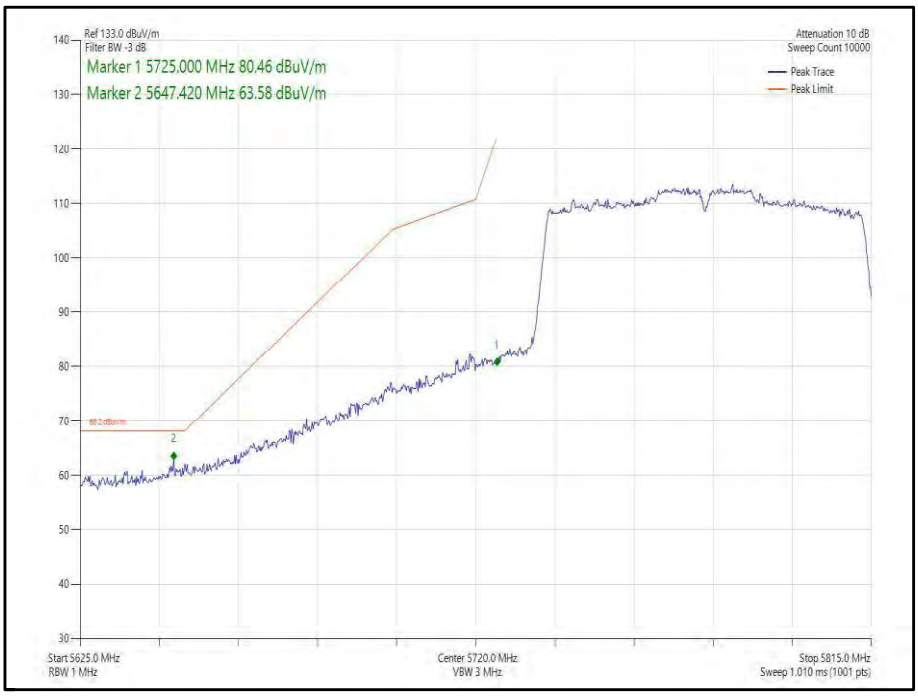

**Figure 424 - 802.11ac, VHT80, SISO, Core 0 - 5775 MHz,
Band Edge Frequency 5725 MHz**

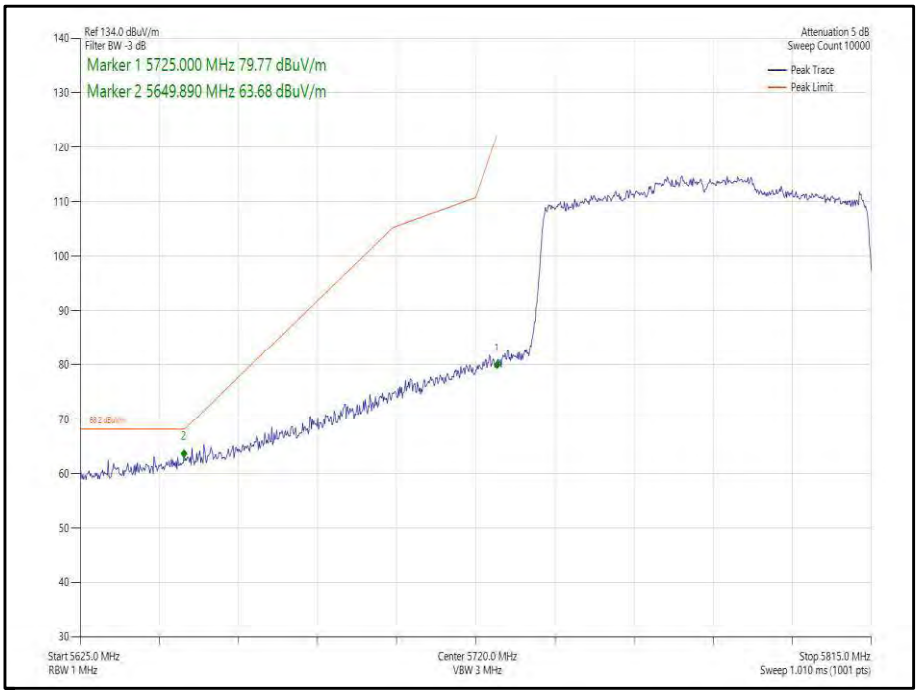

**Figure 425 - 802.11ax, HE80, SU, SISO, Core 0 - 5775 MHz,
Band Edge Frequency 5725 MHz**

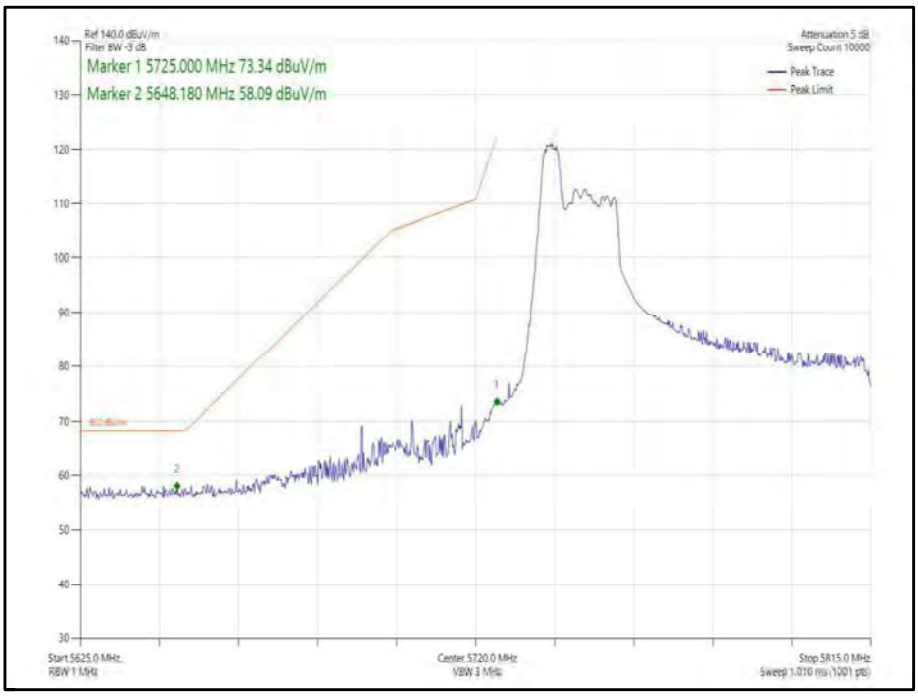

Figure 426 - 802.11ax, HE80, RU 52-37, SISO, Core 0 - 5775 MHz, Band Edge Frequency 5725 MHz

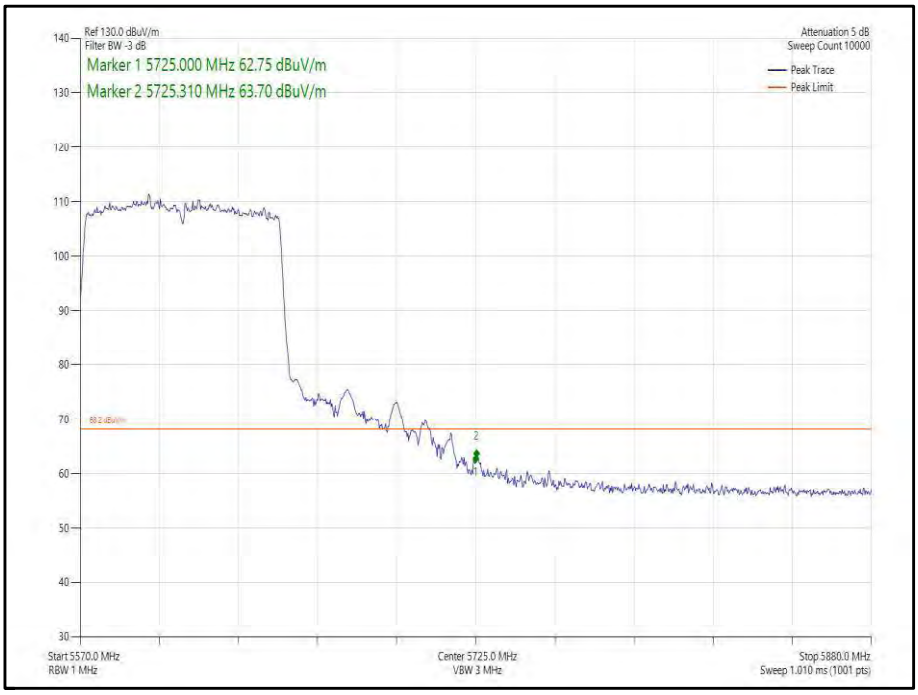

Figure 427 - 802.11ac, VHT80, SISO, Core 0 - 5610 MHz, Band Edge Frequency 5725 MHz

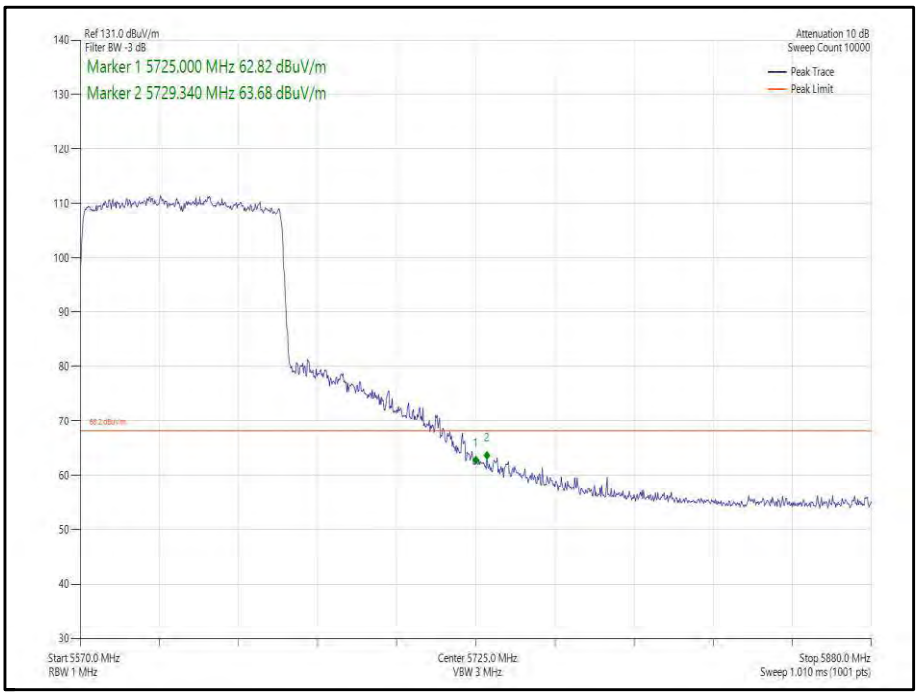

Figure 428 - 802.11ax, HE80, SU, SISO, Core 0 - 5610 MHz, Band Edge Frequency 5725 MHz

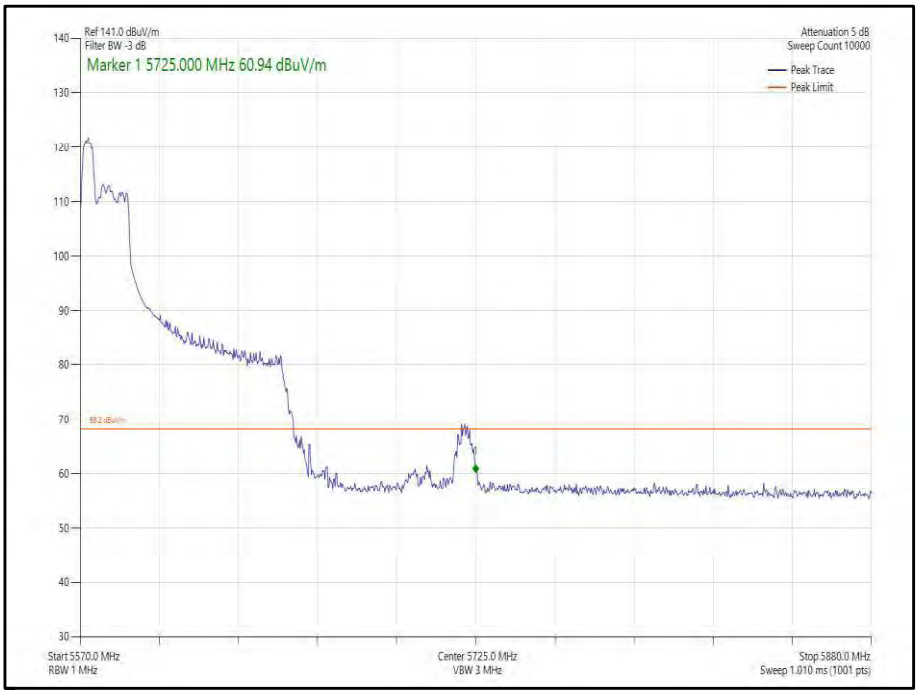

Figure 429 - 802.11ax, HE80, RU 52-37, SISO, Core 0 - 5610 MHz, Band Edge Frequency 5725 MHz

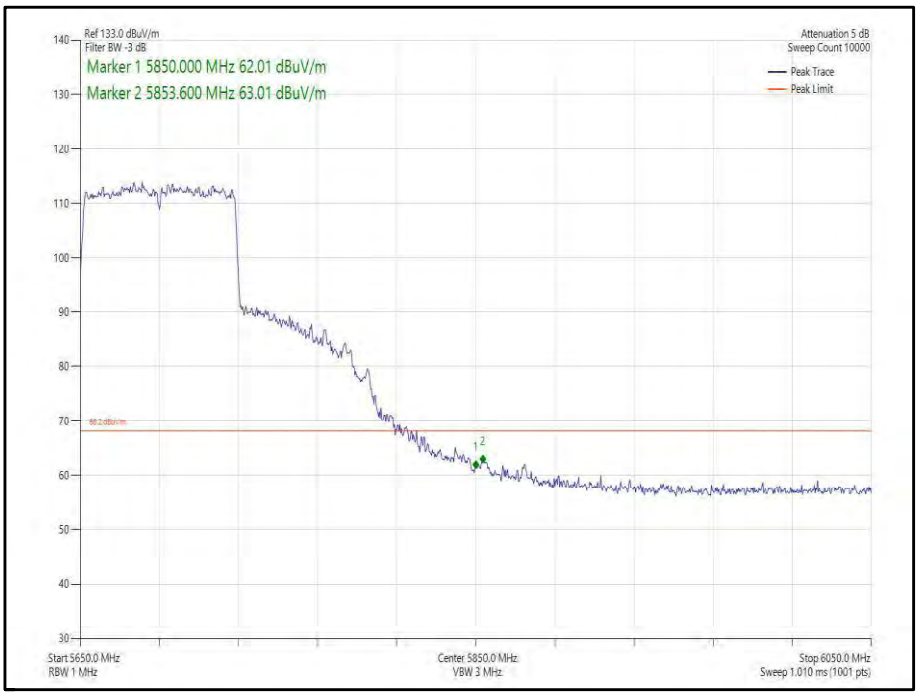

**Figure 430 - 802.11ac, VHT80, SISO, Core 0 - 5690 MHz,
Band Edge Frequency 5850 MHz**

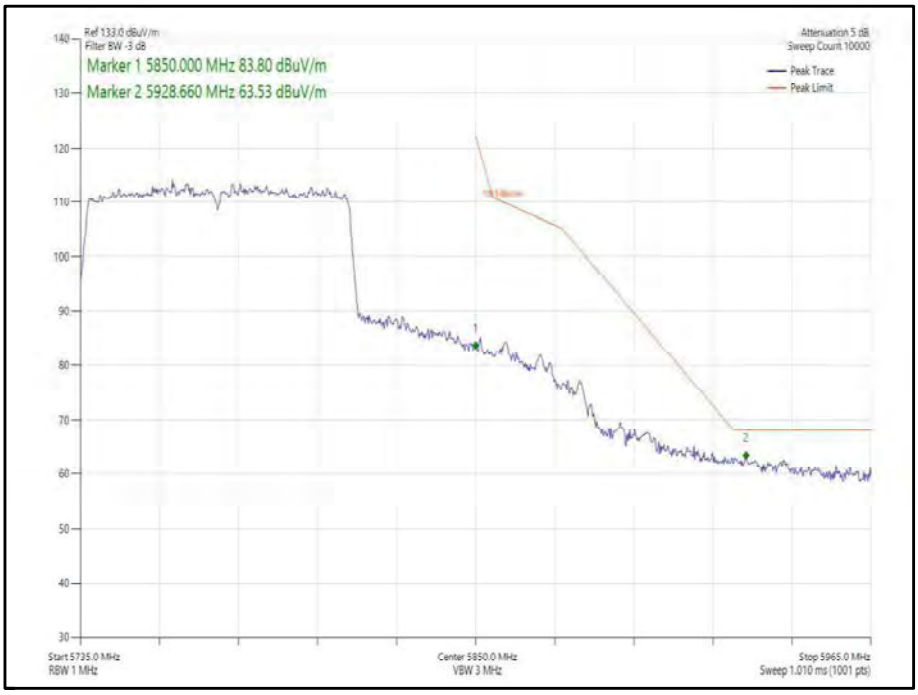

**Figure 431 - 802.11ac, VHT80, SISO, Core 0 - 5775 MHz,
Band Edge Frequency 5850 MHz**

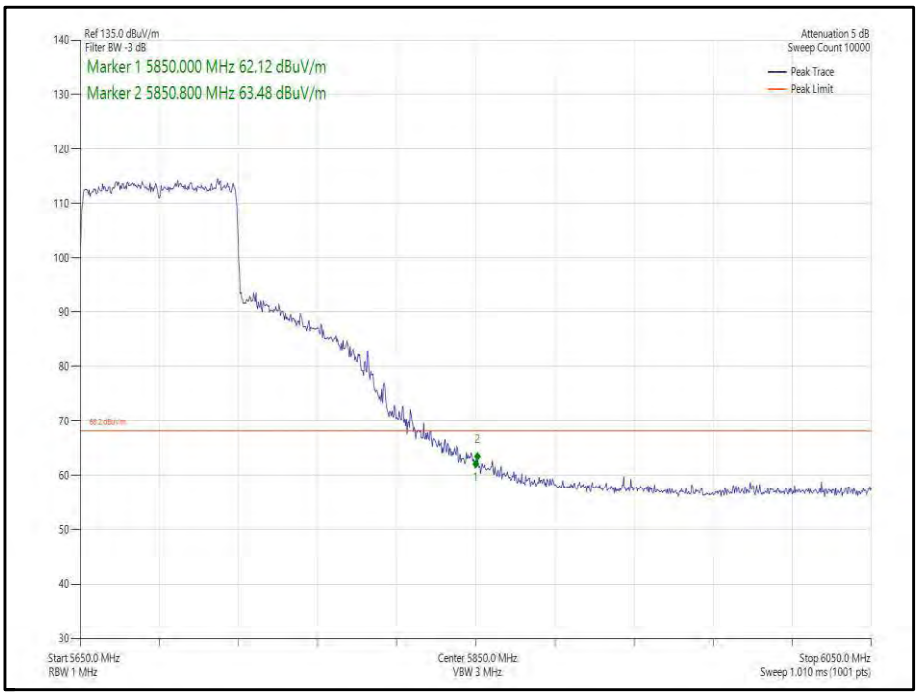

Figure 432 - 802.11ax, HE80, SU, SISO, Core 0 - 5690 MHz, Band Edge Frequency 5850 MHz

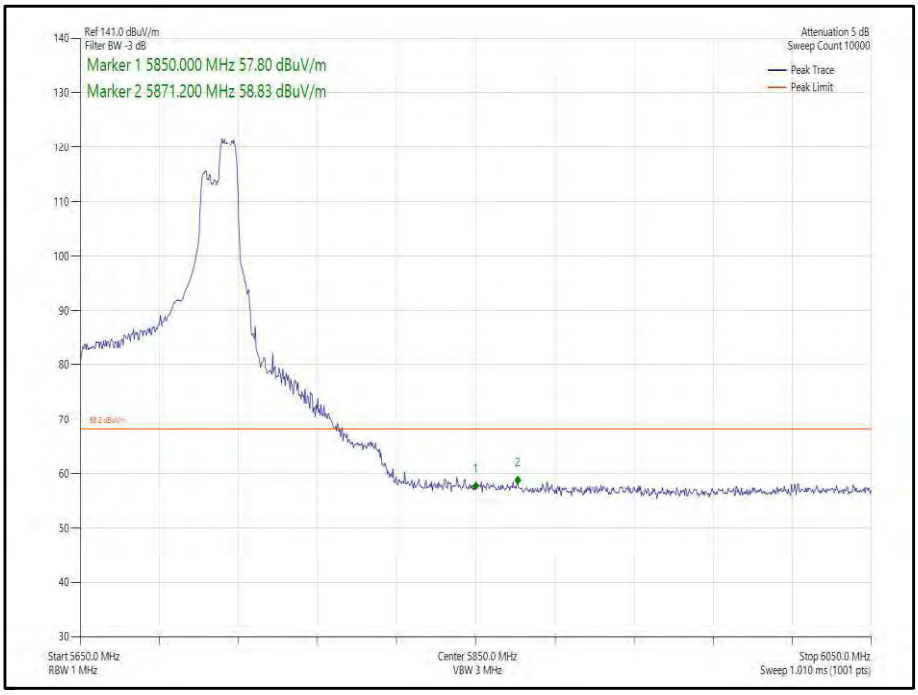

Figure 433 - 802.11ax, HE80, RU 106-60, SISO, Core 0 - 5690 MHz, Band Edge Frequency 5850 MHz

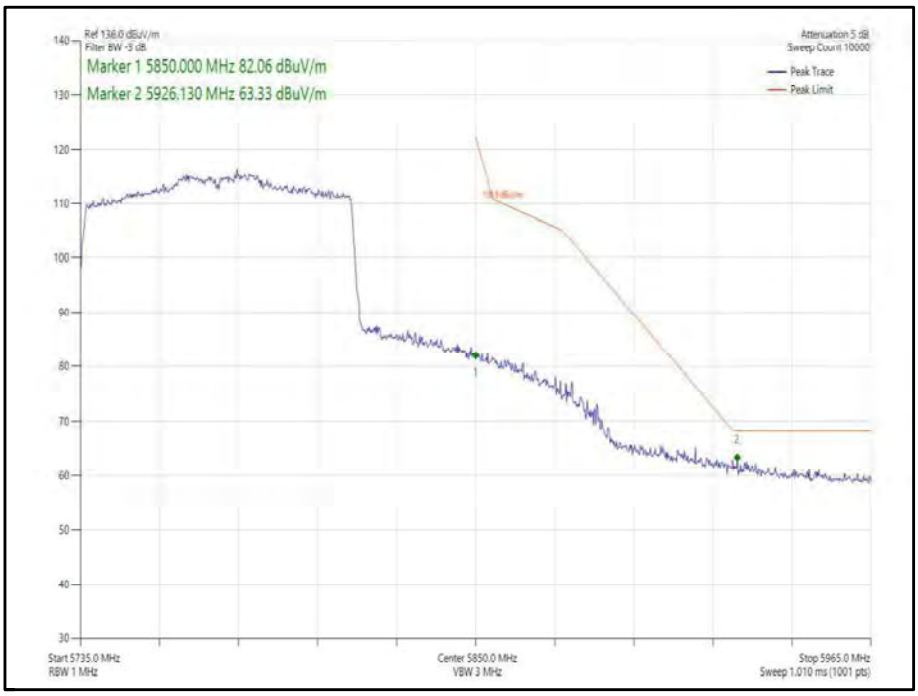

Figure 434 - 802.11ax, HE80, SU, SISO, Core 0 - 5775 MHz, Band Edge Frequency 5850 MHz

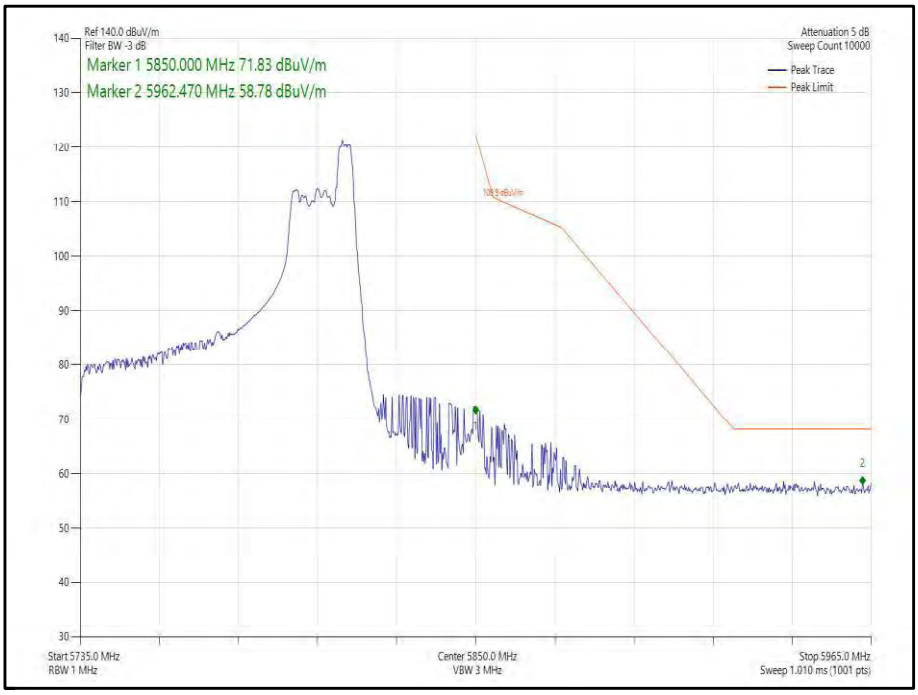

Figure 435 - 802.11ax, HE80, RU 52-52, SISO, Core 0 - 5775 MHz, Band Edge Frequency 5850 MHz

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)
802.11ac, VHT80	MCS8x1	-	-	5530	5470	63.44
802.11ax, HE80	MCS2x1	SU	-	5530	5470	63.64
802.11ax, HE80	MCS11x1	52	37	5530	5470	63.49
802.11ac, VHT80	MCS2x1	-	-	5775	5725	63.69
802.11ax, HE80	MCS4x1	SU	-	5775	5725	63.70
802.11ax, HE80	MCS11x1	106	60	5775	5725	61.14
802.11ac, VHT80	MCS8x1	-	-	5610	5725	63.58
802.11ax, HE80	MCS11x1	SU	-	5610	5725	63.56
802.11ax, HE80	MCS11x1	52	37	5610	5725	63.69
802.11ac, VHT80	MCS8x1	-	-	5690	5850	63.44
802.11ac, VHT80	MCS8x1	-	-	5775	5850	63.28
802.11ax, HE80	MCS11x1	SU	-	5690	5850	63.69
802.11ax, HE80	MCS11x1	106	60	5690	5850	60.29
802.11ax, HE80	MCS2x1	SU	-	5775	5850	63.69
802.11ax, HE80	MCS11x1	106	53	5775	5850	60.55

Table 672 - SISO Authorised Band Edge Results

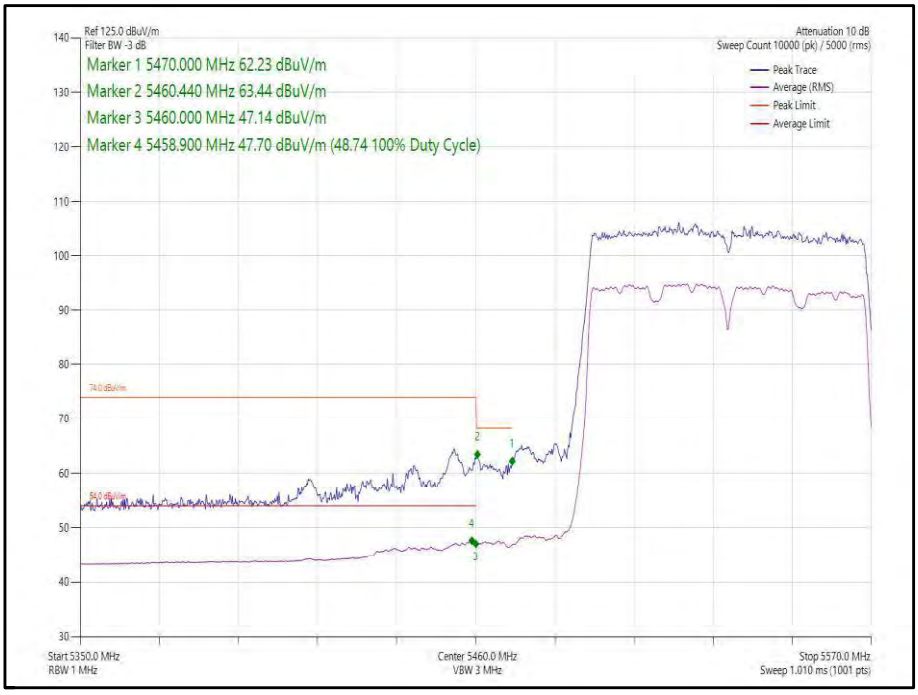

Figure 436 - 802.11ac, VHT80, SISO, Core 1 - 5530 MHz, Band Edge Frequency 5470 MHz

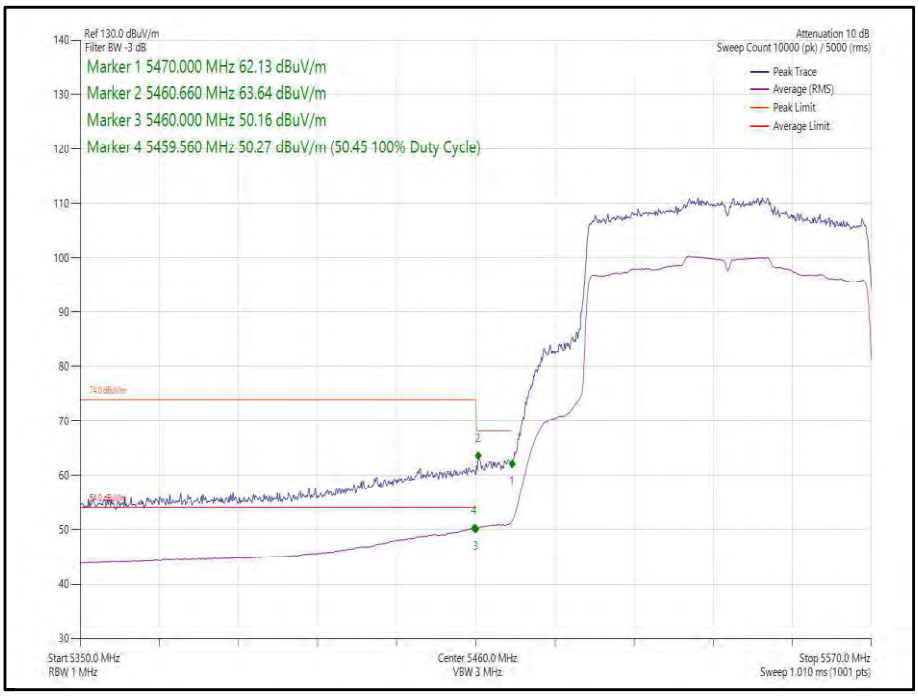

Figure 437 - 802.11ax, HE80, SU, SISO, Core 1 - 5530 MHz, Band Edge Frequency 5470 MHz

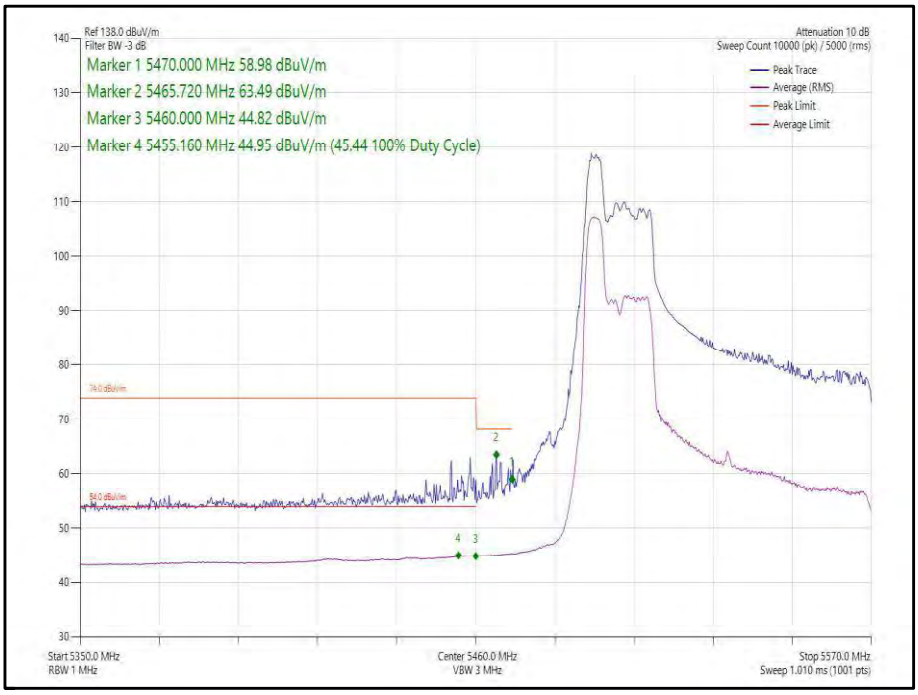

Figure 438 - 802.11ax, HE80, RU 52-37, SISO, Core 1 - 5530 MHz, Band Edge Frequency 5470 MHz

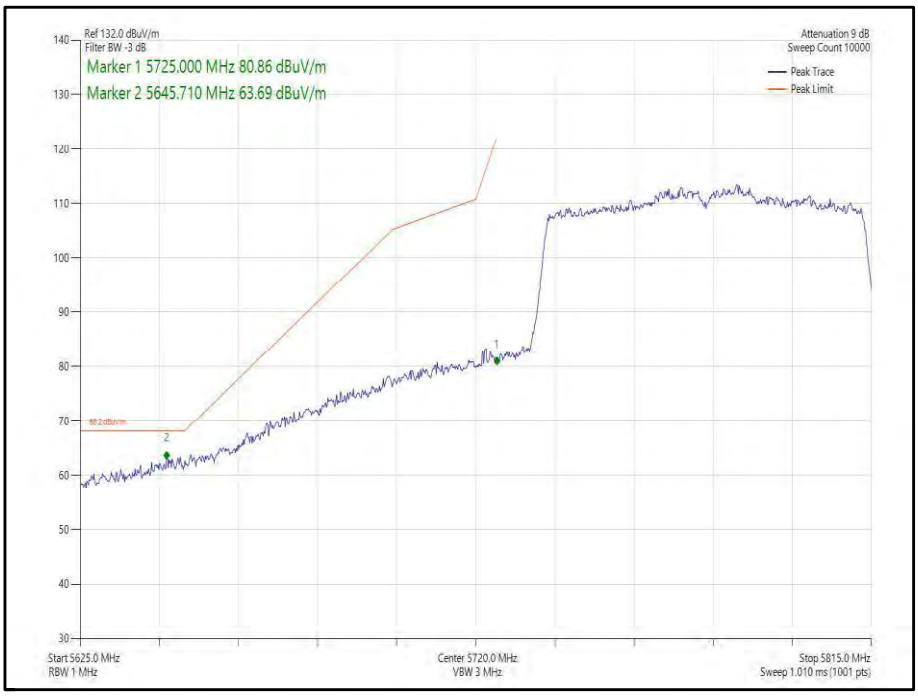

Figure 439 - 802.11ac, VHT80, SISO, Core 1 - 5775 MHz, Band Edge Frequency 5725 MHz

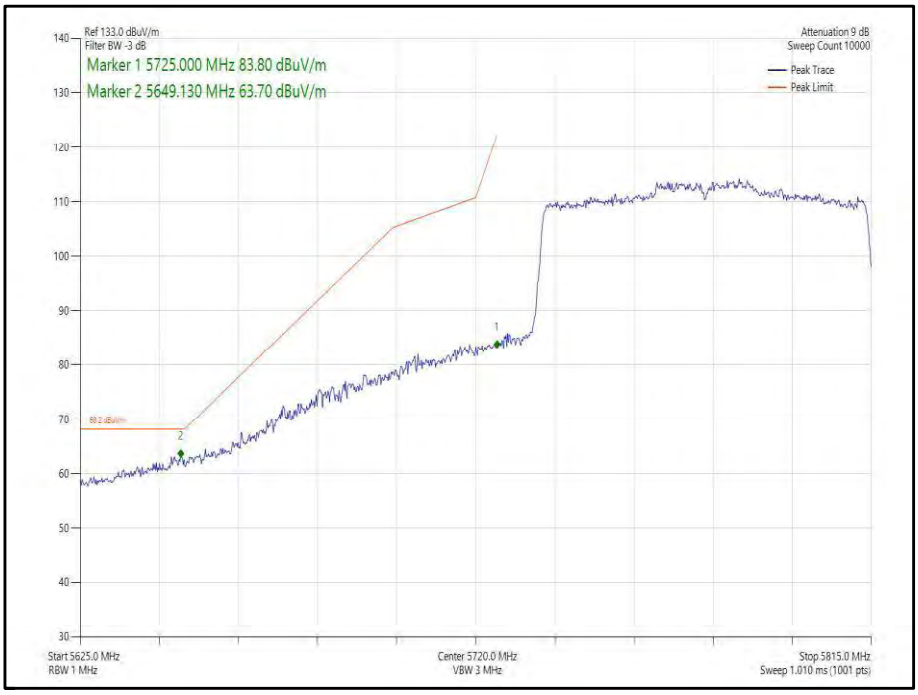

Figure 440 - 802.11ax, HE80, SU, SISO, Core 1 - 5775 MHz, Band Edge Frequency 5725 MHz

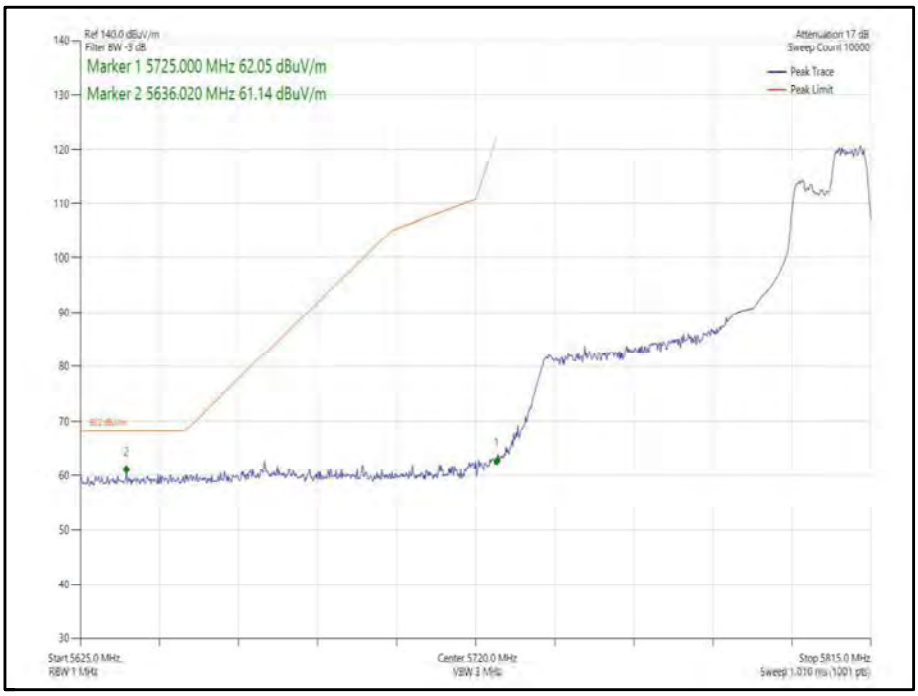

Figure 441 - 802.11ax, HE80, RU 106-60, SISO, Core 1 - 5775 MHz, Band Edge Frequency 5725 MHz

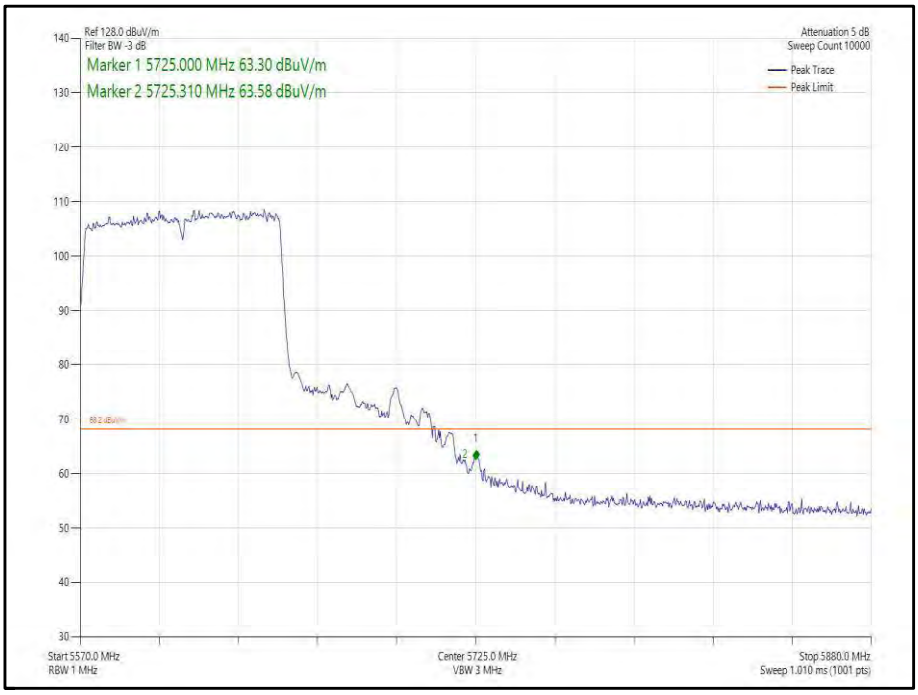

Figure 442 - 802.11ac, VHT80, SISO, Core 1 - 5610 MHz, Band Edge Frequency 5725 MHz

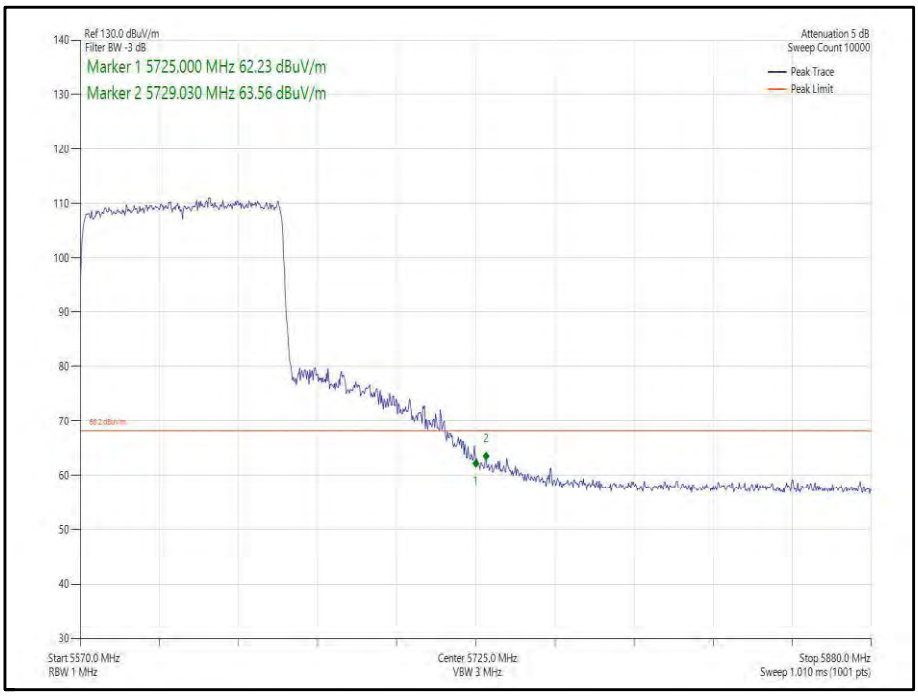

Figure 443 - 802.11ax, HE80, SU, SISO, Core 1 - 5610 MHz, Band Edge Frequency 5725 MHz

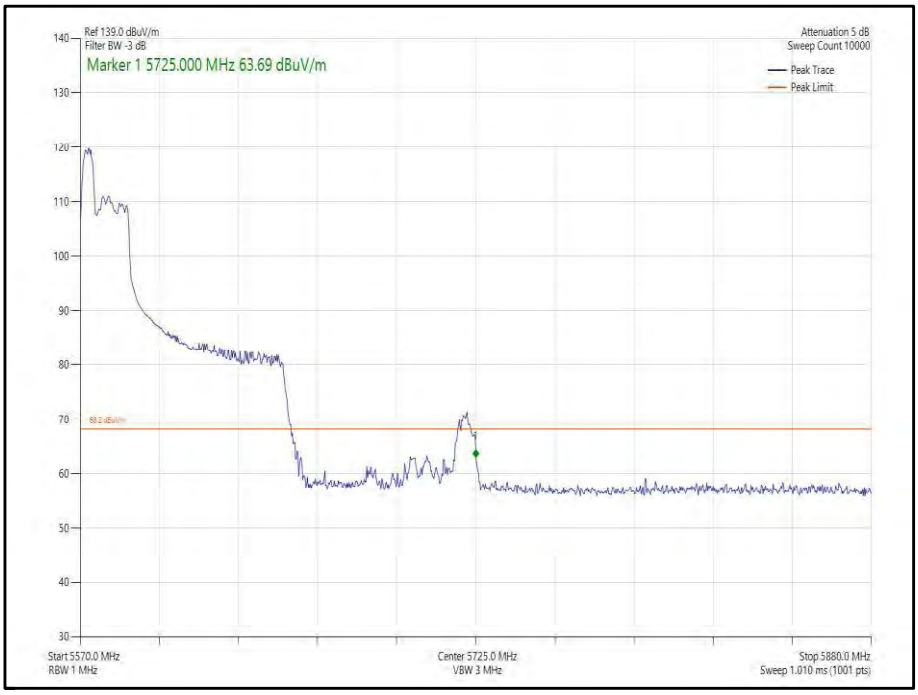

Figure 444 - 802.11ax, HE80, RU 52-37, SISO, Core 1 - 5610 MHz, Band Edge Frequency 5725 MHz

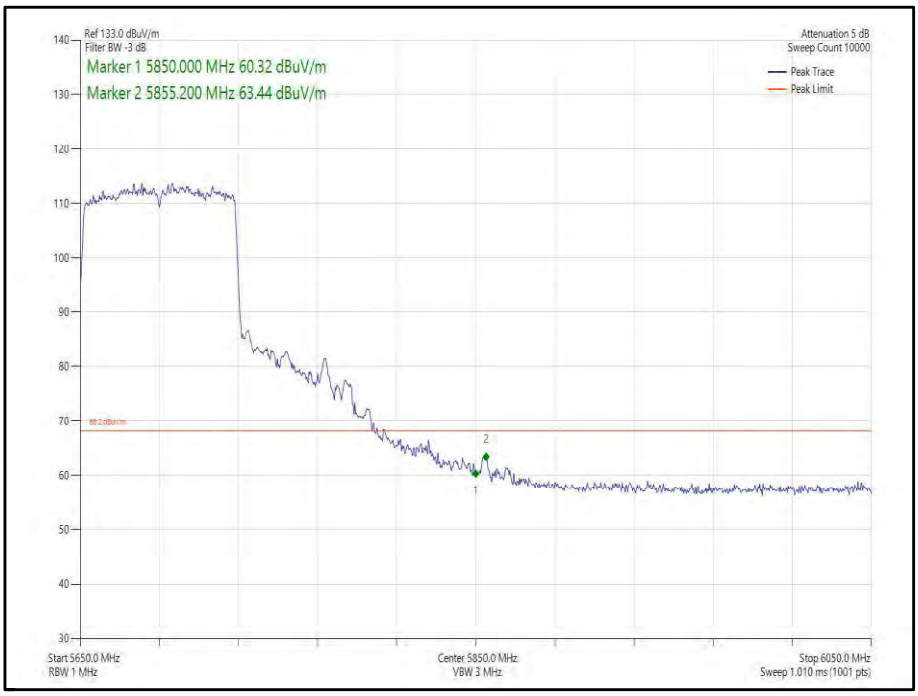

**Figure 445 - 802.11ac, VHT80, SISO, Core 1 - 5690 MHz,
Band Edge Frequency 5850 MHz**

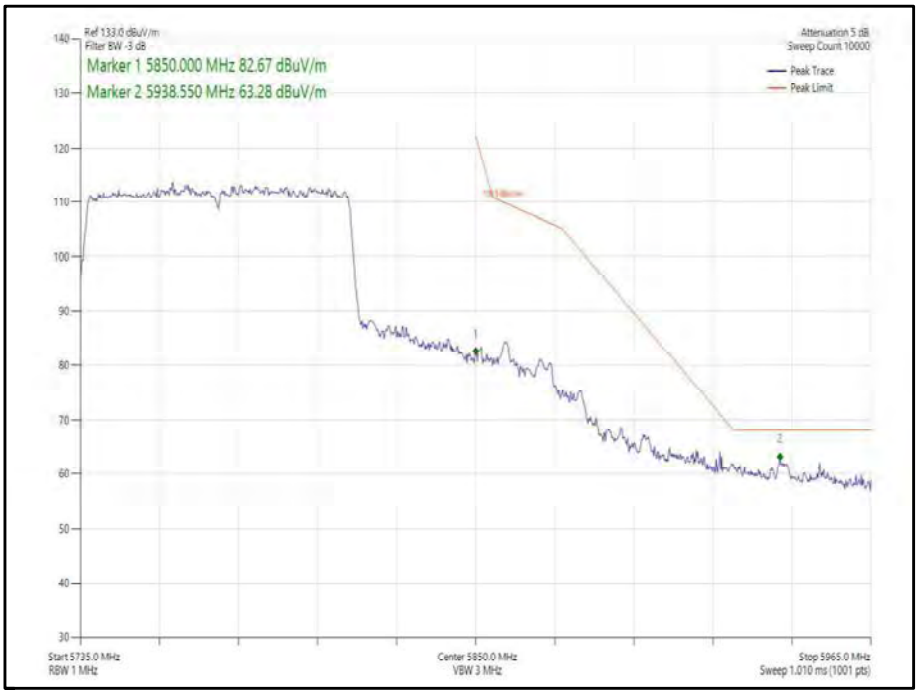

**Figure 446 - 802.11ac, VHT80, SISO, Core 1 - 5775 MHz,
Band Edge Frequency 5850 MHz**

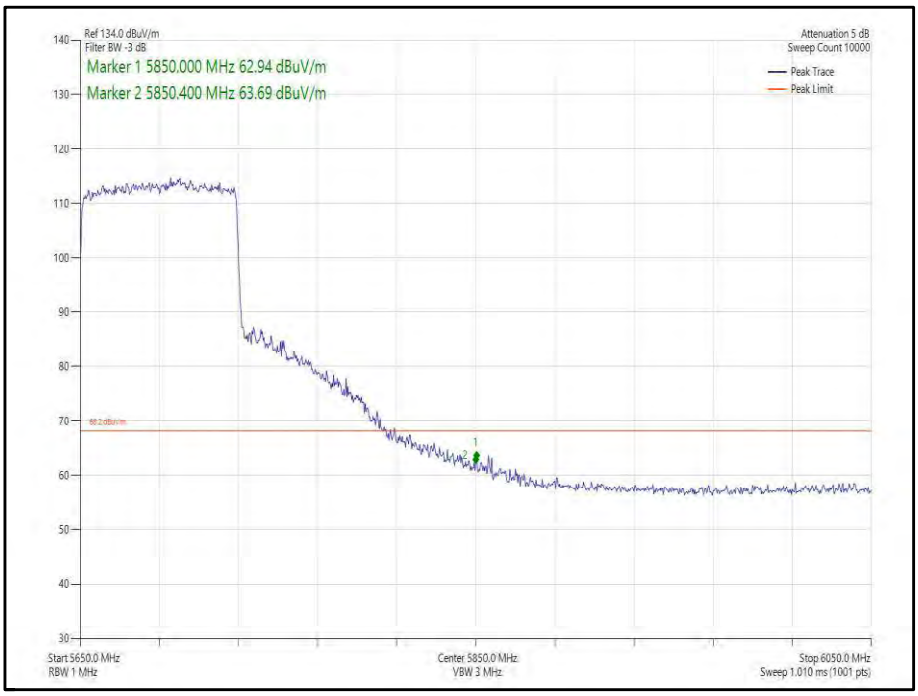

Figure 447 - 802.11ax, HE80, SU, SISO, Core 1 - 5690 MHz, Band Edge Frequency 5850 MHz

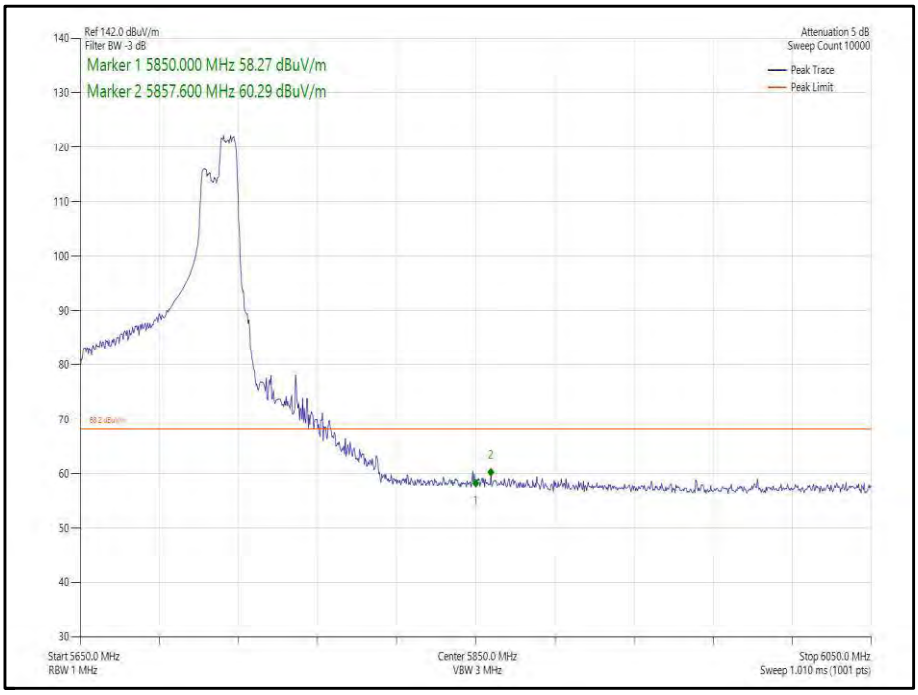

Figure 448 - 802.11ax, HE80, RU 106-60, SISO, Core 1 - 5690 MHz, Band Edge Frequency 5850 MHz

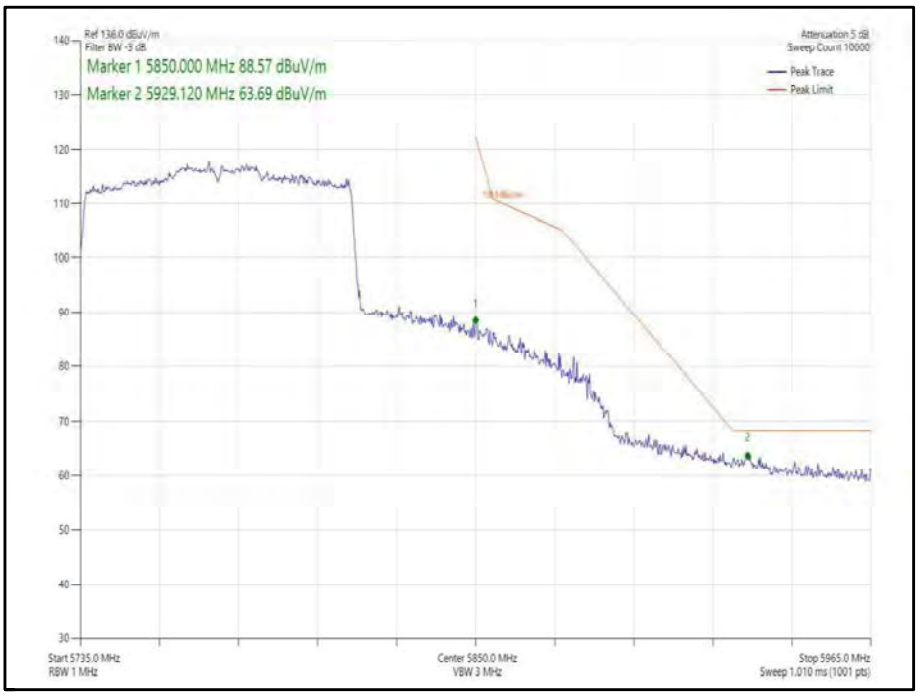

Figure 449 - 802.11ax, HE80, SU, SISO, Core 1 - 5775 MHz, Band Edge Frequency 5850 MHz

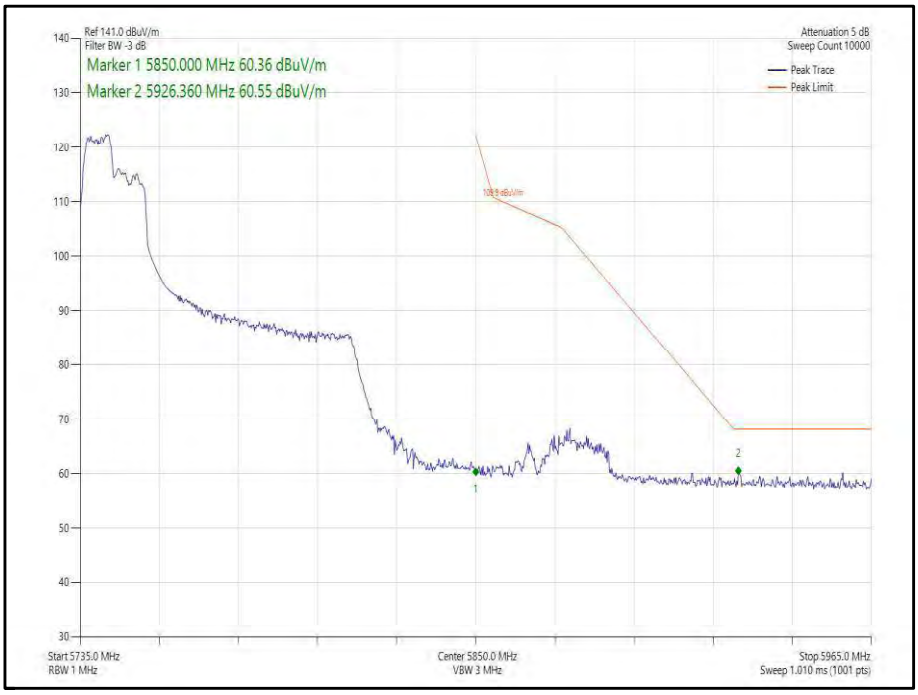

Figure 450 - 802.11ax, HE80, RU 106-53, SISO, Core 1 - 5775 MHz, Band Edge Frequency 5850 MHz

80 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
802.11ac, VHT80	MCS2x1	-	-	5530	5470	63.55
802.11ax, HE80	MCS4x1	SU	-	5530	5470	63.36
802.11ax, HE80	MCS11x1	106	53	5530	5470	63.42
802.11ac, VHT80	MCS4x1	-	-	5775	5725	63.60
802.11ax, HE80	MCS2x1	SU	-	5775	5725	63.63
802.11ax, HE80	MCS11x1	106	60	5775	5725	63.69
802.11ac, VHT80	MCS4x1	-	-	5610	5725	63.45
802.11ax, HE80	MCS2x1	SU	-	5610	5725	63.55
802.11ax, HE80	MCS11x1	52	37	5610	5725	63.21
802.11ac, VHT80	MCS4x1	-	-	5690	5850	63.52
802.11ac, VHT80	MCS8x1	-	-	5775	5850	63.15
802.11ax, HE80	MCS11x1	SU	-	5690	5850	63.55
802.11ax, HE80	MCS11x1	106	60	5690	5850	60.14
802.11ax, HE80	MCS11x1	SU	-	5775	5850	63.34
802.11ax, HE80	MCS11x1	106	60	5775	5850	60.60

Table 673 - CDD Authorised Band Edge Results

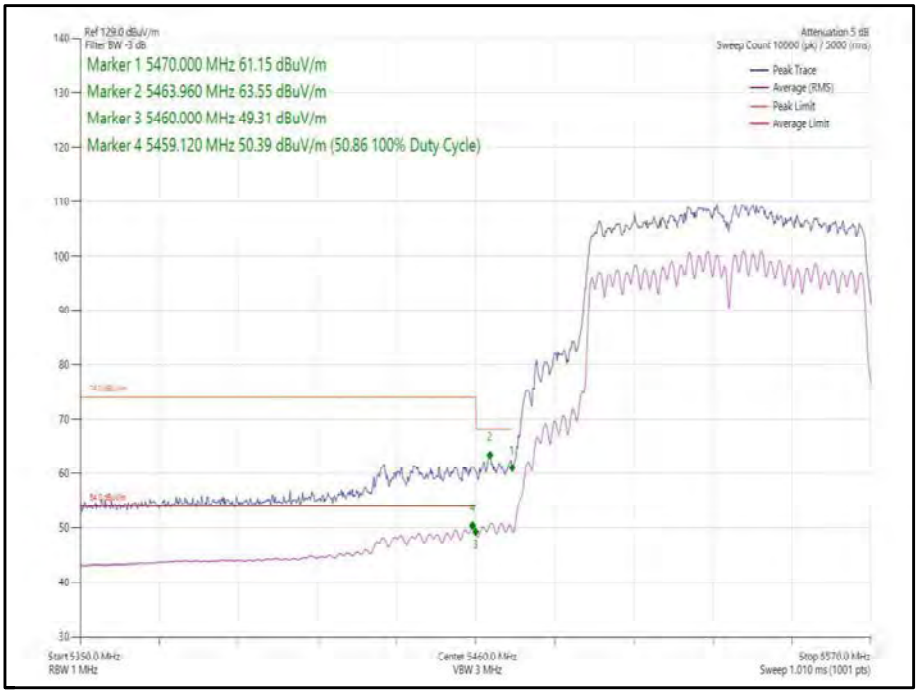

Figure 451 - 802.11ac, VHT80, CDD, Core 0-1 - 5530 MHz, Band Edge Frequency 5470 MHz

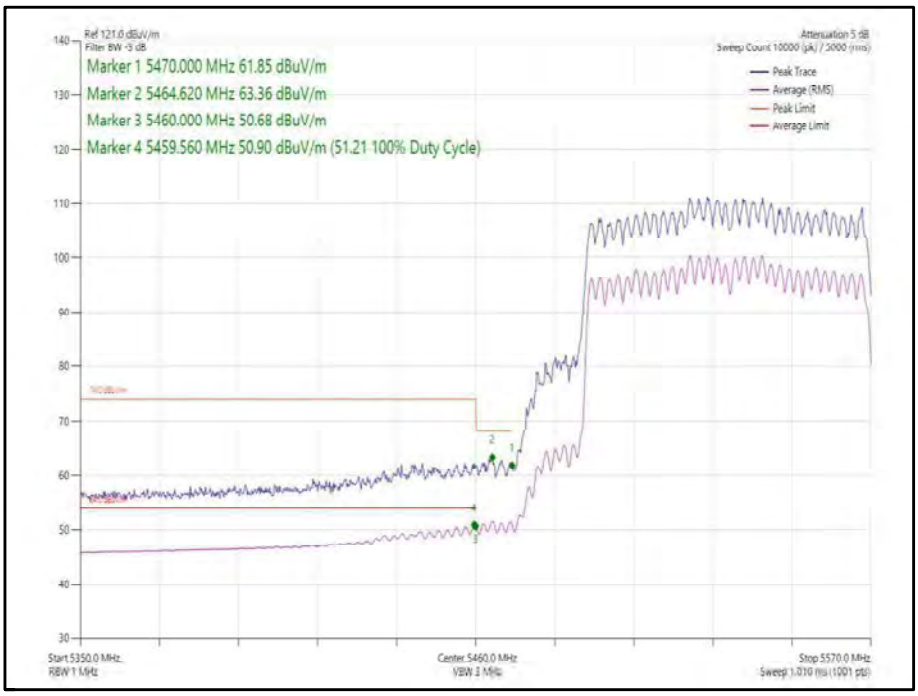

Figure 452 - 802.11ax, HE80, SU, CDD, Core 0-1 - 5530 MHz, Band Edge Frequency 5470 MHz

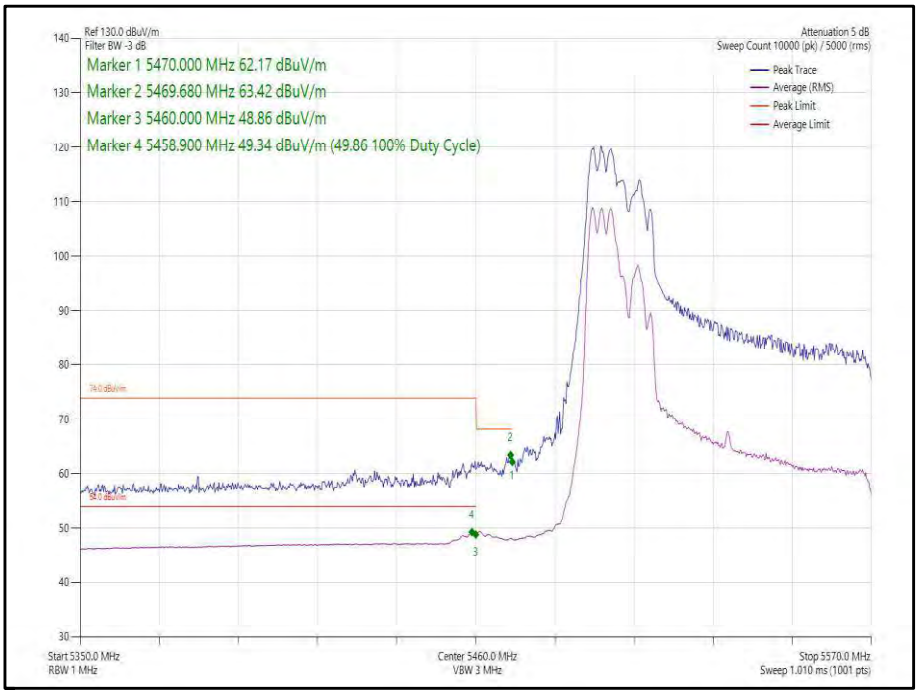

Figure 453 - 802.11ax, HE80, RU 106-53, CDD, Core 0-1 - 5530 MHz, Band Edge Frequency 5470 MHz

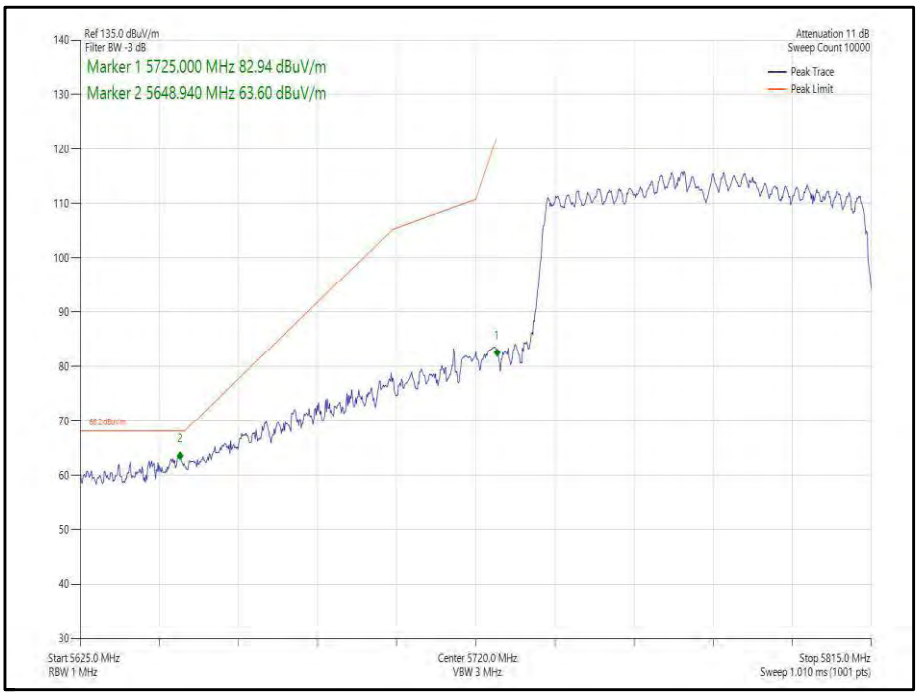

Figure 454 - 802.11ac, VHT80, CDD, Core 0-1 - 5775 MHz, Band Edge Frequency 5725 MHz

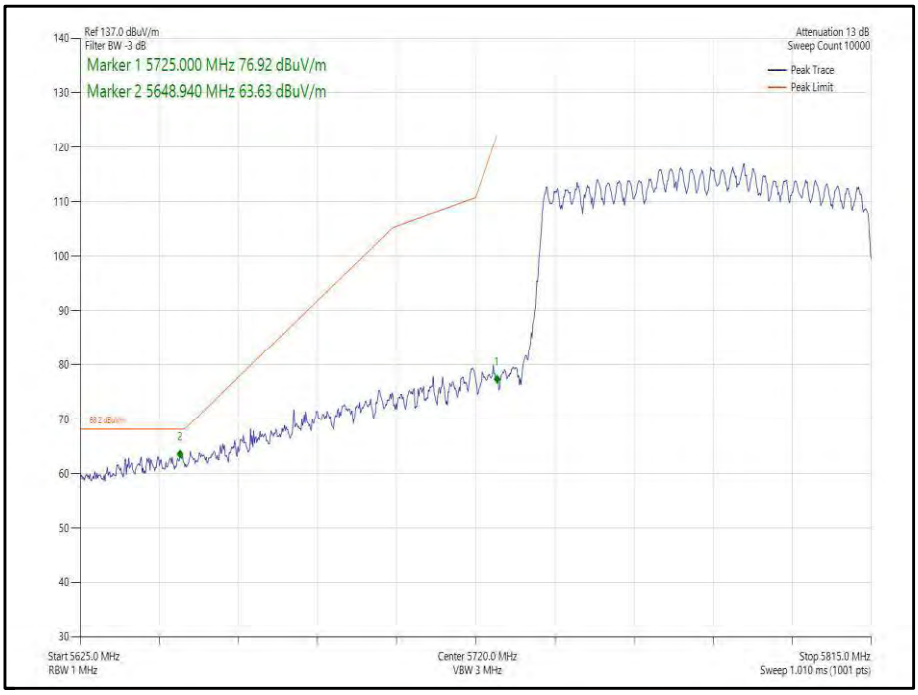

Figure 455 - 802.11ax, HE80, SU, CDD, Core 0-1 - 5775 MHz, Band Edge Frequency 5725 MHz

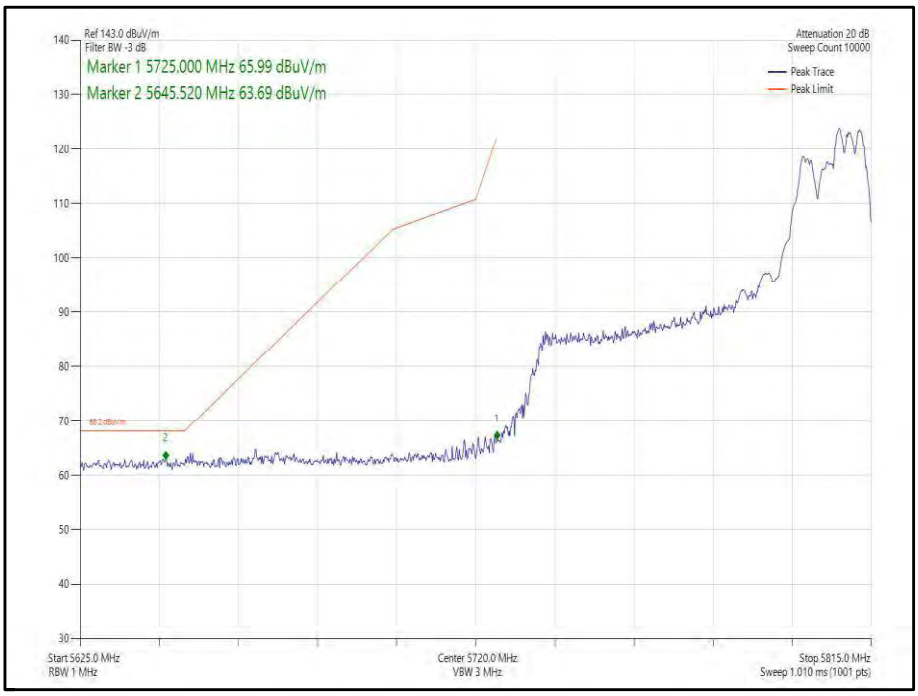

Figure 456 - 802.11ax, HE80, RU 106-60, CDD, Core 0-1 - 5775 MHz, Band Edge Frequency 5725 MHz

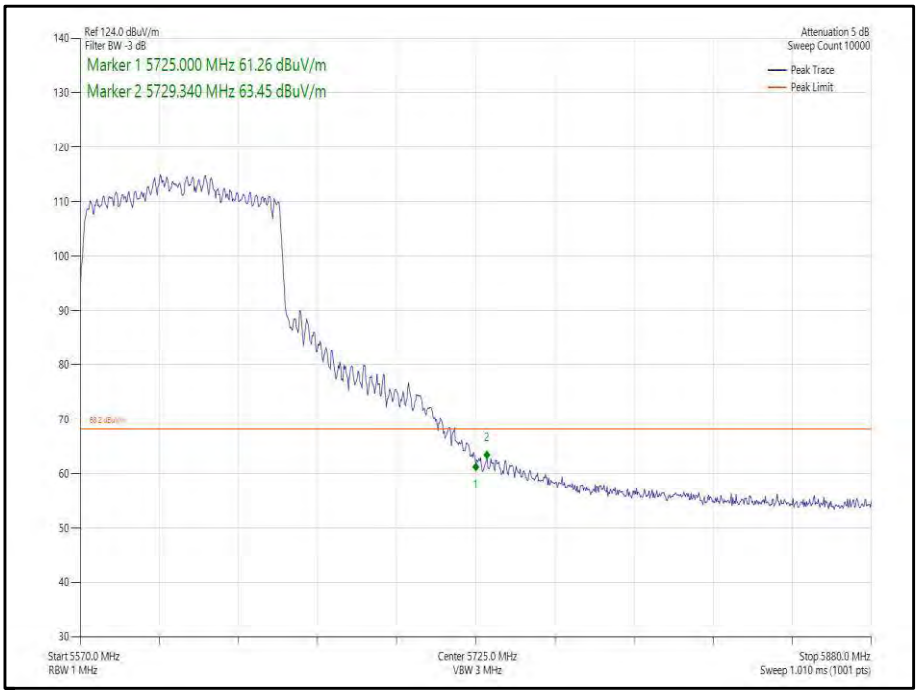

Figure 457 - 802.11ac, VHT80, CDD, Core 0-1 - 5610 MHz, Band Edge Frequency 5725 MHz

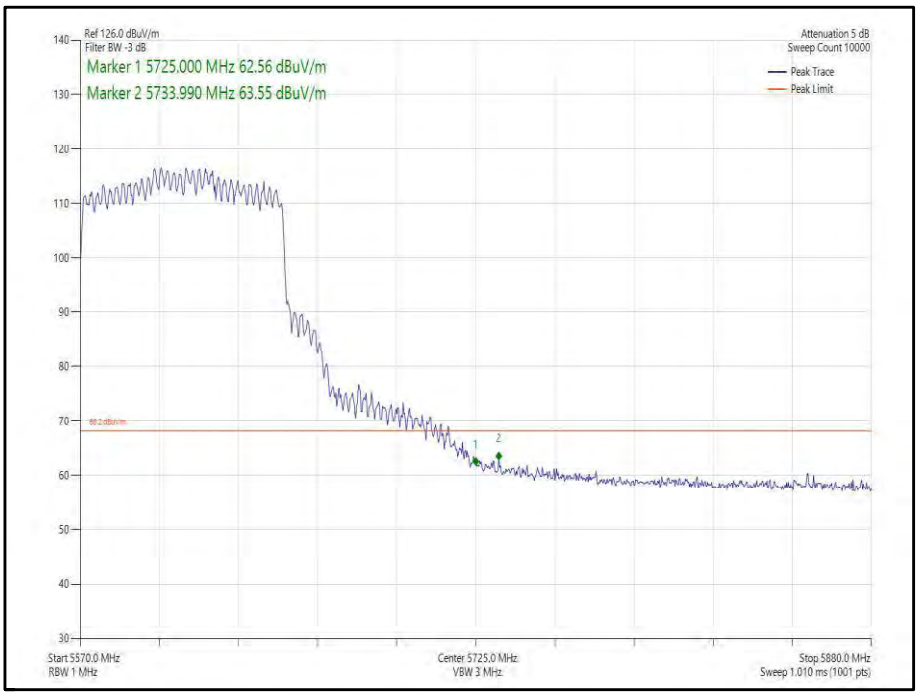

Figure 458 - 802.11ax, HE80, SU, CDD, Core 0-1 - 5610 MHz, Band Edge Frequency 5725 MHz

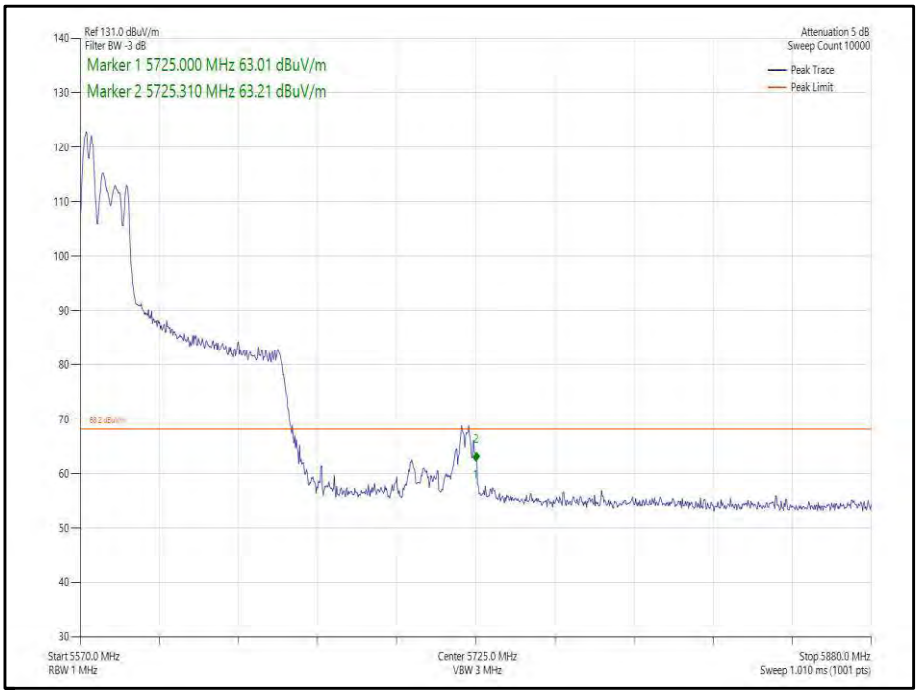

Figure 459 - 802.11ax, HE80, RU 52-37, CDD, Core 0-1 - 5610 MHz, Band Edge Frequency 5725 MHz

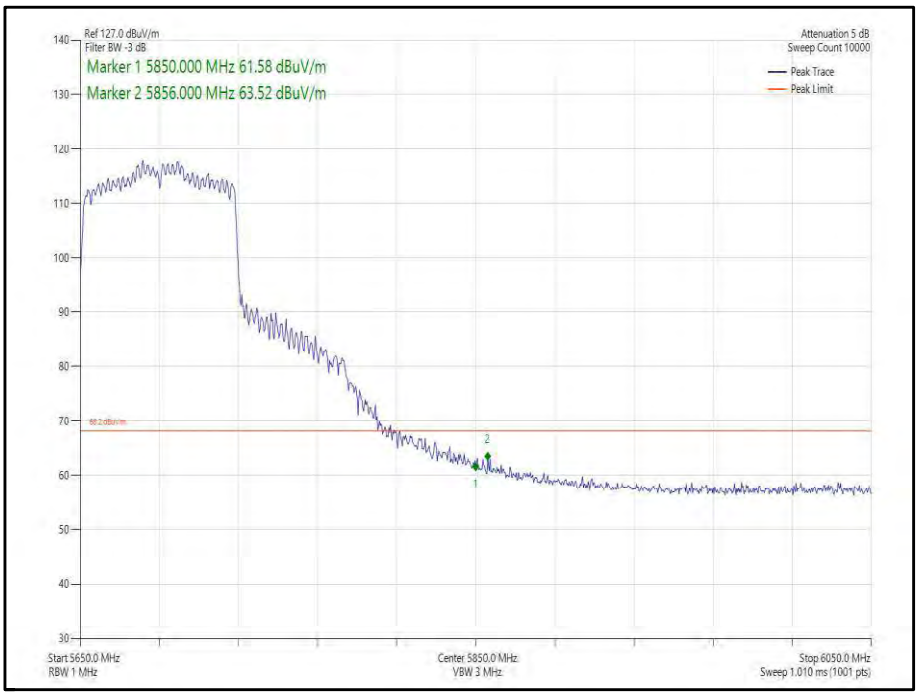

Figure 460 - 802.11ac, VHT80, CDD, Core 0-1 - 5690 MHz, Band Edge Frequency 5850 MHz

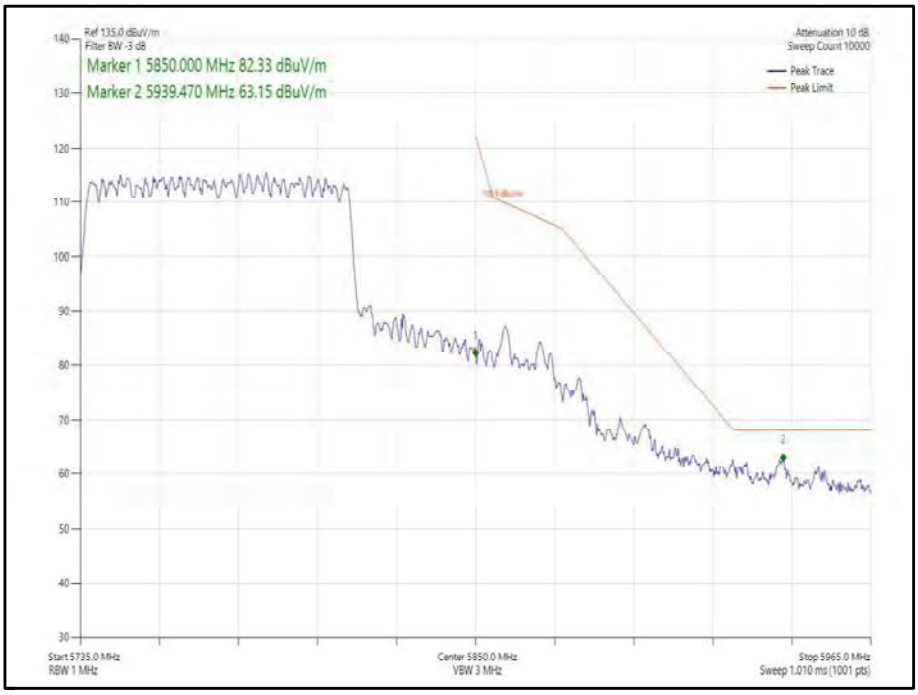

Figure 461 - 802.11ac, VHT80, CDD, Core 0-1 - 5775 MHz, Band Edge Frequency 5850 MHz

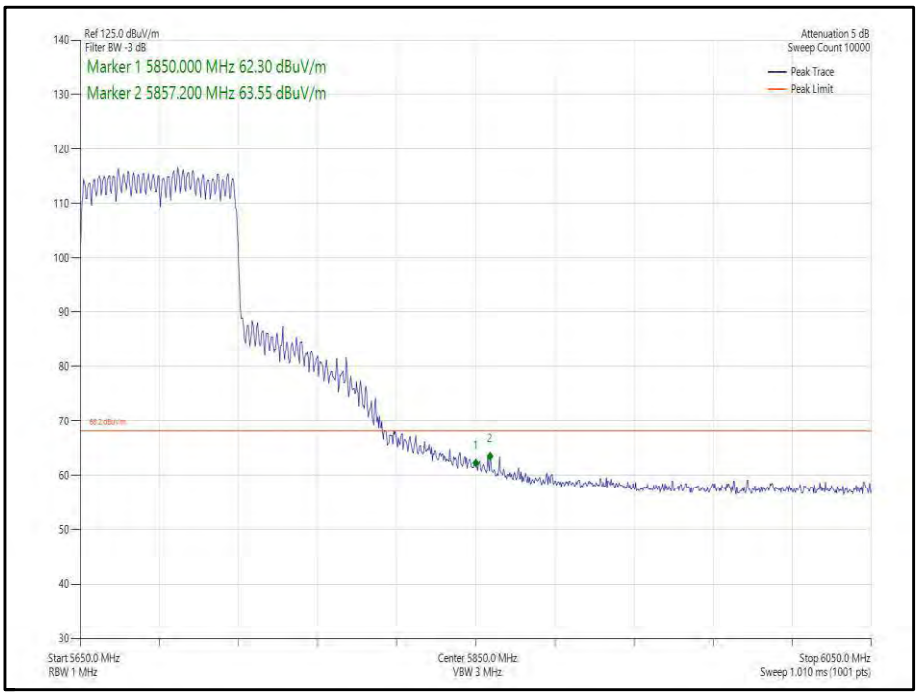

Figure 462 - 802.11ax, HE80, SU, CDD, Core 0-1 - 5690 MHz, Band Edge Frequency 5850 MHz

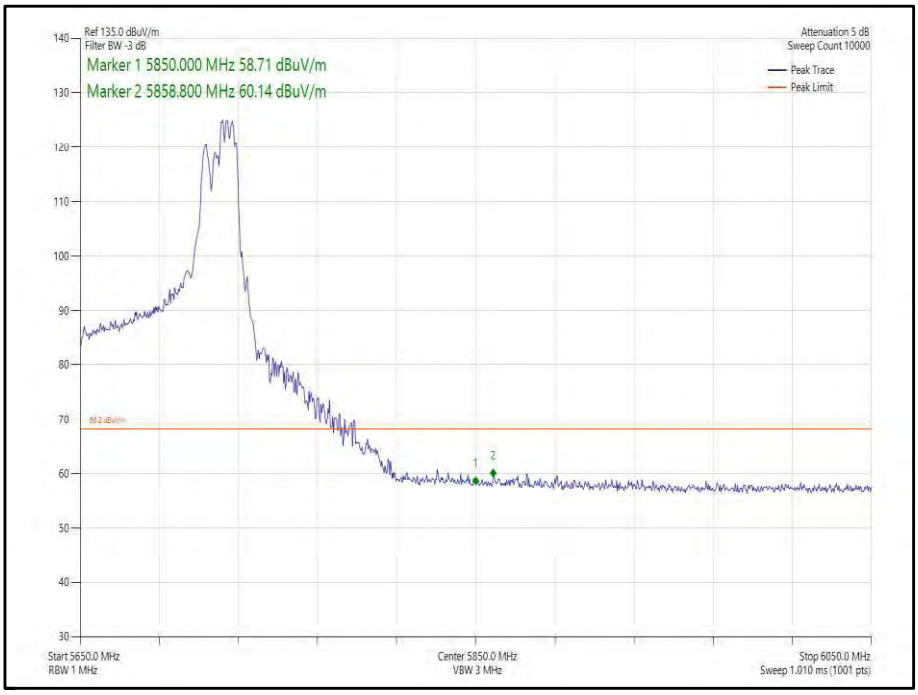

Figure 463 - 802.11ax, HE80, RU 106-60, CDD, Core 0-1 - 5690 MHz, Band Edge Frequency 5850 MHz

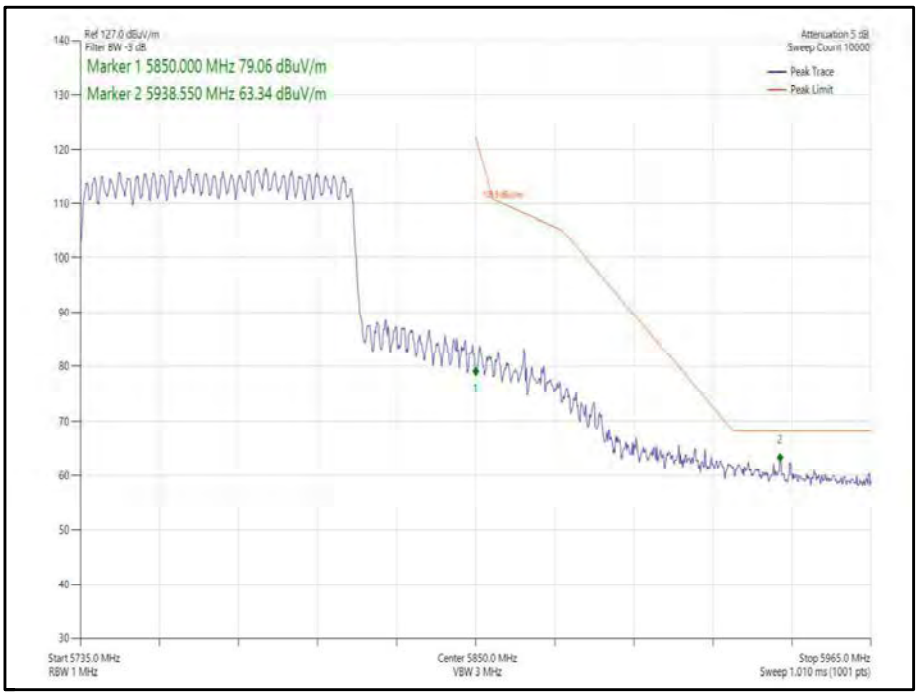

Figure 464 - 802.11ax, HE80, SU, CDD, Core 0-1 - 5775 MHz, Band Edge Frequency 5850 MHz

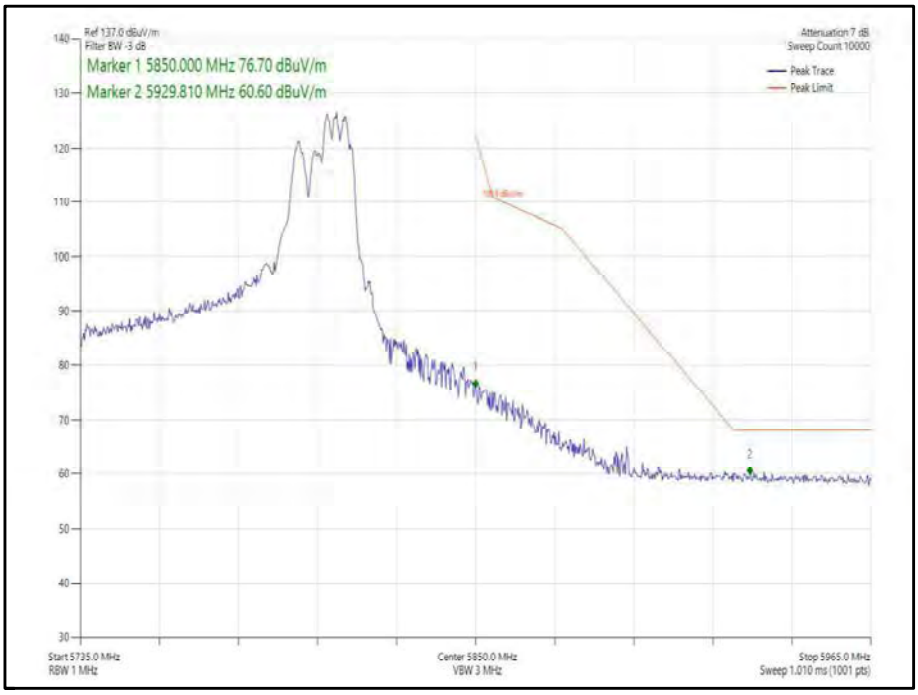

Figure 465 - 802.11ax, HE80, RU 106-60, CDD, Core 0-1 - 5775 MHz, Band Edge Frequency 5850 MHz

80 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
802.11ac, VHT80	MCS2x2	-	-	5530	5470	63.20
802.11ax, HE80	MCS11x2	SU	-	5530	5470	63.70
802.11ax, HE80	MCS11x2	106	60	5530	5470	63.62
802.11ac, VHT80	MCS2x2	-	-	5775	5725	63.68
802.11ax, HE80	MCS11x2	SU	-	5775	5725	64.63
802.11ax, HE80	MCS11x2	106	53	5775	5725	60.59
802.11ac, VHT80	MCS2x2	-	-	5610	5725	63.62
802.11ax, HE80	MCS11x2	SU	-	5610	5725	63.66
802.11ax, HE80	MCS11x2	106	60	5610	5725	63.60
802.11ac, VHT80	MCS4x2	-	-	5690	5850	63.62
802.11ac, VHT80	MCS8x2	-	-	5775	5850	63.44
802.11ax, HE80	MCS4x2	SU	-	5690	5850	63.38
802.11ax, HE80	MCS11x2	52	52	5690	5850	61.66
802.11ax, HE80	MCS11x2	SU	-	5775	5850	63.63
802.11ax, HE80	MCS11x2	106	53	5775	5850	63.12

Table 674 - SDM Authorised Band Edge Results

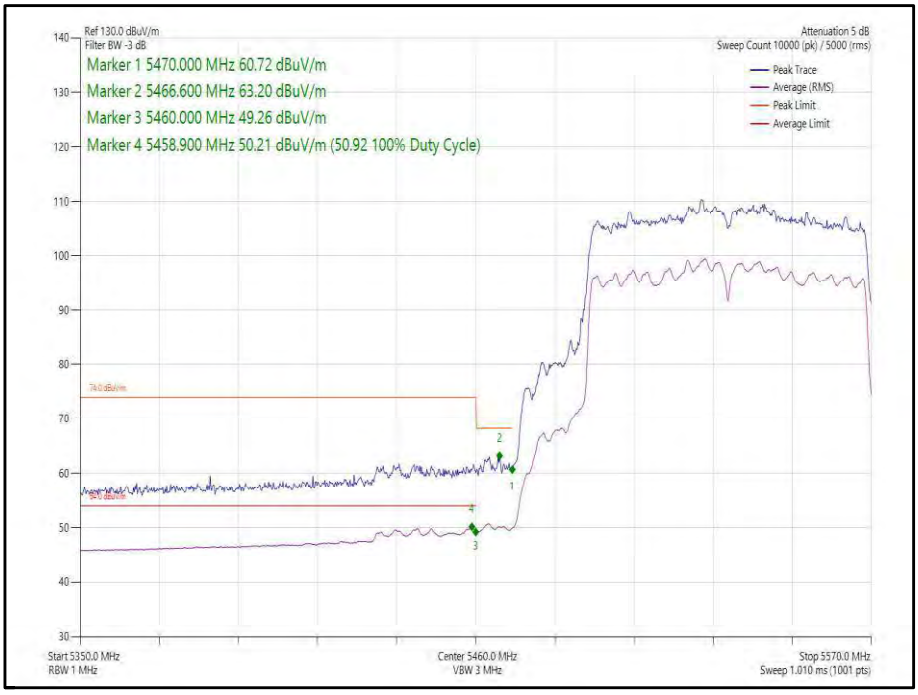

Figure 466 - 802.11ac, VHT80, SDM, Core 0-1 - 5530 MHz, Band Edge Frequency 5470 MHz

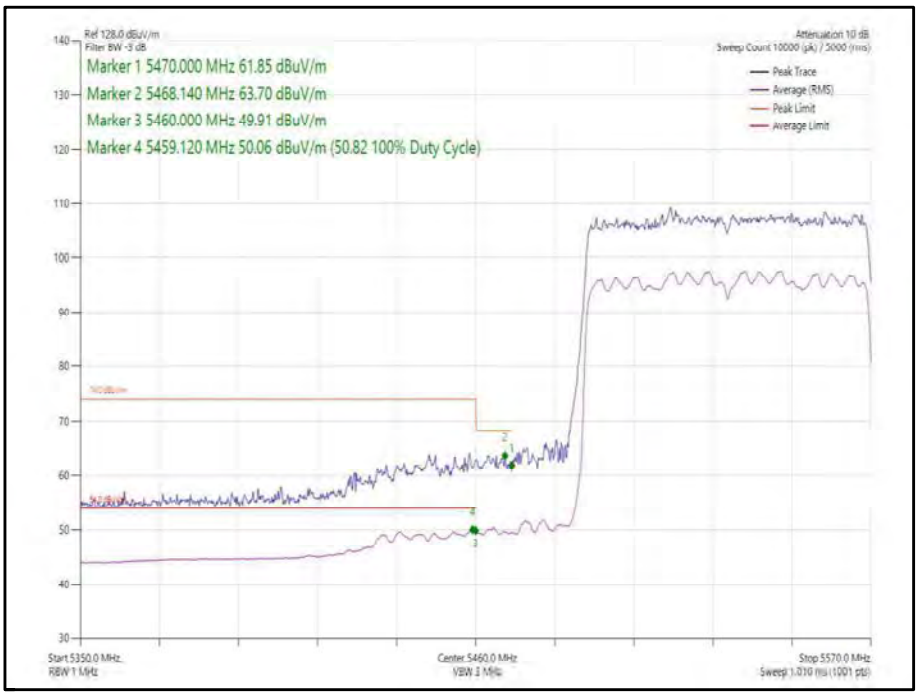

Figure 467 - 802.11ax, HE80, SU, SDM, Core 0-1 - 5530 MHz, Band Edge Frequency 5470 MHz

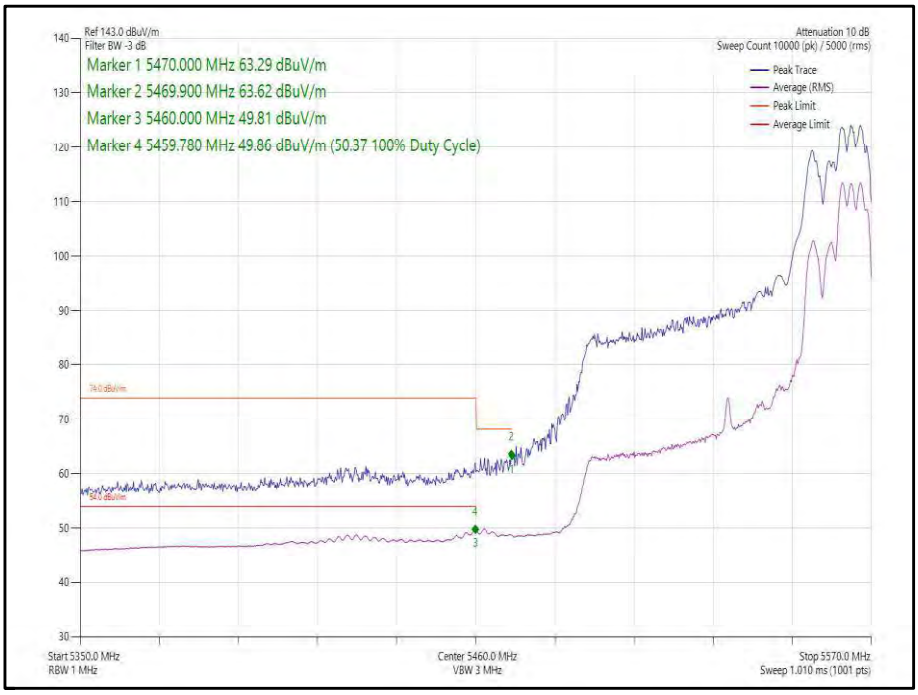

Figure 468 - 802.11ax, HE80, RU 106-60, SDM, Core 0-1 - 5530 MHz, Band Edge Frequency 5470 MHz

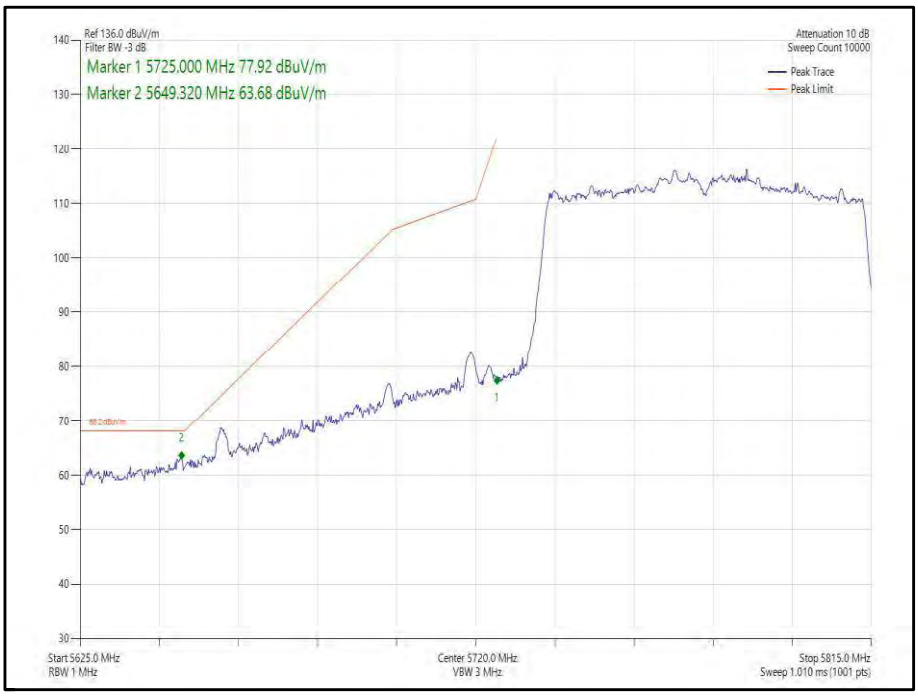

Figure 469 - 802.11ac, VHT80, SDM, Core 0-1 - 5775 MHz, Band Edge Frequency 5725 MHz

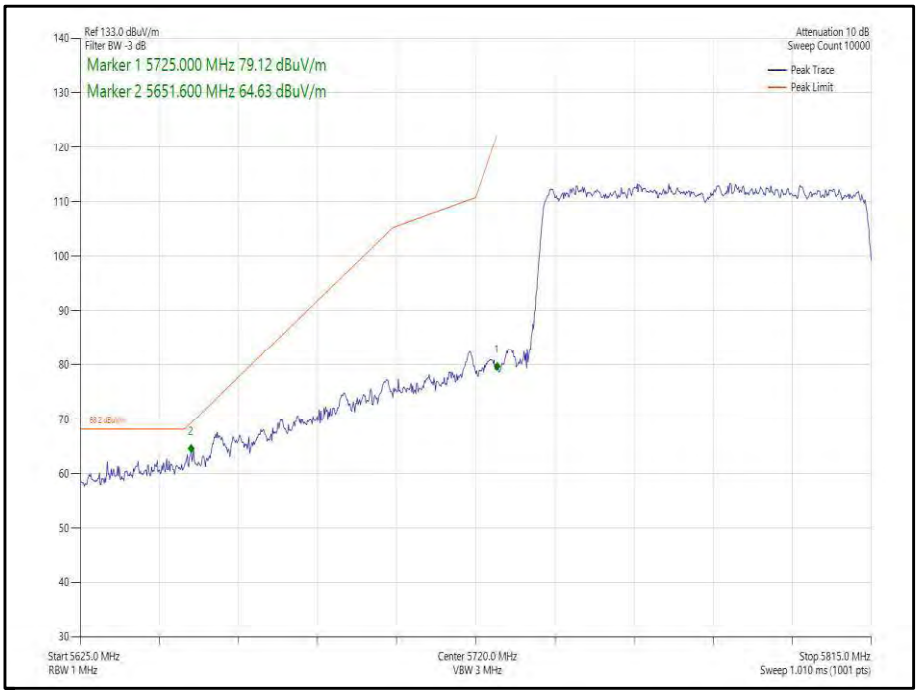

Figure 470 - 802.11ax, HE80, SU, SDM, Core 0-1 - 5775 MHz, Band Edge Frequency 5725 MHz

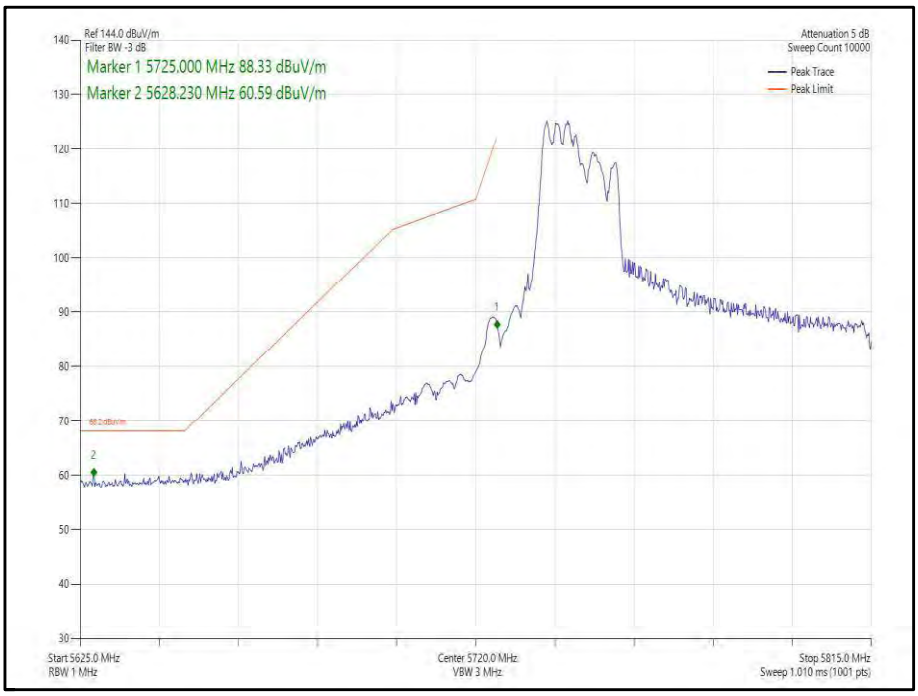

Figure 471 - 802.11ax, HE80, RU 106-53, SDM, Core 0-1 - 5775 MHz, Band Edge Frequency 5725 MHz

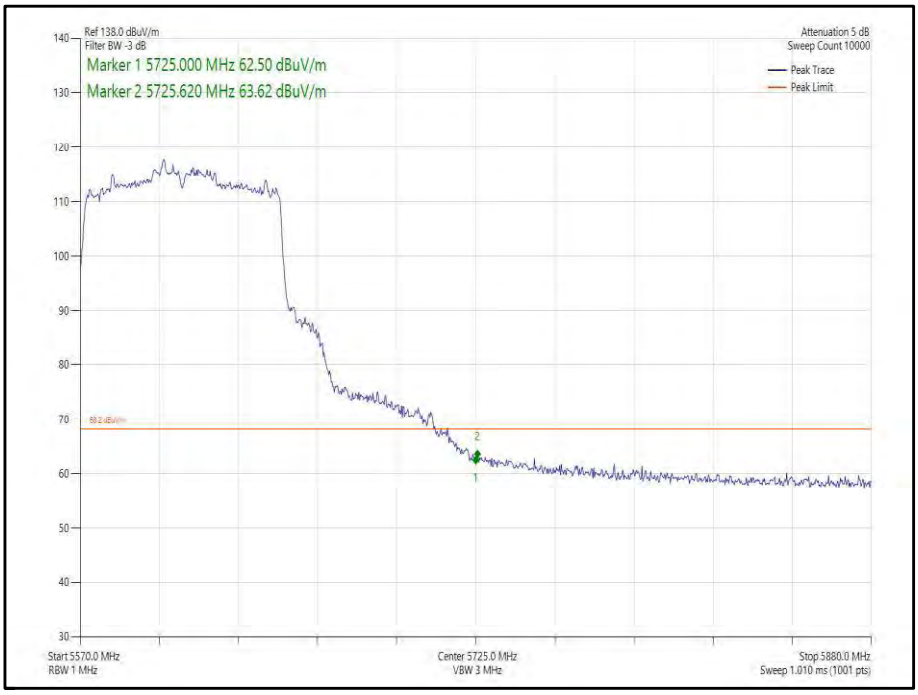

Figure 472 - 802.11ac, VHT80, SDM, Core 0-1 - 5610 MHz, Band Edge Frequency 5725 MHz

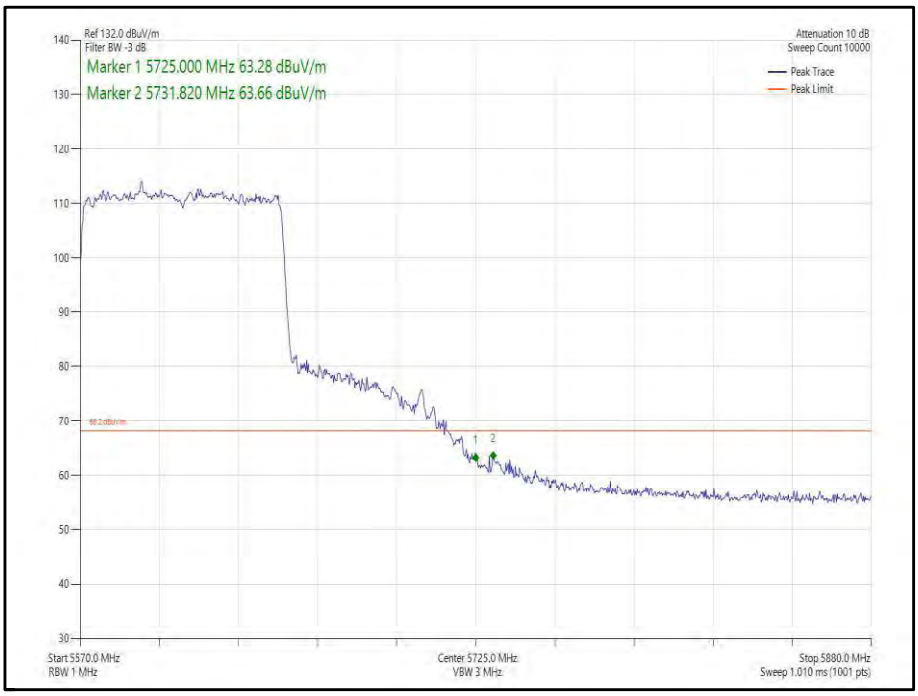

Figure 473 - 802.11ax, HE80, SU, SDM, Core 0-1 - 5610 MHz, Band Edge Frequency 5725 MHz

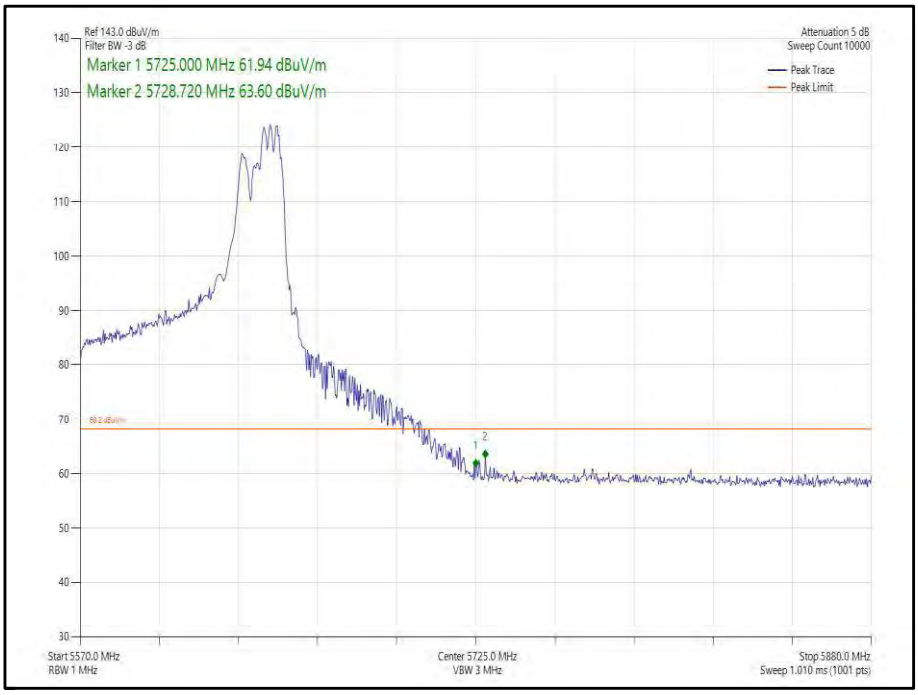

Figure 474 - 802.11ax, HE80, RU 106-60, SDM, Core 0-1 - 5610 MHz, Band Edge Frequency 5725 MHz

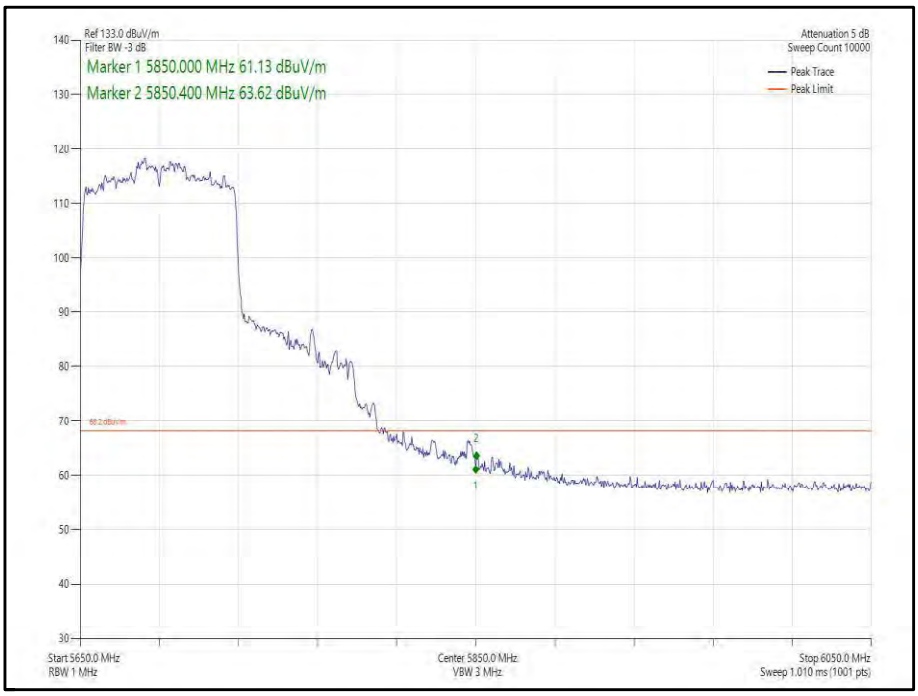

Figure 475 - 802.11ac, VHT80, SDM, Core 0-1 - 5690 MHz, Band Edge Frequency 5850 MHz

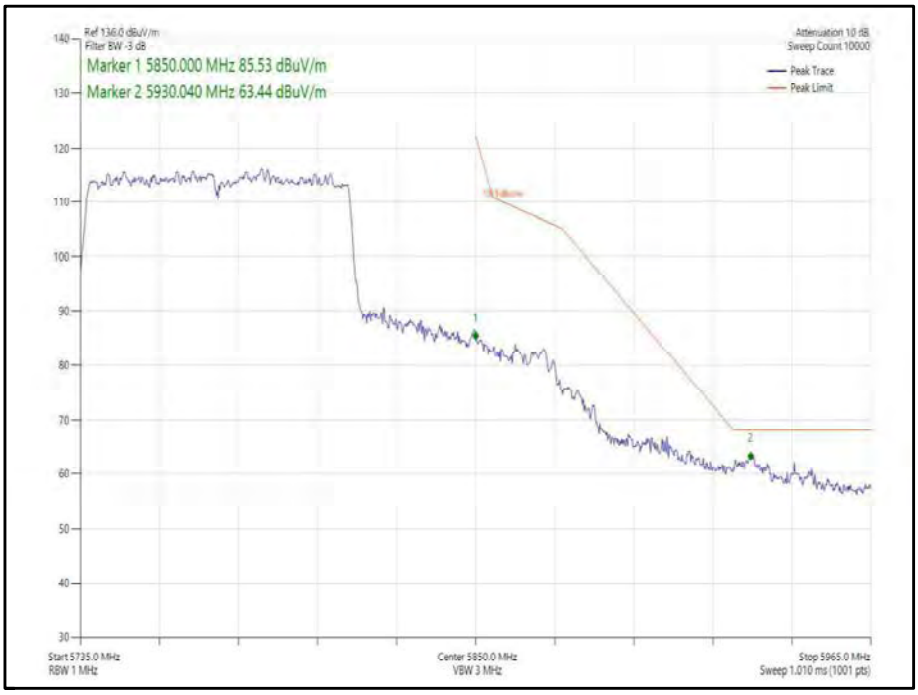

Figure 476 - 802.11ac, VHT80, SDM, Core 0-1 - 5775 MHz, Band Edge Frequency 5850 MHz

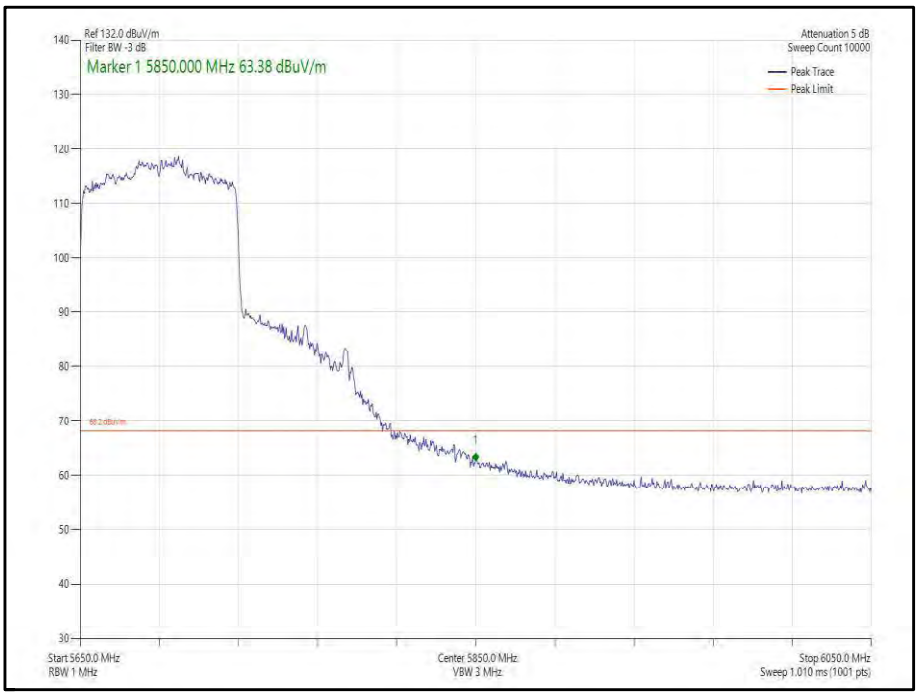

Figure 477 - 802.11ax, HE80, SU SDM, Core 0-1 - 5690 MHz, Band Edge Frequency 5850 MHz

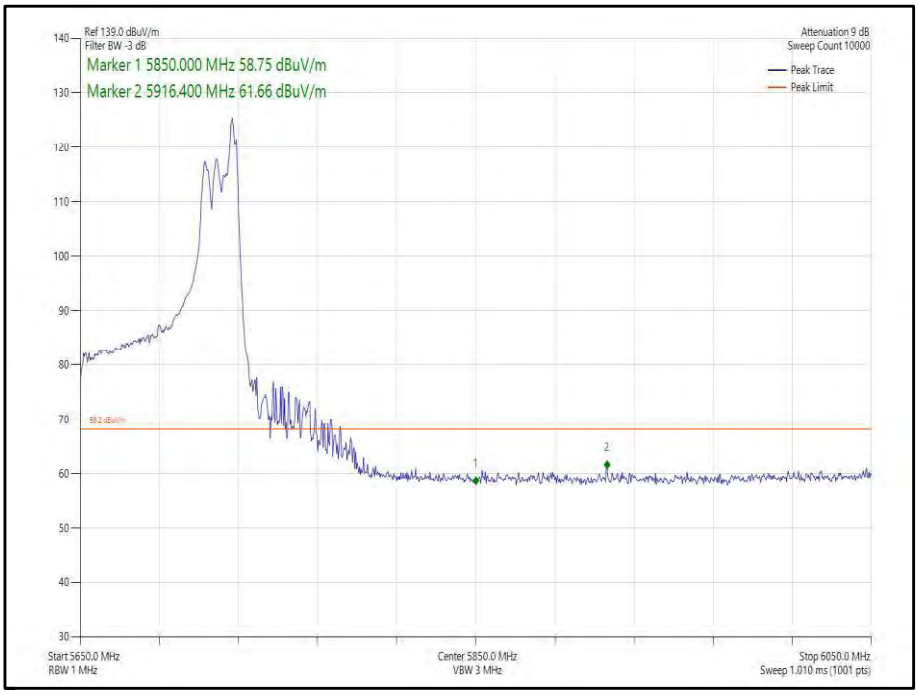

Figure 478 - 802.11ax, HE80, RU 52-52, SDM, Core 0-1 - 5690 MHz, Band Edge Frequency 5850 MHz

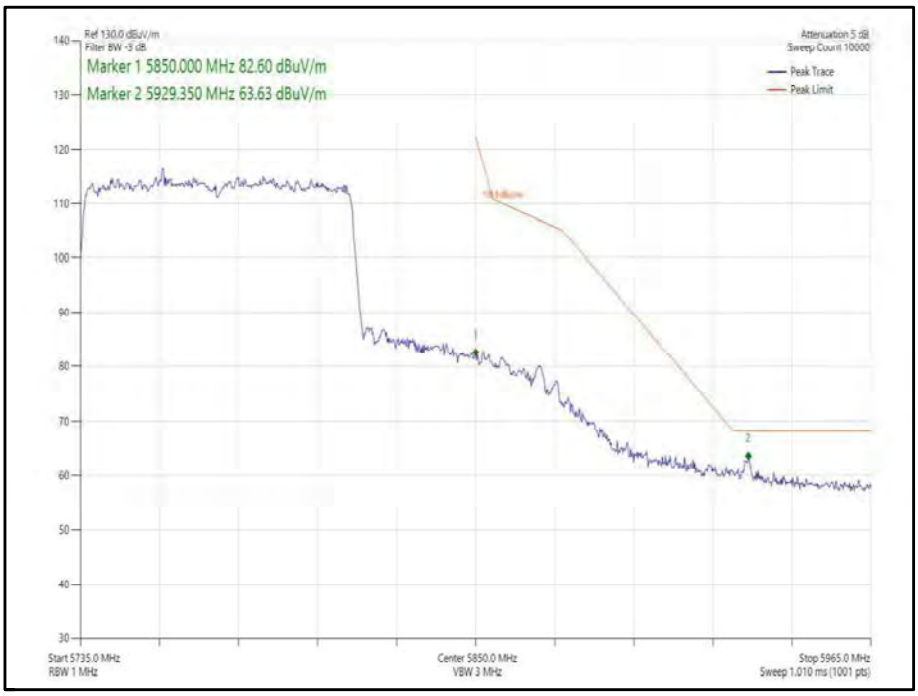

Figure 479 - 802.11ax, HE80, SU, SDM, Core 0-1 - 5775 MHz, Band Edge Frequency 5850 MHz

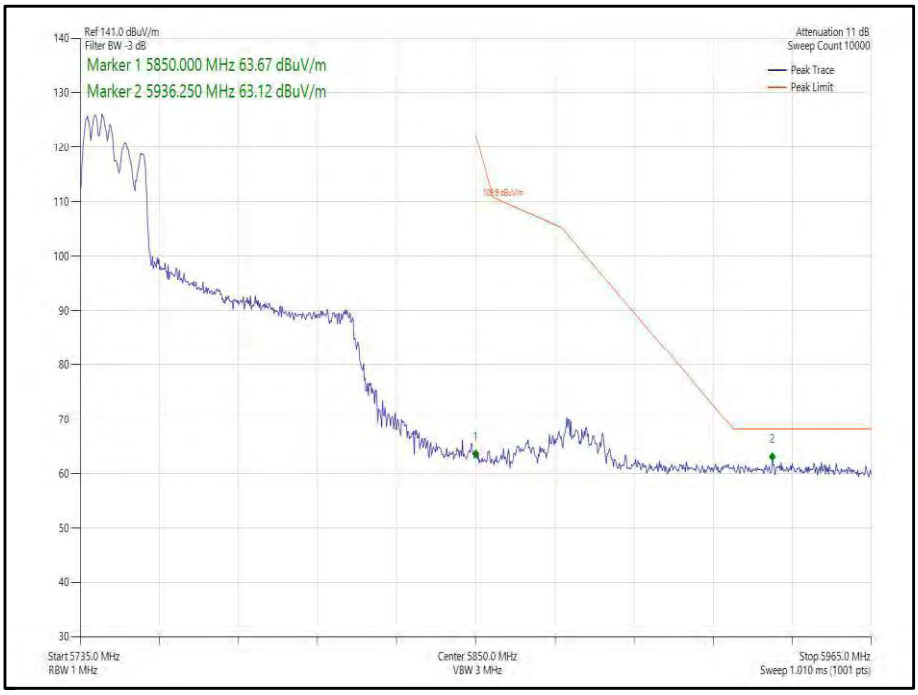

Figure 480 - 802.11ax, HE80, RU 106-53, SDM, Core 0-1 - 5775 MHz, Band Edge Frequency 5850 MHz

80 MHz Bandwidth - Core 0-1 (TxBF)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
802.11ac, VHT80	MCS4x1	-	-	5530	5470	57.62
802.11ax, HE80	MCS4x1	SU	-	5530	5470	59.43
802.11ac, VHT80	MCS2x1	-	-	5775	5725	57.40
802.11ax, HE80	MCS2x1	SU	-	5775	5725	59.41
802.11ac, VHT80	MCS2x1	-	-	5610	5725	60.12
802.11ax, HE80	MCS2x1	SU	-	5610	5725	61.38
802.11ac, VHT80	MCS2x1	-	-	5775	5850	57.58
802.11ax, HE80	MCS2x1	SU	-	5775	5850	58.27

Table 675 - TxBF Authorised Band Edge Results

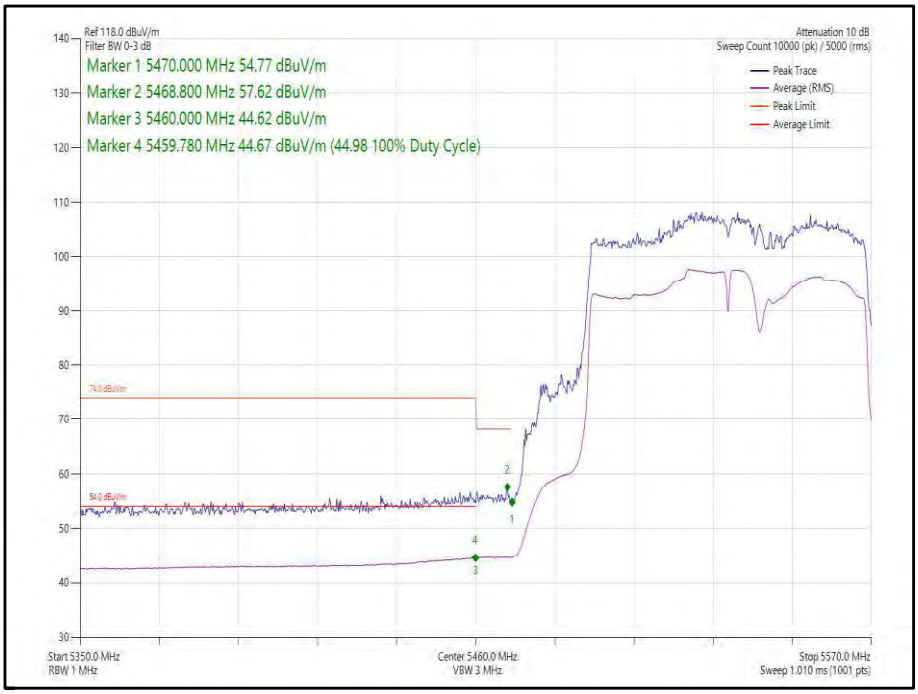

Figure 481 - 802.11ac, VHT80, TxBF, Core 0-1 - 5530 MHz, Band Edge Frequency 5470 MHz

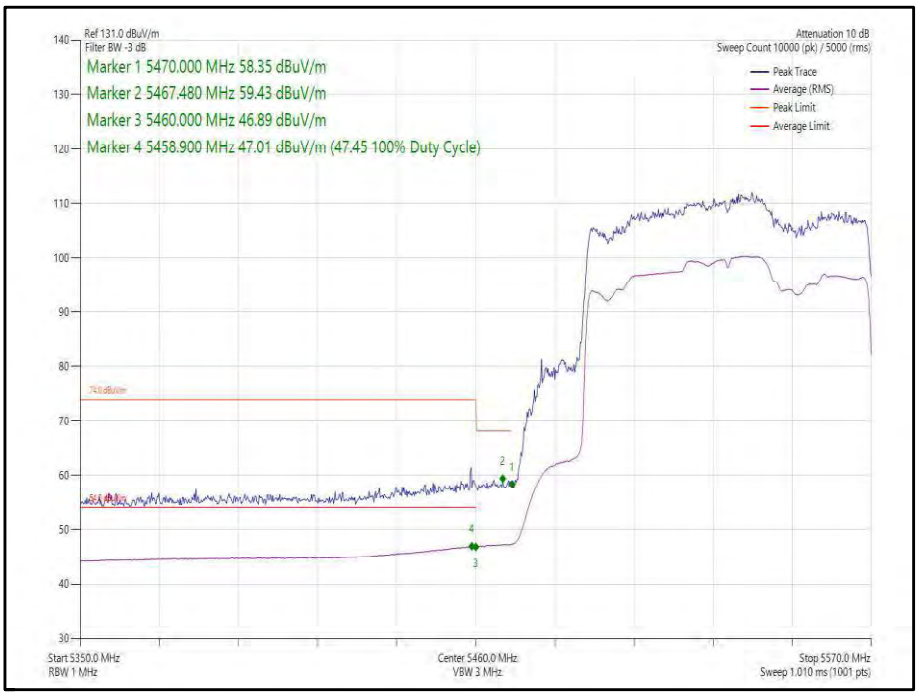

Figure 482 - 802.11ax, HE80, SU, TxBF, Core 0-1 - 5530 MHz, Band Edge Frequency 5470 MHz

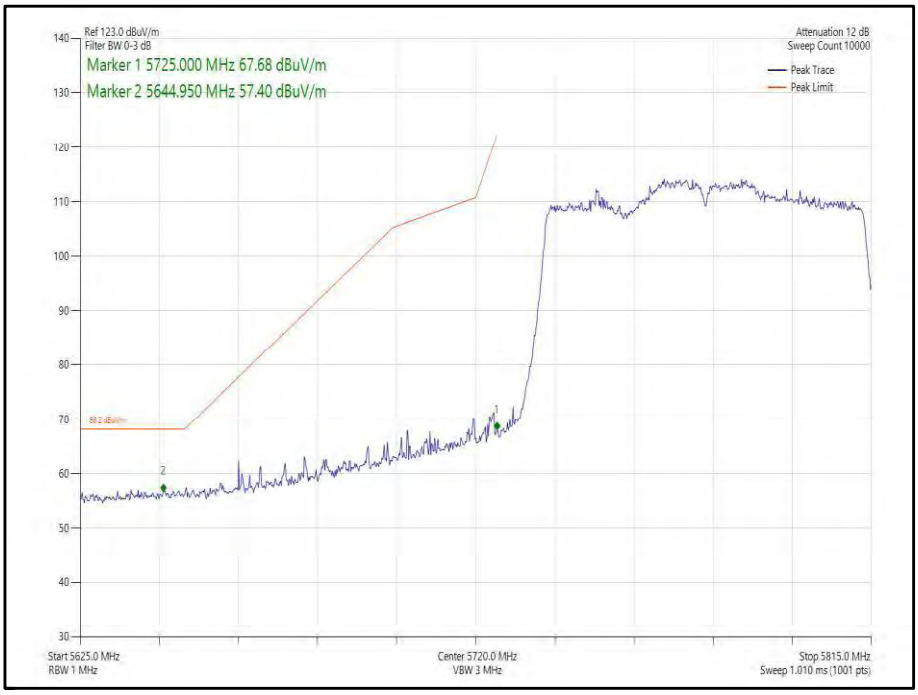

Figure 483 - 802.11ac, VHT80, TxBF, Core 0-1 - 5775 MHz, Band Edge Frequency 5725 MHz

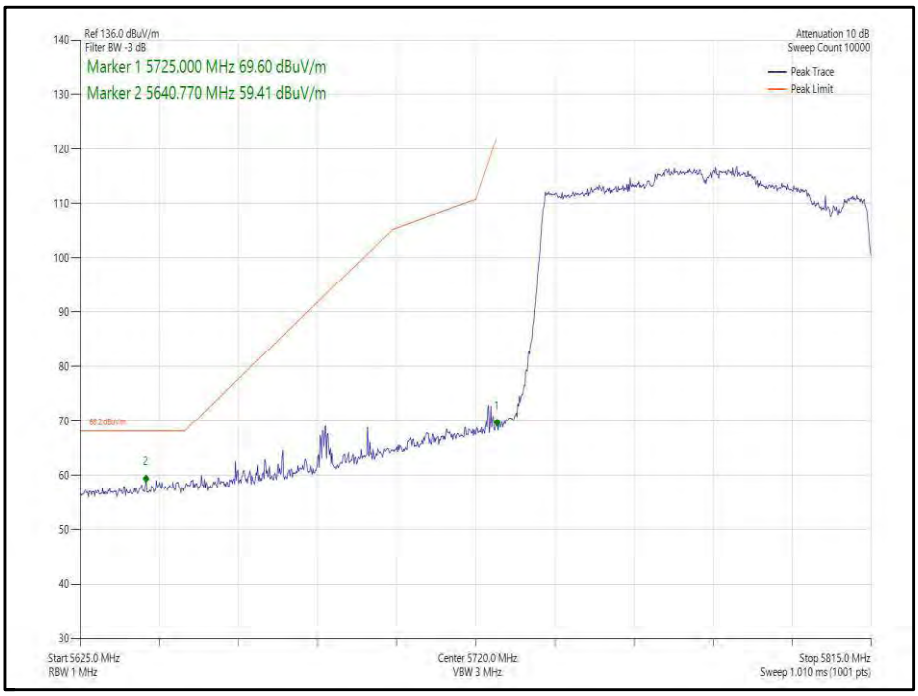

Figure 484 - 802.11ax, HE80, SU, TxBF, Core 0-1 - 5775 MHz, Band Edge Frequency 5725 MHz

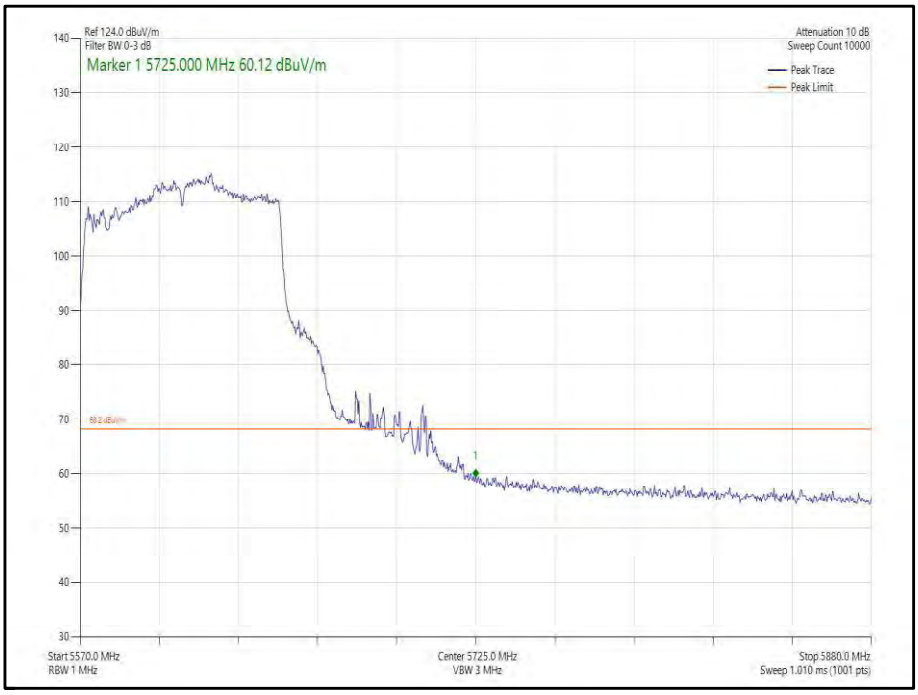

Figure 485 - 802.11ac, VHT80, TxBF, Core 0-1 - 5610 MHz, Band Edge Frequency 5725 MHz

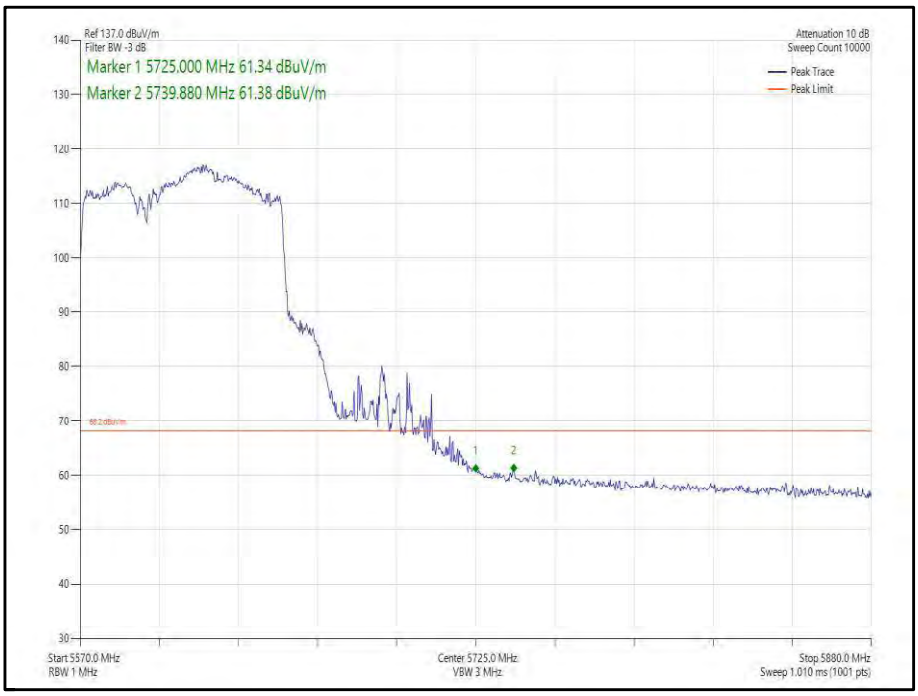

Figure 486 - 802.11ax, HE80, SU, TxBF, Core 0-1 - 5610 MHz, Band Edge Frequency 5725 MHz

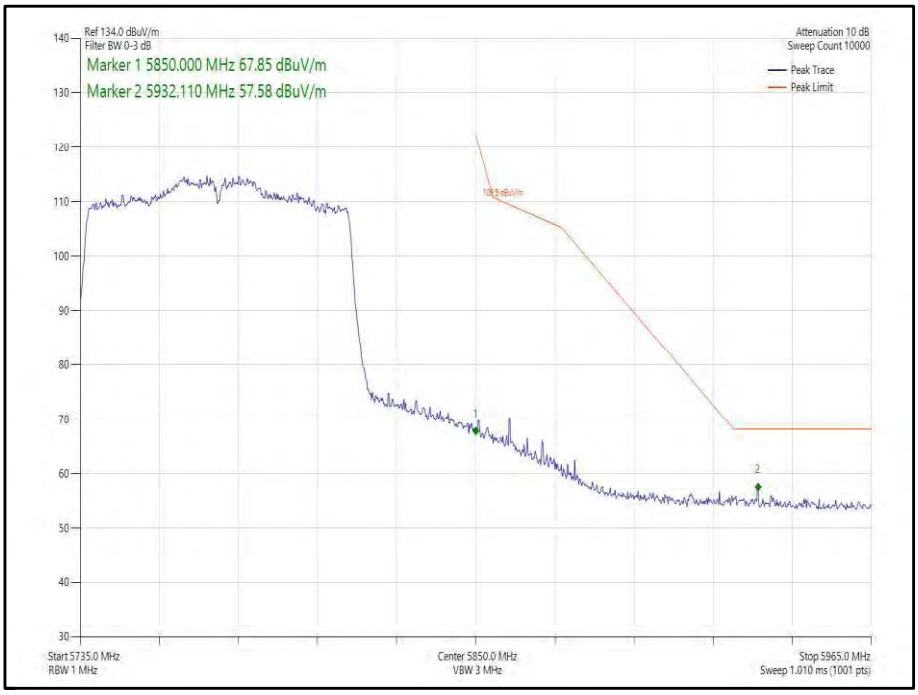

Figure 487 - 802.11ac, VHT80, TxBF, Core 0-1 - 5775 MHz, Band Edge Frequency 5850 MHz

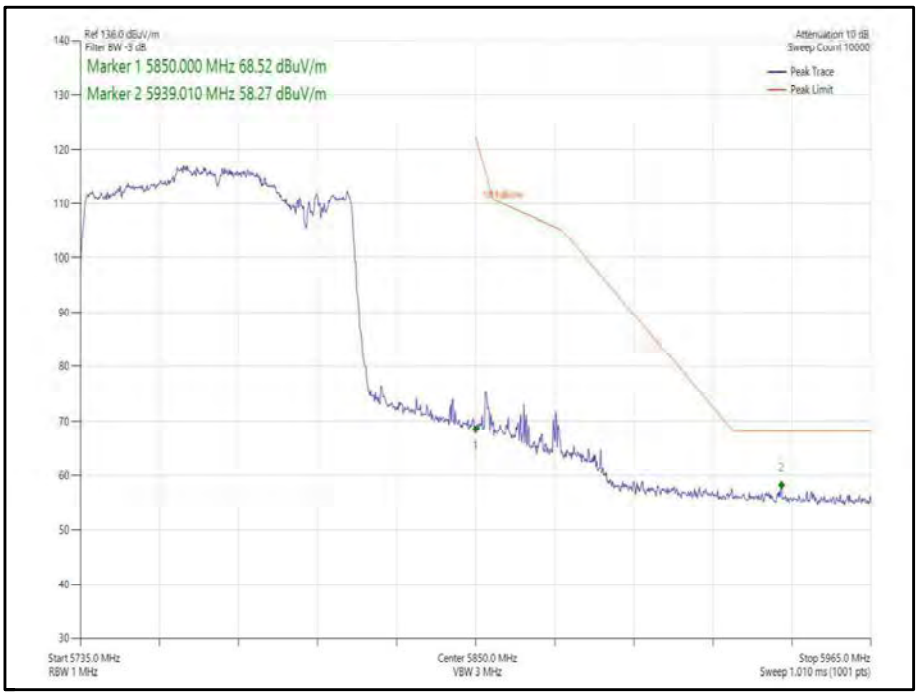

Figure 488 - 802.11ax, HE80, SU, TxBF, Core 0-1 - 5775 MHz, Band Edge Frequency 5850 MHz

160 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
802.11ac, VHT160	MCS4x1	-	-	5570	5470	60.92
802.11ax, HE160	MCS4x1	SU	-	5570	5470	62.41
802.11ax, HE160	MCS11x1	106	53	5570	5470	63.18
802.11ac, VHT160	MCS4x1	-	-	5570	5725	63.58
802.11ax, HE160	MCS11x1	SU	-	5570	5725	63.57
802.11ax, HE160	MCS11x1	52	52	5570	5725	63.66

Table 676 - SISO Authorised Band Edge Results

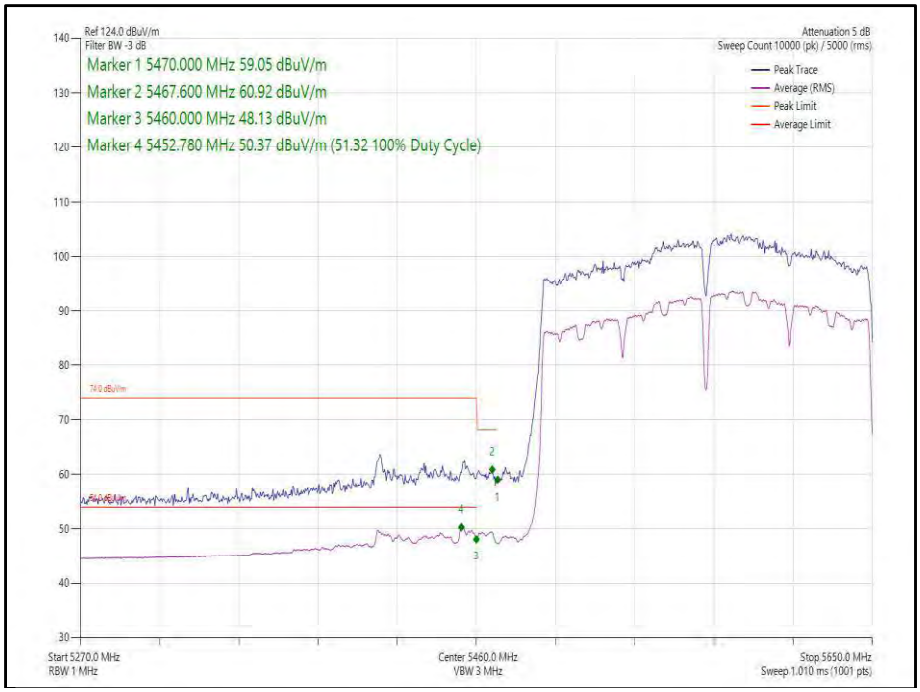

Figure 489 - 802.11ac, VHT160, SISO, Core 0 - 5570 MHz, Band Edge Frequency 5470 MHz

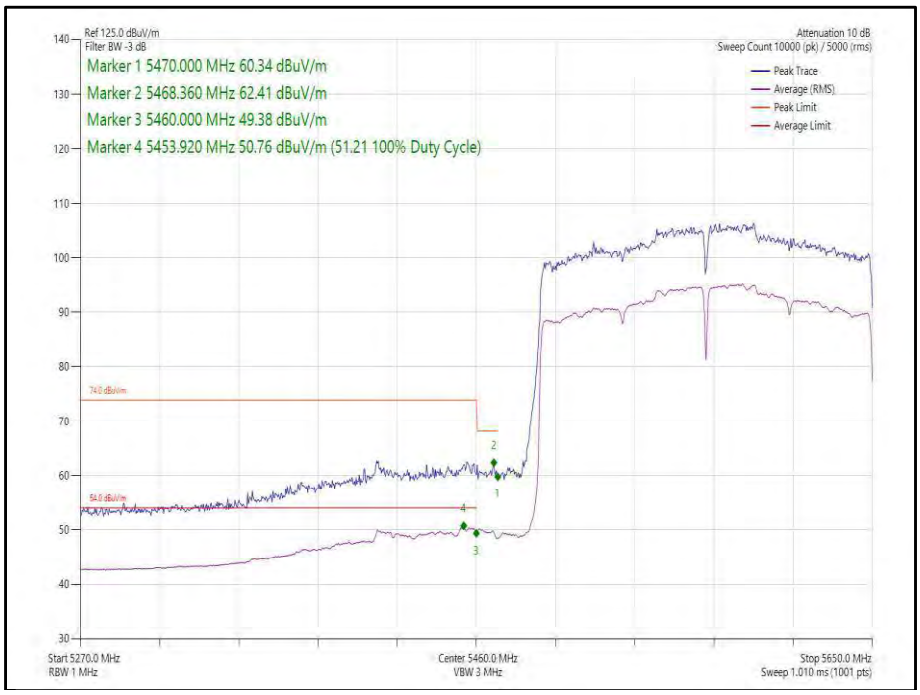

Figure 490 - 802.11ax, HE160, SU, SISO, Core 0 - 5570 MHz, Band Edge Frequency 5470 MHz

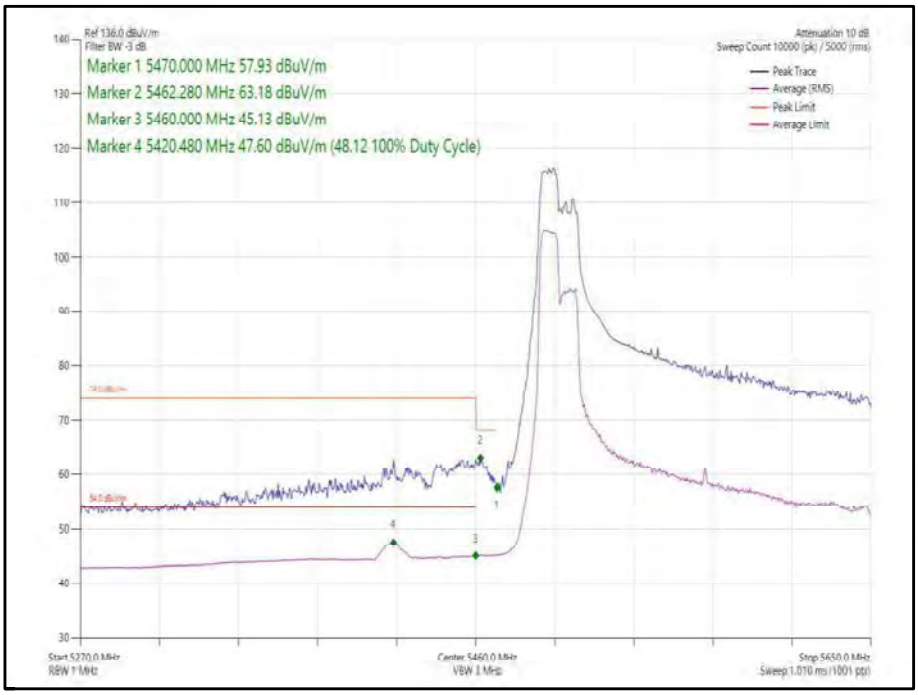

Figure 491 - 802.11ax, HE160, RU 106-53 SISO, Core 0 - 5570 MHz, Band Edge Frequency 5470 MHz

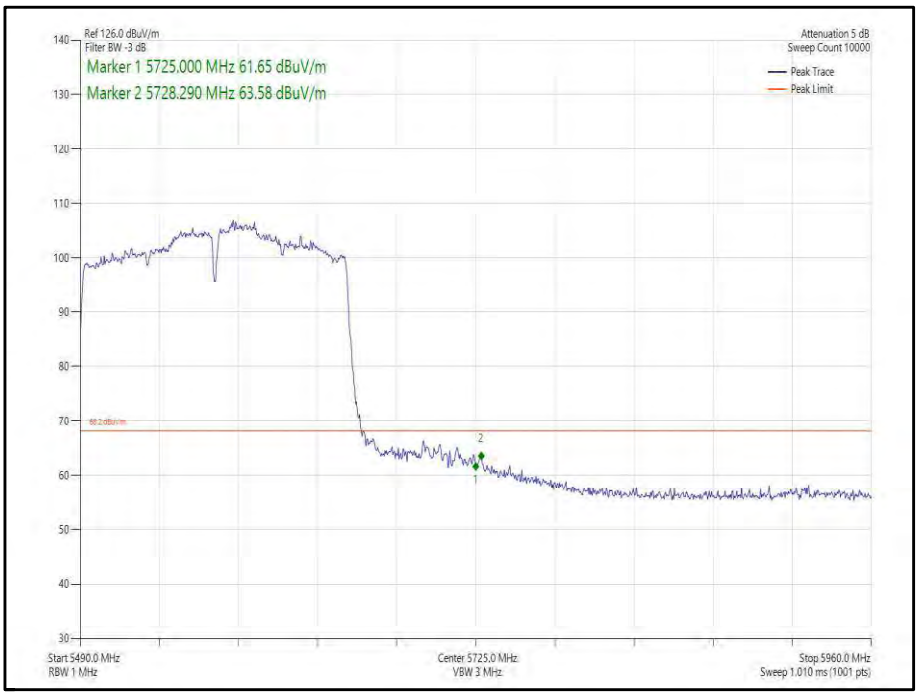

**Figure 492 - 802.11ac, VHT160, SISO, Core 0 - 5570 MHz,
Band Edge Frequency 5725 MHz**

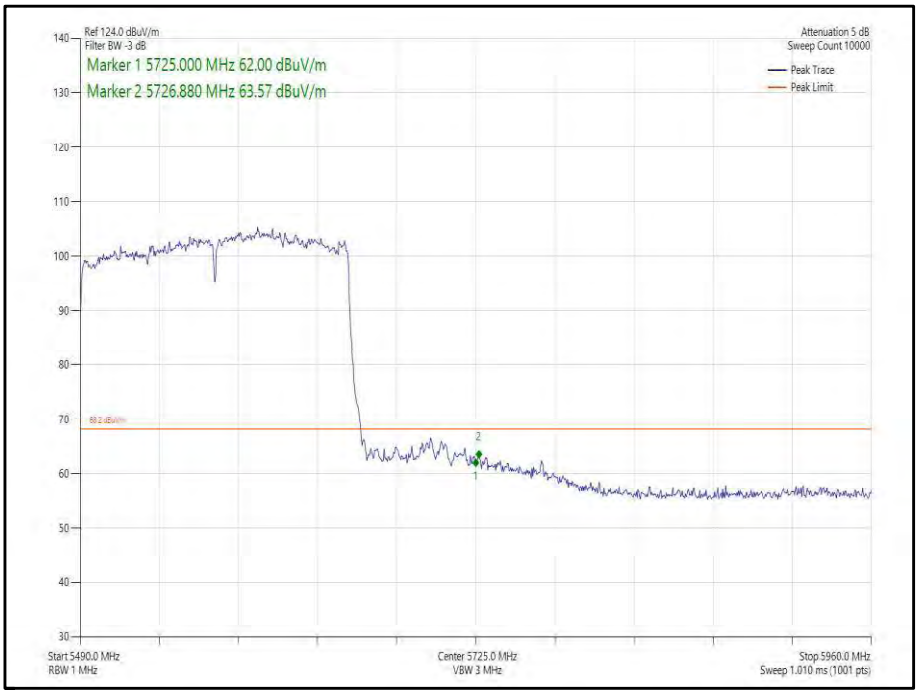

**Figure 493 - 802.11ax, HE160, SU, SISO, Core 0 - 5570 MHz,
Band Edge Frequency 5725 MHz**

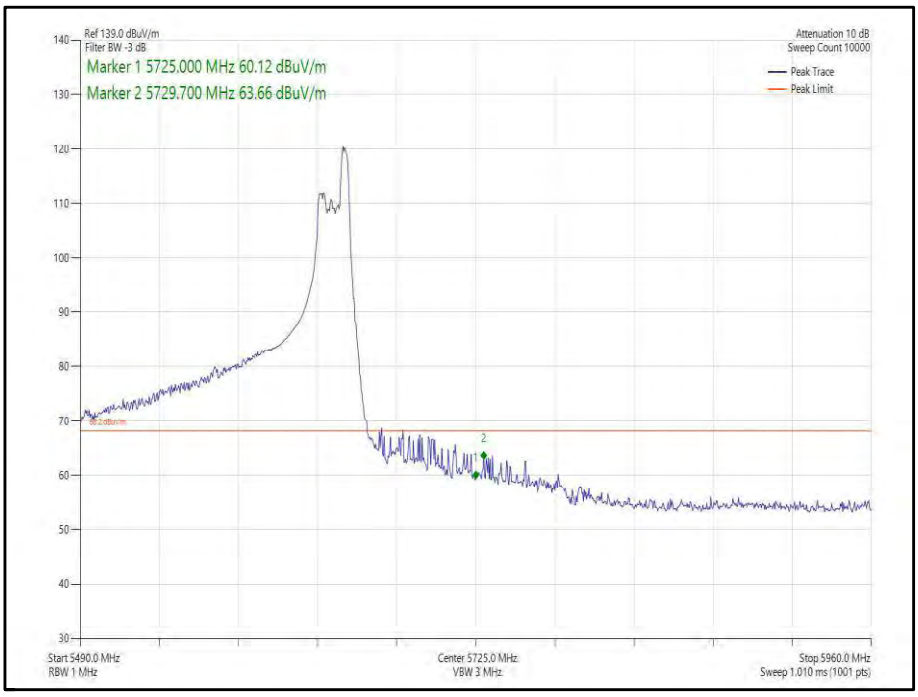

Figure 494 - 802.11ax, HE160, RU 52-52, SISO, Core 0 - 5570 MHz, Band Edge Frequency 5725 MHz

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	MCS4x1	-	-	5570	5470	61.68
802.11ax, HE160	MCS4x1	SU	-	5570	5470	63.58
802.11ax, HE160	MCS11x1	106	53	5570	5470	63.43
802.11ac, VHT160	MCS4x1	-	-	5570	5725	63.64
802.11ax, HE160	MCS11x1	SU	-	5570	5725	63.65
802.11ax, HE160	MCS11x1	106	60	5570	5725	63.64

Table 677 - SISO Authorised Band Edge Results

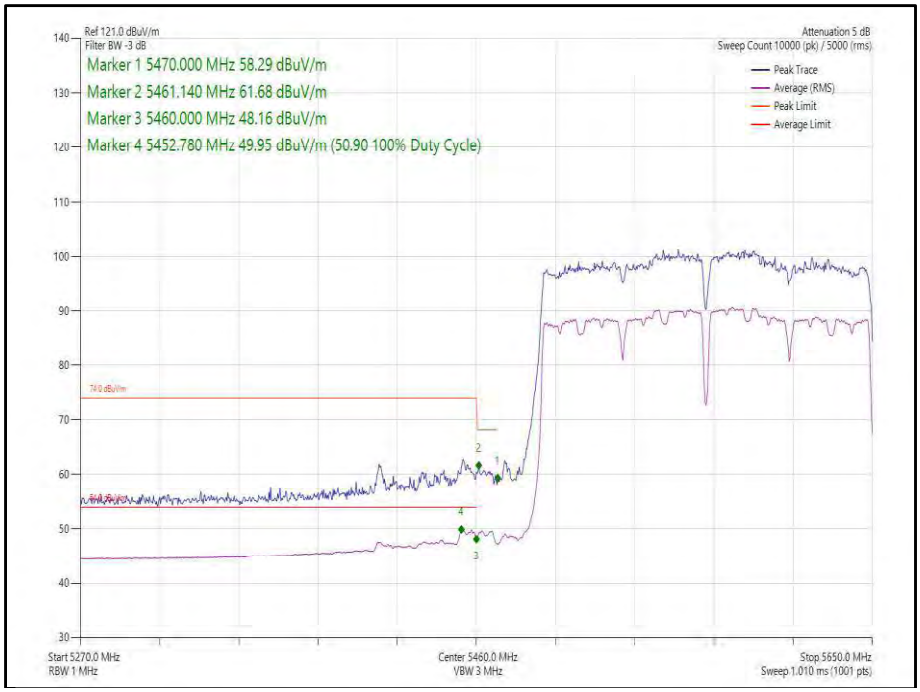

Figure 495 - 802.11ac, VHT160, SISO, Core 1 - 5570 MHz, Band Edge Frequency 5470 MHz

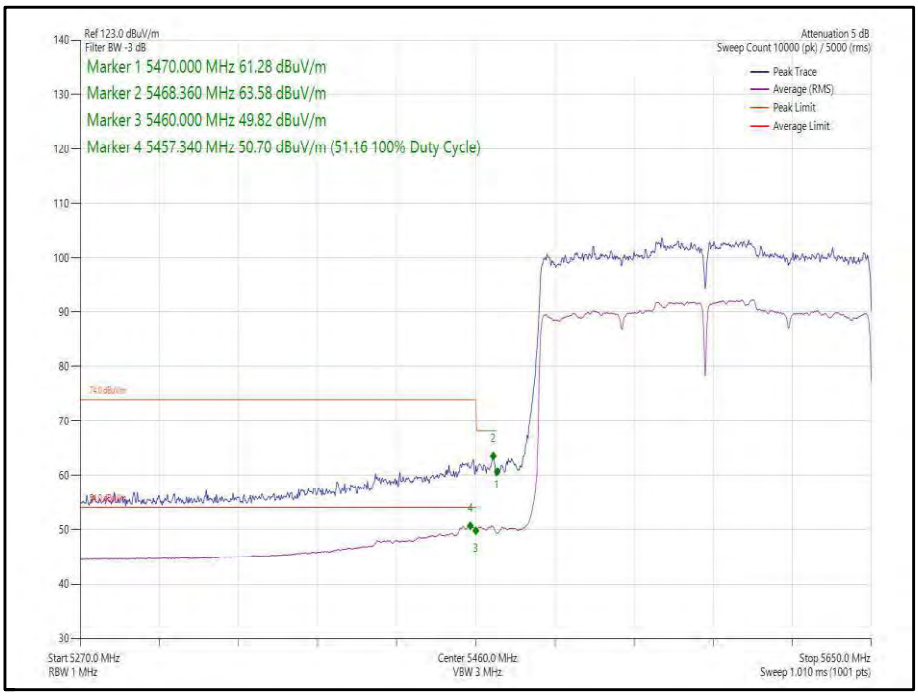

Figure 496 - 802.11ax, HE160, SU, SISO, Core 1 - 5570 MHz, Band Edge Frequency 5470 MHz

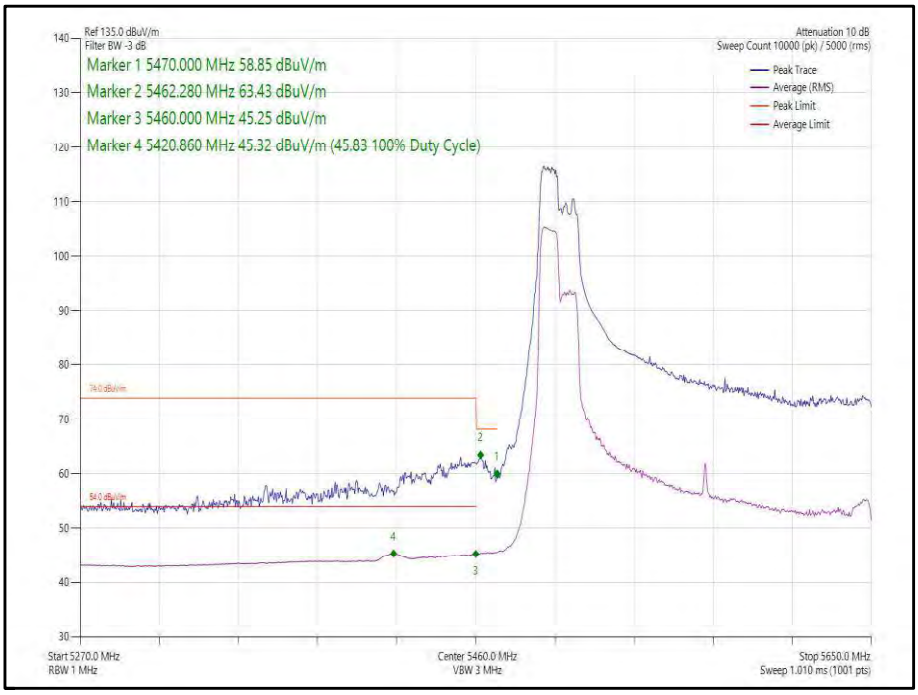

Figure 497 - 802.11ax, HE160, RU 106-53, SISO, Core 1 - 5570 MHz, Band Edge Frequency 5470 MHz

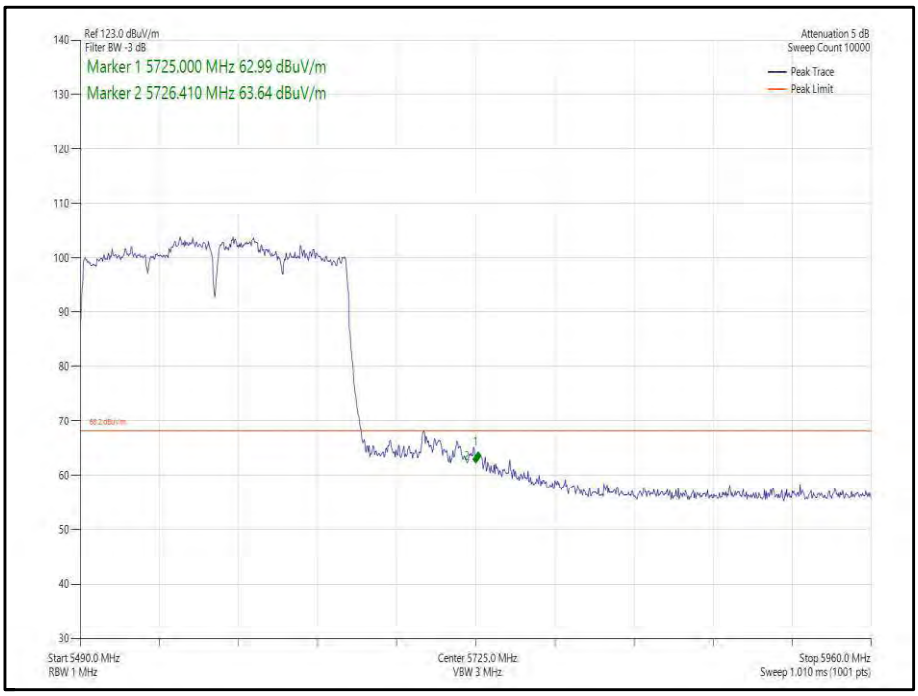

Figure 498 - 802.11ac, VHT160, SISO, Core 1 - 5570 MHz, Band Edge Frequency 5725 MHz

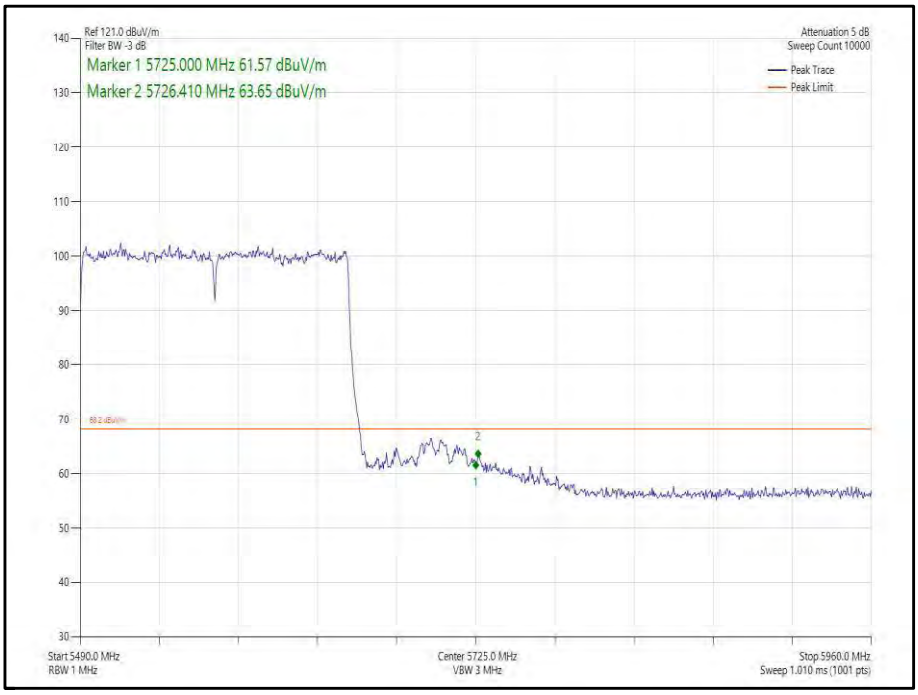

Figure 499 - 802.11ax, HE160, SU, SISO, Core 1 - 5570 MHz, Band Edge Frequency 5725 MHz

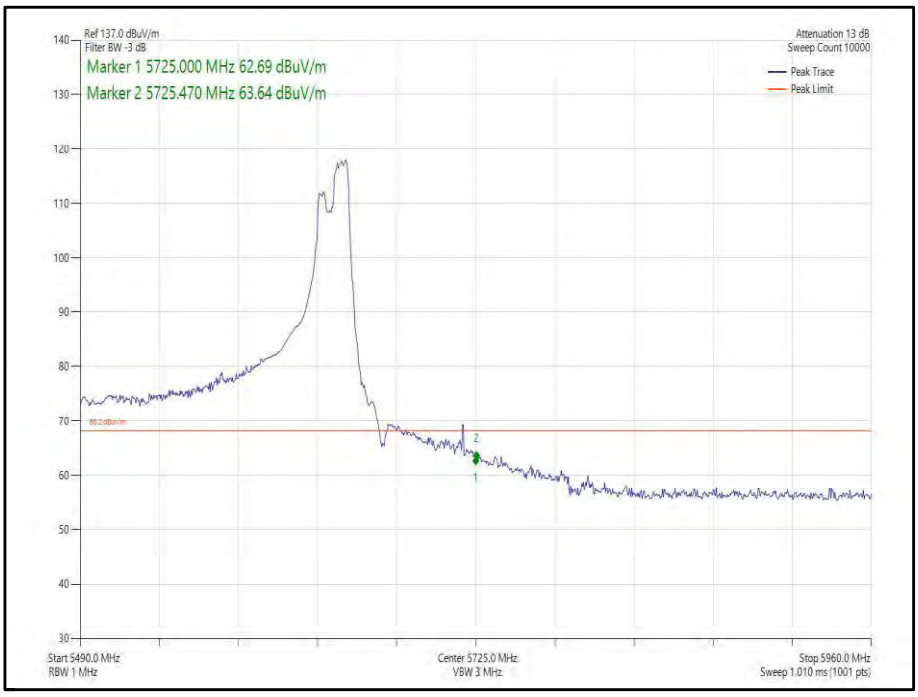

Figure 500 - 802.11ax, HE160, RU 106-60, SISO, Core 1 - 5570 MHz, Band Edge Frequency 5725 MHz

160 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
802.11ac, VHT160	MCS8x1	-	-	5570	5470	63.07
802.11ax, HE160	MCS4x1	SU	-	5570	5470	63.51
802.11ax, HE160	MCS11x1	106	60	5570	5470	63.46
802.11ac, VHT160	MCS2x1	-	-	5570	5725	63.49
802.11ax, HE160	MCS4x1	SU	-	5570	5725	63.59
802.11ax, HE160	MCS11x1	52	37	5570	5725	63.66

Table 678 - CDD Authorised Band Edge Results

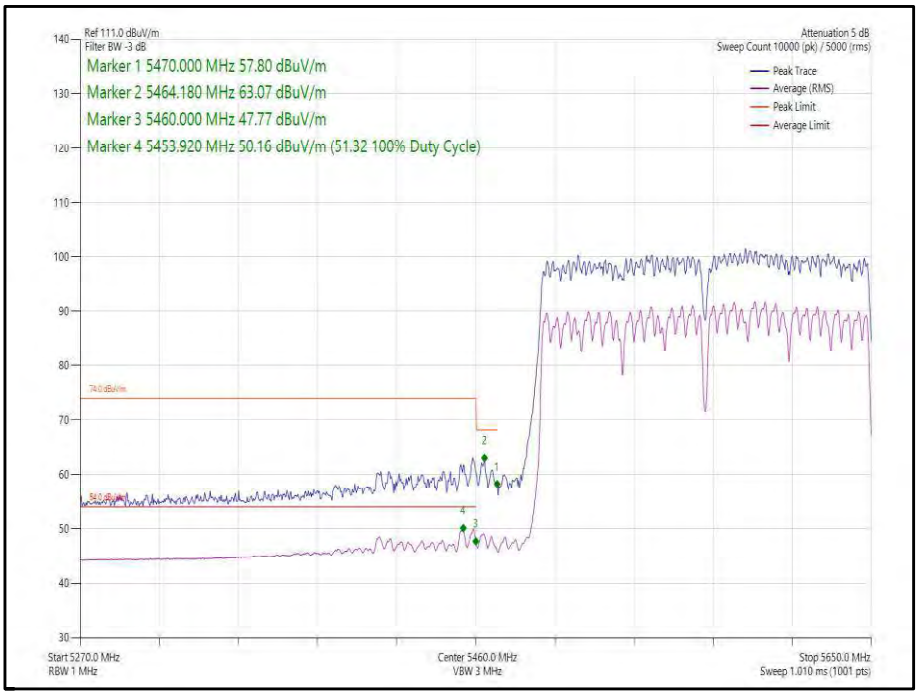

Figure 501 - 802.11ac, VHT160, CDD, Core 0-1 - 5570 MHz, Band Edge Frequency 5470 MHz

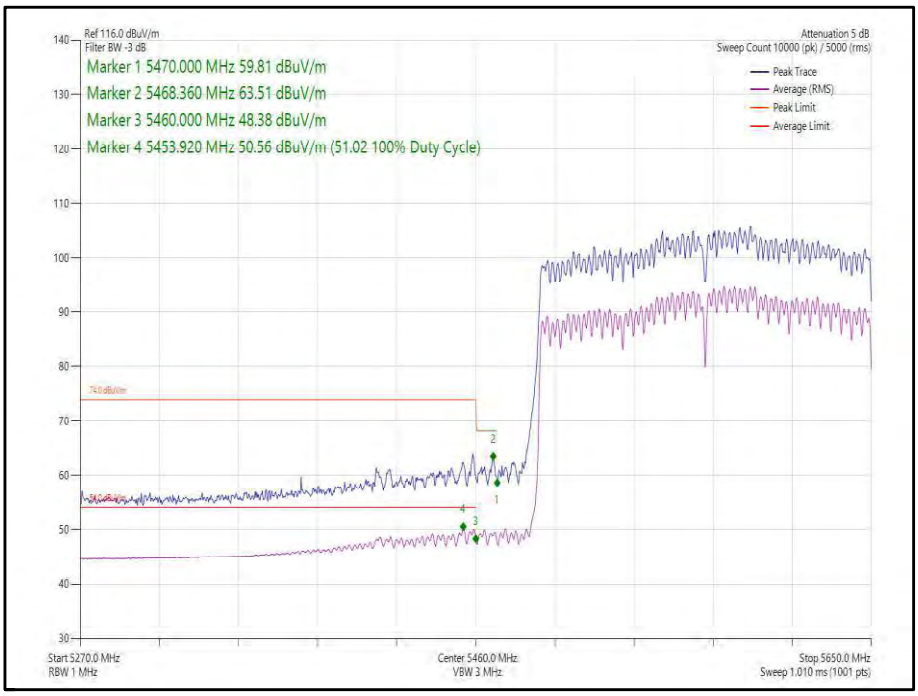

Figure 502 - 802.11ax, HE160, SU, CDD, Core 0-1 - 5570 MHz, Band Edge Frequency 5470 MHz

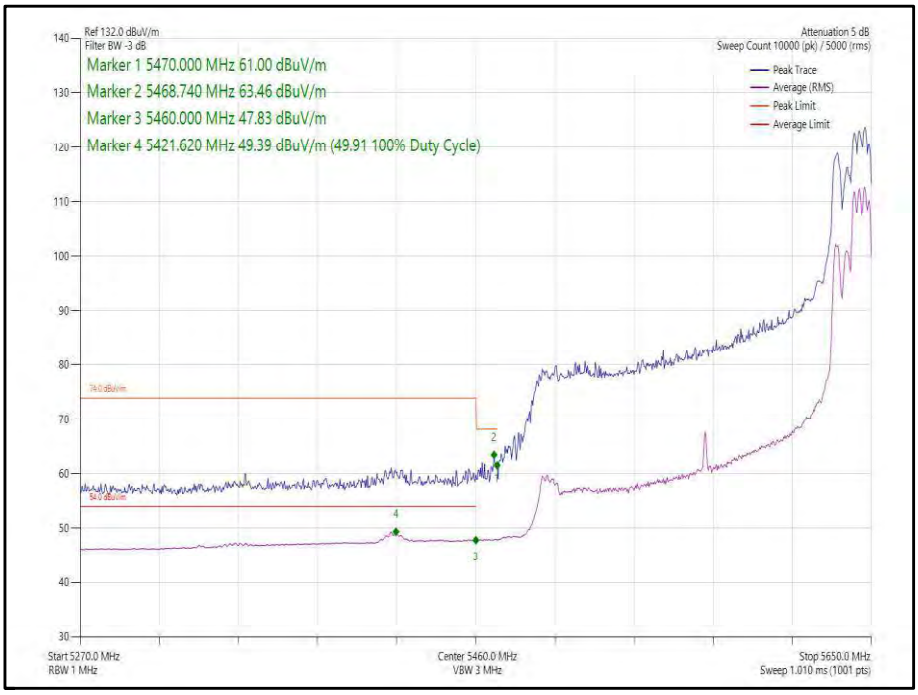

Figure 503 - 802.11ax, HE160, RU 106-60, CDD, Core 0-1 - 5570 MHz, Band Edge Frequency 5470 MHz

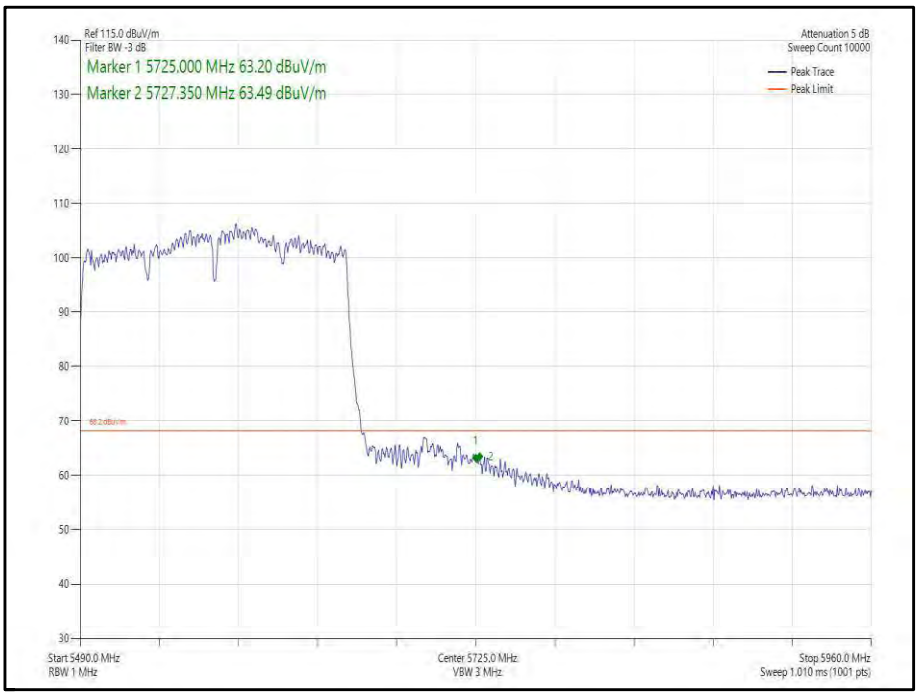

Figure 504 - 802.11ac, VHT160, CDD, Core 0-1 - 5570 MHz, Band Edge Frequency 5725 MHz

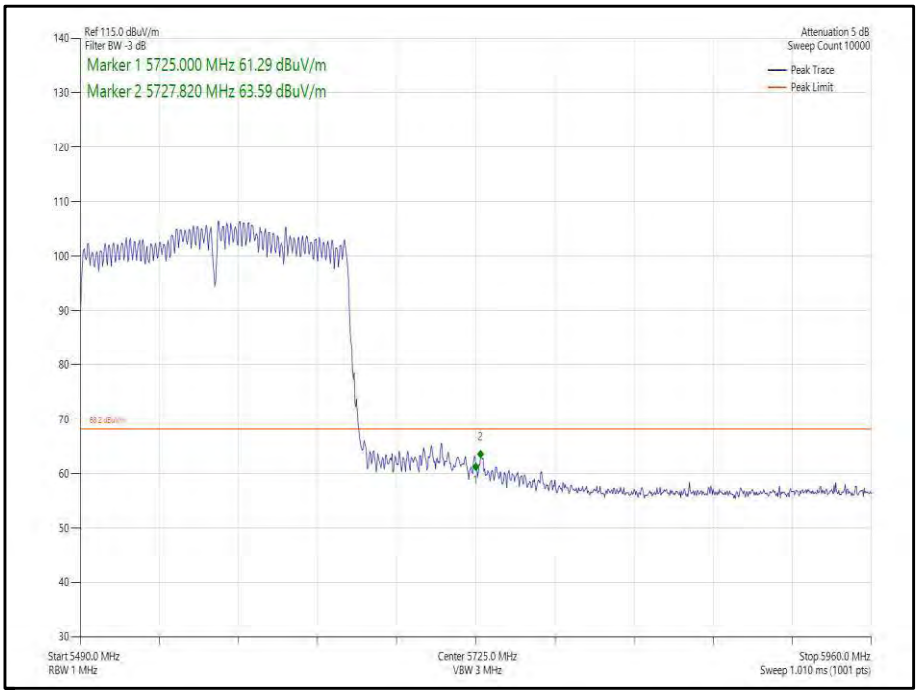

Figure 505 - 802.11ax, HE160, SU, CDD, Core 0-1 - 5570 MHz, Band Edge Frequency 5725 MHz

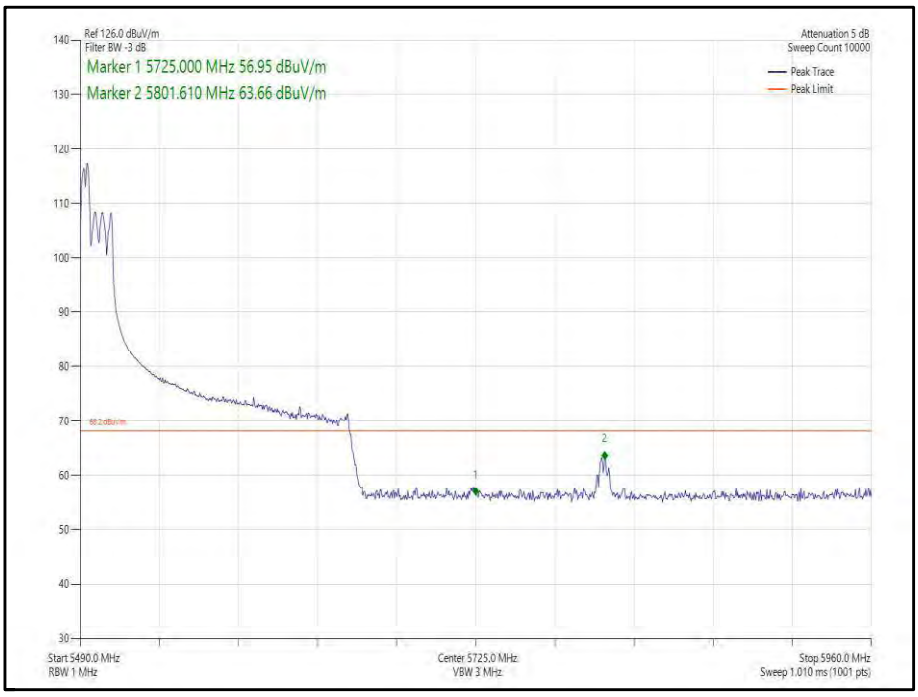

Figure 506 - 802.11ax, HE160, RU 52-37, CDD, Core 0-1 - 5570 MHz, Band Edge Frequency 5725 MHz

160 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
802.11ac, VHT160	MCS8x2	-	-	5570	5470	63.50
802.11ax, HE160	MCS4x2	SU	-	5570	5470	63.43
802.11ax, HE160	MCS11x2	106	53	5570	5470	63.53
802.11ac, VHT160	MCS8x2	-	-	5570	5725	63.55
802.11ax, HE160	MCS4x2	SU	-	5570	5725	63.67
802.11ax, HE160	MCS11x2	52	52	5570	5725	63.53

Table 679 - SDM Authorised Band Edge Results

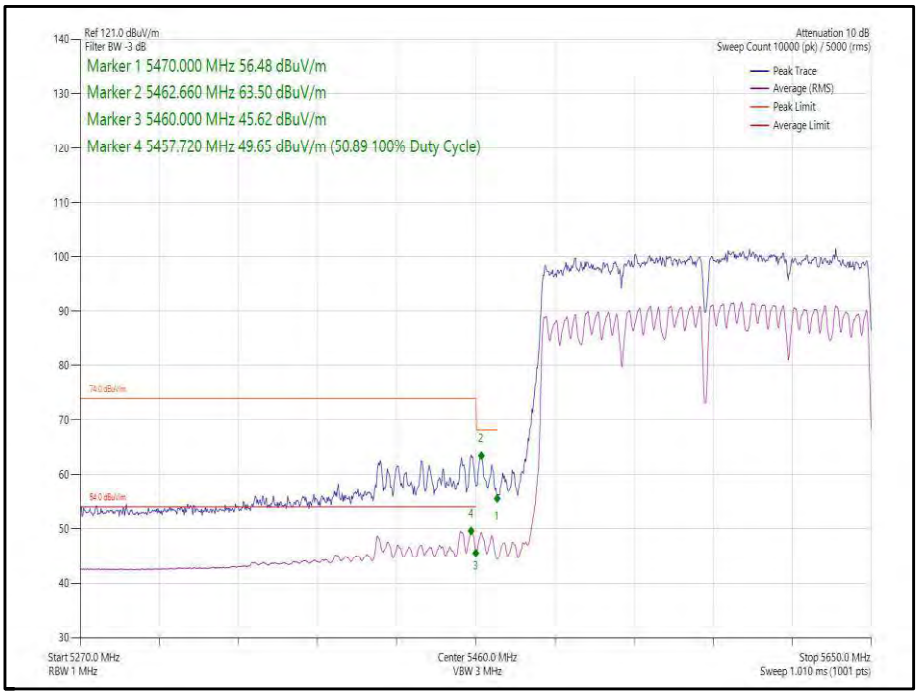

Figure 507 - 802.11ac, VHT160, SDM, Core 0-1 - 5570 MHz, Band Edge Frequency 5470 MHz

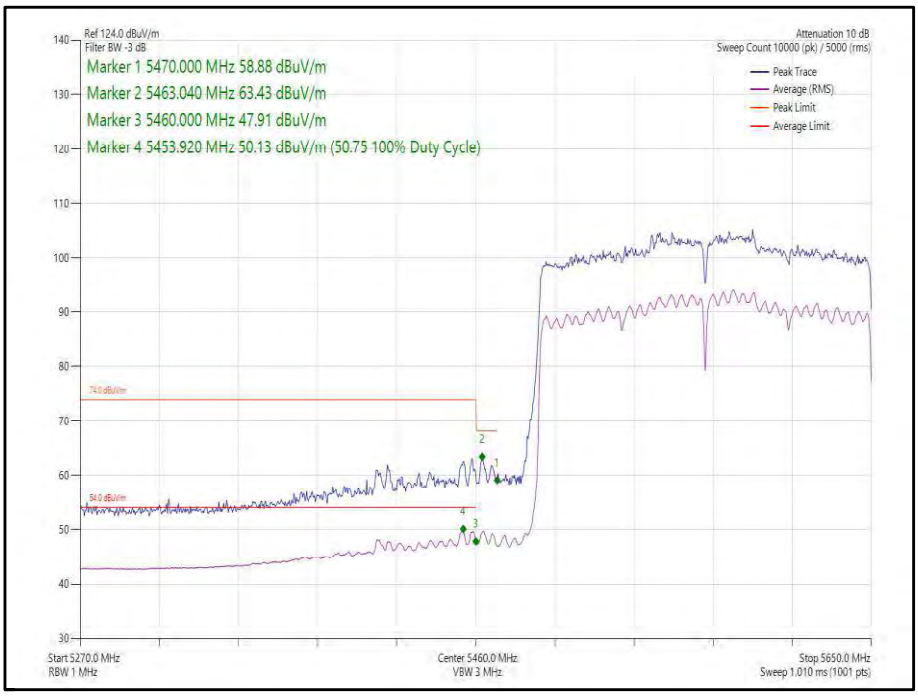

Figure 508 - 802.11ax, HE160, SU, SDM, Core 0-1 - 5570 MHz, Band Edge Frequency 5470 MHz

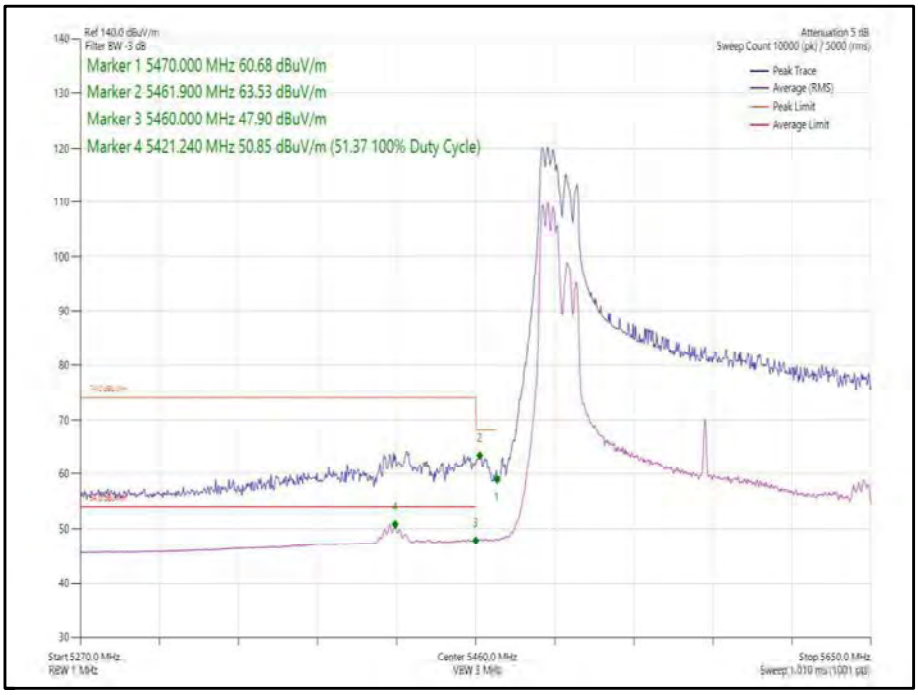

Figure 509 - 802.11ax, HE160, RU 106-53, SDM, Core 0-1 - 5570 MHz, Band Edge Frequency 5470 MHz

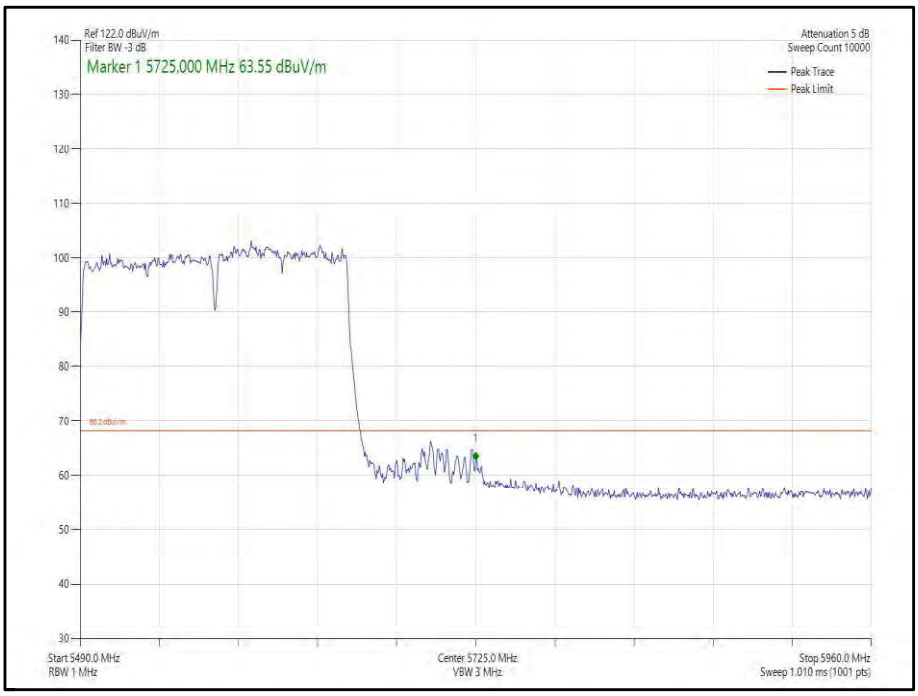

Figure 510 - 802.11ac, VHT160, SDM, Core 0-1 - 5570 MHz, Band Edge Frequency 5725 MHz

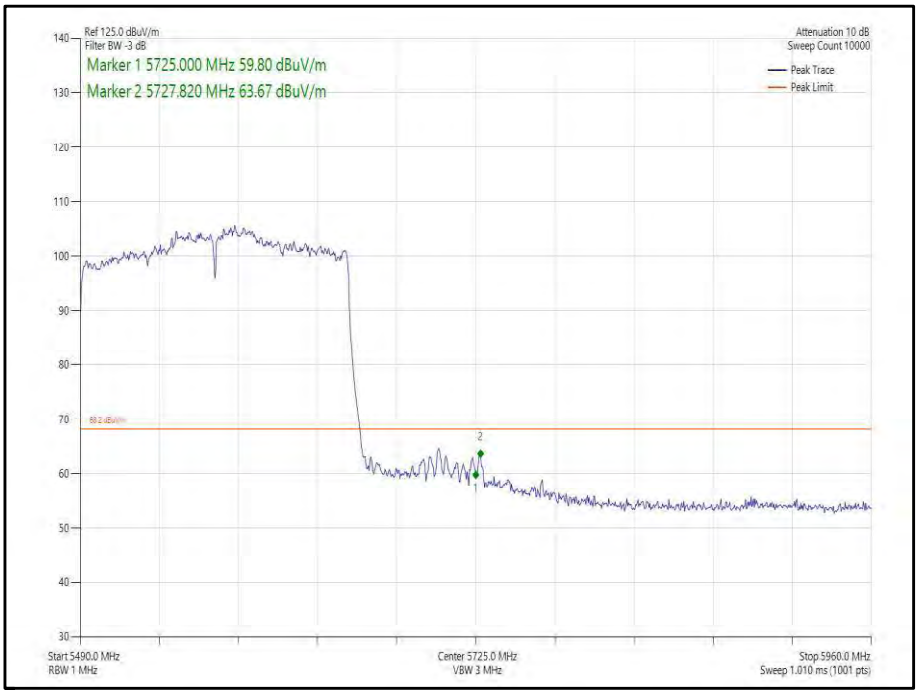

Figure 511 - 802.11ax, HE160, SU, SDM, Core 0-1 - 5570 MHz, Band Edge Frequency 5725 MHz

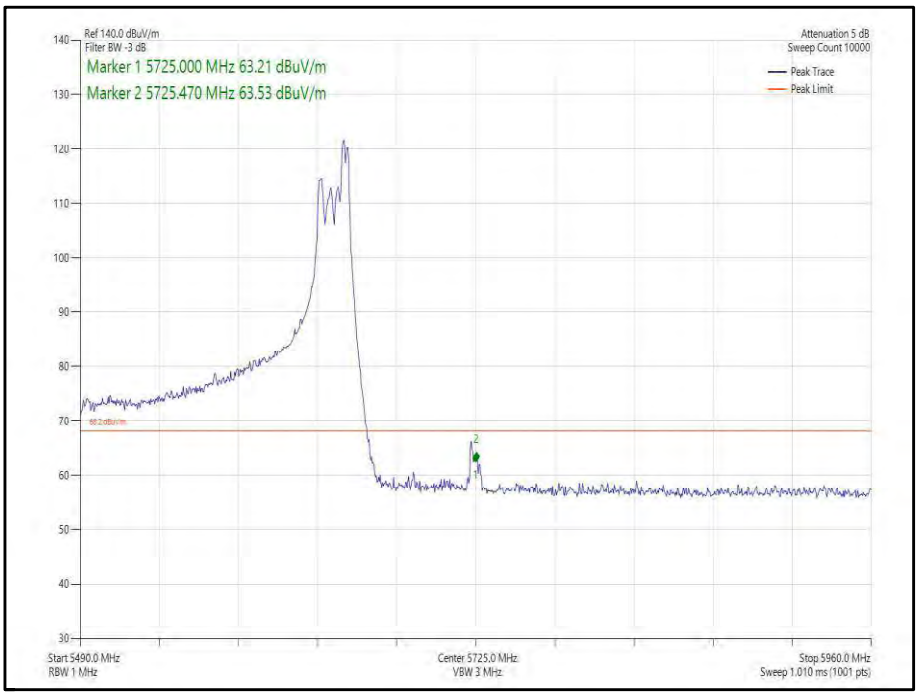

Figure 512 - 802.11ax, HE160, RU 52-52, SDM, Core 0-1 - 5570 MHz, Band Edge Frequency 5725 MHz

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

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

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

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

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

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

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

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

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

a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;

b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;

c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and

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

2.5.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.1.10	5125	-	Software
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5939	12	29-May-2023
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 15	5963	36	28-Apr-2025
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
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5996	12	06-Jun-2023
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	06-Jun-2023
Cable (SMA to SMA 6.5m)	Junkosha	MWX221-06500AMSAMS/B	6014	12	07-Jun-2023
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/B	6019	12	07-Jun-2023
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	21-Jun-2023
Digital Multimeter	Fluke	115	6145	12	17-Jun-2023
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	12-Dec-2023

Table 680

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

A2786, S/N: C3Q0QNNQ4L - Modification State 0

2.6.3 Date of Test

04-February-2023 to 11-February-2023

2.6.4 Test Method

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

Tests were performed in 802.11a in SISO, VHT20 CDD in 2TX MIMO and HE20 CDD in 2TX MIMO mode, with measurements 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 in accordance with ANSI C63.10, clause 4.1.4.2.2.

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

The following conversion can be applied to convert from dBµV/m to µV/m:
10^(Field Strength in dBµV/m / 20).

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

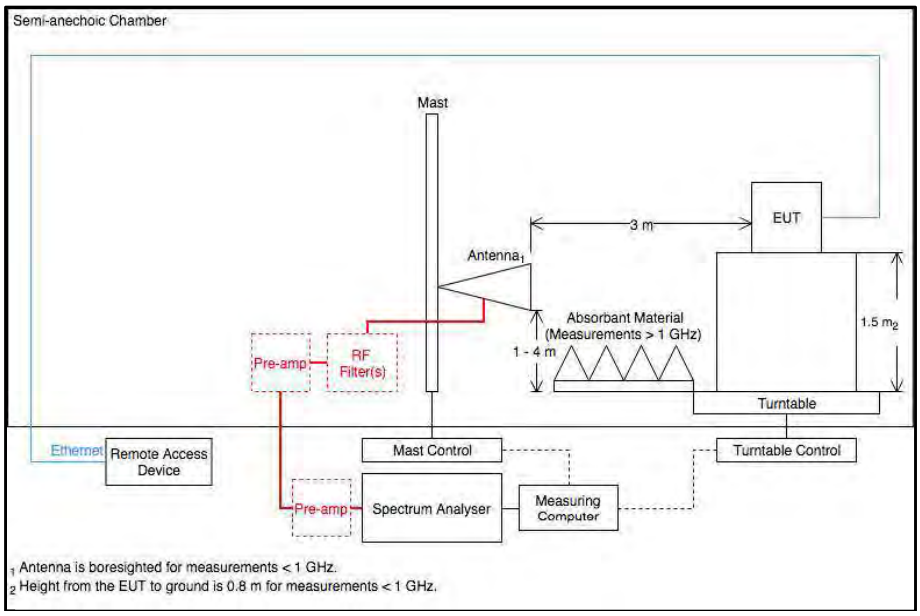

Figure 513 - Radiated Emissions Test Setup Diagram

2.6.5 Environmental Conditions

Ambient Temperature	22.4 - 24.3 °C
Relative Humidity	33.6 - 41.5 %

2.6.6 Test Results

5 GHz WLAN

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
56.029	23.37	40.00	-16.63	Q-Peak	350	100	Vertical
11999.855	35.11	54.00	-18.89	RMS	114	165	Horizontal
16000.015	39.58	54.00	-14.42	RMS	119	136	Vertical
16000.015	40.02	54.00	-13.98	RMS	78	141	Horizontal

Table 681 - 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.

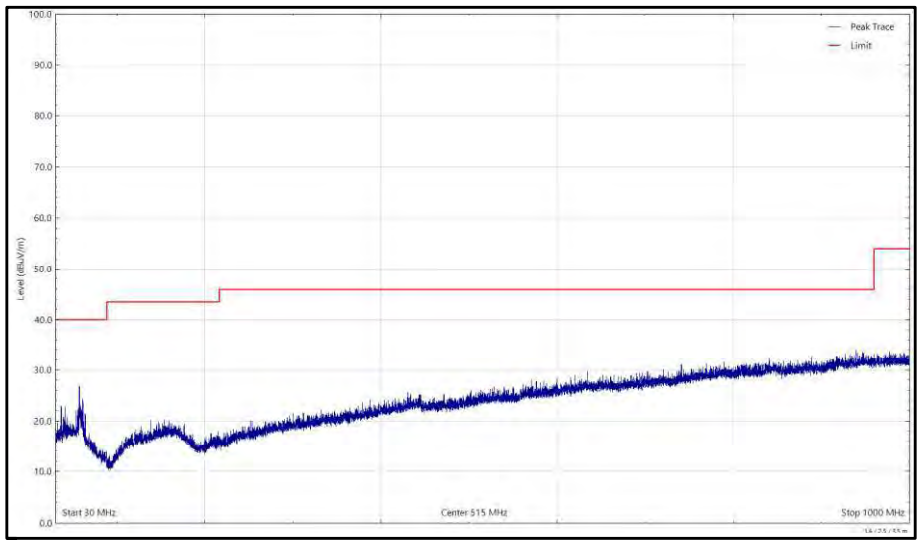

Figure 514 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

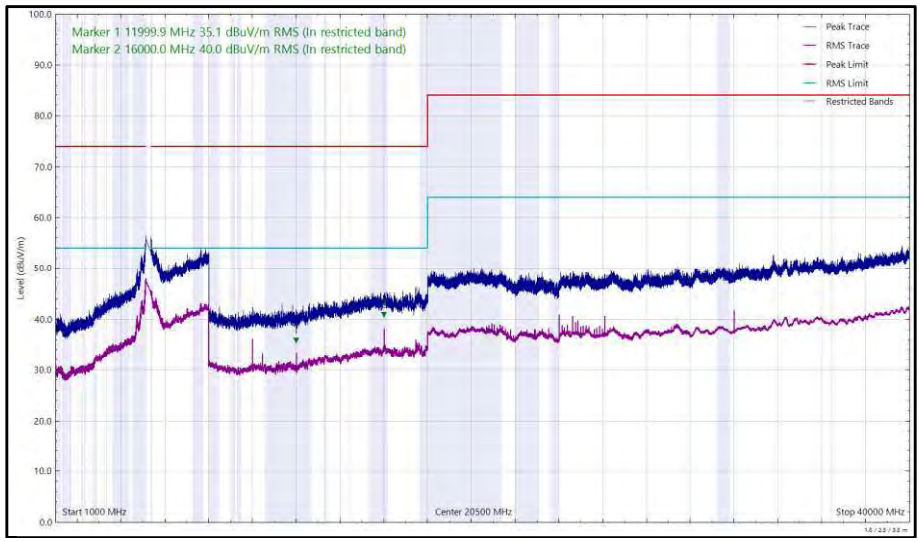

Figure 515 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

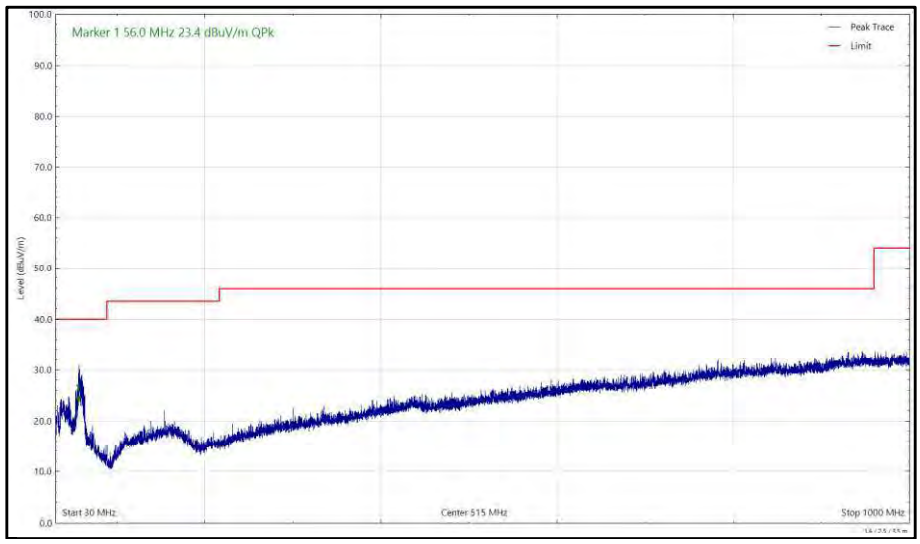

Figure 516 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

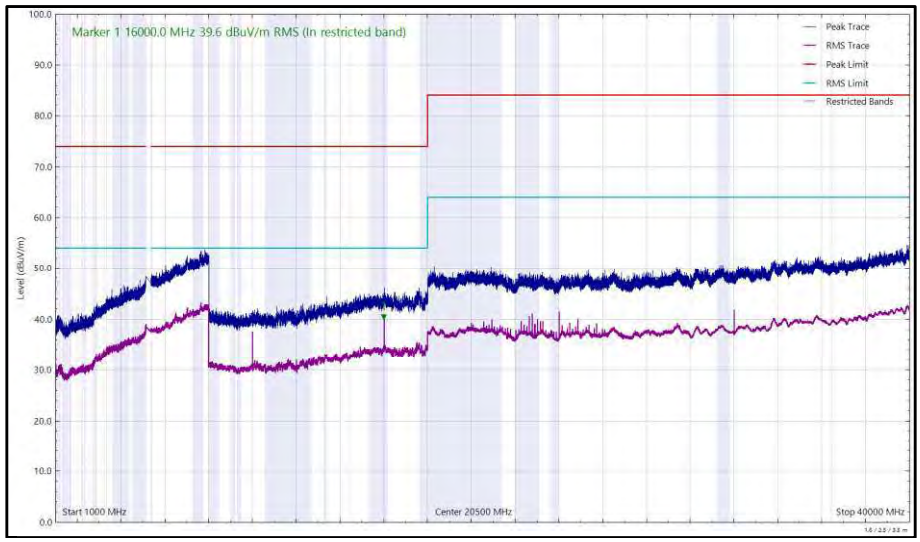

Figure 517 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
36.100	20.30	40.00	-19.70	Q-Peak	205	100	Vertical
57.379	23.59	40.00	-16.41	Q-Peak	0	100	Vertical
11632.958	36.39	54.00	-17.61	RMS	254	157	Horizontal
16000.025	39.33	54.00	-14.67	RMS	119	137	Vertical
16000.050	40.29	54.00	-13.71	RMS	127	144	Horizontal

Table 682 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

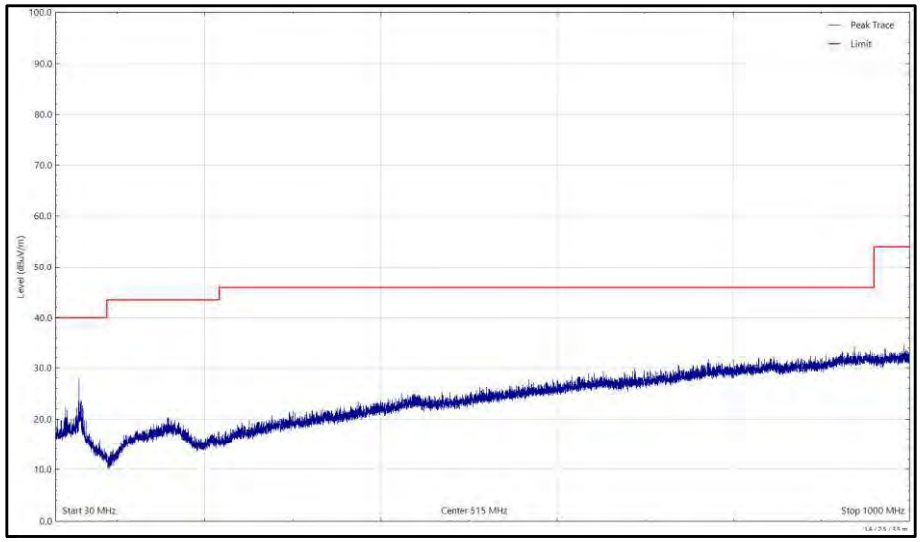

Figure 518 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

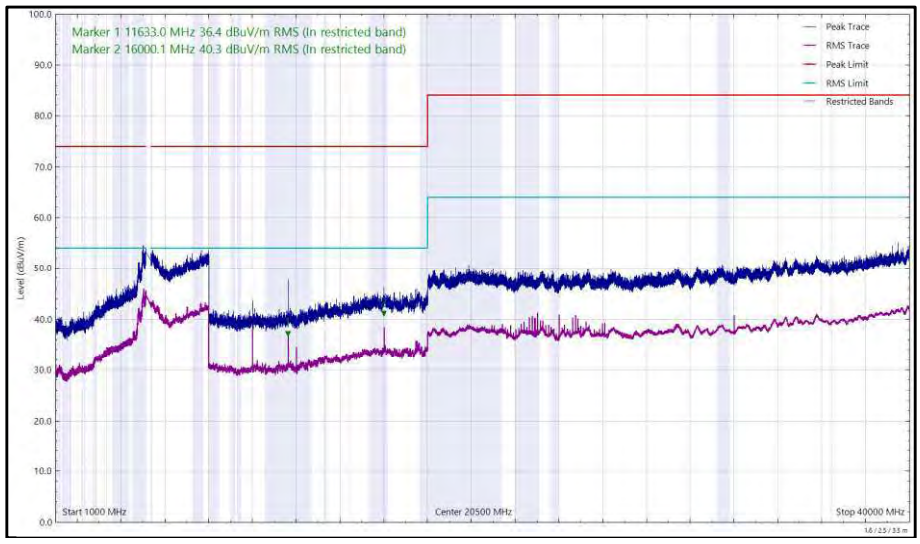

Figure 519 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

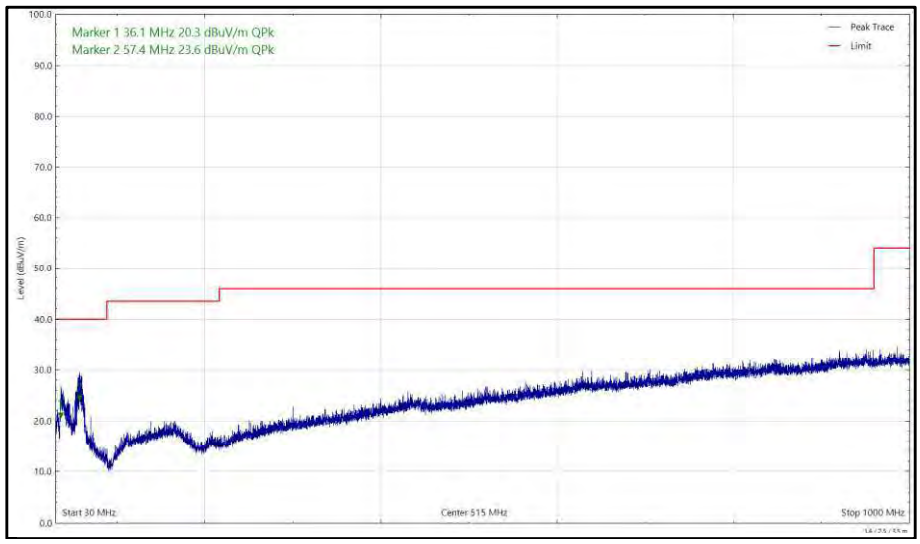

Figure 520 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

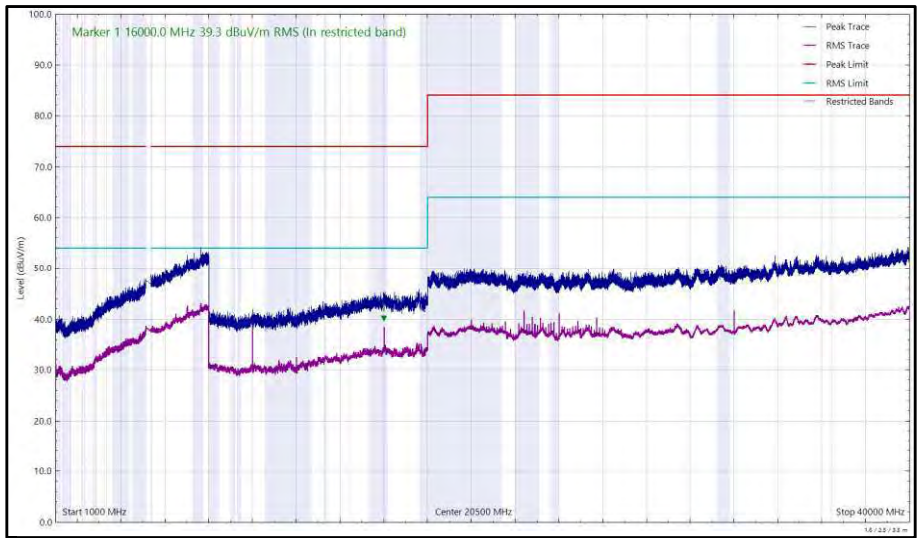

Figure 521 - U-NII-1 - 5180 MHz (CH36), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
56.953	21.77	40.00	-18.23	Q-Peak	282	106	Vertical
11999.916	34.24	54.00	-19.76	RMS	113	139	Horizontal
15999.983	38.13	54.00	-15.87	RMS	119	147	Horizontal
16000.051	37.02	54.00	-16.98	RMS	91	226	Vertical

Table 683 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

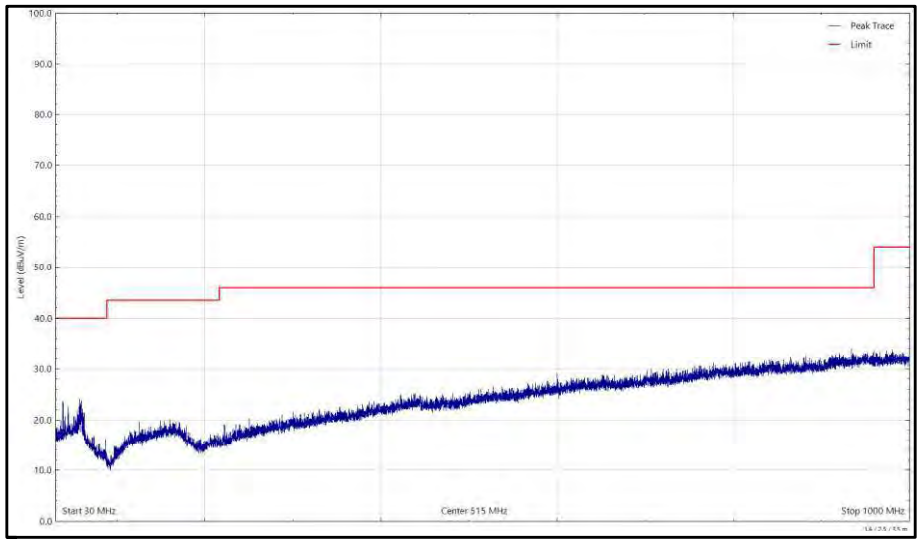

Figure 522 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

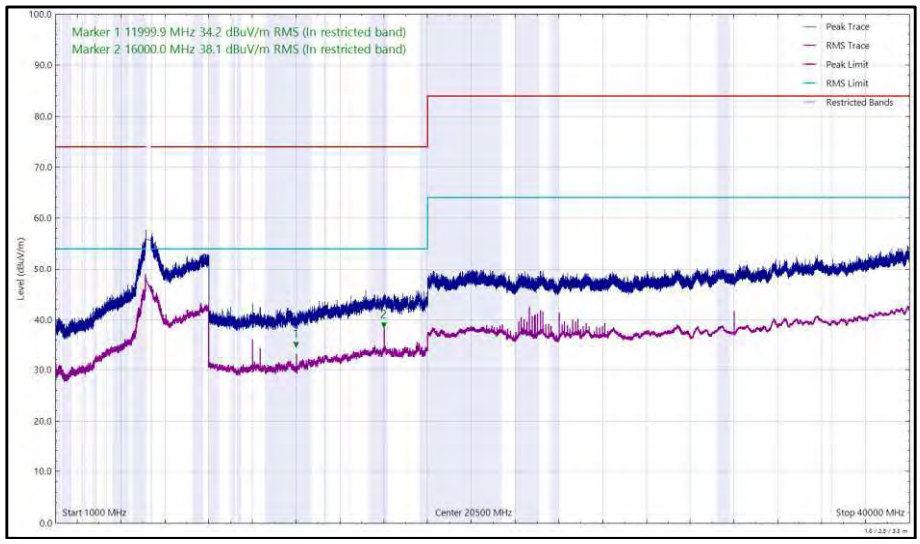

Figure 523 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

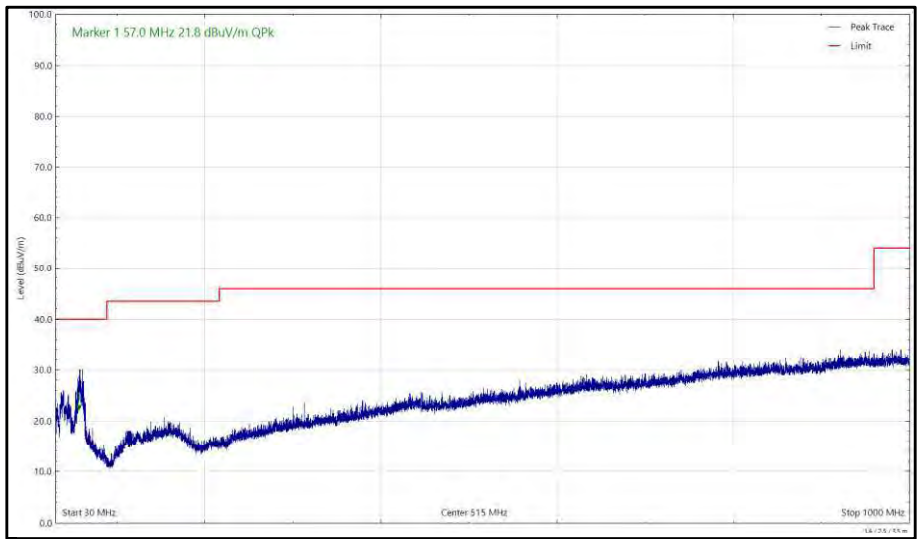

Figure 524 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

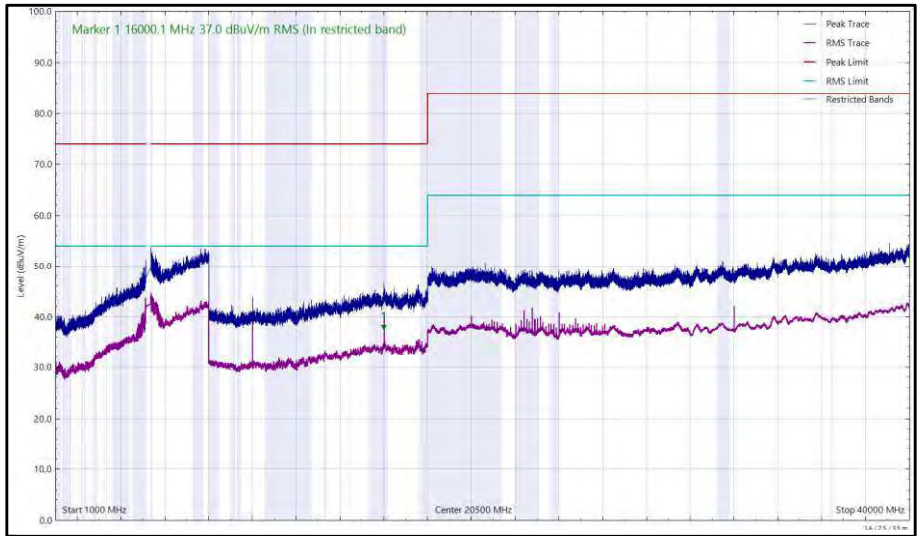

Figure 525 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
57.499	23.80	40.00	-16.20	Q-Peak	5	106	Vertical
11632.893	36.38	54.00	-17.62	RMS	247	267	Horizontal
16000.045	40.58	54.00	-13.42	RMS	127	152	Horizontal
16000.055	38.04	54.00	-15.96	RMS	303	132	Vertical

Table 684 - U-NII-1 - 5180 MHz (CH36), VHT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

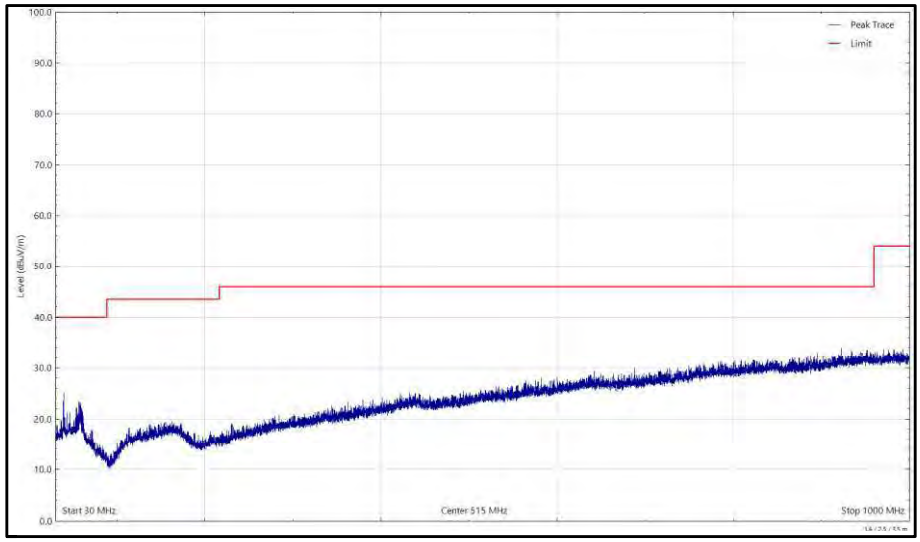

Figure 526 - U-NII-1 - 5180 MHz (CH36), VHT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

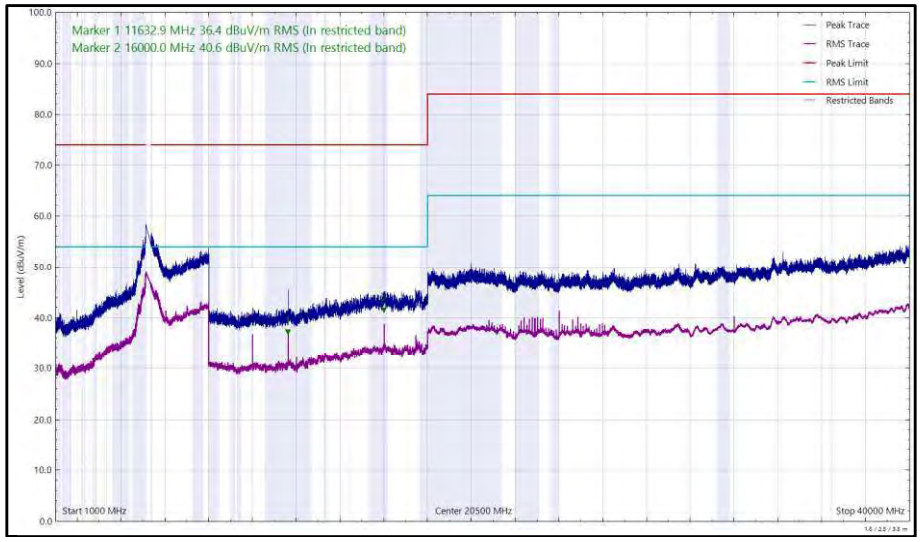

Figure 527 - U-NII-1 - 5180 MHz (CH36), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

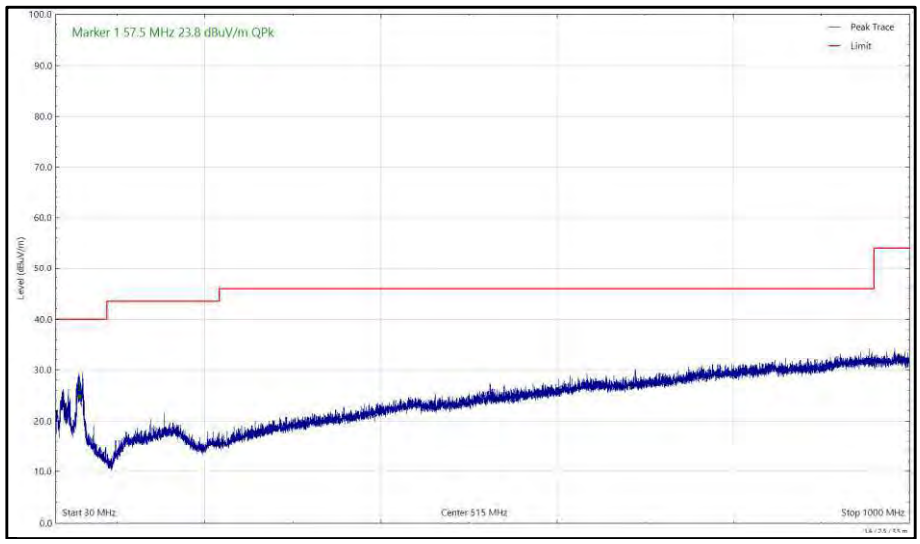

Figure 528 - U-NII-1 - 5180 MHz (CH36), VHT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

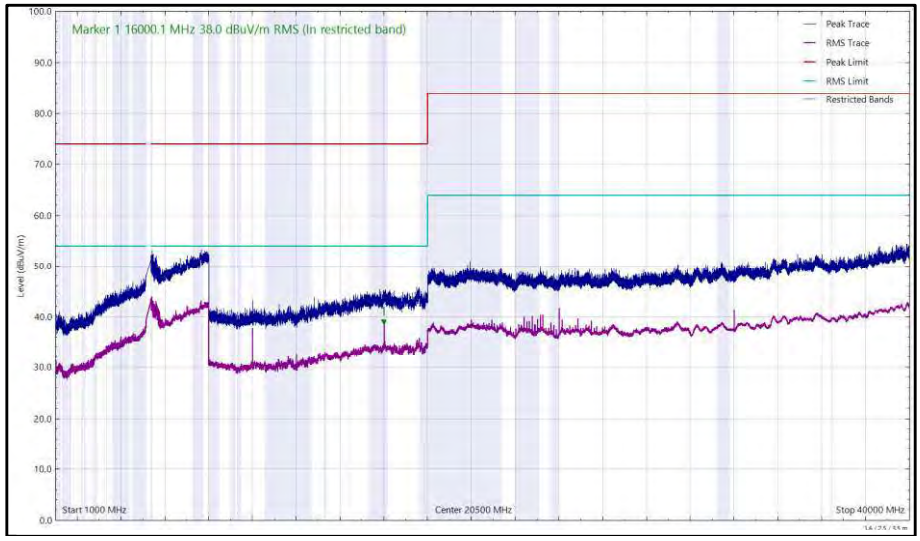

Figure 529 - U-NII-1 - 5180 MHz (CH36), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.863	36.14	54.00	-17.86	RMS	177	160	Horizontal
15999.985	41.41	54.00	-12.59	RMS	118	124	Vertical
16000.040	40.97	54.00	-13.03	RMS	126	148	Horizontal

Table 685 - 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.

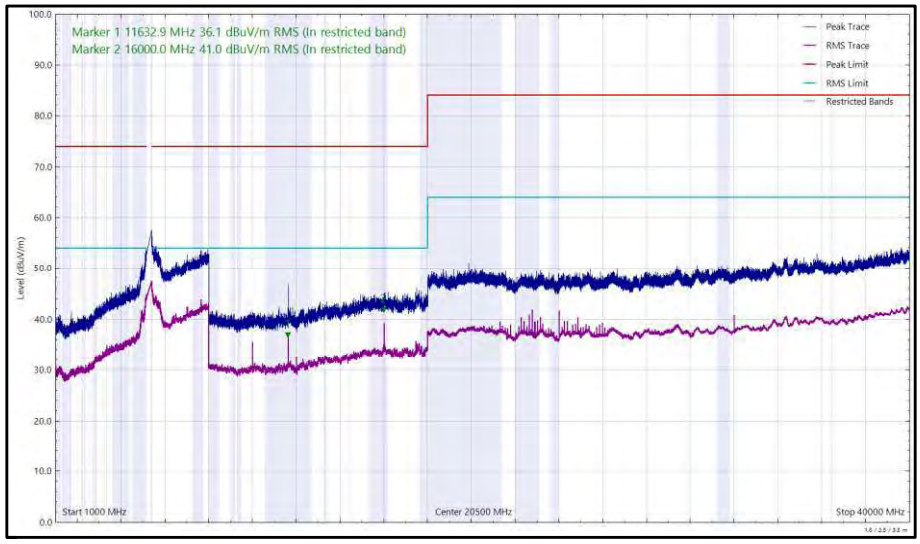

Figure 530 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

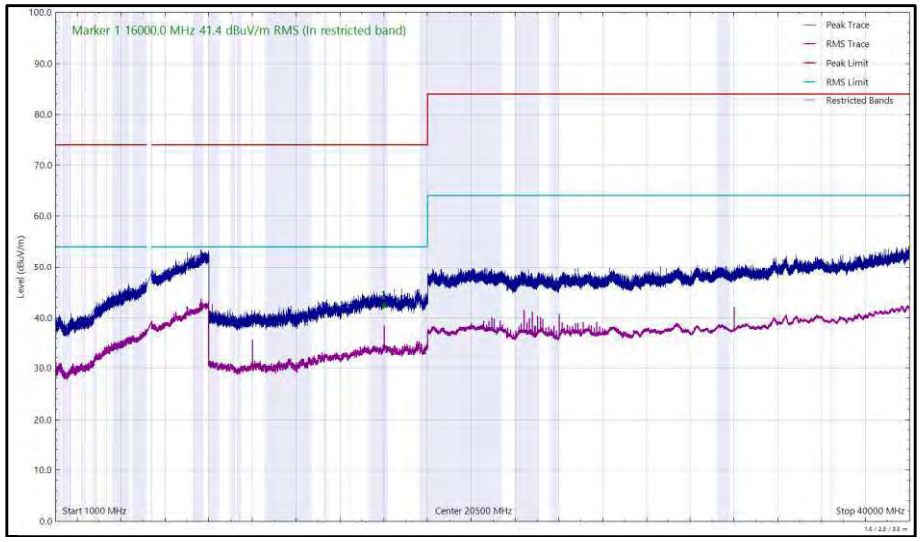

Figure 531 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.803	38.14	54.00	-15.86	RMS	246	141	Horizontal
16000.005	35.44	54.00	-18.56	RMS	309	251	Vertical
16000.070	41.32	54.00	-12.68	RMS	126	137	Horizontal

Table 686 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

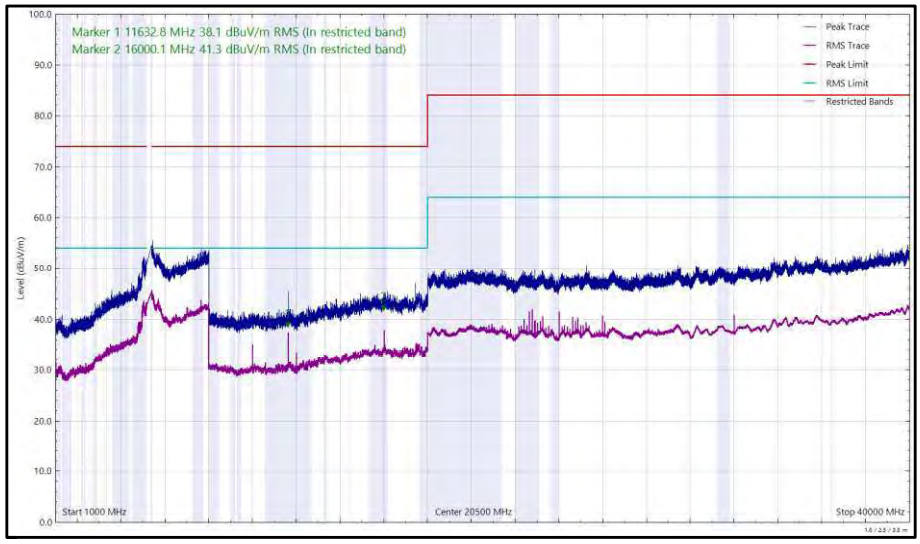

Figure 532 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

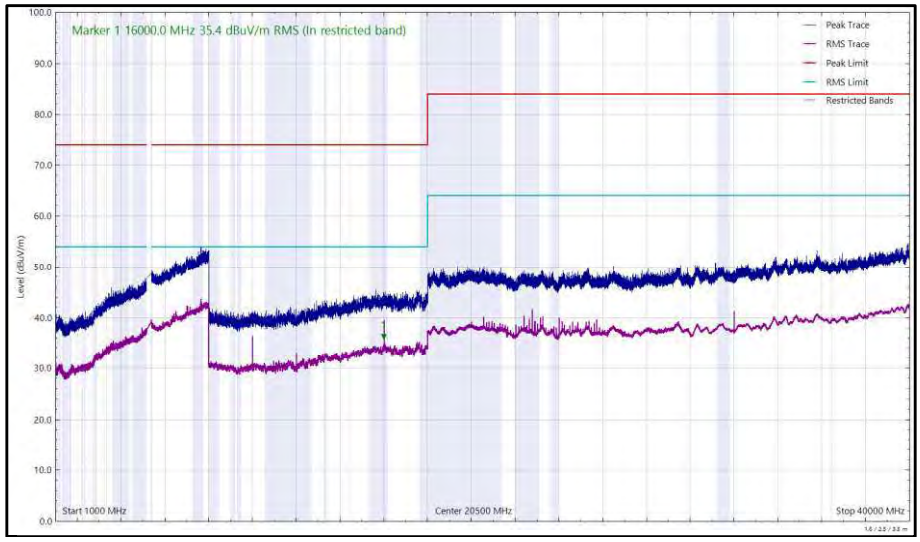

Figure 533 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11999.836	34.79	54.00	-19.21	RMS	113	151	Horizontal
16000.007	36.63	54.00	-17.37	RMS	119	181	Vertical
16000.034	36.34	54.00	-17.66	RMS	128	146	Horizontal

Table 687 - U-NII-2A - 5320 MHz (CH64), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

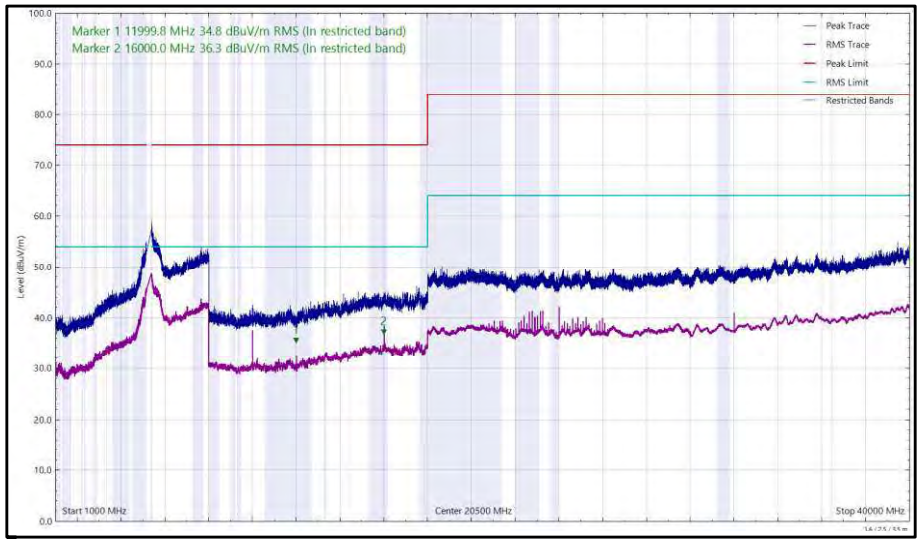

Figure 534 - U-NII-2A - 5320 MHz (CH64), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

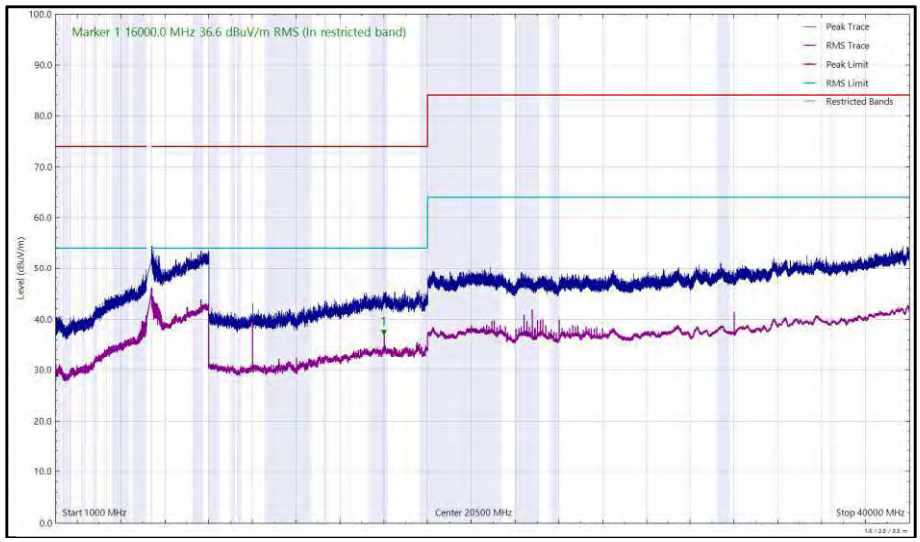

Figure 535 - U-NII-2A - 5320 MHz (CH64), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11633.108	35.27	54.00	-18.73	RMS	251	172	Horizontal
15999.985	39.99	54.00	-14.01	RMS	78	139	Horizontal
16000.025	37.98	54.00	-16.02	RMS	114	326	Vertical

Table 688 - U-NII-2A - 5320 MHz (CH64), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

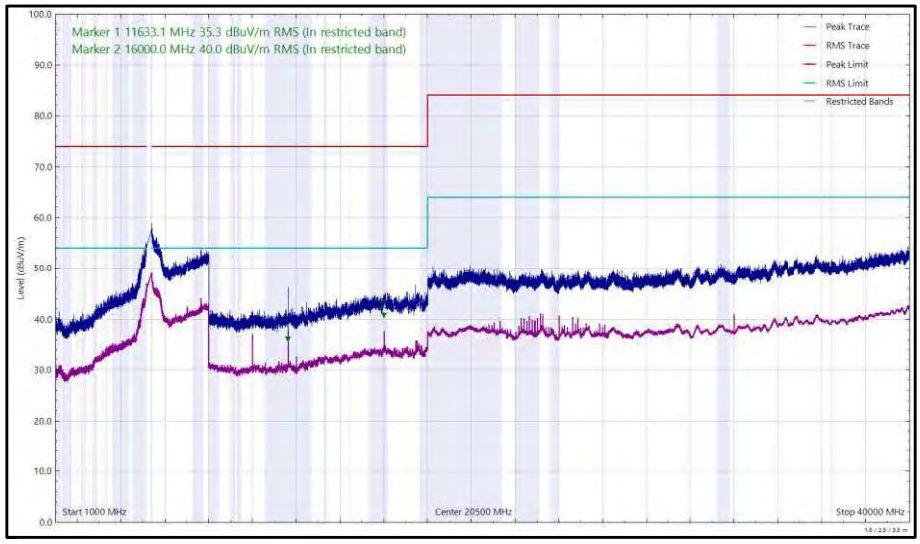

Figure 536 - U-NII-2A - 5320 MHz (CH64), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

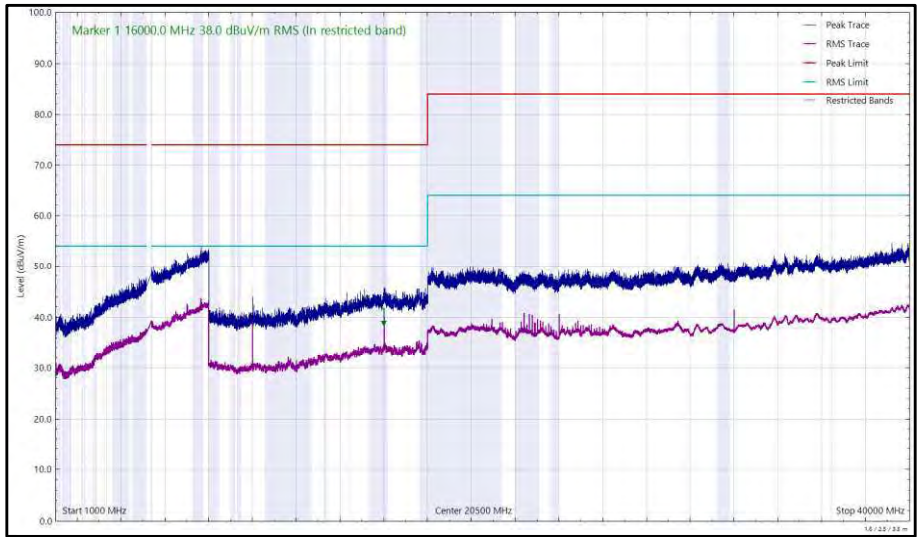

Figure 537 - U-NII-2A - 5320 MHz (CH64), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.878	36.75	54.00	-17.25	RMS	254	300	Horizontal
16000.040	41.48	54.00	-12.52	RMS	118	128	Vertical
16000.045	40.34	54.00	-13.66	RMS	127	151	Horizontal

Table 689 - 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.

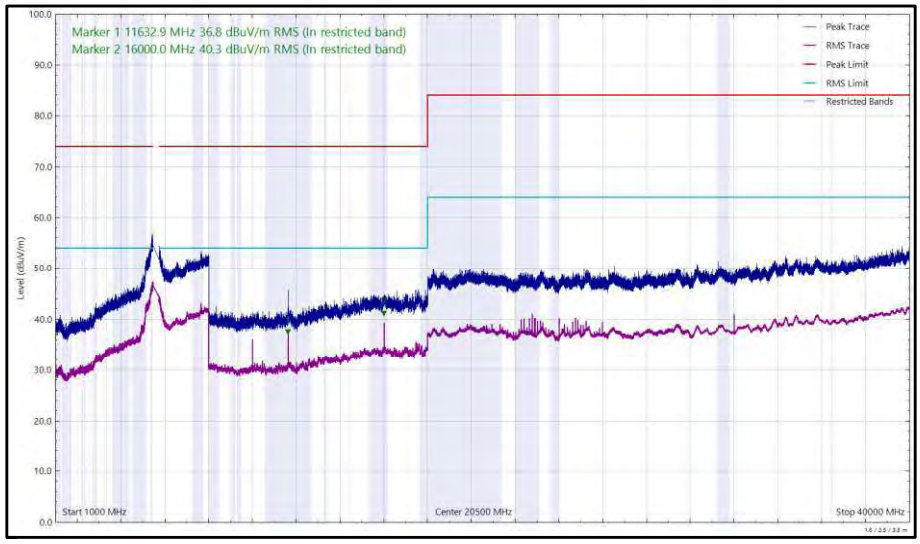

Figure 538 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

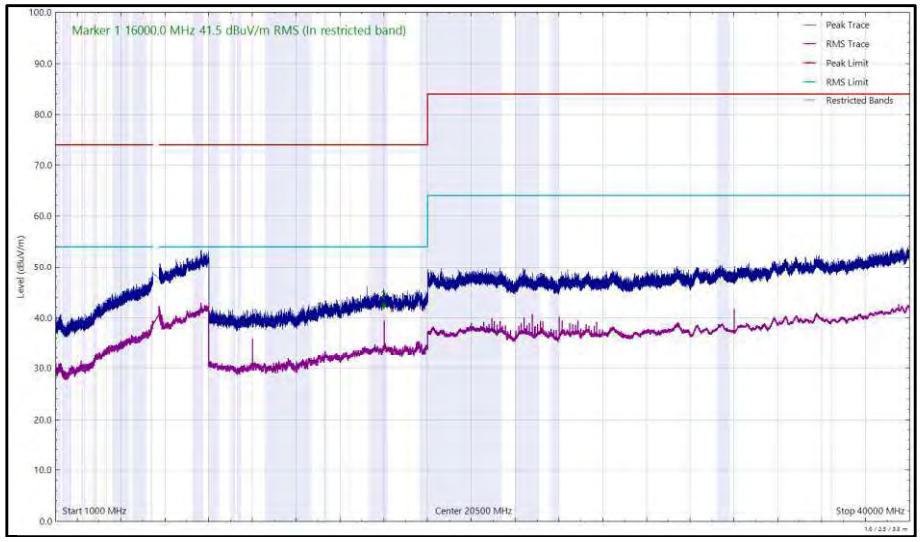

Figure 539 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.703	37.99	54.00	-16.01	RMS	247	141	Horizontal
11999.910	34.72	54.00	-19.28	RMS	113	168	Horizontal
15999.955	39.48	54.00	-14.52	RMS	79	141	Horizontal
16000.065	38.60	54.00	-15.40	RMS	119	135	Vertical

Table 690 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

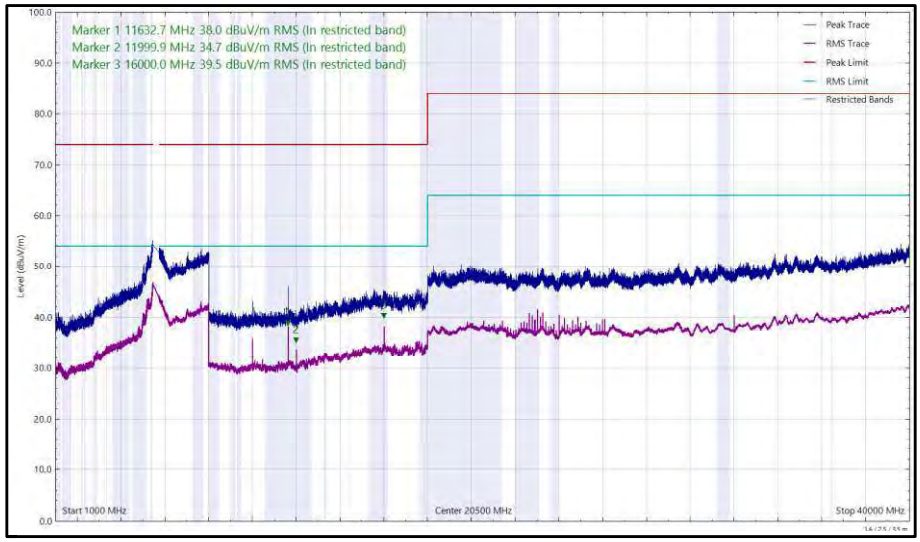

Figure 540 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

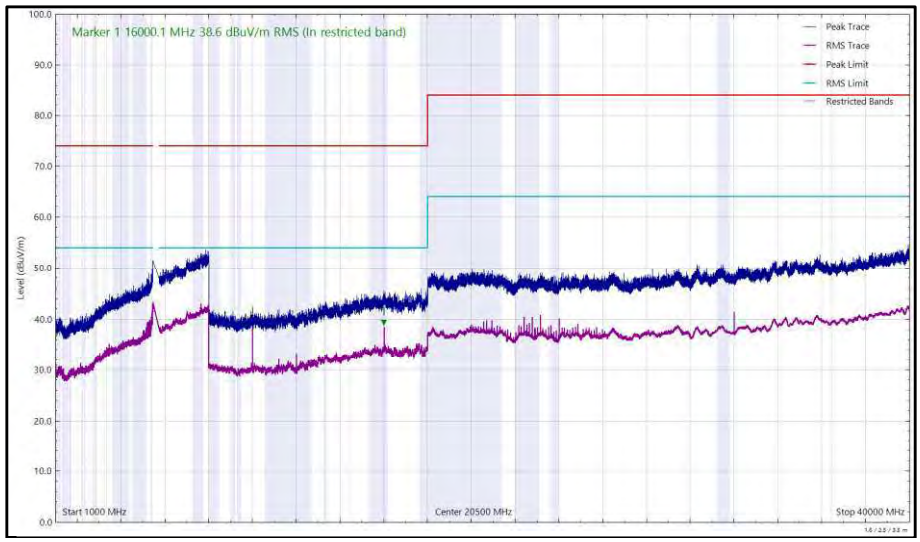

Figure 541 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.843	38.23	54.00	-15.77	RMS	246	150	Horizontal
16000.007	40.69	54.00	-13.31	RMS	118	131	Vertical
16000.036	40.08	54.00	-13.92	RMS	78	137	Horizontal

Table 691 - U-NII-2C - 5500 MHz (CH100), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

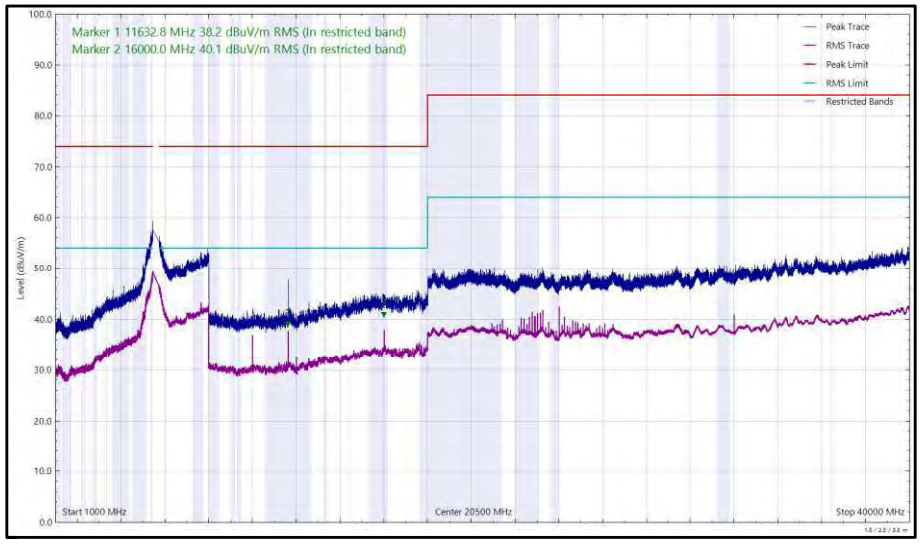

Figure 542 - U-NII-2C - 5500 MHz (CH100), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

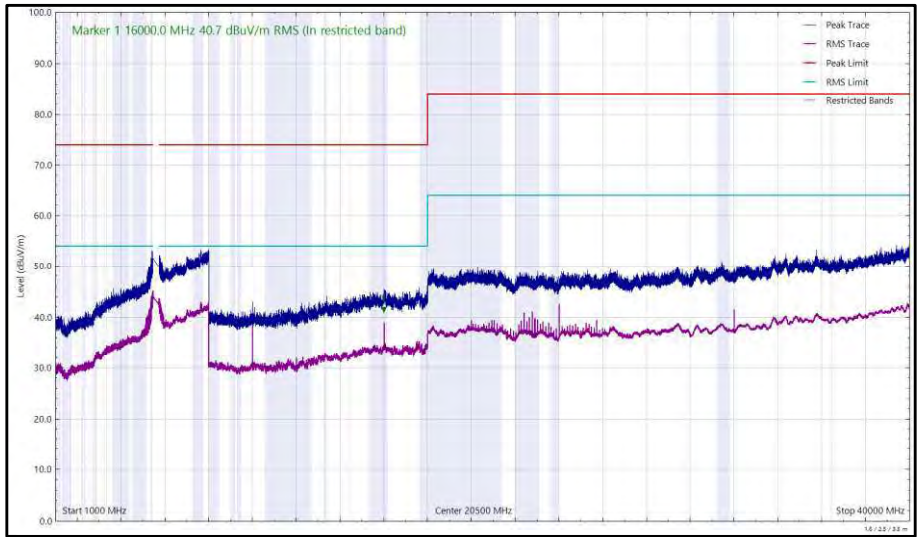

Figure 543 - U-NII-2C - 5500 MHz (CH100), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
15999.995	40.56	54.00	-13.44	RMS	118	126	Vertical
16000.052	39.62	54.00	-14.38	RMS	127	152	Horizontal

Table 692 - U-NII-2C - 5500 MHz (CH100), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

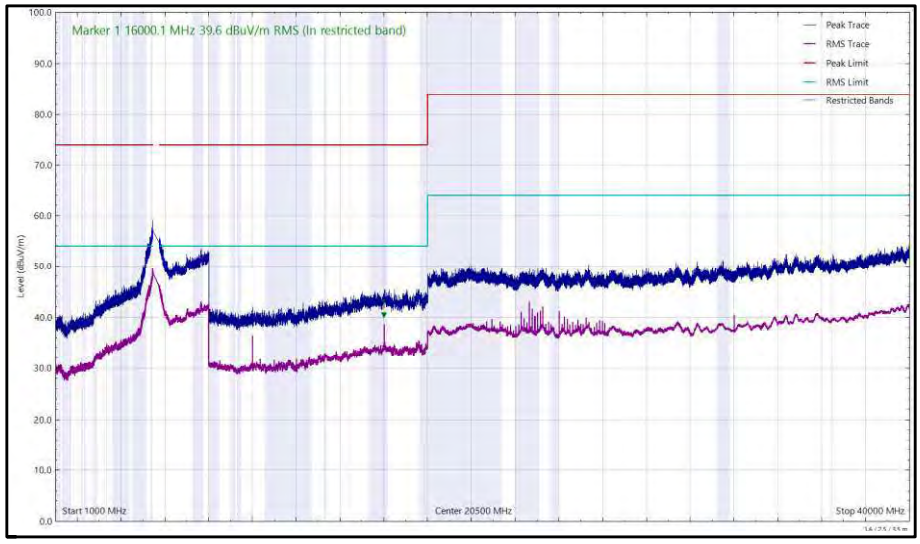

Figure 544 - U-NII-2C - 5500 MHz (CH100), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

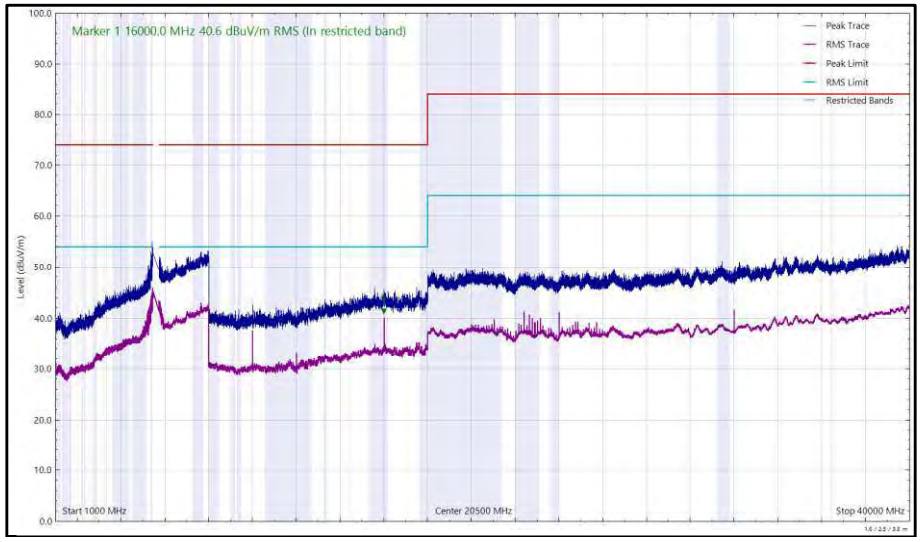

Figure 545 - U-NII-2C - 5500 MHz (CH100), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.879	35.54	54.00	-18.46	RMS	237	151	Horizontal
15999.958	40.12	54.00	-13.88	RMS	127	146	Horizontal
15999.958	41.78	54.00	-12.22	RMS	117	125	Vertical

Table 693 - 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.

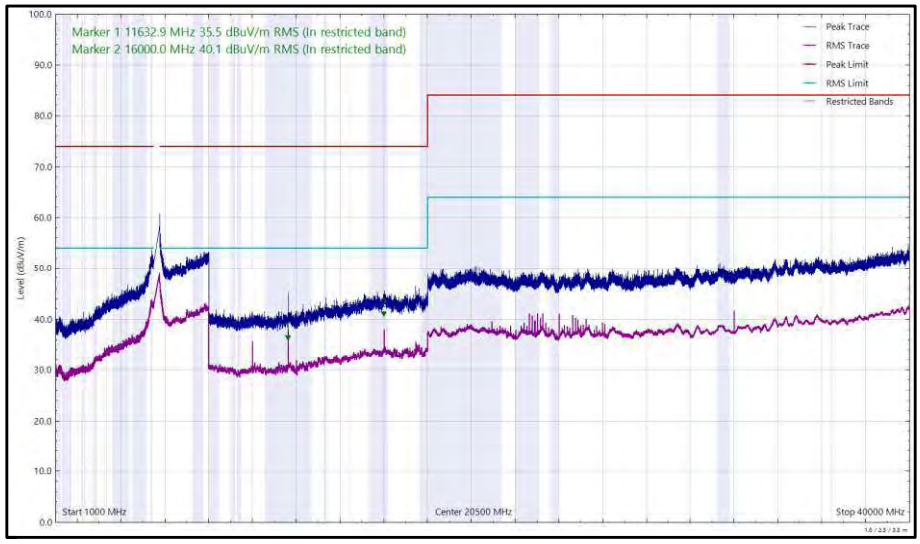

Figure 546 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

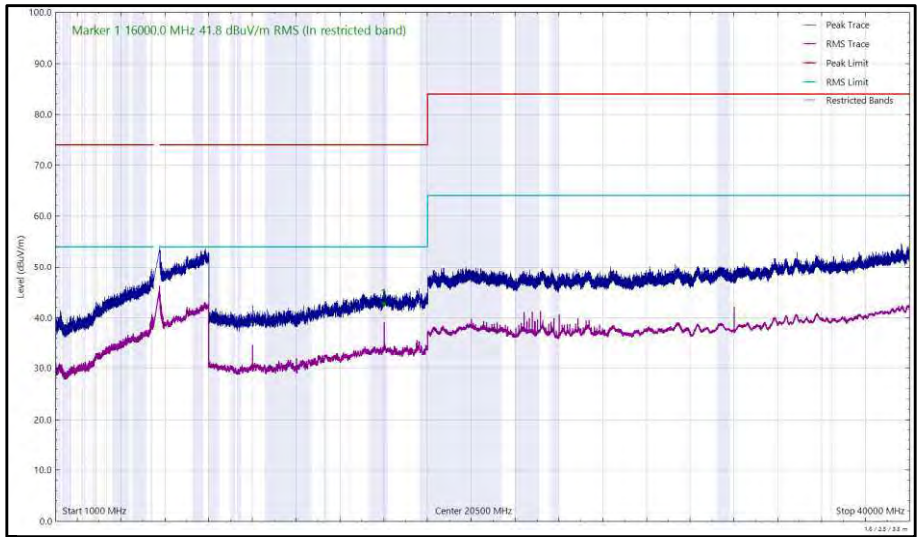

Figure 547 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.976	36.51	54.00	-17.49	RMS	178	150	Horizontal
15999.964	41.03	54.00	-12.97	RMS	126	150	Horizontal
15999.982	41.53	54.00	-12.47	RMS	117	122	Vertical

Table 694 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

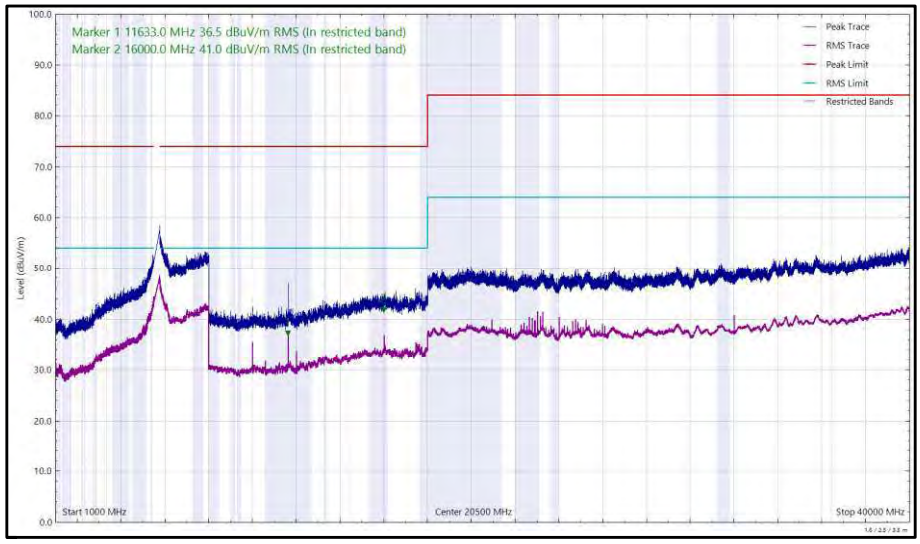

Figure 548 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

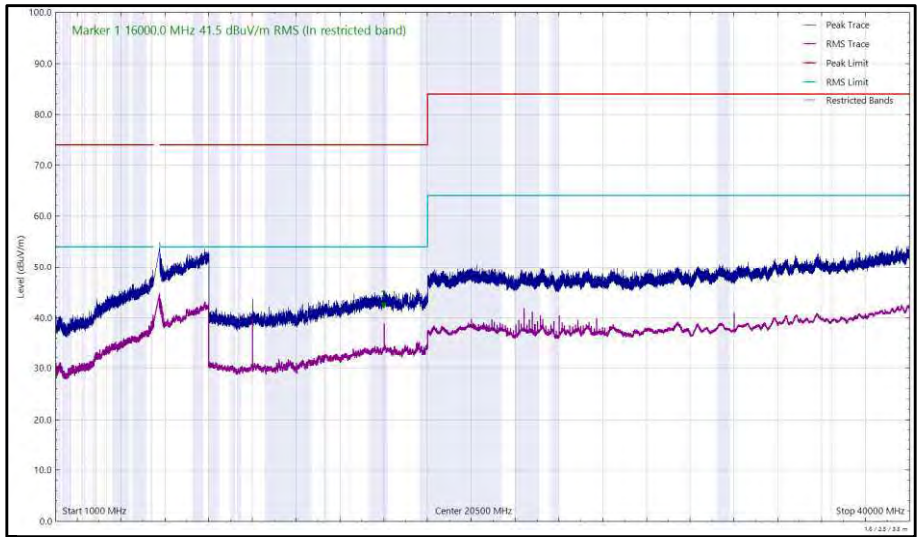

Figure 549 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.921	36.89	54.00	-17.11	RMS	255	316	Horizontal
16000.030	39.00	54.00	-15.00	RMS	303	148	Vertical
16000.060	41.29	54.00	-12.71	RMS	126	145	Horizontal

Table 695 - U-NII-2C - 5700 MHz (CH140), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

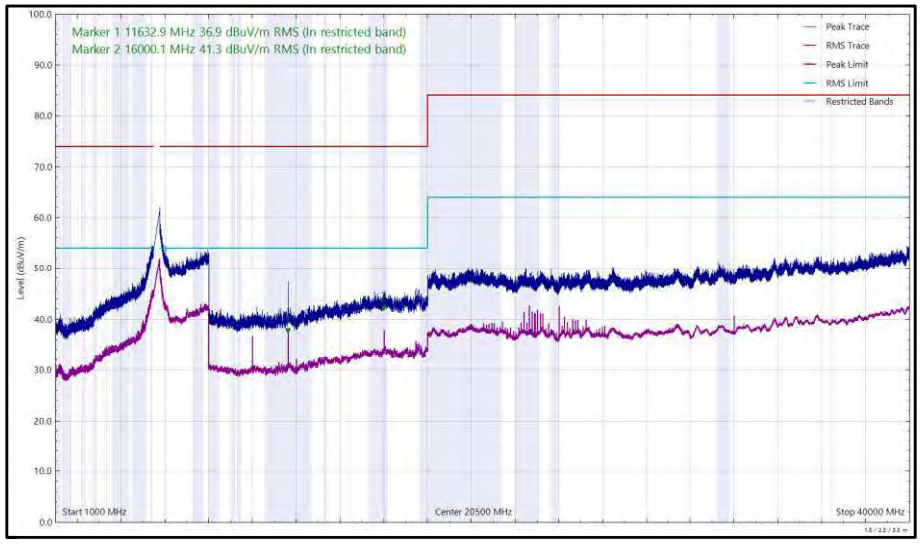

Figure 550 - U-NII-2C - 5700 MHz (CH140), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

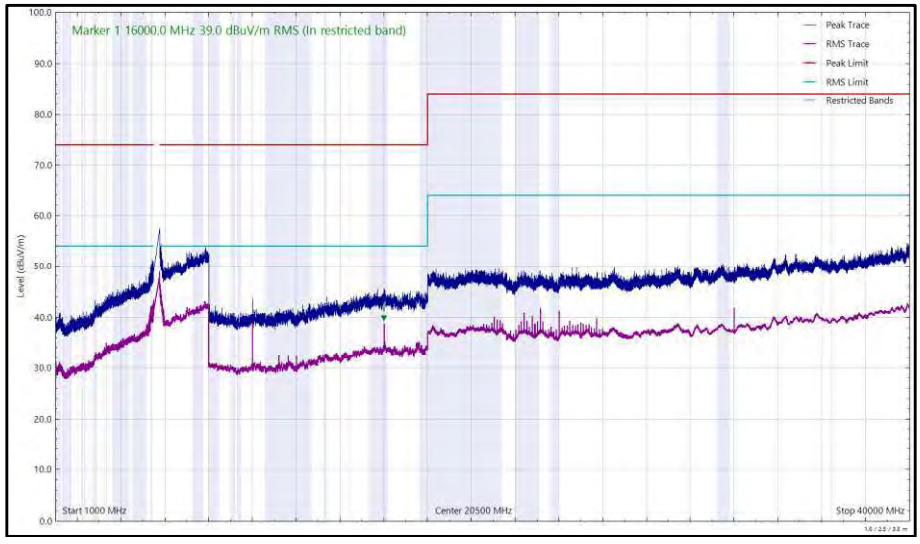

Figure 551 - U-NII-2C - 5700 MHz (CH140), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11385.258	34.79	54.00	-19.21	RMS	218	159	Horizontal
11999.878	34.49	54.00	-19.51	RMS	113	172	Horizontal
15999.974	39.52	54.00	-14.48	RMS	89	103	Vertical
15999.992	39.76	54.00	-14.24	RMS	127	155	Horizontal

Table 696 - U-NII-2C - 5700 MHz (CH140), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

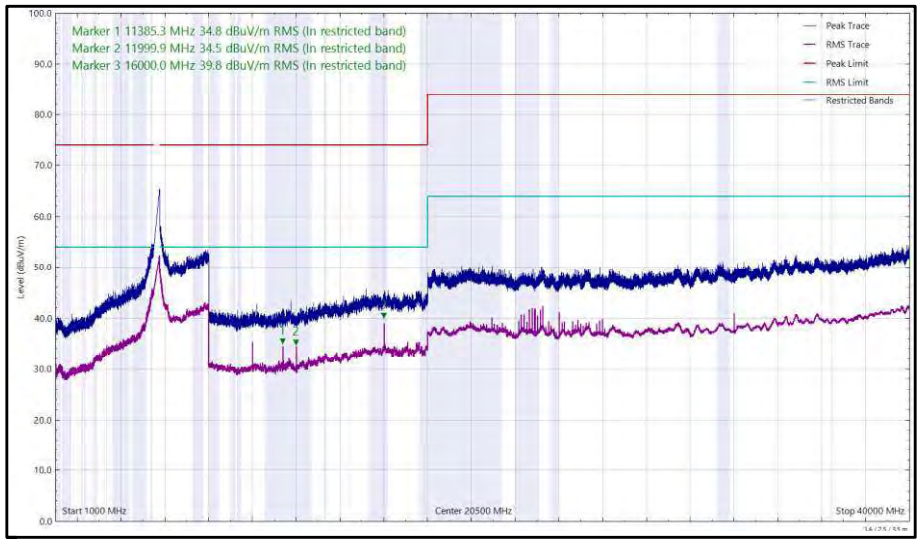

Figure 552 - U-NII-2C - 5700 MHz (CH140), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

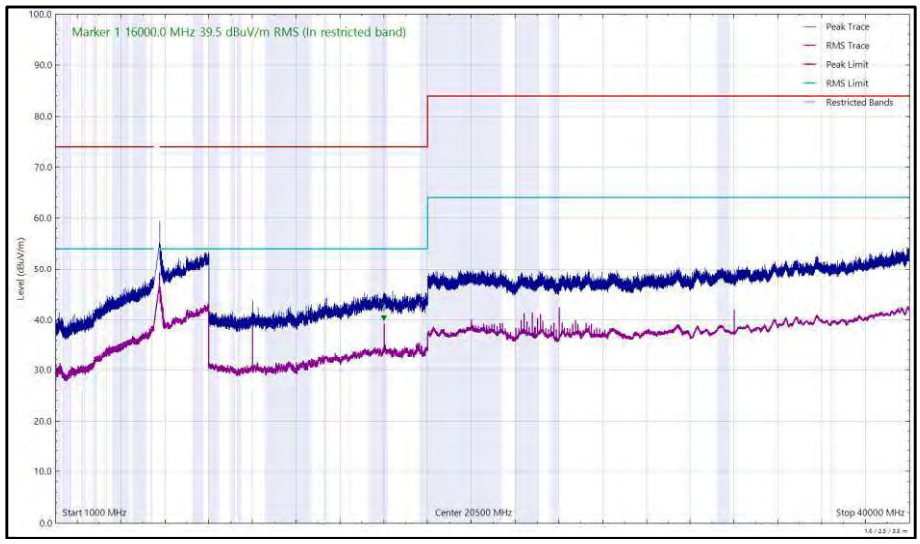

Figure 553 - U-NII-2C - 5700 MHz (CH140), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11632.958	36.22	54.00	-17.78	RMS	177	140	Horizontal
15999.915	37.71	54.00	-16.29	RMS	119	124	Vertical
16000.030	40.76	54.00	-13.24	RMS	125	135	Horizontal

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.

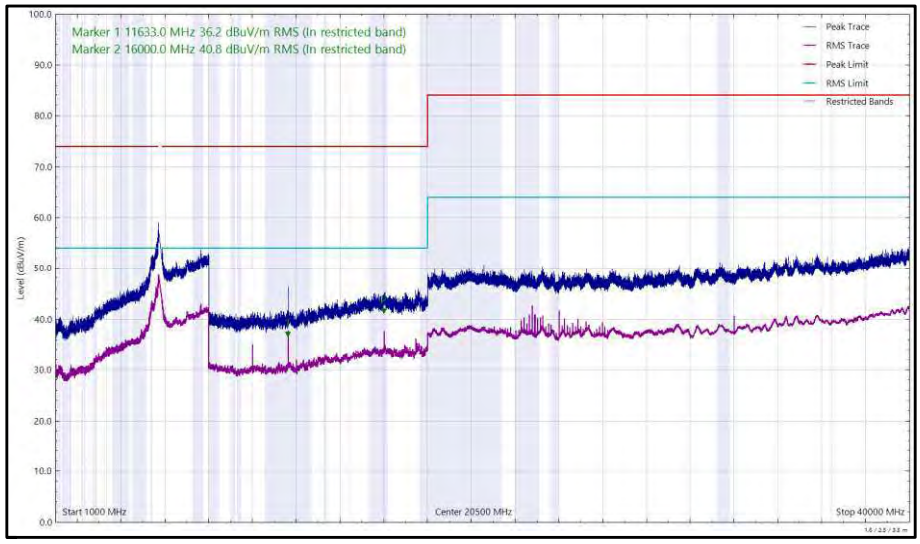

Figure 554 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

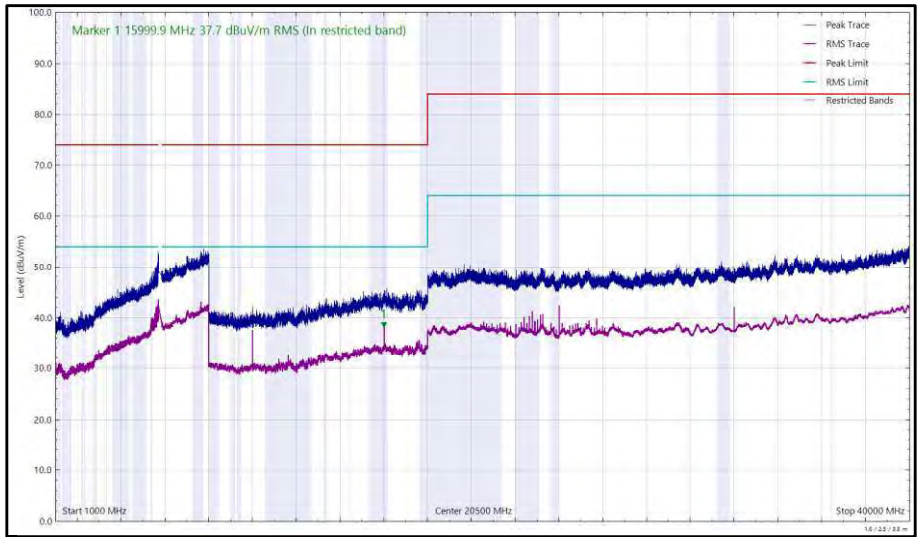

Figure 555 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
15999.974	39.41	54.00	-14.59	RMS	127	166	Horizontal
16000.016	38.93	54.00	-15.07	RMS	91	169	Vertical

Table 698 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

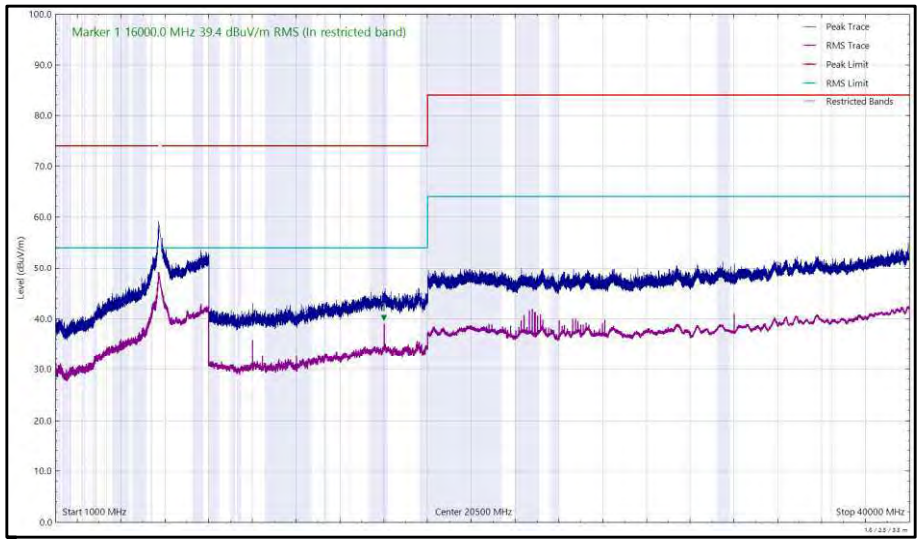

Figure 556 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

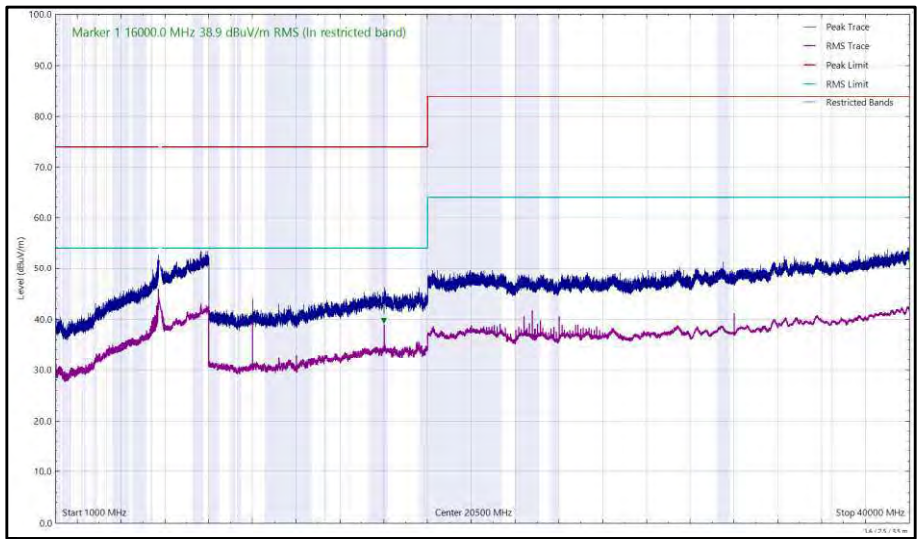

Figure 557 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
15999.983	41.14	54.00	-12.86	RMS	126	148	Horizontal
16000.010	36.68	54.00	-17.32	RMS	126	150	Vertical

Table 699 - U-NII-3 - 5745 MHz (CH149), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

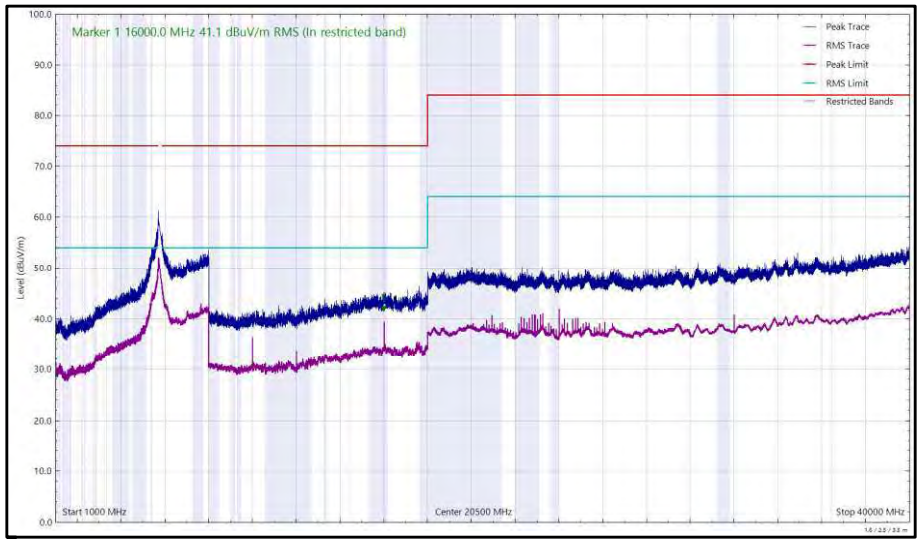

Figure 558 - U-NII-3 - 5745 MHz (CH149), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

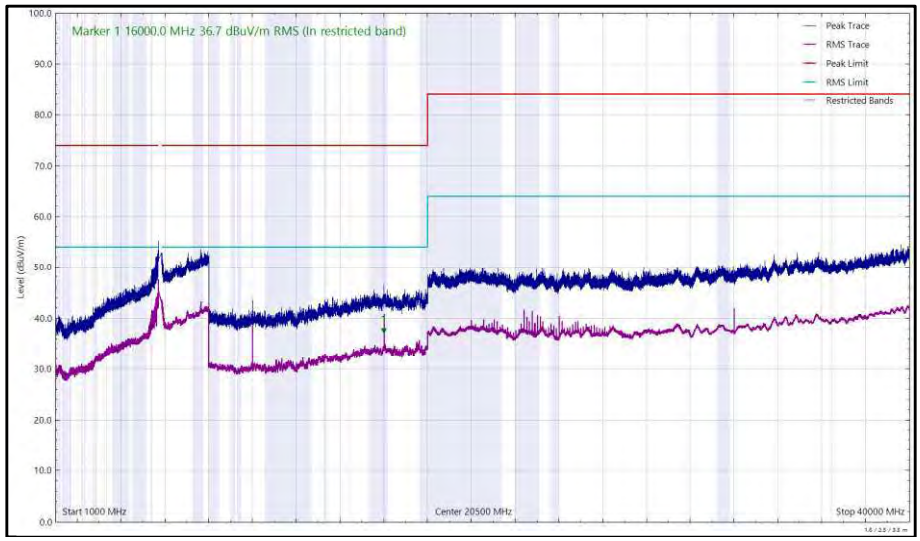

Figure 559 - U-NII-3 - 5745 MHz (CH149), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
11472.817	35.16	54.00	-18.84	RMS	212	172	Horizontal
15999.983	40.03	54.00	-13.97	RMS	127	154	Horizontal
16000.025	37.26	54.00	-16.74	RMS	102	281	Vertical
17209.136	51.06	68.20	-17.14	Peak	241	110	Horizontal

Table 700 - U-NII-3 - 5745 MHz (CH149), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

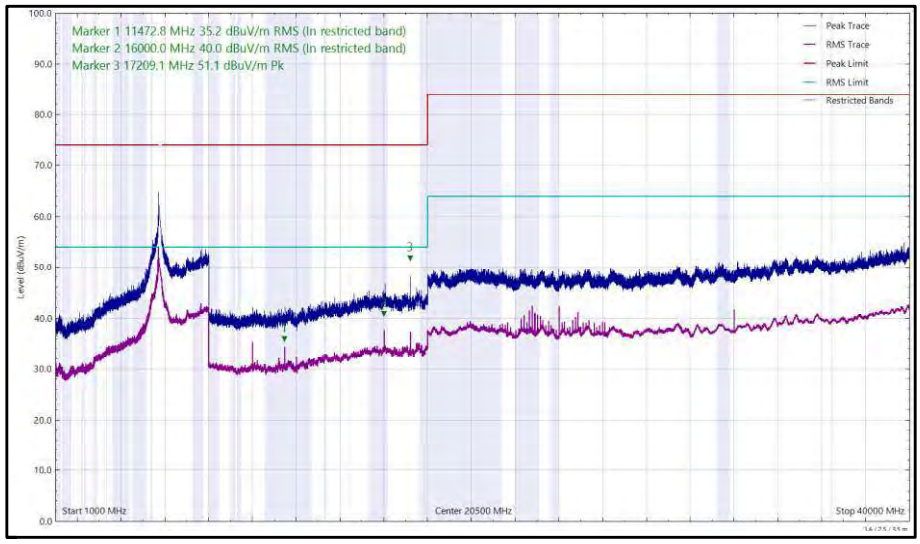

Figure 560 - U-NII-3 - 5745 MHz (CH149), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

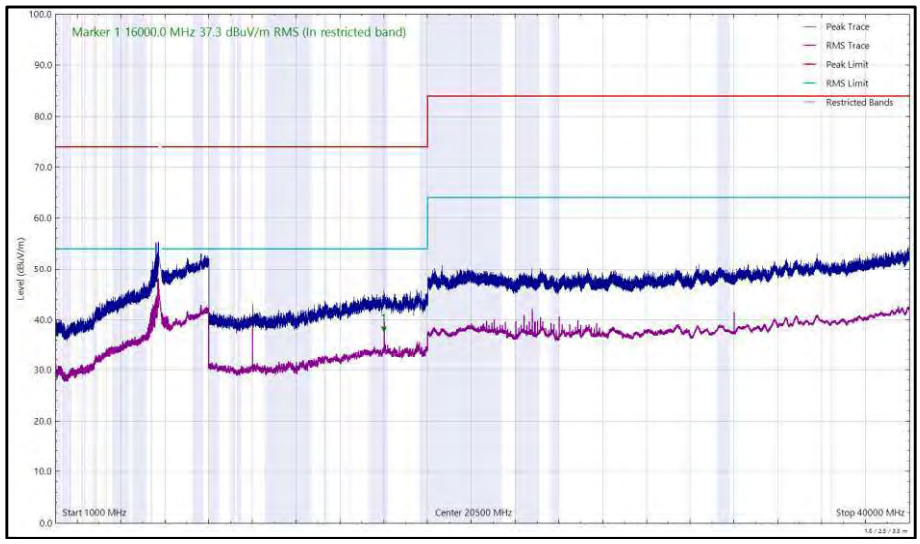

Figure 561 - U-NII-3 - 5745 MHz (CH149), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
36.265	21.93	40.00	-18.07	Q-Peak	122	109	Vertical
58.195	23.22	40.00	-16.78	Q-Peak	358	125	Vertical
16000.007	39.29	54.00	-14.71	RMS	78	156	Horizontal
16000.043	36.03	54.00	-17.97	RMS	154	322	Vertical

Table 701 - 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.

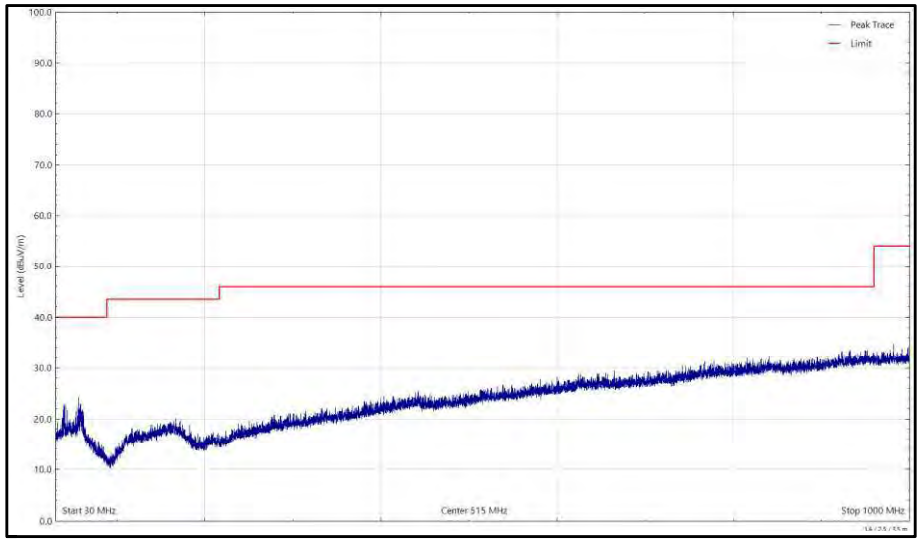

Figure 562 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

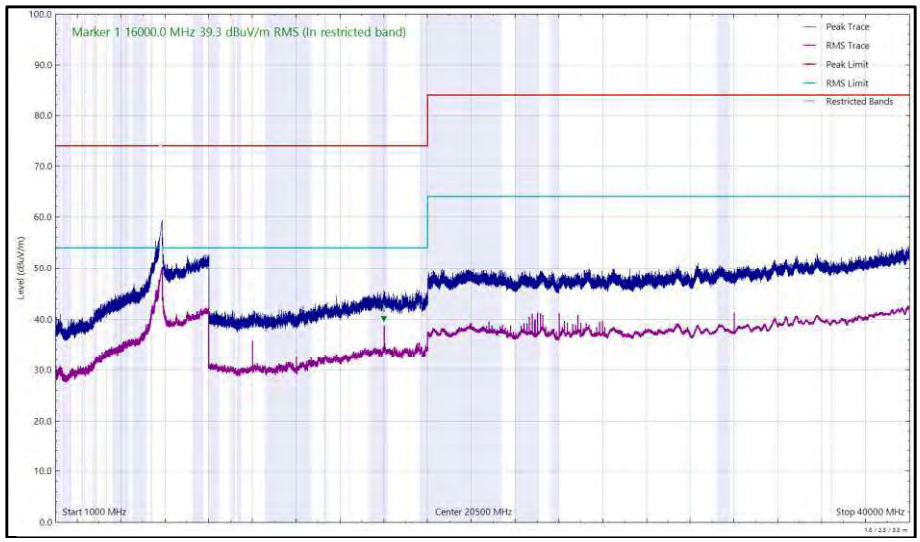

Figure 563 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

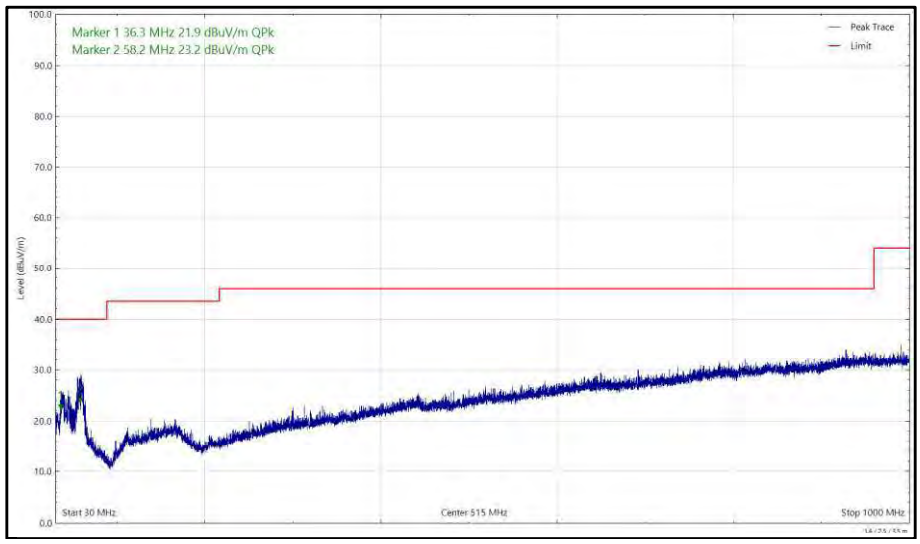

Figure 564 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

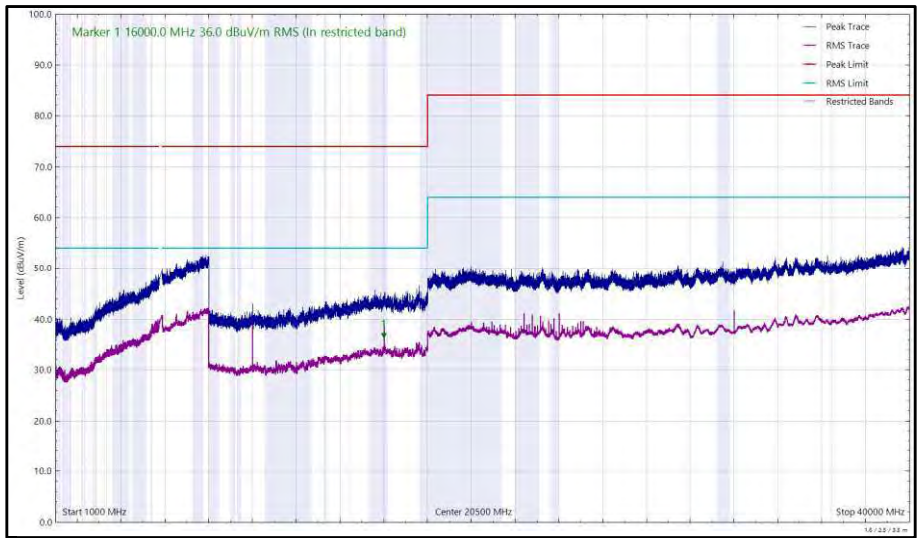

Figure 565 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
58.155	23.71	40.00	-16.29	Q-Peak	325	105	Vertical
15999.995	37.06	54.00	-16.94	RMS	128	172	Horizontal
16000.049	37.83	54.00	-16.17	RMS	114	398	Vertical

Table 702 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

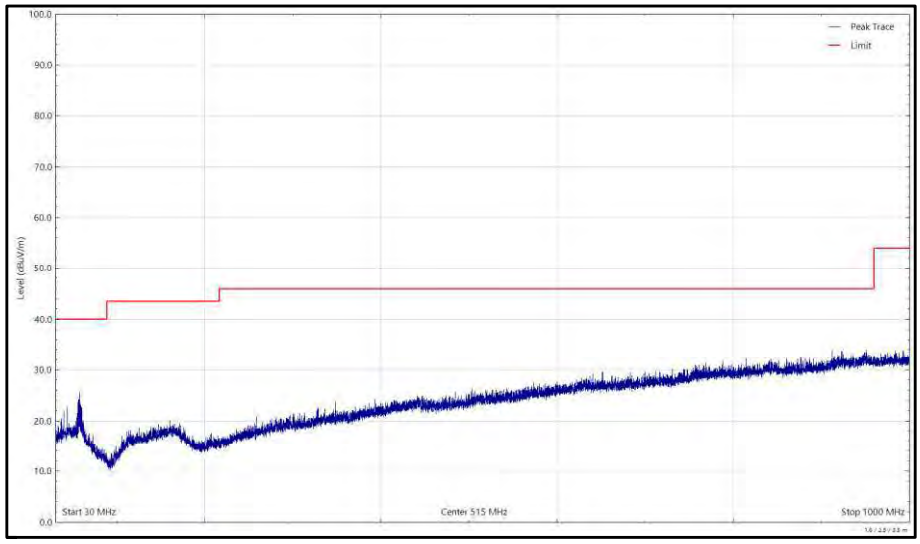

Figure 566 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

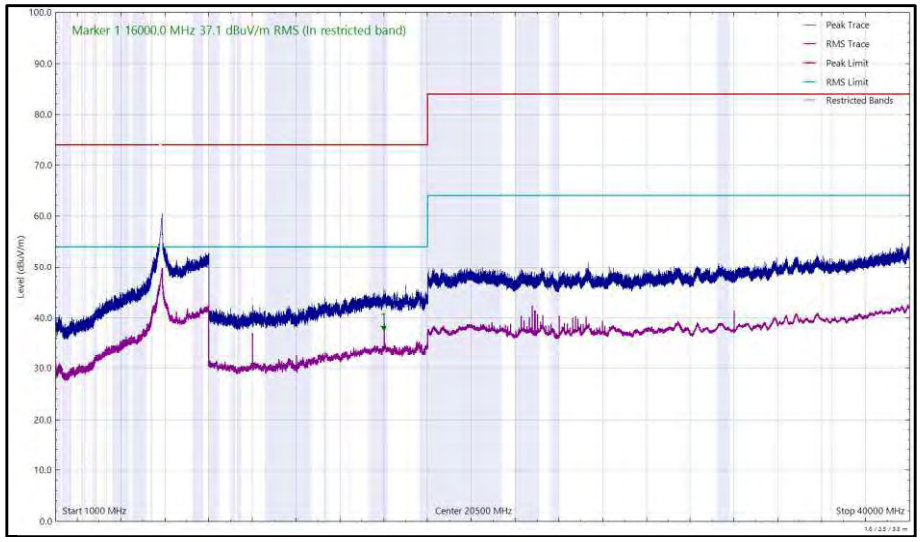

Figure 567 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

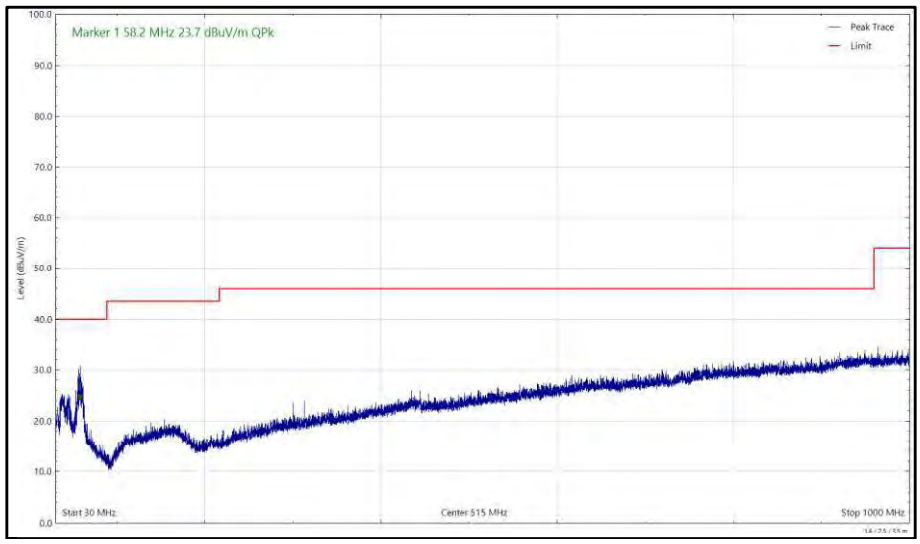

Figure 568 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

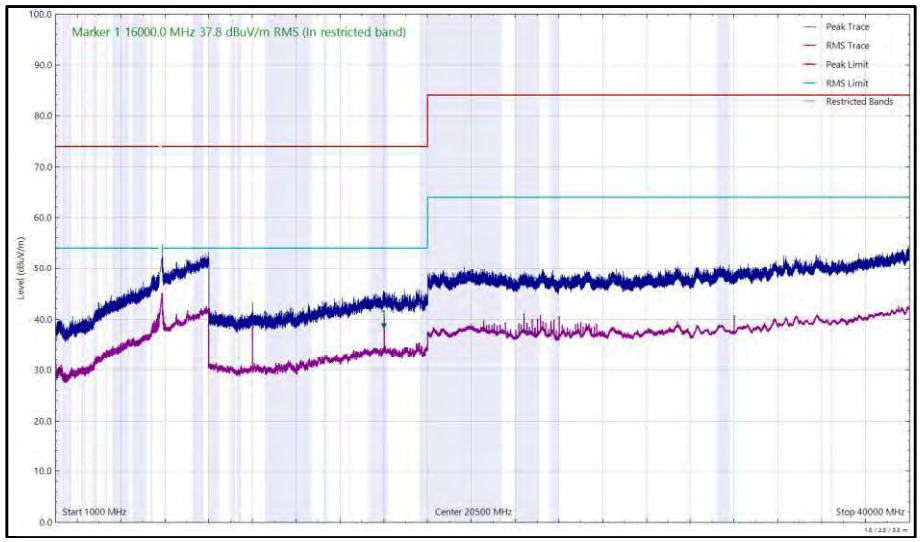

Figure 569 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
57.391	23.40	40.00	-16.60	Q-Peak	322	106	Vertical
15999.988	41.22	54.00	-12.78	RMS	126	144	Horizontal
16000.046	38.47	54.00	-15.53	RMS	89	116	Vertical

Table 703 - U-NII-3 - 5825 MHz (CH165), VHT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

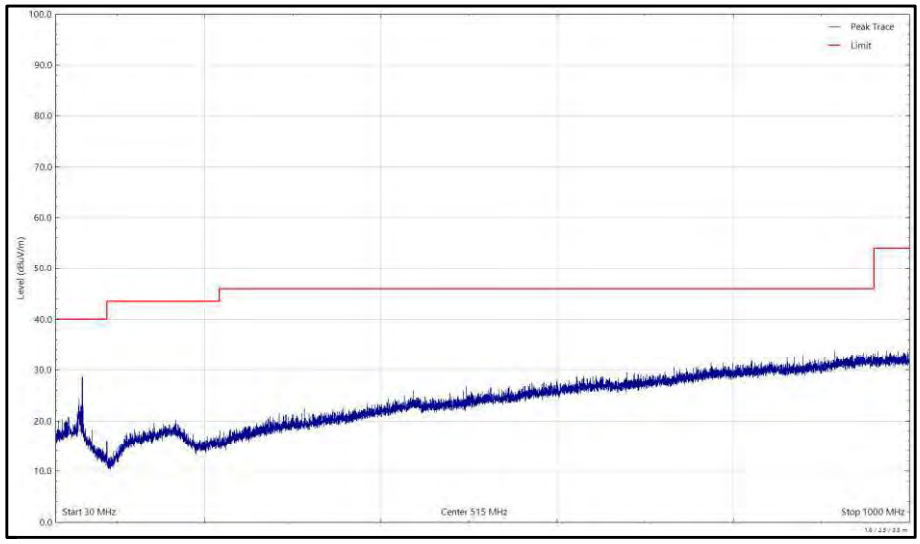

Figure 570 - U-NII-3 - 5825 MHz (CH165), VHT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

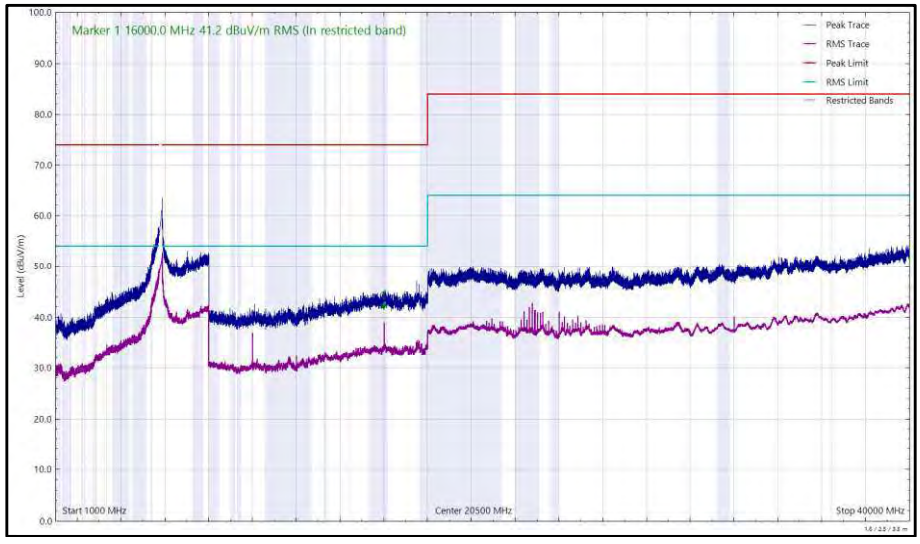

Figure 571 - U-NII-3 - 5825 MHz (CH165), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

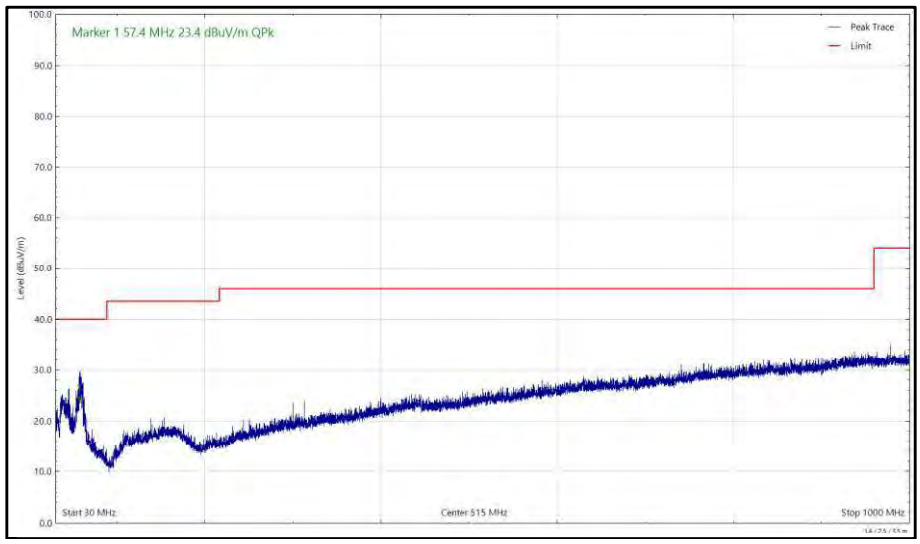

Figure 572 - U-NII-3 - 5825 MHz (CH165), VHT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

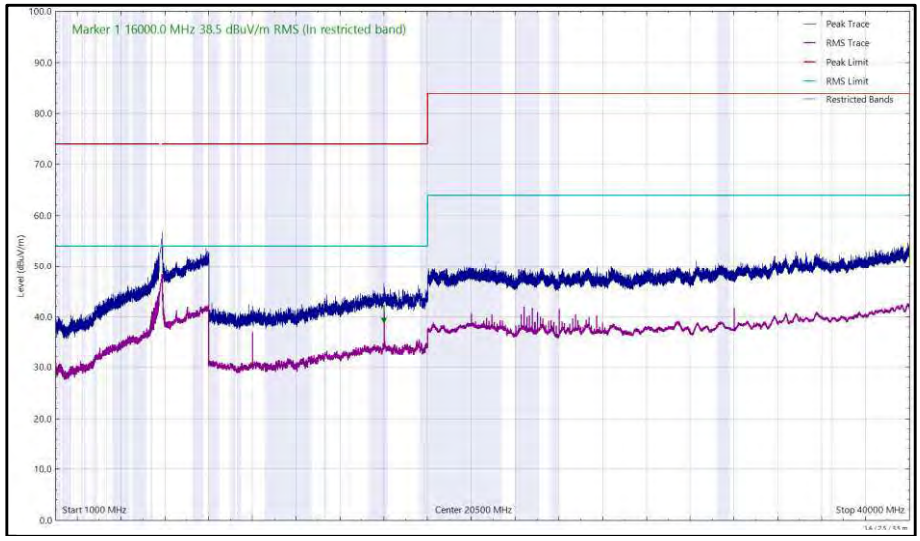

Figure 573 - U-NII-3 - 5825 MHz (CH165), VHT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
58.076	23.06	40.00	-16.94	Q-Peak	305	100	Vertical
11632.821	38.14	54.00	-15.86	RMS	216	159	Horizontal
11999.867	34.25	54.00	-19.75	RMS	113	140	Horizontal
16000.021	36.76	54.00	-17.24	RMS	83	212	Horizontal
16000.079	37.25	54.00	-16.75	RMS	301	156	Vertical

Table 704 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

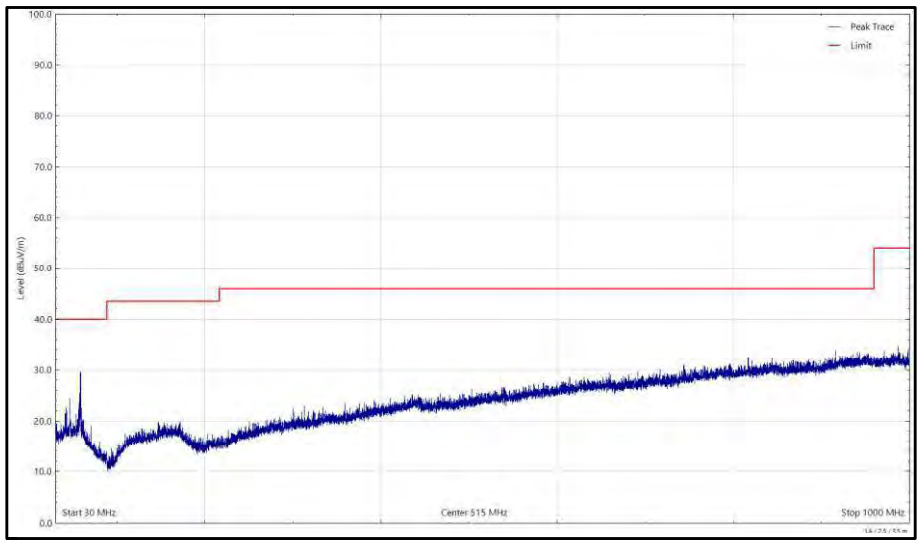

Figure 574 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

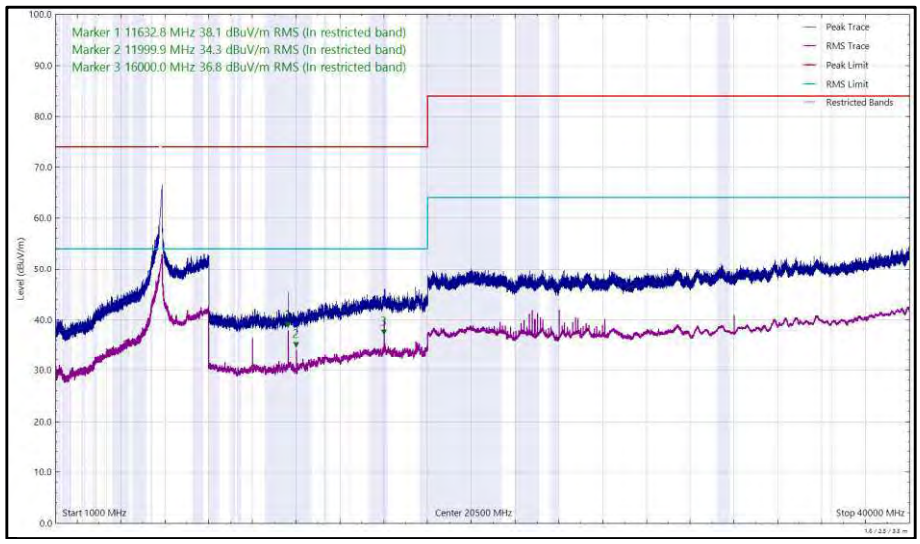

Figure 575 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

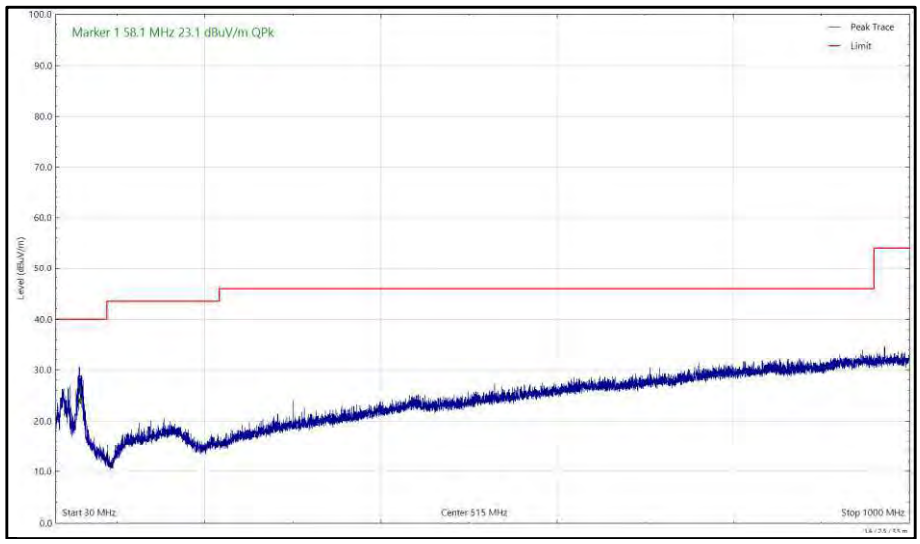

Figure 576 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

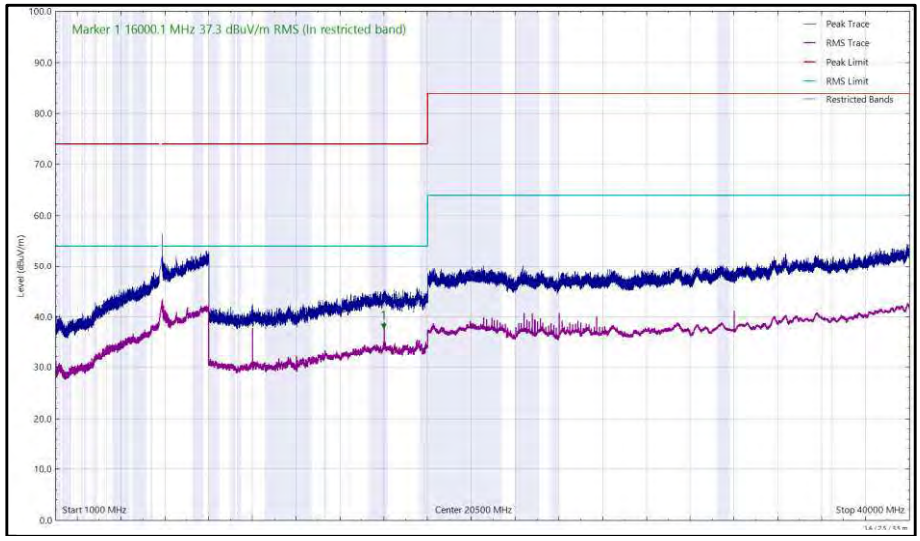

Figure 577 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Emissions not falling within the restricted bands listed in FCC 47 CFR Part 15.209:

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.

Emissions within the restricted bands listed in FCC 47 CFR Part 15.209:

Frequency (MHz)	Field Strength (µV/m)at 3m	Field Strength Limit (dBµV/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 705 - Radiated Emissions Limit Table (FCC)

ISED RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2 and ISED RSS-GEN, Limit Clause 8.9

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

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.

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

Frequency (MHz)	Field Strength Limit at 3m (µV/m)	Field Strength Limit at 3m (dBµV/m)
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 706 - Radiated Emissions Limit Table (ISED)

2.6.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.1.10	5125	-	Software
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	24-Feb-2023
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5935	12	14-May-2023
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5939	12	29-May-2023
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5944	24	03-Feb-2024
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	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
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5996	12	06-Jun-2023
Cable (N to N 1m)	Junkosha	MWX221-01000NMSNMS/B	5999	12	05-Jun-2023
Cable (N to N 7m)	Junkosha	MWX221-07000NMSNMS/B	6005	12	05-Jun-2023
Cable (N to N 8m)	Junkosha	MWX221-08000NMSNMS/A	6006	12	05-Jun-2023
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	06-Jun-2023
Cable (SMA to SMA 6.5m)	Junkosha	MWX221-06500AMSAMS/B	6014	12	07-Jun-2023
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	21-Jun-2023
Digital Multimeter	Fluke	115	6147	12	16-Jun-2023
Humidity & Temperature meter	RS Components	1364	6150	12	17-Jun-2023
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6187	24	02-Jun-2024
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	12-Dec-2023
8 GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	15-Jul-2023
Pre-amp 8 - 18 GHz	Wright Technologies	APS06 0061	6198	12	19-Jul-2023
Attenuator 4dB	Pasternack	PE7074-4	6203	24	16-Jul-2024
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	25-Jul-2023

Table 707

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

2.7 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

2.7.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (h)(2)(iii)(iv)
ISED RSS-247, Clause 6.3.2(c)(d)(e)

2.7.2 Equipment Under Test and Modification State

A2786, S/N: L650Q14X71 - Modification State 0

2.7.3 Date of Test

22-February-2023 to 23-February-2023

2.7.4 Test Method

This test was performed in accordance with FCC KDB 905462 D02, clause 7.8.3.

To calibrate the level of the radar at the input to the DFS Master device, the DFS Master was replaced by the spectrum analyser and the output of the vector signal generator adjusted to give -62 dBm.

Radar Pulse Type 0 was transmitted, and the spectrum monitored. The transmissions from the UUT were observed for a period of 12 seconds after the final injected Radar Pulse.

It was checked that all transmissions stopped within the 10 second period defined from the point of the end of the final Radar pulse + 10 seconds. In addition, the aggregate on time during the first 200 ms and the following 9.8 seconds of the Channel Move Time was computed.

The markers on the trace data correspond to the following time periods:

Yellow - End Of Radar Burst, (T0)
Purple - End Of Channel Move Time, (T0 + 10 seconds)

To verify the non-occupancy period, the external trigger was used to trigger a 30-minute sweep from the moment the radar burst sequence was injected. It was verified that no transmissions occurred on the test channel during this time period.

The EUT supports direct communication with another client while under supervision of a DFS Master. Therefore, this direct client-to-client mode was also tested in accordance with KDB 905462 D03 clause (b)3.

2.7.5 Environmental Conditions

Ambient Temperature	22.4 - 23.0 °C
Relative Humidity	32.0 - 35.7 %

2.7.6 Test Results

5 GHz WLAN - Master to Client - 802.11ac VHT160

The equipment was set up as shown in the diagram below.

A test laptop was connected via an Ethernet cable to the Master device and was configured to run iPerf, transmitting UDP to the EUT. An appropriate rate and buffer was found and used to achieve the correct channel loading. The EUT The channel loading was set to >17% by adjusting the bandwidth specified in the iPerf UDP transfer.

Radar Type	Pulse Width (µs)	PRI (µs)	Number of Pulses
0	1	1428	18

Table 708 - Radar Pulse Type 0 Characteristics

Manufacturer	Model	Serial Number	FCC ID
ASUS	GT-AXE11000	M8IG0X400285XVN	MSQ-RTAXJF00

Table 709 - Details of Master Device used to support testing

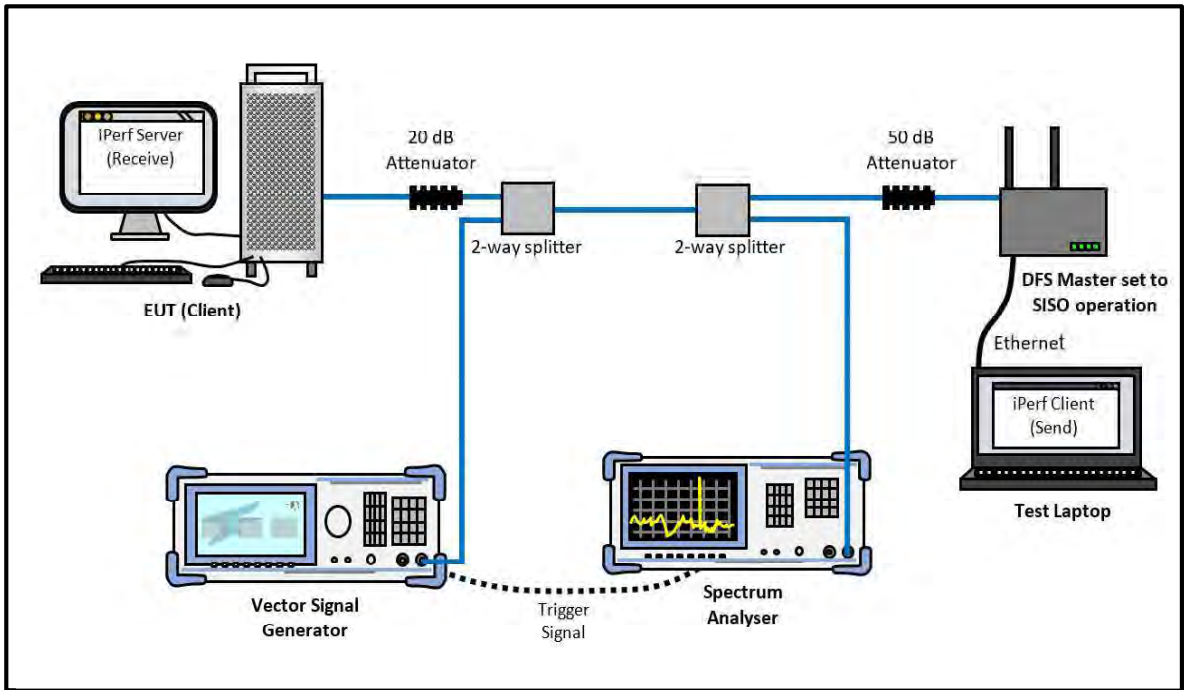

Figure 578 - Test Equipment Setup Diagram for Client without Radar Detection with Injection at the Master

Figure 579 - Verification of Radar Type 0

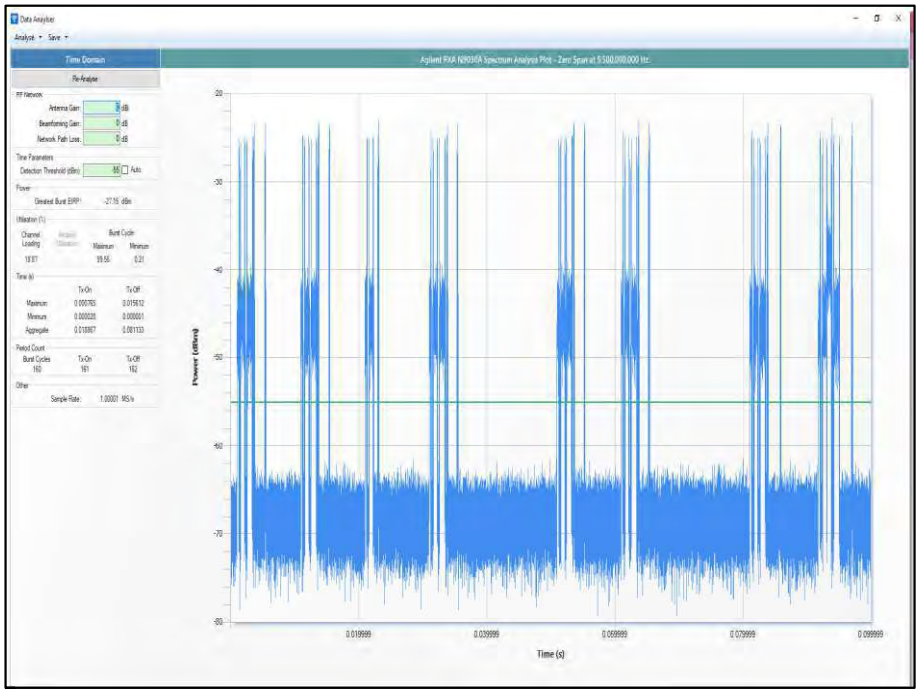

Figure 580 - Channel Loading

The channel loading was 18.87%

Maximum Transmit Power	Value (Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	

Table 710 - DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Test Parameter	Result
Test Channel	CH114 (5570 MHz), Control CH100 (5500 MHz)
Channel Move Time	0.067
Channel Closing Time (Aggregate Time During 200 ms)	7.625
Channel Closing Time (Aggregate Time During 200 ms to 10 s)	0
Channel Closing Time (Aggregate Time During 10 s)	7.625
Transmission Observed During Non-Occupancy Period	No

Table 711 - In-Service Monitoring Test Results

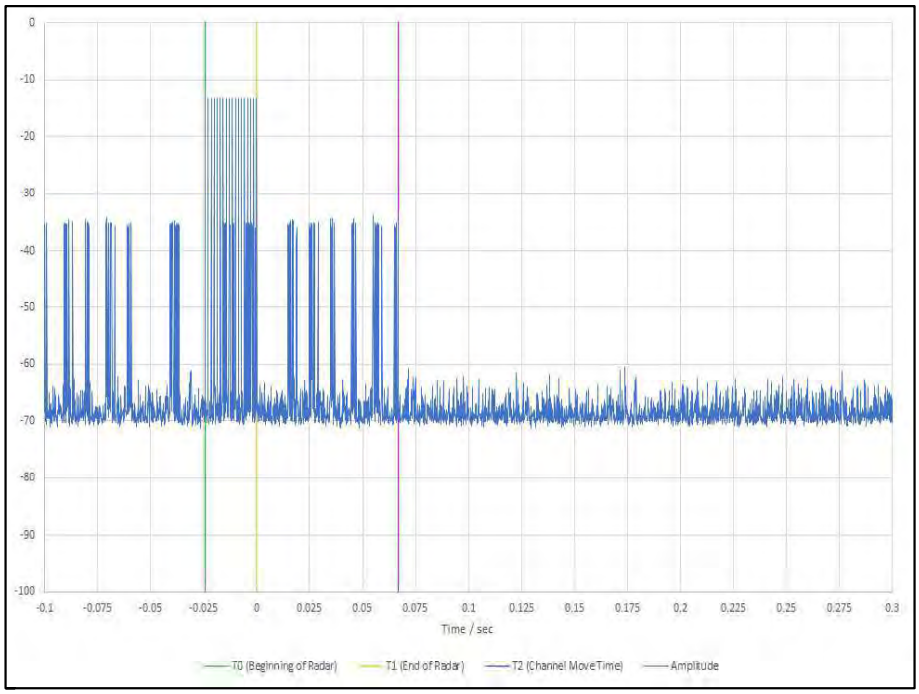

Figure 581 - First 200 ms of Channel Shutdown Period

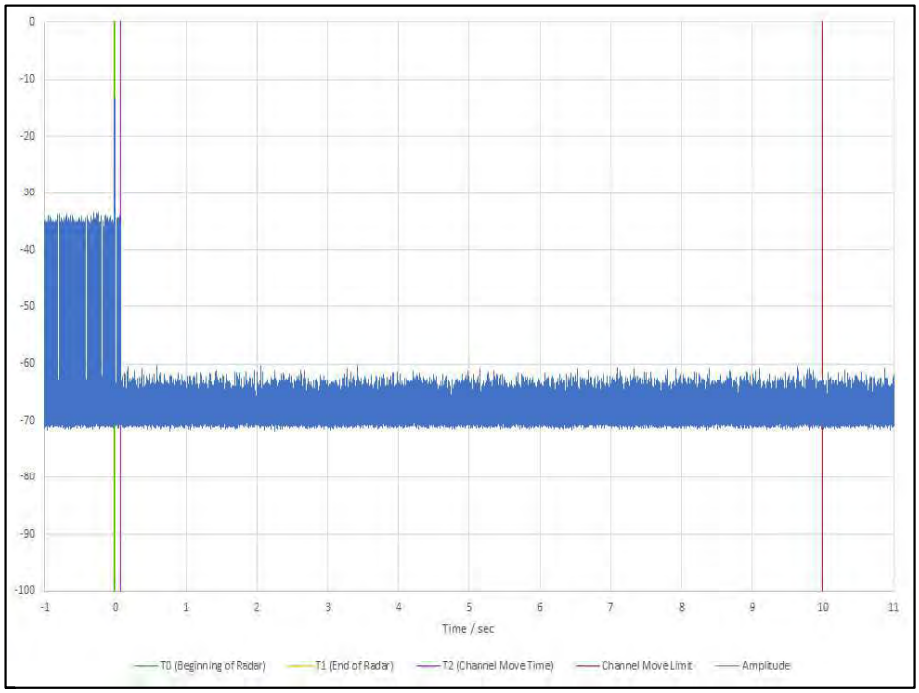

Figure 582 - First 12 s of Channel Shutdown Period

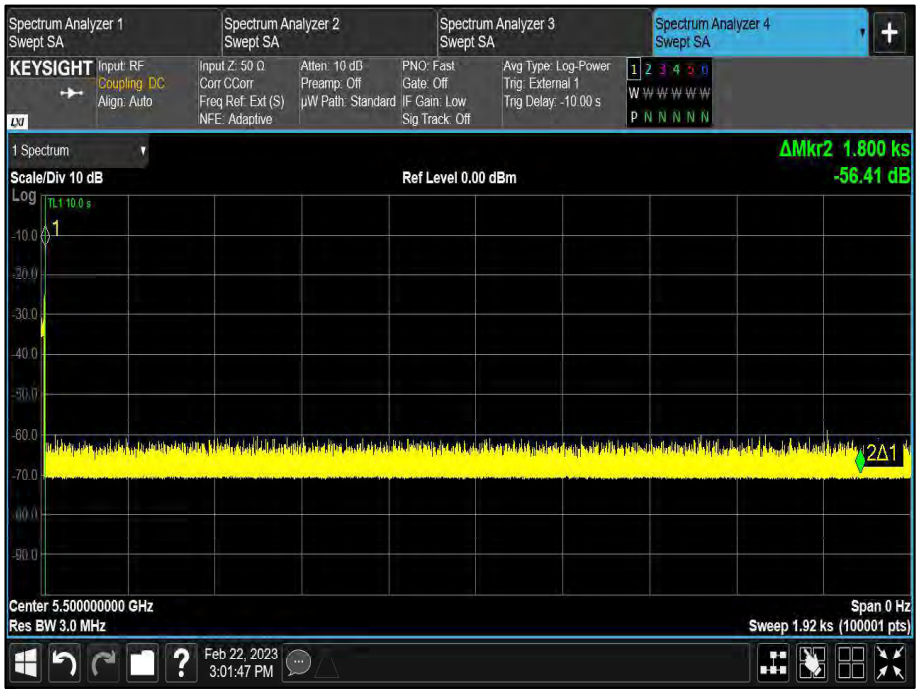

Figure 583 - 30 minute Non-Occupancy Period

5 GHz WLAN - Client to Client - 802.11ac VHT160

The equipment was set up as shown in the diagram below. The EUT and a 2nd client device were both connected to the DFS Master device. The 2nd client device was set to stream video directly to the EUT using the AirPlay protocol, while under the supervision of the DFS master (but without the DFS master re-transmitting the data packets). The channel loading was checked to ensure it was >17%.

Radar Type	Pulse Width (µs)	PRI (µs)	Number of Pulses
0	1	1428	18

Table 712 - Radar Pulse Type 0 Characteristics

Manufacturer	Model	Serial Number	FCC ID
ASUS	GT-AXE11000	M8IG0X400285XVN	MSQ-RTAXJF00

Table 713 - Details of Master Device used to support testing

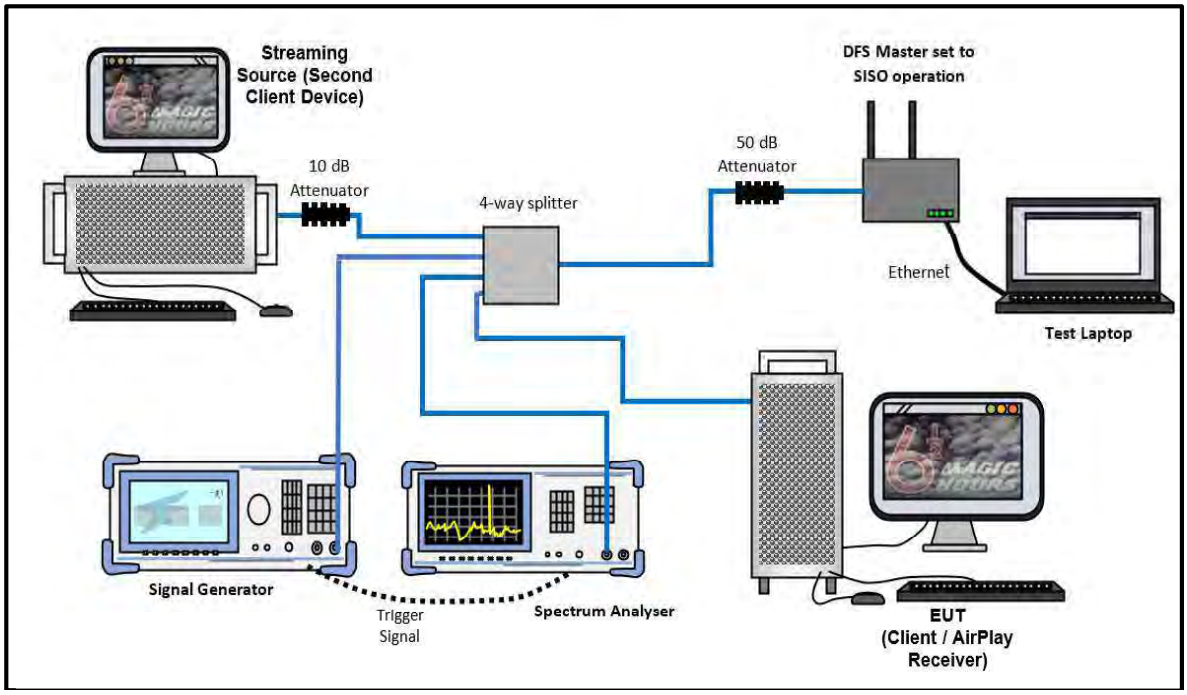

Figure 584 - Test Equipment Setup Diagram for Client without Radar Detection with Injection at the Master

Figure 585 - Verification of Radar Type 0

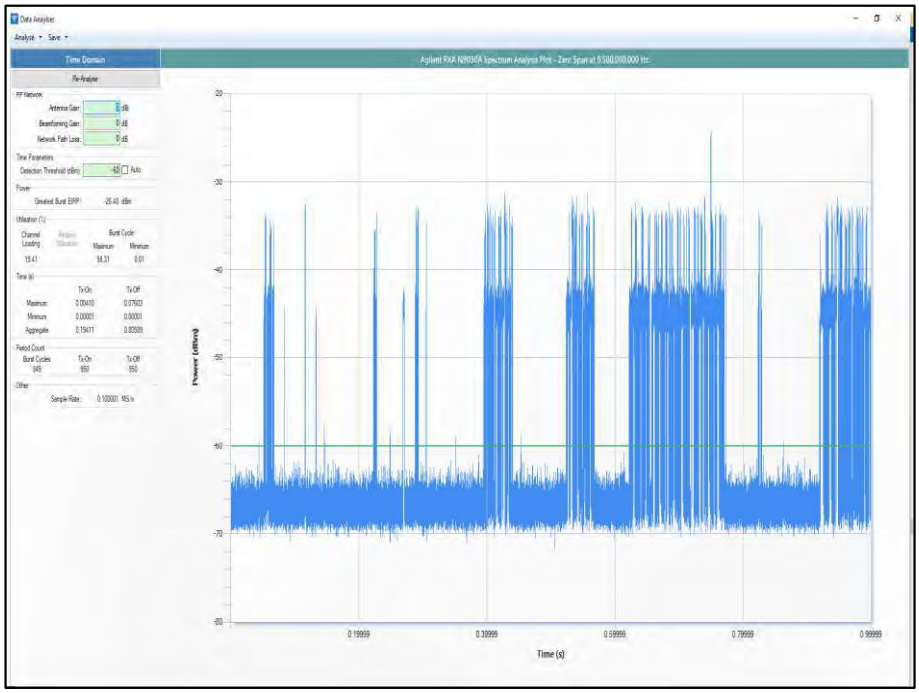

Figure 586 - Channel Loading

The channel loading was 41.13%