

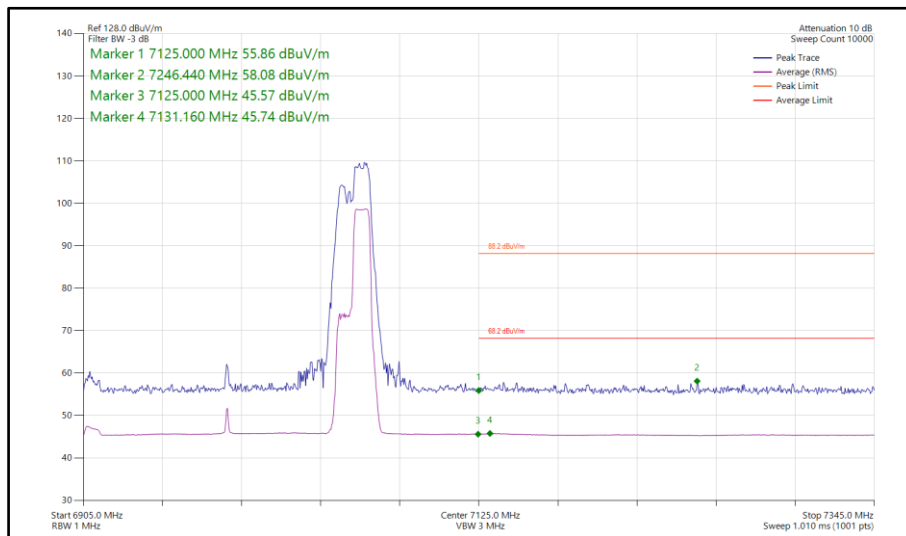


**Figure 523 - 802.11ax HE160, RU 106-60S, SISO, Core 1 - 6985 MHz
Band Edge Frequency 7125 MHz**

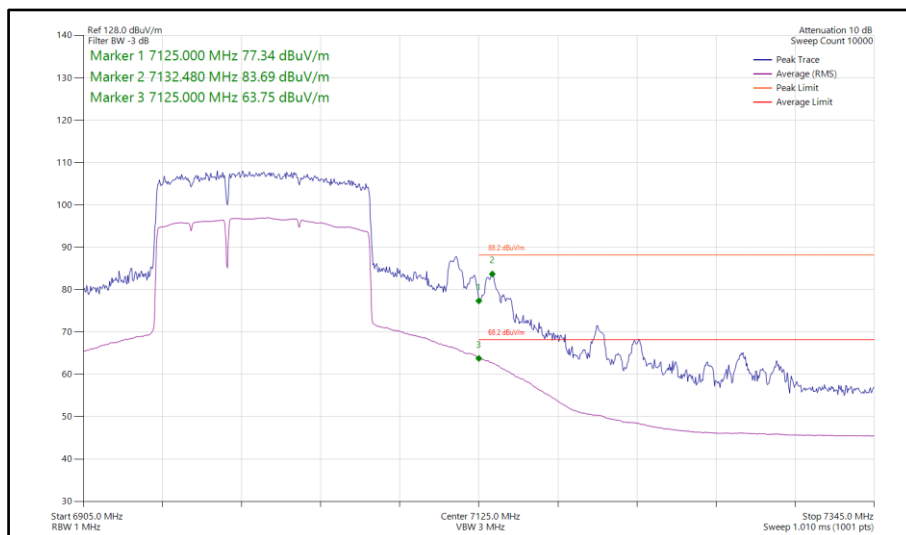


**Figure 524 - 802.11be EHT160, RU 996+484-94P, SISO, Core 1 - 6985 MHz
Band Edge Frequency 7125 MHz**

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)	Average Level (dBμV/m)
802.11a a160	54 Mbps	-	-	6025	5925	83.57	64.94
802.11ax HE160	MCS 4x1	SU	-	6025	5925	83.33	65.37
802.11ax HE160	MCS 11x1	52	52S	6025	5925	59.90	44.75
802.11be EHT160	MCS 9	996+484	95P	6025	5925	83.69	59.38
802.11a a160	24 Mbps	-	-	6985	7125	78.19	65.38
802.11ax HE160	MCS 2x1	SU	-	6985	7125	83.46	65.64
802.11ax HE160	MCS 9x1	106	60S	6985	7125	58.58	45.85
802.11be EHT160	MCSMCS 9	996+484+2 42	97P	6985	7125	83.67	64.49

Table 867 - CDD Authorised Band Edge Results

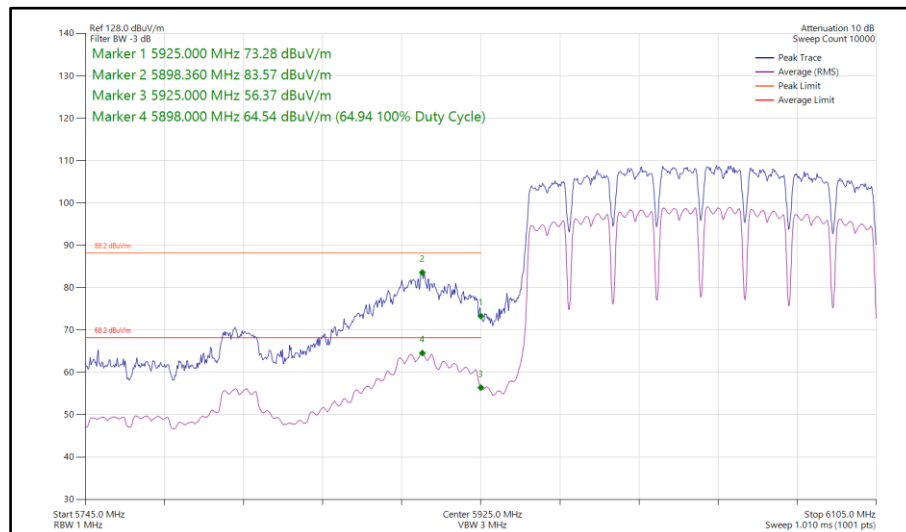


**Figure 525 - 802.11a a160, CDD, Core 0-1 - 6025 MHz
Band Edge Frequency 5925 MHz**

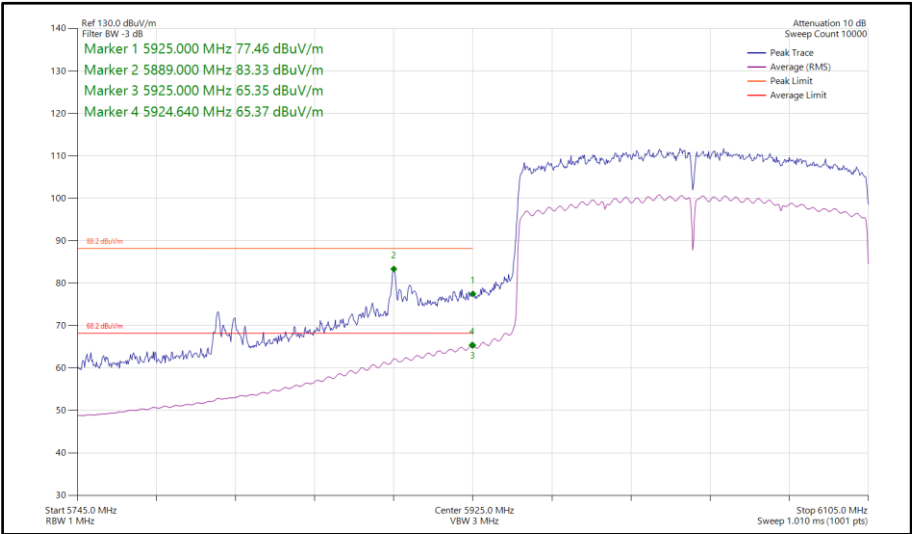


Figure 526 - 802.11ax HE160, SU, CDD, Core 0-1 - 6025 MHz
Band Edge Frequency 5925 MHz

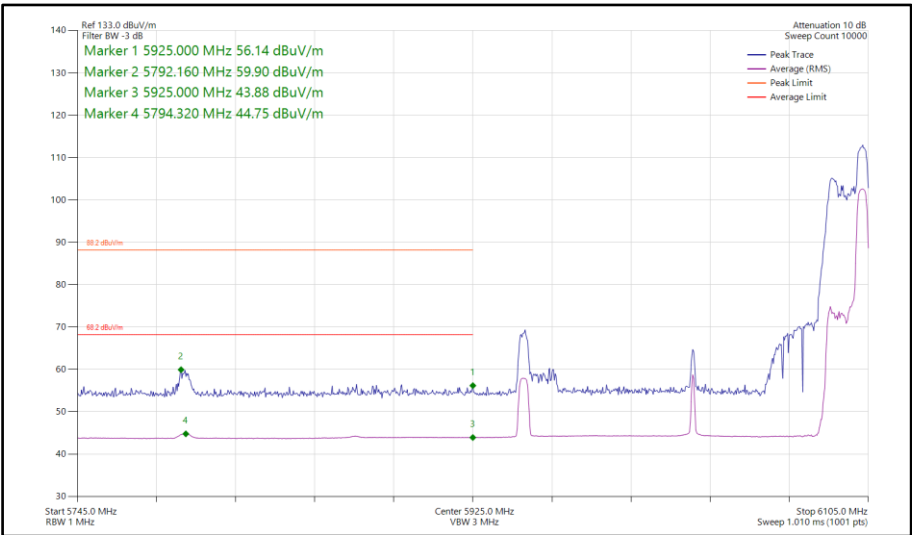


Figure 527 - 802.11ax HE160, RU 52-52S, CDD, Core 0-1 - 6025 MHz
Band Edge Frequency 5925 MHz

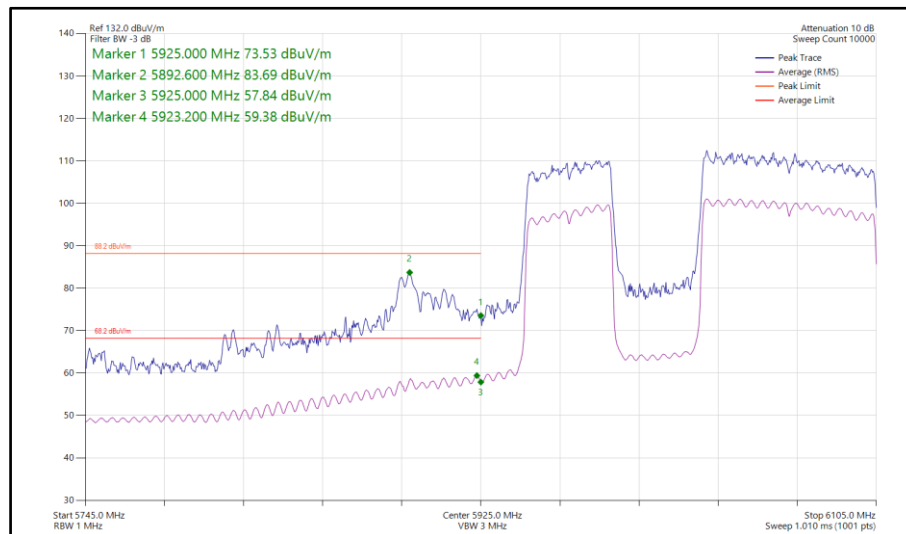


**Figure 528 - 802.11be EHT160, RU 996+484-95P, CDD, Core 0-1 - 6025 MHz
Band Edge Frequency 5925 MHz**

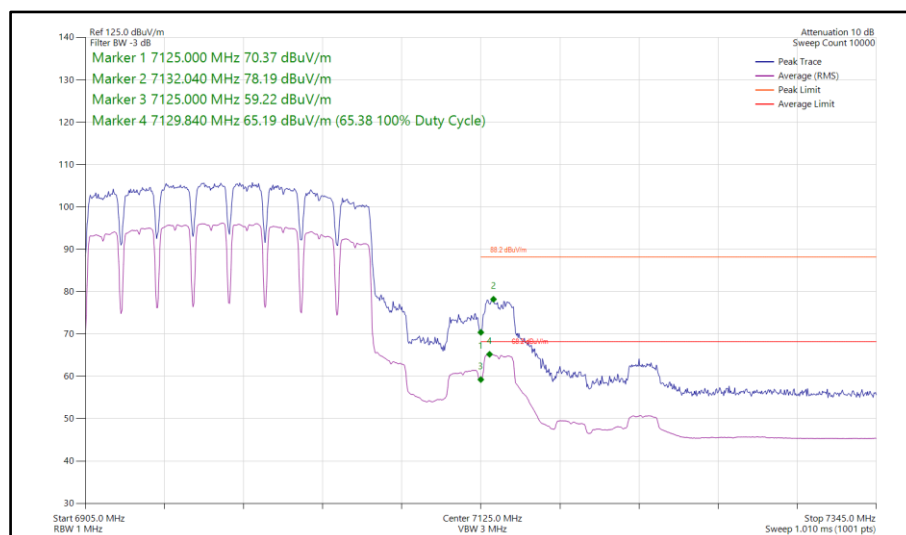


**Figure 529 - 802.11a a160, CDD, Core 0-1 - 6985 MHz
Band Edge Frequency 7125 MHz**

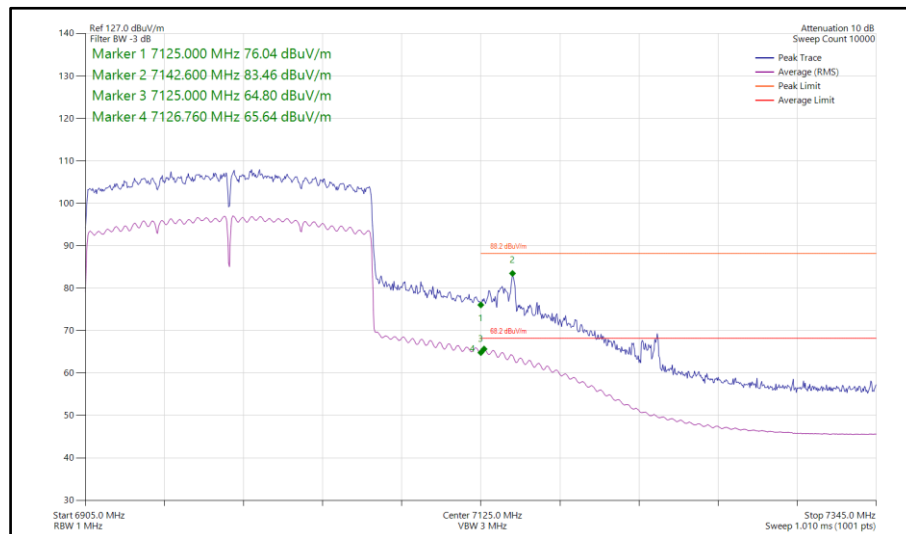


**Figure 530 - 802.11ax HE160, SU, CDD, Core 0-1 - 6985 MHz
Band Edge Frequency 7125 MHz**

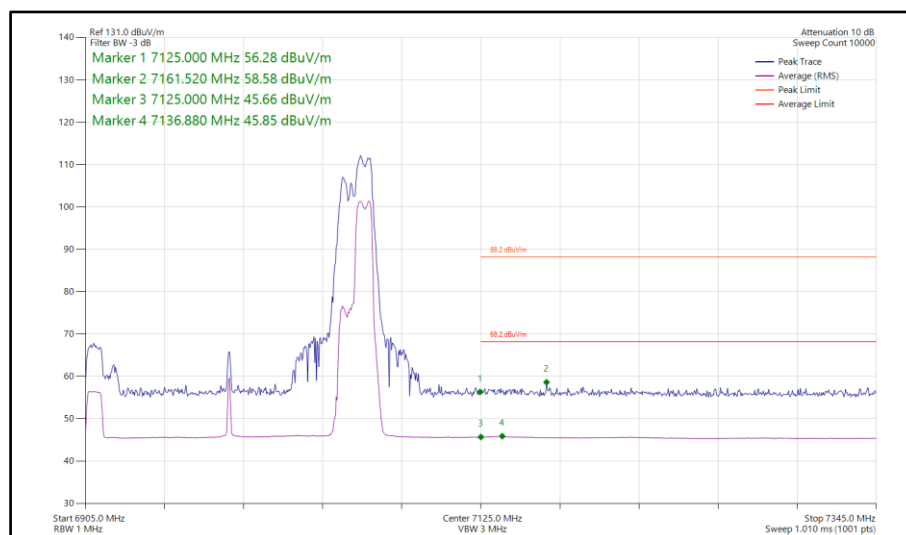


**Figure 531 - 802.11ax HE160, RU 106-60S, CDD, Core 0-1 - 6985 MHz
Band Edge Frequency 7125 MHz**

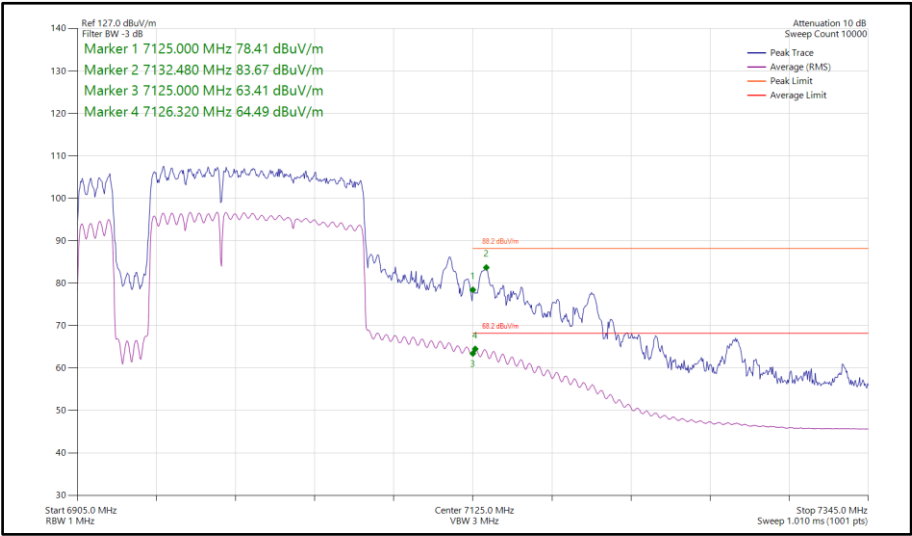


Figure 532 - 802.11be EHT160, RU 996+484+242-97P, CDD, Core 0-1 - 6985 MHz
Band Edge Frequency 7125 MHz



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)	Average Level (dBμV/m)
802.11ax HE160	MCS 11x2	SU	-	6025	5925	82.28	65.39
802.11ax HE160	MCS 11x2	26	36S	6025	5925	62.44	45.46
802.11be EHT160	MCS 9x2	484+242	91	6025	5925	83.42	65.67
802.11ax HE160	MCS 4x2	SU	-	6985	7125	82.09	65.26
802.11ax HE160	MCS 9x2	106	60S	6985	7125	57.61	45.76
802.11be EHT160	MCS 9x2	996+484+242	96	6985	7125	82.75	65.70

Table 868 - SDM Authorised Band Edge Results

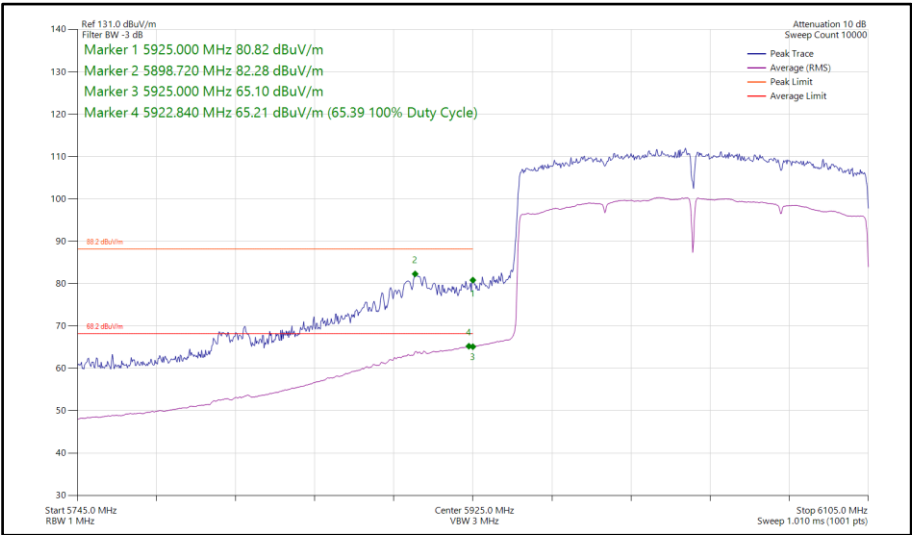


Figure 533 - 802.11ax HE160, SU, SDM, Core 0-1 - 6025 MHz
Band Edge Frequency 5925 MHz

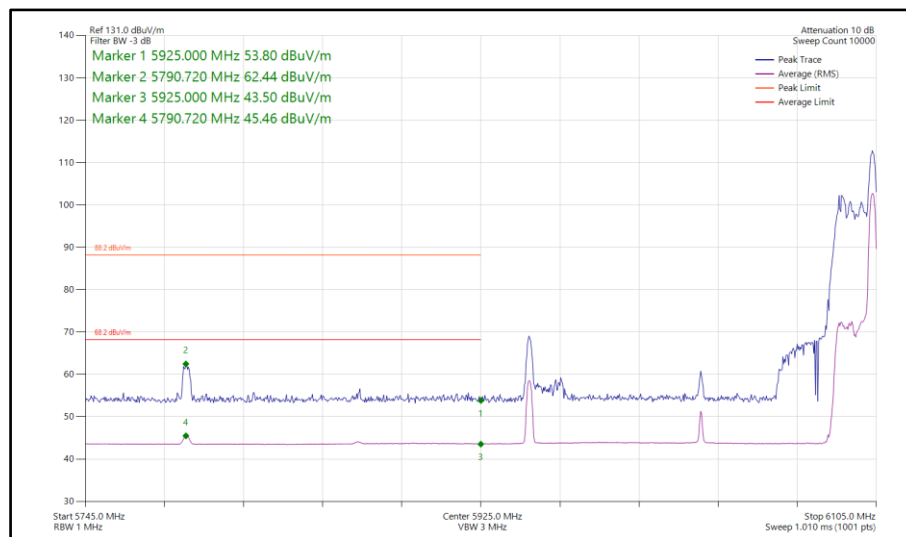


**Figure 534 - 802.11ax HE160, RU 26-36S, SDM, Core 0-1 - 6025 MHz
Band Edge Frequency 5925 MHz**

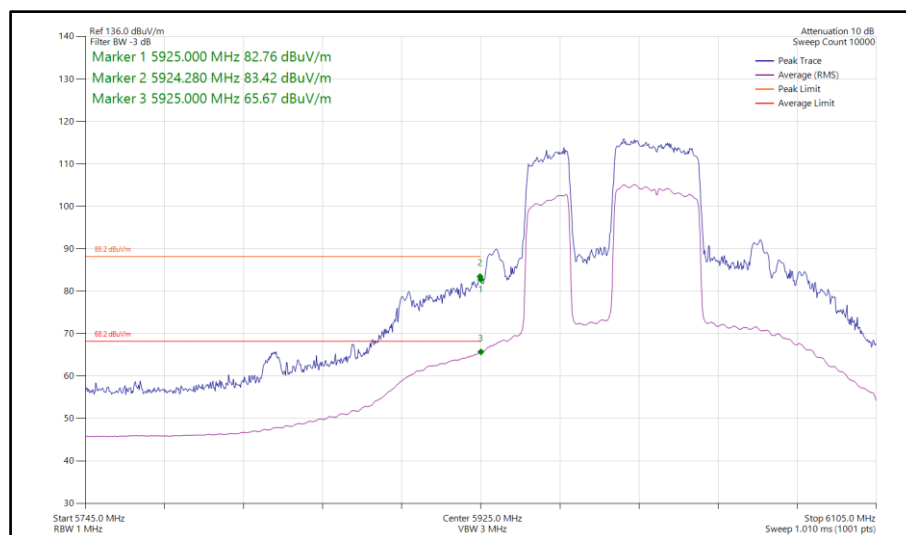


**Figure 535 - 802.11be EHT160, RU 484+242-91, SDM, Core 0-1 - 6025 MHz
Band Edge Frequency 5925 MHz**

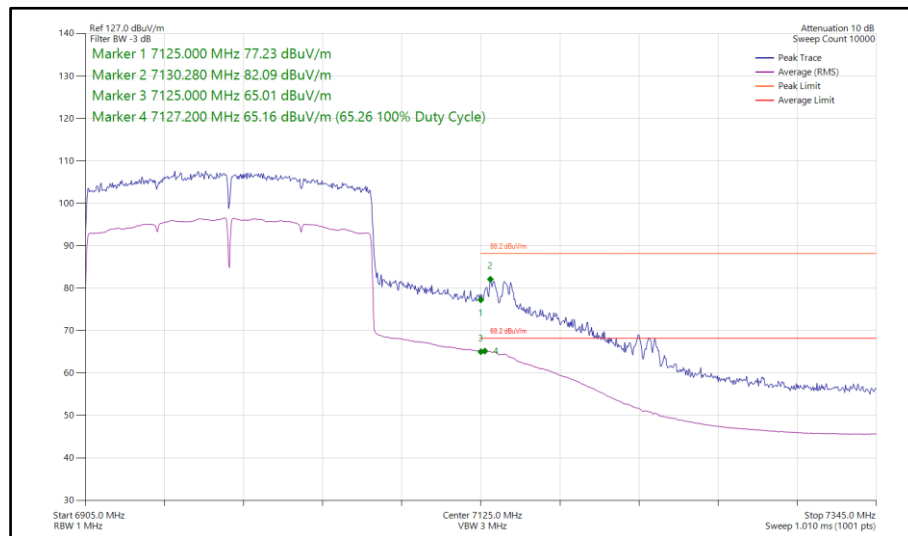


**Figure 536 - 802.11ax HE160, SU, SDM, Core 0-1 - 6985 MHz
Band Edge Frequency 7125 MHz**

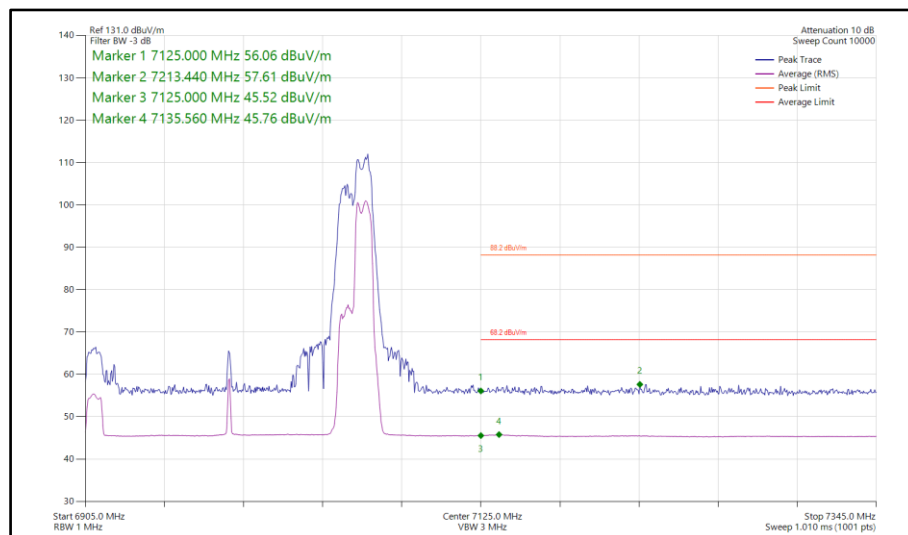


**Figure 537 - 802.11ax HE160, RU 106-60S, SDM, Core 0-1 - 6985 MHz
Band Edge Frequency 7125 MHz**

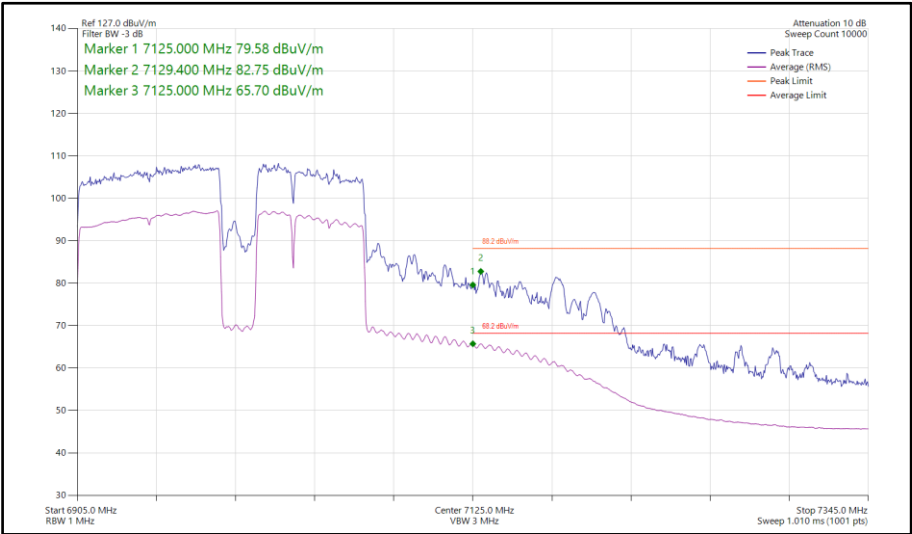


**Figure 538 - 802.11be EHT160, RU 996+484+242-96, SDM, Core 0-1 - 6985 MHz
Band Edge Frequency 7125 MHz**



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)	Average Level (dBμV/m)
802.11ax HE160	MCS 2x1	SU	-	6025	5925	78.74	65.66
802.11ax HE160	MCS 2x1	SU	-	6985	7125	80.55	65.68

Table 869 - TxBF Authorised Band Edge Results

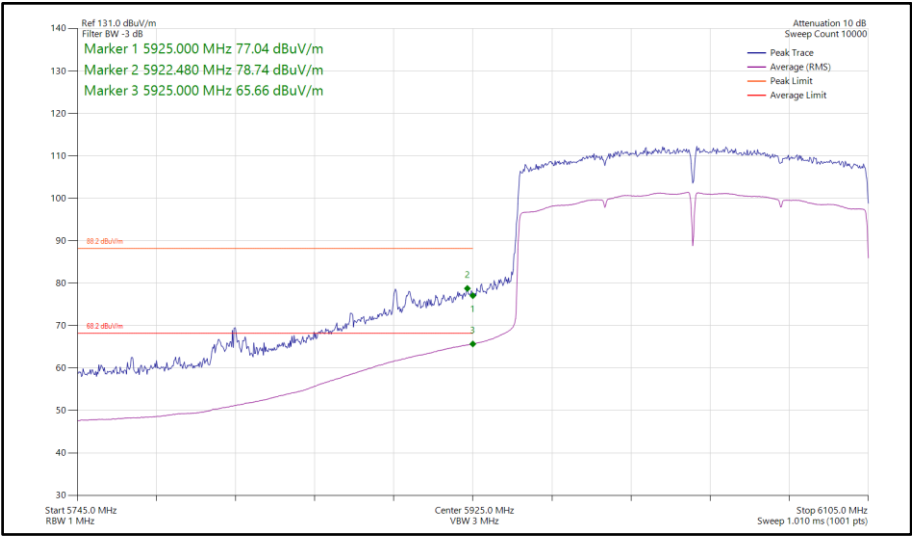


Figure 539 - 802.11ax HE160, SU, TxBF, Core 0-1 - 6025 MHz
Band Edge Frequency 5925 MHz

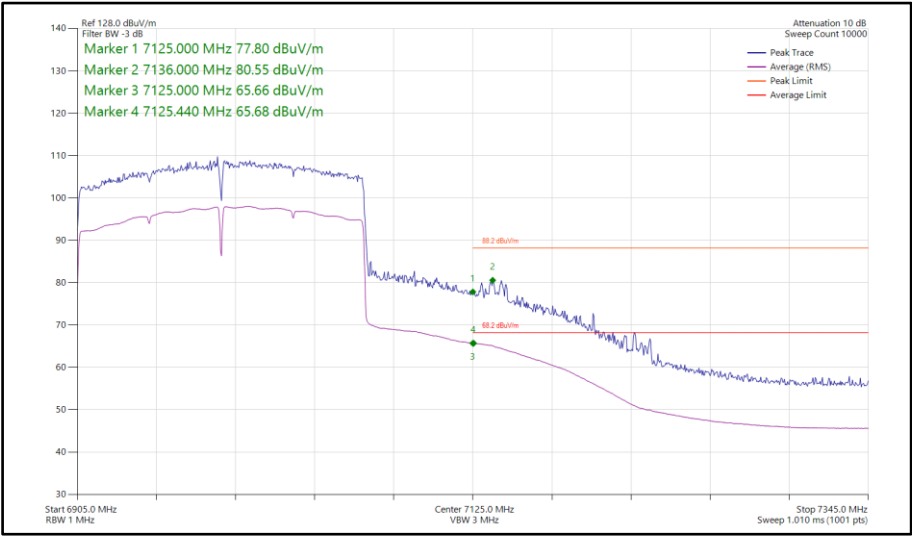


Figure 540 - 802.11ax HE160, SU, TxBF, Core 0-1 - 6985 MHz
Band Edge Frequency 7125 MHz



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

For transmitters operating within the 5.925–7.125 GHz band: Any emissions outside of the 5.925–7.125 GHz band must not exceed an e.i.r.p. of -27 dBm.

ISED RSS-248, Limit Clause 4.6.2(a)

Any emissions outside of the 5925-7125 MHz band shall not exceed –27 dBm/MHz e.i.r.p.



2.5.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 16 and RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.1 V.	5125	-	O/P Mon
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	29-Oct-2026
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	O/P Mon
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
3m Semi-Anechoic Chamber, Chamber16	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 GHz)	Schwarzbeck	BBHA9120B	6142	12	14-Sep-2026
Digital Multimeter	Fluke	115	6145	12	02-Jun-2027
Humidity & Temperature meter	R.S Components	1364	6149	12	28-Aug-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2026
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	08-May-2028
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	27-Apr-2027
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	27-Apr-2027
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	24-Jul-2026
AC Programmable Power Supply	iTech	IT7324	6812	-	O/P Mon
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	14-Sep-2026
Handheld Hygrometer	Fluke	971	6837	12	16-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6841	12	23-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6850	12	23-Oct-2026
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6886	12	02-Dec-2026

Table 870

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-248, Clause 4.6
ISED RSS-GEN, Clause 6.13 and 8.9

2.6.2 Equipment Under Test and Modification State

A3590, S/N: M3KDP4Q16R - Modification State 0

2.6.3 Date of Test

23-June-2026 to 11-August-2026

2.6.4 Test Method

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

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

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 12.7.7.2 using an average trace.

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 RMS EIRP and -7dBm/MHz Peak 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:

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

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

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

A reduced frequency range for testing was employed on some of the test modes within this test section, based on the manufacturers RSE test plan. With any reduction based on their pre-assessment of the device, to determine the ranges and test channels that were most likely to produce emissions.

2.6.7 Test Results

6 GHz WLAN

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
41.074	20.14	40.00	-19.86	Q-Peak	255	247	Horizontal
48.012	21.61	40.00	-18.39	Q-Peak	202	361	Vertical
78.620	20.20	40.00	-19.80	Q-Peak	6	105	Horizontal
79.132	26.82	40.00	-13.18	Q-Peak	325	207	Vertical
149.155	21.38	43.50	-22.12	Q-Peak	223	393	Vertical
160.023	22.01	43.50	-21.49	Q-Peak	360	103	Horizontal
1200.146	32.35	54.00	-21.65	RMS	108	389	Vertical
1440.033	29.04	54.00	-24.96	RMS	114	189	Vertical
5417.987	39.41	54.00	-14.59	RMS	193	229	Horizontal
5447.111	37.35	54.00	-16.65	RMS	332	141	Vertical

Table 871 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

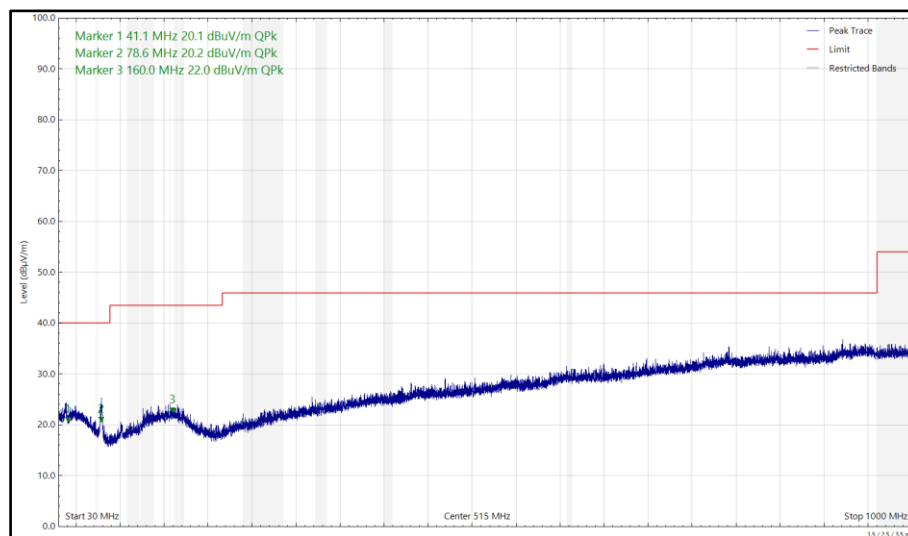


Figure 542 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

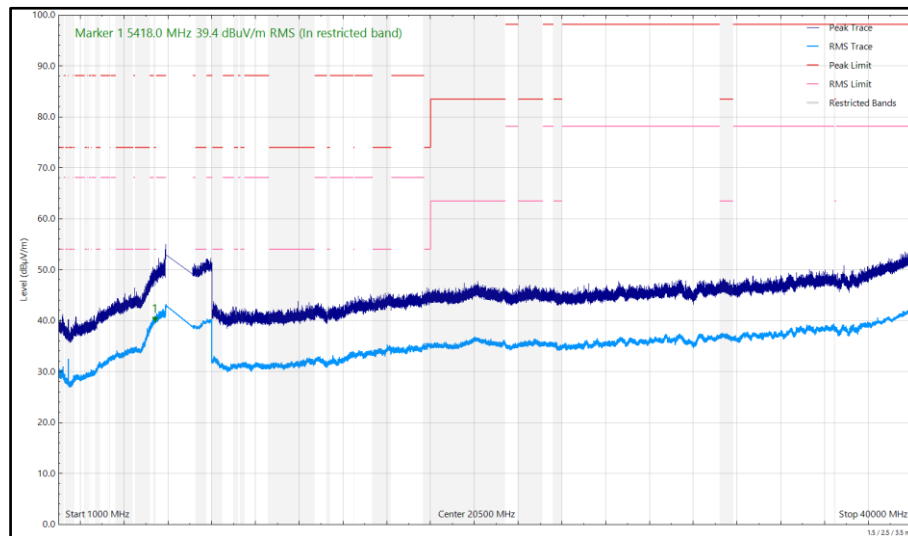


Figure 543 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

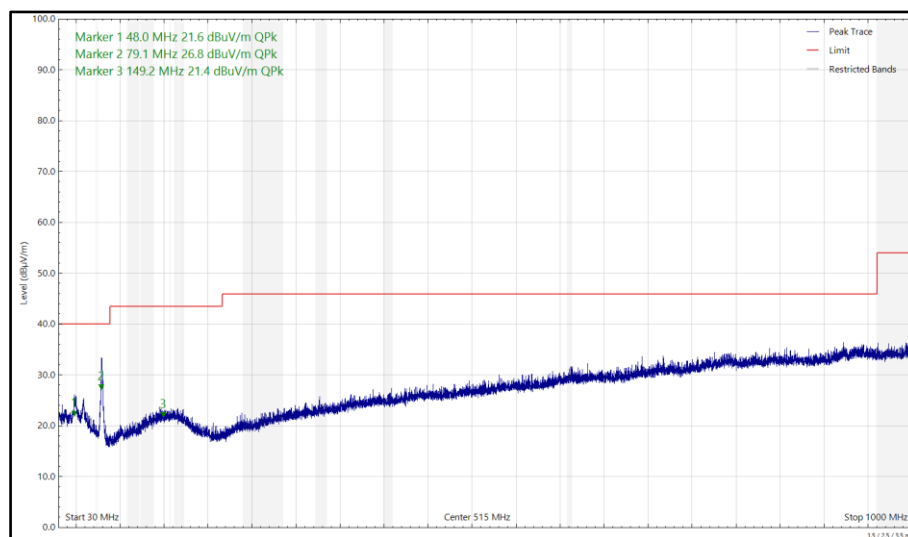


Figure 544 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

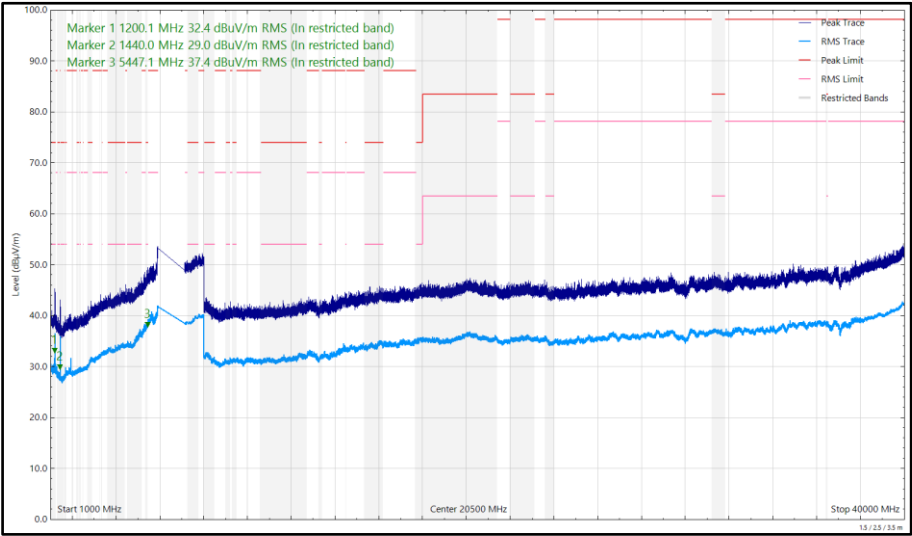


Figure 545 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
39.464	20.17	40.00	-19.83	Q-Peak	322	351	Horizontal
47.968	21.97	40.00	-18.03	Q-Peak	308	118	Vertical
78.550	20.20	40.00	-19.80	Q-Peak	294	115	Horizontal
79.300	27.30	40.00	-12.70	Q-Peak	356	100	Vertical
139.600	20.74	43.50	-22.76	Q-Peak	237	369	Horizontal
164.319	22.00	43.50	-21.50	Q-Peak	219	342	Vertical
1200.738	29.84	54.00	-24.16	RMS	125	239	Vertical
1440.135	32.61	54.00	-21.39	RMS	128	247	Vertical
5449.510	40.48	54.00	-13.52	RMS	191	185	Horizontal
5459.434	38.12	54.00	-15.88	RMS	22	100	Vertical

Table 872 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

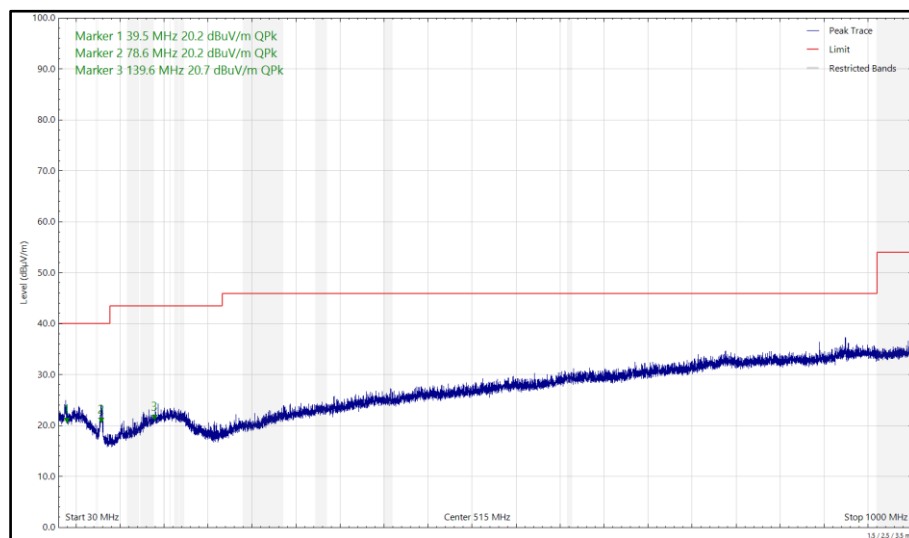


Figure 546 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

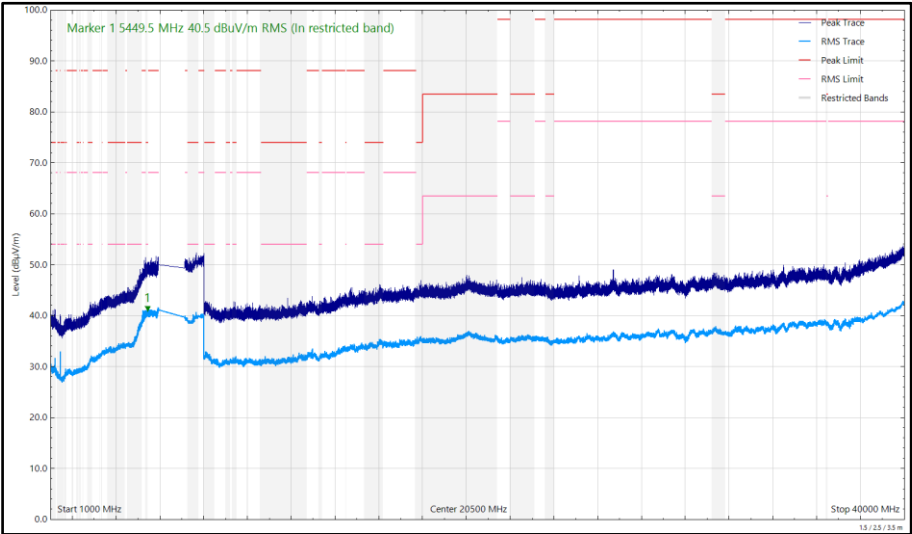


Figure 547 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

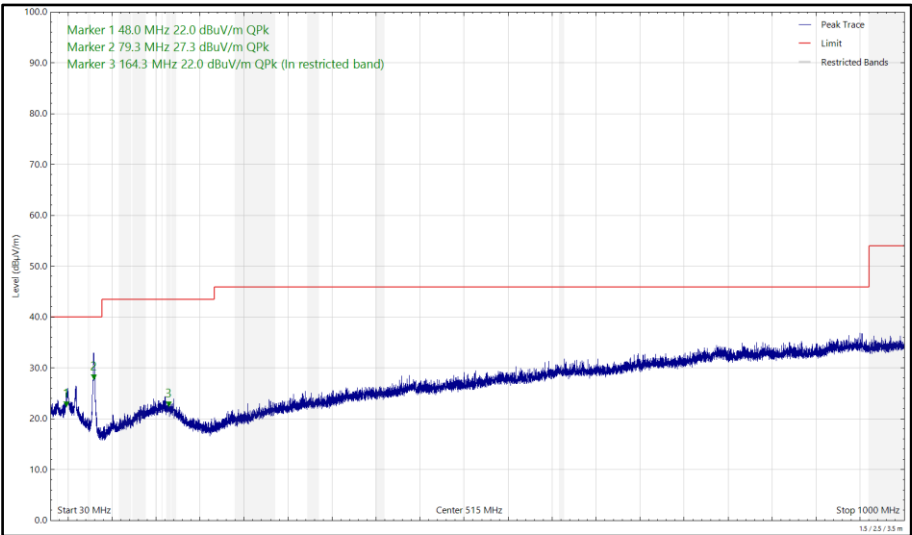


Figure 548 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

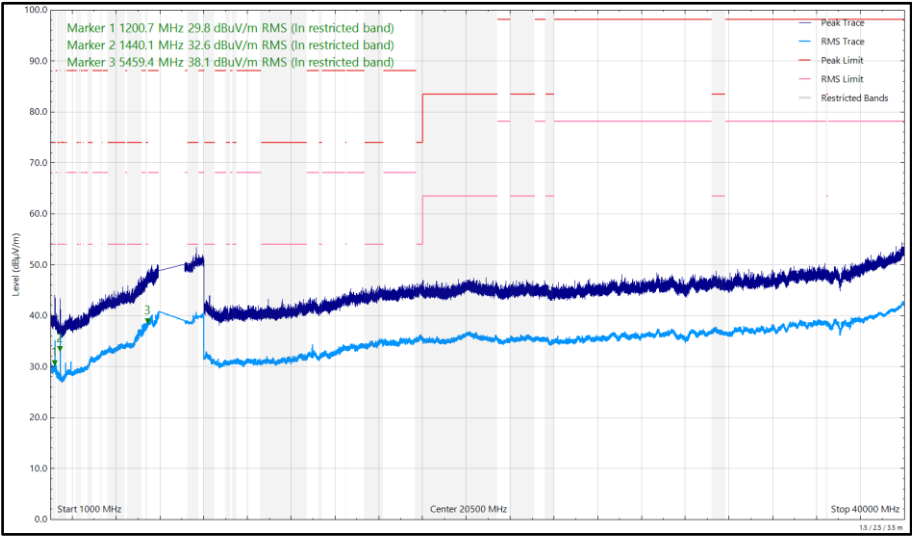


Figure 549 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
58.494	20.41	40.00	-19.59	Q-Peak	77	345	Vertical
77.347	19.04	40.00	-20.96	Q-Peak	246	105	Horizontal
78.918	26.18	40.00	-13.82	Q-Peak	236	219	Vertical
147.653	21.40	43.50	-22.10	Q-Peak	45	294	Vertical
170.751	21.67	43.50	-21.83	Q-Peak	142	332	Horizontal
1199.935	29.71	54.00	-24.29	RMS	118	183	Vertical
1440.135	29.45	54.00	-24.55	RMS	108	341	Vertical
5423.927	41.46	54.00	-12.54	RMS	194	139	Horizontal
5423.990	38.83	54.00	-15.17	RMS	190	172	Vertical

Table 873 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

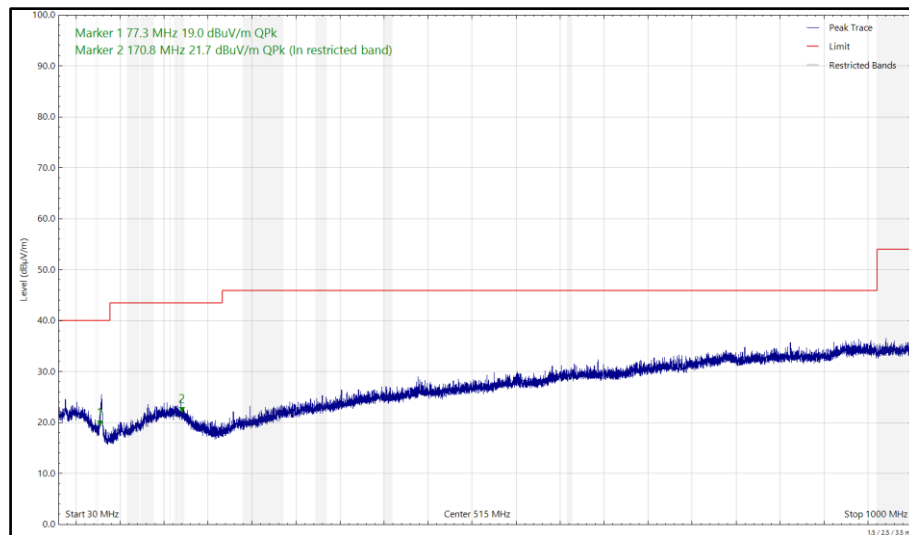


Figure 550 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

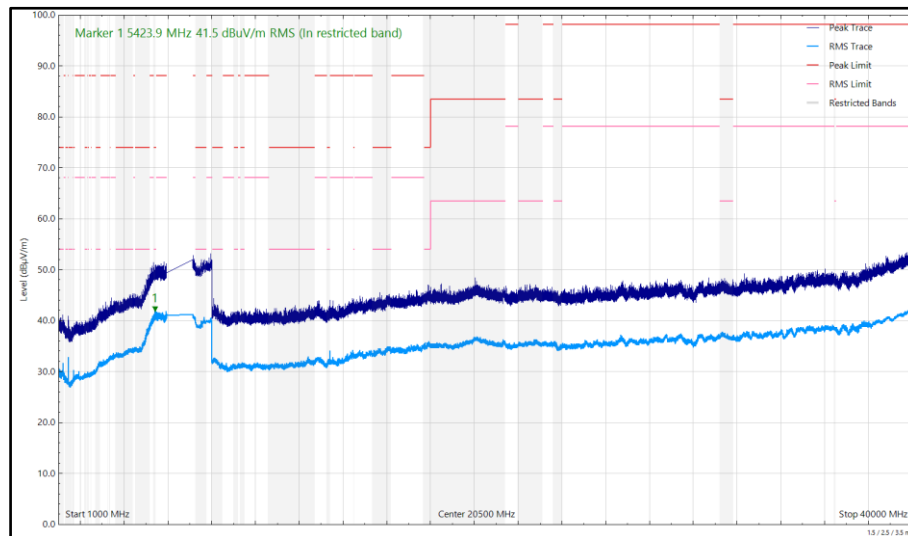


Figure 551 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

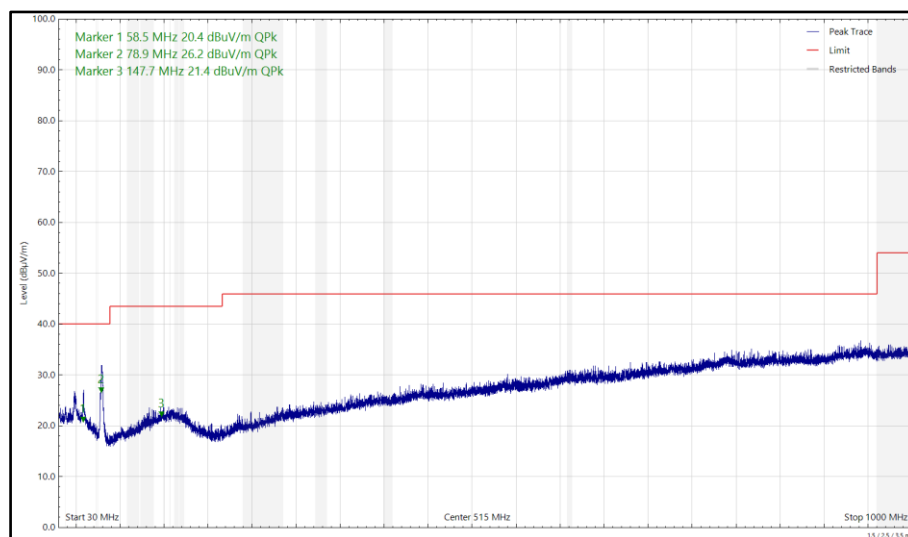


Figure 552 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

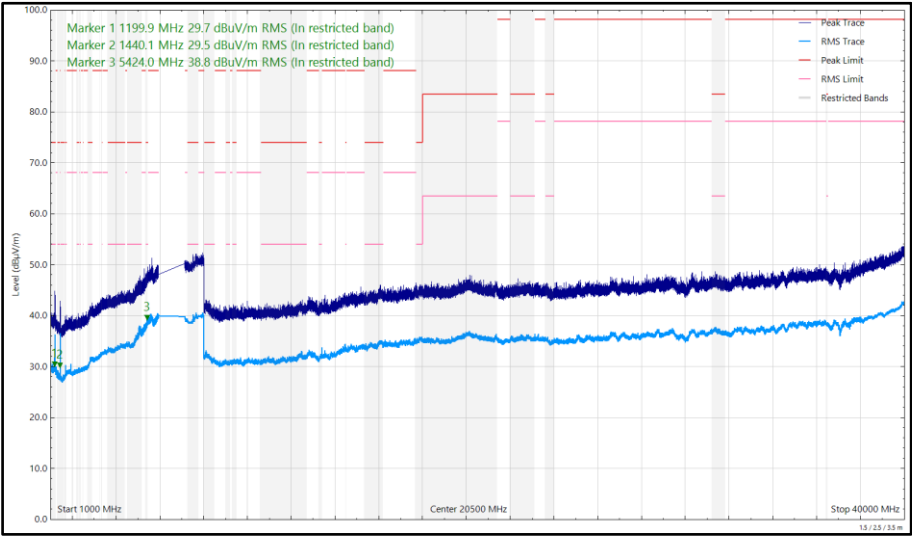


Figure 553 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
48.968	21.33	40.00	-18.67	Q-Peak	287	311	Vertical
78.731	20.99	40.00	-19.01	Q-Peak	285	106	Horizontal
79.222	27.86	40.00	-12.14	Q-Peak	343	100	Vertical
135.543	20.36	43.50	-23.14	Q-Peak	335	378	Horizontal
155.607	21.78	43.50	-21.72	Q-Peak	179	254	Vertical
1200.435	30.56	54.00	-23.44	RMS	127	152	Vertical
1440.077	29.59	54.00	-24.41	RMS	121	152	Vertical
5417.067	39.69	54.00	-14.31	RMS	192	123	Horizontal
5457.492	37.90	54.00	-16.10	RMS	193	128	Vertical
7251.819	40.20	54.00	-13.80	RMS	232	335	Horizontal

Table 874 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

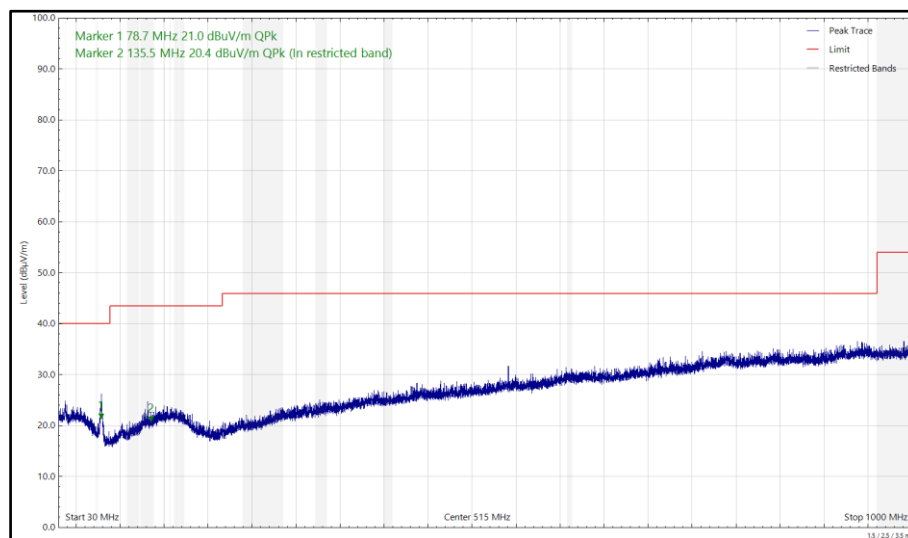


Figure 554 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

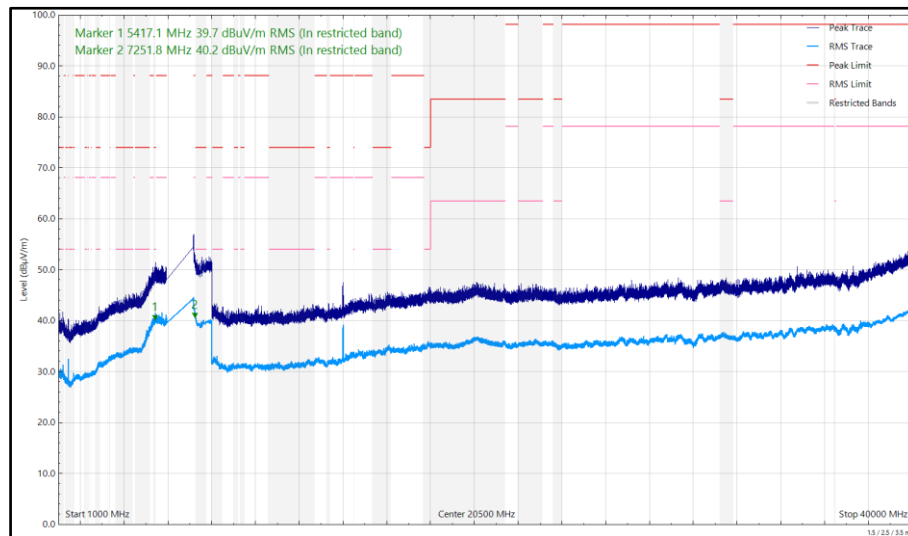


Figure 555 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

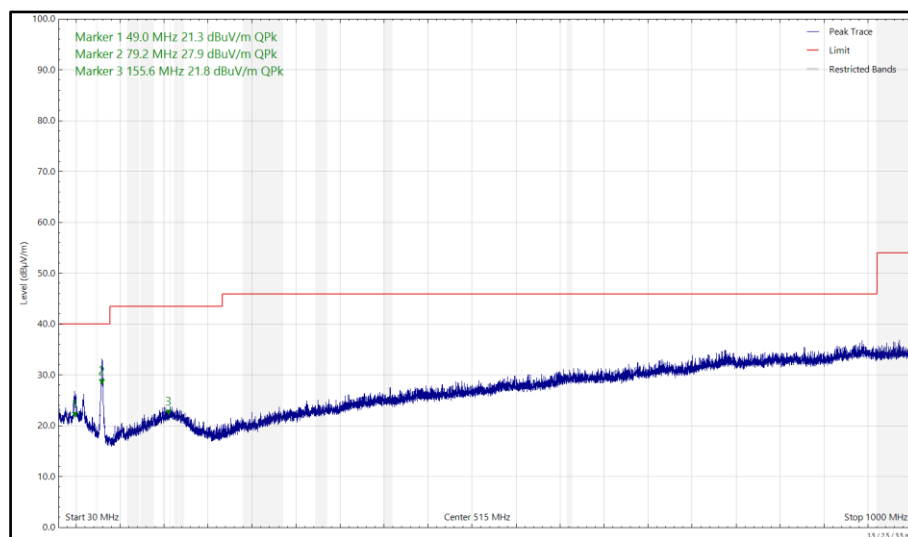


Figure 556 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

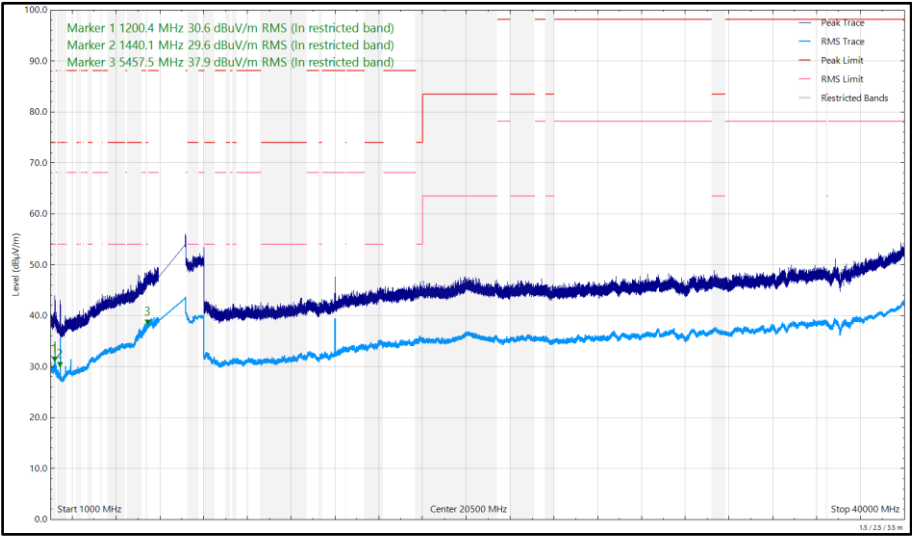


Figure 557 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.098	32.38	54.00	-21.62	RMS	108	275	Vertical
1451.263	27.05	54.00	-26.95	RMS	108	303	Vertical
5448.013	39.83	54.00	-14.17	RMS	191	245	Horizontal
5455.206	37.78	54.00	-16.22	RMS	354	161	Vertical
7253.226	40.89	54.00	-13.11	RMS	254	172	Horizontal

Table 875 - U-NII-8 - 7115 MHz (CH233), EHT20, RU106+26-82, CDD, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

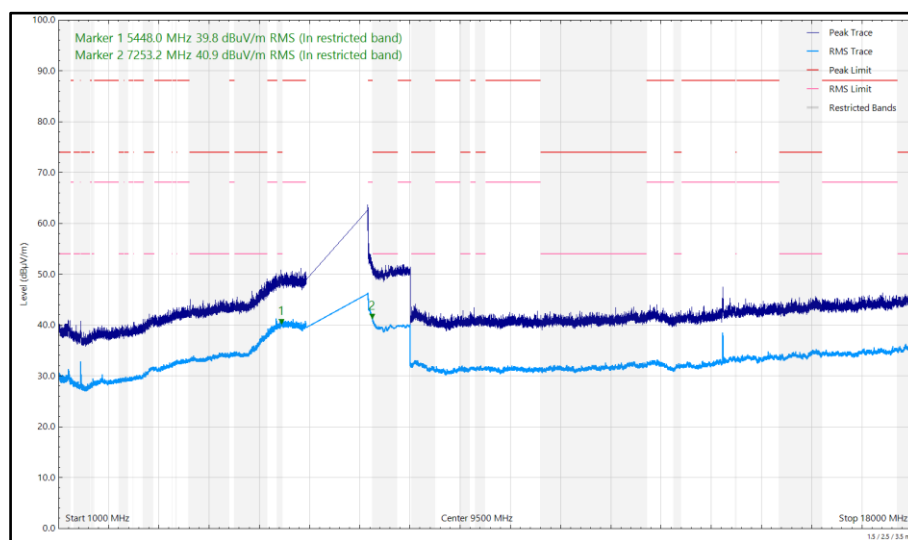


Figure 558 - U-NII-8 - 7115 MHz (CH233), EHT20, RU106+26-82, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

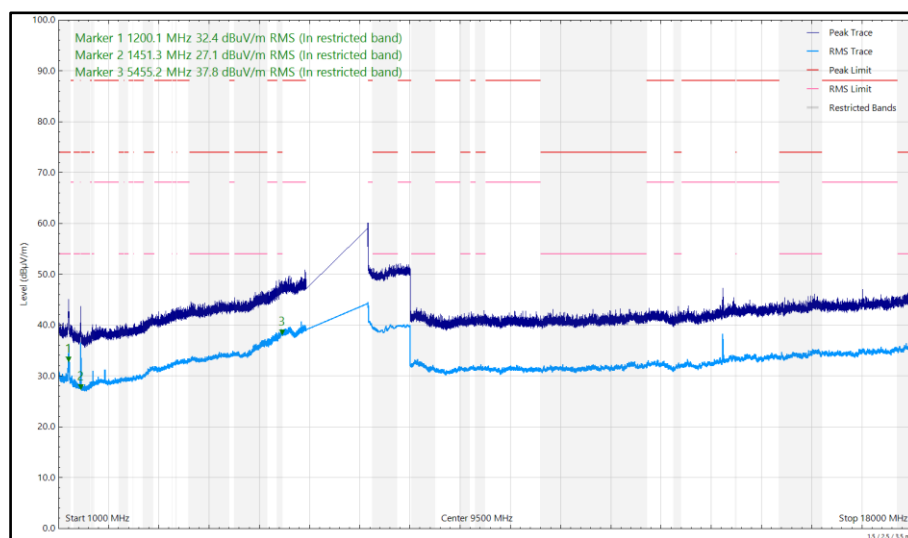


Figure 559 - U-NII-8 - 7115 MHz (CH233), EHT20, RU106+26-82, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.237	30.36	54.00	-23.64	RMS	118	303	Vertical
1440.180	31.98	54.00	-22.02	RMS	242	254	Vertical
5456.164	40.79	54.00	-13.21	RMS	199	127	Horizontal
5459.518	39.13	54.00	-14.87	RMS	33	178	Vertical
5732.063	43.52	68.20	-24.68	RMS	208	182	Horizontal

Table 876 - U-NII-5 - 6025 MHz (CH15), EHT160, RU996+484+242-96P, CDD, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

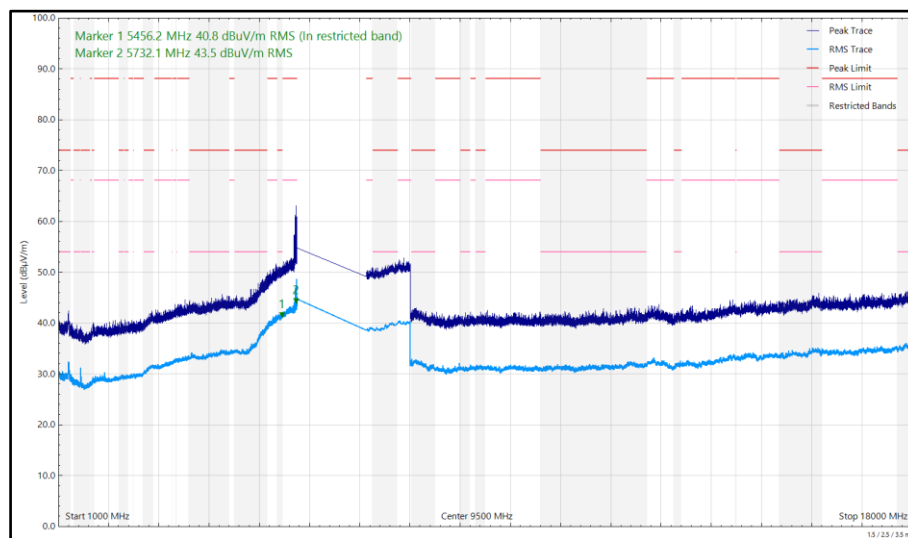


Figure 560 - U-NII-5 - 6025 MHz (CH15), EHT160, RU996+484+242-96P, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

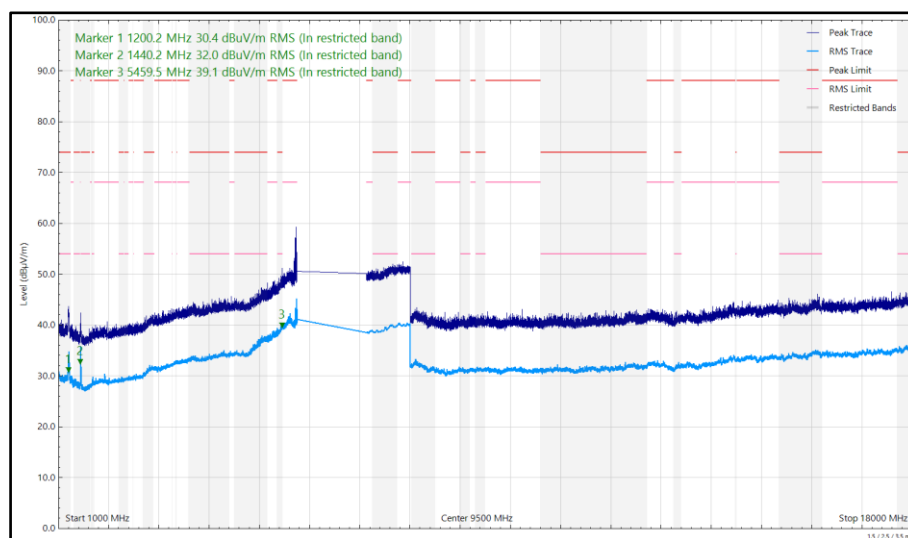


Figure 561 - U-NII-5 - 6025 MHz (CH15), EHT160, RU996+484+242-96P, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.098	31.75	54.00	-22.25	RMS	296	104	Vertical
1440.016	33.12	54.00	-20.88	RMS	156	202	Vertical
5390.136	41.16	54.00	-12.84	RMS	191	136	Horizontal
5458.041	39.27	54.00	-14.73	RMS	27	137	Vertical

Table 877 - U-NII-6 - 6505 MHz (CH111), EHT160, RU52+26-80S, CDD, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

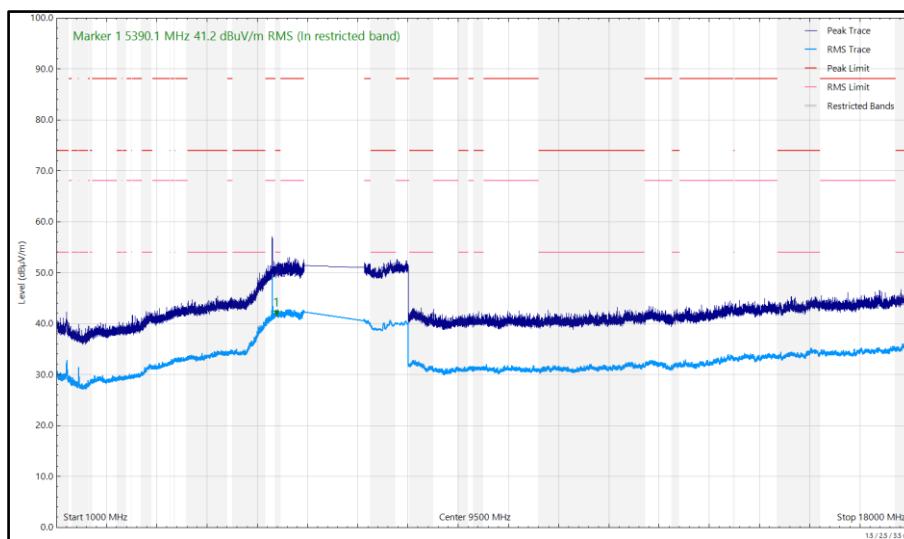


Figure 562 - U-NII-6 - 6505 MHz (CH111), EHT160, RU52+26-80S, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

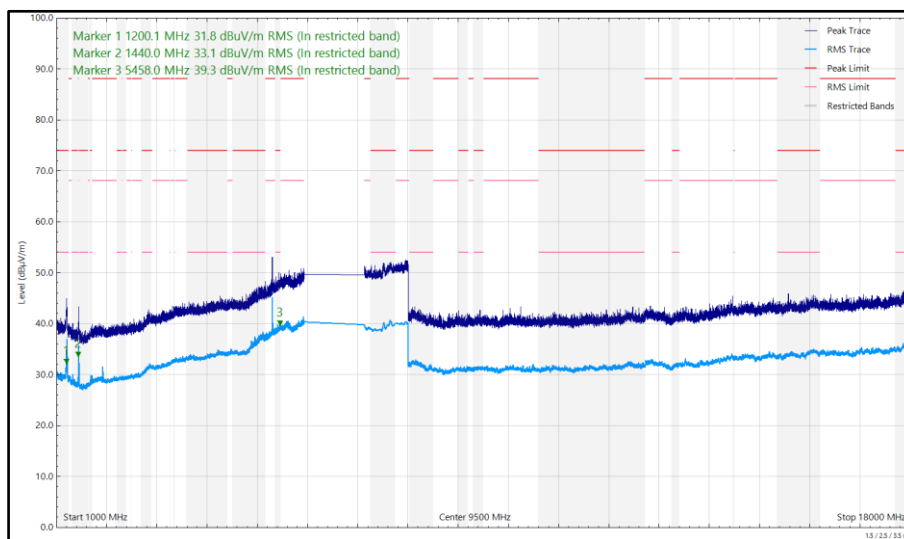


Figure 563 - U-NII-6 - 6505 MHz (CH111), EHT160, RU52+26-80S, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

FCC 47 CFR Part 15, Limit Clause 15.407(b)(5) and 15.209



Emissions not falling within the restricted bands listed in 15.205:

For transmitters operating within the 5.925–7.125 GHz band: Any emissions outside of the 5.925–7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in 15.209.

Emissions within the restricted bands listed in FCC 47 CFR Part 15.205:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$) at 3m	Field Strength Limit ($\text{dB}\mu\text{V/m}$) at 3m
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 878 - Radiated Emissions Limit Table (FCC)

ISED RSS-248, Limit Clause 4.6.2(a) and ISED RSS-GEN, Limit Clause 8.9

Emissions not falling within the restricted bands listed in ISED RSS-GEN, Clause 8.10:

Any emissions outside of the 5925-7125 MHz band shall not exceed –27 dBm/MHz e.i.r.p.

Any emissions below 1000 MHz shall meet the general field strength limits specified in RSS-Gen

Emissions falling within the restricted bands listed in ISED RSS-GEN, Clause 8.10:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$) at 3m	Field Strength Limit ($\text{dB}\mu\text{V/m}$) at 3m
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 879 - Radiated Emissions Limit Table (ISED)



2.6.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14 and RF Chamber 16.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.3	5125	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	04-Sep-2026
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5941	12	23-May-2027
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	TU
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	TU
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	TU
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
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, Chamber16	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
Cable (N-Type to N-Type, 8 m)	Junkosha	MWX221-08000NMSNMS/A	6017	12	12-Sep-2026
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	14-Sep-2026
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



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Digital Multimeter	Fluke	115	6147	12	03-Jun-2027
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6187	24	03-Sep-2026
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6189	24	26-Sep-2026
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6196	12	23-Apr-2027
Attenuator 4dB	Pasternack	PE7074-4	6204	24	13-Mar-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6220	12	23-Apr-2027
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	6323	12	27-Apr-2027
EMC Test Receiver	Rohde & Schwarz	ESW44	6333	12	08-May-2027
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	6456	24	13-Mar-2027
Pre Amp 8 - 18 GHz	Wright Technologies	APS06-0061	6783	12	23-Apr-2027
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	60	22-Sep-2026
1M SMA Cable	Junkosha	MWX221-01000AMSAMS/B	6832	12	18-Aug-2026
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	18-Aug-2026
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	6845	12	06-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6847	12	06-Nov-2026
Humidity & Temperature meter	Fluke	971	7103	12	05-Aug-2026

Table 880

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



2.7 Unwanted Emissions within the 5925-7125 MHz band

2.7.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b) (7)
ISED RSS-248, Clause 4.6.2 (b)
ISED RSS-GEN, Clause 6.13

2.7.2 Equipment Under Test and Modification State

A3590, S/N: F9LJQGN06V - Modification State 0
A3590, S/N: G4F2X9GG6P - Modification State 0

2.7.3 Date of Test

21-May-2026 to 09-September-2026

2.7.4 Test Method

This test was performed in accordance with KDB 987594 D02, clause J.

2.7.5 Environmental Conditions

Ambient Temperature	19.0 - 25.5 °C
Relative Humidity	44.0 - 59.8 %



2.7.6 Test Results

6 GHz WLAN

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a20 LPI	-13.73	6403.050
802.11a40 LPI	-8.10	6016.582
802.11a80 LPI	-9.26	6078.500
802.11a160 LPI	-6.97	6372.000
802.11ax HE20 SU LPI	-14.01	6165.150
802.11ax HE40 SU LPI	-8.30	6052.806
802.11ax HE80 SU LPI	-8.95	6090.000
802.11ax HE160 SU LPI	-6.92	6585.000
802.11ax HE20 RU26 LPI	-11.73	6525.900
802.11ax HE20 RU52 LPI	-11.78	6523.600
802.11be EHT20 RU Size 52 + RU Size 26 LPI	-15.30	6464.500
802.11ax HE20 RU106 LPI	-12.40	6526.200
802.11be EHT20 RU Size 106 + RU Size 26 LPI	-13.31	6886.400
802.11be EHT80 RU Size 484 + RU Size 242 LPI	-8.08	6010.500
802.11be EHT160 RU Size 996 + RU Size 484 LPI (Secondary)	-7.02	6138.000
802.11be EHT160 RU Size 996 + RU Size 484 LPI (Primary)	-6.75	6105.000
802.11be EHT160 RU Size 996 + RU Size 484 + RU Size 242 LPI (Secondary)	-6.18	6301.000
802.11be EHT160 RU Size 996 + RU Size 484 + RU Size 242 LPI (Primary)	-7.27	6100.000

Table 881 - Unwanted Emissions Within the RLAN Band Summary Results SISO (Core 0)

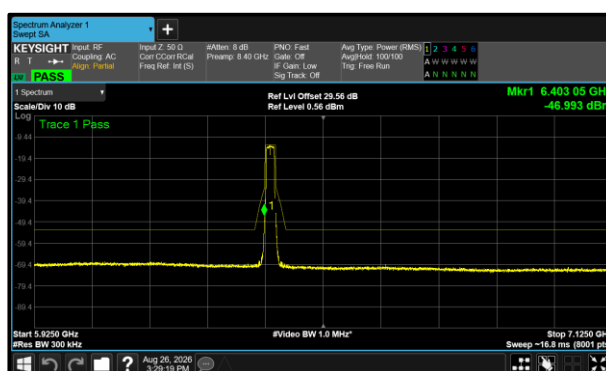


Figure 564 - A(Core 0) 802.11a20 LPI 6415 MHz (CH93)

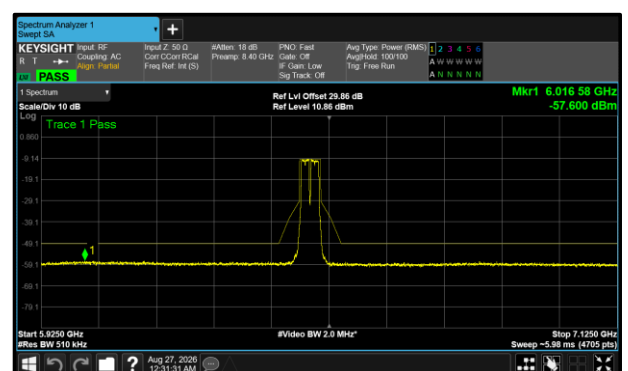


Figure 565 - A(Core 0) 802.11a40 LPI 6485 MHz (CH107)

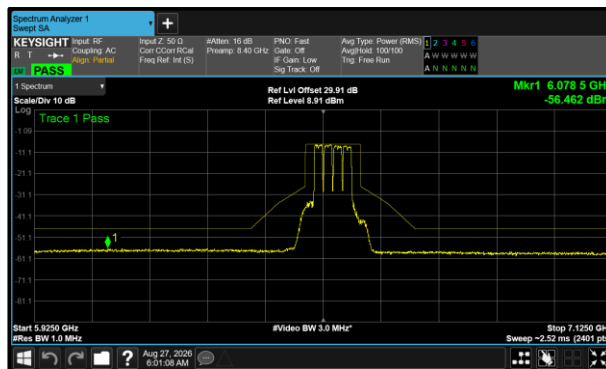


Figure 566 - A(Core 0) 802.11a80 LPI 6545 MHz (CH119)

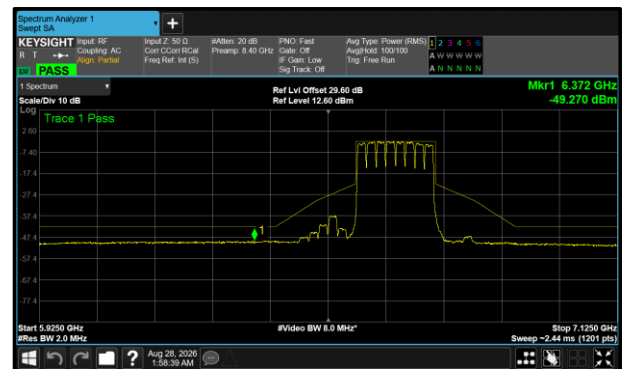


Figure 567 - A(Core 0) 802.11a160 LPI 6665 MHz (CH143)

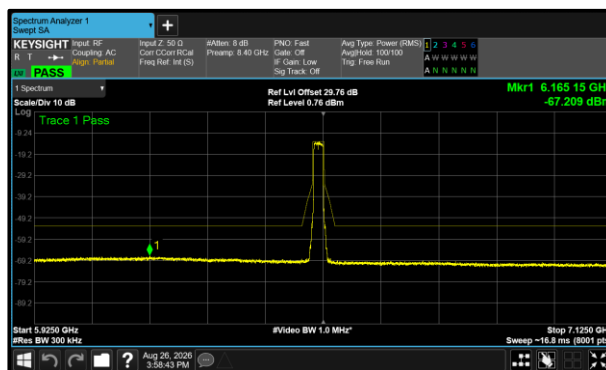


Figure 568 - A(Core 0) 802.11ax HE20 SU LPI 6515 MHz (CH113)

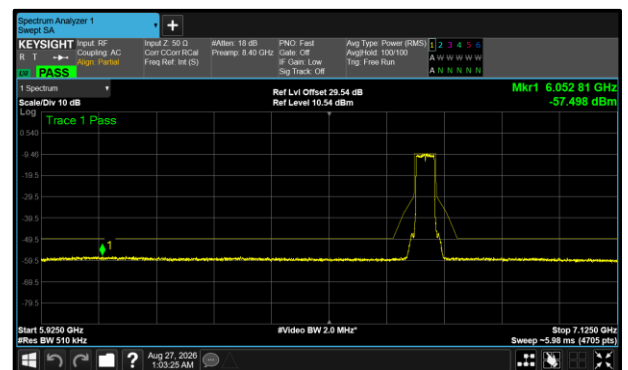


Figure 569 - A(Core 0) 802.11ax HE40 SU LPI 6725 MHz (CH155)

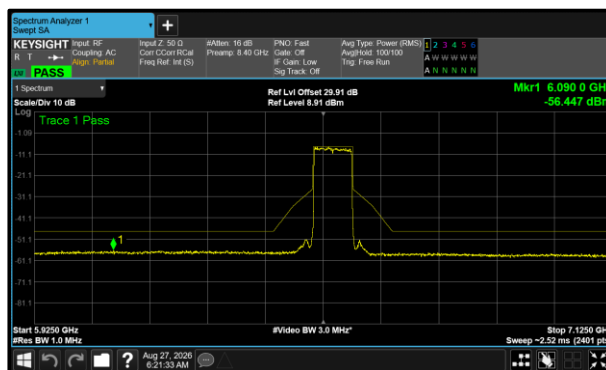


Figure 570 - A(Core 0) 802.11ax HE80 SU LPI 6545 MHz (CH119)

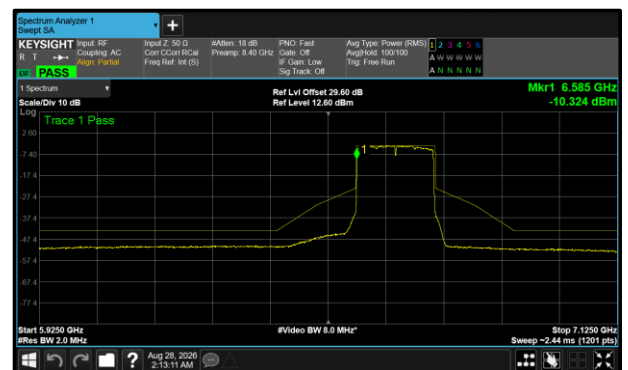


Figure 571 - A(Core 0) 802.11ax HE160 SU LPI 6665 MHz (CH143)

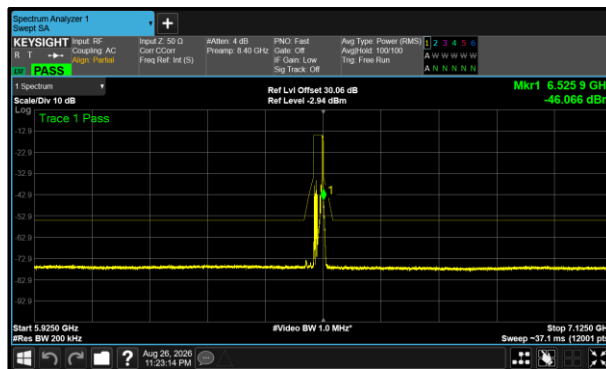


Figure 572 - A(Core 0) 802.11ax HE20 RU26 LPI
6515 MHz (CH113)

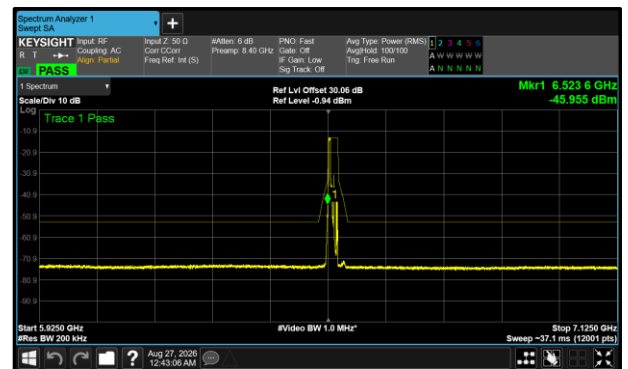


Figure 573 - A(Core 0) 802.11ax HE20 RU52 LPI
6535 MHz (CH117)

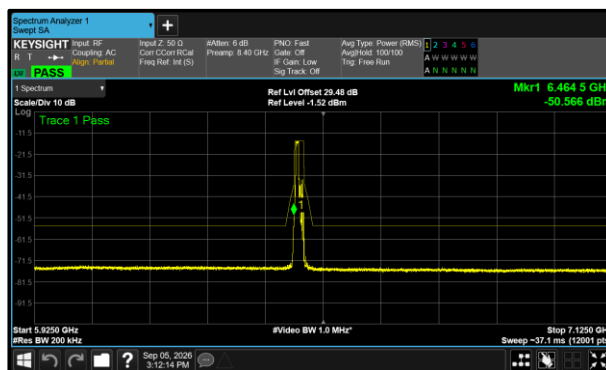


Figure 574 - A(Core 0) 802.11be EHT20 RU Size
52 + RU Size 26 LPI 6475 MHz (CH105)

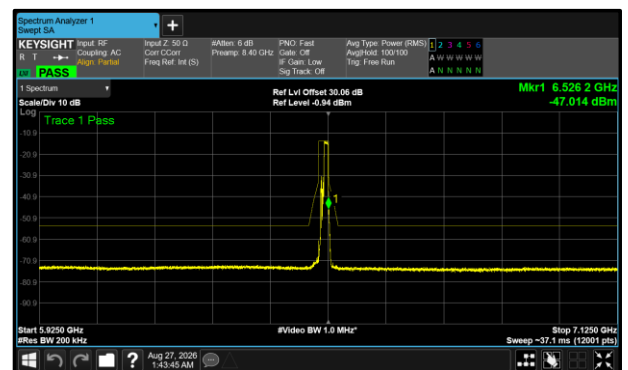


Figure 575 - A(Core 0) 802.11ax HE20 RU106 LPI
6515 MHz (CH113)

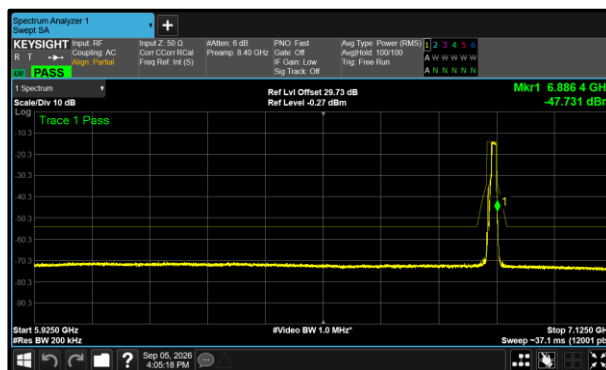


Figure 576 - A(Core 0) 802.11be EHT20 RU Size
106 + RU Size 26 LPI 6875 MHz (CH185)

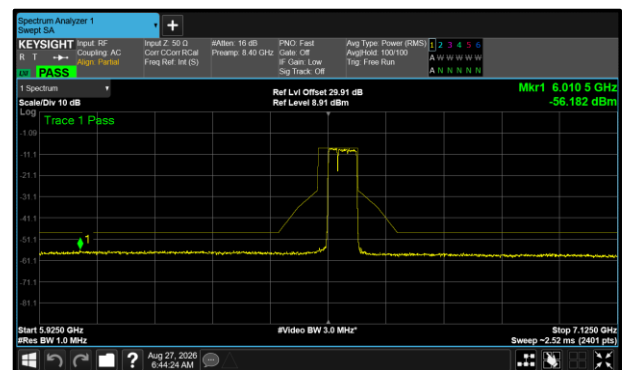


Figure 577 - A(Core 0) 802.11be EHT80 RU Size
484 + RU Size 242 LPI 6545 MHz (CH119)

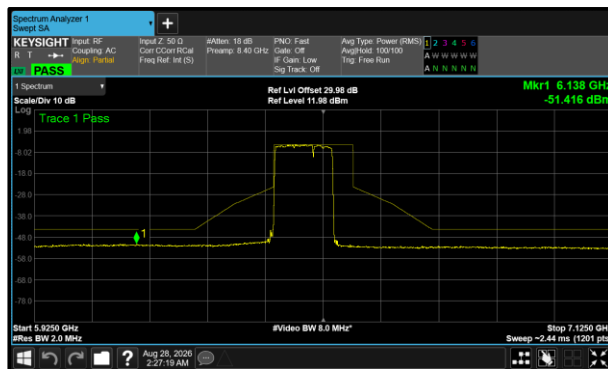


Figure 578 - A(Core 0) 802.11be EHT160 RU Size 996 + RU Size 484 LPI (Secondary) 6505 MHz (CH111)

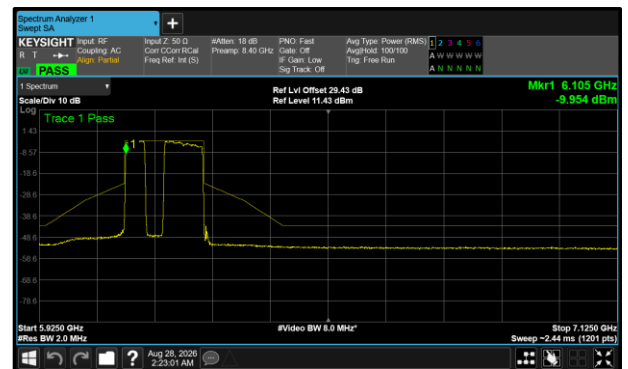


Figure 579 - A(Core 0) 802.11be EHT160 RU Size 996 + RU Size 484 LPI (Primary) 6185 MHz (CH47)

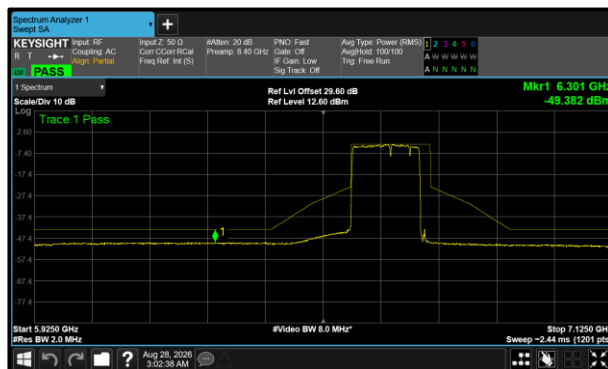


Figure 580 - A(Core 0) 802.11be EHT160 RU Size 996 + RU Size 484 + RU Size 242 LPI (Secondary) 6665 MHz (CH143)

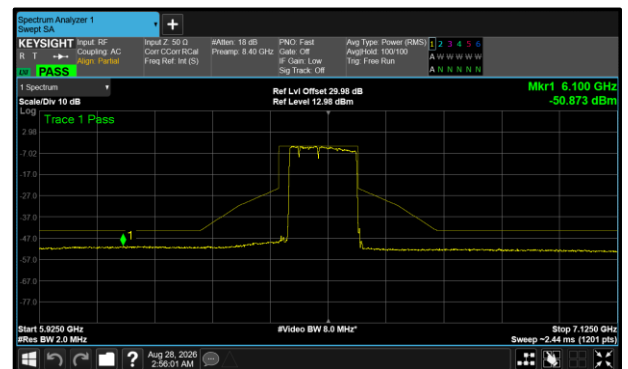


Figure 581 - A(Core 0) 802.11be EHT160 RU Size 996 + RU Size 484 + RU Size 242 LPI (Primary) 6505 MHz (CH111)



Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a20 SP	-13.96	6446.850
802.11a40 SP	-9.04	6482.908
802.11a80 SP	-9.73	6258.000
802.11a160 SP	-3.46	5971.000
802.11ax HE20 SU SP	-15.01	6501.000
802.11ax HE40 SU SP	-9.46	6614.541
802.11ax HE80 SU SP	-7.13	6419.500
802.11ax HE160 SU SP	-5.92	6402.000
802.11ax HE20 RU26 SP	-11.82	6524.000
802.11ax HE20 RU52 SP	-11.26	6163.900
802.11be EHT20 RU Size 52 + RU Size 26 SP	-14.74	6525.500
802.11ax HE20 RU106 SP	-12.66	6463.600
802.11be EHT20 RU Size 106 + RU Size 26 SP	-11.48	6426.300
802.11be EHT80 RU Size 484 + RU Size 242 SP	-9.32	6582.000
802.11be EHT160 RU Size 996 + RU Size 484 SP (Secondary)	-7.54	6132.000
802.11be EHT160 RU Size 996 + RU Size 484 SP (Primary)	-7.90	6113.000
802.11be EHT160 RU Size 996 + RU Size 484 + RU Size 242 SP (Primary)	-6.51	6097.000
802.11be EHT160 RU Size 996 + RU Size 484 + RU Size 242 SP (Secondary)	-7.27	6255.000

Table 882 - Unwanted Emissions Within the RLAN Band Summary Results SISO (Core 0)

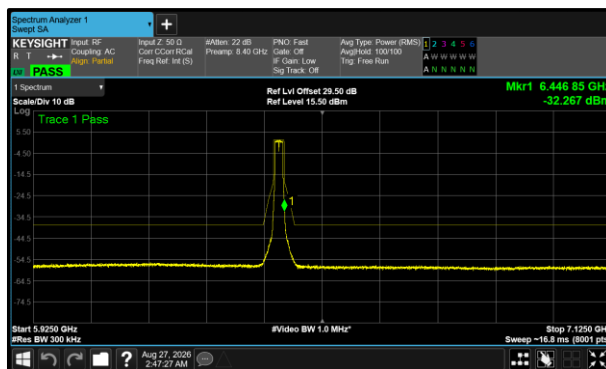


Figure 582 - A(Core 0) 802.11a20 SP 6435 MHz (CH97)

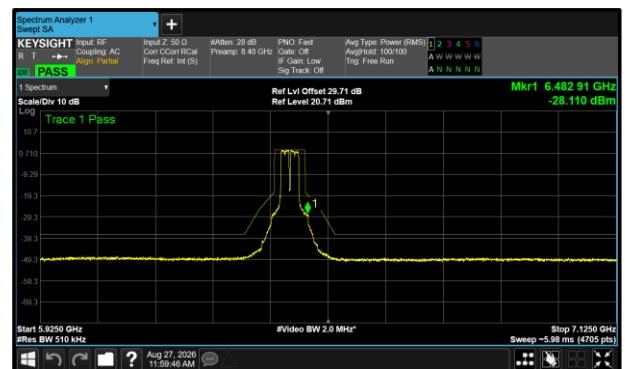


Figure 583 - A(Core 0) 802.11a40 SP 6445 MHz (CH99)

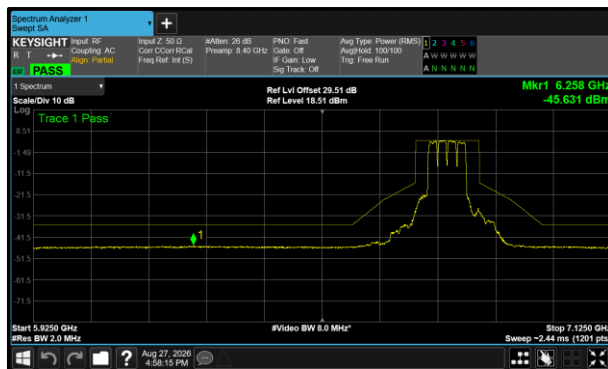


Figure 584 - A(Core 0) 802.11a80 SP 6785 MHz (CH167)

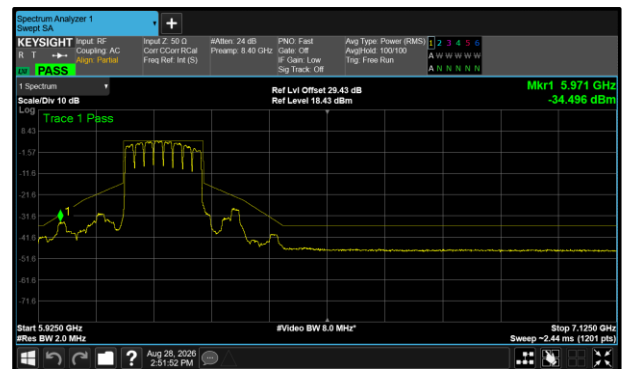


Figure 585 - A(Core 0) 802.11a160 SP 6185 MHz (CH47)

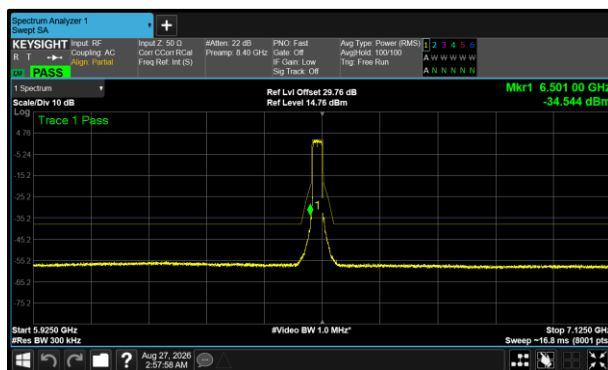


Figure 586 - A(Core 0) 802.11ax HE20 SU SP 6515 MHz (CH113)

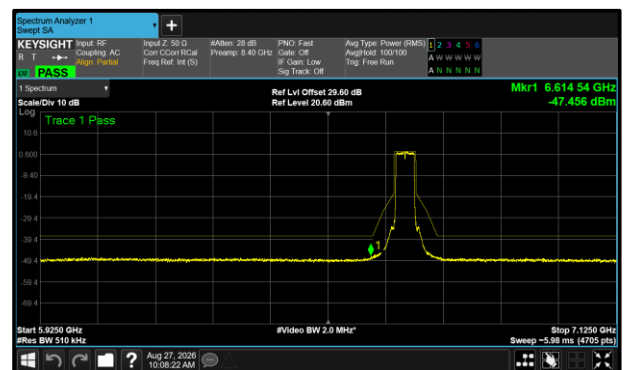


Figure 587 - A(Core 0) 802.11ax HE40 SU SP 6685 MHz (CH147)

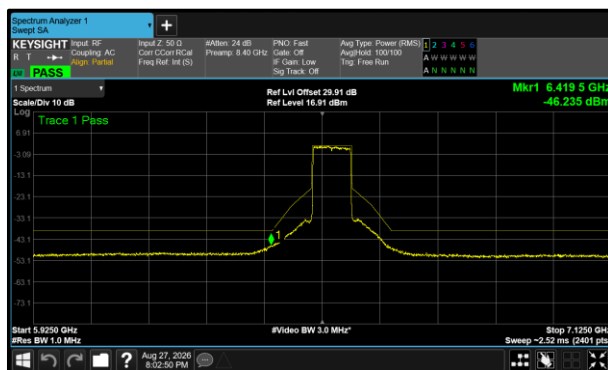


Figure 588 - A(Core 0) 802.11ax HE80 SU SP 6545 MHz (CH119)

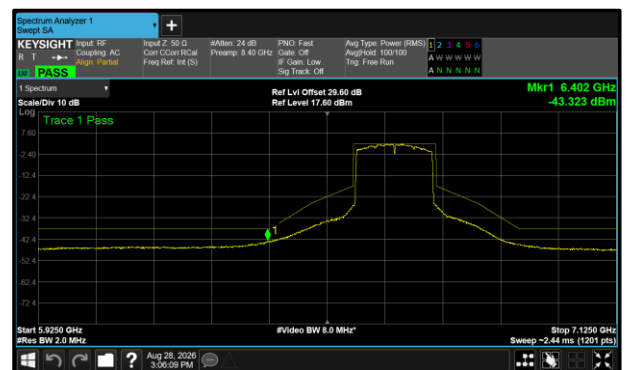


Figure 589 - A(Core 0) 802.11ax HE160 SU SP 6665 MHz (CH143)

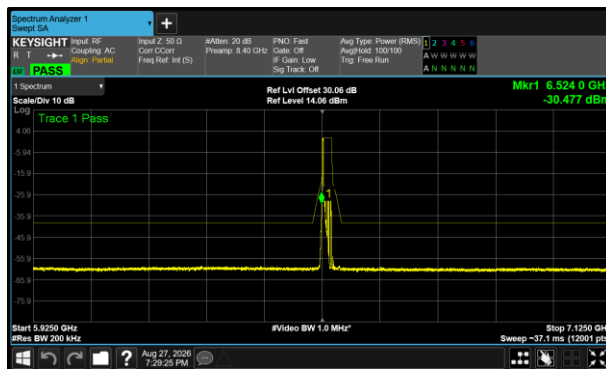


Figure 590 - A(Core 0) 802.11ax HE20 RU26 SP
6535 MHz (CH17)

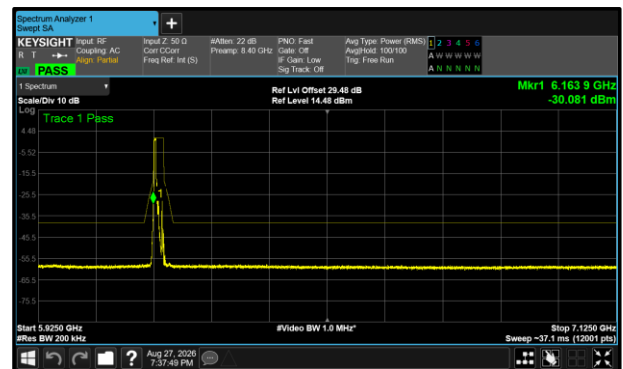


Figure 591 - A(Core 0) 802.11ax HE20 RU52 SP
6175 MHz (CH45)

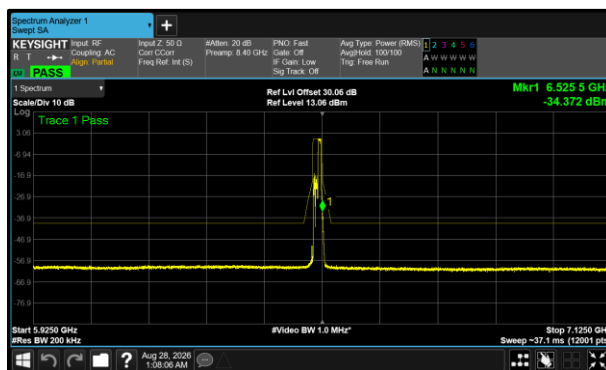


Figure 592 - A(Core 0) 802.11be EHT20 RU Size
52 + RU Size 26 SP 6515 MHz (CH13)

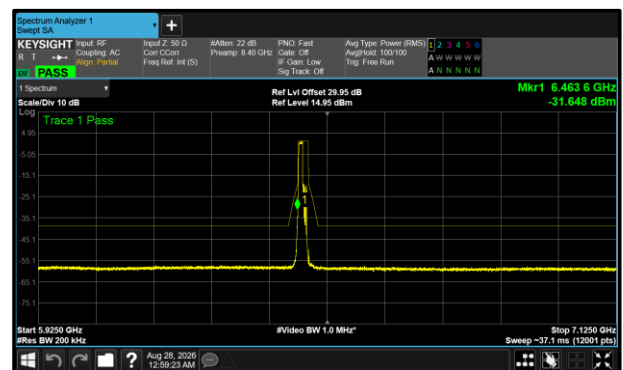


Figure 593 - A(Core 0) 802.11ax HE20 RU106 SP
6475 MHz (CH105)

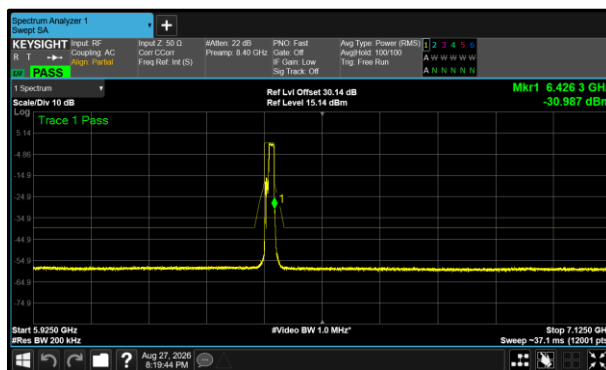


Figure 594 - A(Core 0) 802.11be EHT20 RU Size
106 + RU Size 26 SP 6415 MHz (CH93)

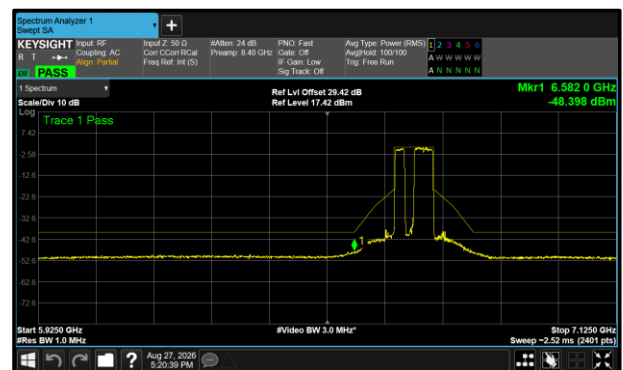


Figure 595 - A(Core 0) 802.11be EHT80 RU Size
484 + RU Size 242 SP 6705 MHz (CH151)

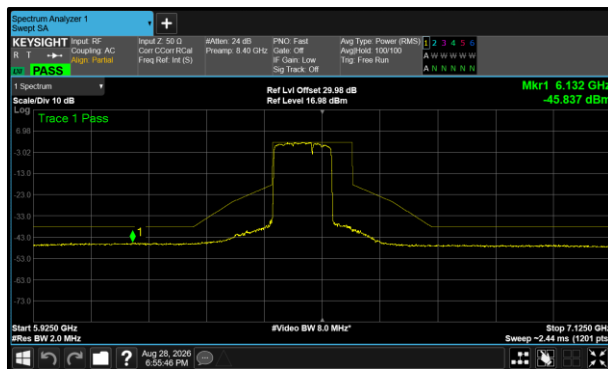


Figure 596 - A(Core 0) 802.11be EHT160 RU Size 996 + RU Size 484 SP (Secondary) 6505 MHz (CH111)

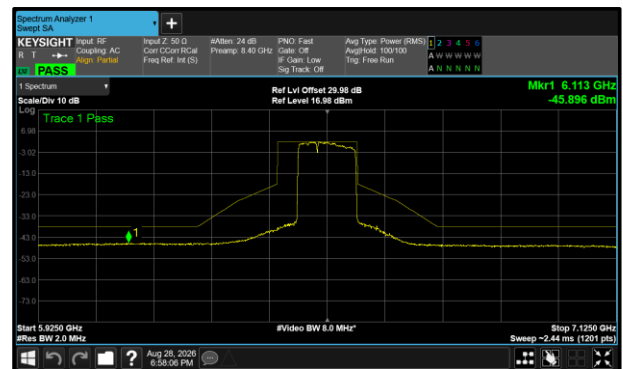


Figure 597 - A(Core 0) 802.11be EHT160 RU Size 996 + RU Size 484 SP (Primary) 6505 MHz (CH111)

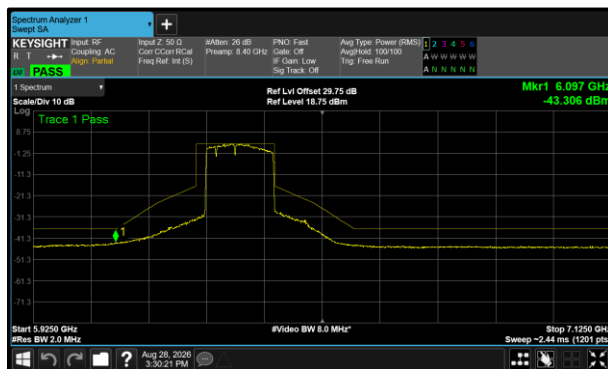


Figure 598 - A(Core 0) 802.11be EHT160 RU Size 996 + RU Size 484 + RU Size 242 SP (Primary) 6345 MHz (CH79)

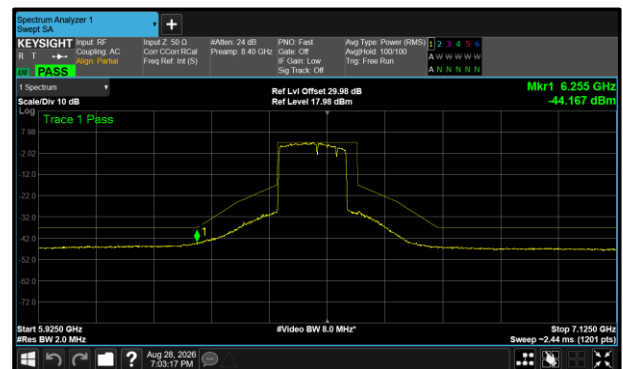


Figure 599 - A(Core 0) 802.11be EHT160 RU Size 996 + RU Size 484 + RU Size 242 SP (Secondary) 6505 MHz (CH111)