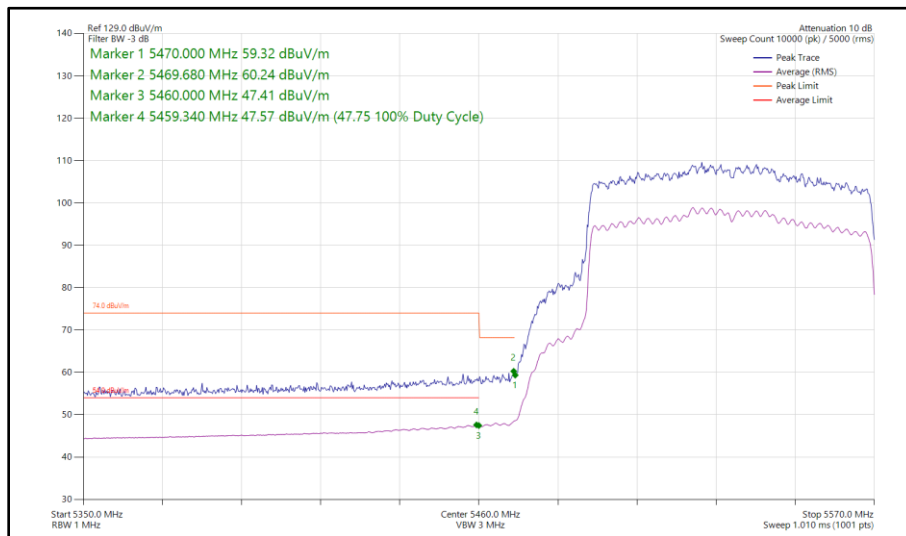
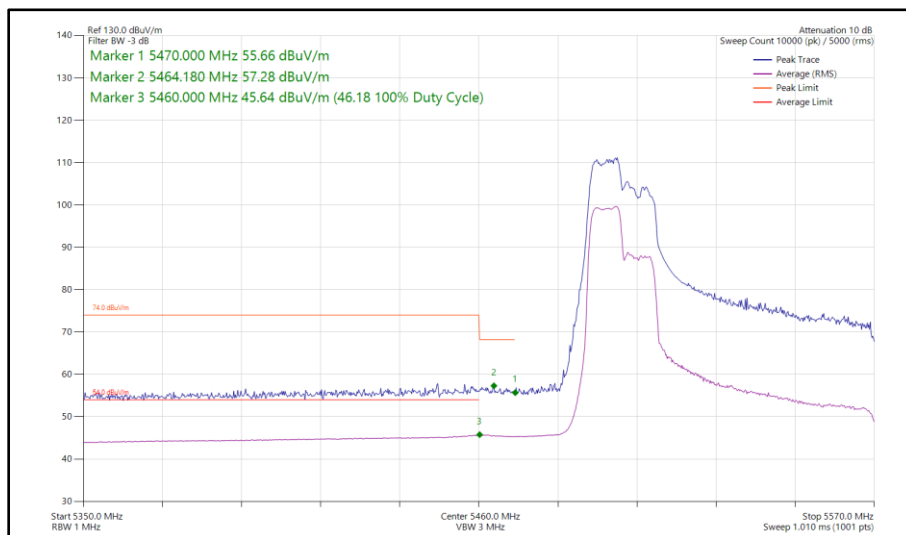




**Figure 512 - 802.11ax HE80, SU, CDD, Core 0 - Core 1 - 5530 MHz
Band Edge Frequency 5470 MHz**



**Figure 513 - 802.11ax HE80, RU 106-53, CDD, Core 0 - Core 1 - 5530 MHz
Band Edge Frequency 5470 MHz**

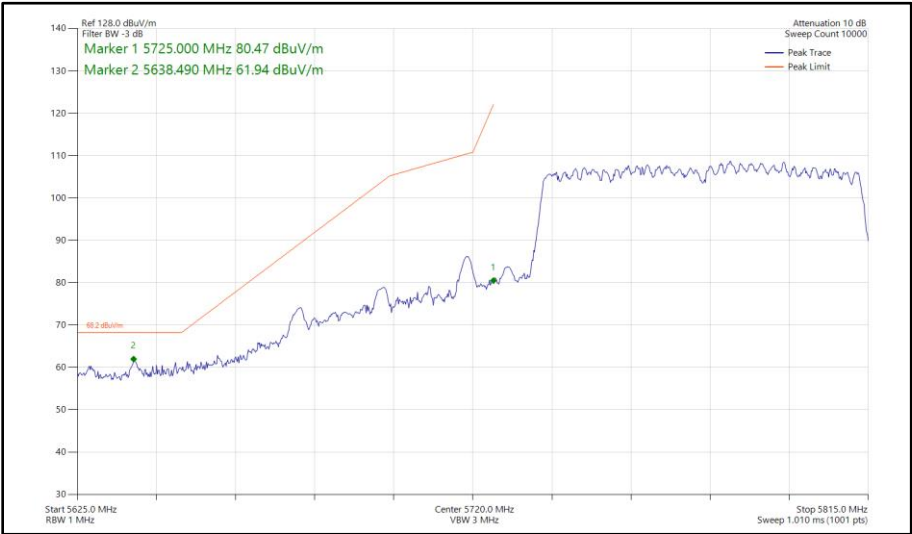


Figure 514 - 802.11ac VHT80, CDD, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5725 MHz

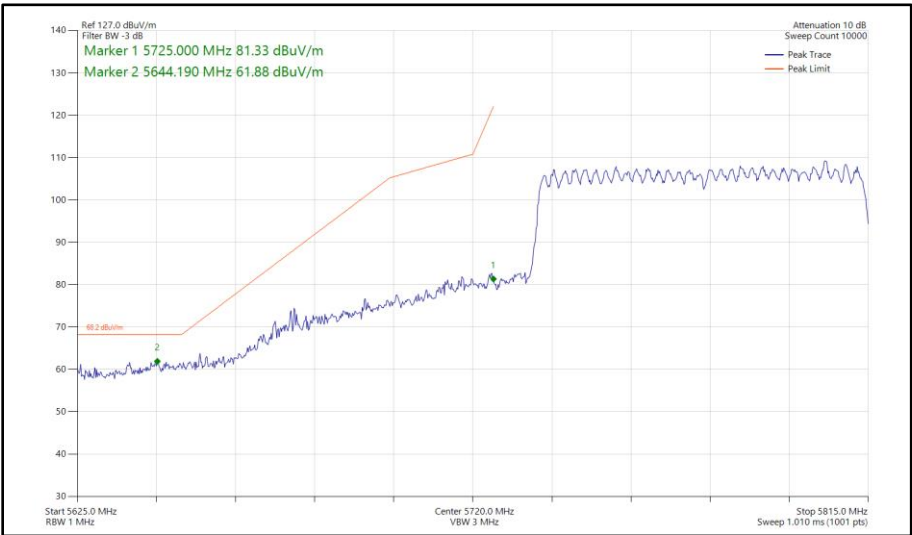


Figure 515 - 802.11ax HE80, SU, CDD, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5725 MHz

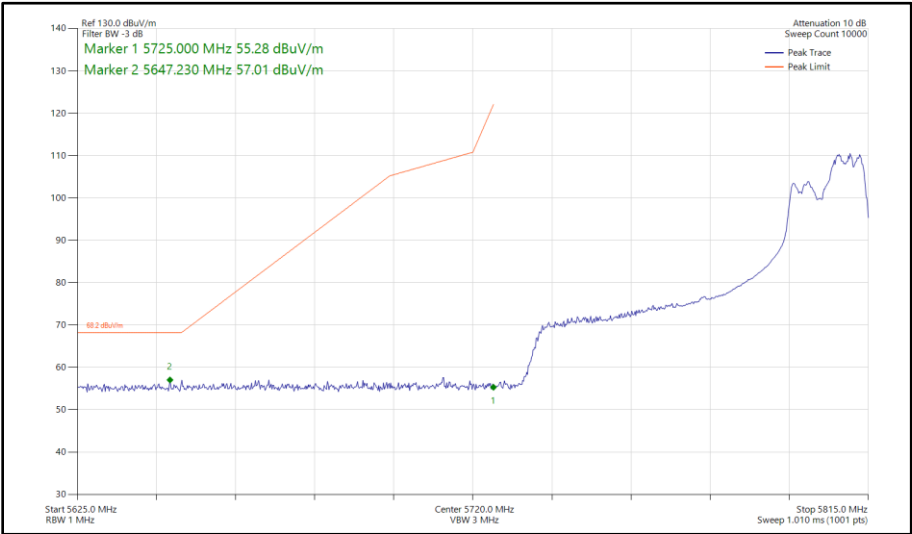


Figure 516 - 802.11ax HE80, RU 106-60, CDD, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5725 MHz

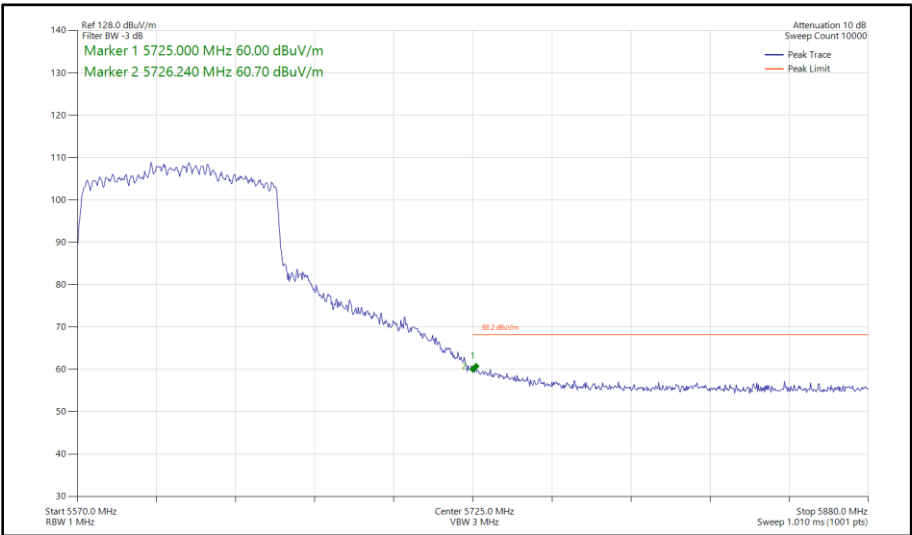


Figure 517 - 802.11ac VHT80, CDD, Core 0 - Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz

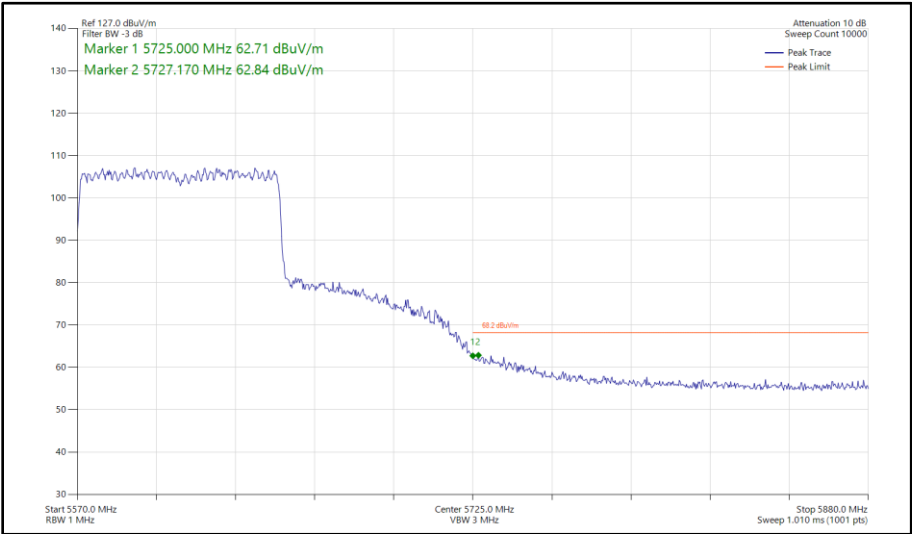


Figure 518 - 802.11ax HE80, SU, CDD, Core 0 - Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz

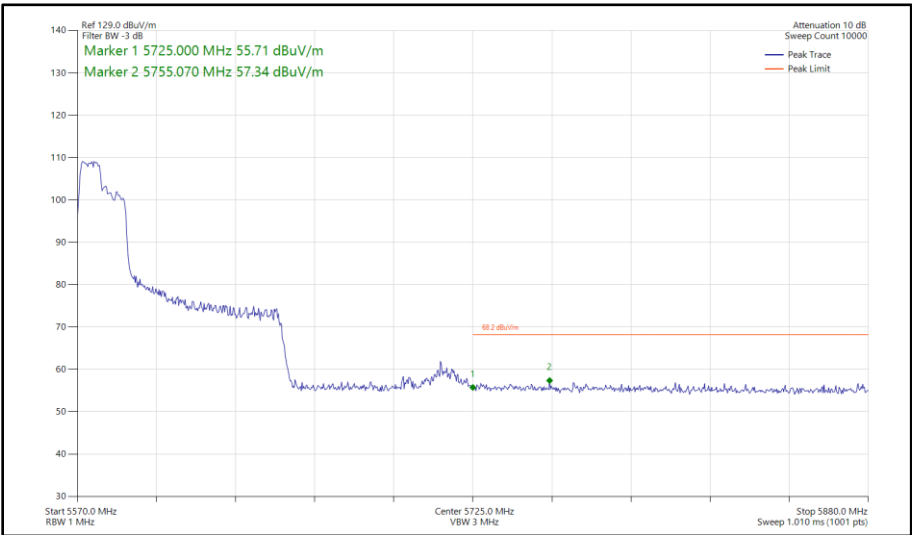


Figure 519 - 802.11ax HE80, RU 106-53, CDD, Core 0 - Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz

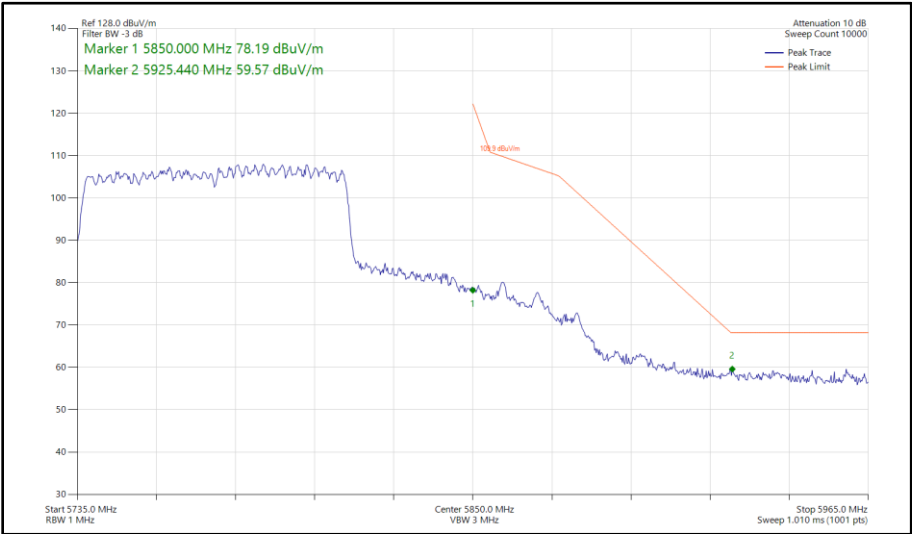


Figure 520 - 802.11ac VHT80, CDD, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5850 MHz

