



40 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11ax HE40	MCS 11x1	SU	-	5965	5925	82.47	65.55
802.11ax HE40	MCS 11x1	106	56	5965	5925	58.70	45.85
802.11ax HE40	MCS 2x1	SU	-	7085	7125	57.96	46.69
802.11ax HE40	MCS 11x1	106	53	7085	7125	59.40	46.41

Table 312 - SISO Authorised Band Edge Results

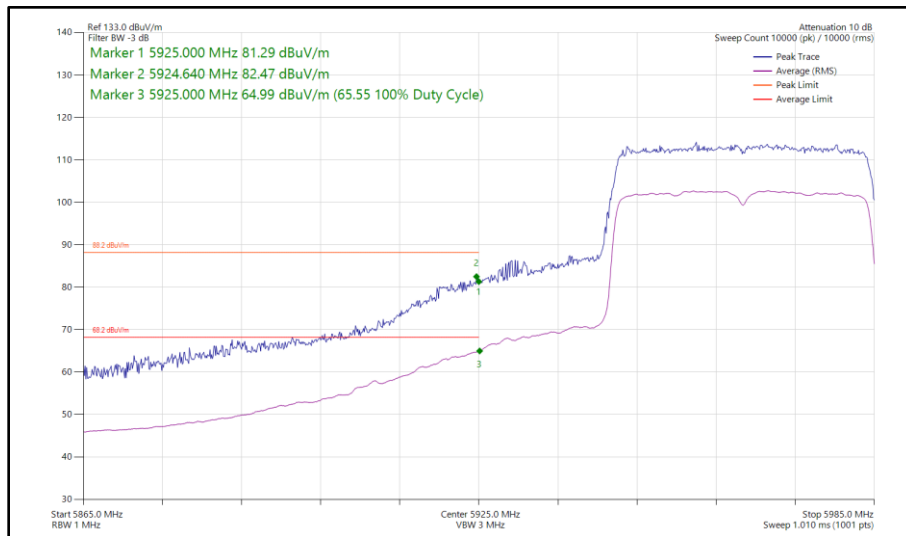


Figure 212 - 802.11ax HE40, SU, SISO, Core 0 - 5965 MHz
 Band Edge Frequency 5925 MHz

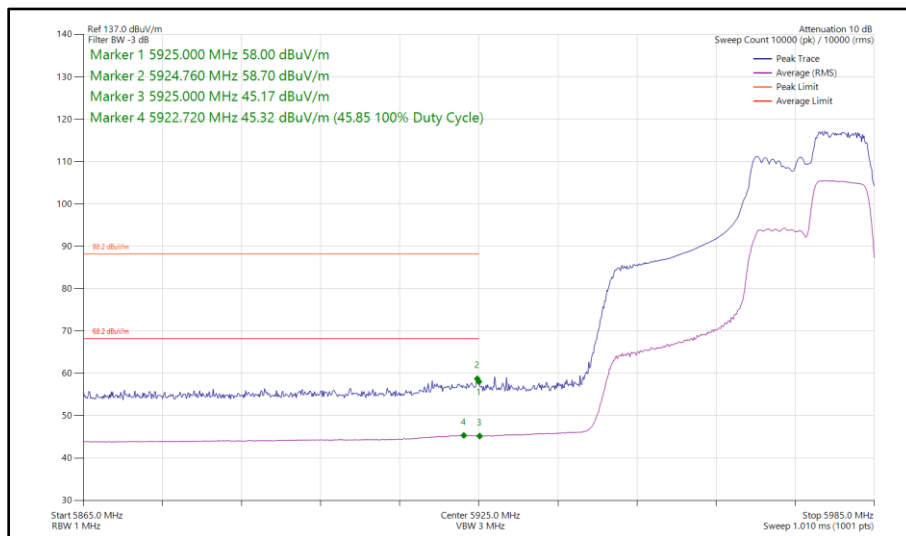
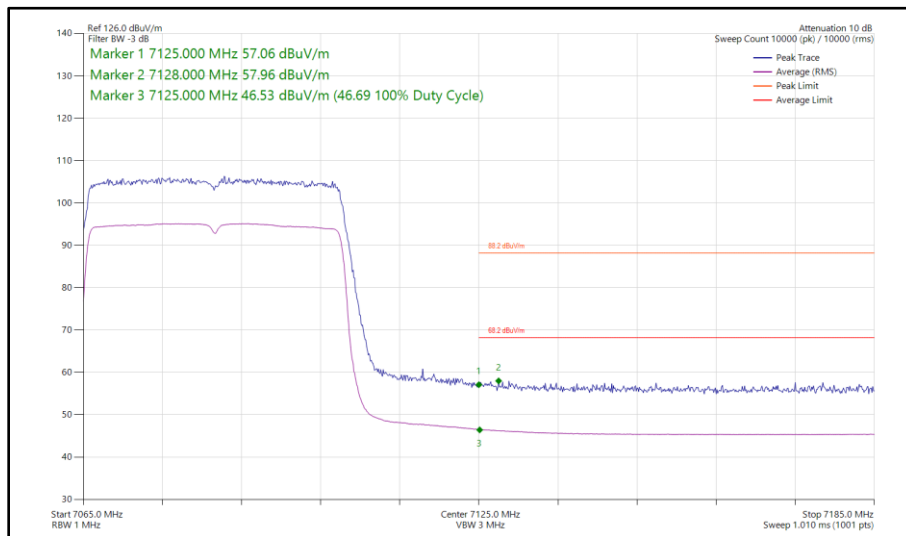
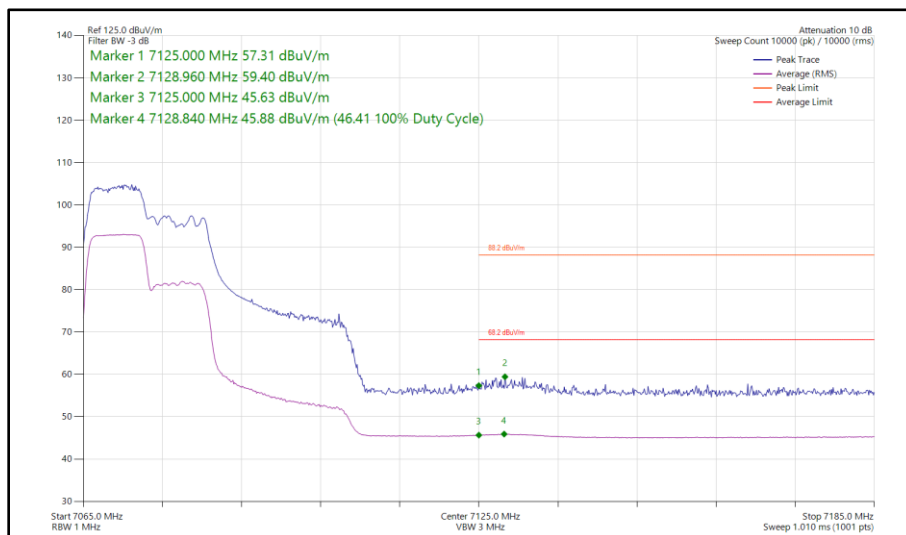


Figure 213 - 802.11ax HE40, RU 106-56, SISO, Core 0 - 5965 MHz
 Band Edge Frequency 5925 MHz



**Figure 214 - 802.11ax HE40, SU, SISO, Core 0 - 7085 MHz
Band Edge Frequency 7125 MHz**



**Figure 215 - 802.11ax HE40, RU 106-53, SISO, Core 0 - 7085 MHz
Band Edge Frequency 7125 MHz**



40 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11ax HE40	MCS 4x1	SU	-	5965	5925	82.34	65.60
802.11ax HE40	MCS 11x1	106	56	5965	5925	59.50	46.37
802.11ax HE40	MCS 4x1	SU	-	7085	7125	58.23	47.00
802.11ax HE40	MCS 11x1	106	53	7085	7125	60.33	46.71

Table 313 - SISO Authorised Band Edge Results

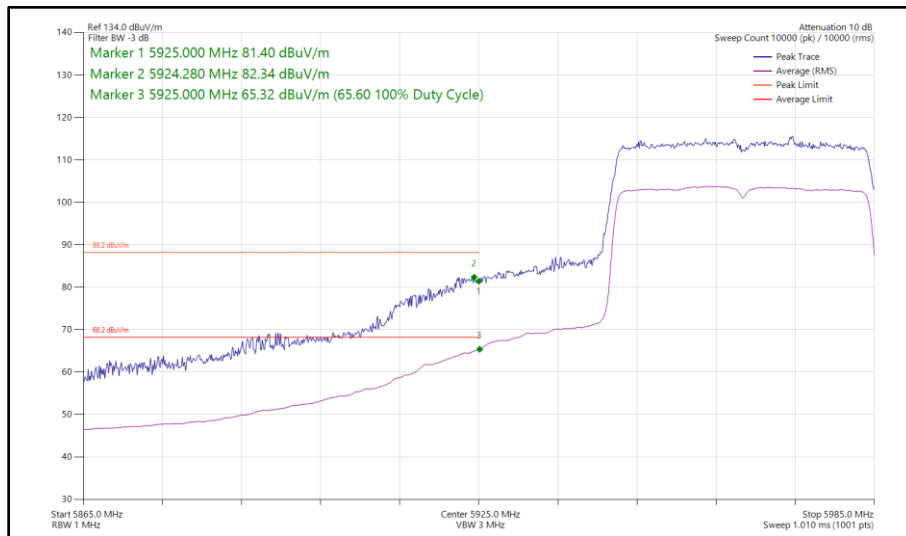


Figure 216 - 802.11ax HE40, SU, SISO, Core 1 - 5965 MHz
 Band Edge Frequency 5925 MHz

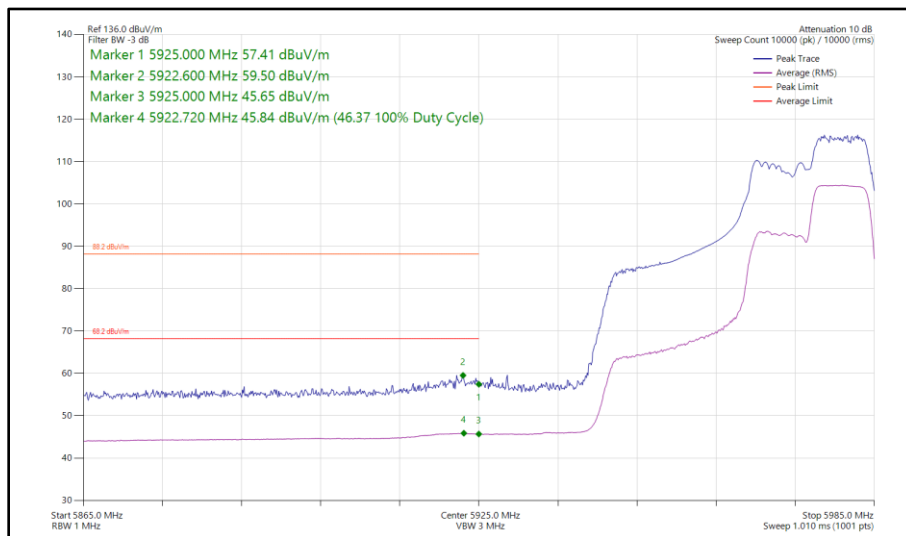
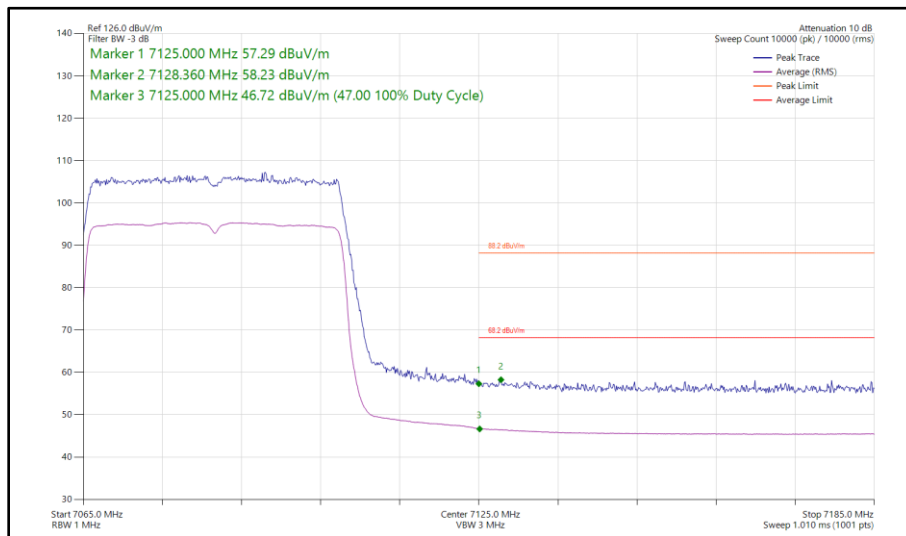
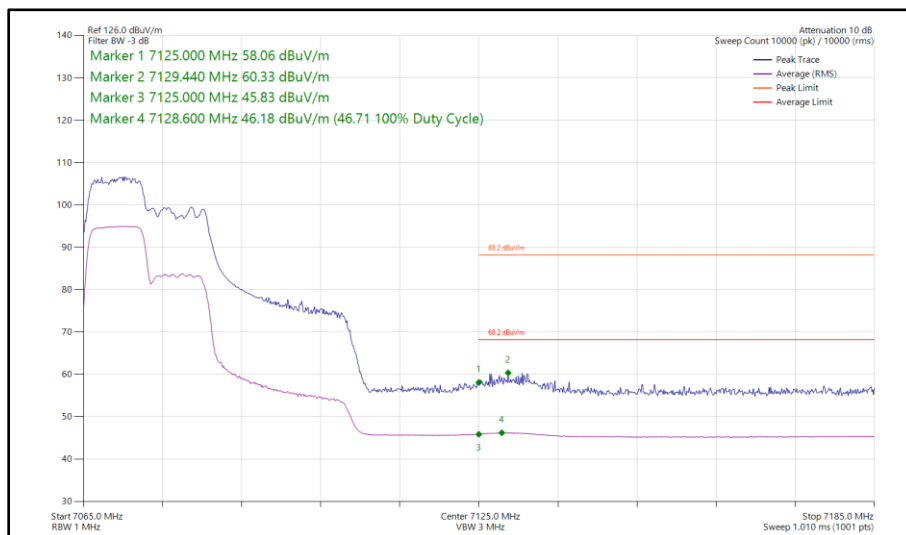


Figure 217 - 802.11ax HE40, RU 106-56, SISO, Core 1 - 5965 MHz
 Band Edge Frequency 5925 MHz



**Figure 218 - 802.11ax HE40, SU, SISO, Core 1 - 7085 MHz
Band Edge Frequency 7125 MHz**



**Figure 219 - 802.11ax HE40, RU 106-53, SISO, Core 1 - 7085 MHz
Band Edge Frequency 7125 MHz**



40 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)	Average Level (dBμV/m)
802.11ax HE40	MCS 11x1	SU	-	5965	5925	81.85	65.64
802.11ax HE40	MCS 11x1	106	56	5965	5925	56.81	44.92
802.11ax HE40	MCS 11x1	SU	-	7085	7125	57.86	46.05
802.11ax HE40	MCS 11x1	106	53	7085	7125	57.63	45.92

Table 314 - CDD Authorised Band Edge Results

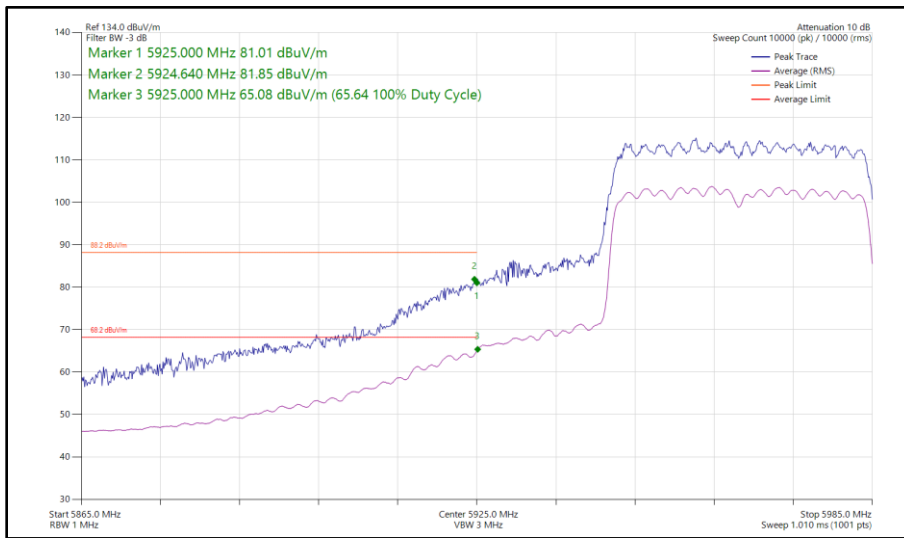


Figure 220 - 802.11ax HE40, SU, CDD, Core 0 - Core 1 - 5965 MHz Band Edge Frequency 5925 MHz

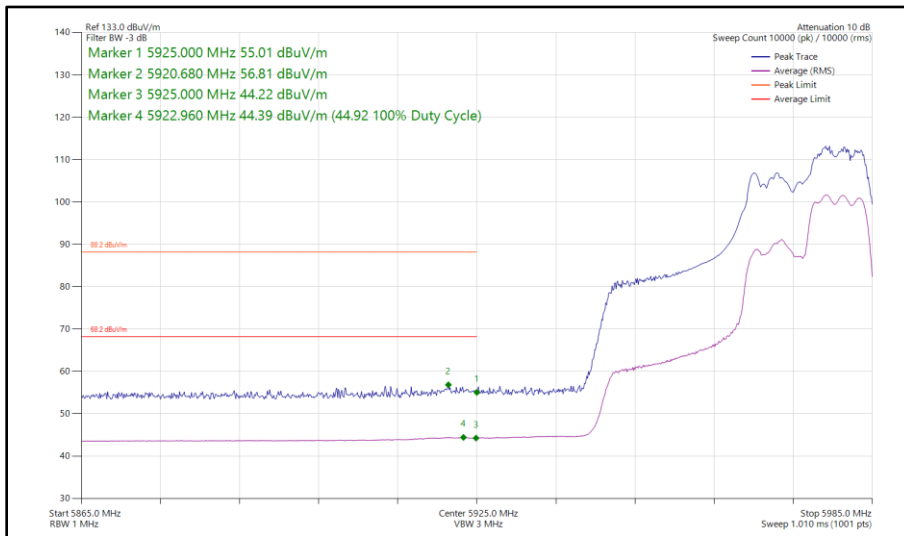
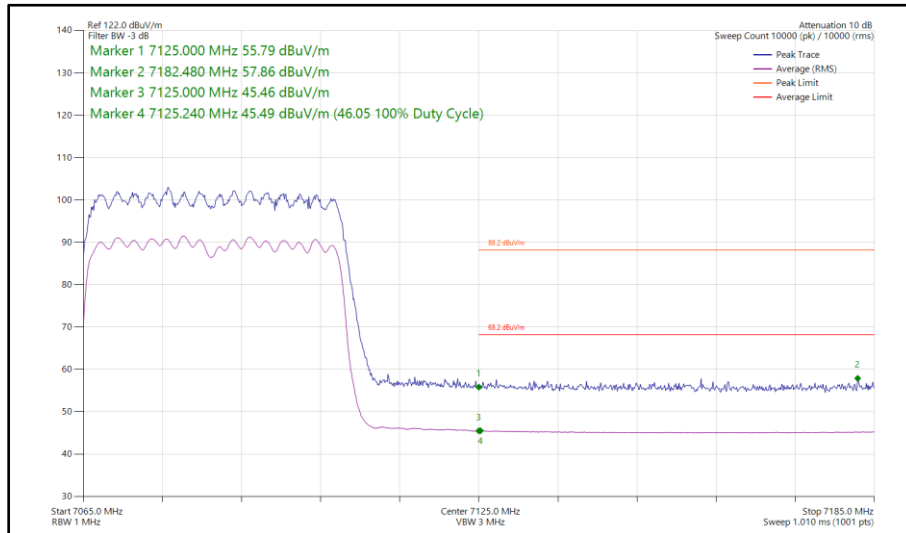
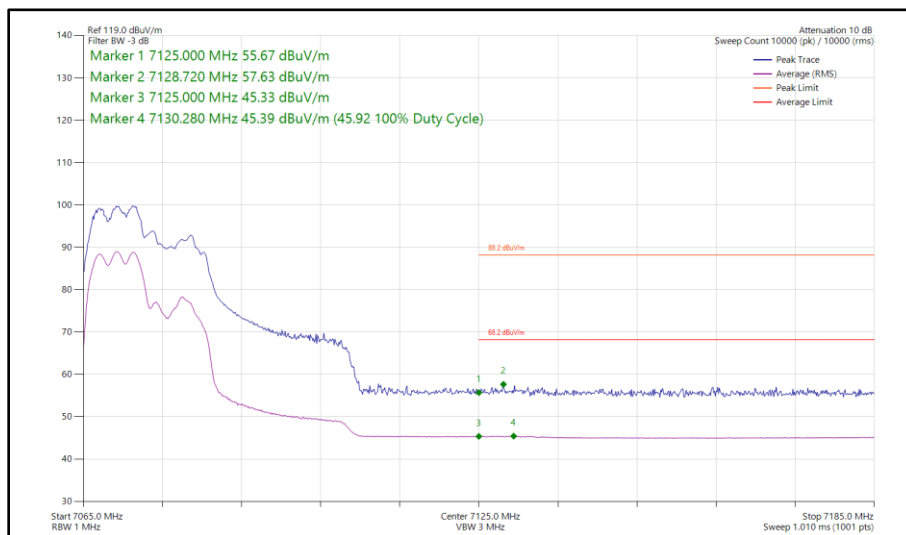


Figure 221 - 802.11ax HE40, RU 106-56, CDD, Core 0 - Core 1 - 5965 MHz Band Edge Frequency 5925 MHz



**Figure 222 - 802.11ax HE40, SU, CDD, Core 0 - Core 1 - 7085 MHz
Band Edge Frequency 7125 MHz**



**Figure 223 - 802.11ax HE40, RU 106-53, CDD, Core 0 - Core 1 - 7085 MHz
Band Edge Frequency 7125 MHz**



40 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)	Average Level (dBμV/m)
802.11ax HE40	MCS 2x2	SU	-	5965	5925	78.73	65.65
802.11ax HE40	MCS 11x2	106	56	5965	5925	58.50	46.01
802.11ax HE40	MCS 11x2	SU	-	7085	7125	57.77	46.72
802.11ax HE40	MCS 11x2	106	53	7085	7125	59.60	46.39

Table 315 - SDM Authorised Band Edge Results

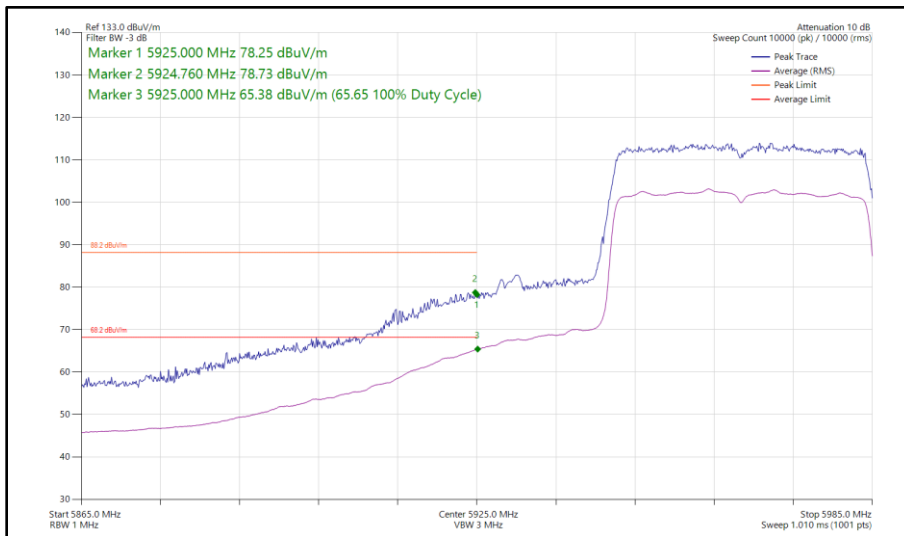


Figure 224 - 802.11ax HE40, SU, SDM, Core 0 - Core 1 - 5965 MHz Band Edge Frequency 5925 MHz

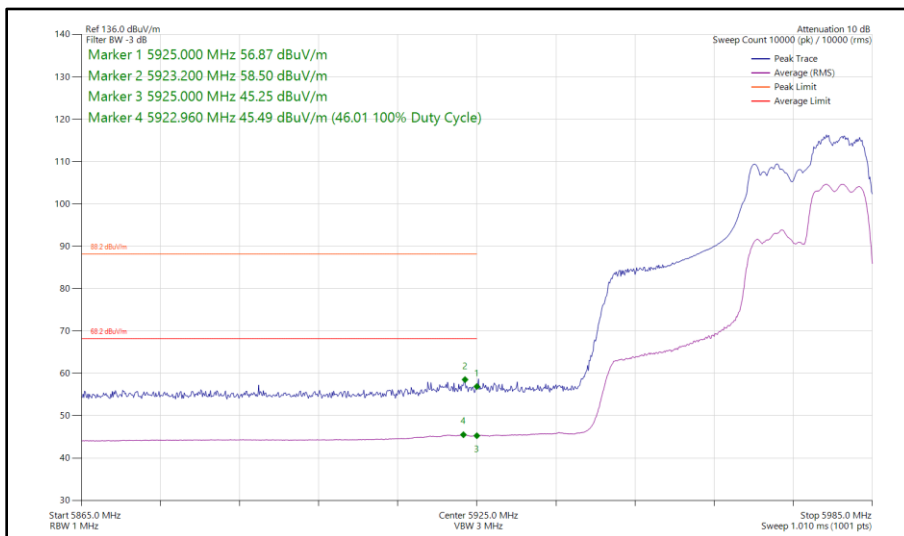


Figure 225 - 802.11ax HE40, RU 106-56, SDM, Core 0 - Core 1 - 5965 MHz Band Edge Frequency 5925 MHz

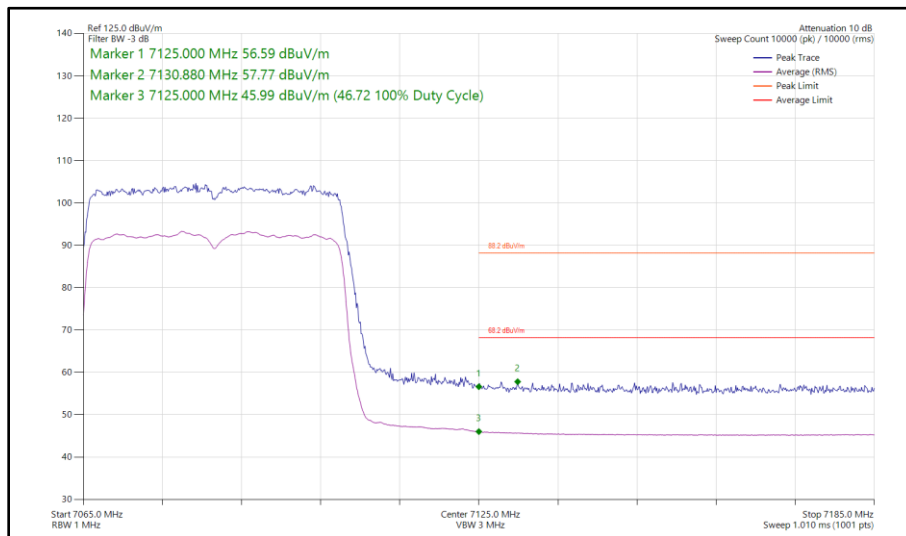


Figure 226 - 802.11ax HE40, SU, SDM, Core 0 - Core 1 - 7085 MHz Band Edge Frequency 7125 MHz

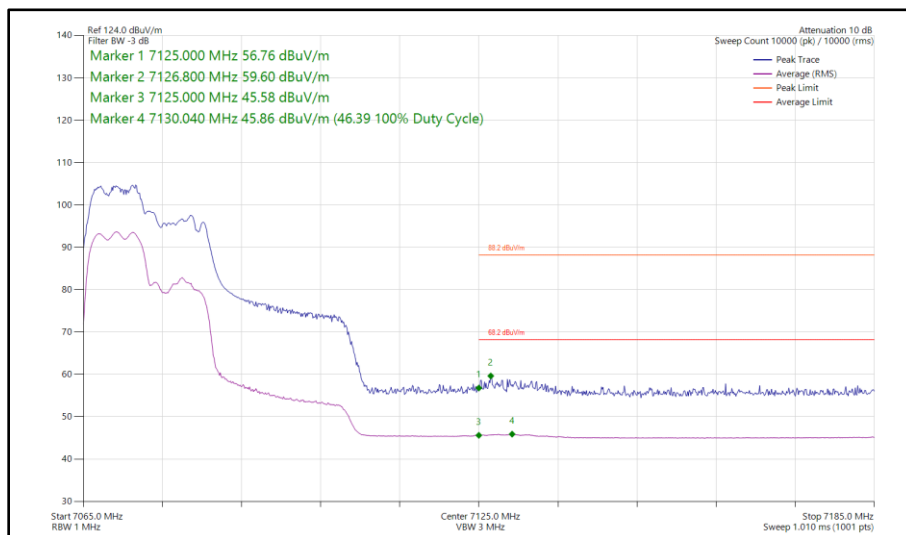


Figure 227 - 802.11ax HE40, RU 106-53, SDM, Core 0 - Core 1 - 7085 MHz Band Edge Frequency 7125 MHz



40 MHz Bandwidth - Core 0 - Core 1 (TxBF)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
802.11ax HE40	MCS 11x1	SU	-	5965	5925	81.52	61.23
802.11ax HE40	MCS 2x1	SU	-	7085	7125	57.64	46.02

Table 316 - TxBF Authorised Band Edge Results

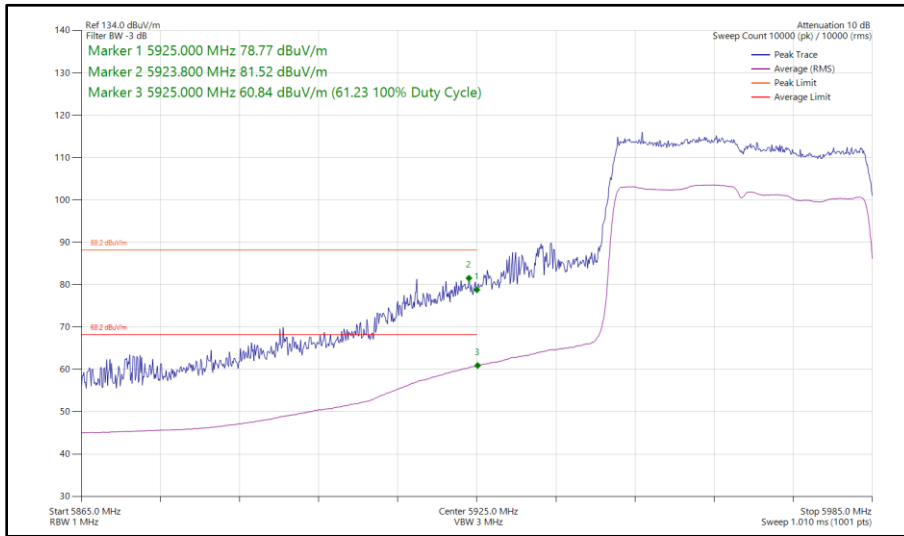


Figure 228 - 802.11ax HE40, SU, TxBF, Core 0 - Core 1 - 5965 MHz
 Band Edge Frequency 5925 MHz

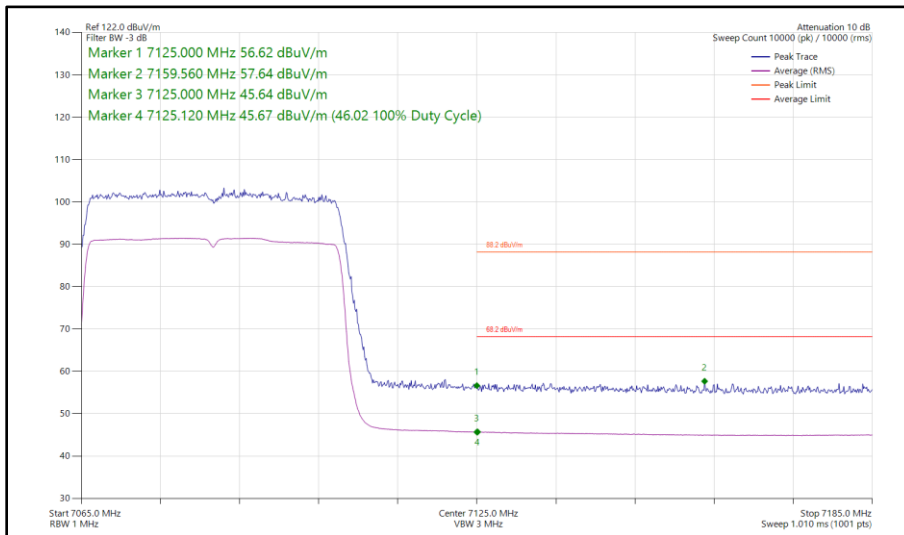


Figure 229 - 802.11ax HE40, SU, TxBF, Core 0 - Core 1 - 7085 MHz
 Band Edge Frequency 7125 MHz



80 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11ax HE80	MCS 4x1	SU	-	5985	5925	80.00	65.61
802.11ax HE80	MCS 11x1	106	53	5985	5925	58.95	45.80
802.11ax HE80	MCS 11x1	SU	-	7025	7125	58.62	46.40
802.11ax HE80	MCS 11x1	106	53	7025	7125	58.76	46.27

Table 317 - SISO Authorised Band Edge Results

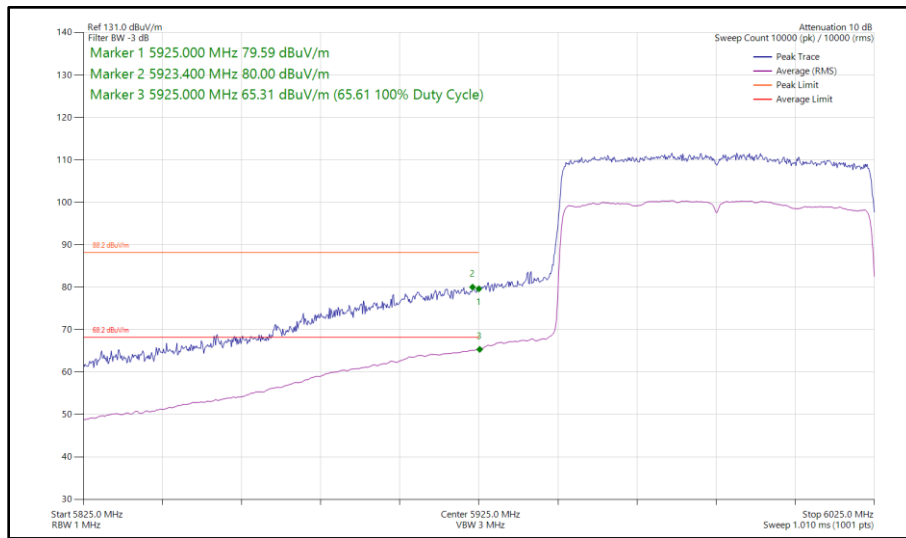


Figure 230 - 802.11ax HE80, SU, SISO, Core 0 - 5985 MHz
 Band Edge Frequency 5925 MHz

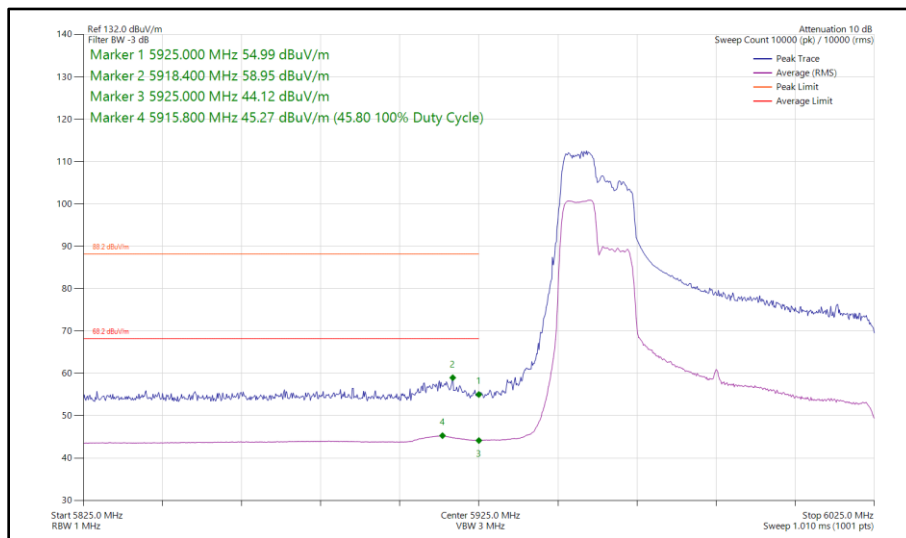
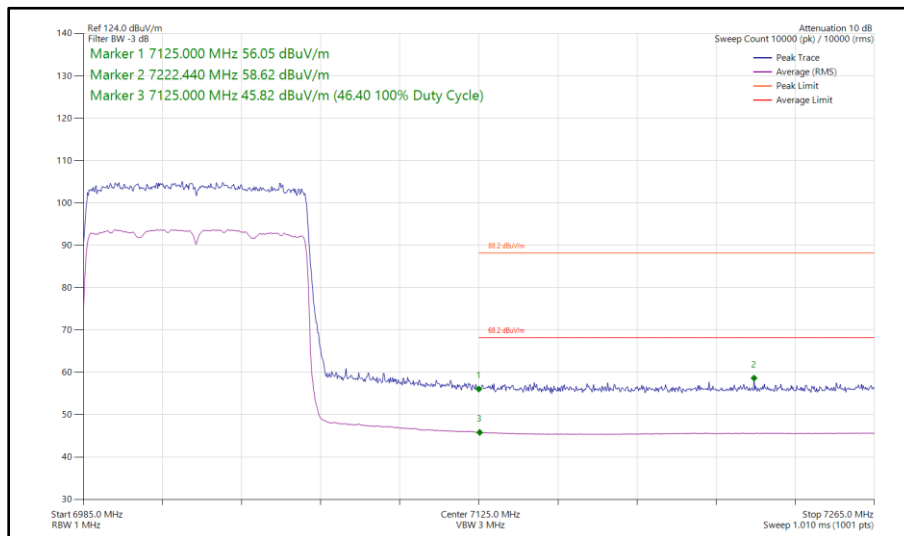
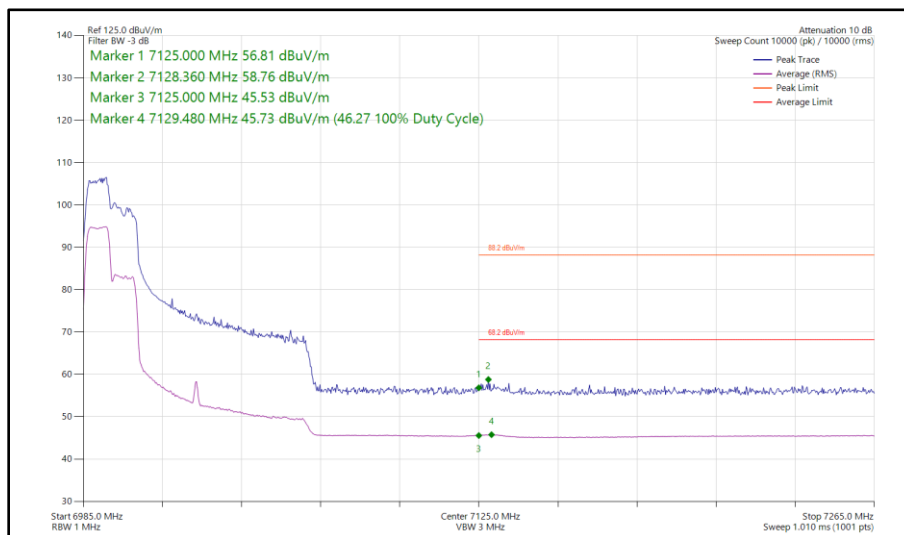


Figure 231 - 802.11ax HE80, RU 106-53, SISO, Core 0 - 5985 MHz
 Band Edge Frequency 5925 MHz



**Figure 232 - 802.11ax HE80, SU, SISO, Core 0 - 7025 MHz
Band Edge Frequency 7125 MHz**



**Figure 233 - 802.11ax HE80, RU 106-53, SISO, Core 0 - 7025 MHz
Band Edge Frequency 7125 MHz**



80 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
802.11ax HE80	MCS 2x1	SU	-	5985	5925	78.24	65.20
802.11ax HE80	MCS 11x1	106	53	5985	5925	57.98	45.56
802.11ax HE80	MCS 11x1	SU	-	7025	7125	57.85	46.78
802.11ax HE80	MCS 11x1	106	53	7025	7125	59.41	46.42

Table 318 - SISO Authorised Band Edge Results

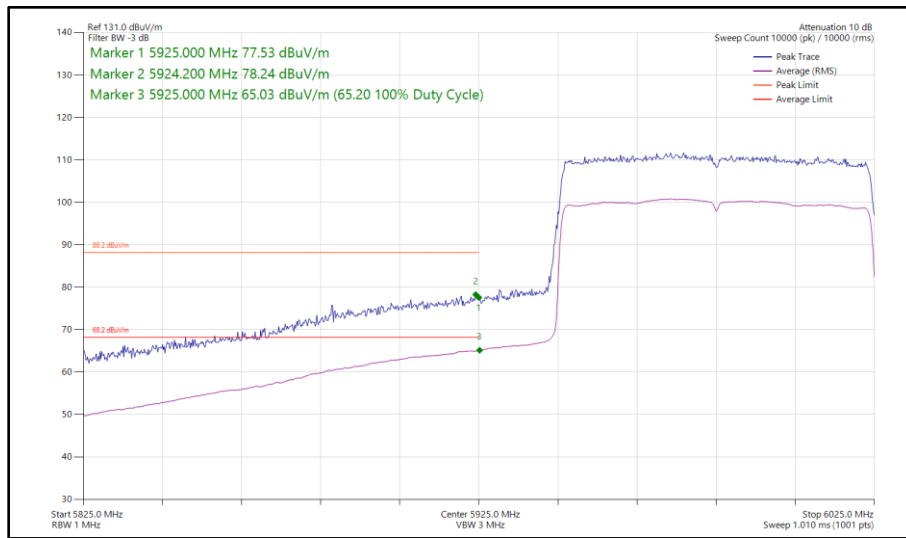


Figure 234 - 802.11ax HE80, SU, SISO, Core 1 - 5985 MHz
 Band Edge Frequency 5925 MHz

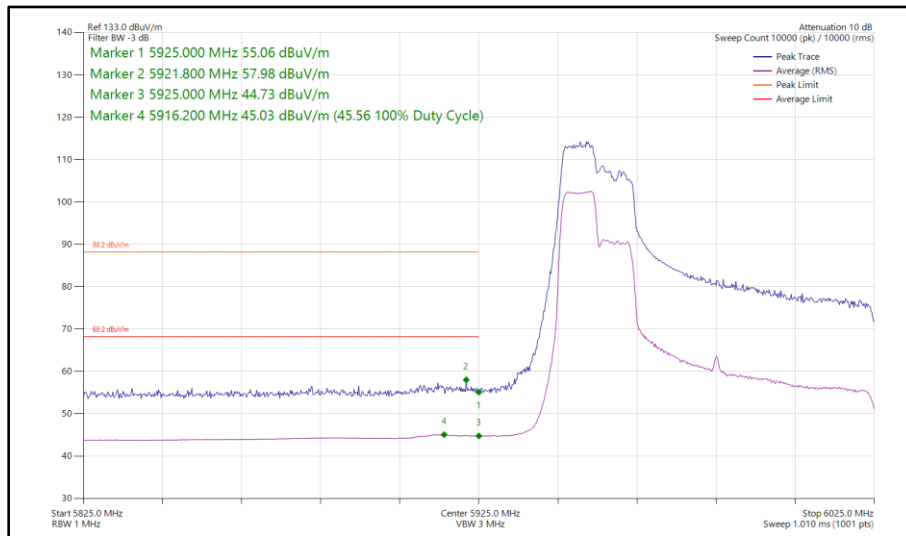
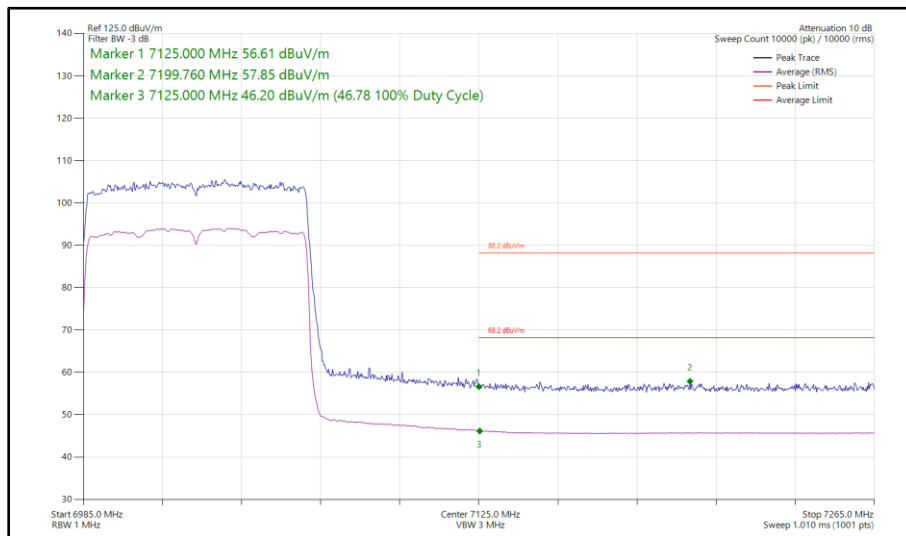
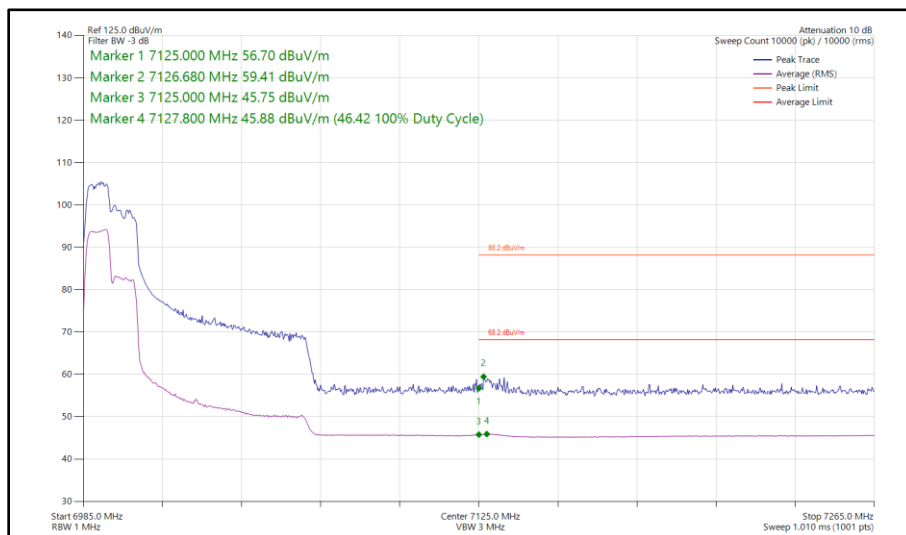


Figure 235 - 802.11ax HE80, RU 106-53, SISO, Core 1 - 5985 MHz
 Band Edge Frequency 5925 MHz



**Figure 236 - 802.11ax HE80, SU, SISO, Core 1 - 7025 MHz
Band Edge Frequency 7125 MHz**



**Figure 237 - 802.11ax HE80, RU 106-53, SISO, Core 1 - 7025 MHz
Band Edge Frequency 7125 MHz**



80 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)	Average Level (dBμV/m)
802.11ax HE80	MCS 2x1	SU	-	5985	5925	78.19	65.60
802.11ax HE80	MCS 11x1	106	53	5985	5925	59.02	46.30
802.11ax HE80	MCS 11x1	SU	-	7025	7125	57.47	46.06
802.11ax HE80	MCS 11x1	106	60	7025	7125	57.69	45.96

Table 319 - CDD Authorised Band Edge Results

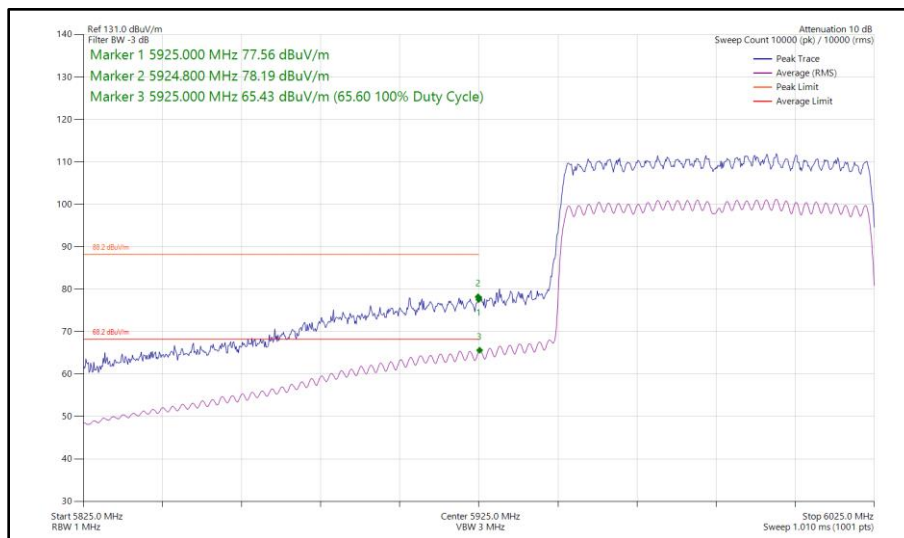


Figure 238 - 802.11ax HE80, SU, CDD, Core 0 - Core 1 - 5985 MHz Band Edge Frequency 5925 MHz

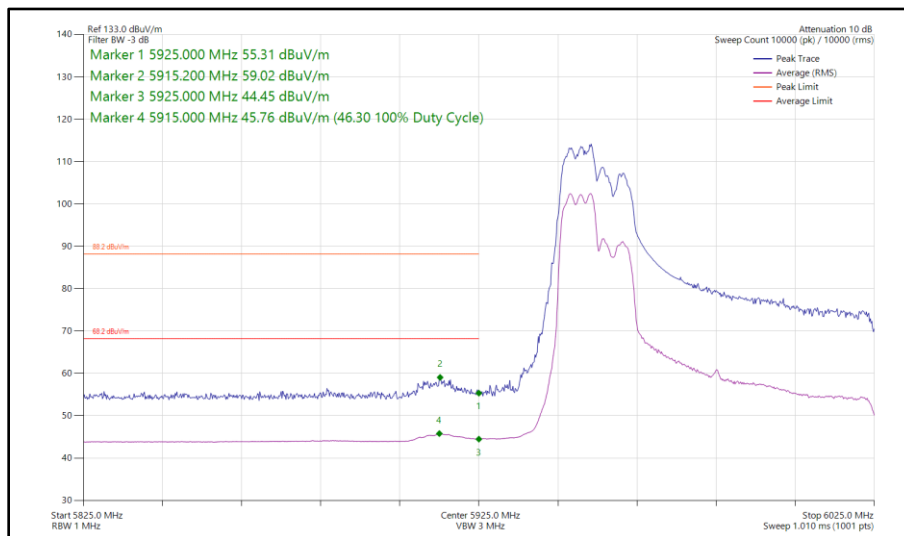
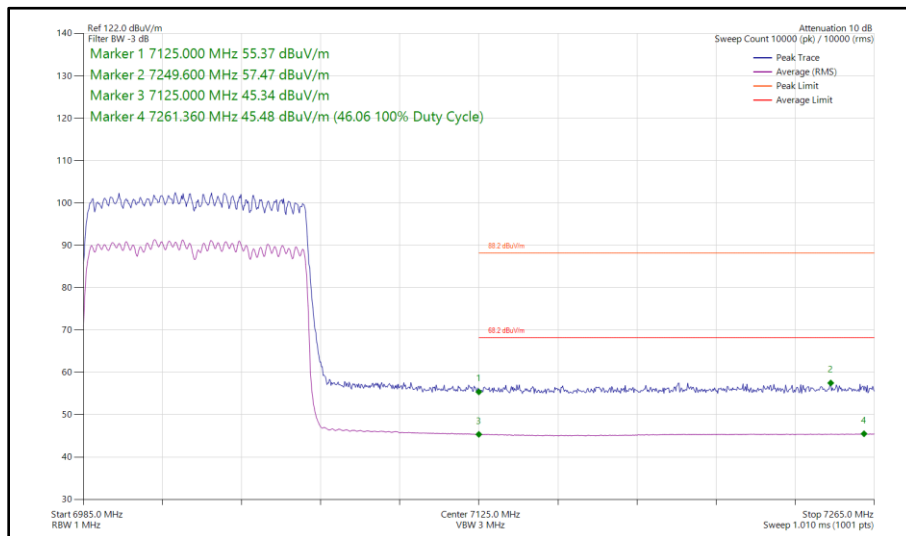
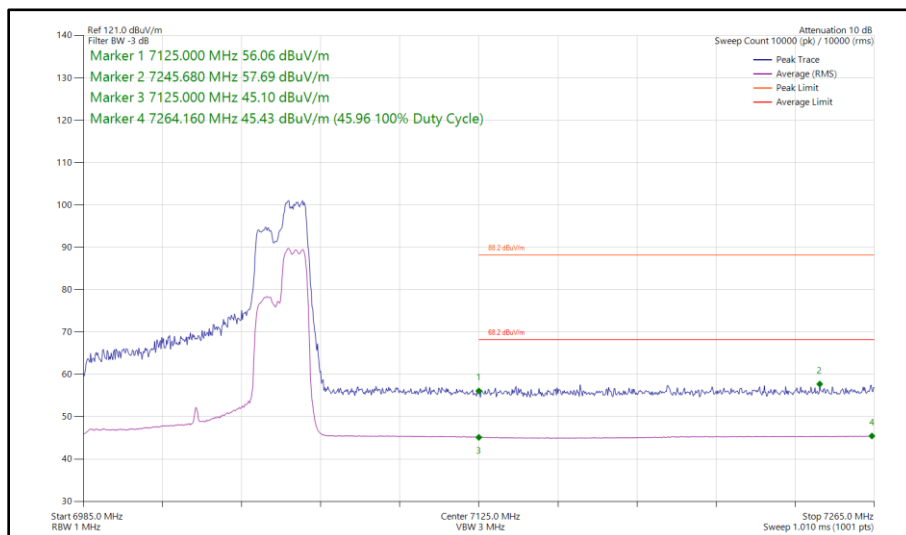


Figure 239 - 802.11ax HE80, RU 106-53, CDD, Core 0 - Core 1 - 5985 MHz Band Edge Frequency 5925 MHz



**Figure 240 - 802.11ax HE80, SU, CDD, Core 0 - Core 1 - 7025 MHz
Band Edge Frequency 7125 MHz**



**Figure 241 - 802.11ax HE80, RU 106-60, CDD, Core 0 - Core 1 - 7025 MHz
Band Edge Frequency 7125 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)	Average Level (dBμV/m)
802.11ax HE80	MCS 11x2	SU	-	5985	5925	81.53	65.69
802.11ax HE80	MCS 11x2	106	53	5985	5925	59.67	45.95
802.11ax HE80	MCS 11x2	SU	-	7025	7125	57.75	46.43
802.11ax HE80	MCS 11x2	106	53	7025	7125	58.01	46.10

Table 320 - SDM Authorised Band Edge Results

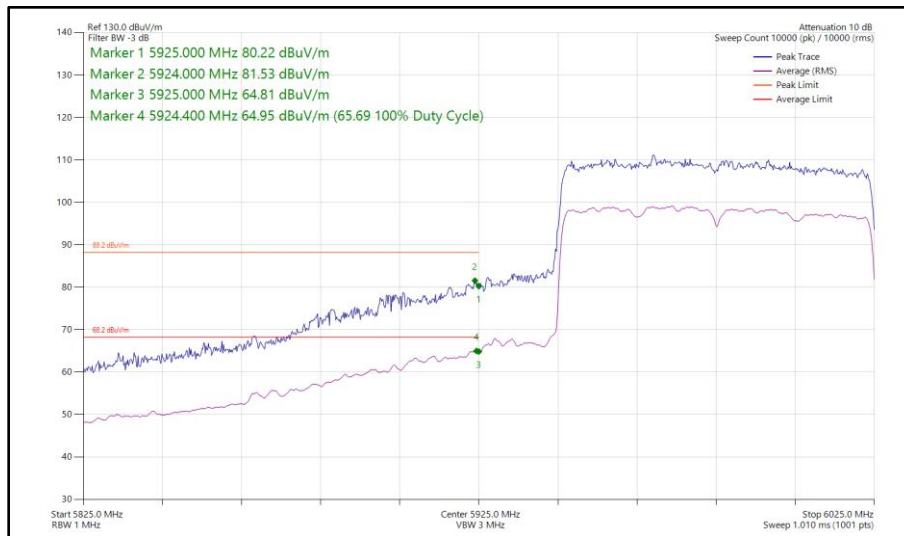


Figure 242 - 802.11ax HE80, SU, SDM, Core 0 - Core 1 - 5985 MHz
 Band Edge Frequency 5925 MHz

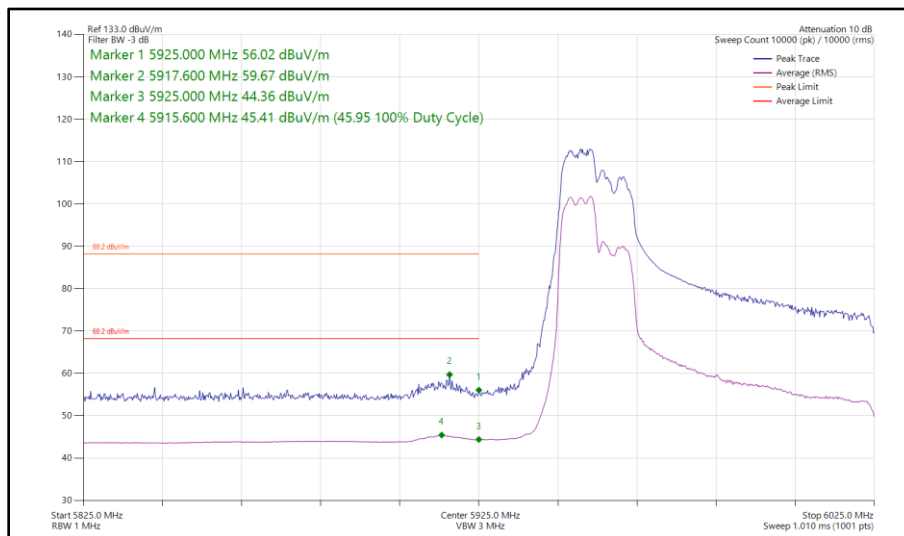
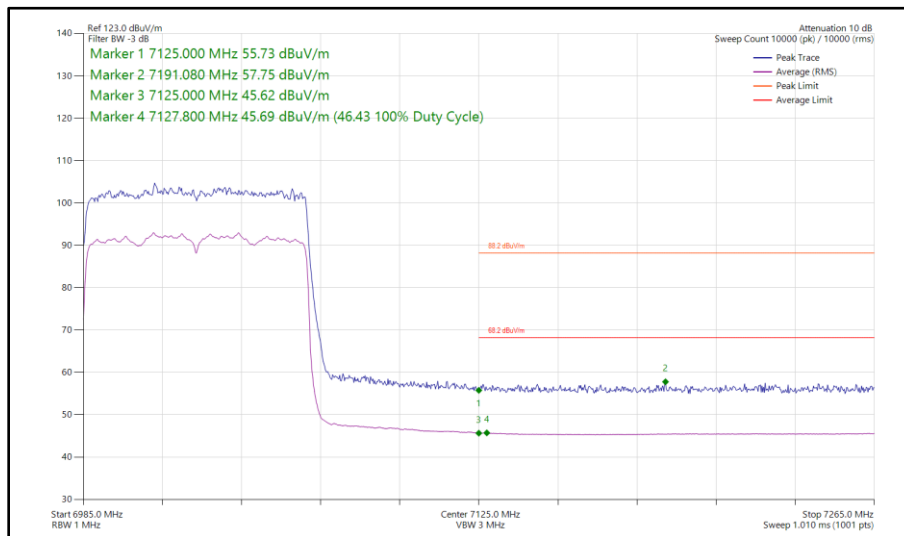
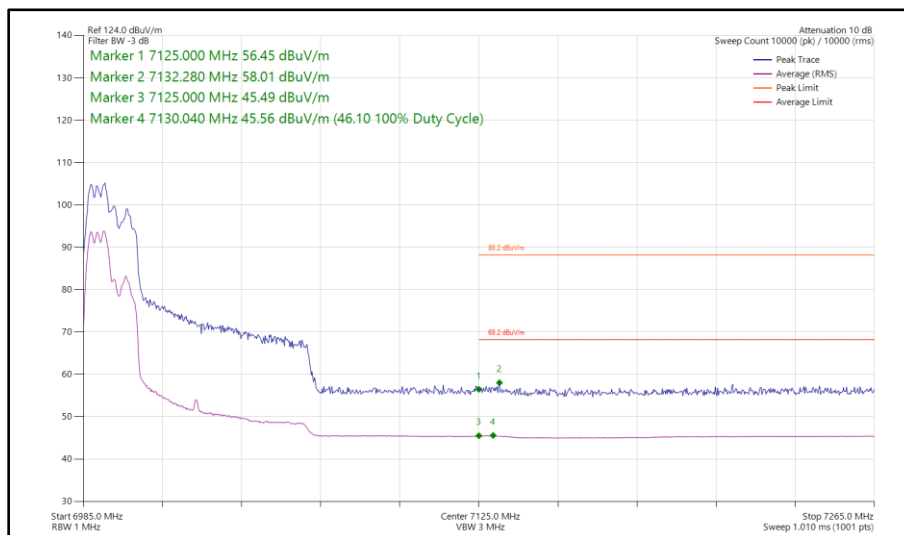


Figure 243 - 802.11ax HE80, RU 106-53, SDM, Core 0 - Core 1 - 5985 MHz
 Band Edge Frequency 5925 MHz



**Figure 244 - 802.11ax HE80, SU, SDM, Core 0 - Core 1 - 7025 MHz
Band Edge Frequency 7125 MHz**



**Figure 245 - 802.11ax HE80, RU 106-53, SDM, Core 0 - Core 1 - 7025 MHz
Band Edge Frequency 7125 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)	Average Level (dBμV/m)
802.11ax HE80	MCS 11x1	SU	-	5985	5925	82.88	64.46
802.11ax HE80	MCS 11x1	SU	-	7025	7125	57.36	46.13

Table 321 - TxBF Authorised Band Edge Results

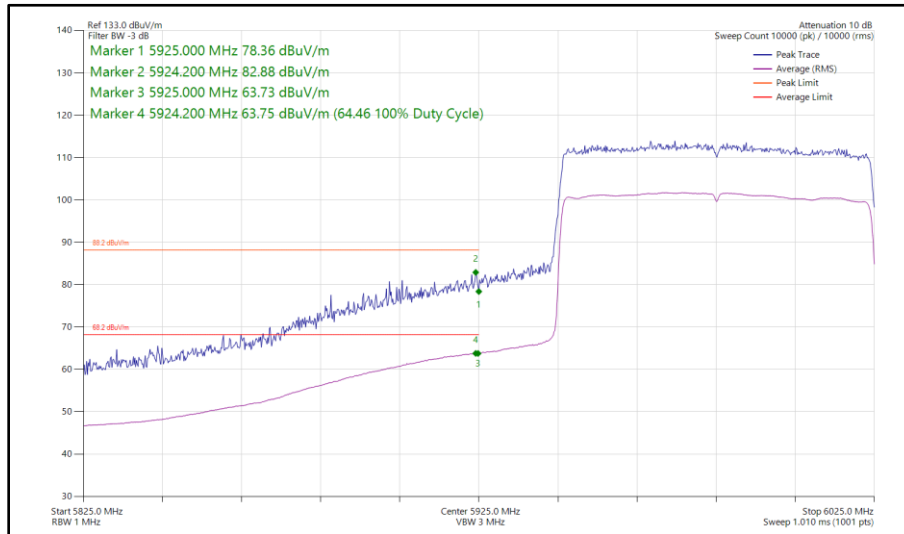


Figure 246 - 802.11ax HE80, SU, TxBF, Core 0 - Core 1 - 5985 MHz Band Edge Frequency 5925 MHz

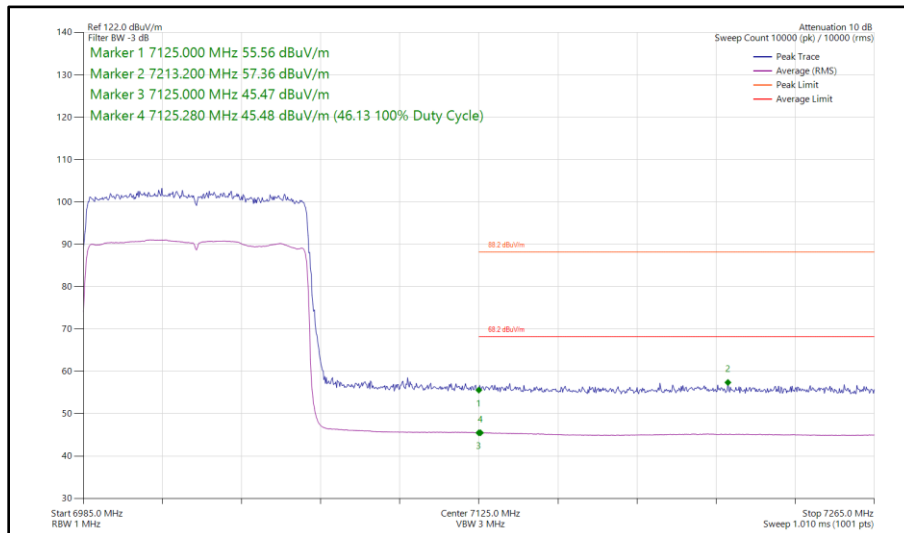


Figure 247 - 802.11ax HE80, SU, TxBF, Core 0 - Core 1 - 7025 MHz Band Edge Frequency 7125 MHz



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)	Average Level (dBμV/m)
802.11ax HE160	MCS 11x1	SU	-	6025	5925	78.35	64.26
802.11ax HE160	MCS 11x1	106	53P	6025	5925	60.64	47.04
802.11ax HE160	MCS 11x1	SU	-	6985	7125	68.97	53.47
802.11ax HE160	MCS 11x1	106	60S	6985	7125	58.17	46.26

Table 322 - SISO Authorised Band Edge Results

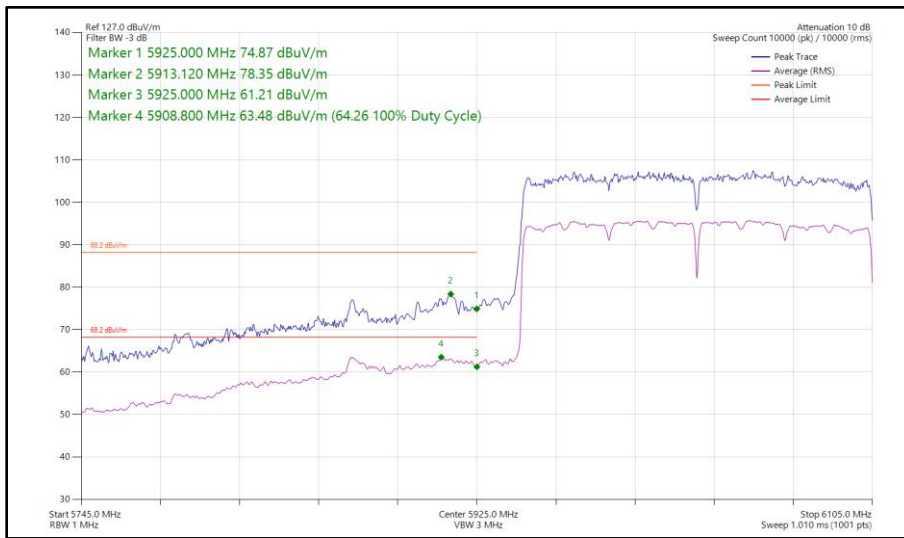


Figure 248 - 802.11ax HE160, SU, SISO, Core 0 - 6025 MHz
 Band Edge Frequency 5925 MHz

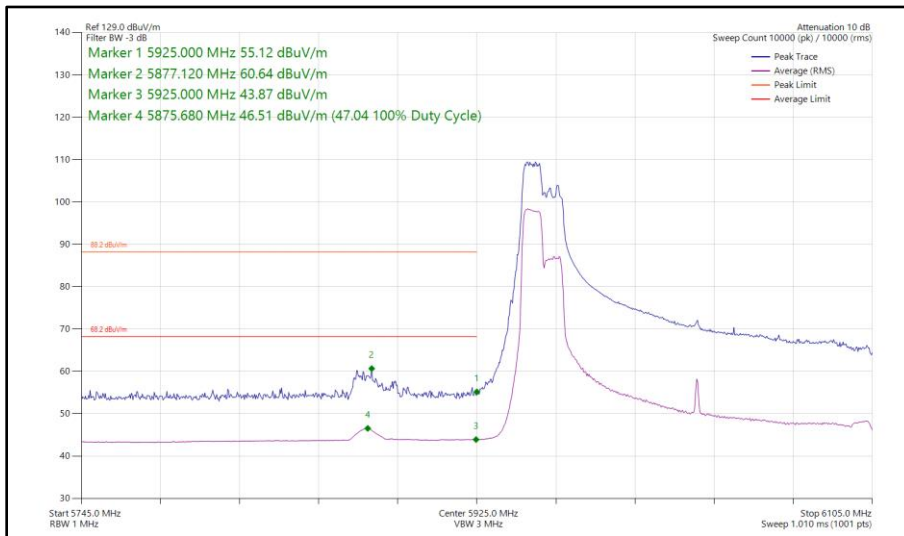
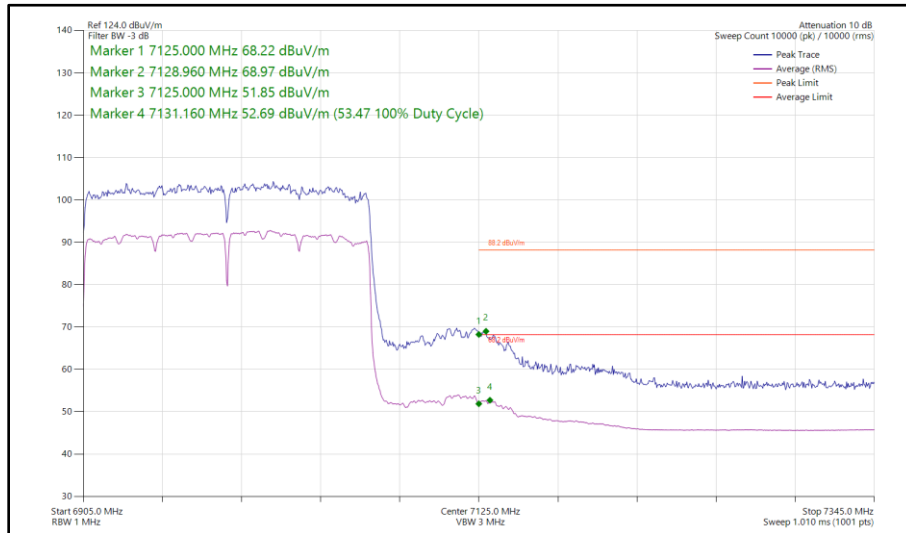
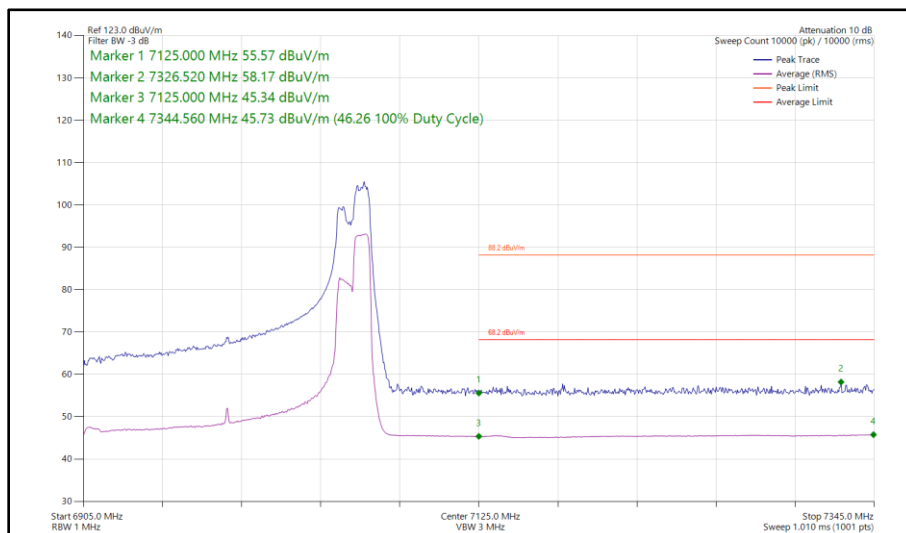


Figure 249 - 802.11ax HE160, RU 106-53P, SISO, Core 0 - 6025 MHz
 Band Edge Frequency 5925 MHz



**Figure 250 - 802.11ax HE160, SU, SISO, Core 0 - 6985 MHz
Band Edge Frequency 7125 MHz**



**Figure 251 - 802.11ax HE160, RU 106-60S, SISO, Core 0 - 6985 MHz
Band Edge Frequency 7125 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)	Average Level (dBμV/m)
802.11ax HE160	MCS 11x1	SU	-	6025	5925	79.19	64.86
802.11ax HE160	MCS 11x1	106	53P	6025	5925	57.80	45.63
802.11ax HE160	MCS 11x1	SU	-	6985	7125	70.86	56.06
802.11ax HE160	MCS 11x1	106	53P	6985	7125	57.58	46.27

Table 323 - SISO Authorised Band Edge Results

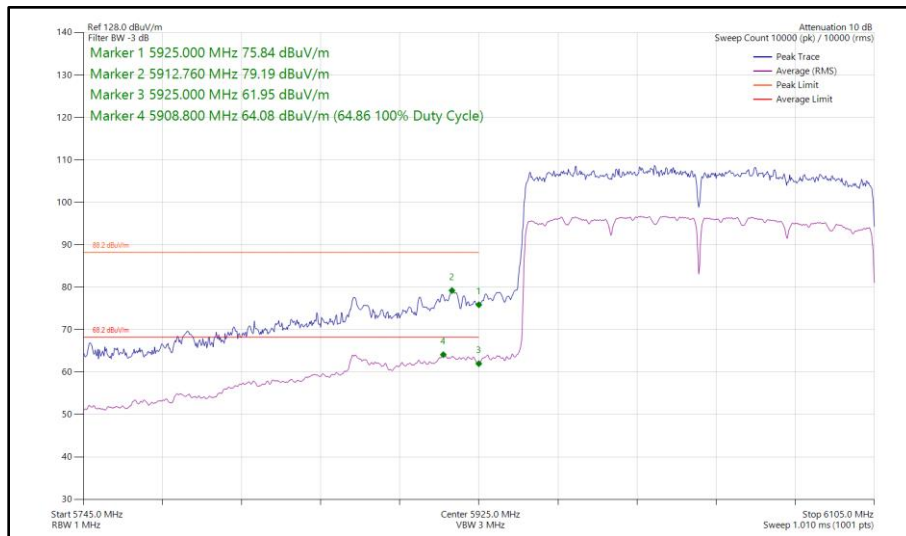


Figure 252 - 802.11ax HE160, SU, SISO, Core 1 - 6025 MHz
 Band Edge Frequency 5925 MHz

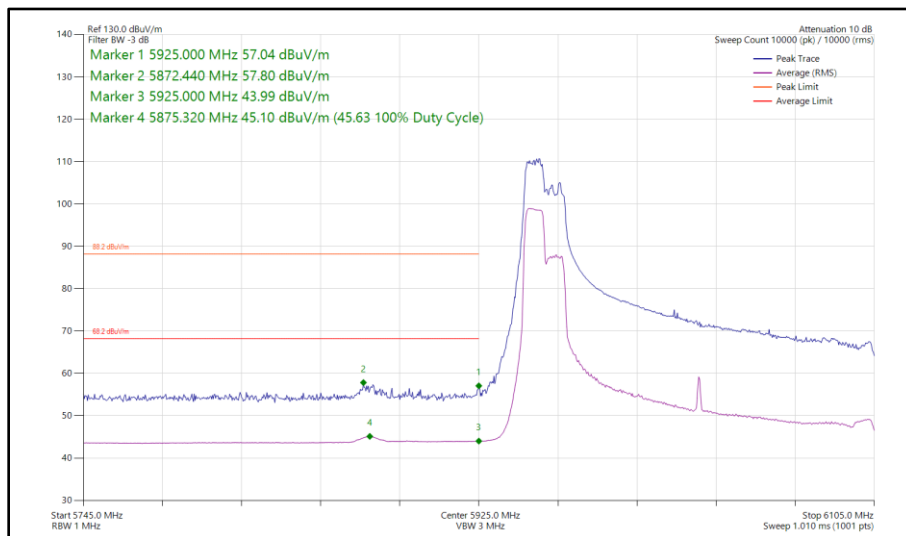
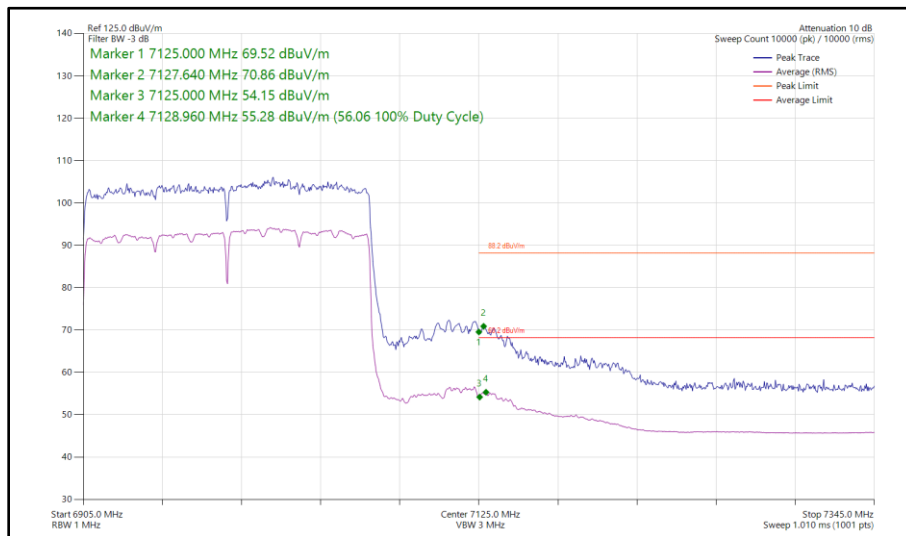
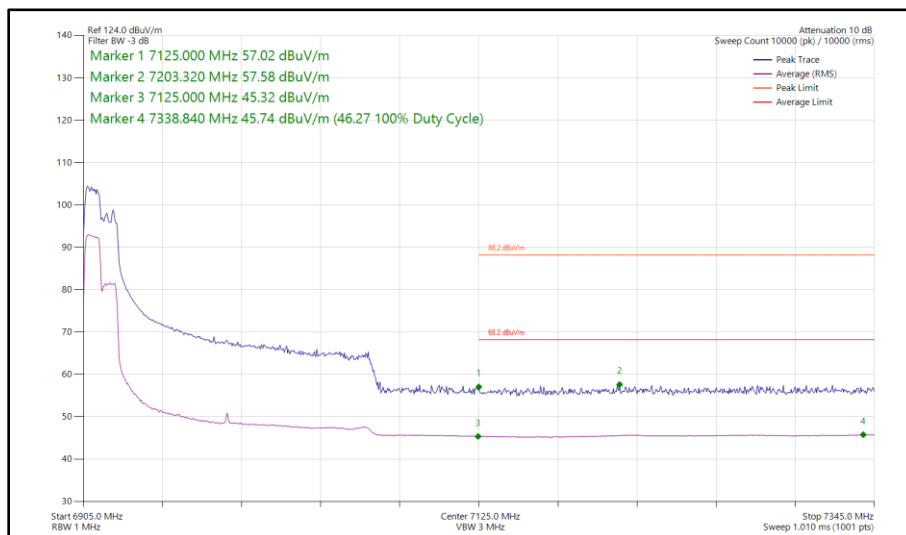


Figure 253 - 802.11ax HE160, RU 106-53P, SISO, Core 1 - 6025 MHz
 Band Edge Frequency 5925 MHz



**Figure 254 - 802.11ax HE160, SU, SISO, Core 1 - 6985 MHz
Band Edge Frequency 7125 MHz**



**Figure 255 - 802.11ax HE160, RU 106-53P, SISO, Core 1 - 6985 MHz
Band Edge Frequency 7125 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)	Average Level (dBμV/m)
802.11ax HE160	MCS 4x1	SU	-	6025	5925	79.23	65.57
802.11ax HE160	MCS 11x1	106	53P	6025	5925	59.94	47.15
802.11ax HE160	MCS 11x1	SU	-	6985	7125	59.85	47.99
802.11ax HE160	MCS 11x1	106	53P	6985	7125	57.59	46.21

Table 324 - CDD Authorised Band Edge Results

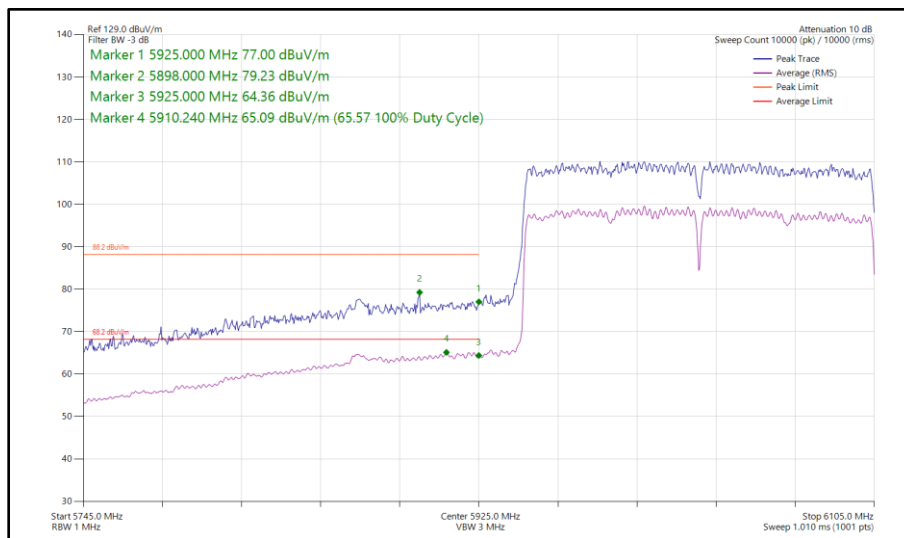


Figure 256 - 802.11ax HE160, SU, CDD, Core 0 - Core 1 - 6025 MHz Band Edge Frequency 5925 MHz

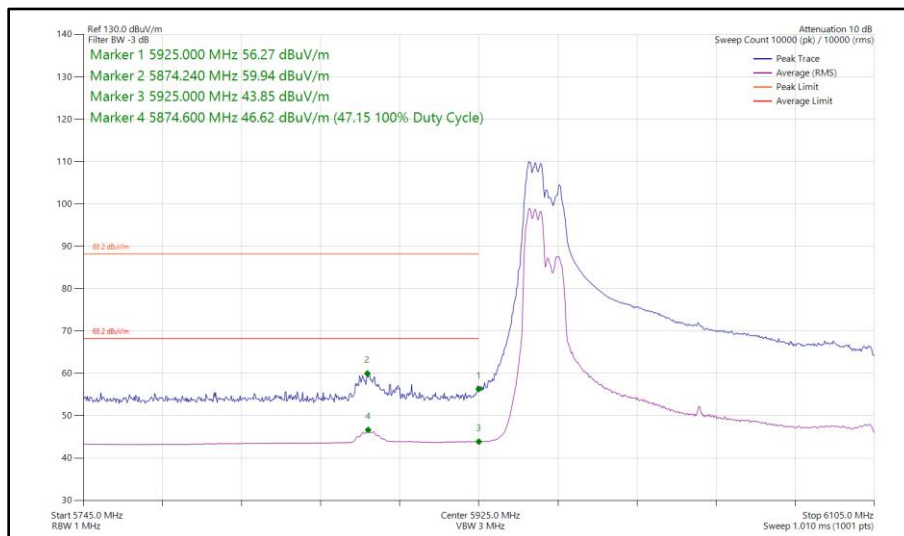
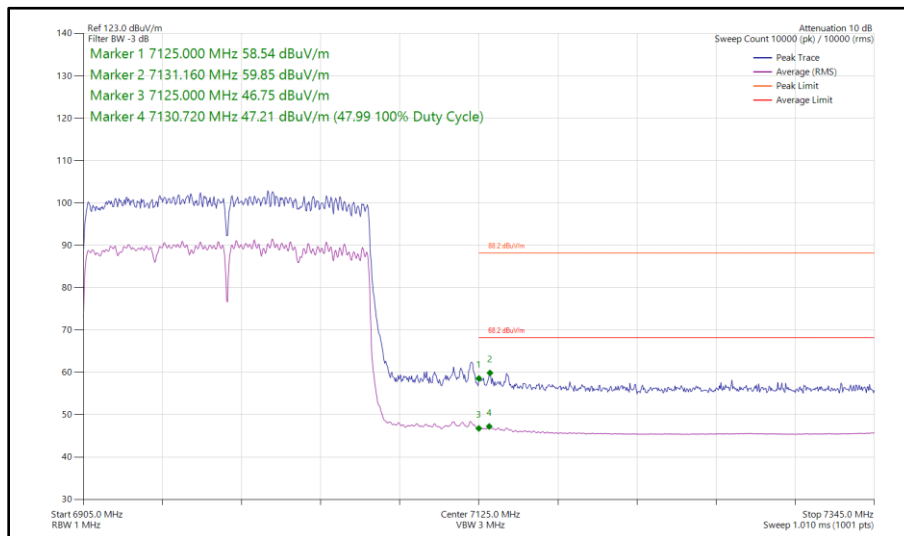
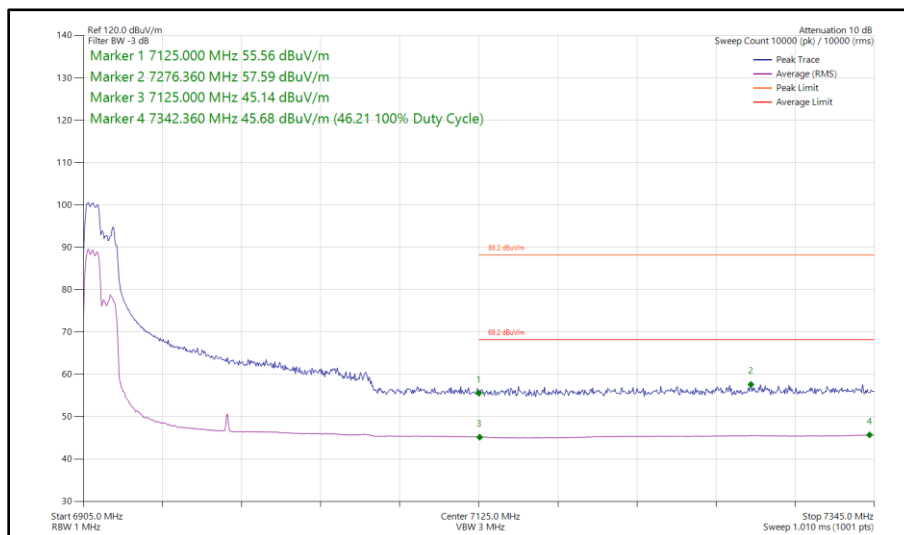


Figure 257 - 802.11ax HE160, RU 106-53P, CDD, Core 0 - Core 1 - 6025 MHz Band Edge Frequency 5925 MHz



**Figure 258 - 802.11ax HE160, SU, CDD, Core 0 - Core 1 - 6985 MHz
Band Edge Frequency 7125 MHz**



**Figure 259 - 802.11ax HE160, RU 106-53P, CDD, Core 0 - Core 1 - 6985 MHz
Band Edge Frequency 7125 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)	Average Level (dBμV/m)
802.11ax HE160	MCS 4x2	SU	-	6025	5925	78.88	65.46
802.11ax HE160	MCS 11x2	106	53P	6025	5925	61.24	47.15
802.11ax HE160	MCS 4x2	SU	-	6985	7125	64.53	51.57
802.11ax HE160	MCS 11x2	106	53P	6985	7125	57.98	46.22

Table 325 - SDM Authorised Band Edge Results

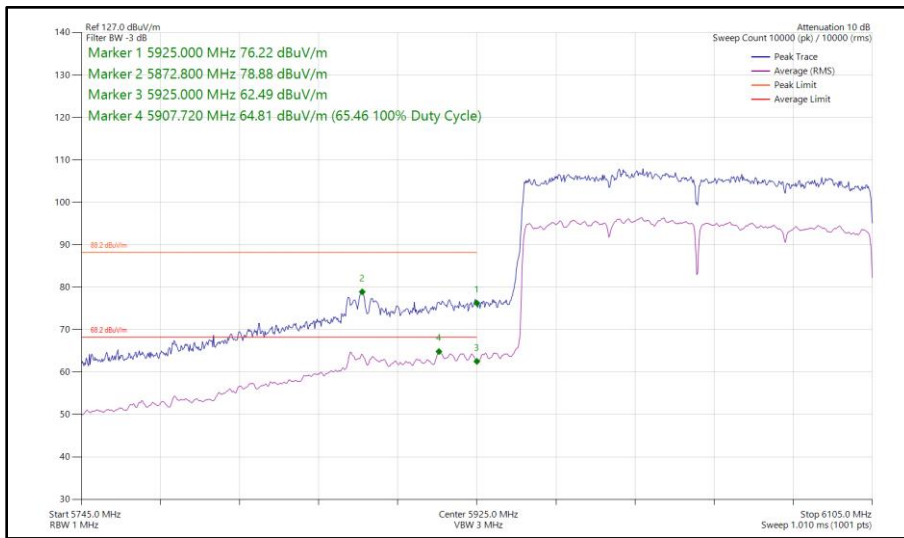


Figure 260 - 802.11ax HE160, SU, SDM, Core 0 - Core 1 - 6025 MHz
 Band Edge Frequency 5925 MHz

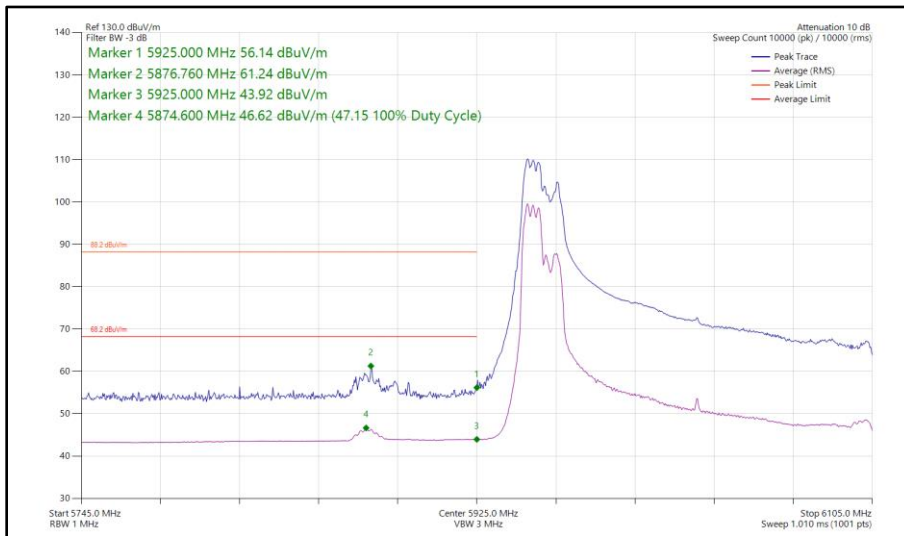
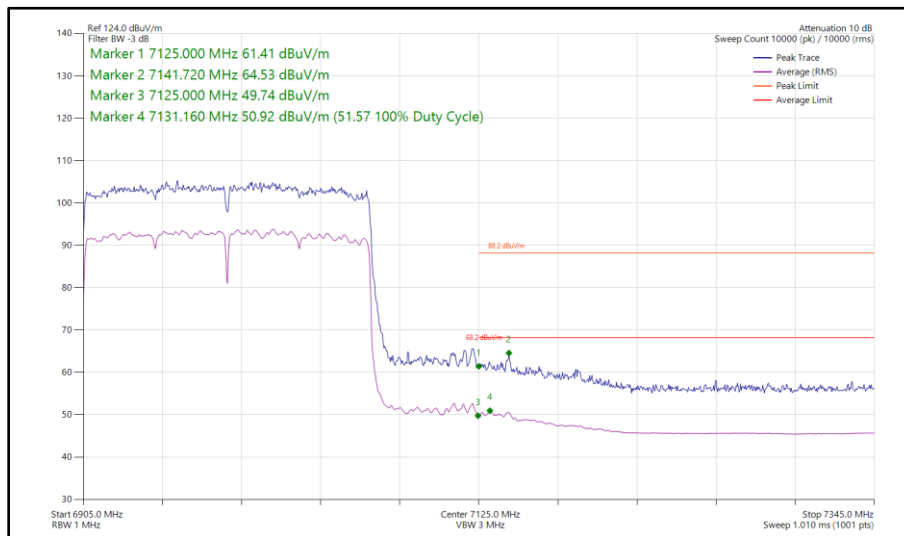
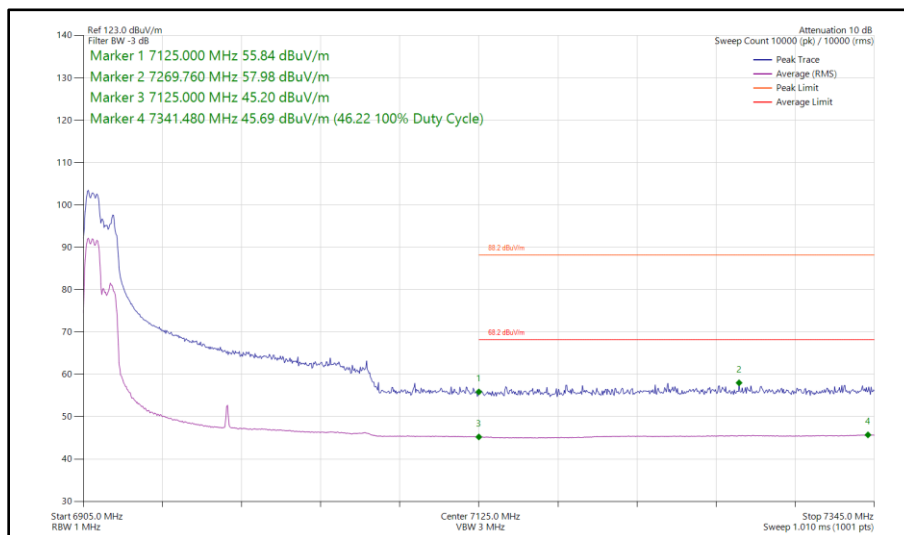


Figure 261 - 802.11ax HE160, RU 106-53P, SDM, Core 0 - Core 1 - 6025 MHz
 Band Edge Frequency 5925 MHz



**Figure 262 - 802.11ax HE160, SU, SDM, Core 0 - Core 1 - 6985 MHz
Band Edge Frequency 7125 MHz**



**Figure 263 - 802.11ax HE160, RU 106-53P, SDM, Core 0 - Core 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.



2.6.7 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
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
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	5912	12	07-Aug-2025
Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-May-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	5997	12	14-Sep-2024
Cable (N to N 7m)	Junkosha	MWX221-07000NMSNMS/B	6005	12	20-May-2025
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	20-May-2025
Horn Antenna (1-10 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



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Digital Multimeter	Fluke	115	6146	12	06-Jun-2025
Digital Multimeter	Fluke	115	6147	12	06-Jun-2025
Humidity & Temperature meter	R.S Components	1364	6148	12	29-Jul-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	22-Dec-2024
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	06-Jan-2025
Humidity and Temperature Meter	R.S Components	1364	6346	12	06-Mar-2025
Horn Antenna (1–8 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
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 326

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



2.7 Spurious Radiated Emissions

2.7.1 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

2.7.2 Equipment Under Test and Modification State

A3239, S/N: N7C7VWDN4T - Modification State 0

2.7.3 Date of Test

17-August-2024 to 22-August-2024

2.7.4 Test Method

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

Tests were performed in HE20 CDD in 2TX MIMO mode, with measurements undertaken from 30 MHz to 40 GHz on channels 45 (6175 MHz), 105 (6475 MHz), 149 (6695 MHz), and 209 (6995 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.

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 dBuV/m @ 3 m and 64/84 dBuV/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 dBuV/m to uV/m:
 $10^{(\text{Field Strength in dBuV/m}/20)}$.

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

2.7.5 Example Test Setup Diagram

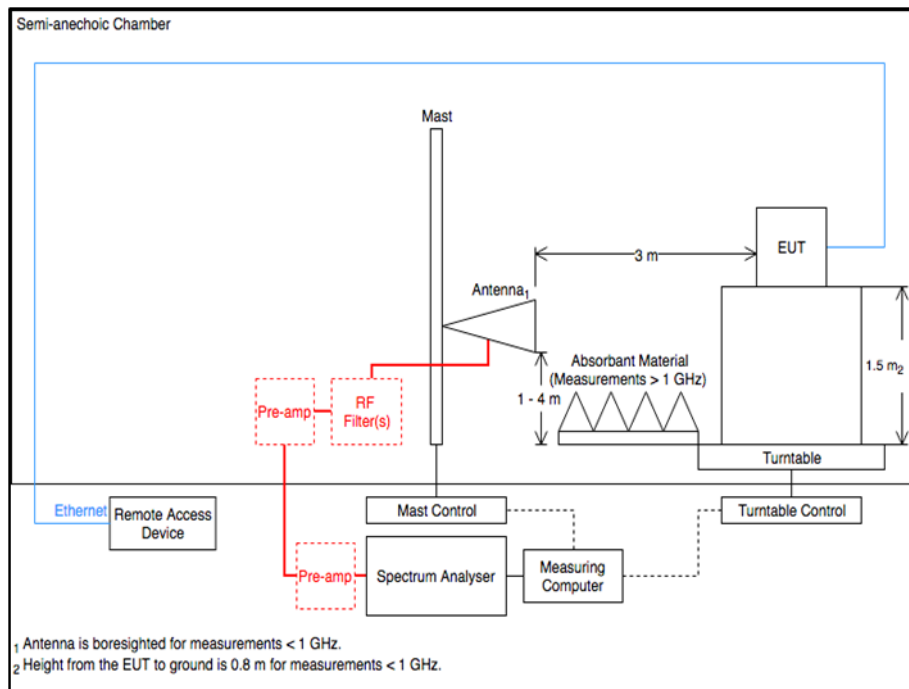


Figure 264 - Radiated Emissions Test Setup Diagram

2.7.6 Environmental Conditions

Ambient Temperature 22.1 - 23.6 °C
Relative Humidity 42.8 - 57.2 %



2.7.7 Test Results

6 GHz WLAN

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5457.222	34.58	54.00	-19.42	RMS	47	137	Horizontal
5458.908	36.00	54.00	-18.00	RMS	96	100	Vertical
11909.880	39.39	54.00	-14.61	RMS	349	100	Vertical

Table 327 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

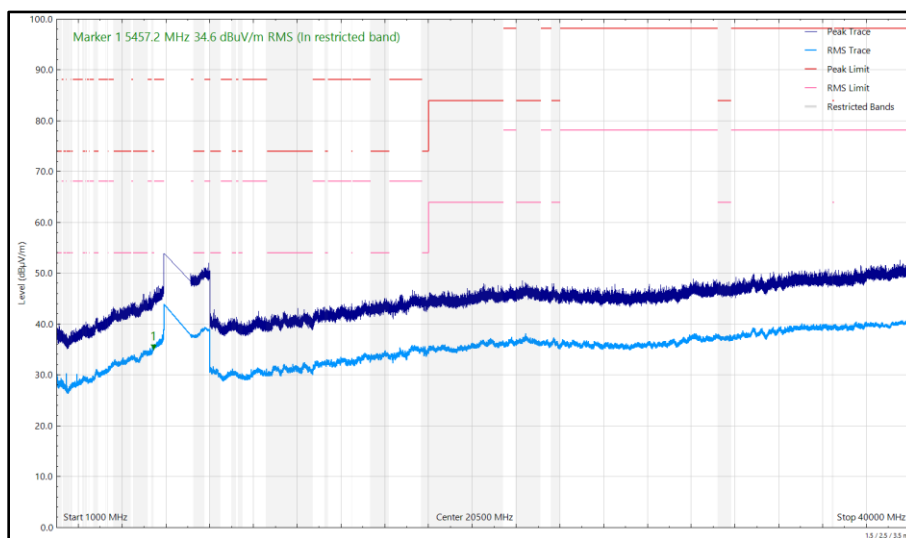


Figure 265 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

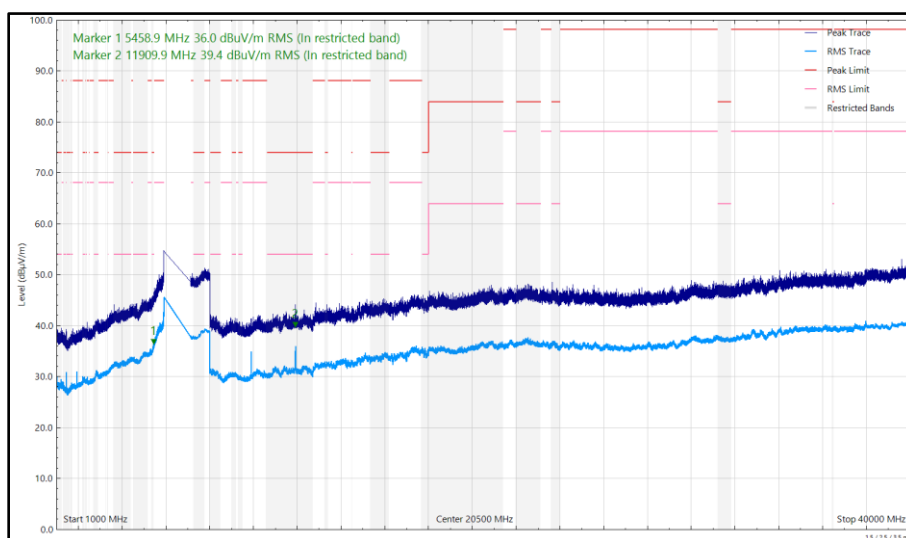


Figure 266 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
32.015	18.14	40.00	-21.86	Q-Peak	67	100	Vertical
77.283	17.91	40.00	-22.09	Q-Peak	114	100	Vertical
200.574	23.38	43.50	-20.12	Q-Peak	360	100	Vertical
394.447	26.58	46.00	-19.42	Q-Peak	141	100	Horizontal
5459.099	34.53	54.00	-19.47	RMS	184	250	Vertical
5459.552	34.50	54.00	-19.50	RMS	186	390	Horizontal
18527.950	45.02	63.50	-18.48	RMS	0	100	Vertical

Table 328 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

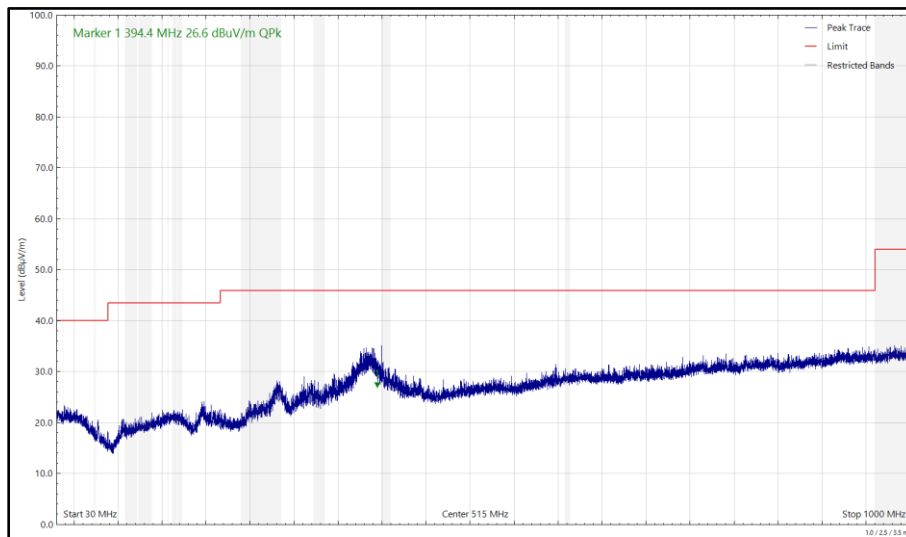


Figure 267 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

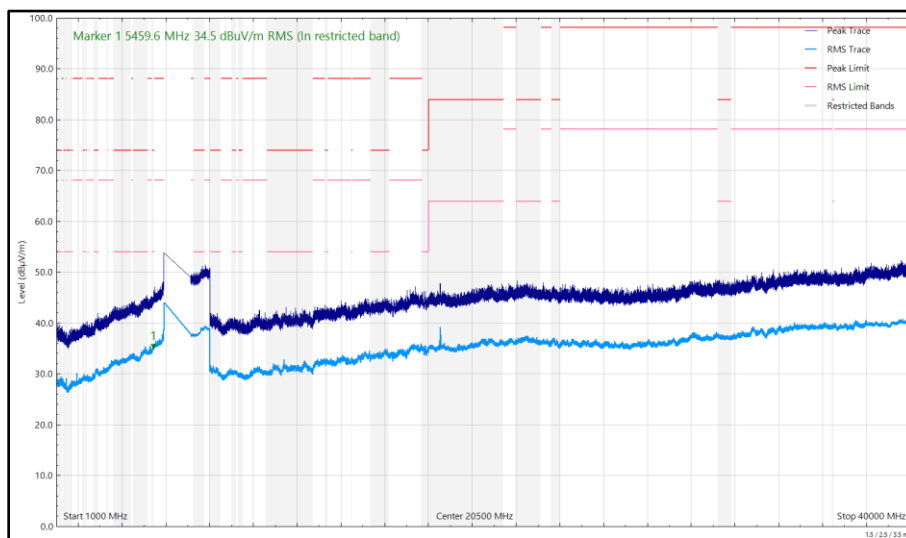




Figure 268 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

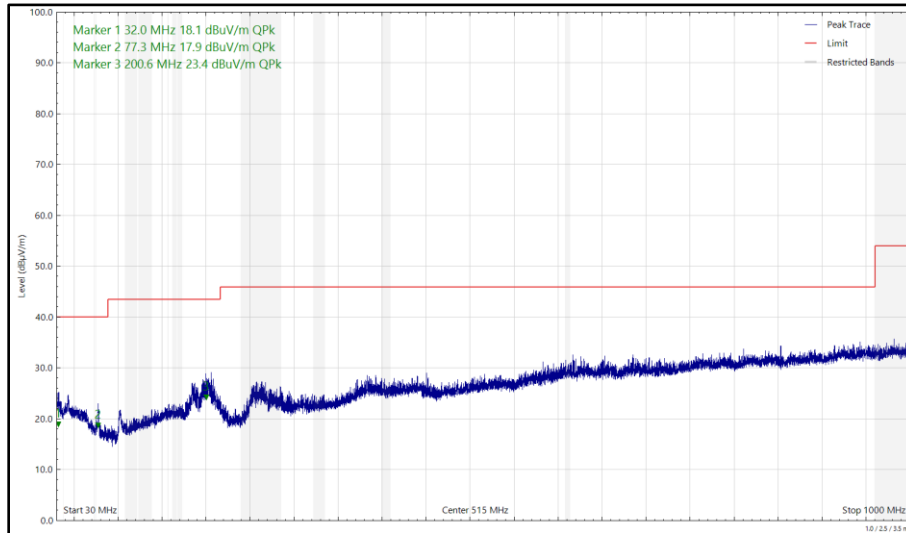


Figure 269 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

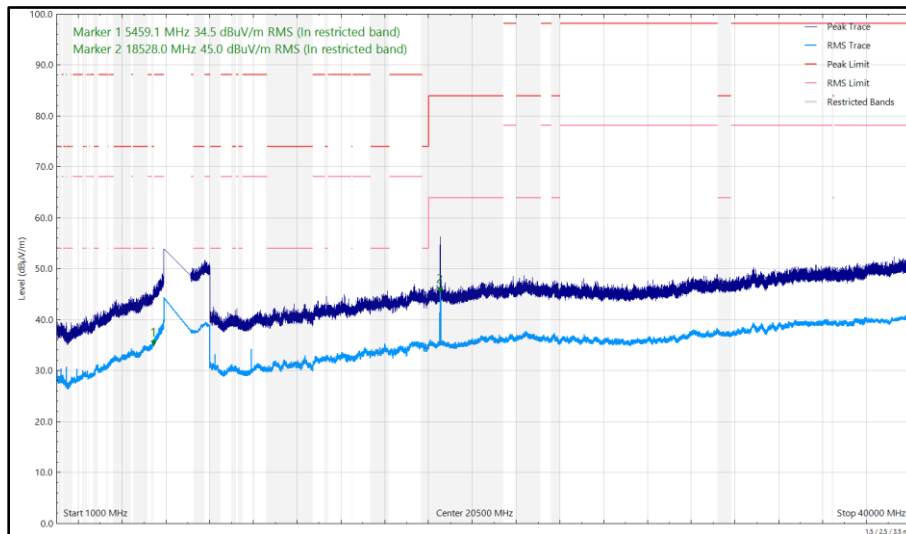


Figure 270 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5458.289	34.52	54.00	-19.48	RMS	312	366	Vertical
5459.670	34.50	54.00	-19.50	RMS	350	237	Horizontal
19245.755	44.97	63.50	-18.53	RMS	237	100	Vertical

Table 329 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

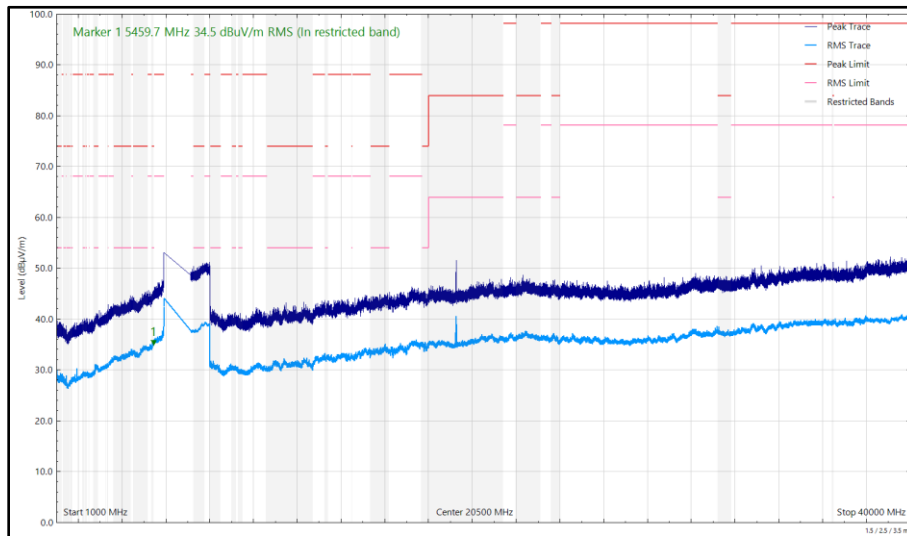


Figure 271 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

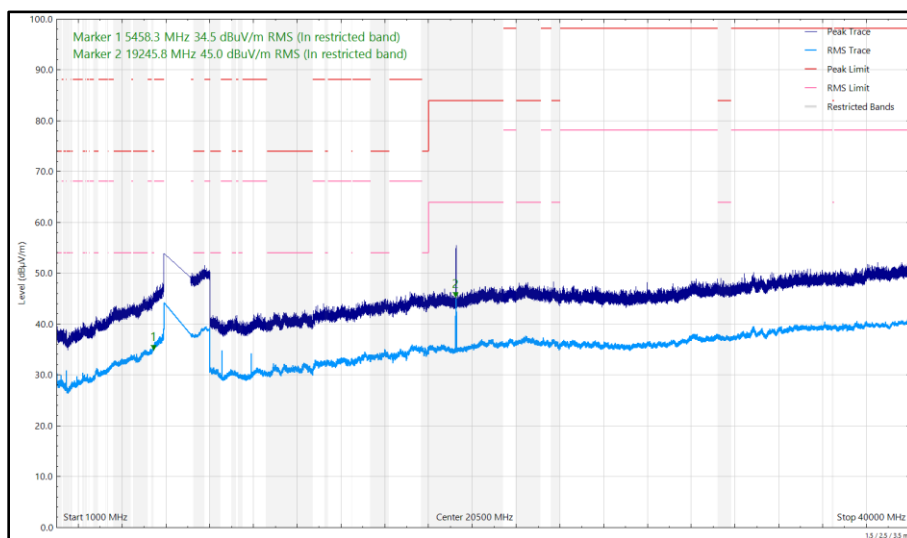


Figure 272 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical