.11a a160, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**

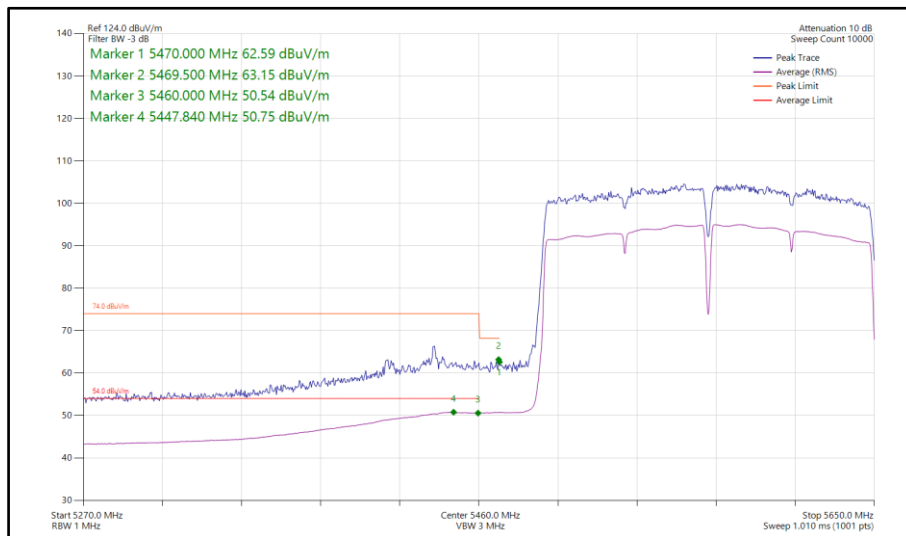


**Figure 799 - 802.11ac VHT160, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**

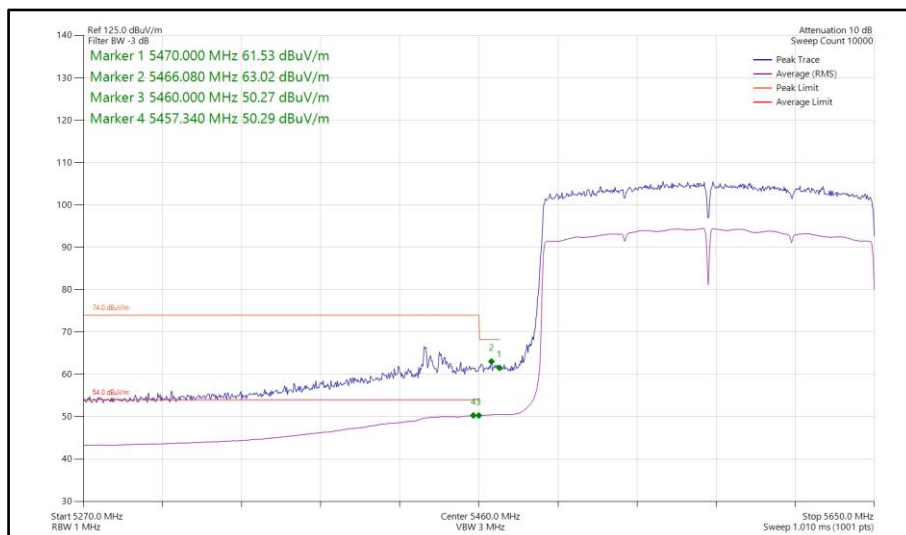


**Figure 800 - 802.11ax HE160, SU, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**

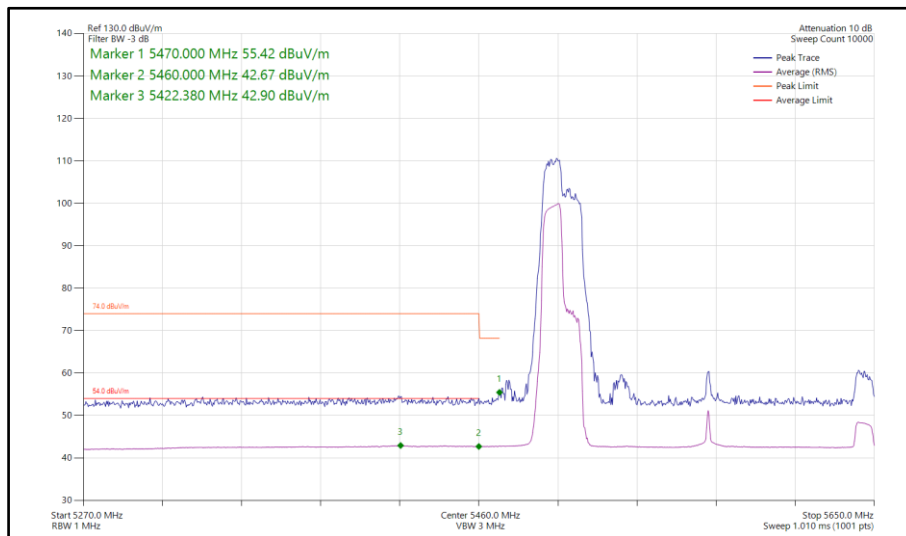


**Figure 801 - 802.11ax HE160, RU106-53P, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**

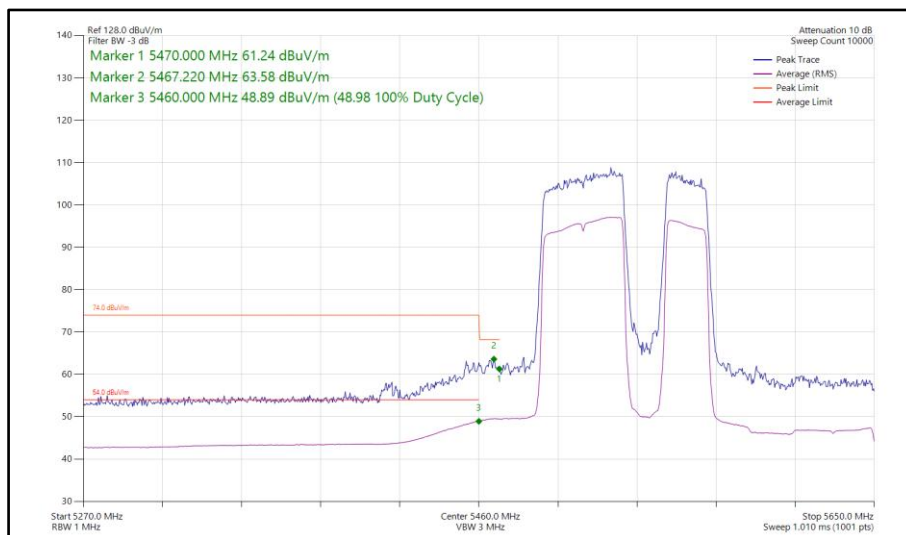


**Figure 802 - 802.11be EHT160, RU484+242-92P, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**

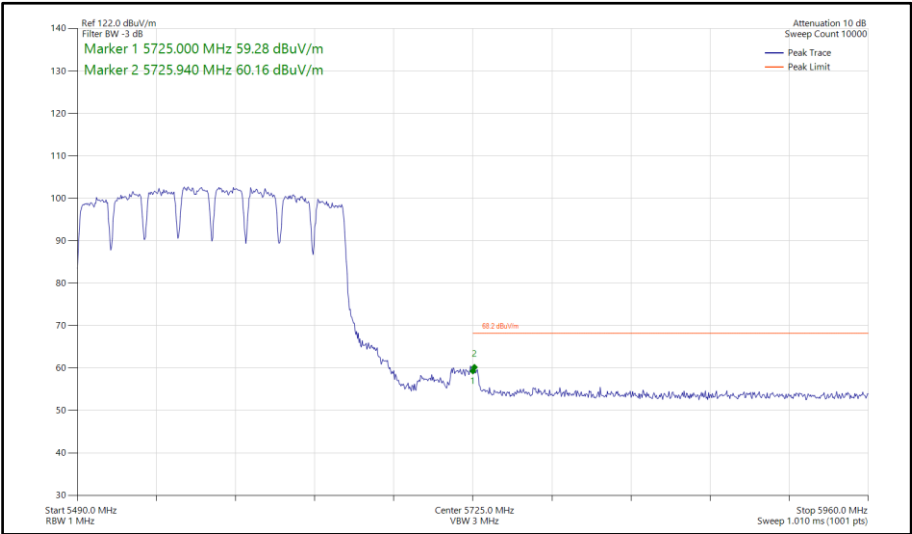


Figure 803 - 802.11a a160, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

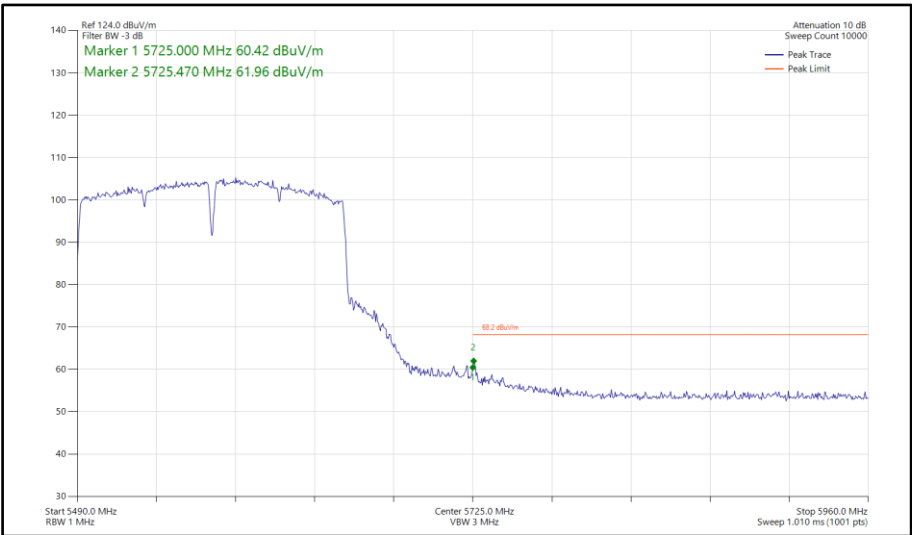


Figure 804 - 802.11ac VHT160, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

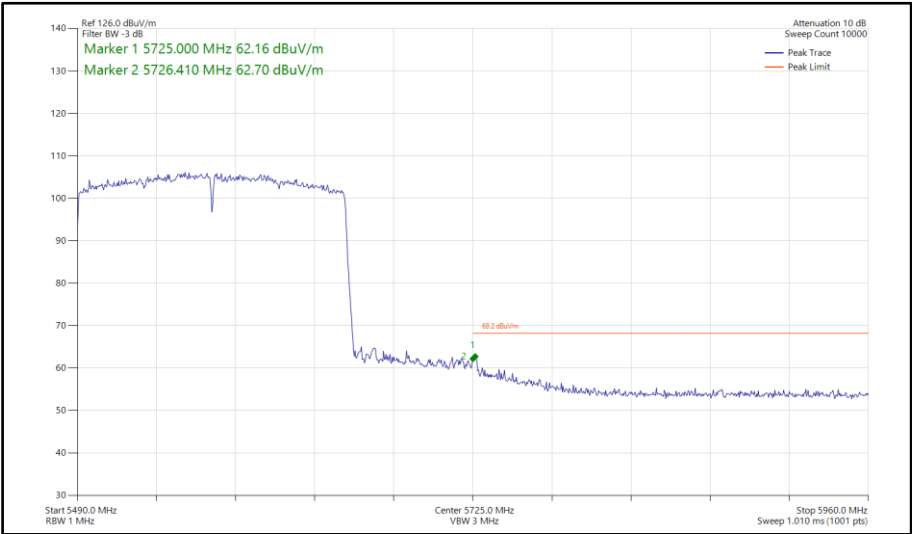


Figure 805 - 802.11ax HE160, SU, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

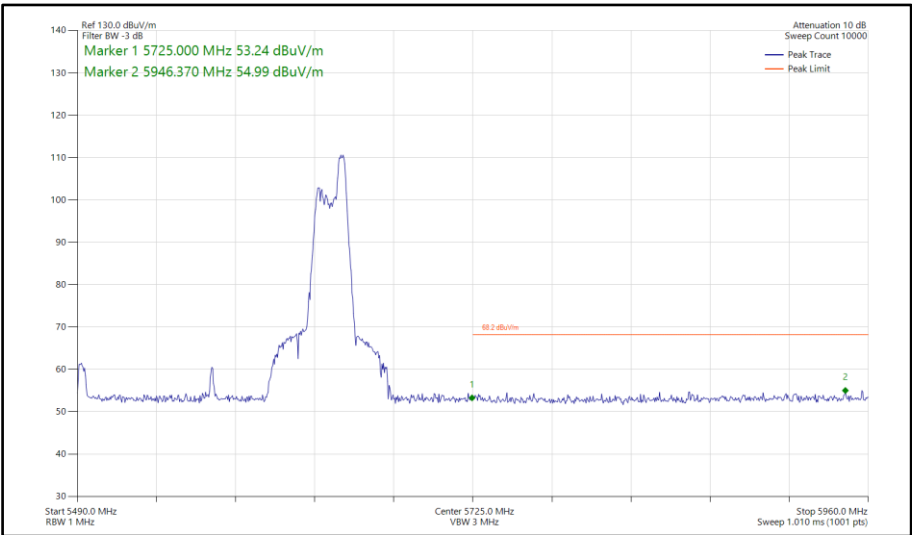


Figure 806 - 802.11ax HE160, RU52-52S, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

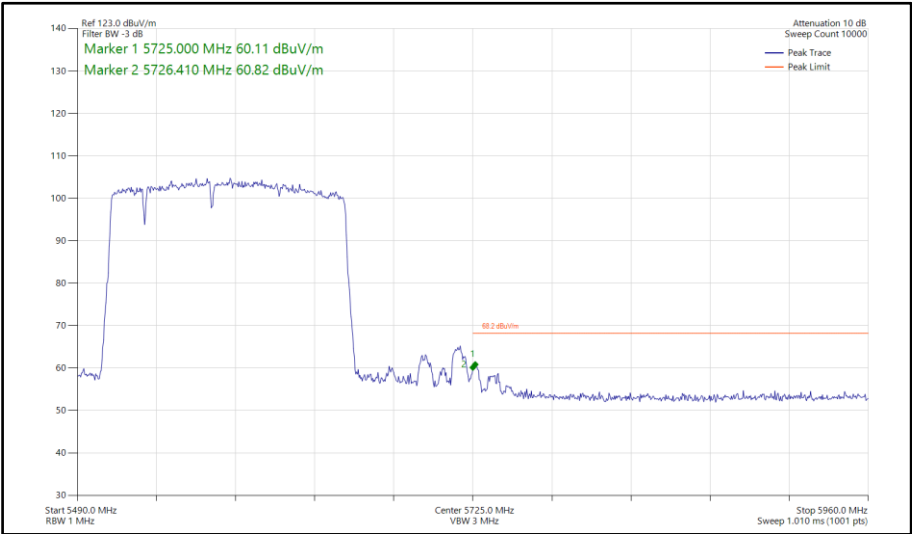


**Figure 807 - 802.11be EHT160, RU996+484+242-96P, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz**



160 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11a a160	24 Mbps	-	-	5570	5470	60.59
802.11ac VHT160	MCS 9x1	-	-	5570	5470	62.58
802.11ax HE160	MCS 4x1	SU	-	5570	5470	59.45
802.11ax HE160	MCS 11x1	52	37P	5570	5470	57.18
802.11be EHT160	MCS 9x1	484+242	92P	5570	5470	62.50
802.11a a160	24 Mbps	-	-	5570	5725	59.17
802.11ac VHT160	MCS 9x1	-	-	5570	5725	61.24
802.11ax HE160	MCS 4x1	SU	-	5570	5725	58.10
802.11ax HE160	MCS 11x1	106	60S	5570	5725	56.21
802.11be EHT160	MCS 9x1	996+484+242	96P	5570	5725	56.93

Table 1656 - CDD Authorised Band Edge Results

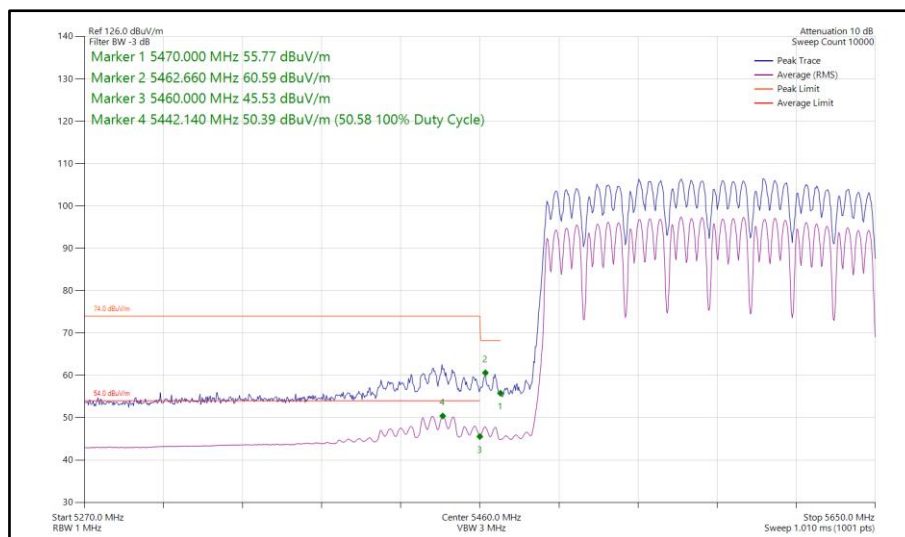


**Figure 808 - 802.11a a160, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz**

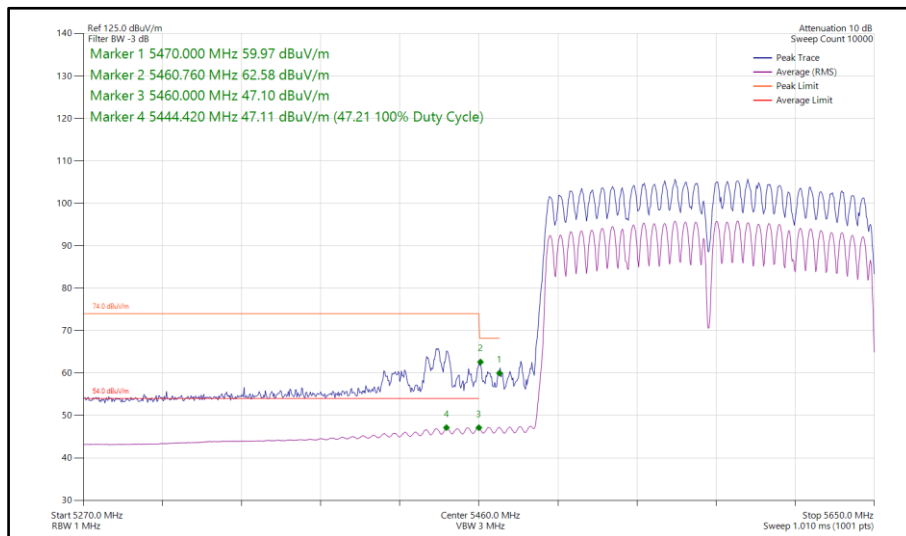


**Figure 809 - 802.11ac VHT160, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz**

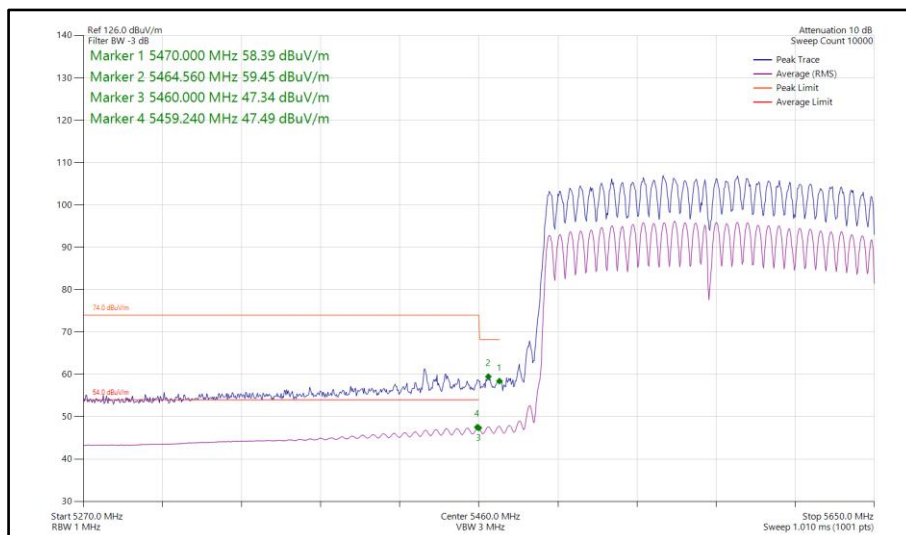


**Figure 810 - 802.11ax HE160, SU, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz**

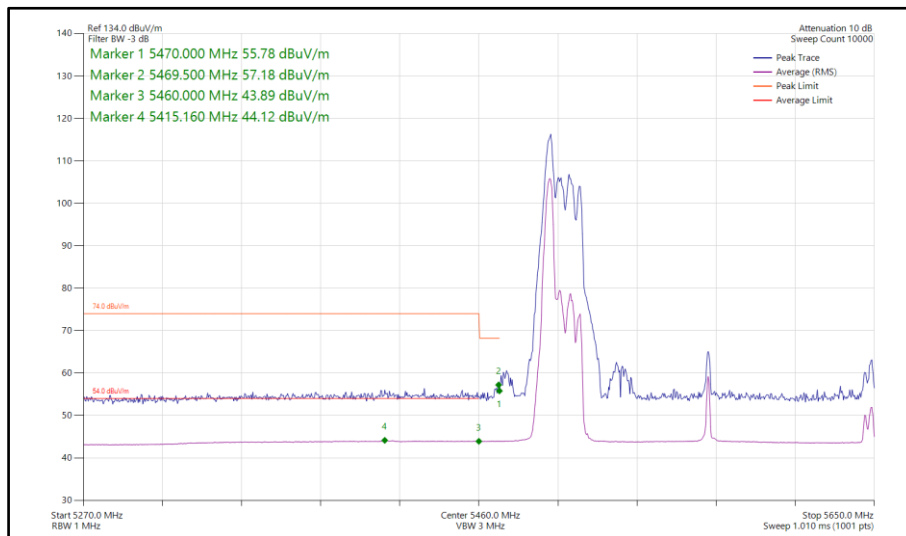


**Figure 811 - 802.11ax HE160, RU52-37P, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz**

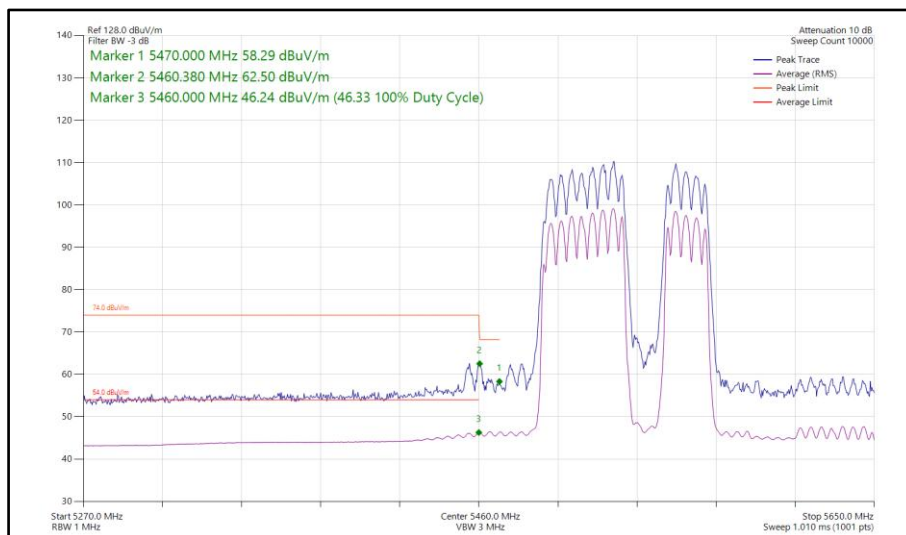


**Figure 812 - 802.11be EHT160, RU484+242-92P, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz**

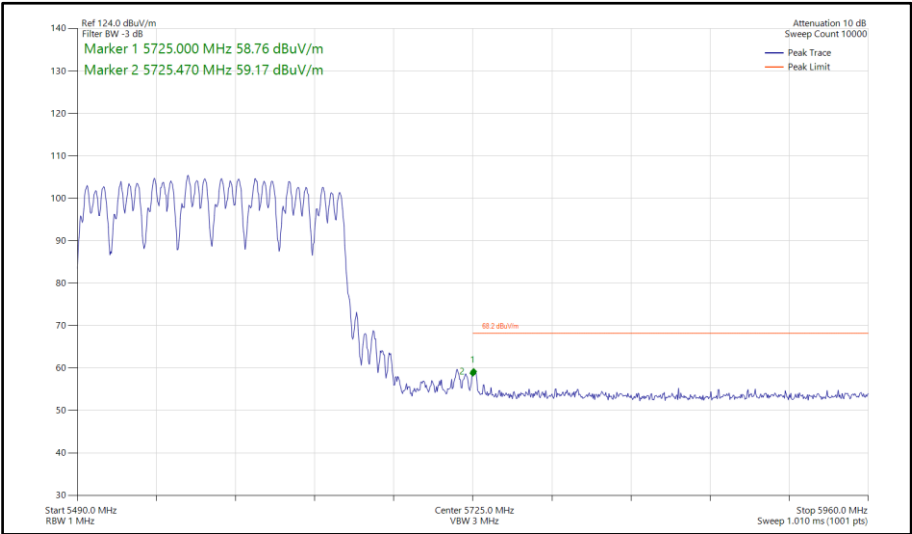


Figure 813 - 802.11a a160, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz

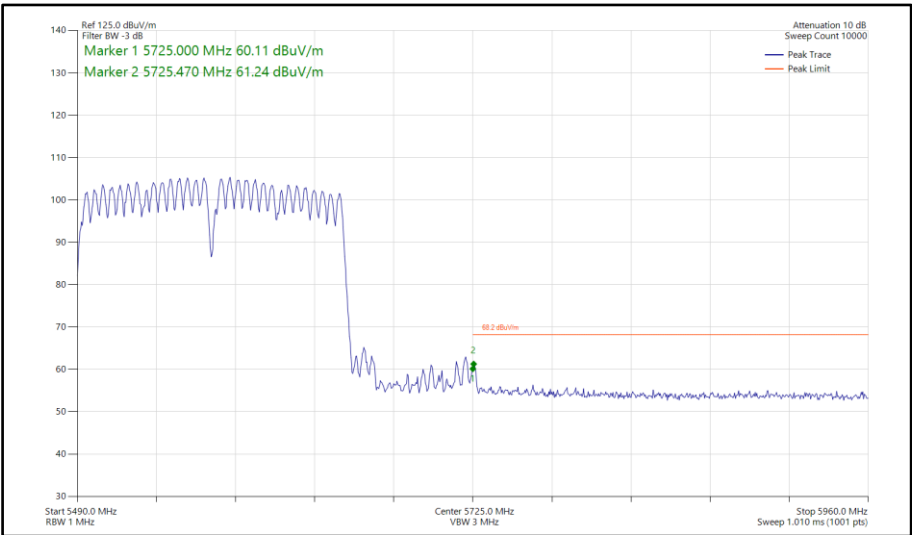


Figure 814 - 802.11ac VHT160, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz

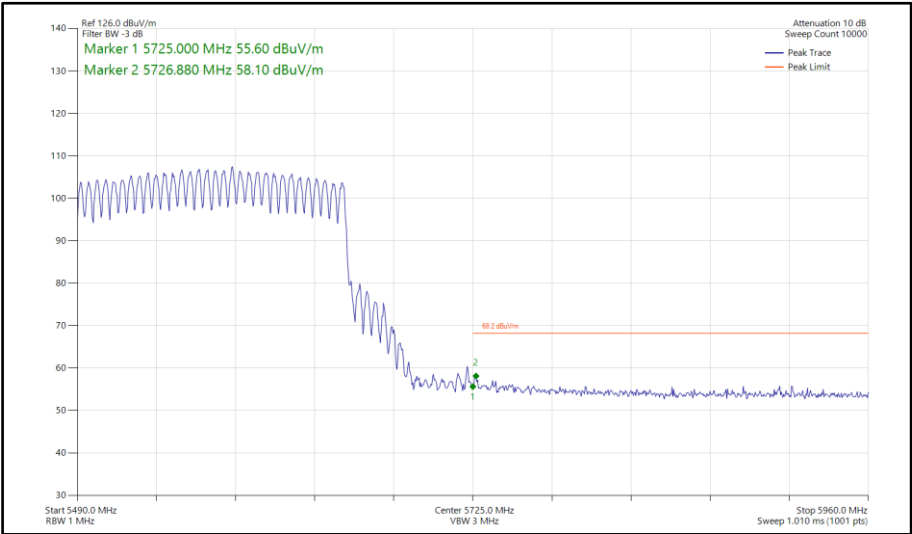


Figure 815 - 802.11ax HE160, SU, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz

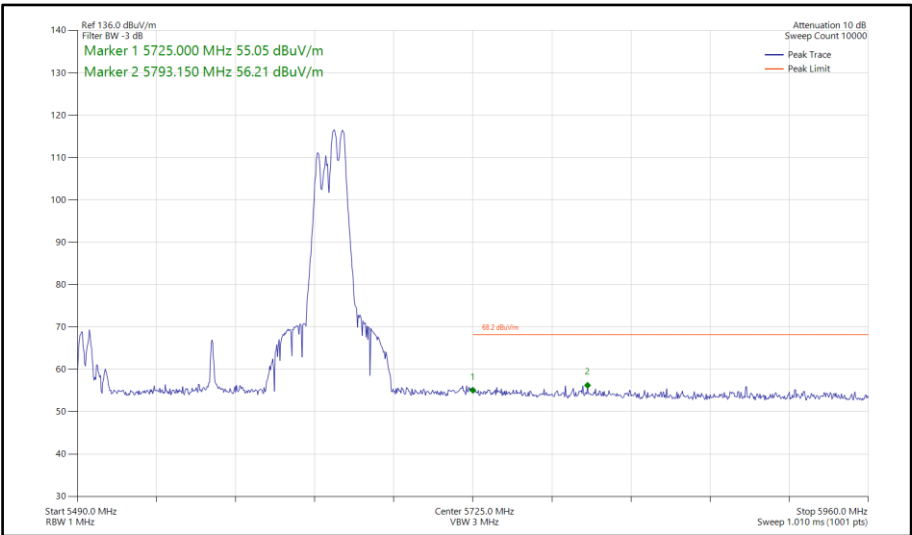


Figure 816 - 802.11ax HE160, RU106-60S, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz

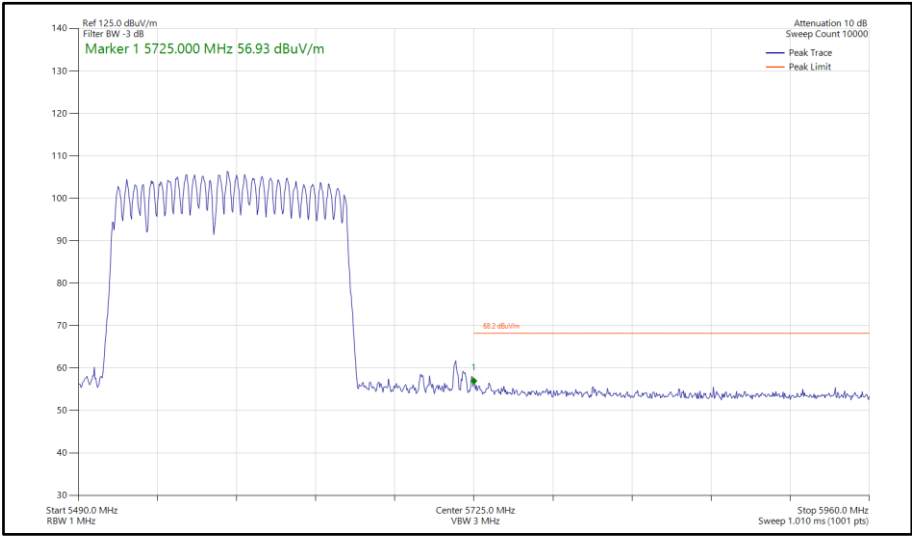


**Figure 817 - 802.11be EHT160, RU996+484+242-96P, CDD, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz**



160 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11ac VHT160	MCS 2x2	-	-	5570	5470	61.97
802.11ax HE160	MCS 11x2	SU	-	5570	5470	60.66
802.11ax HE160	MCS 11x2	106	53P	5570	5470	57.83
802.11be EHT160	MCS 9x2	106+26	82P	5570	5470	60.40
802.11ac VHT160	MCS 4x2	-	-	5570	5725	57.57
802.11ax HE160	MCS 11x2	SU	-	5570	5725	59.67
802.11ax HE160	MCS 11x2	106	60S	5570	5725	56.04
802.11be EHT160	MCS 9x2	996+484+242	97S	5570	5725	59.38

Table 1657 - SDM Authorised Band Edge Results

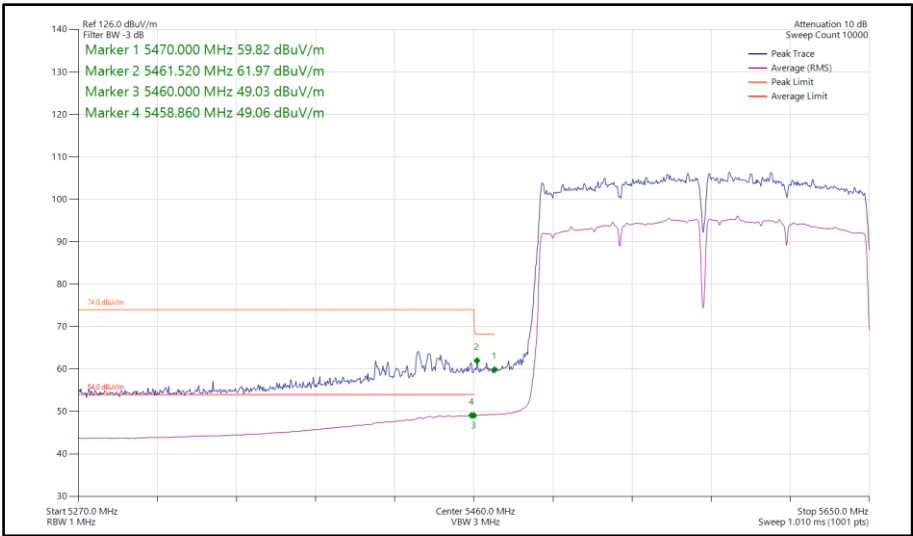


Figure 818 - 802.11ac VHT160, SDM, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz

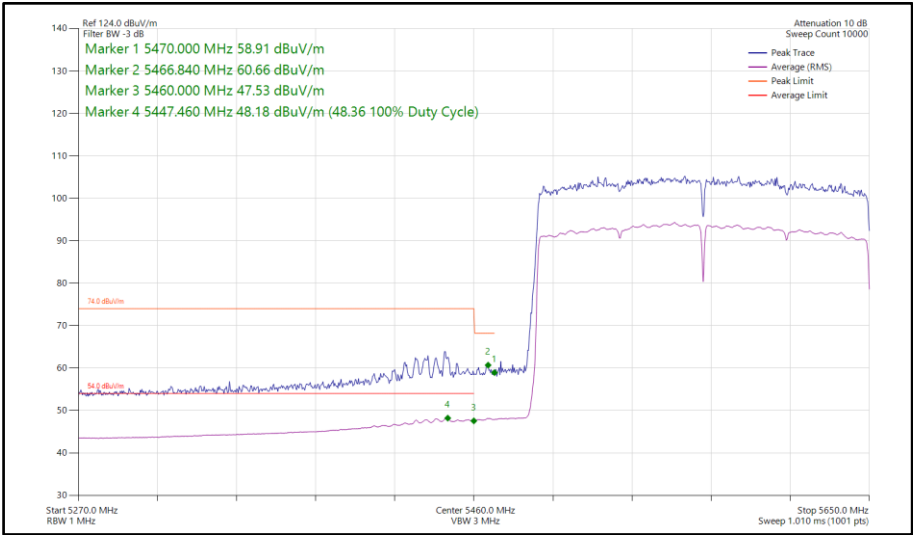


**Figure 819 - 802.11ax HE160, SU, SDM, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz**

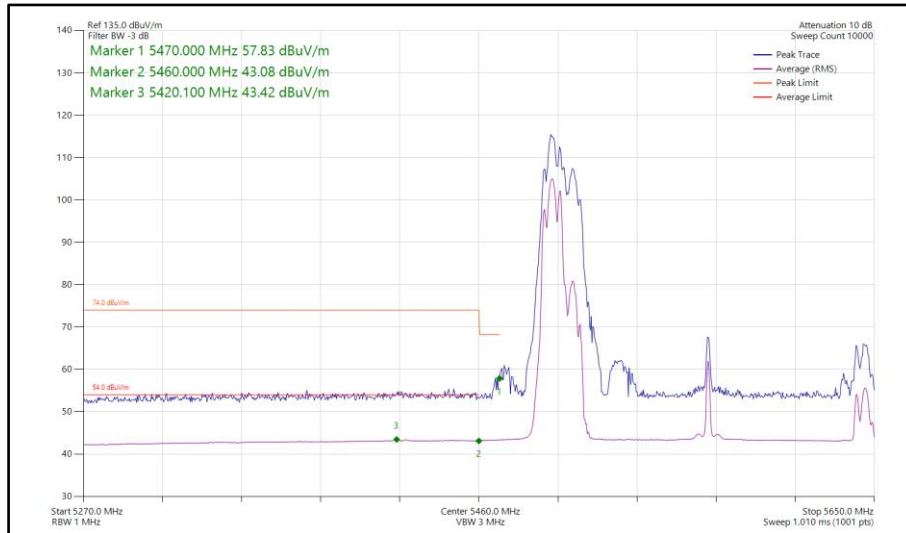


**Figure 820 - 802.11ax HE160, RU106-53P, SDM, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz**

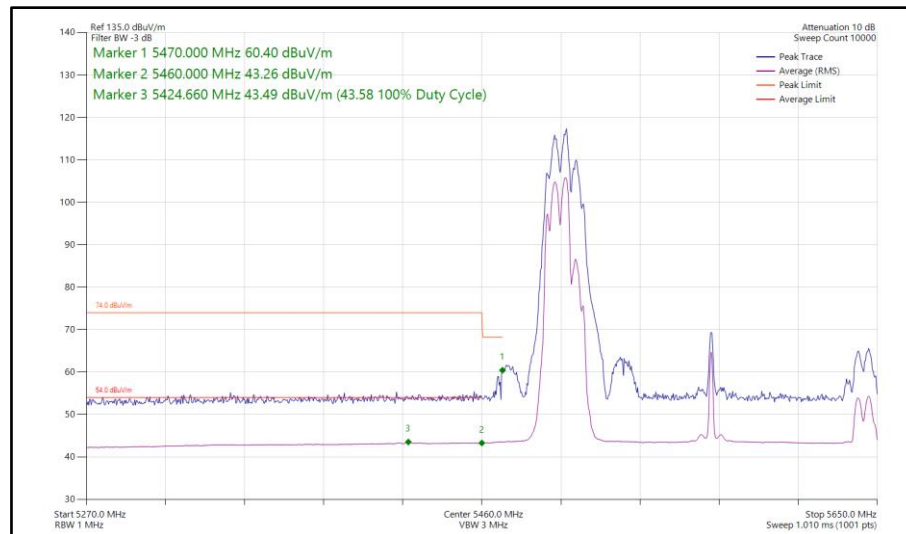


**Figure 821 - 802.11be EHT160, RU106+26-82P, SDM, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz**

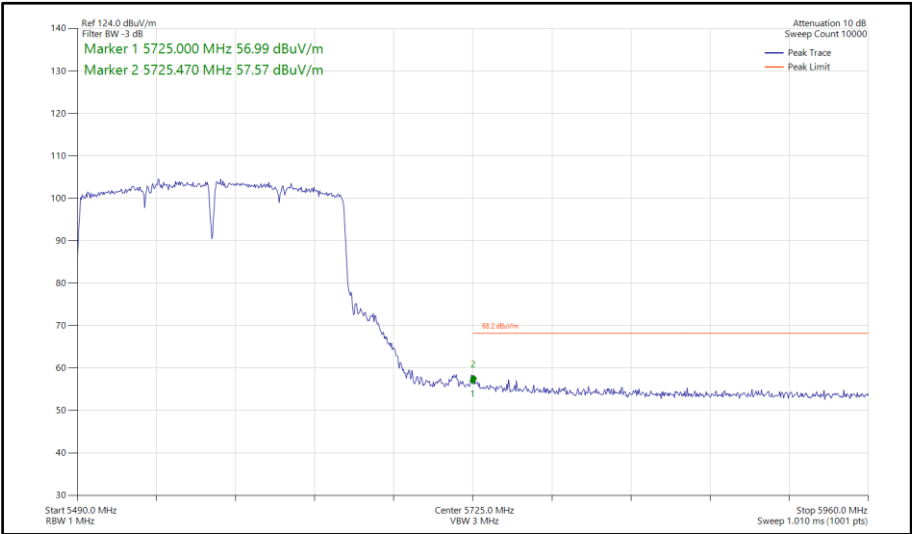


**Figure 822 - 802.11ac VHT160, SDM, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz**

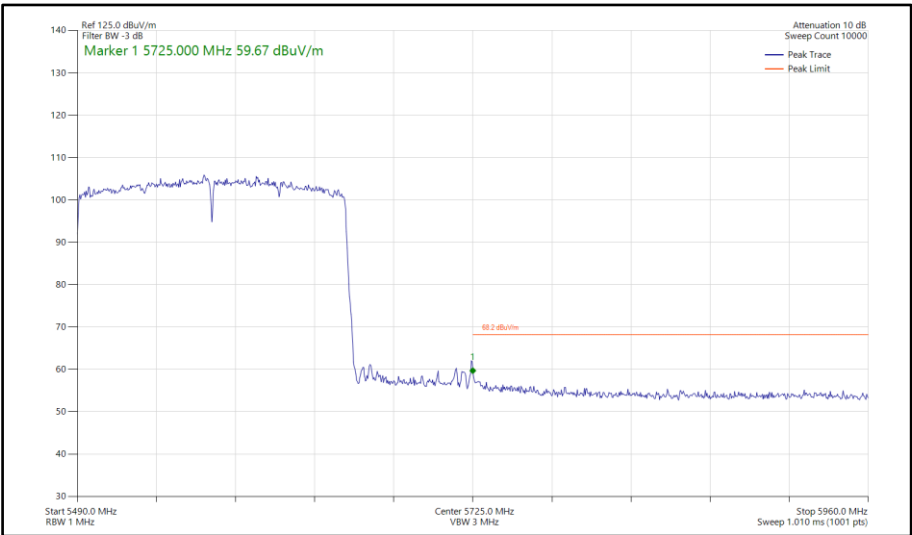


**Figure 823 - 802.11ax HE160, SU, SDM, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz**

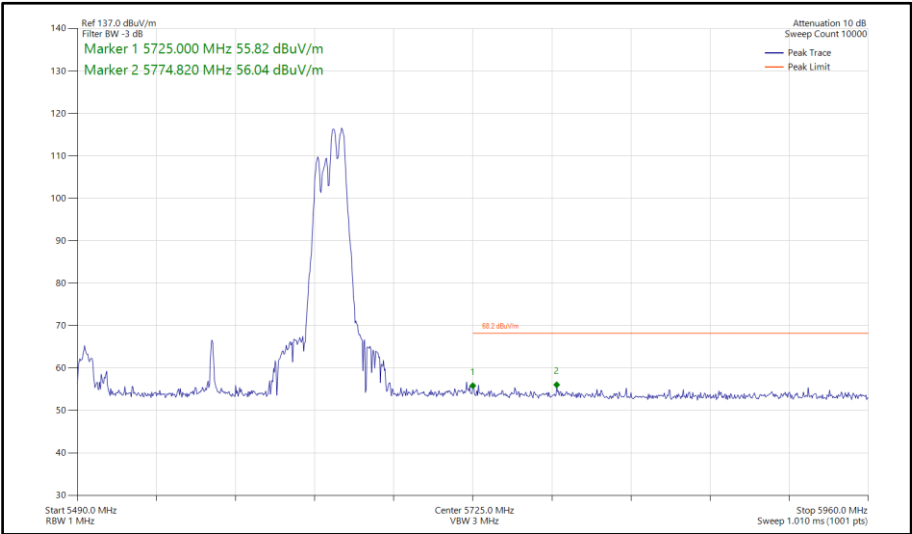


Figure 824 - 802.11ax HE160, RU106-60S, SDM, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz

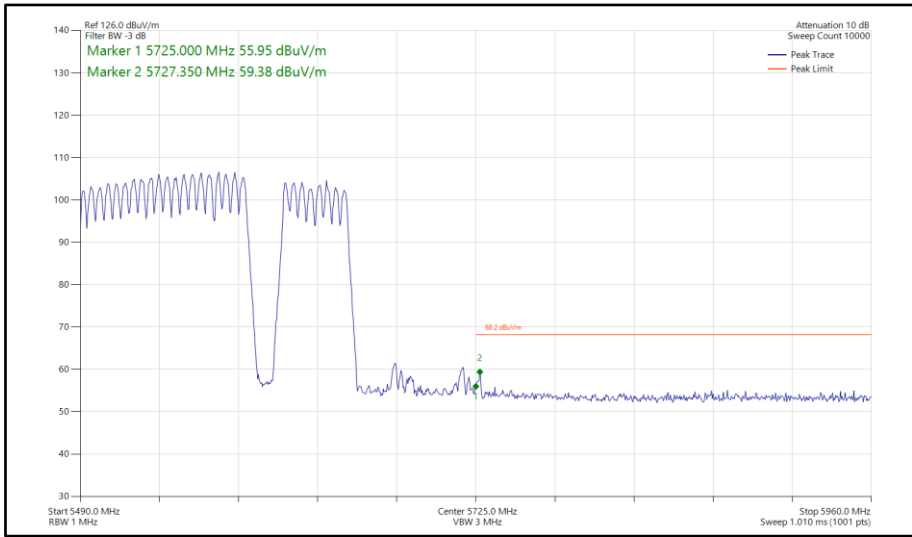


Figure 825 - 802.11be EHT160, RU996+484+242-97S, SDM, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz



160 MHz Bandwidth - Core 0-1 (TxBF)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11ac VHT160	MCS 9x1	-	-	5570	5470	58.57
802.11ax HE160	MCS 11x1	SU	-	5570	5470	56.78
802.11ac VHT160	MCS 2x1	-	-	5570	5725	58.05
802.11ax HE160	MCS 4x1	SU	-	5570	5725	55.67

Table 1658 - TxBF Authorised Band Edge Results

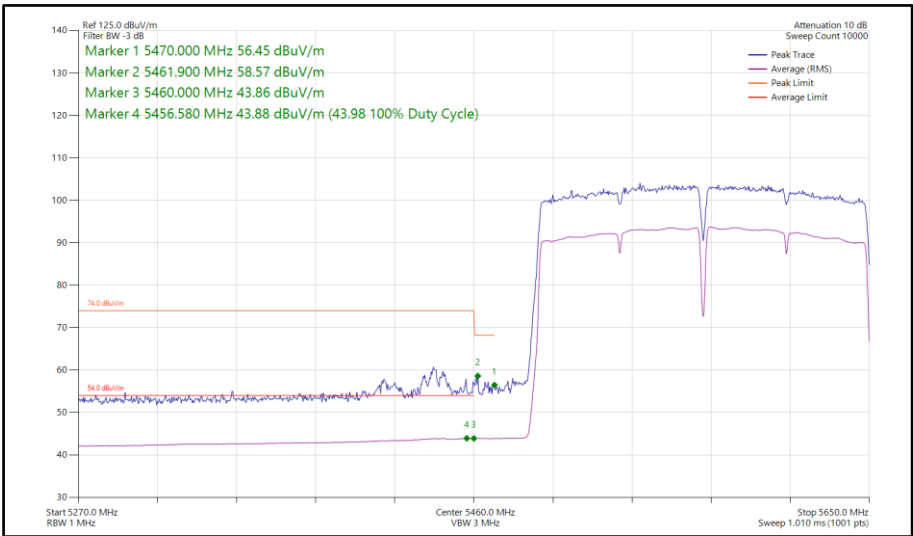


Figure 826 - 802.11ac VHT160, TxBF, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz

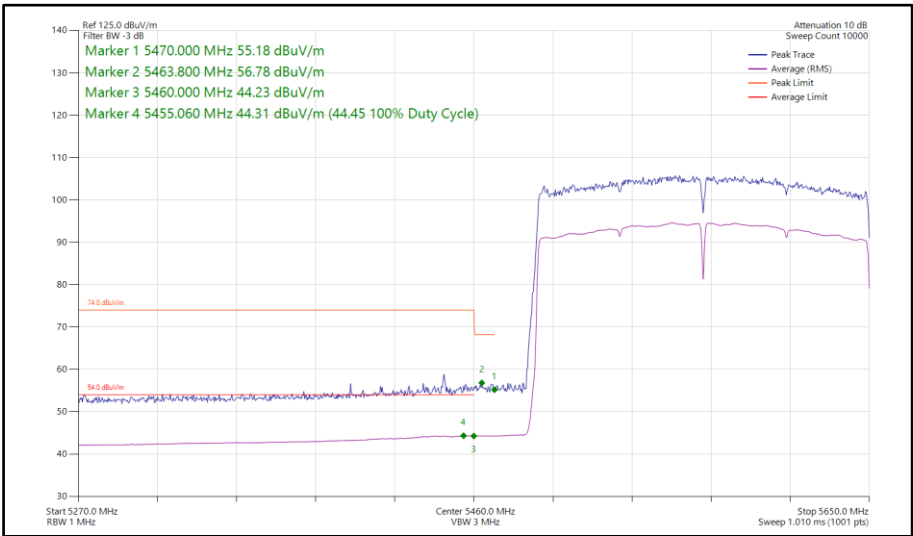


Figure 827 - 802.11ax HE160, SU, TxBF, Core 0-1 - 5570 MHz
Band Edge Frequency 5470 MHz

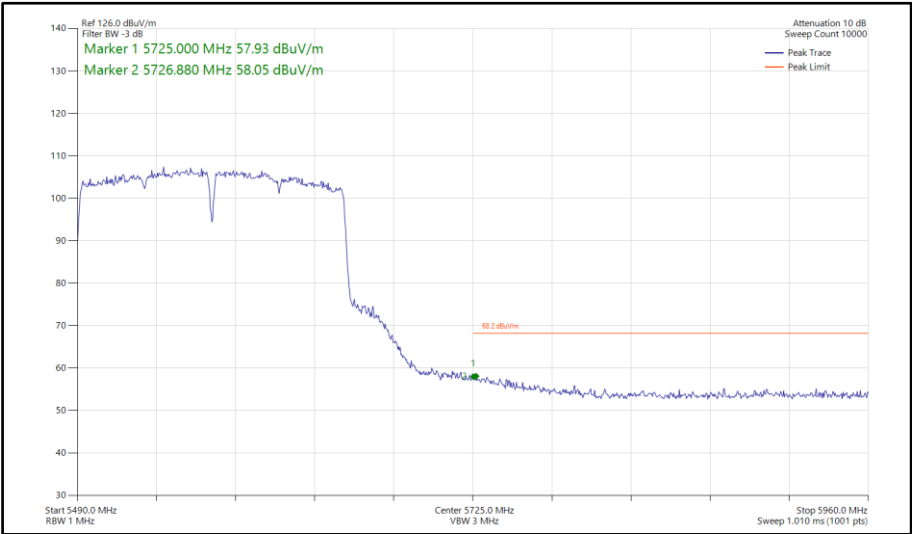


Figure 828 - 802.11ac VHT160, TxBF, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz

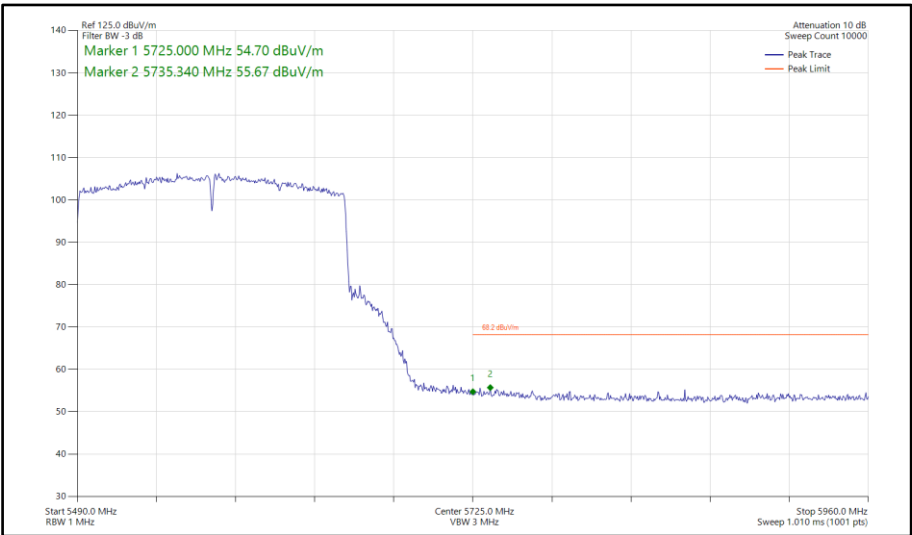


Figure 829 - 802.11ax HE160, SU, TxBF, Core 0-1 - 5570 MHz
Band Edge Frequency 5725 MHz



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, 6.2.4.2 and 6.2.5.3

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:

- 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;
- 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;
- 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.

For the 5895 MHz band edge and above, all devices shall be measured using average detection and shall comply with the following e.i.r.p. spectral density limits:

Fixed outdoor access points and fixed outdoor client devices shall not exceed -27 dBm/MHz e.i.r.p. spectral density at or above the 5895 MHz band edge.

Indoor access points or indoor subordinate devices shall not exceed 15 dBm/MHz e.i.r.p. spectral density at the 5895 MHz band edge and shall decrease linearly to not exceed -7 dBm/MHz e.i.r.p. spectral density at or above 5925 MHz.

Client devices shall not exceed -5 dBm/MHz e.i.r.p. spectral density at the 5895 MHz band edge and shall decrease linearly to not exceed -27 dBm/MHz e.i.r.p. spectral density at or above 5925 MHz.



2.5.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14, RF Chamber 15, RF Chamber 16, RF Chamber 17 and RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.3 V.	5125	-	O/P Mon
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	29-Oct-2026
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	17-Sep-2027
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	O/P Mon
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 14	5958	36	23-Apr-2028
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	23-Apr-2028
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
3m Semi-Anechoic Chamber, Chamber 16	Albatross Projects	RF Chamber 16	5972	36	07-May-2028
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5973	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5974	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5975	-	TU
Horn Antenna (1-10.5 GHz)	Schwarzbeck	BBHA9120B	6140	12	12-Sep-2027
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	12-Sep-2027
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	12-Sep-2027
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	05-Dec-2026
Digital Multimeter	Fluke	115	6145	12	02-Jun-2027
Digital Multimeter	Fluke	115	6146	12	03-Jun-2027
Digital Multimeter	Fluke	115	6147	12	03-Jun-2027



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Humidity & Temperature meter	R.S Components	1364	6149	12	28-Aug-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	11-Dec-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2026
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	23-Mar-2027
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	19-May-2027
EMC Test Receiver	Rohde & Schwarz	ESW44	6333	12	08-May-2027
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	18-May-2027
Horn Antenna (1–10.5 GHz)	Schwarzbeck	BBHA 9120 B	6457	12	12-Sep-2027
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	08-May-2028
AC Power Supply	iTech	IT7324	6657	-	O/P Mon
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	07-May-2028
Mast and Turntable Controller	Maturo Gmbh	FCU3.0	6659	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6660	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6661	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	22-Sep-2026
AC Programmable Power Supply	iTech	IT7324	6812	-	O/P Mon
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	12-Sep-2027
8m SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	20-Aug-2027
Handheld Hygrometer	Fluke	971	6837	12	16-Sep-2026
Handheld Hygrometer	Fluke	971	6838	12	16-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6840	12	23-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6841	12	23-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6842	12	23-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6843	12	14-Sep-2027
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6844	12	14-Sep-2027



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6845	12	14-Sep-2027
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6848	12	23-Oct-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6849	12	06-Nov-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6850	12	23-Oct-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6851	12	06-Nov-2026
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6886	12	02-Dec-2026
Humidity & Temperature meter	Fluke	971	7103	12	19-Aug-2027

Table 1659

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



2.6 Spurious Radiated Emissions

2.6.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.209 and 15.407 (b)
ISED RSS-247, Clause 7.3
ISED RSS-GEN, Clause 6.13 and 8.9

2.6.2 Equipment Under Test and Modification State

A3469, S/N: CYK71DJW99 - Modification State 0

2.6.3 Date of Test

24-August-2026 to 04-September-2026

2.6.4 Test Method

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

Measurements were undertaken from 30 MHz to 40 GHz on Channel 36 (5180 MHz) and Channel 165 (5825 MHz). For the purpose of this testing, spurious emissions were limited to 1 GHz to 40 GHz on all other test channels.

All testing was performed using the lowest data rate/modulation scheme for the applicable mode since this was declared worst case by the customer.

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 using trace averaging.

The plots shown are the characterization of the EUT. The limits on the plots represent the most stringent case for restricted bands, (54/74 dBμV/m @ 3 m and 64/84 dBμV/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 dBμV/m to μV/m:

$$10^{(Field\ Strength\ in\ dB\mu V/m/20)}.$$

EIRP was converted to field strength at 3m using the following formula:

$$Field\ Strength\ (dB\mu V/m\ at\ 3\ m) = EIRP\ (dBm) + 95.2\ dB$$

2.6.5 Test Setup Diagram

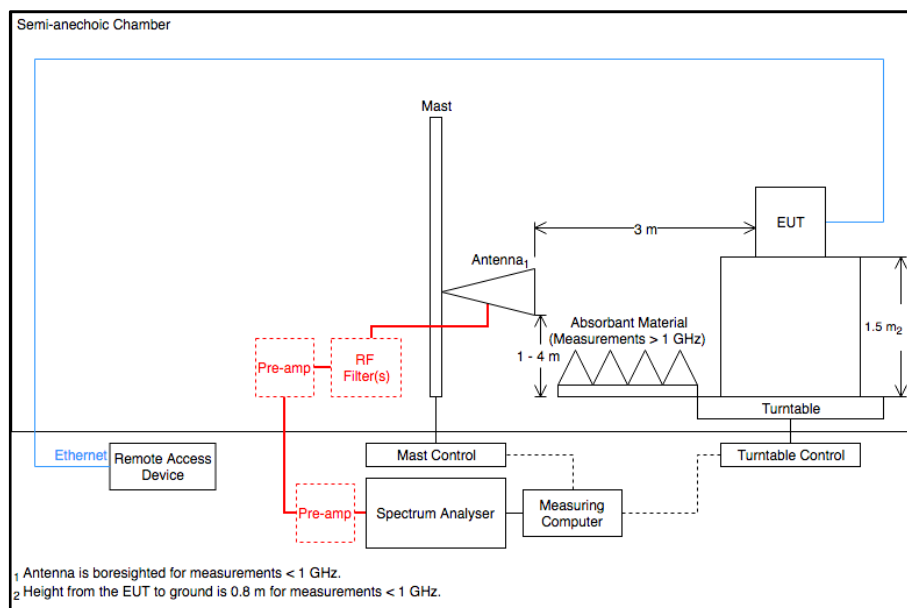


Figure 830 - Radiated Emissions Test Setup Diagram

2.6.6 Environmental Conditions

Ambient Temperature	19.7 - 23.5 °C
Relative Humidity	31.9 - 52.2 %



2.6.7 Test Results

5 GHz WLAN

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5060.038	56.96	74.00	-17.04	Peak	9	336	Vertical
5109.229	37.81	54.00	-16.19	RMS	288	386	Horizontal
5109.800	45.81	54.00	-8.19	RMS	355	345	Vertical
5456.458	38.11	54.00	-15.89	RMS	317	393	Horizontal
5475.329	50.41	68.20	-17.79	Peak	2	124	Horizontal
5654.695	54.83	68.20	-13.37	Peak	349	269	Vertical

Table 1660 - U-NII-1 - 5180 MHz (CH36), 802.11a, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

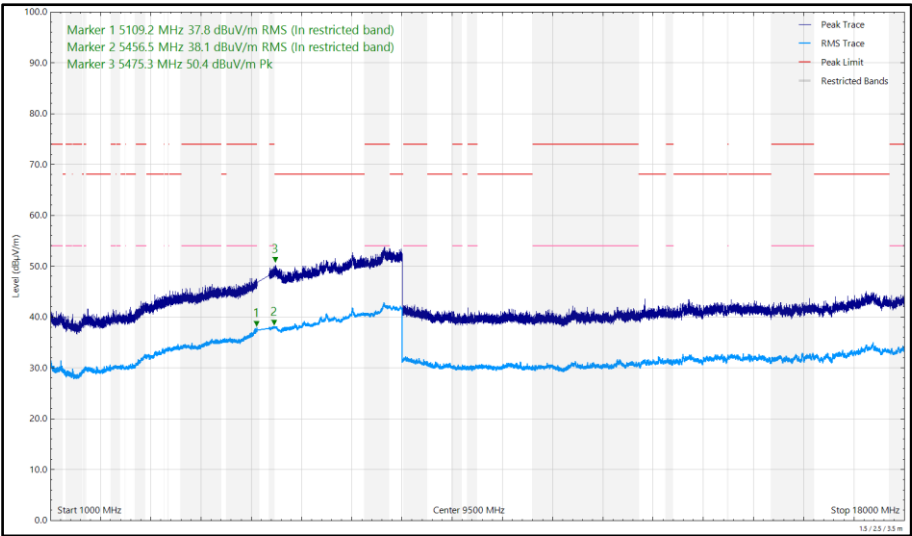


Figure 831 - U-NII-1 - 5180 MHz (CH36), 802.11a, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

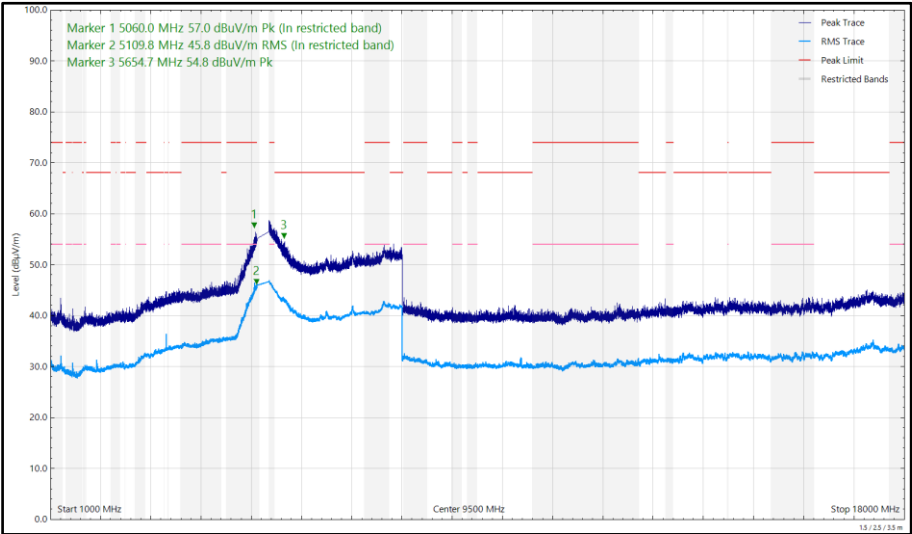


Figure 832 - U-NII-1 - 5180 MHz (CH36), 802.11a, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5404.247	45.87	54.00	-8.13	RMS	10	259	Vertical
5458.995	38.54	54.00	-15.46	RMS	29	304	Horizontal
5461.264	50.24	68.20	-17.96	Peak	29	335	Horizontal
5468.926	58.27	68.20	-9.93	Peak	10	344	Vertical
5917.206	56.72	68.20	-11.48	Peak	350	287	Vertical

Table 1661 - U-NII-2C - 5700 MHz (CH140), 802.11a, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

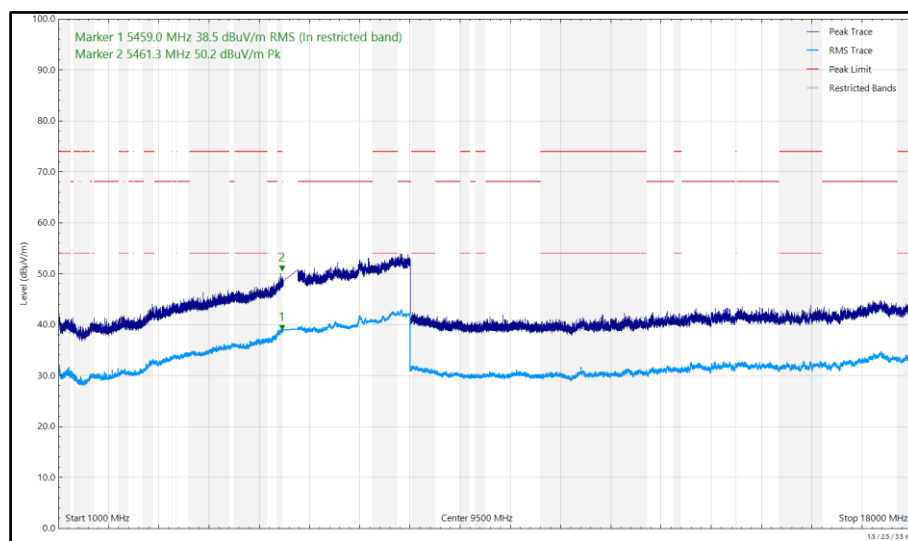


Figure 833 - U-NII-2C - 5700 MHz (CH140), 802.11a, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

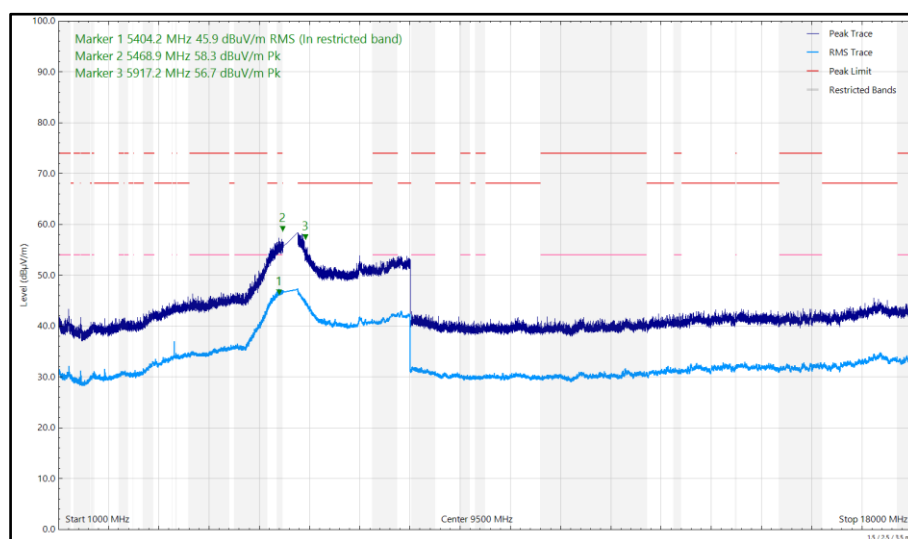


Figure 834 - U-NII-2C - 5700 MHz (CH140), 802.11a, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5415.985	57.63	74.00	-16.37	Peak	1	256	Vertical
5450.519	45.75	54.00	-8.25	RMS	360	251	Vertical
5455.402	37.69	54.00	-16.31	RMS	335	301	Horizontal
5506.797	48.78	68.20	-19.42	Peak	296	278	Horizontal
5704.096	60.05	68.20	-8.15	Peak	358	285	Vertical

Table 1662 - U-NII-3 - 5825 MHz (CH165), 802.11a, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

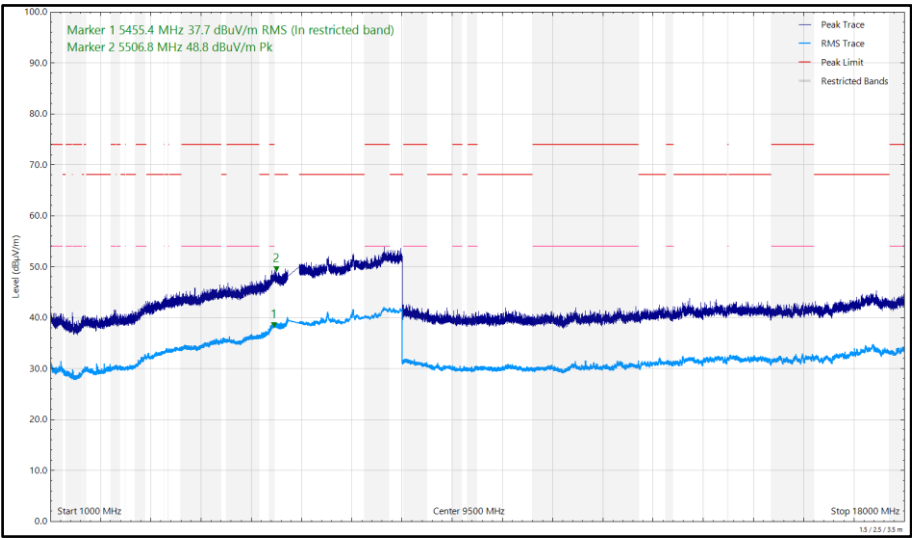


Figure 835 - U-NII-3 - 5825 MHz (CH165), 802.11a, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

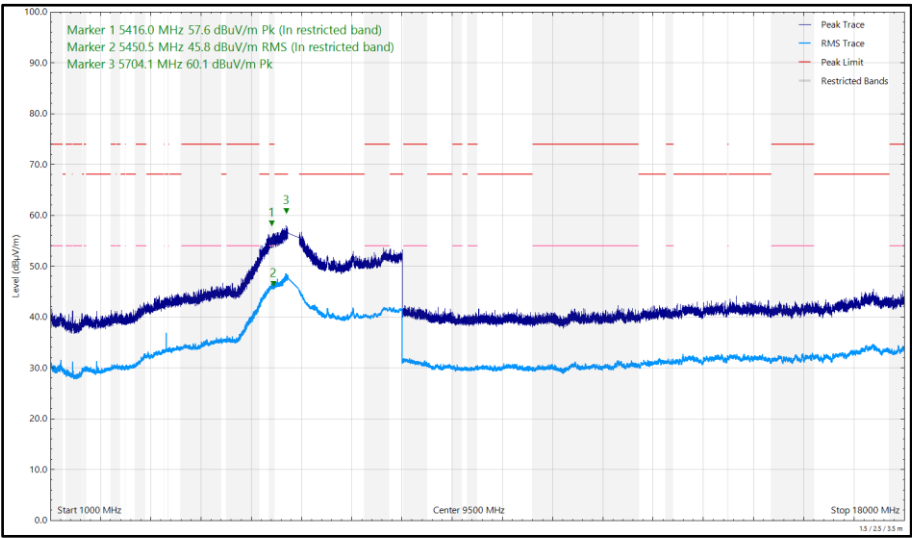


Figure 836 - U-NII-3 - 5825 MHz (CH165), 802.11a, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
30.019	29.72	40.00	-10.28	Q-Peak	189	117	Horizontal
30.256	33.45	40.00	-6.55	Q-Peak	7	126	Vertical
67.232	21.81	40.00	-18.19	Q-Peak	349	379	Vertical
108.308	19.21	43.50	-24.29	Q-Peak	24	375	Horizontal
153.870	20.27	43.50	-23.23	Q-Peak	137	350	Vertical
156.477	20.35	43.50	-23.15	Q-Peak	183	391	Horizontal
5106.244	38.18	54.00	-15.82	RMS	289	400	Horizontal
5108.634	45.48	54.00	-8.52	RMS	10	348	Vertical
5109.835	58.97	74.00	-15.03	Peak	354	347	Vertical
5352.389	46.92	54.00	-7.08	RMS	360	265	Vertical
5357.448	58.78	74.00	-15.22	Peak	360	273	Vertical
5365.602	38.09	54.00	-15.91	RMS	56	388	Horizontal
5471.932	48.81	68.20	-19.39	Peak	345	141	Horizontal

Table 1663 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

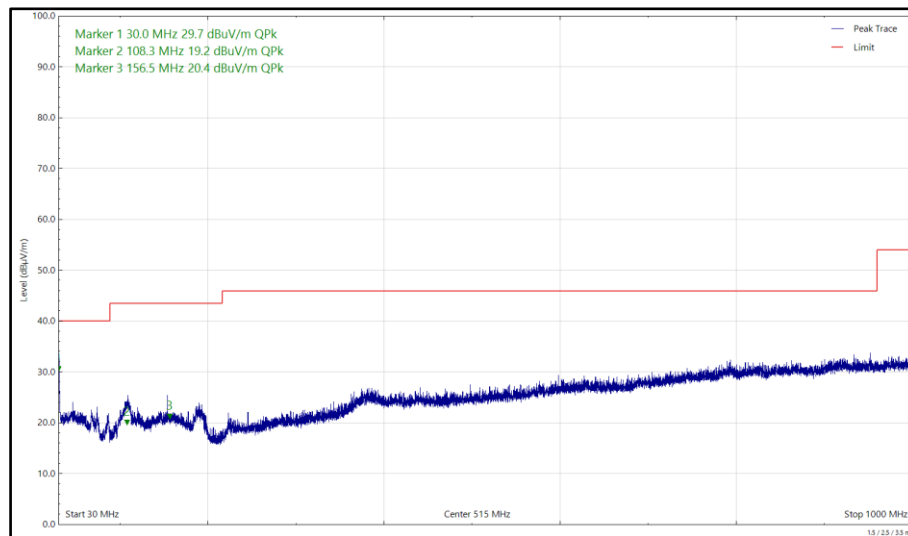


Figure 837 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

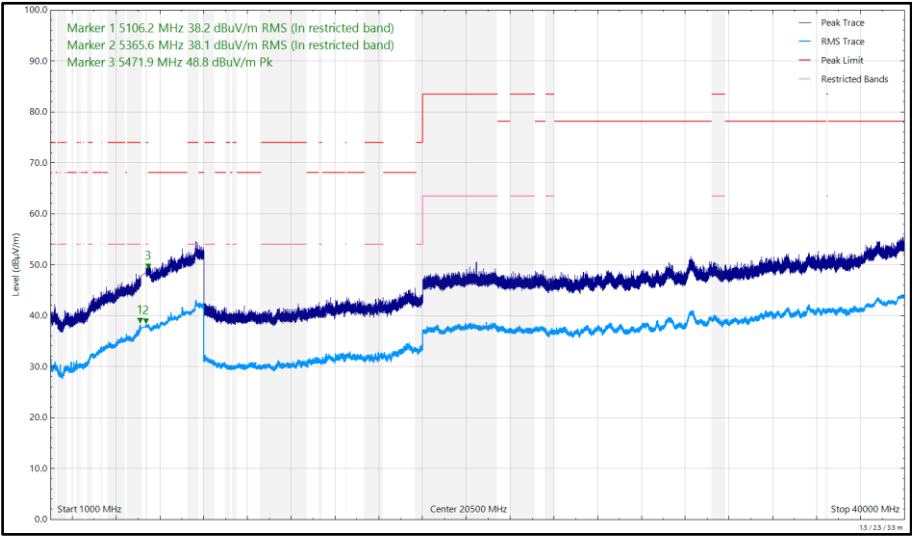


Figure 838 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

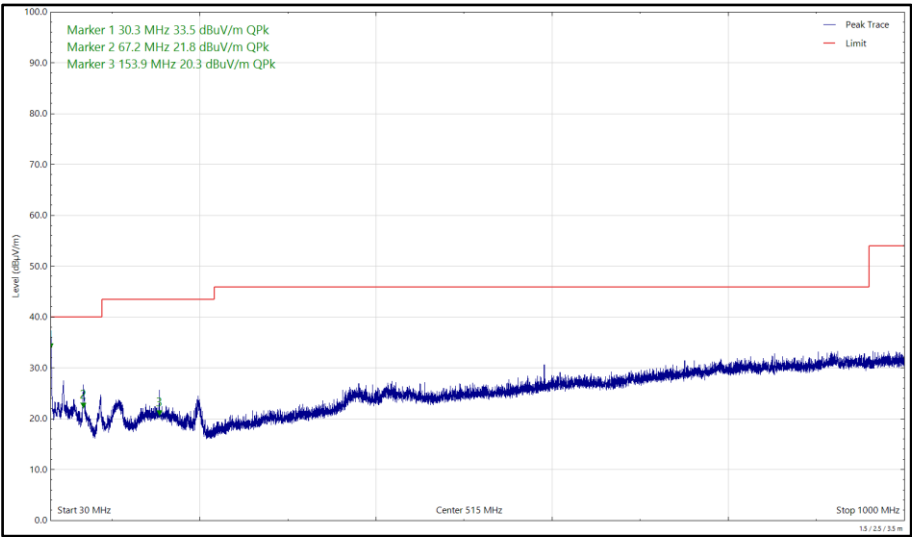


Figure 839 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

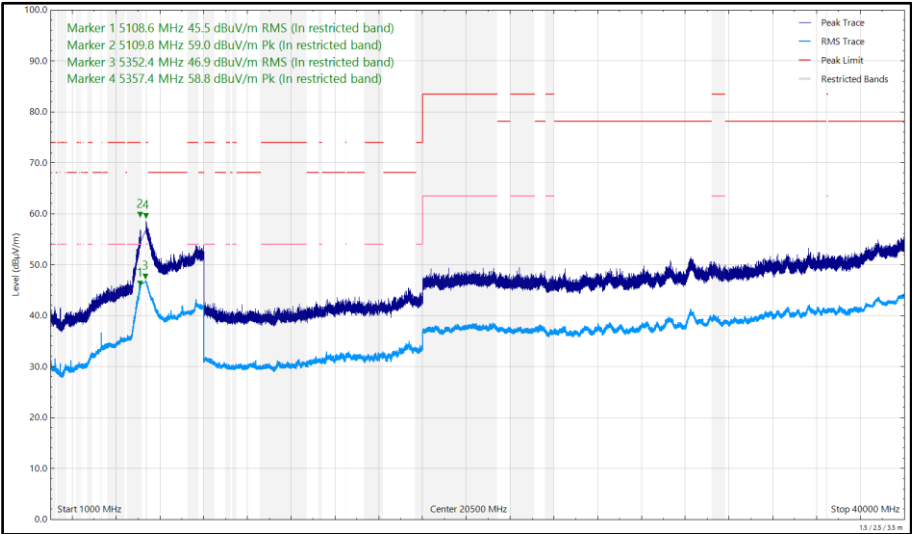


Figure 840 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5100.871	36.54	54.00	-17.46	RMS	313	393	Horizontal
5123.744	57.10	74.00	-16.90	Peak	360	336	Vertical
5149.616	45.16	54.00	-8.84	RMS	360	328	Vertical
5391.277	47.14	54.00	-6.86	RMS	1	293	Vertical
5432.106	38.57	54.00	-15.43	RMS	29	379	Horizontal
5441.411	58.56	74.00	-15.44	Peak	360	264	Vertical
5539.793	49.98	68.20	-18.22	Peak	47	400	Horizontal

Table 1664 - U-NII-2A - 5320 MHz (CH64), HT20, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

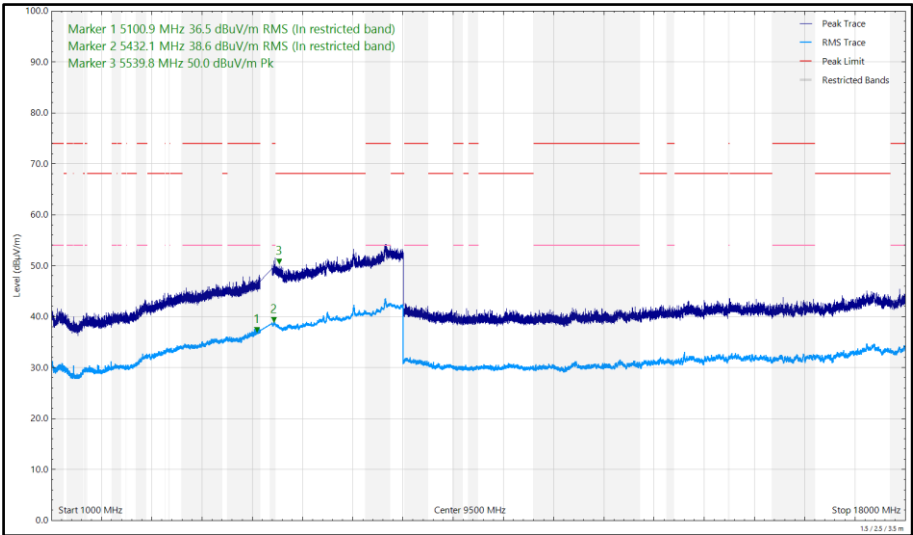


Figure 841 - U-NII-2A - 5320 MHz (CH64), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

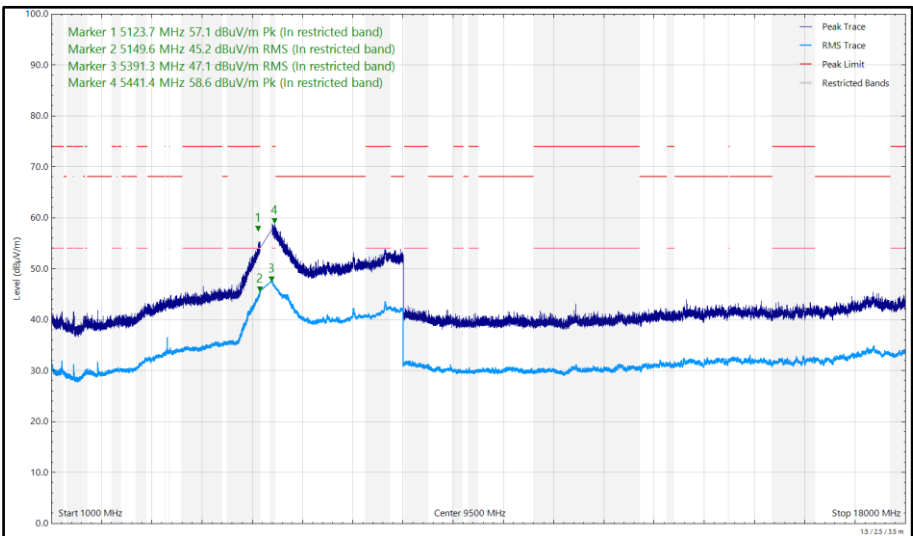




**Figure 842 - U-NII-2A - 5320 MHz (CH64), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz,
Vertical**



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5282.337	49.47	68.20	-18.73	Peak	329	304	Horizontal
5397.497	58.11	74.00	-15.89	Peak	2	336	Vertical
5407.045	47.24	54.00	-6.76	RMS	5	275	Vertical
5409.284	38.31	54.00	-15.69	RMS	285	390	Horizontal
5727.114	57.30	68.20	-10.90	Peak	5	291	Vertical
5880.980	49.99	68.20	-18.21	Peak	355	329	Horizontal

Table 1665 - U-NII-2C - 5500 MHz (CH100), HT20, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

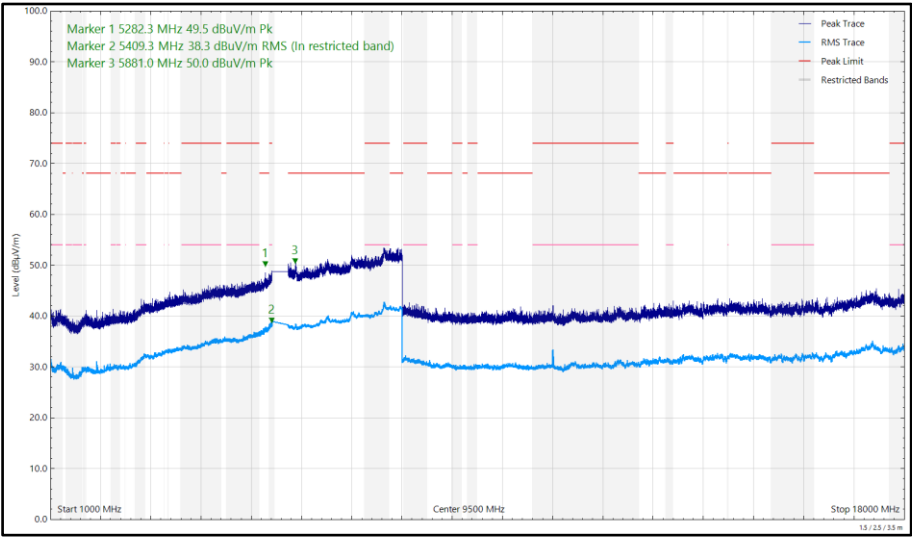


Figure 843 - U-NII-2C - 5500 MHz (CH100), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

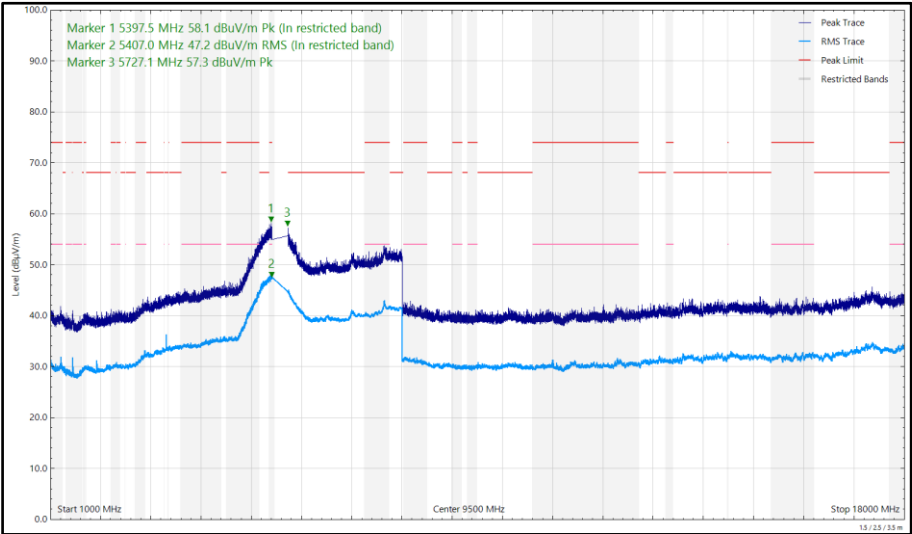


Figure 844 - U-NII-2C - 5500 MHz (CH100), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5402.320	45.95	54.00	-8.05	RMS	359	324	Vertical
5456.817	38.40	54.00	-15.60	RMS	53	375	Horizontal
5458.361	56.55	74.00	-17.45	Peak	348	264	Vertical
5466.638	50.09	68.20	-18.11	Peak	136	137	Horizontal
5764.427	59.86	68.20	-8.34	Peak	350	279	Vertical
5839.117	51.33	68.20	-16.87	Peak	52	396	Horizontal

Table 1666 - U-NII-2C - 5700 MHz (CH140), HT20, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

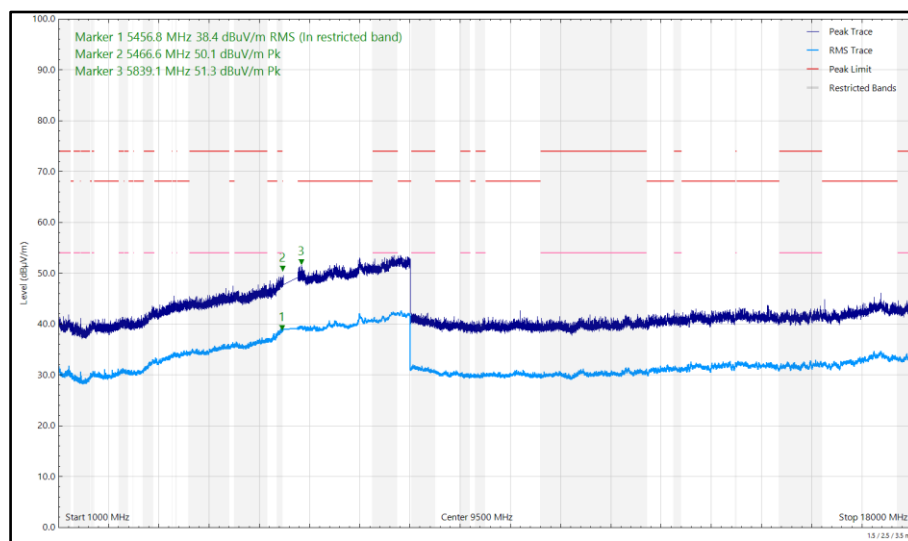


Figure 845 - U-NII-2C - 5700 MHz (CH140), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

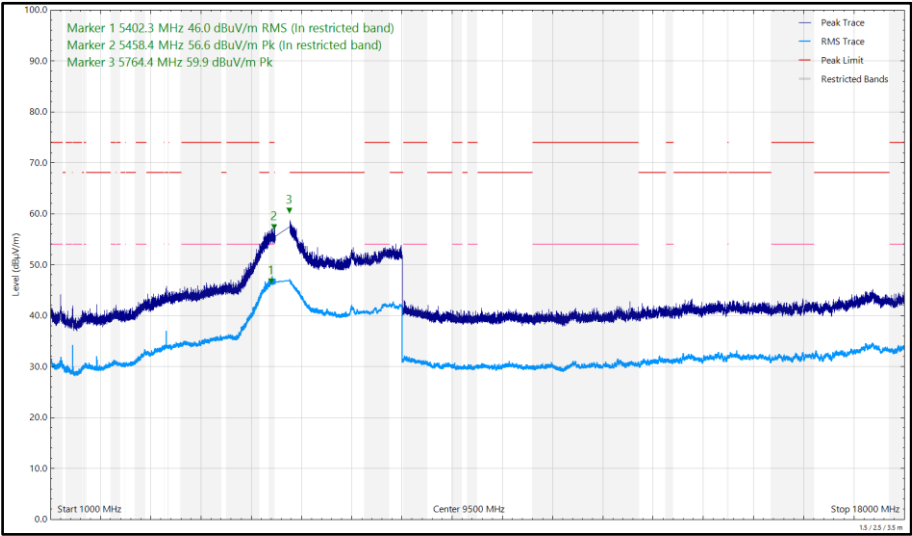


Figure 846 - U-NII-2C - 5700 MHz (CH140), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5413.161	45.85	54.00	-8.15	RMS	355	261	Vertical
5429.048	37.01	54.00	-16.99	RMS	169	143	Horizontal
5430.972	57.05	74.00	-16.95	Peak	360	289	Vertical
5526.931	48.40	68.20	-19.80	Peak	355	372	Horizontal
5875.332	58.39	68.20	-9.81	Peak	360	295	Vertical
5882.498	49.70	68.20	-18.50	Peak	206	100	Horizontal

Table 1667 - U-NII-3 - 5745 MHz (CH149), HT20, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

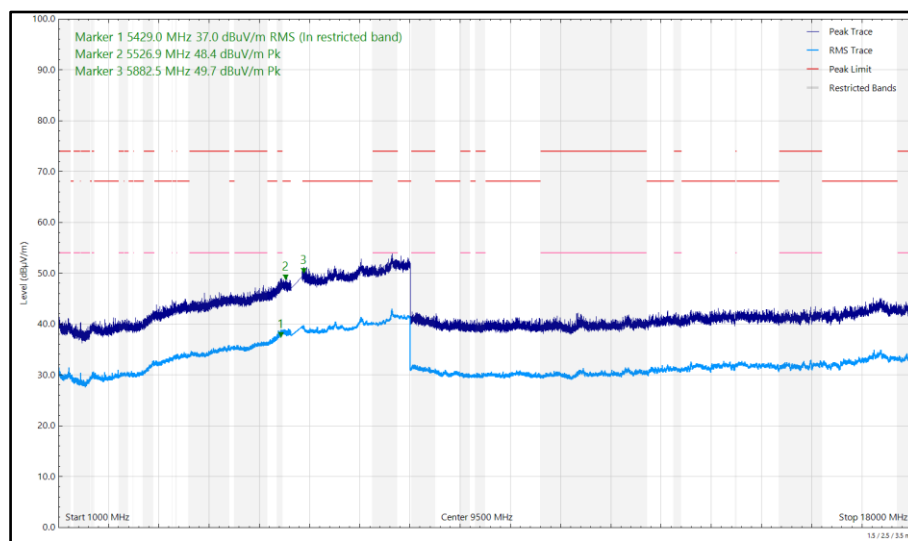


Figure 847 - U-NII-3 - 5745 MHz (CH149), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

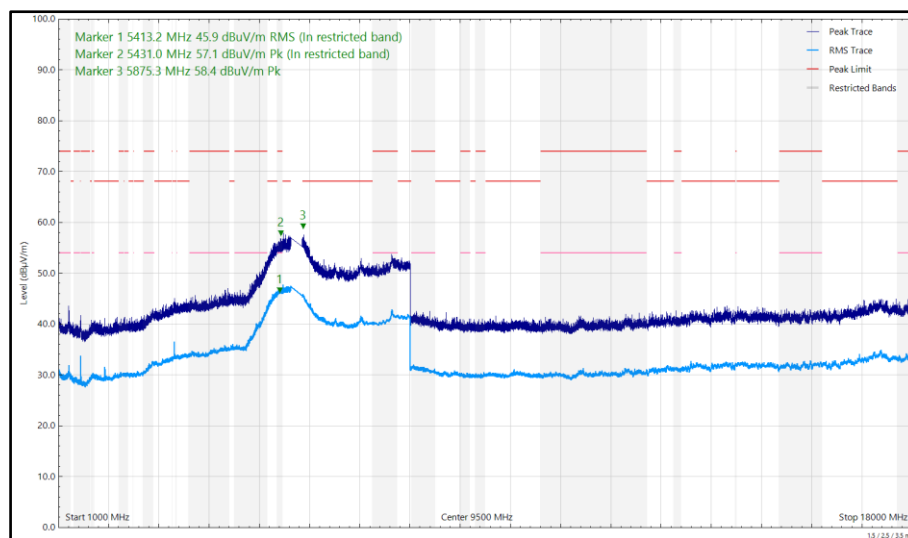


Figure 848 - U-NII-3 - 5745 MHz (CH149), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical





Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
30.091	29.65	40.00	-10.35	Q-Peak	129	123	Horizontal
30.208	32.43	40.00	-7.57	Q-Peak	350	120	Vertical
67.236	20.90	40.00	-19.10	Q-Peak	196	395	Vertical
108.099	21.98	43.50	-21.52	Q-Peak	181	280	Horizontal
153.845	20.24	43.50	-23.26	Q-Peak	142	356	Vertical
154.724	20.41	43.50	-23.09	Q-Peak	305	322	Horizontal
5414.990	57.00	74.00	-17.00	Peak	1	266	Vertical
5427.372	37.54	54.00	-16.46	RMS	54	333	Horizontal
5457.276	45.28	54.00	-8.72	RMS	4	265	Vertical
5472.357	49.47	68.20	-18.73	Peak	271	390	Horizontal
5700.448	59.55	68.20	-8.65	Peak	0	293	Vertical
6015.403	56.45	68.20	-11.75	Peak	356	300	Vertical
6102.548	50.85	68.20	-17.35	Peak	44	392	Horizontal

Table 1668 - U-NII-3 - 5825 MHz (CH165), HT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

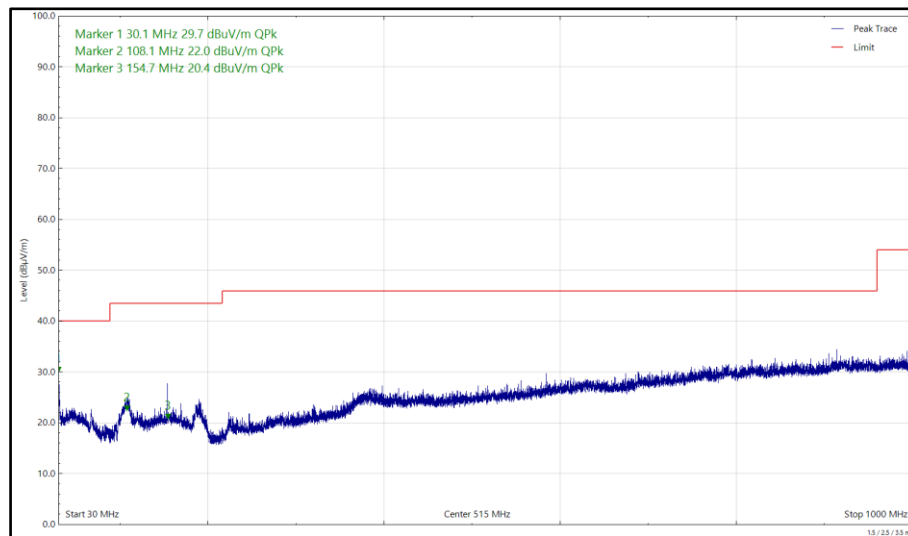


Figure 849 - U-NII-3 - 5825 MHz (CH165), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)