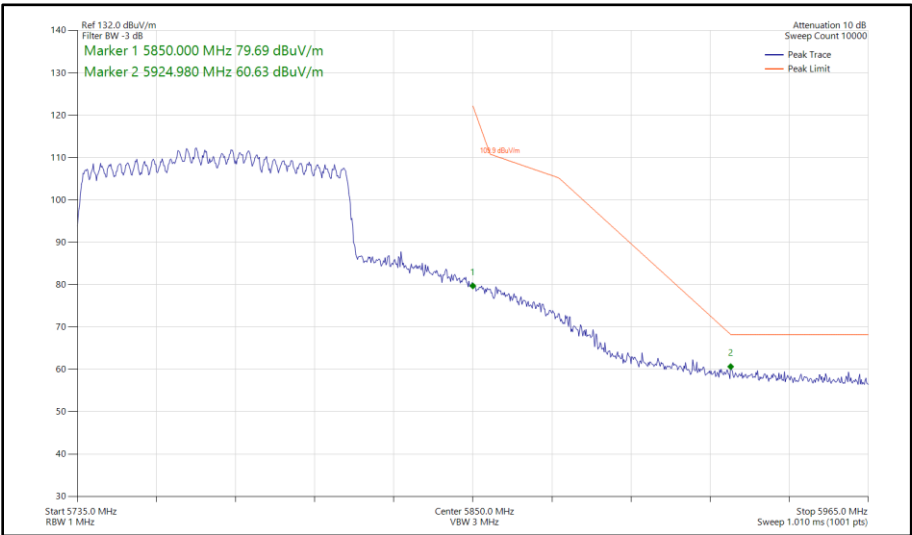
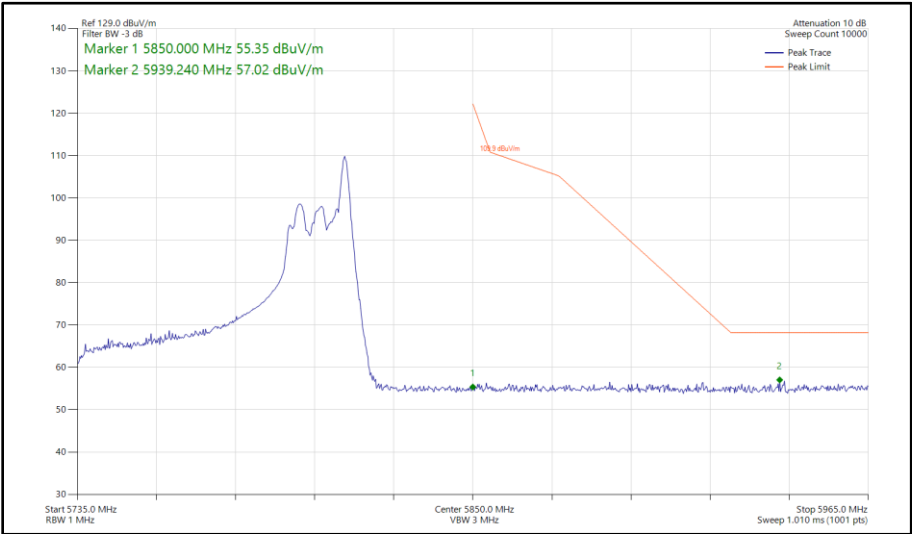


Figure 521 - 802.11ax HE80, SU, CDD, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5850 MHz



**Figure 522 - 802.11ax HE80, RU 26-36, CDD, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5850 MHz**



80 MHz Bandwidth - Core 0 - Core 1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11ac VHT80	MCS 4x2	-	-	5530	5470	58.73
802.11ax HE80	MCS 2x2	SU	-	5530	5470	59.91
802.11ax HE80	MCS 11x2	106	53	5530	5470	57.78
802.11ac VHT80	MCS 2x2	-	-	5775	5725	62.81
802.11ax HE80	MCS 2x2	SU	-	5775	5725	62.70
802.11ax HE80	MCS 11x2	52	37	5775	5725	57.33
802.11ac VHT80	MCS 8x2	-	-	5610	5725	62.39
802.11ax HE80	MCS 11x2	SU	-	5610	5725	60.86
802.11ax HE80	MCS 11x2	106	60	5610	5725	57.05
802.11ac VHT80	MCS 4x2	-	-	5775	5850	61.57
802.11ax HE80	MCS 4x2	SU	-	5775	5850	58.27
802.11ax HE80	MCS 11x2	106	60	5775	5850	57.44

Table 686 - SDM Authorised Band Edge Results

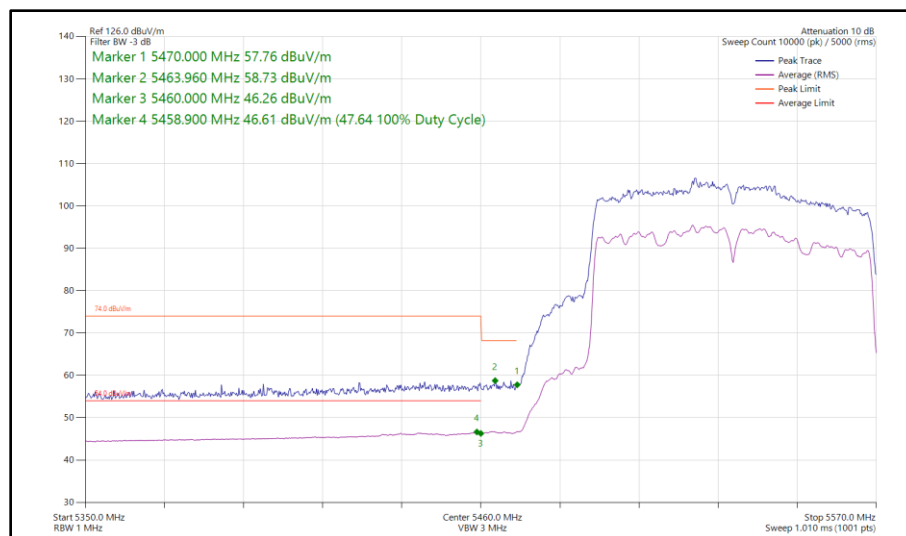
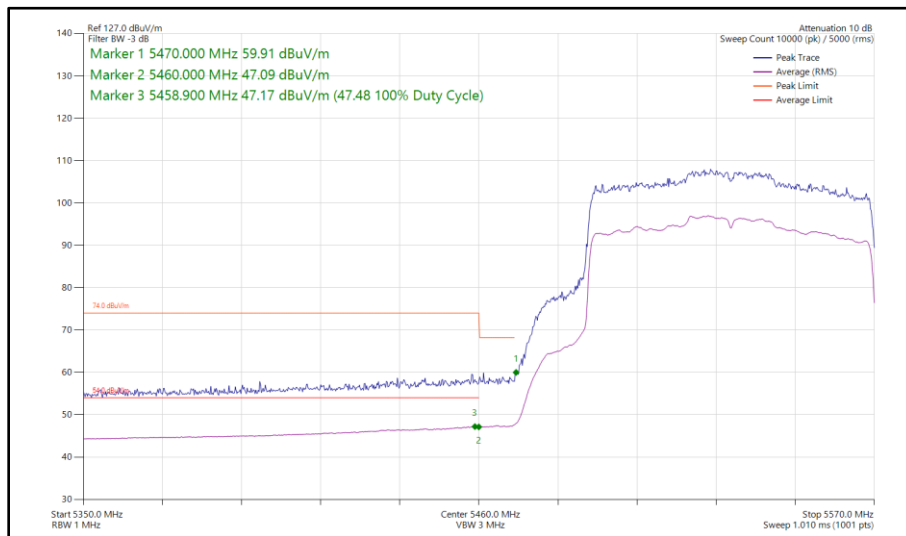
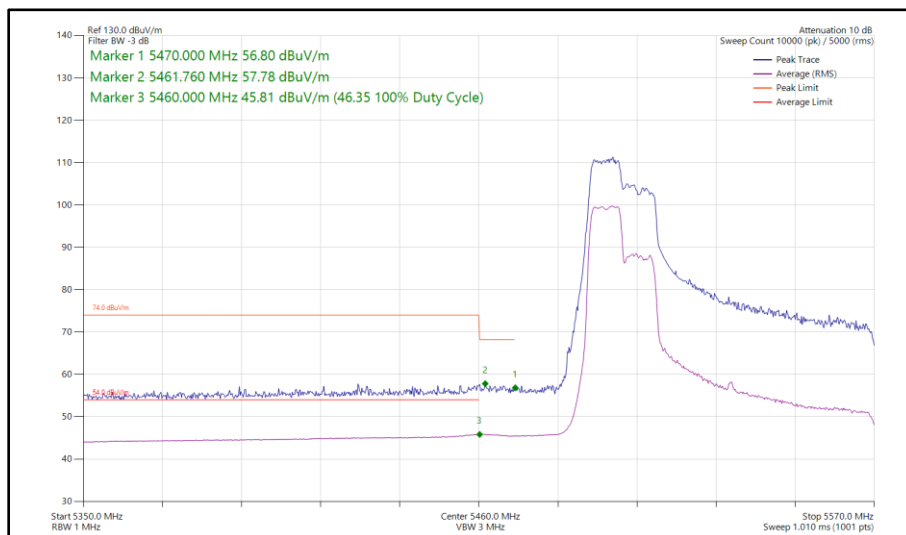


Figure 523 - 802.11ac VHT80, SDM, Core 0 - Core 1 - 5530 MHz
Band Edge Frequency 5470 MHz



**Figure 524 - 802.11ax HE80, SU, SDM, Core 0 - Core 1 - 5530 MHz
Band Edge Frequency 5470 MHz**



**Figure 525 - 802.11ax HE80, RU 106-53, SDM, Core 0 - Core 1 - 5530 MHz
Band Edge Frequency 5470 MHz**

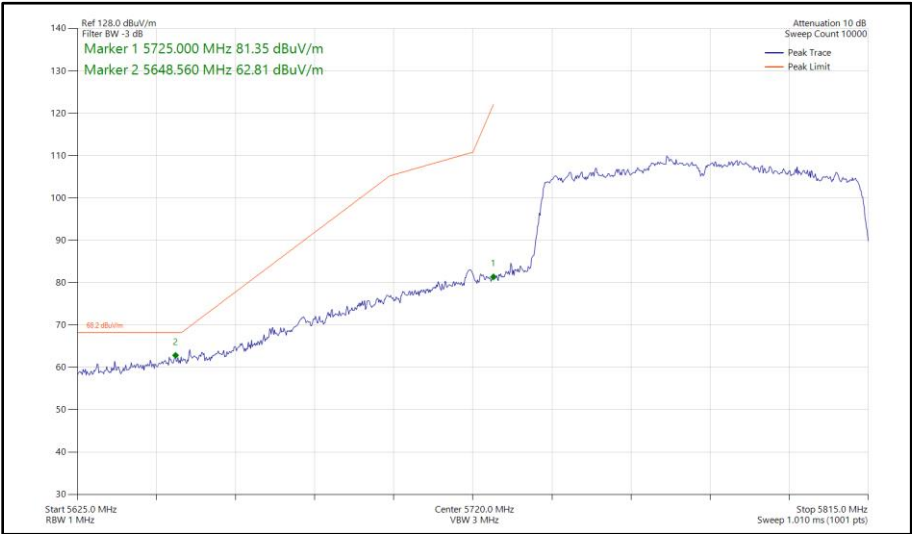


Figure 526 - 802.11ac VHT80, SDM, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5725 MHz

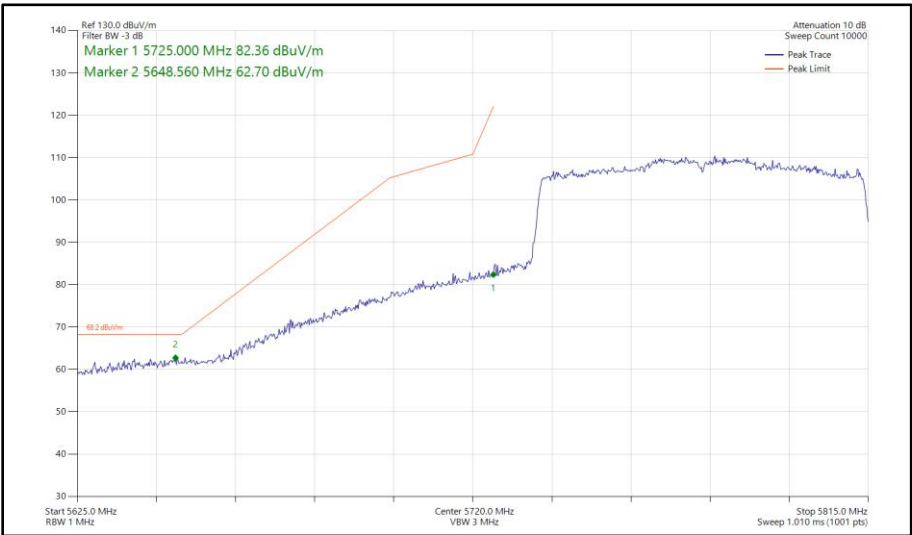


Figure 527 - 802.11ax HE80, SU, SDM, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5725 MHz

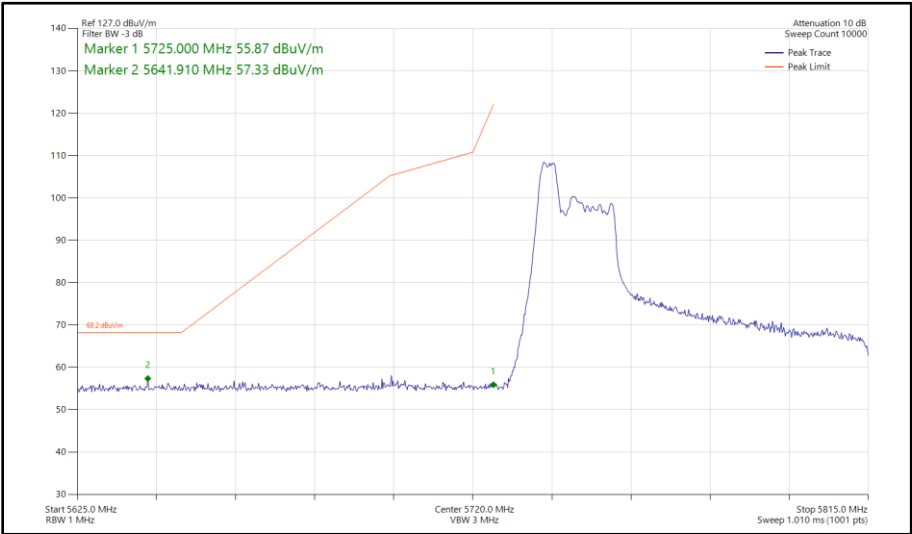


Figure 528 - 802.11ax HE80, RU 52-37, SDM, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5725 MHz

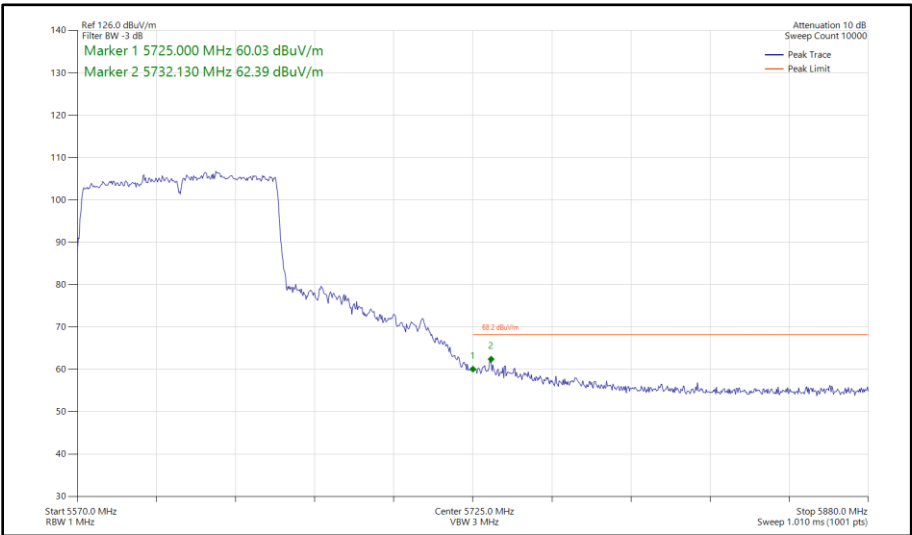


Figure 529 - 802.11ac VHT80, SDM, Core 0 - Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz

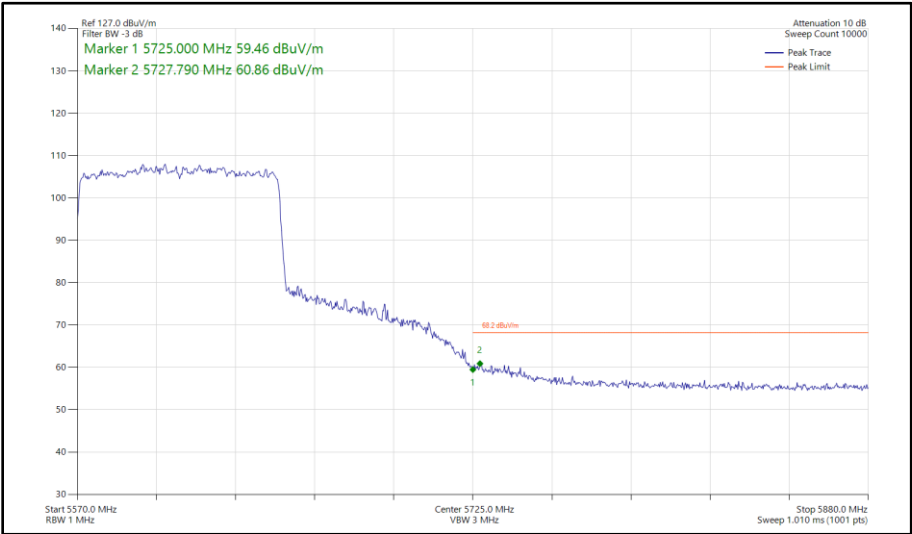


Figure 530 - 802.11ax HE80, SU, SDM, Core 0 - Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz

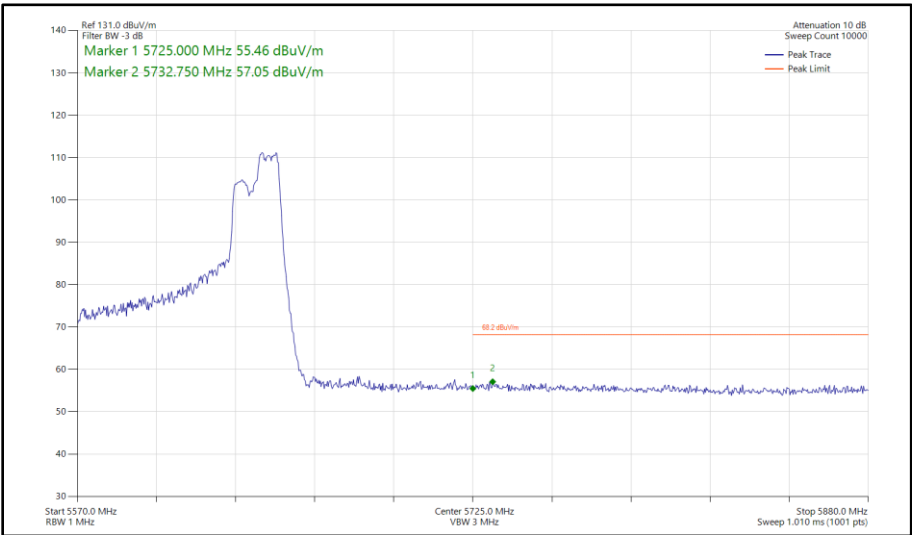


Figure 531 - 802.11ax HE80, RU 106-60, SDM, Core 0 - Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz

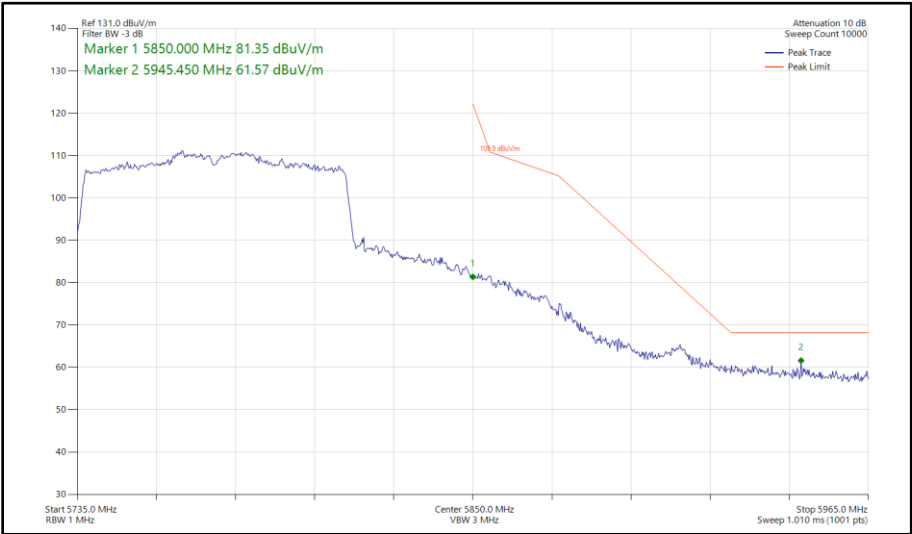


Figure 532 - 802.11ac VHT80, SDM, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5850 MHz

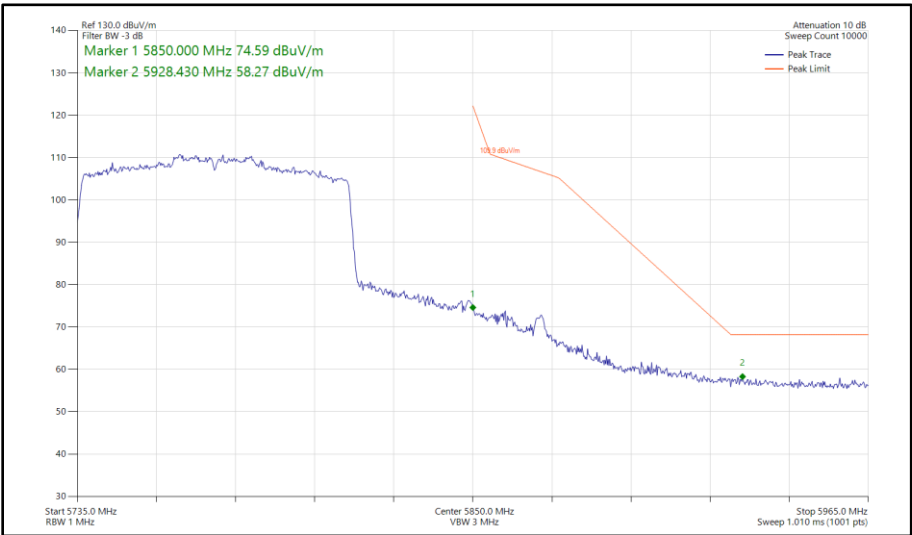


Figure 533 - 802.11ax HE80, SU, SDM, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5850 MHz

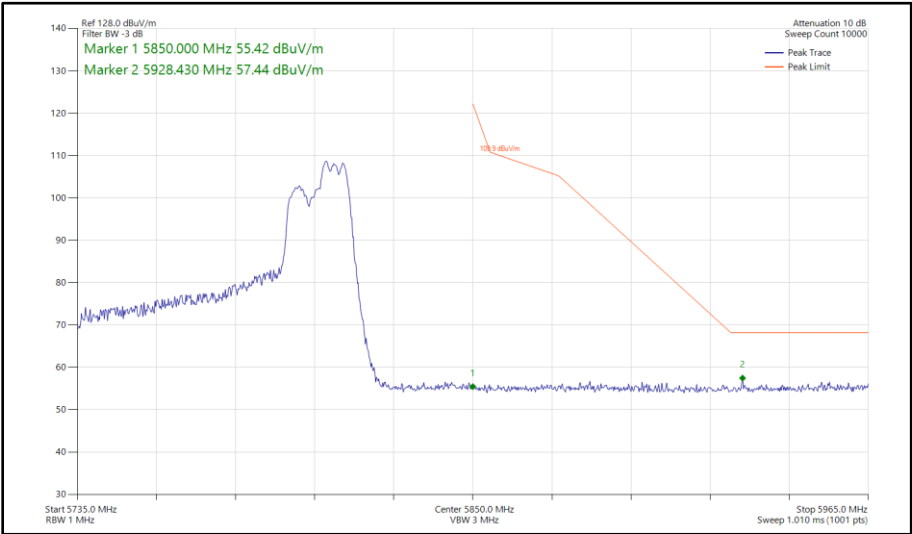


Figure 534 - 802.11ax HE80, RU 106-60, SDM, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5850 MHz

80 MHz Bandwidth - Core 0 - Core 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	59.48
802.11ac VHT80	MCS 4x1	-	-	5775	5725	59.06
802.11ac VHT80	MCS 8x1	-	-	5610	5725	61.14
802.11ac VHT80	MCS 8x1	-	-	5775	5850	59.86

Table 687 - TxBF Authorised Band Edge Results

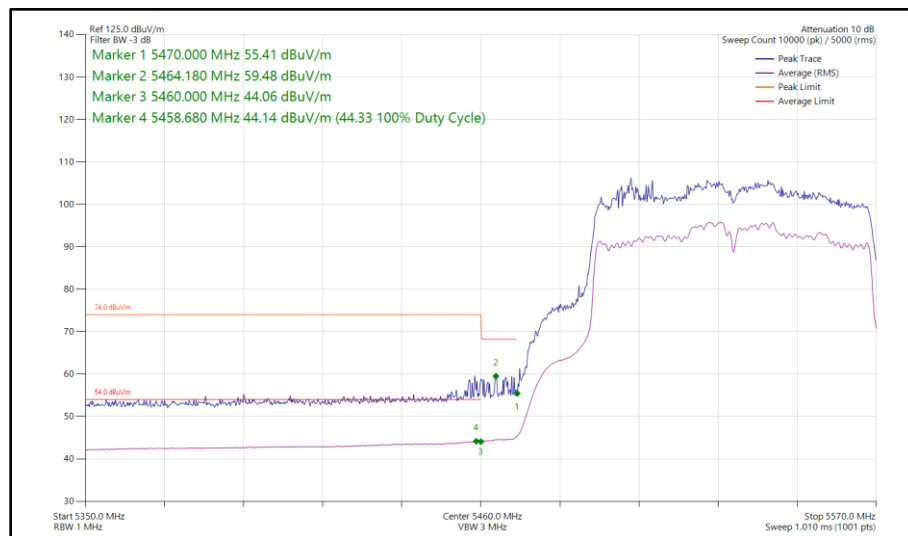


Figure 535 - 802.11ac VHT80, TxBF, Core 0 - Core 1 - 5530 MHz
Band Edge Frequency 5470 MHz

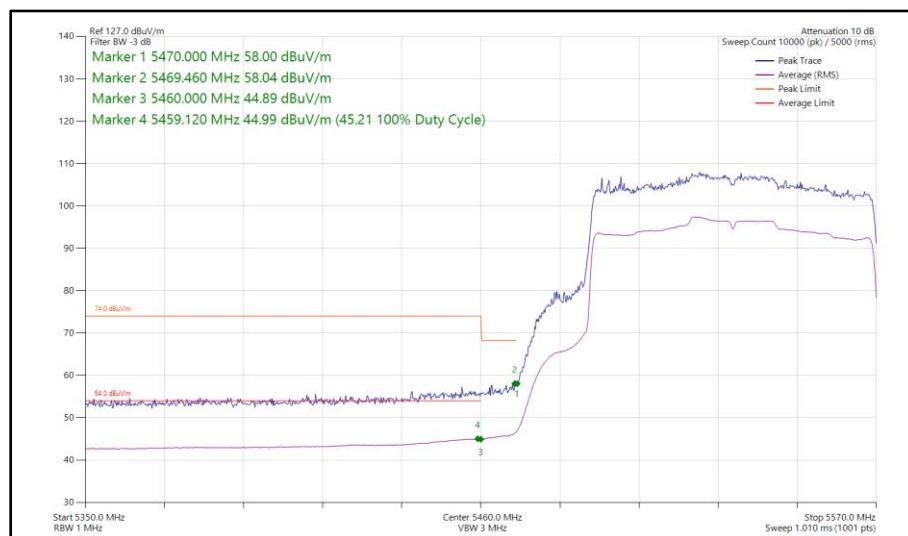


Figure 536 - 802.11ax HE80, SU, TxBF, Core 0 - Core 1 - 5530 MHz
Band Edge Frequency 5470 MHz

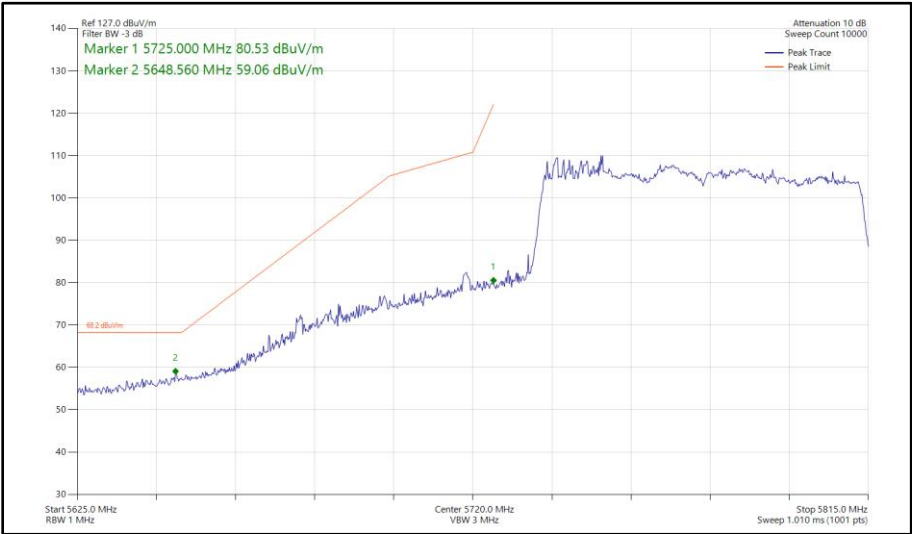


Figure 537 - 802.11ac VHT80, TxBF, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5725 MHz

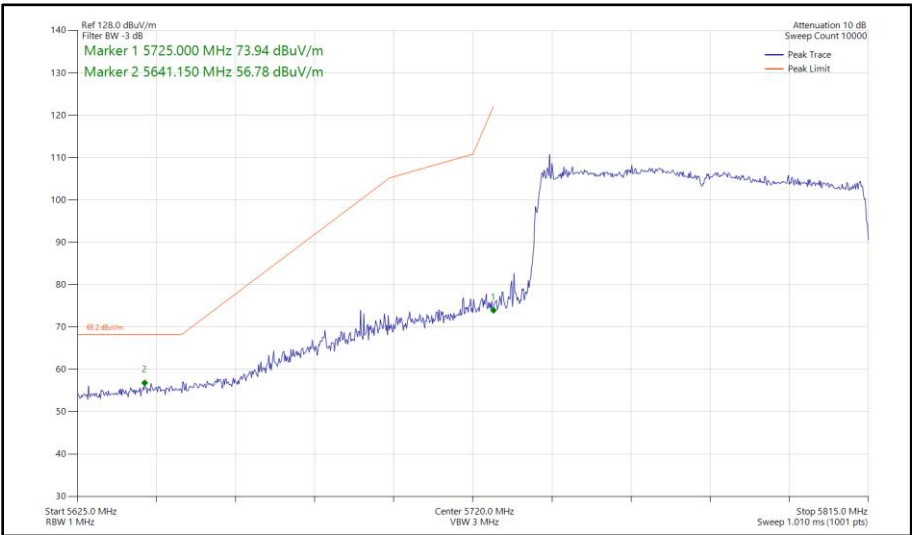
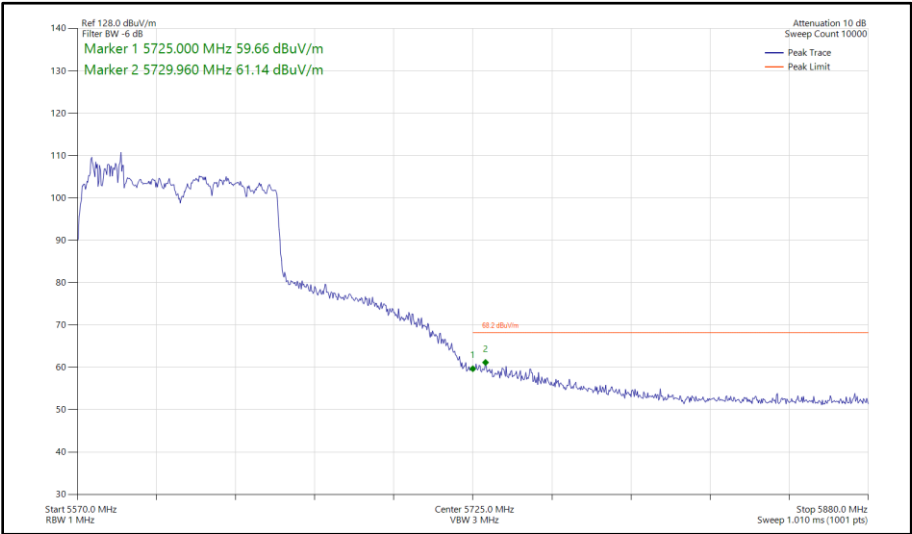
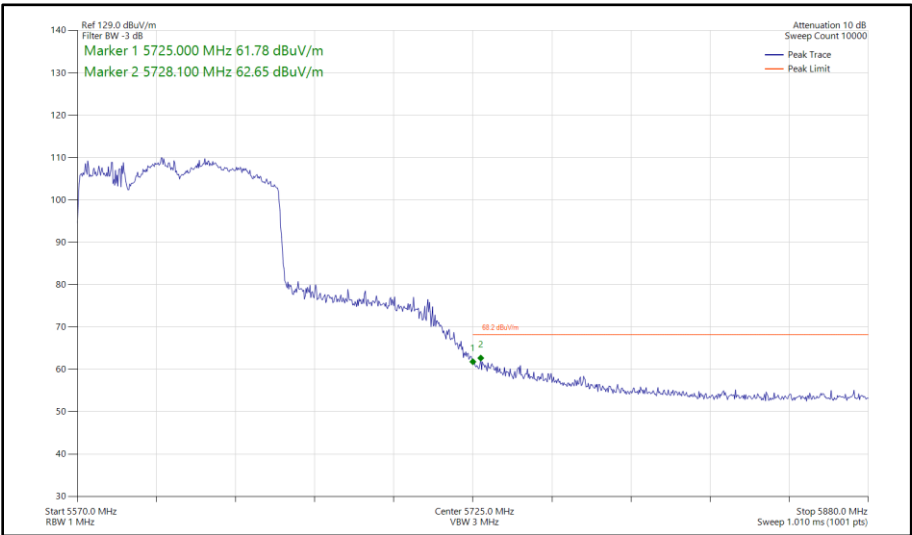


Figure 538 - 802.11ax HE80, SU, TxBF, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5725 MHz



**Figure 539 - 802.11ac VHT80, TxBF, Core 0 - Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz**



**Figure 540 - 802.11ax HE80, SU, TxBF, Core 0 - Core 1 - 5610 MHz
Band Edge Frequency 5725 MHz**

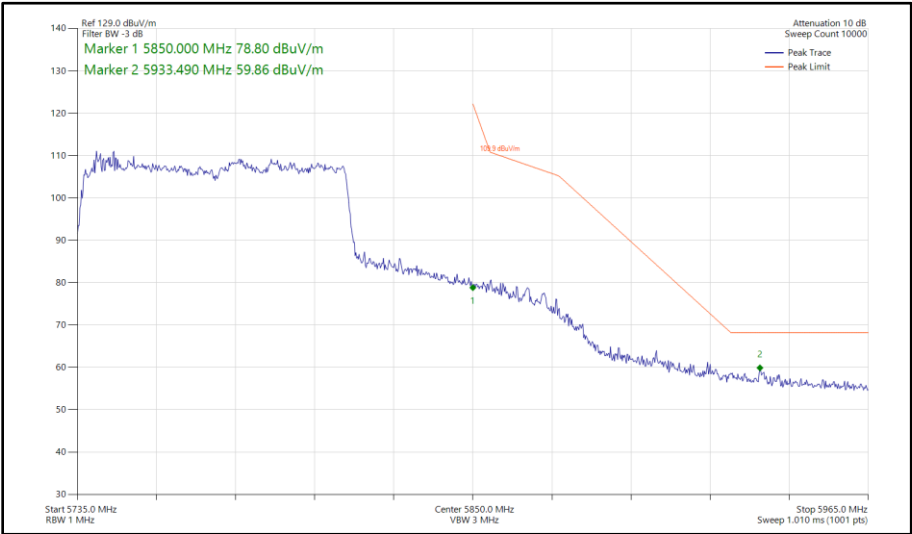


Figure 541 - 802.11ac VHT80, TxBF, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5850 MHz

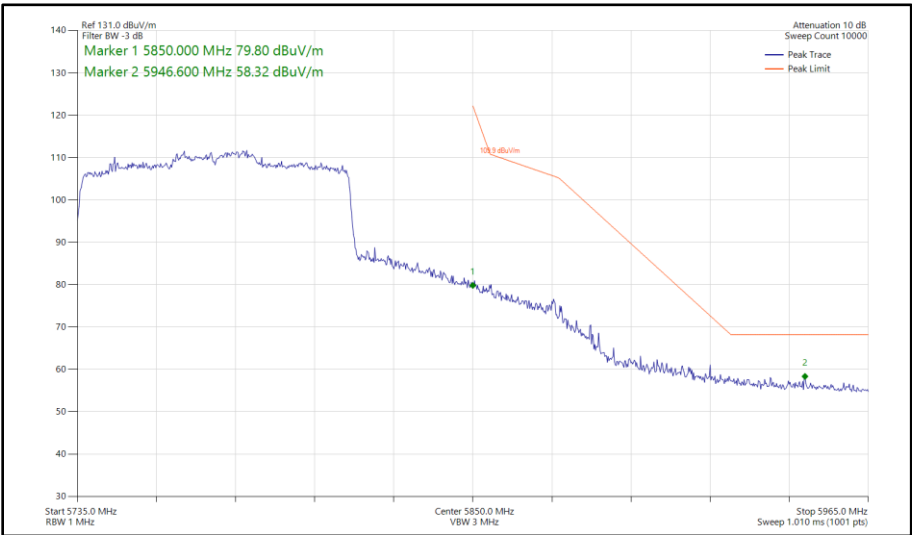
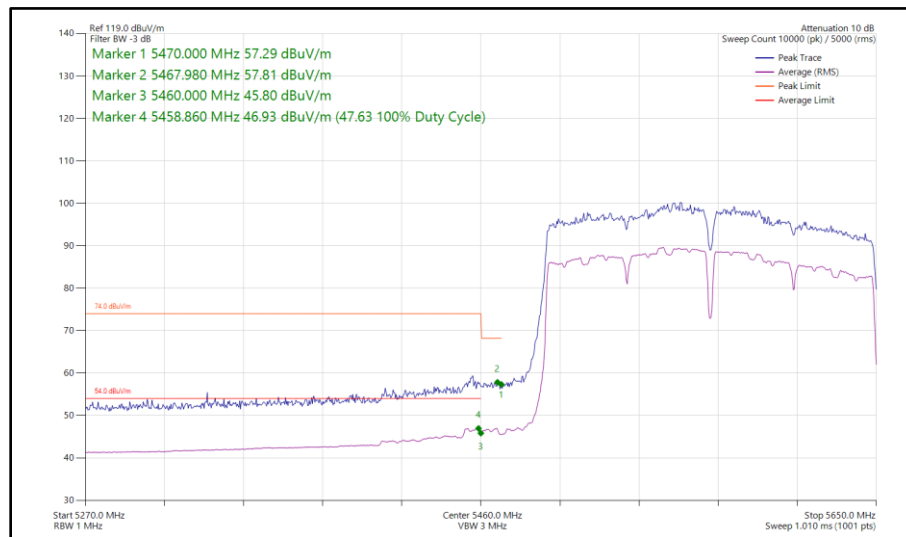


Figure 542 - 802.11ax HE80, SU, TxBF, Core 0 - Core 1 - 5775 MHz
Band Edge Frequency 5850 MHz

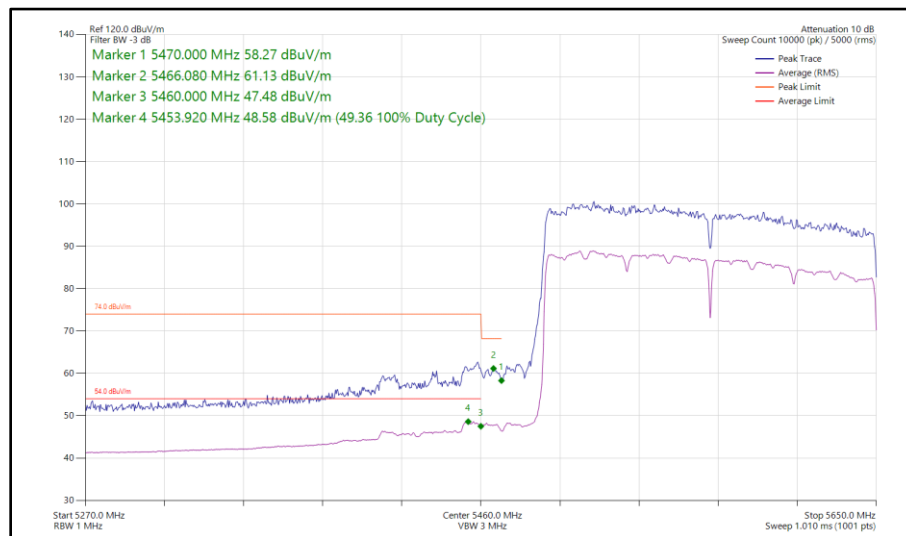
160 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11ac VHT160	MCS 2x1	-	-	5570	5470	57.81
802.11ax HE160	MCS 11x1	SU	-	5570	5470	61.13
802.11ax HE160	MCS 11x1	106	60S	5570	5470	55.22
802.11ac VHT160	MCS 2x1	-	-	5570	5725	57.72
802.11ax HE160	MCS 11x1	SU	-	5570	5725	59.20
802.11ax HE160	MCS 11x1	106	60S	5570	5725	55.50

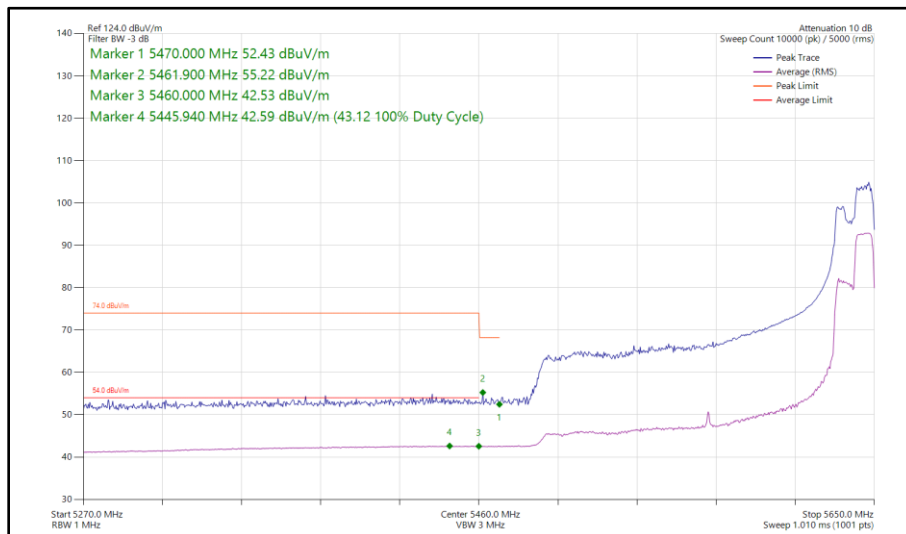
Table 688 - SISO Authorised Band Edge Results



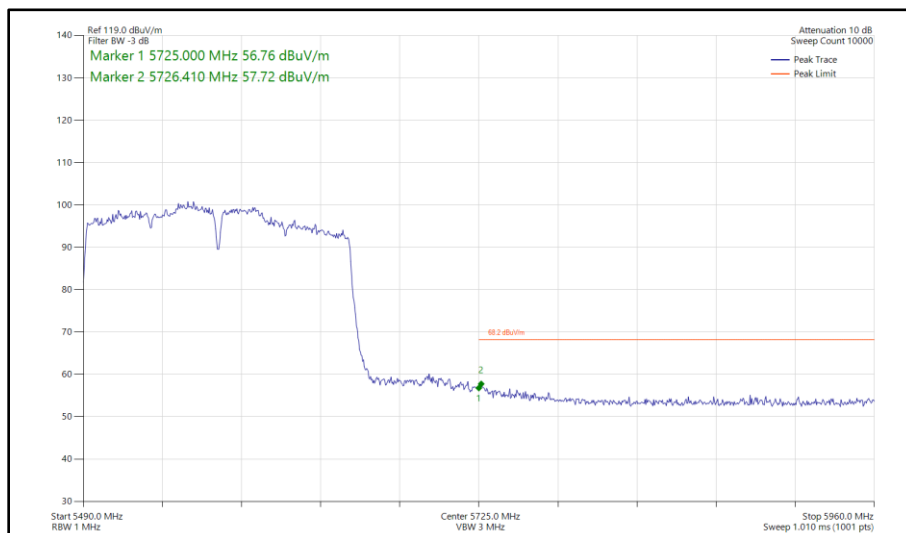
**Figure 543 - 802.11ac VHT160, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 544 - 802.11ax HE160, SU, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 545 - 802.11ax HE160, RU 106-60S, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 546 - 802.11ac VHT160, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5725 MHz**

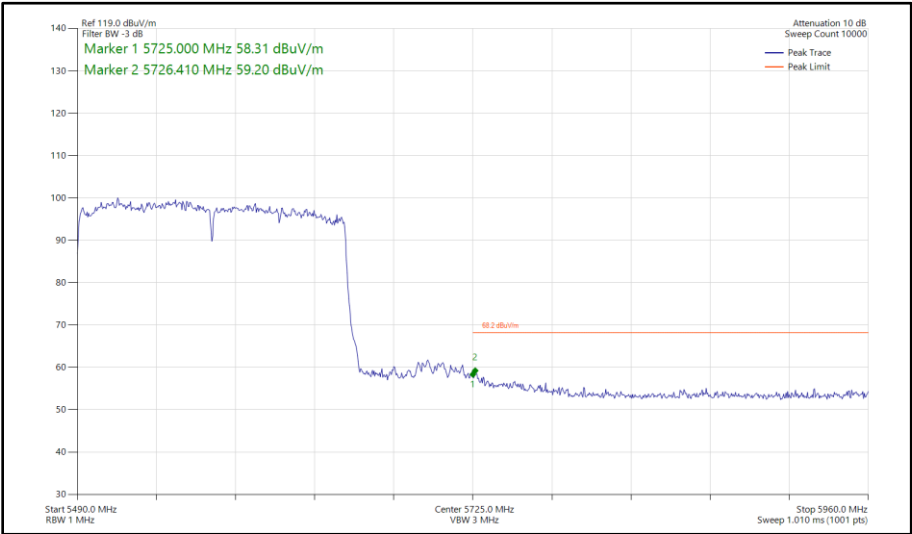


Figure 547 - 802.11ax HE160, SU, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5725 MHz

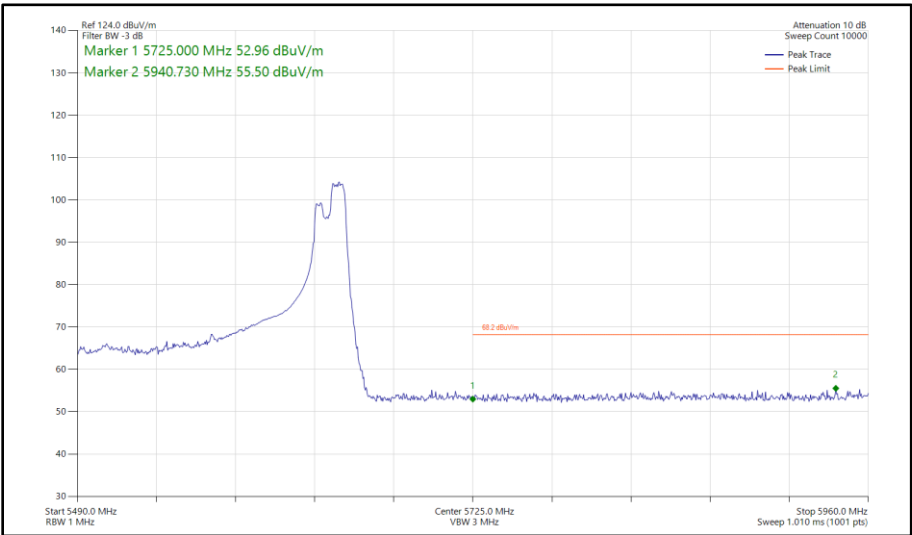
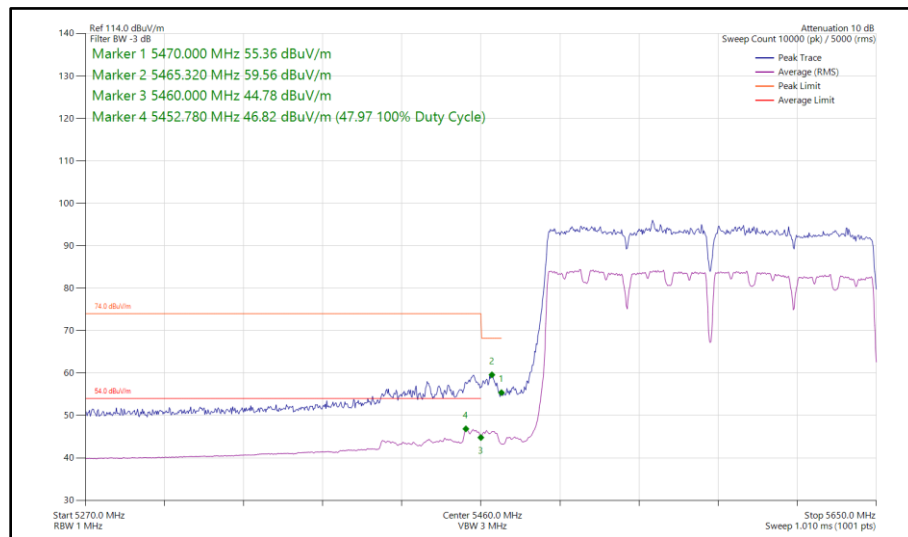


Figure 548 - 802.11ax HE160, RU 106-60S, SISO, Core 0 - 5570 MHz
Band Edge Frequency 5725 MHz

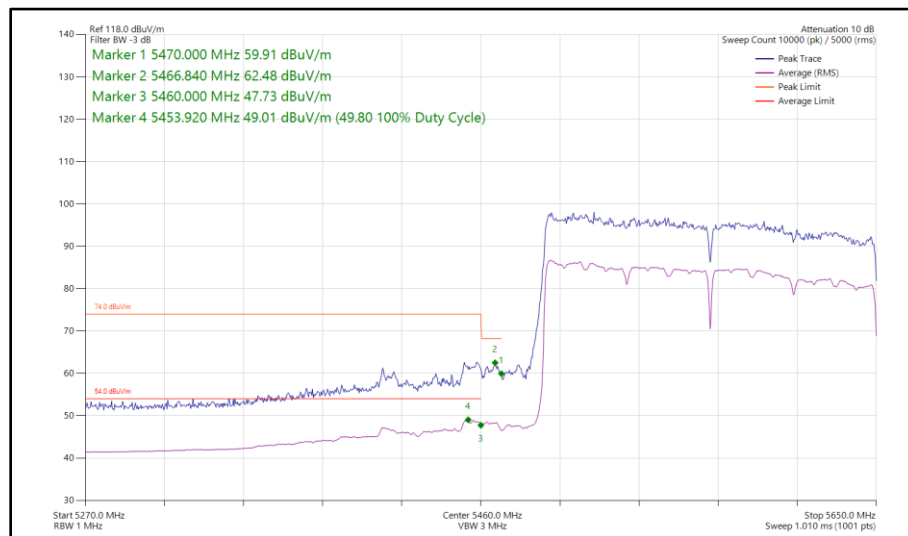
160 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11ac VHT160	MCS 7x1	-	-	5570	5470	59.56
802.11ax HE160	MCS 11x1	SU	-	5570	5470	62.48
802.11ax HE160	MCS 11x1	52	37P	5570	5470	54.34
802.11ac VHT160	MCS 2x1	-	-	5570	5725	60.19
802.11ax HE160	MCS 11x1	SU	-	5570	5725	60.69
802.11ax HE160	MCS 11x1	106	60S	5570	5725	55.29

Table 689 - SISO Authorised Band Edge Results



**Figure 549 - 802.11ac VHT160, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 550 - 802.11ax HE160, SU, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**

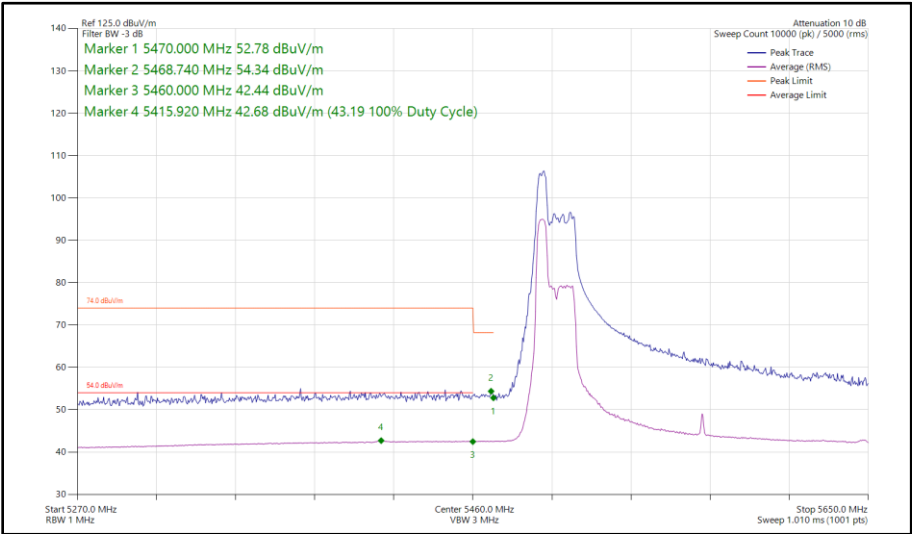


Figure 551 - 802.11ax HE160, RU 52-37P, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz

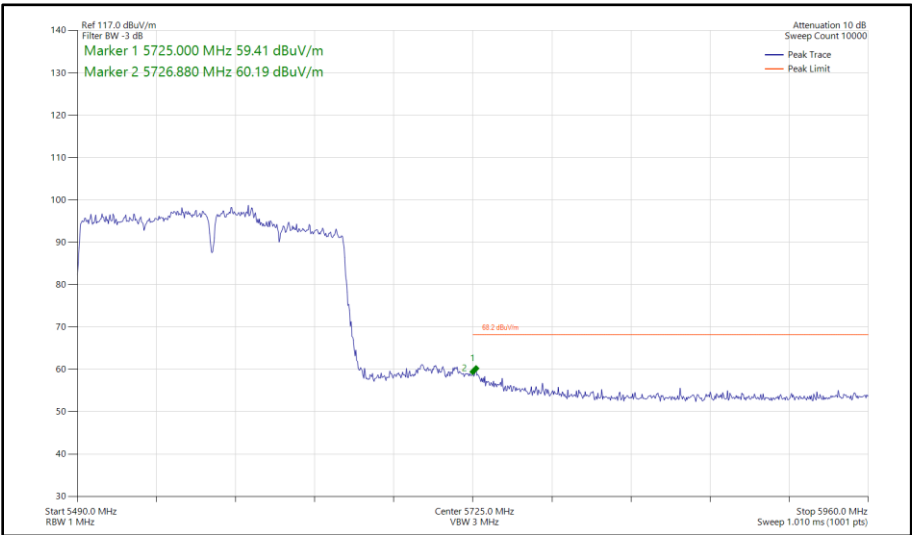


Figure 552 - 802.11ac VHT160, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

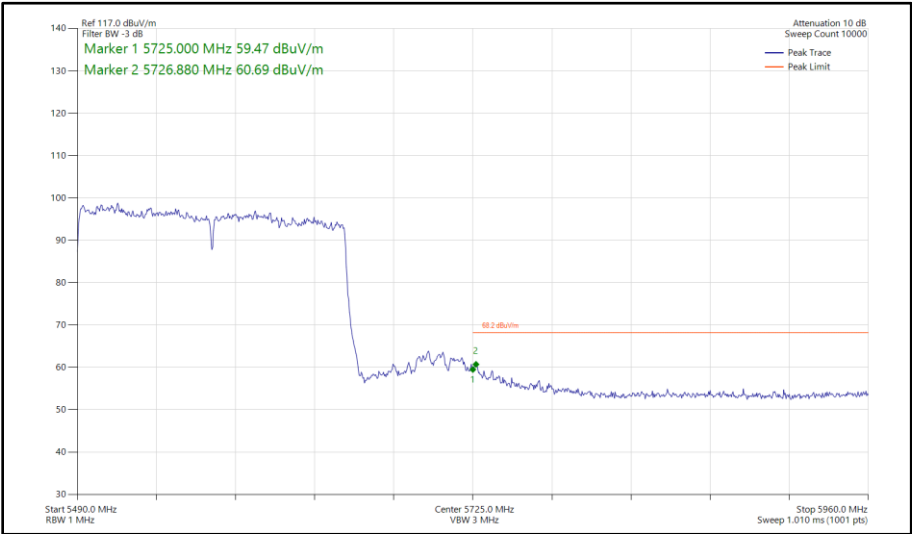


Figure 553 - 802.11ax HE160, SU, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

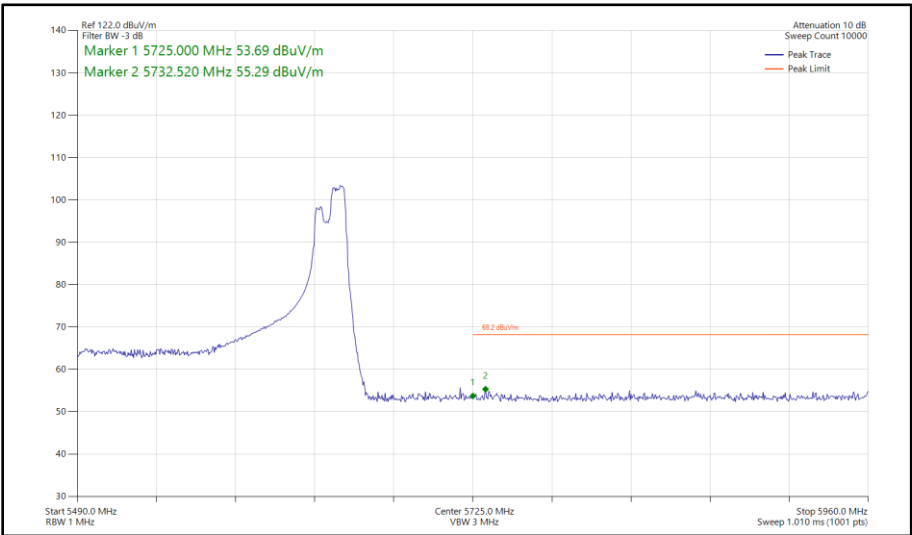
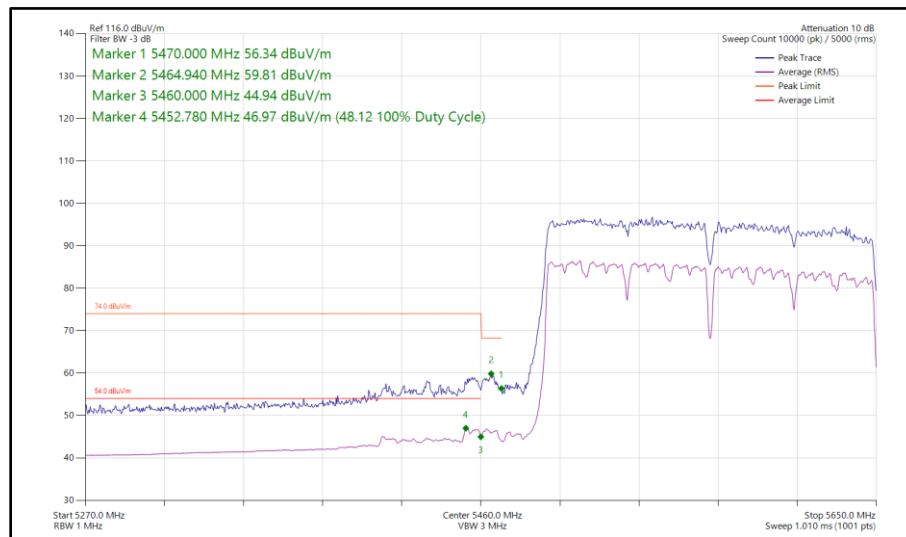


Figure 554 - 802.11ax HE160, RU 106-60S, SISO, Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

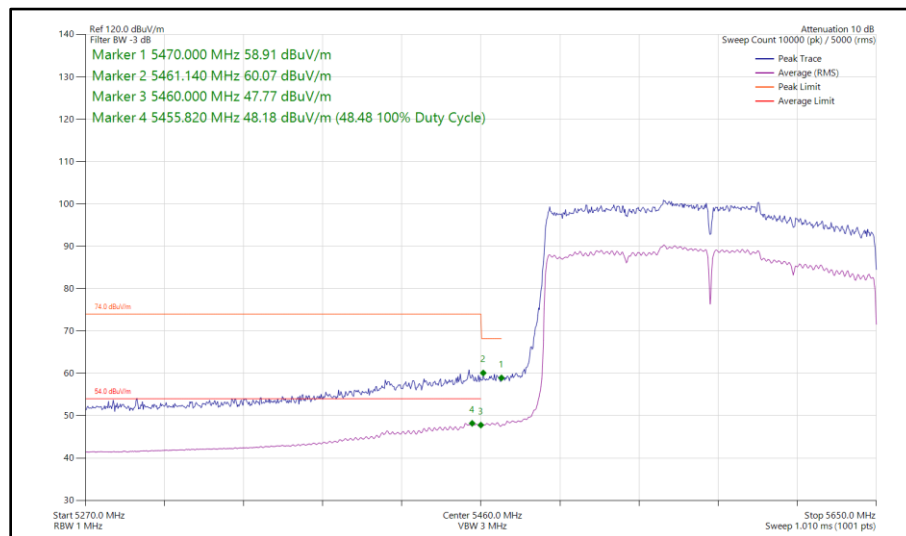
160 MHz Bandwidth - Core 0 - Core 1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11ac VHT160	MCS 7x1	-	-	5570	5470	59.81
802.11ax HE160	MCS 2x1	SU	-	5570	5470	60.07
802.11ax HE160	MCS 11x1	52	52S	5570	5470	54.26
802.11ac VHT160	MCS 2x1	-	-	5570	5725	57.19
802.11ax HE160	MCS 11x1	SU	-	5570	5725	58.53
802.11ax HE160	MCS 11x1	106	53P	5570	5725	55.40

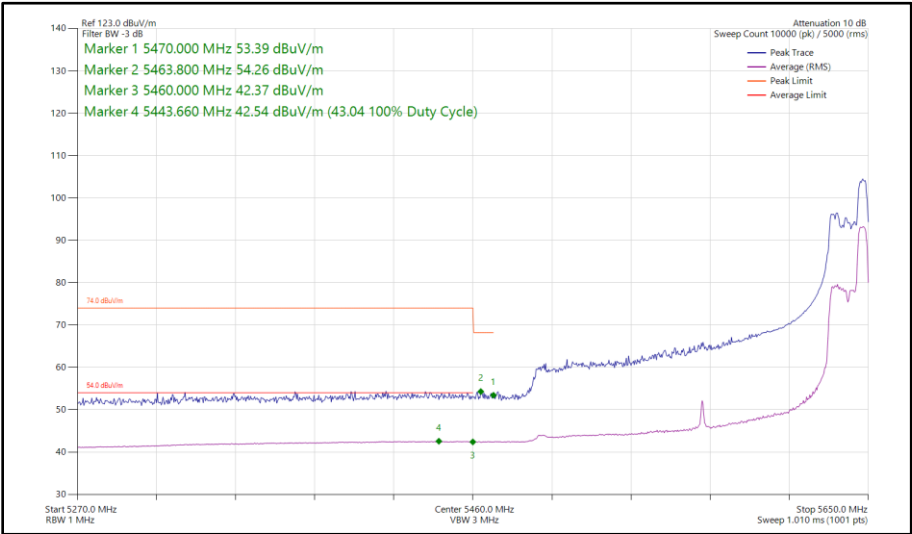
Table 690 - CDD Authorised Band Edge Results



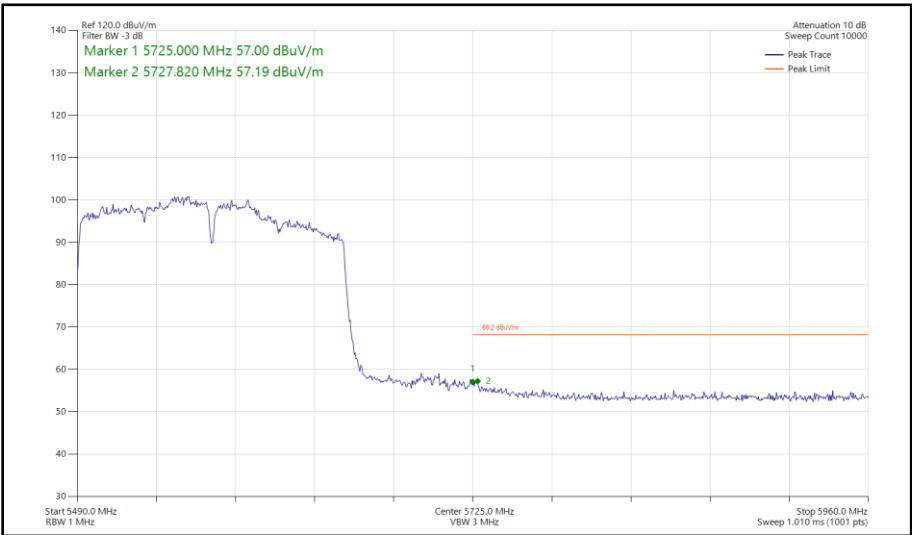
**Figure 555 - 802.11ac VHT160, CDD, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 556 - 802.11ax HE160, SU, CDD, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 557 - 802.11ax HE160, RU 52-52S, CDD, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 558 - 802.11ac VHT160, CDD, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz**

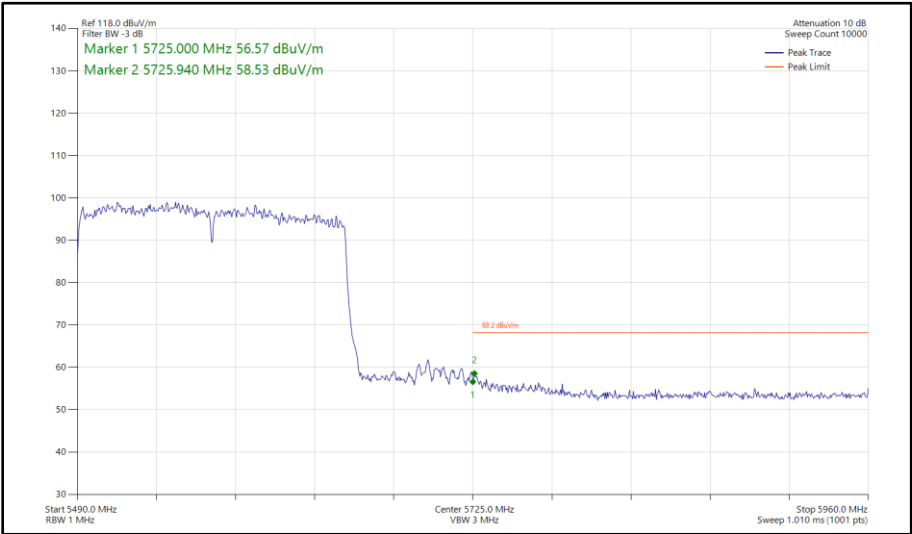


Figure 559 - 802.11ax HE160, SU, CDD, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

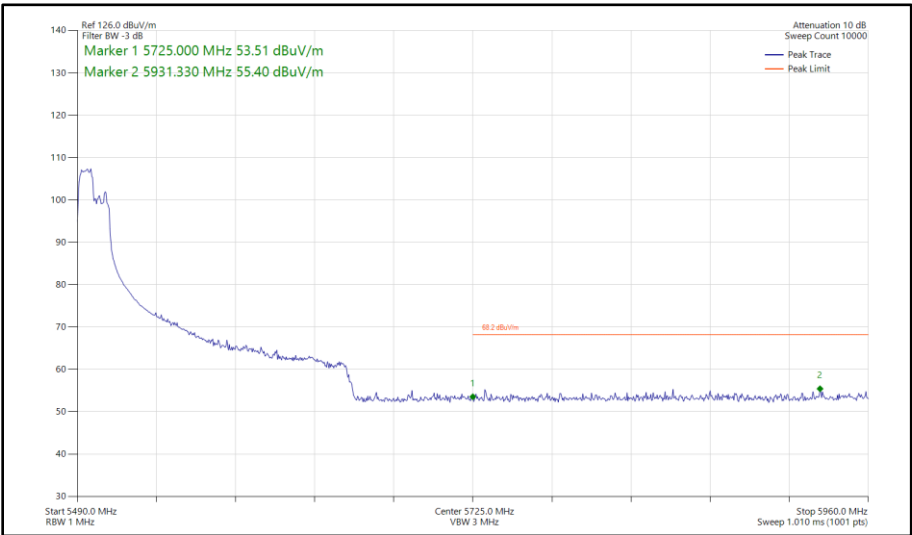
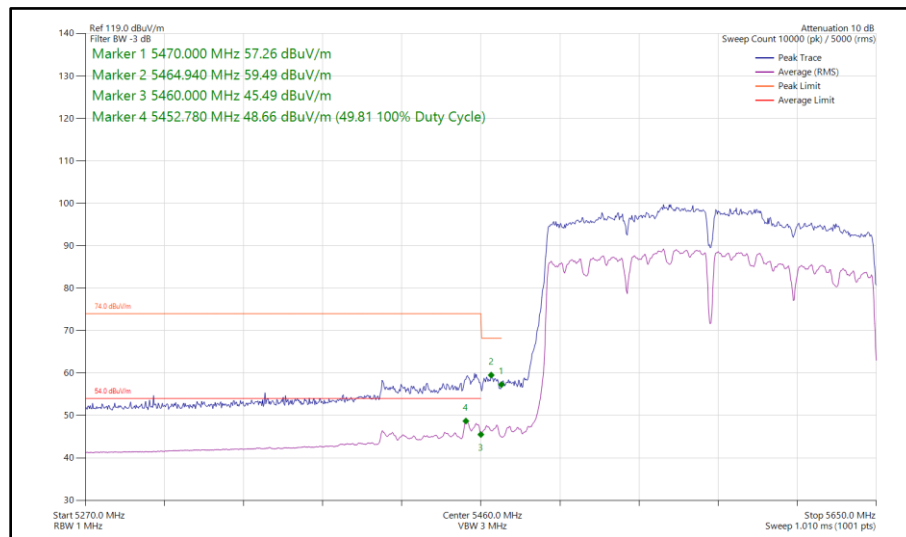


Figure 560 - 802.11ax HE160, RU 106-53P, CDD, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

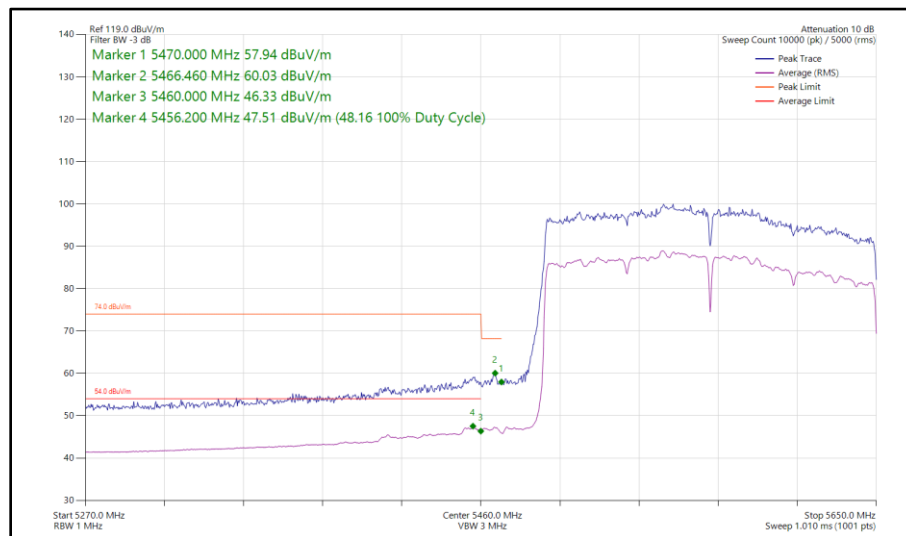
160 MHz Bandwidth - Core 0 - Core 1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
802.11ac VHT160	MCS 4x2	-	-	5570	5470	59.49
802.11ax HE160	MCS 4x2	SU	-	5570	5470	60.03
802.11ax HE160	MCS 11x2	106	53P	5570	5470	54.64
802.11ac VHT160	MCS 7x2	-	-	5570	5725	60.24
802.11ax HE160	MCS 2x2	SU	-	5570	5725	59.26
802.11ax HE160	MCS 11x2	52	37P	5570	5725	55.21

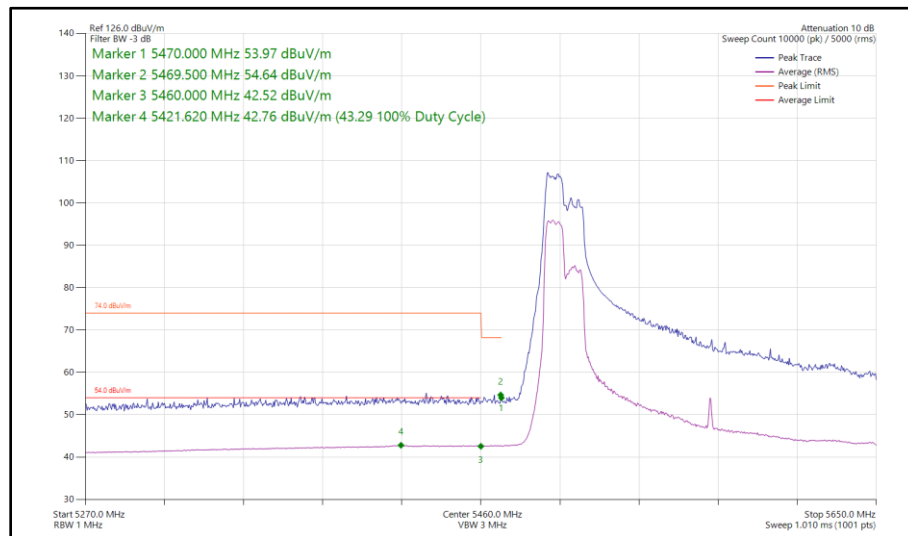
Table 691 - SDM Authorised Band Edge Results



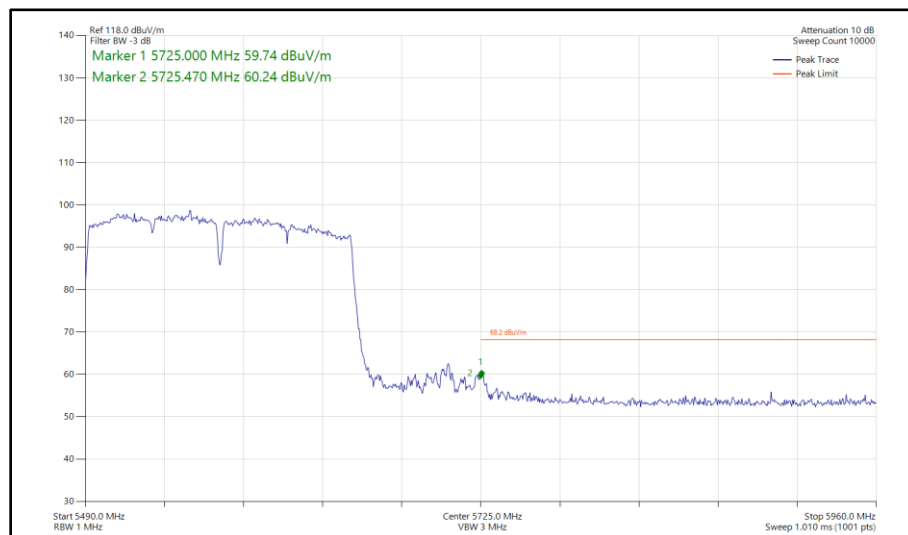
**Figure 561 - 802.11ac VHT160, SDM, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 562 - 802.11ax HE160, SU, SDM, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 563 - 802.11ax HE160, RU 106-53P, SDM, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5470 MHz**



**Figure 564 - 802.11ac VHT160, SDM, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz**

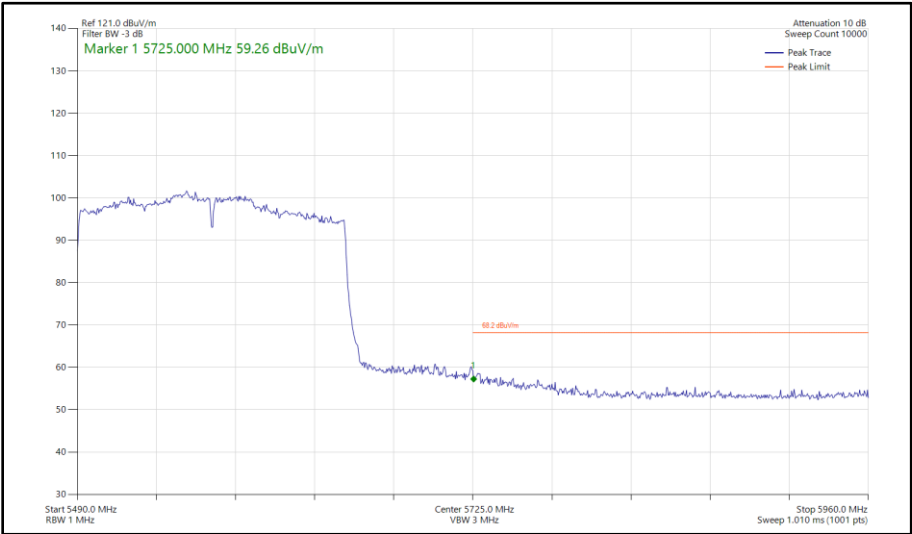


Figure 565 - 802.11ax HE160, SU, SDM, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz

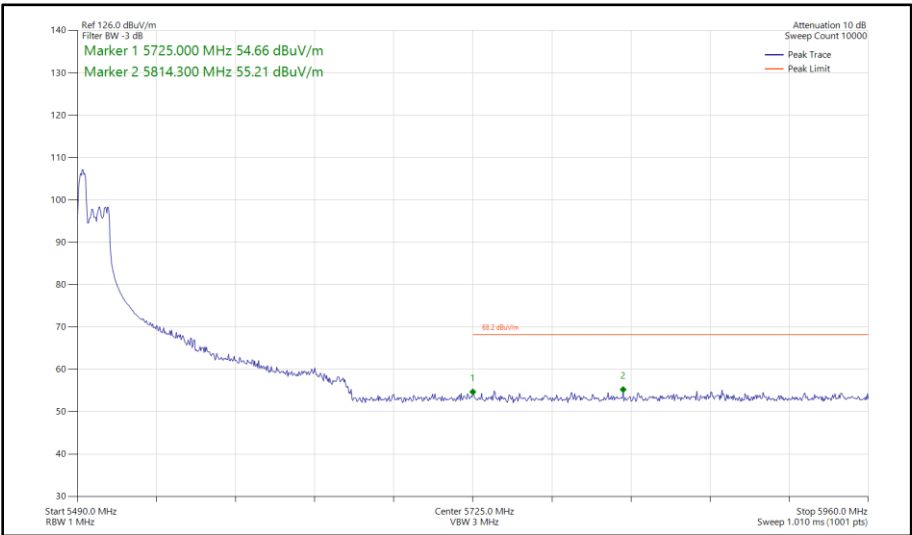


Figure 566 - 802.11ax HE160, RU 52-37P, SDM, Core 0 - Core 1 - 5570 MHz
Band Edge Frequency 5725 MHz



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:

- 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
- d) -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 and RF Chamber 17.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Cable (18 GHz)	Rosenberger	LU7-071-1000	5102	12	21-Nov-2024
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5379	12	12-Dec-2024
Cable 2.92m	Junkosha	MWX241-01000KMS	5413	12	23-May-2025
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	19-Sep-2025
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	07-Aug-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
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	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
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	24-May-2025
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
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	20-May-2025
Horn Antenna (1-10.5 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	06-Jun-2025
Digital Multimeter	Fluke	115	6146	12	06-Jun-2025
Digital Multimeter	Fluke	115	6147	12	06-Jun-2025



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Humidity & Temperature meter	R.S Components	1364	6148	12	29-Jul-2025
Humidity & Temperature meter	R.S Components	1364	6149	12	12-Aug-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	22-Dec-2024
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2024
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	06-Jan-2025
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	07-May-2025
Horn Antenna (1–10.5 GHz)	Schwarzbeck	BBHA 9120 B	6457	12	05-May-2025
Humidity and Temperature Meter	R.S Components	1364	6486	12	04-Jun-2025
AC Power Supply	iTech	IT7324	6657	-	O/P Mon
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	28-Jan-2026
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
10dB attenuator	RF-Lambda	RFS5G08B10SMF	6732	12	07-Jan-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
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	01-Feb-2025
Preamplifier	Hewlett Packard	HP8449B	6762	12	28-Feb-2025
1M SMA Cable	Junkosha	MWX221-01000AMSAMS/B	6832	12	14-Aug-2025
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	14-Aug-2025
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6834	12	14-Aug-2025

Table 692

TU - Traceability Unscheduled

O/P Mon - Output Monitored using calibrated equipment



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 6.2
ISED RSS-GEN, Clause 6.13 and 8.9

2.6.2 Equipment Under Test and Modification State

A3389, S/N: J7CW3WPWFV - Modification State 0
A3389, S/N: QQHY5J5267 - Modification State 0
A3389, S/N: LVV0X46J3D - Modification State 0

2.6.3 Date of Test

18-October-2024 to 24-October-2024

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 dB μ V/m @ 3 m and 64/84 dB μ V/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

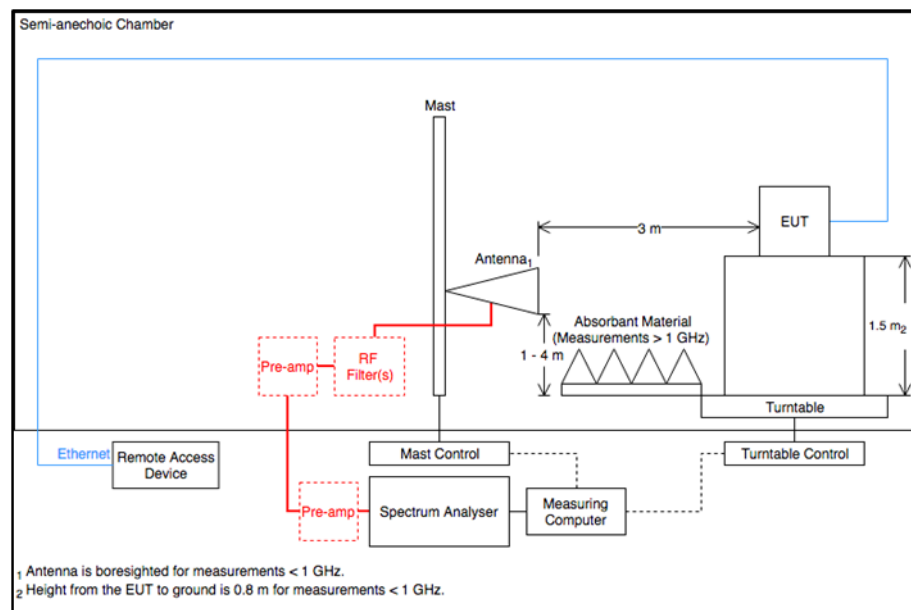


Figure 567 - Radiated Emissions Test Setup Diagram

2.6.6 Environmental Conditions

Ambient Temperature	20.8 - 23.3 °C
Relative Humidity	42.2 - 53.9 %

2.6.7 Test Results

5 GHz WLAN

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5099.818	39.89	54.00	-14.11	RMS	354	158	Vertical
5446.032	41.05	54.00	-12.95	RMS	2	110	Vertical
5526.889	51.29	68.20	-16.91	Peak	349	227	Vertical

Table 693 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

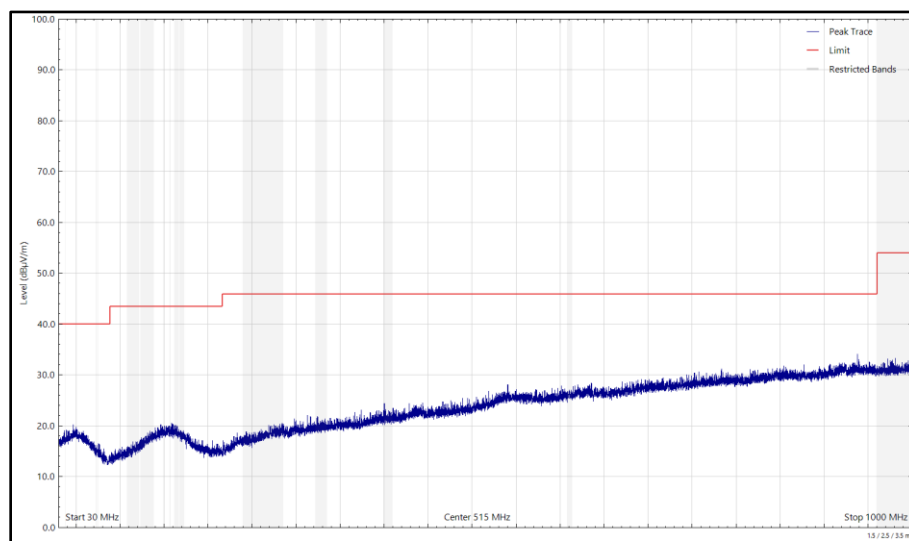


Figure 568 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

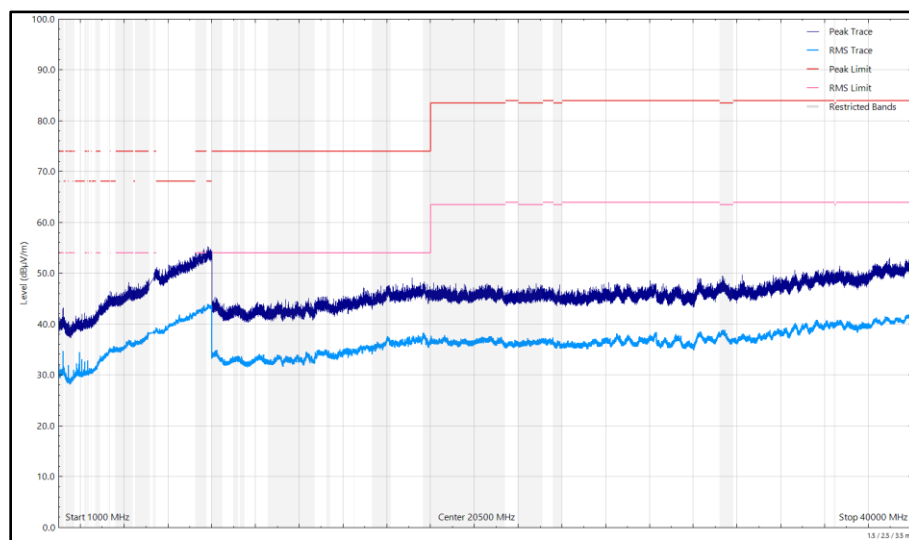


Figure 569 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

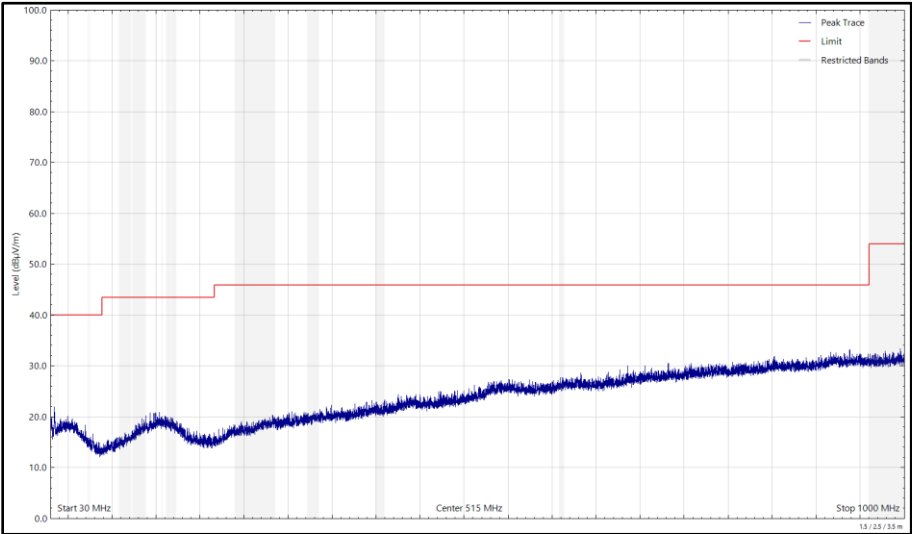


Figure 570 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

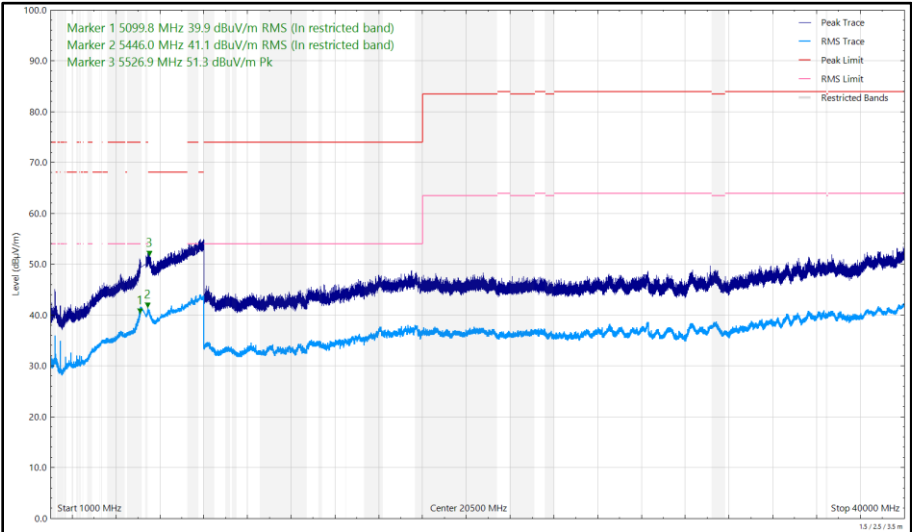


Figure 571 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.115	34.34	54.00	-19.66	RMS	23	338	Vertical
5148.472	38.95	54.00	-15.05	RMS	7	157	Vertical
5394.661	54.68	74.00	-19.32	Peak	3	102	Vertical
5455.785	41.51	54.00	-12.49	RMS	355	107	Vertical
5461.545	52.55	68.20	-15.65	Peak	352	100	Vertical

Table 694 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 0, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

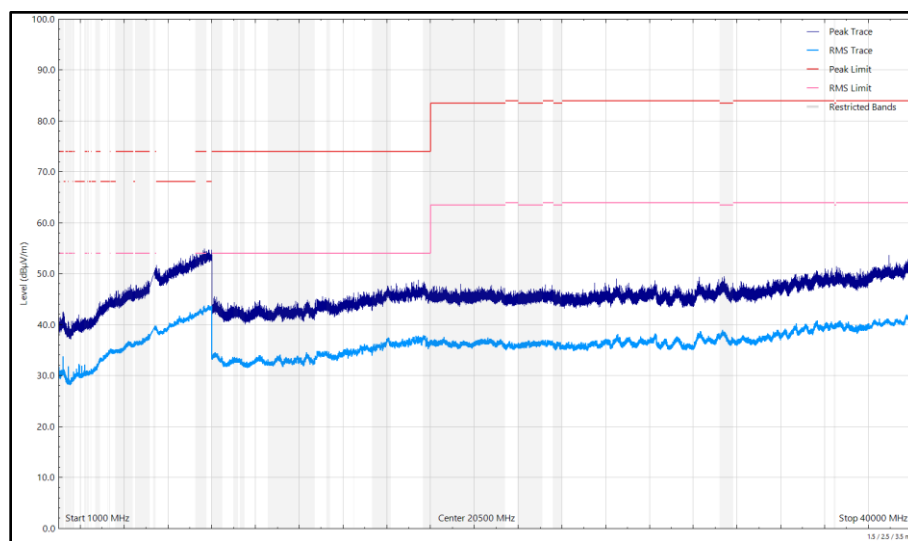


Figure 572 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

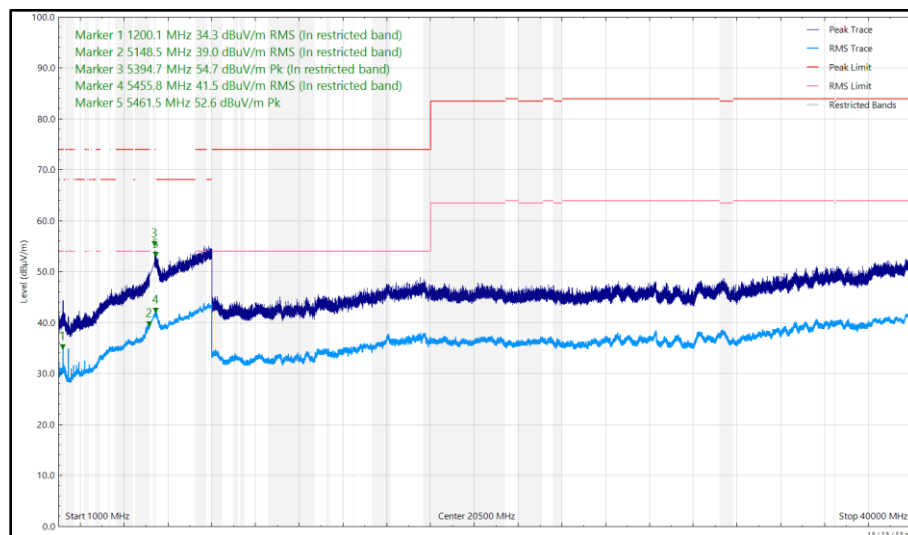


Figure 573 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1203.120	34.10	54.00	-19.90	RMS	26	343	Vertical
5344.702	50.89	68.20	-17.31	Peak	331	191	Vertical
5409.943	41.53	54.00	-12.47	RMS	18	107	Vertical

Table 695 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 0, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

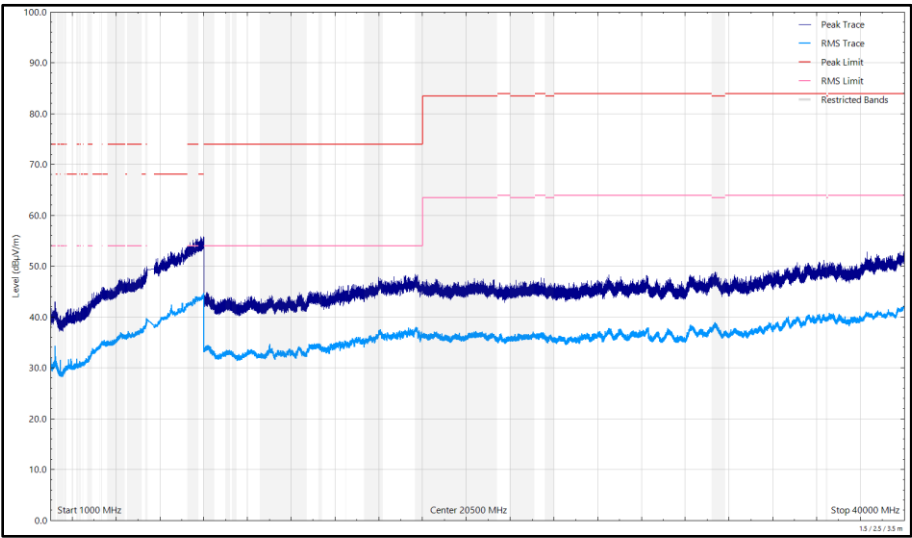


Figure 574 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

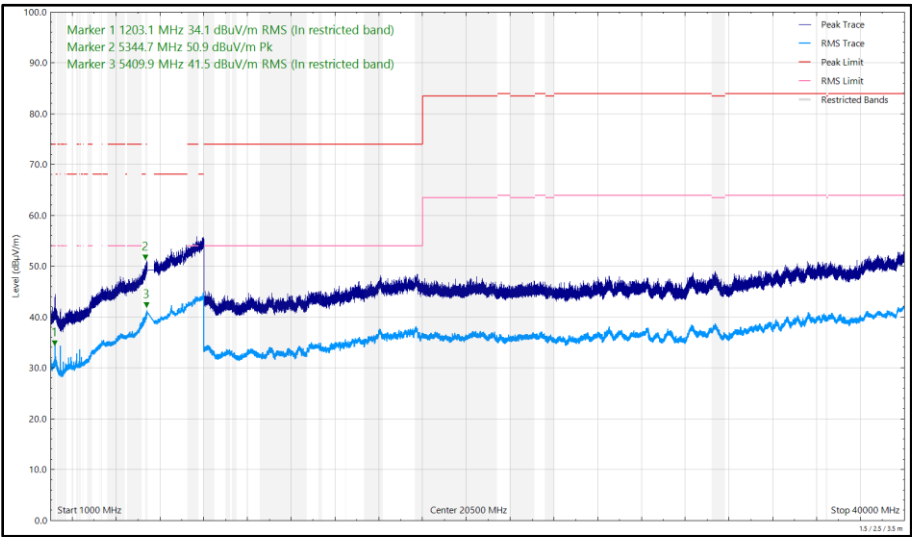


Figure 575 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1202.395	34.31	54.00	-19.69	RMS	146	255	Vertical
1439.278	34.05	54.00	-19.95	RMS	150	346	Vertical
5437.163	40.93	54.00	-13.07	RMS	19	106	Vertical
5460.607	54.25	68.20	-13.95	Peak	1	109	Vertical
5763.711	53.47	68.20	-14.73	Peak	12	102	Vertical
11401.260	34.85	54.00	-19.15	RMS	303	398	Vertical
11401.615	34.69	54.00	-19.31	RMS	85	342	Horizontal

Table 696 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 0, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

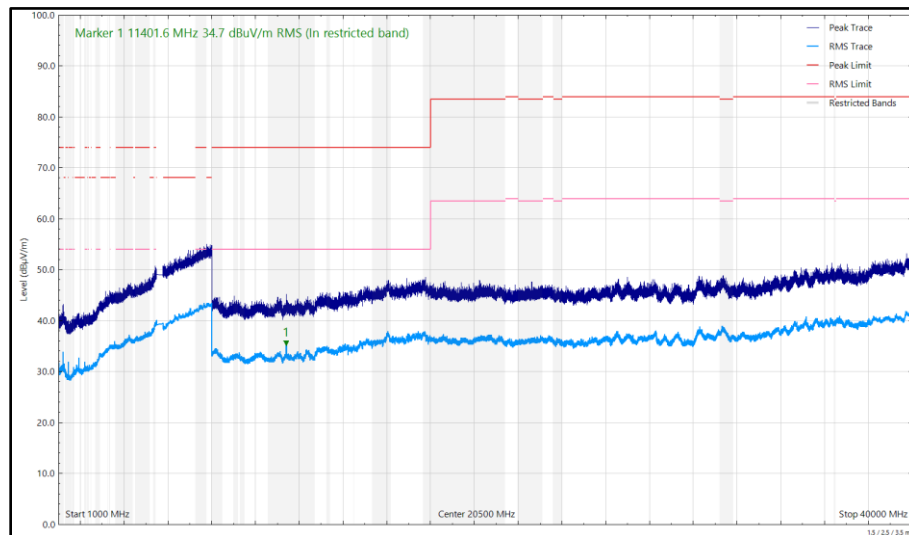


Figure 576 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

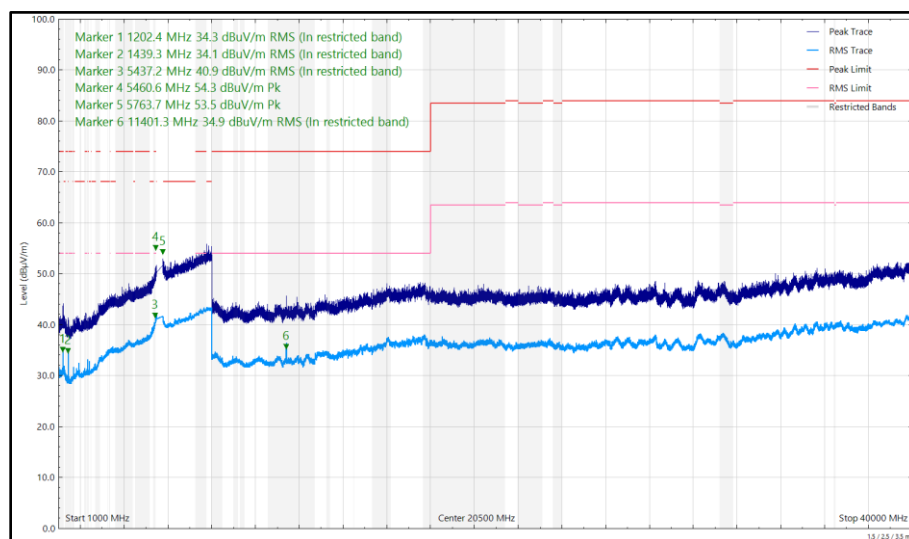


Figure 577 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5459.675	40.92	54.00	-13.08	RMS	1	103	Vertical
5504.283	53.64	68.20	-14.56	Peak	359	107	Vertical
5858.620	52.61	68.20	-15.59	Peak	22	168	Vertical
11490.140	34.47	54.00	-19.53	RMS	69	110	Vertical

Table 697 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 0, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

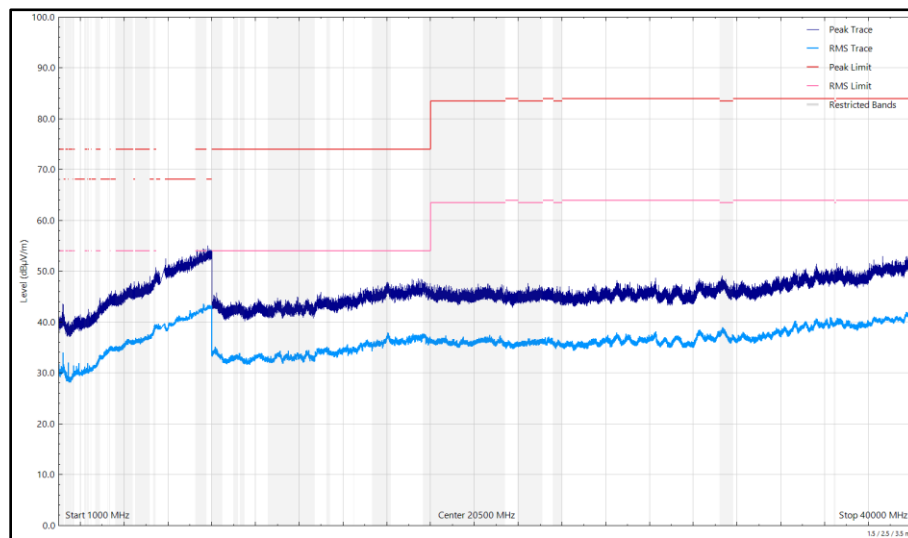


Figure 578 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

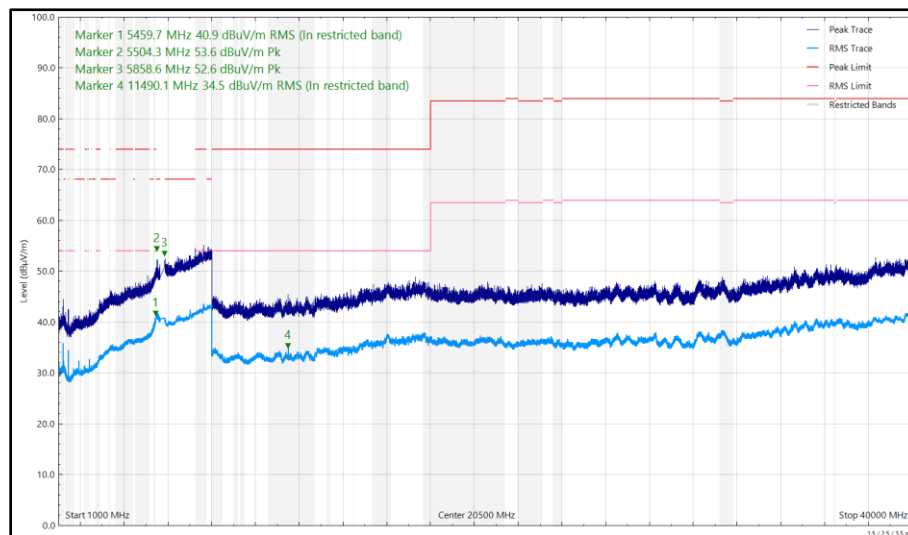


Figure 579 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5454.634	40.36	54.00	-13.64	RMS	3	107	Vertical
5512.173	53.06	68.20	-15.14	Peak	355	106	Vertical
6170.181	50.38	68.20	-17.82	Peak	232	125	Vertical

Table 698 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 0, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

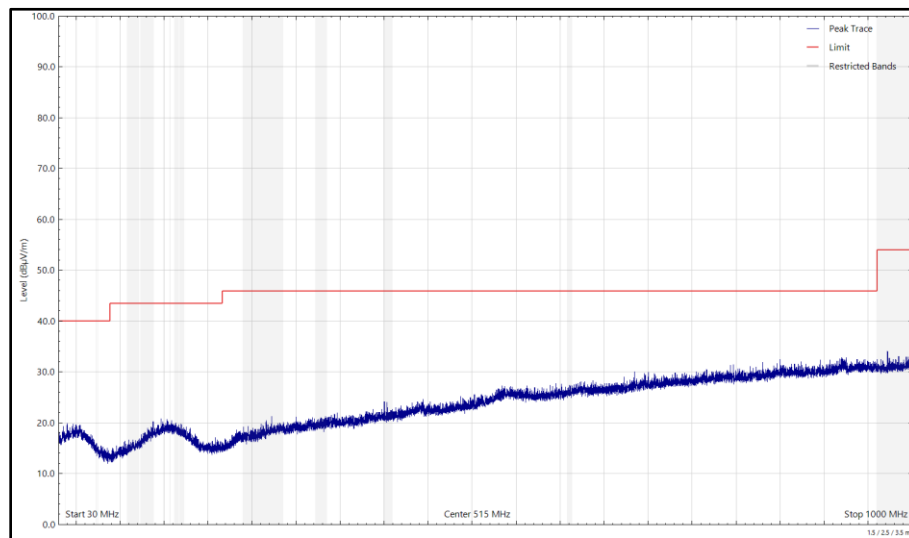


Figure 580 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

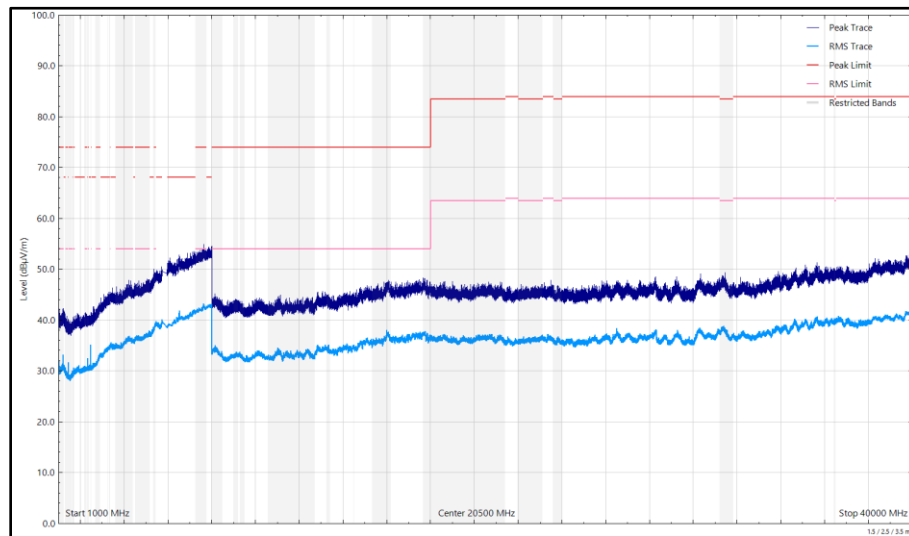


Figure 581 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal