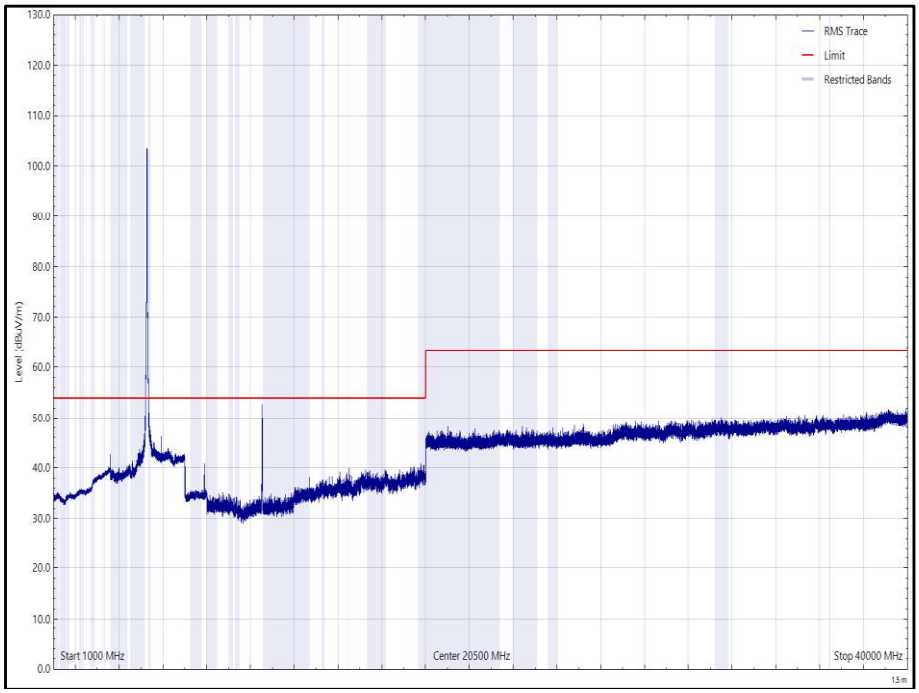

Figure 307 - 802.11a - 6 Mbps, 5260 MHz, 1 GHz to 40 GHz, Vertical (rms)

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Unit	Angle (°)	Height (cm)	Polarisation
4630.028	44.7	54.0	-9.3	RMS	dBuV/m	75	150	Horizontal
4972.345	43.5	54.0	-10.5	RMS	dBuV/m	335	150	Vertical
10600.928	48.3	54.0	-5.7	RMS	dBuV/m	162	122	Horizontal
10603.469	49.3	54.0	-4.6	RMS	dBuV/m	161	100	Vertical

Table 202 - 802.11a - 6 Mbps, 5300 MHz, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

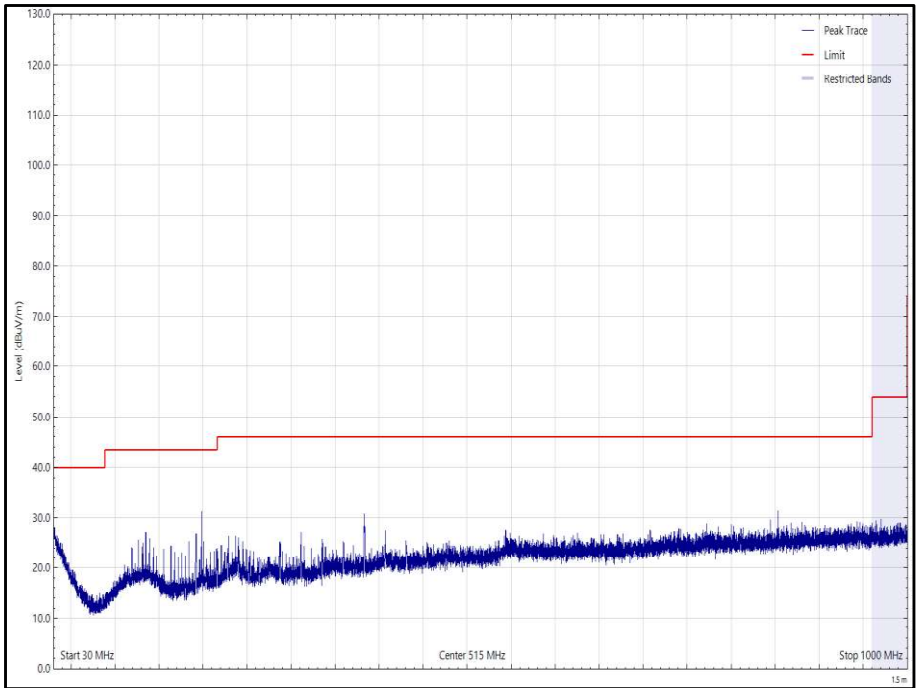

Figure 308 - 802.11a - 6 Mbps, 5300 MHz, 30 MHz to 1 GHz, Horizontal (Peak)

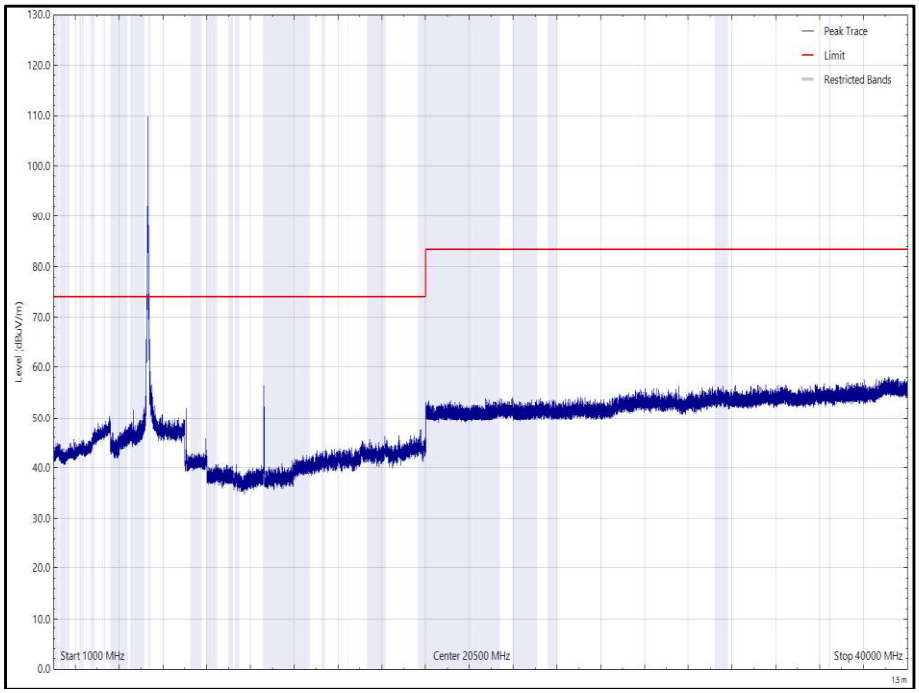

Figure 309 - 802.11a - 6 Mbps, 5300 MHz, 1 GHz to 40 GHz, Horizontal (Peak)

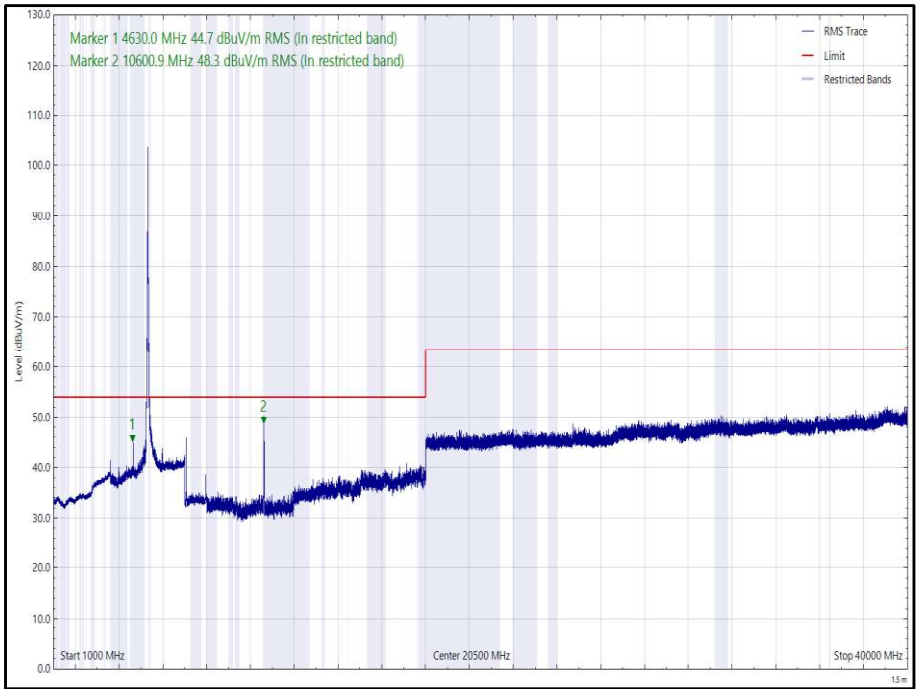

Figure 310 - 802.11a - 6 Mbps, 5300 MHz, 1 GHz to 40 GHz, Horizontal (rms)

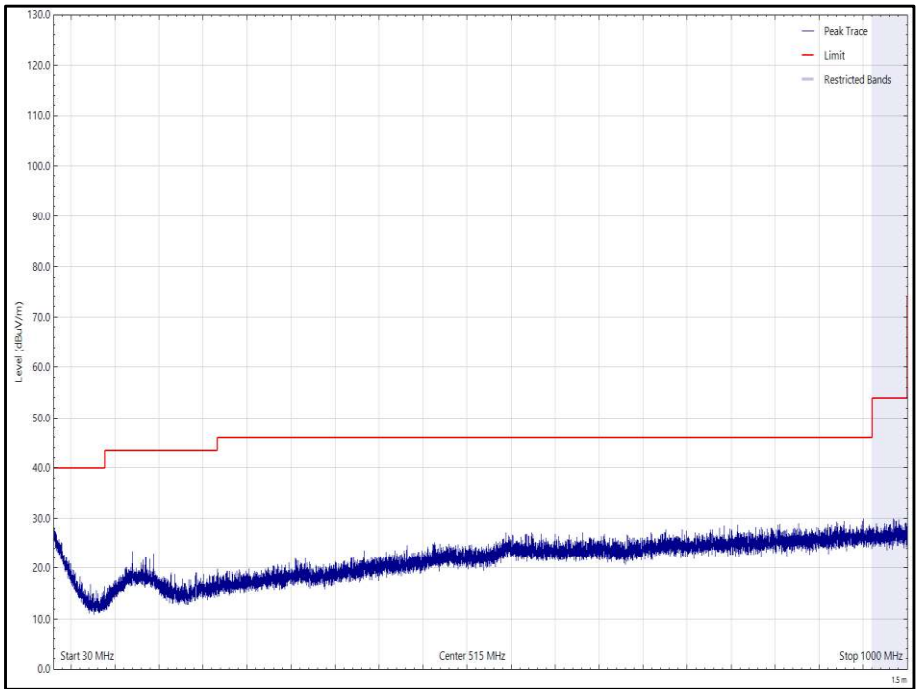

Figure 311 - 802.11a - 6 Mbps, 5300 MHz, 30 MHz to 1 GHz, Vertical (Peak)

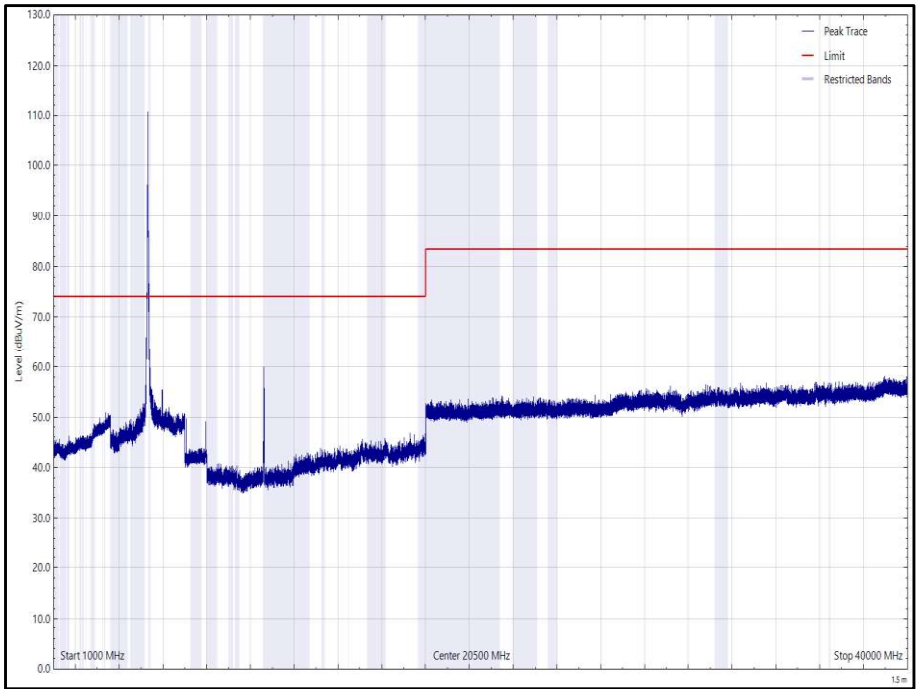

Figure 312 - 802.11a - 6 Mbps, 5300 MHz, 1 GHz to 40 GHz, Vertical (Peak)

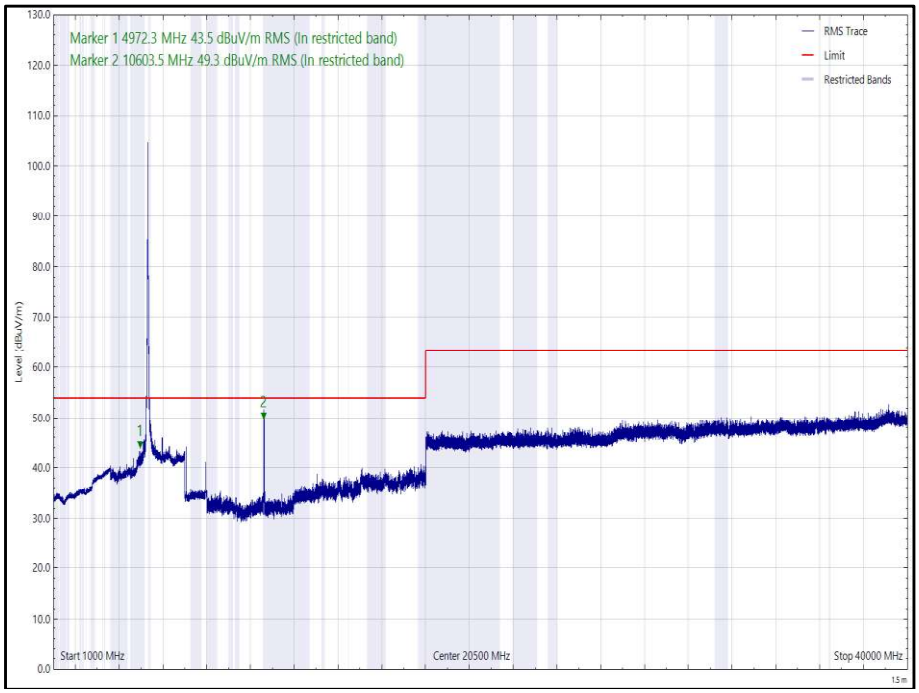

Figure 313 - 802.11a - 6 Mbps, 5300 MHz, 1 GHz to 40 GHz, Vertical (rms)

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Unit	Angle (°)	Height (cm)	Polarisation
4647.664	43.3	54.0	-10.7	RMS	dBuV/m	82	150	Horizontal
4990.840	44.0	54.0	-9.9	RMS	dBuV/m	336	346	Vertical
10638.811	62.7	74.0	-11.2	Peak	dBuV/m	163	100	Vertical
10641.943	51.5	54.0	-2.5	RMS	dBuV/m	160	100	Vertical
10642.041	50.3	54.0	-3.7	RMS	dBuV/m	164	118	Horizontal

Table 203 - 802.11a - 6 Mbps, 5320 MHz, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

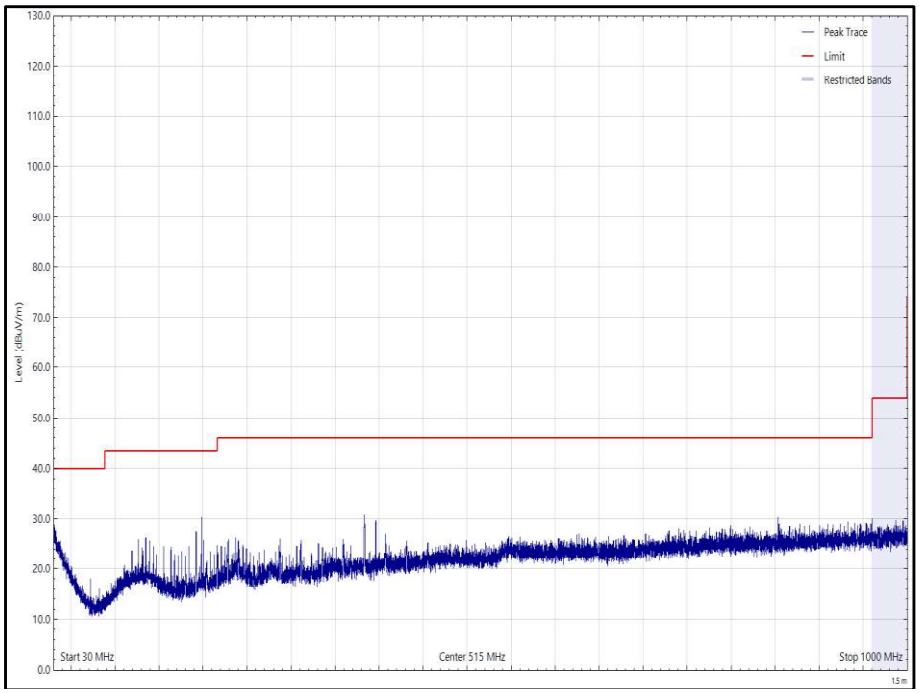

Figure 314 - 802.11a - 6 Mbps, 5320 MHz, 30 MHz to 1 GHz, Horizontal (Peak)

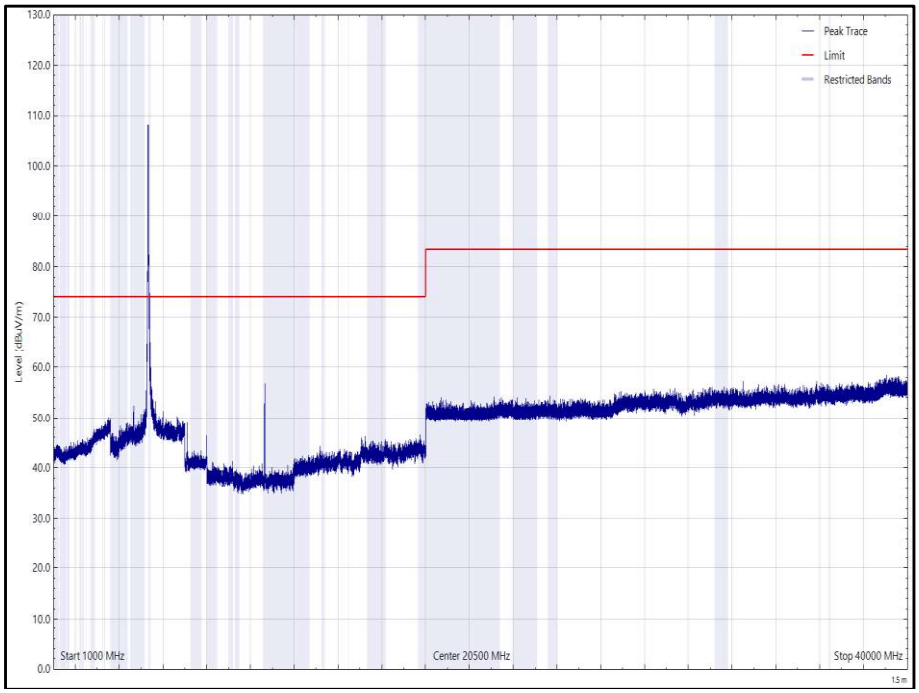

Figure 315 - 802.11a - 6 Mbps, 5320 MHz, 1 GHz to 40 GHz, Horizontal (Peak)

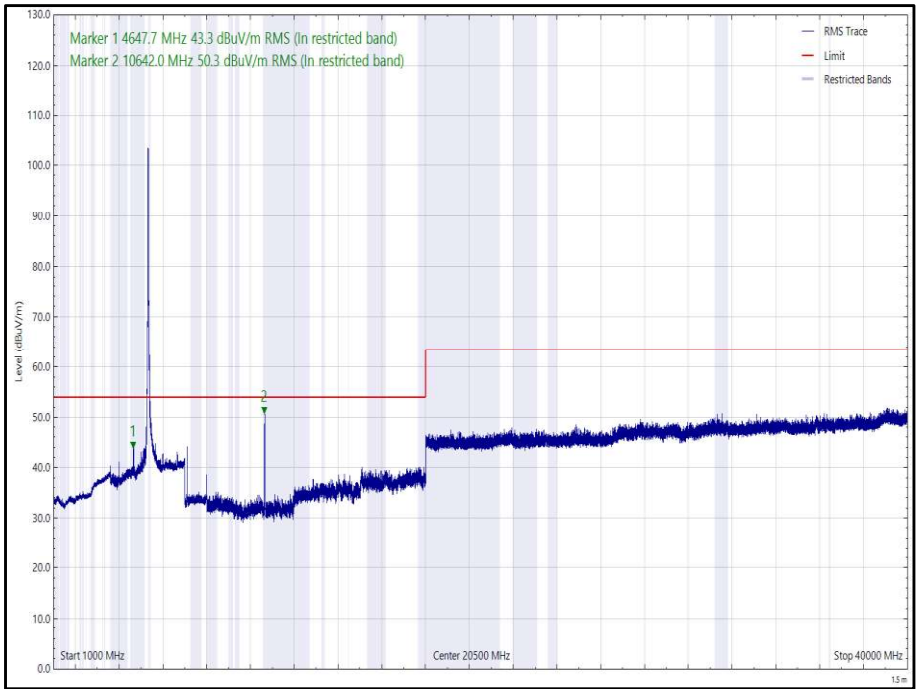

Figure 316 - 802.11a - 6 Mbps, 5320 MHz, 1 GHz to 40 GHz, Horizontal (rms)

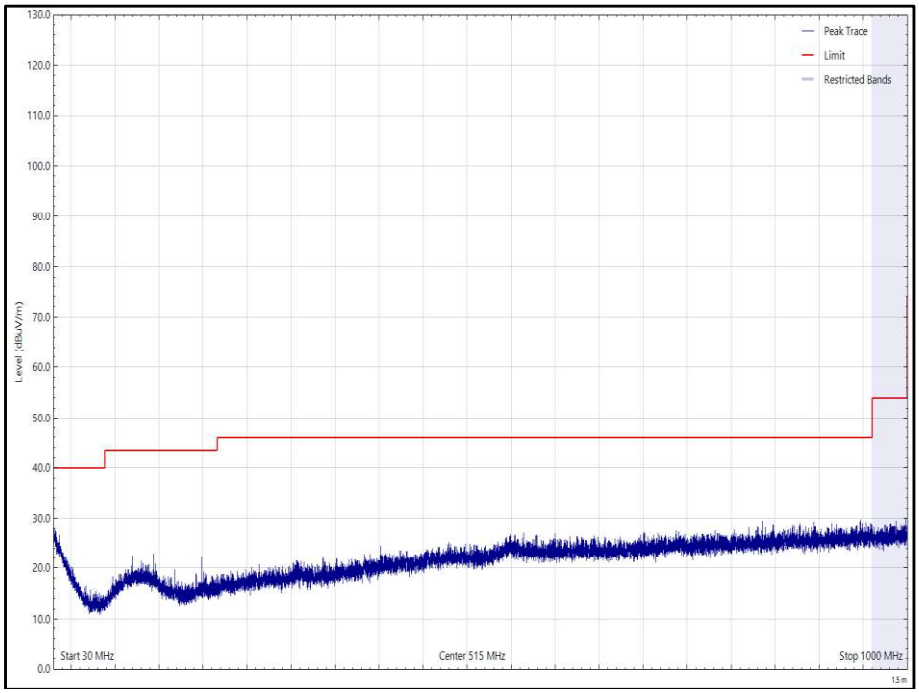

Figure 317 - 802.11a - 6 Mbps, 5320 MHz, 30 MHz to 1 GHz, Vertical (Peak)

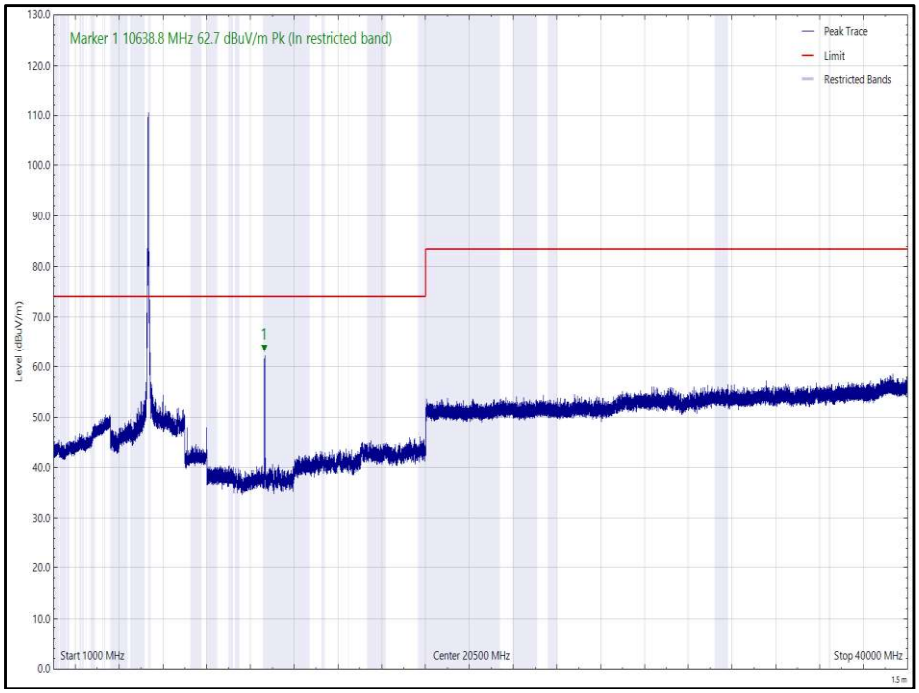

Figure 318 - 802.11a - 6 Mbps, 5320 MHz, 1 GHz to 40 GHz, Vertical (Peak)

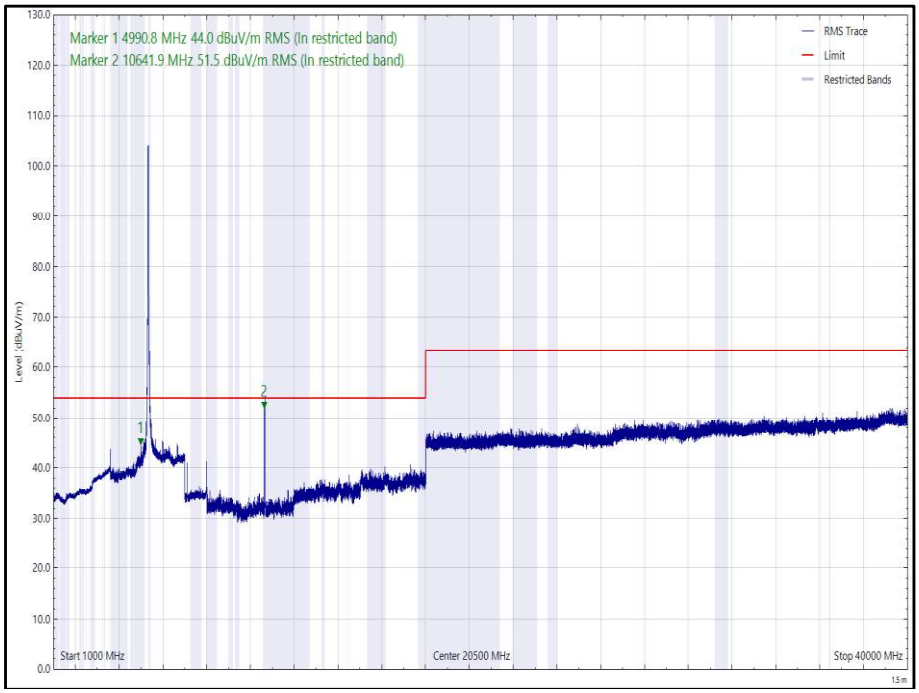

Figure 319 - 802.11a - 6 Mbps, 5320 MHz, 1 GHz to 40 GHz, Vertical (rms)

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Unit	Angle (°)	Height (cm)	Polarisation
10998.409	44.2	54.0	-9.8	RMS	dBuV/m	155	136	Horizontal
10998.849	47.9	54.0	-6.1	RMS	dBuV/m	163	113	Vertical

Table 204 - 802.11a - 6 Mbps, 5500 MHz, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

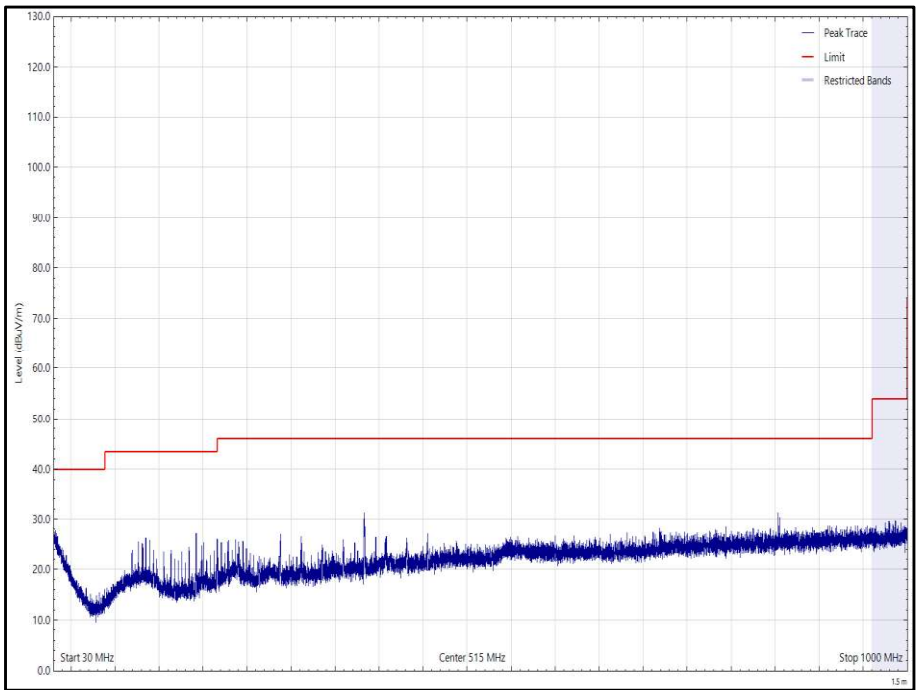

Figure 320 - 802.11a - 6 Mbps, 5500 MHz, 30 MHz to 1 GHz, Horizontal (Peak)

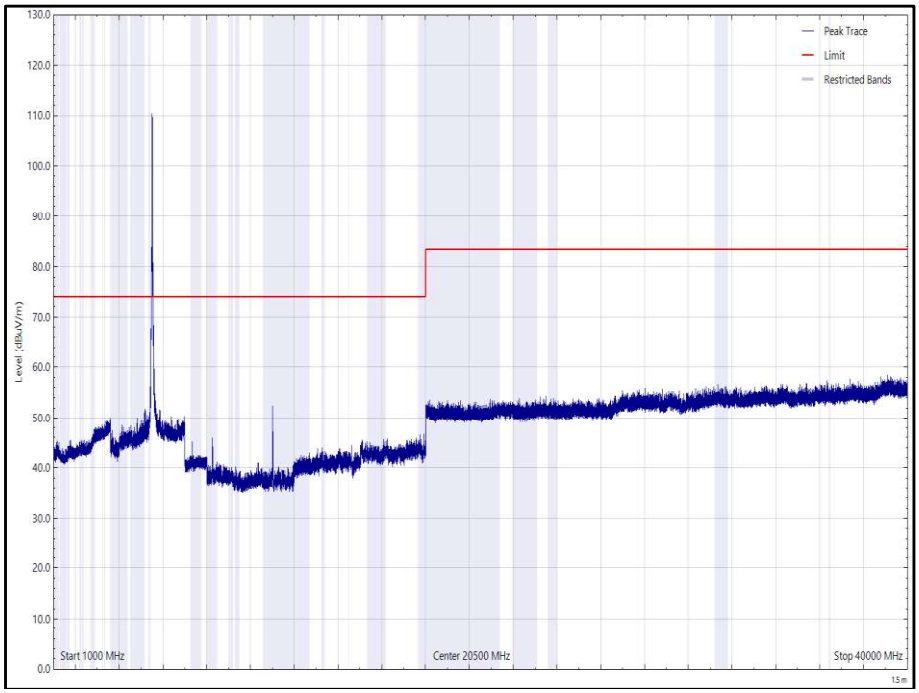

Figure 321 - 802.11a - 6 Mbps, 5500 MHz, 1 GHz to 40 GHz, Horizontal (Peak)

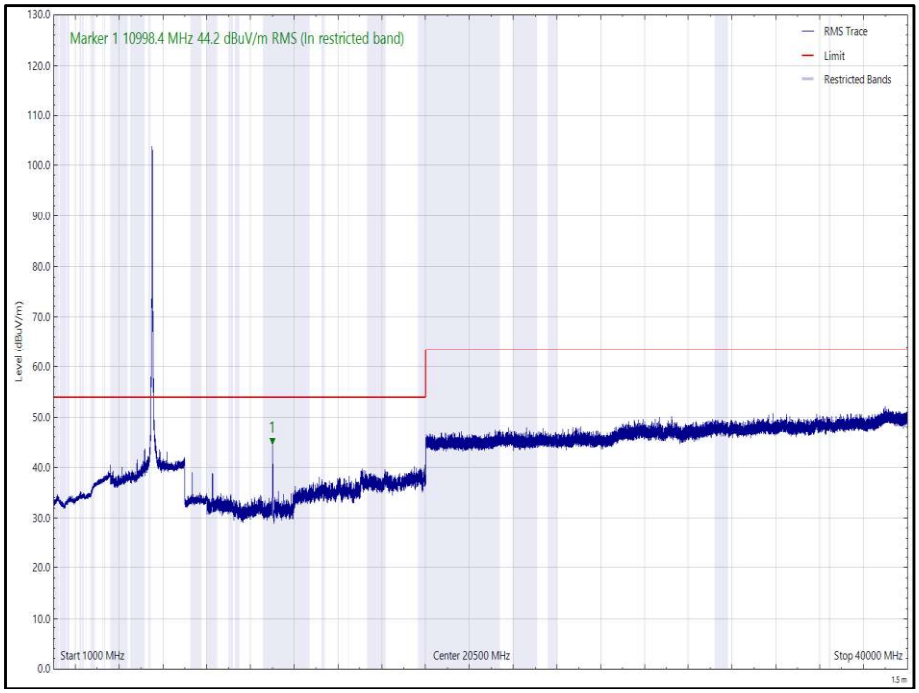

Figure 322 - 802.11a - 6 Mbps, 5500 MHz, 1 GHz to 40 GHz, Horizontal (rms)

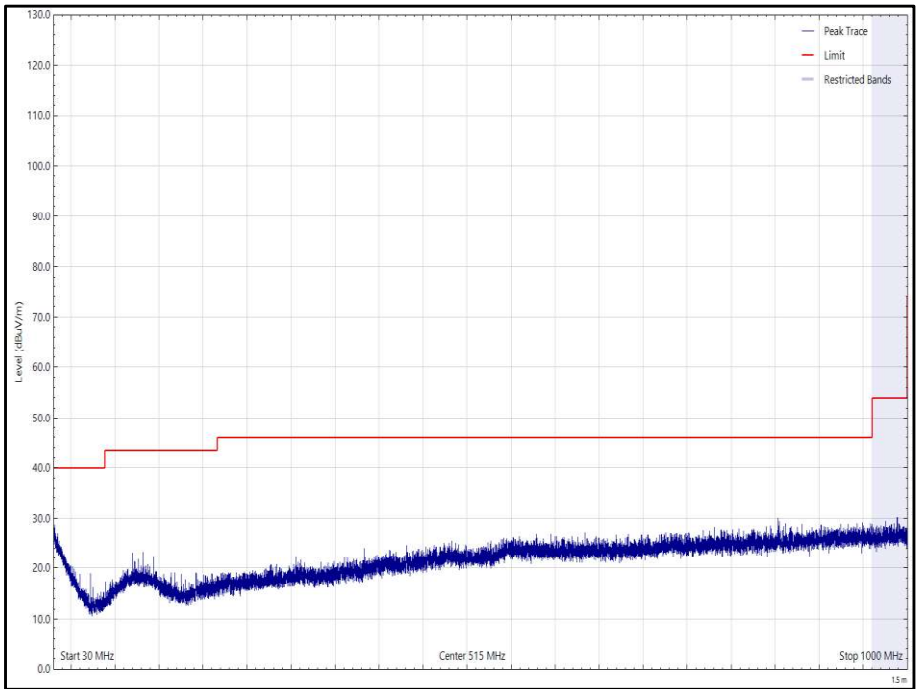

Figure 323 - 802.11a - 6 Mbps, 5500 MHz, 30 MHz to 1 GHz, Vertical (Peak)

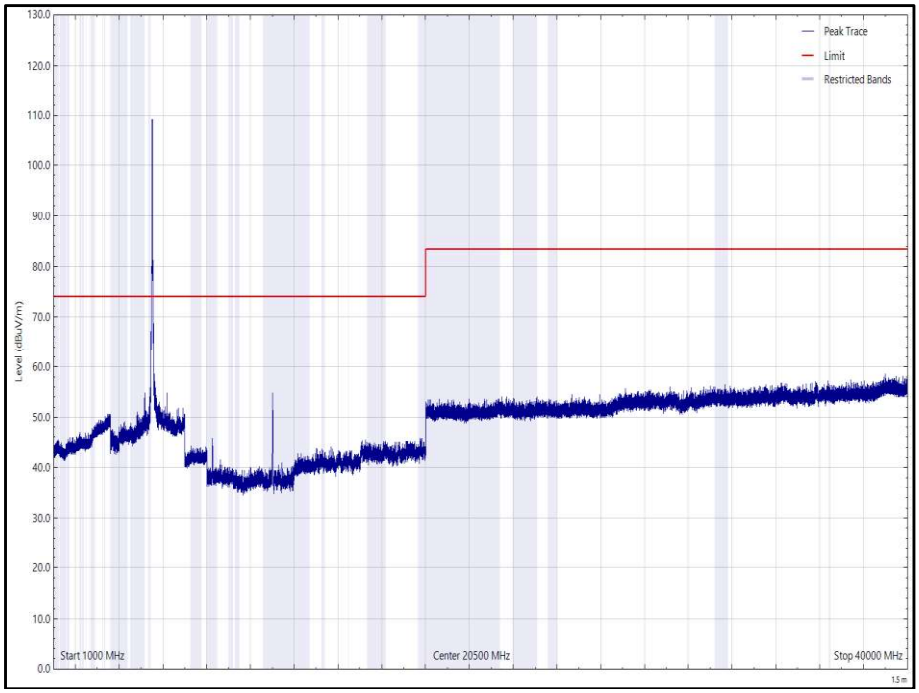

Figure 324 - 802.11a - 6 Mbps, 5500 MHz, 1 GHz to 40 GHz, Vertical (Peak)

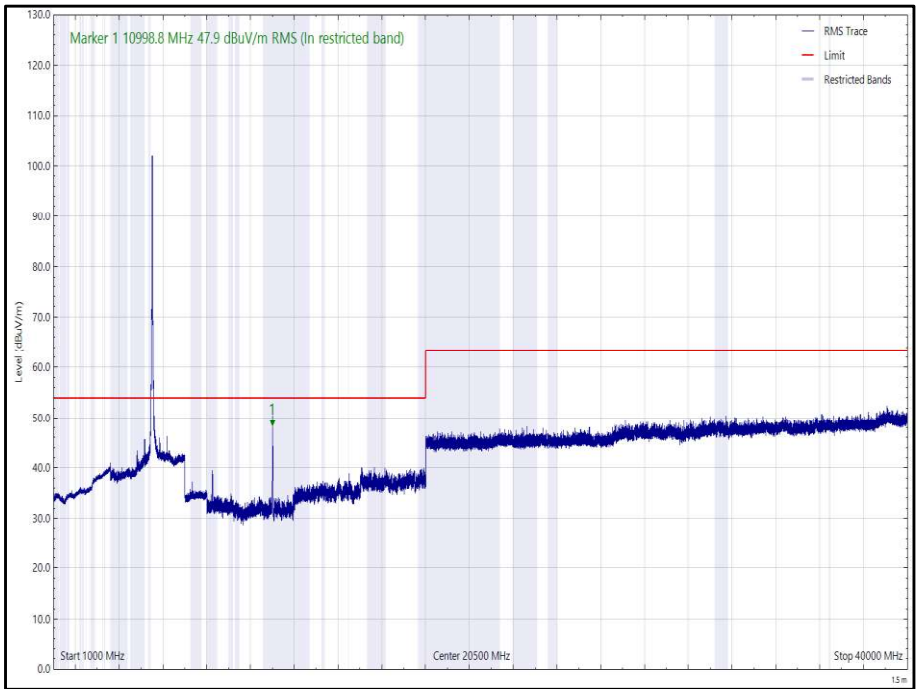

Figure 325 - 802.11a - 6 Mbps, 5500 MHz, 1 GHz to 40 GHz, Vertical (rms)

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Unit	Angle (°)	Height (cm)	Polarisation
4903.265	44.8	54.0	-9.2	RMS	dBuV/m	345	150	Vertical
7466.615	44.6	54.0	-9.4	RMS	dBuV/m	326	200	Horizontal
11201.713	48.1	54.0	-5.9	RMS	dBuV/m	197	100	Vertical
11201.910	43.3	54.0	-10.7	RMS	dBuV/m	208	100	Horizontal

Table 205 - 802.11a - 6 Mbps, 5600 MHz, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

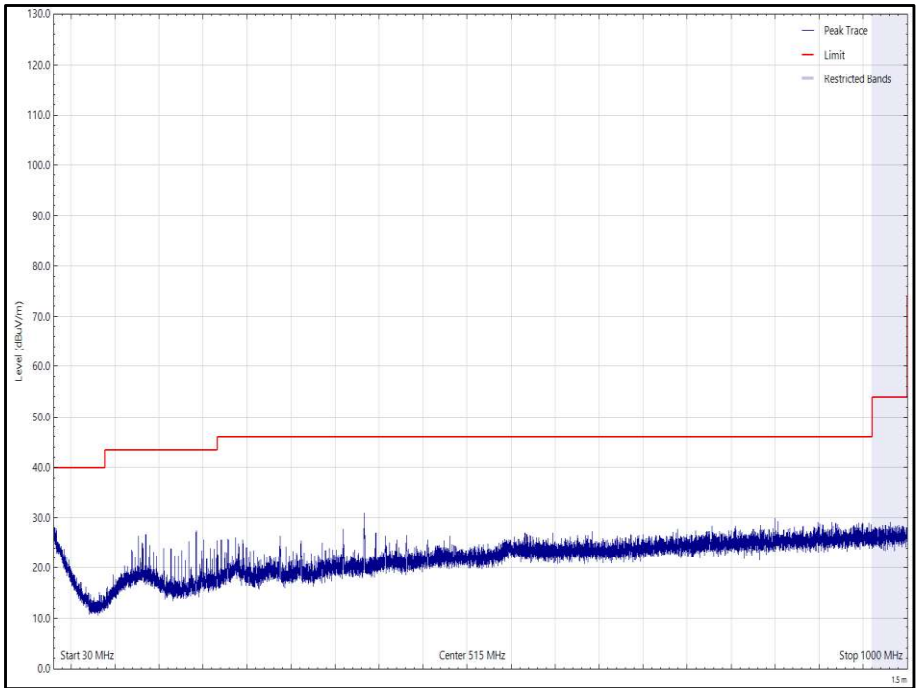

Figure 326 - 802.11a - 6 Mbps, 5600 MHz, 30 MHz to 1 GHz, Horizontal (Peak)

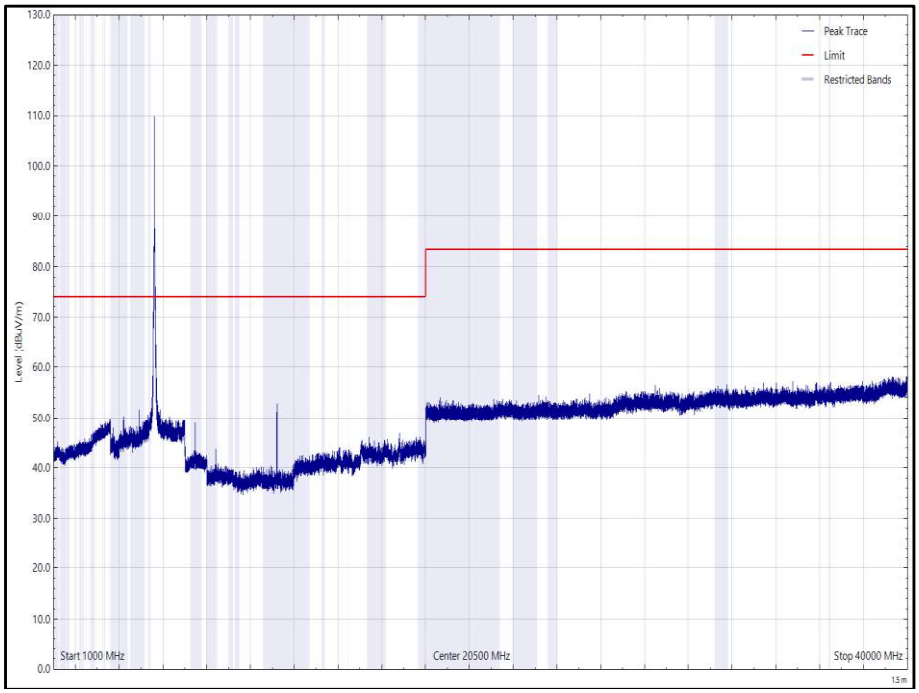

Figure 327 - 802.11a - 6 Mbps, 5600 MHz, 1 GHz to 40 GHz, Horizontal (Peak)

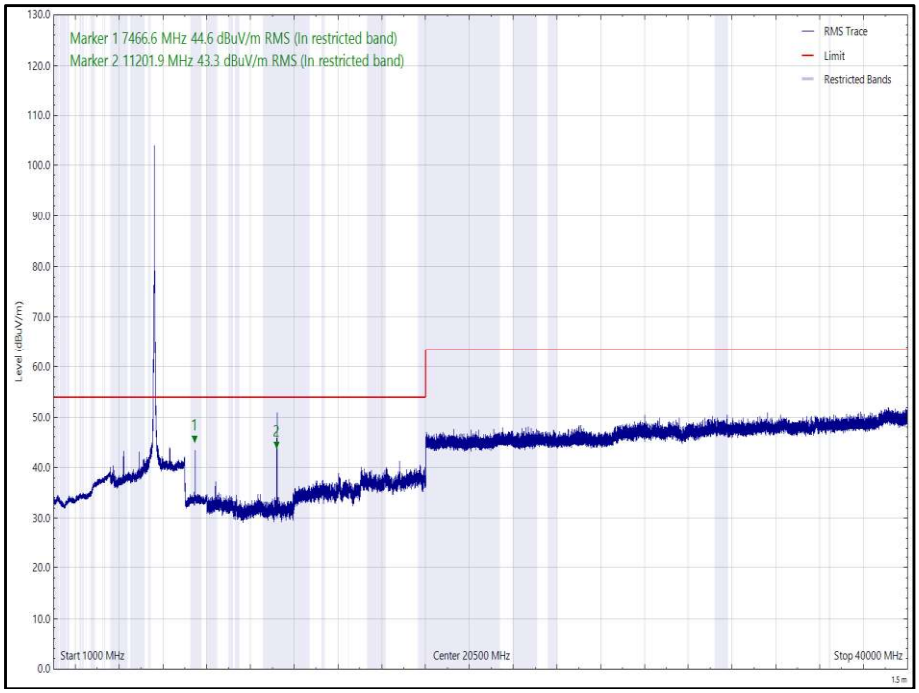

Figure 328 - 802.11a - 6 Mbps, 5600 MHz, 1 GHz to 40 GHz, Horizontal (rms)

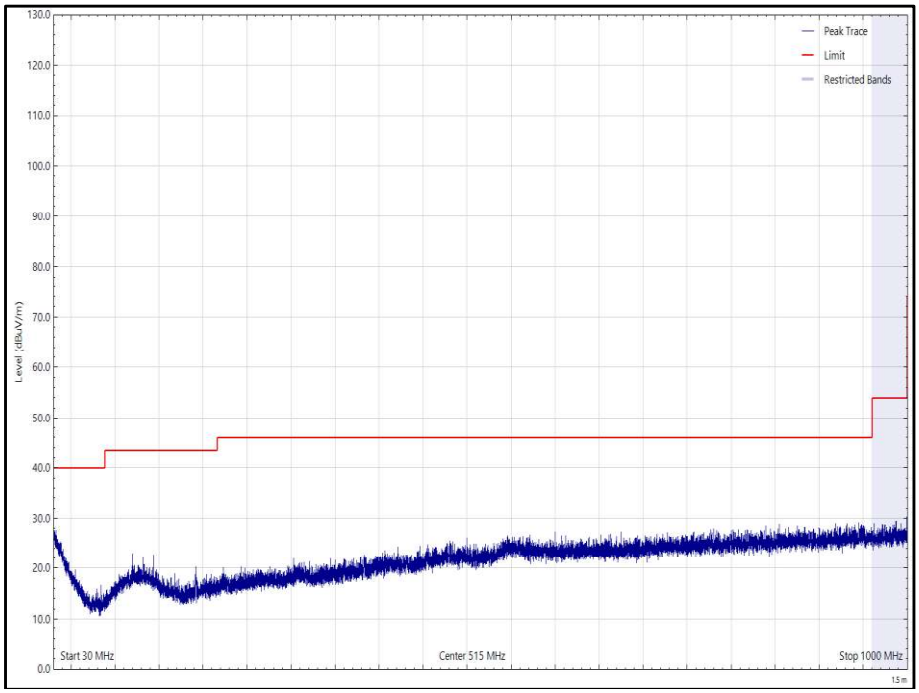

Figure 329 - 802.11a - 6 Mbps, 5600 MHz, 30 MHz to 1 GHz, Vertical (Peak)

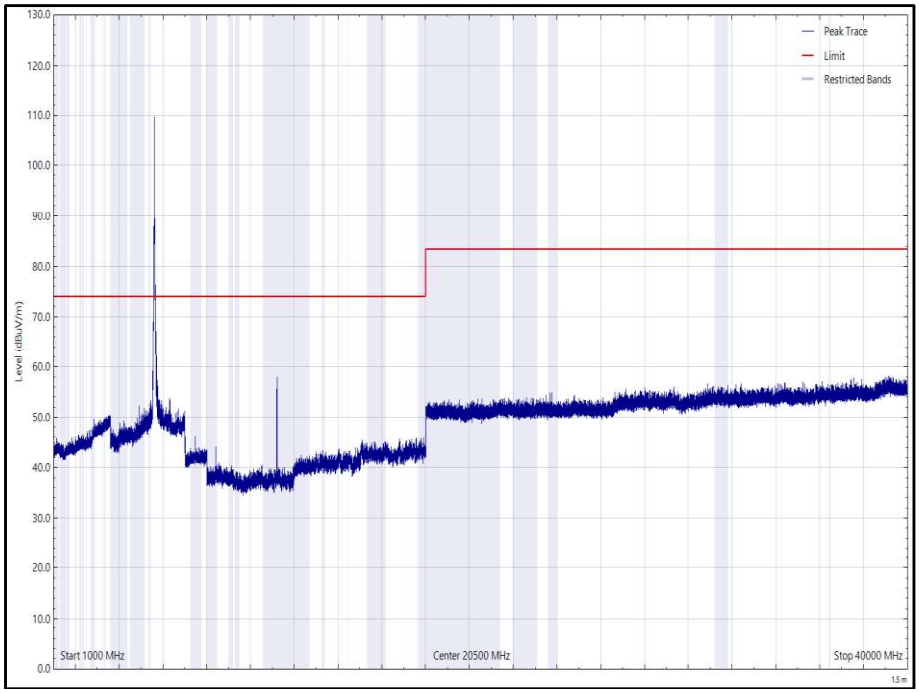

Figure 330 - 802.11a - 6 Mbps, 5600 MHz, 1 GHz to 40 GHz, Vertical (Peak)

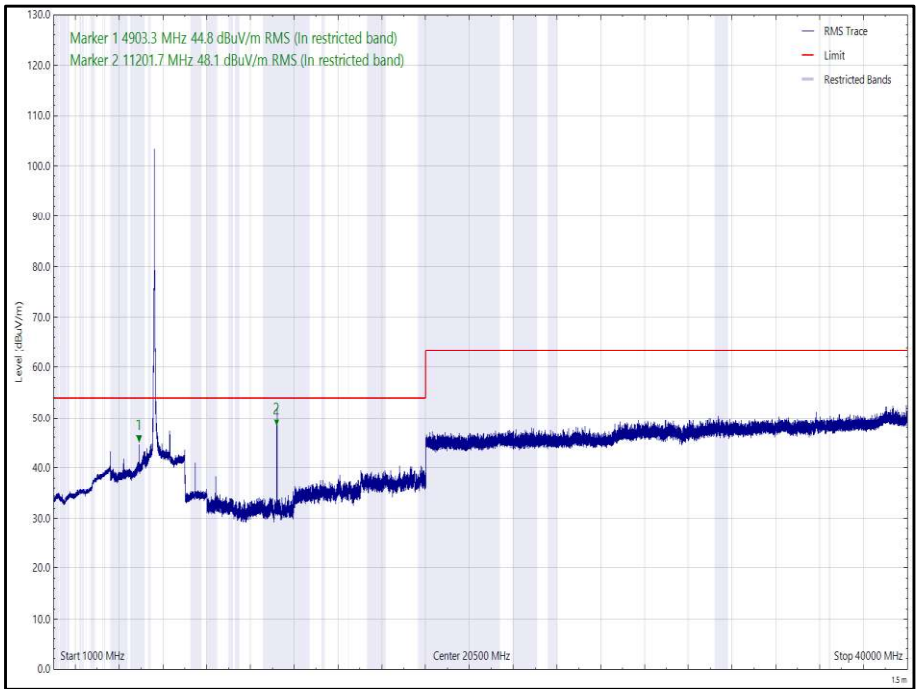

Figure 331 - 802.11a - 6 Mbps, 5600 MHz, 1 GHz to 40 GHz, Vertical (rms)

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Unit	Angle (°)	Height (cm)	Polarisation
4982.069	42.9	54.0	-11.1	RMS	dBuV/m	341	254	Horizontal
4985.130	44.7	54.0	-9.3	RMS	dBuV/m	24	393	Vertical
5351.995	45.2	54.0	-8.8	RMS	dBuV/m	341	219	Vertical
5455.000	44.3	54.0	-9.7	RMS	dBuV/m	350	100	Horizontal
11403.376	42.1	54.0	-11.9	RMS	dBuV/m	161	100	Vertical

Table 206 - 802.11a - 6 Mbps, 5700 MHz, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

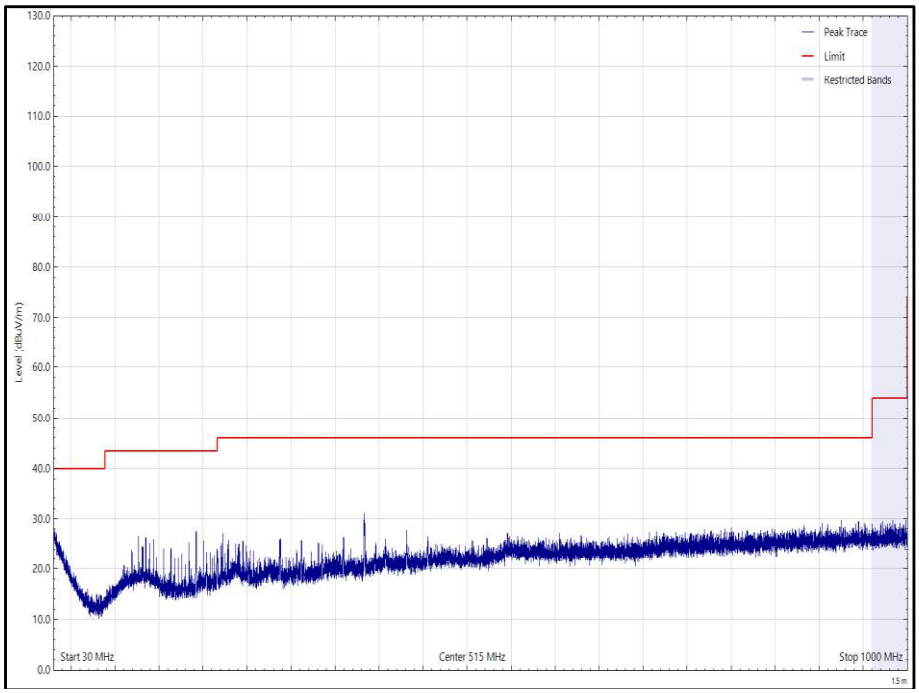

Figure 332 - 802.11a - 6 Mbps, 5700 MHz, 30 MHz to 1 GHz, Horizontal (Peak)

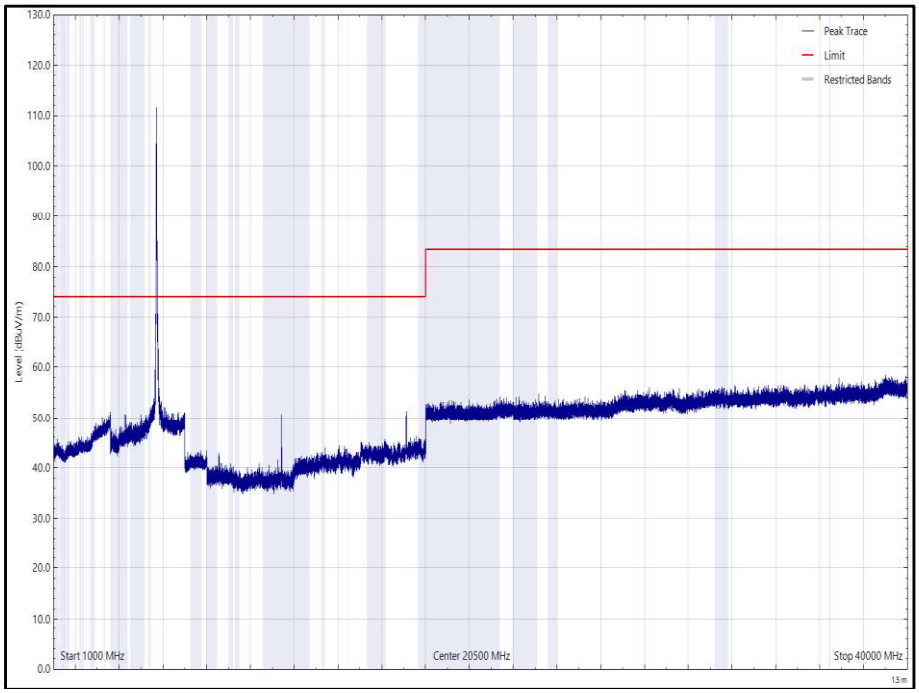

Figure 333 - 802.11a - 6 Mbps, 5700 MHz, 1 GHz to 40 GHz, Horizontal (Peak)

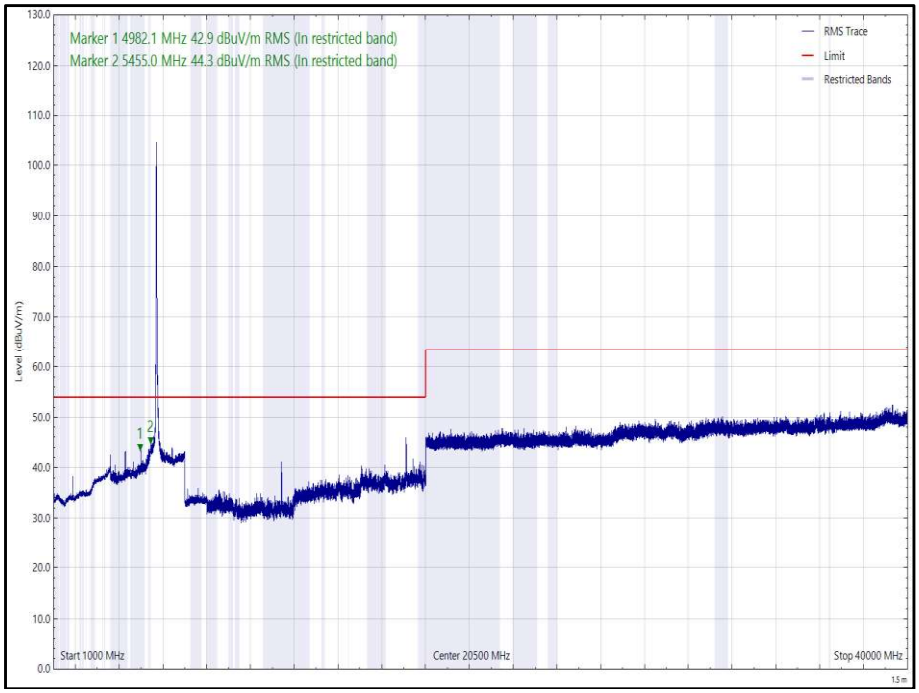

Figure 334 - 802.11a - 6 Mbps, 5700 MHz, 1 GHz to 40 GHz, Horizontal (rms)

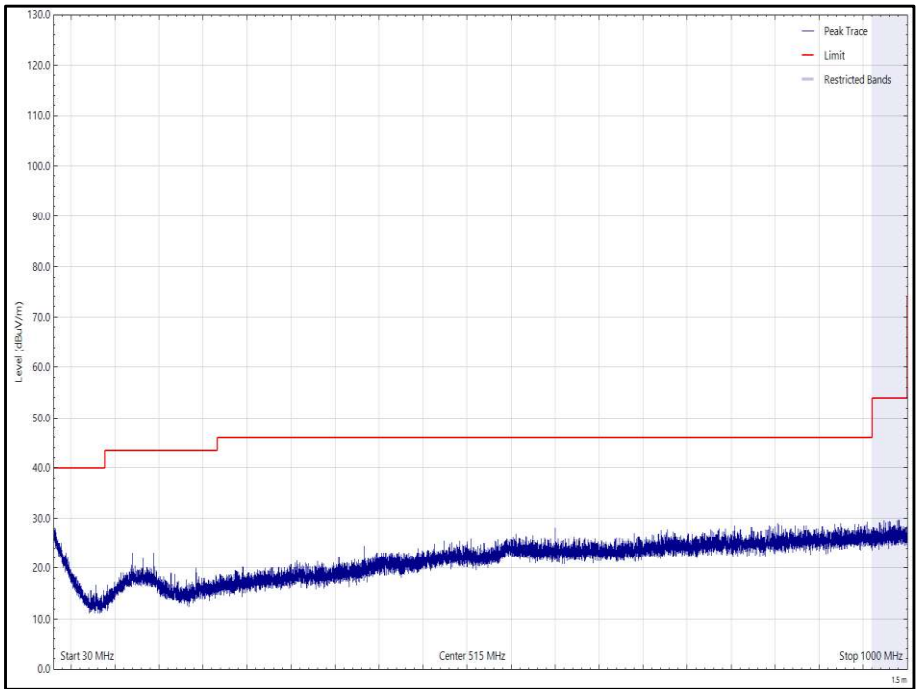

Figure 335 - 802.11a - 6 Mbps, 5700 MHz, 30 MHz to 1 GHz, Vertical (Peak)

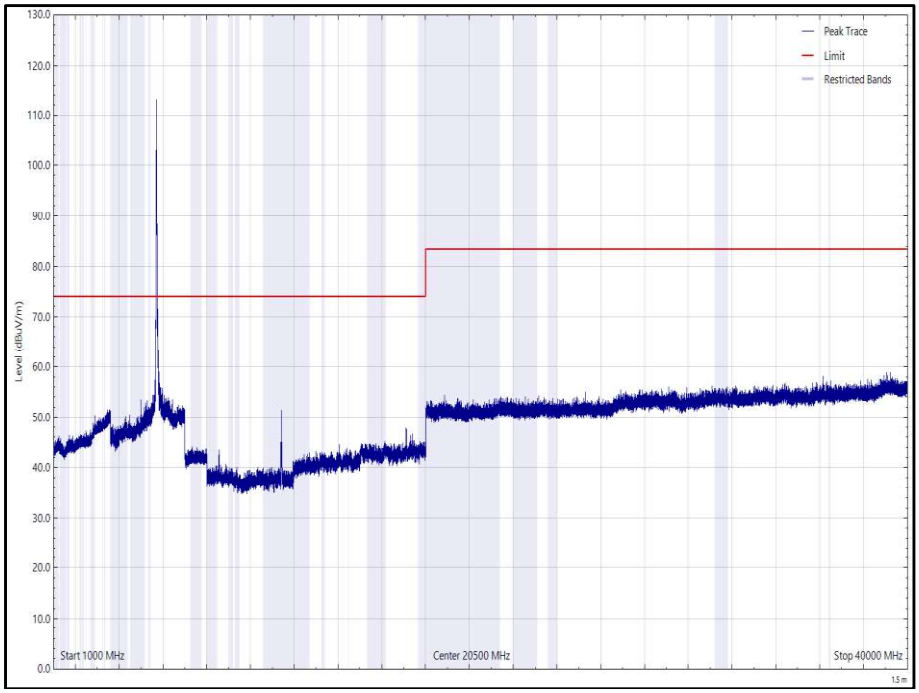

Figure 336 - 802.11a - 6 Mbps, 5700 MHz, 1 GHz to 40 GHz, Vertical (Peak)

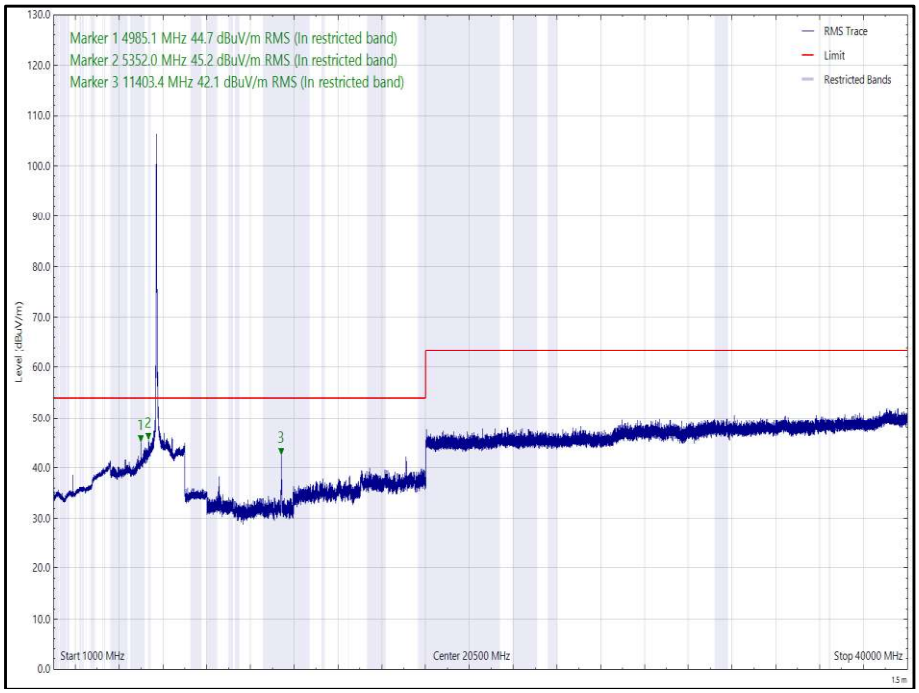

Figure 337 - 802.11a - 6 Mbps, 5700 MHz, 1 GHz to 40 GHz, Vertical (rms)

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Unit	Angle (°)	Height (cm)	Polarisation
3577.675	40.1	54.0	-13.9	RMS	dBuV/m	53	126	Vertical
5031.890	43.3	54.0	-10.7	RMS	dBuV/m	332	165	Vertical
5378.970	45.3	54.0	-8.7	RMS	dBuV/m	353	199	Vertical
11491.843	41.8	54.0	-12.2	RMS	dBuV/m	174	100	Horizontal
11494.233	46.5	54.0	-7.5	RMS	dBuV/m	169	147	Vertical

Table 207 - 802.11a - 6 Mbps, 5745 MHz, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

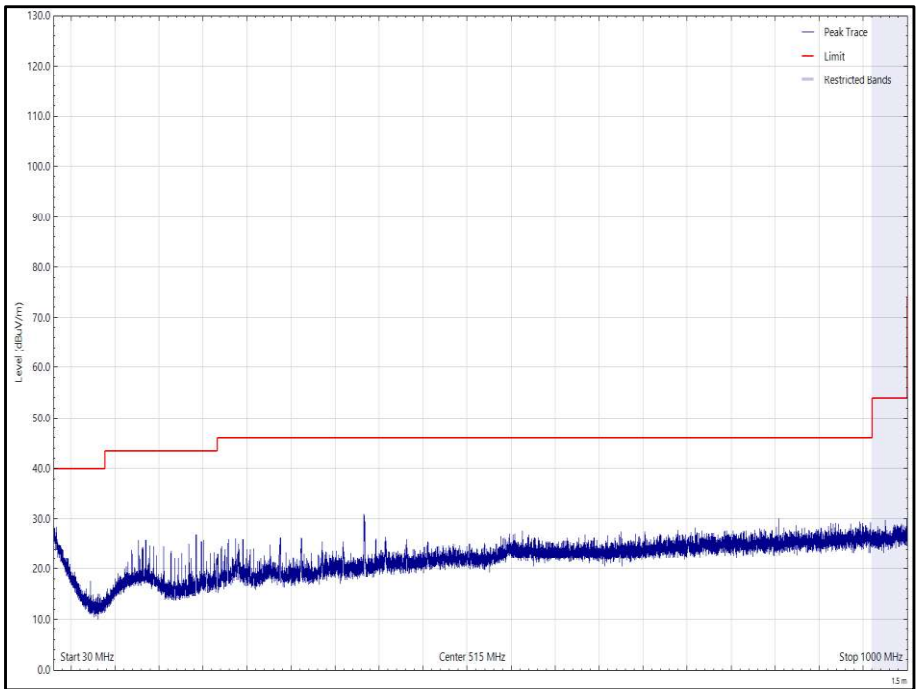

Figure 338 - 802.11a - 6 Mbps, 5745 MHz, 30 MHz to 1 GHz, Horizontal (Peak)

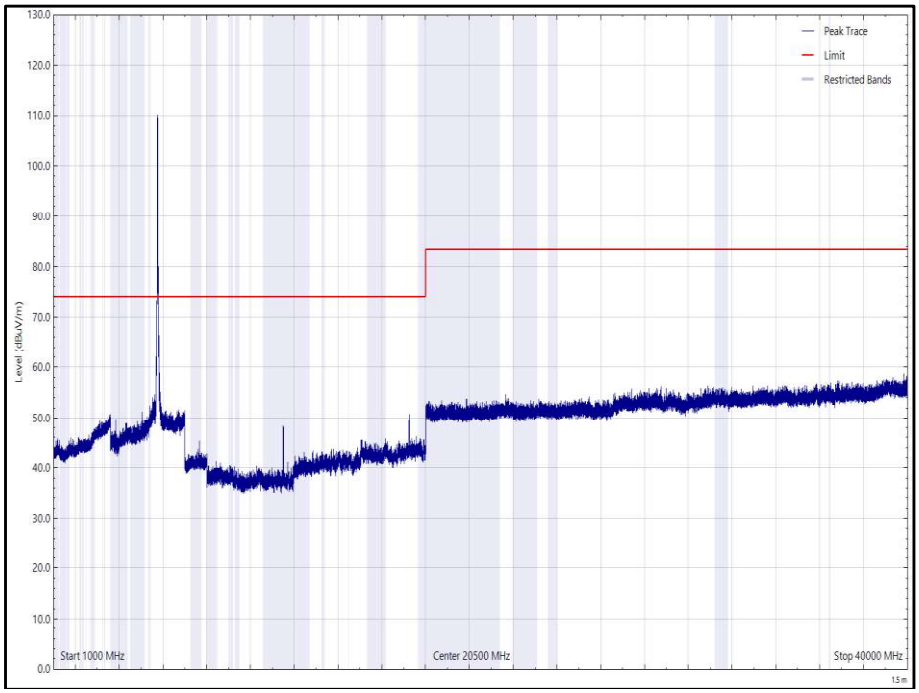

Figure 339 - 802.11a - 6 Mbps, 5745 MHz, 1 GHz to 40 GHz, Horizontal (Peak)

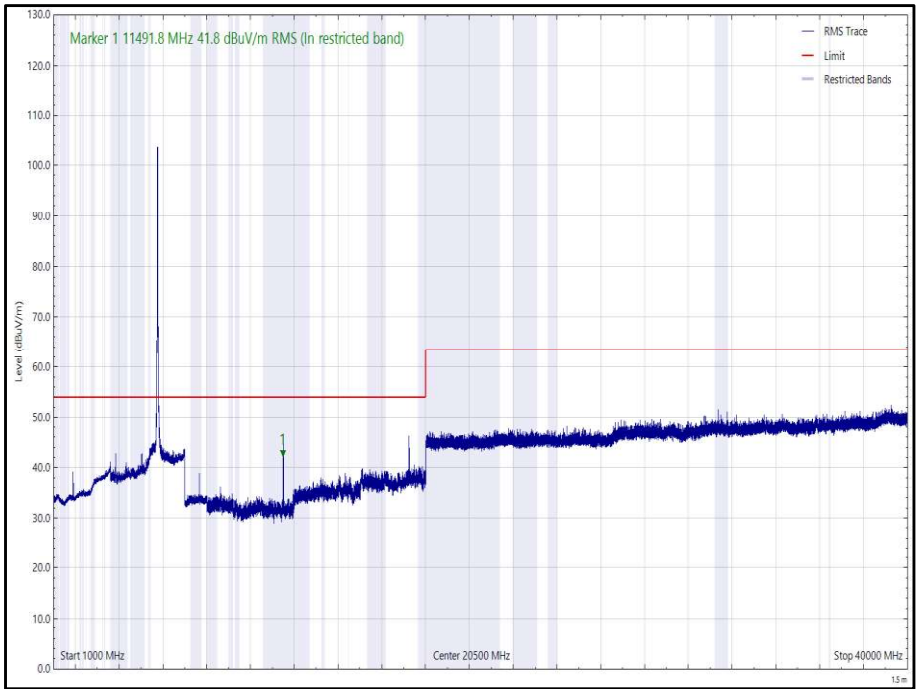

Figure 340 - 802.11a - 6 Mbps, 5745 MHz, 1 GHz to 40 GHz, Horizontal (rms)

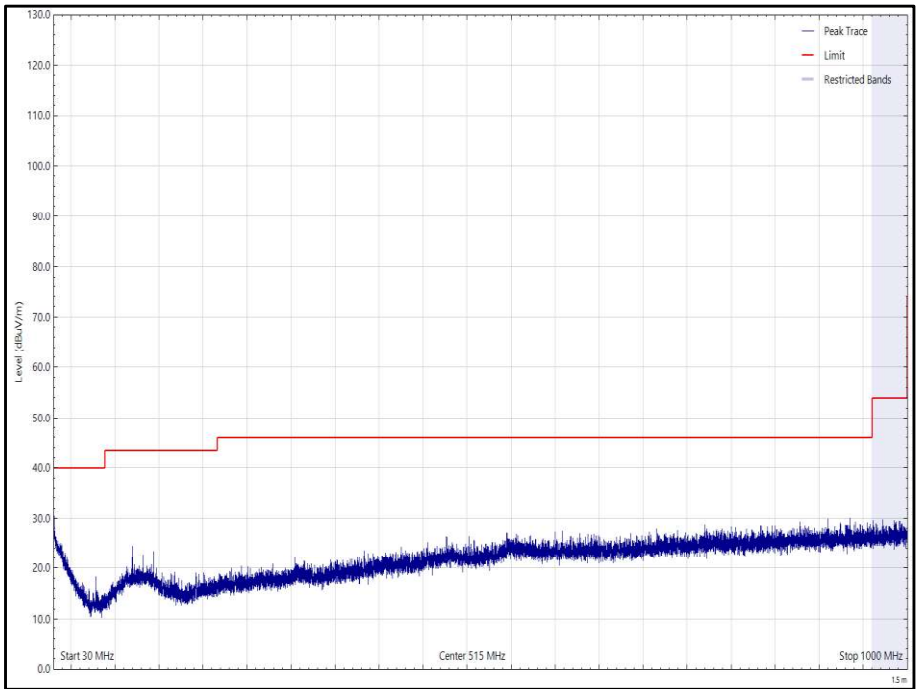

Figure 341 - 802.11a - 6 Mbps, 5745 MHz, 30 MHz to 1 GHz, Vertical (Peak)

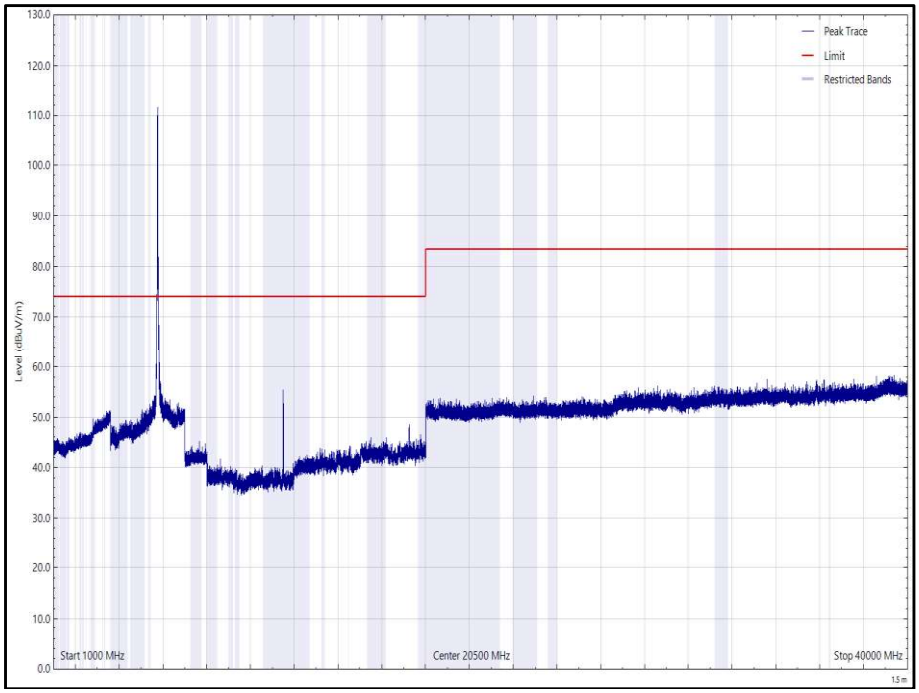

Figure 342 - 802.11a - 6 Mbps, 5745 MHz, 1 GHz to 40 GHz, Vertical (Peak)

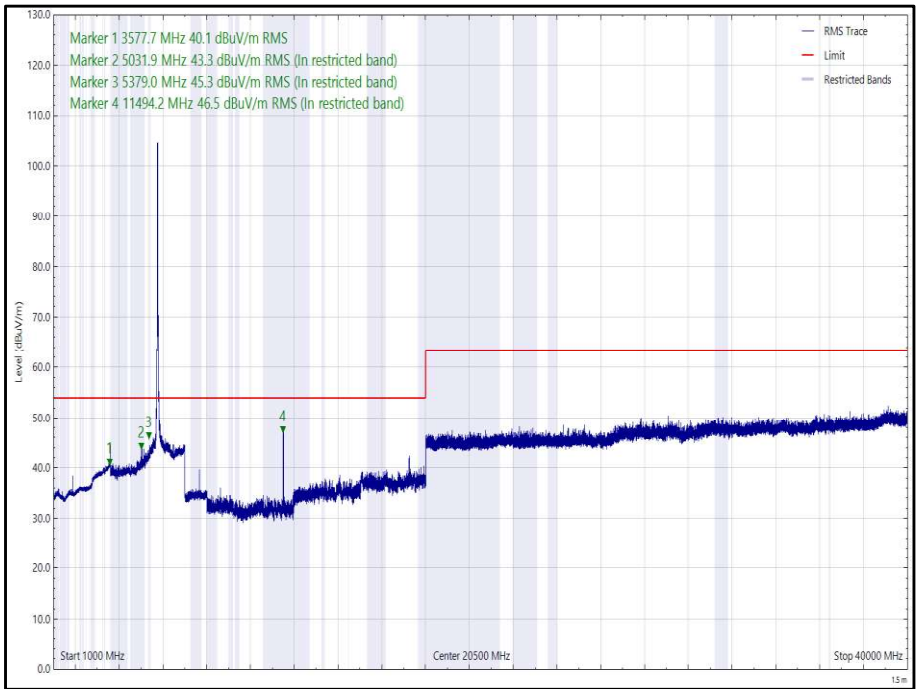

Figure 343 - 802.11a - 6 Mbps, 5745 MHz, 1 GHz to 40 GHz, Vertical (rms)

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Unit	Angle (°)	Height (cm)	Polarisation
3856.705	43.8	54.0	-10.2	RMS	dBuV/m	0	142	Horizontal
5426.390	45.9	54.0	-8.1	RMS	dBuV/m	360	152	Horizontal
5426.795	45.0	54.0	-9.0	RMS	dBuV/m	281	100	Vertical
11607.833	47.7	54.0	-6.3	RMS	dBuV/m	172	134	Vertical

Table 208 - 802.11a - 6 Mbps, 5785 MHz, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

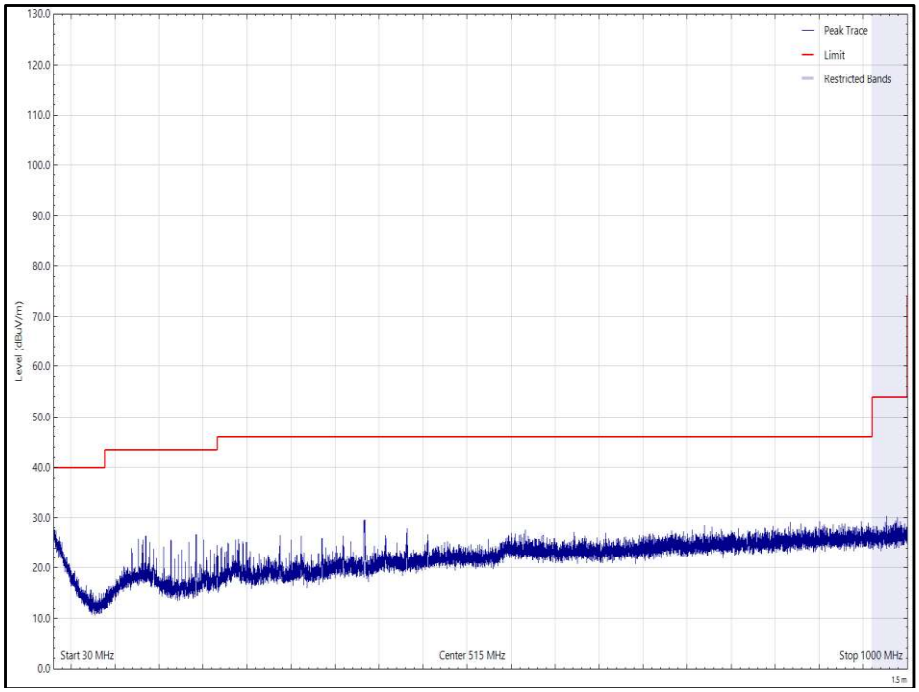

Figure 344 - 802.11a - 6 Mbps, 5785 MHz, 30 MHz to 1 GHz, Horizontal (Peak)

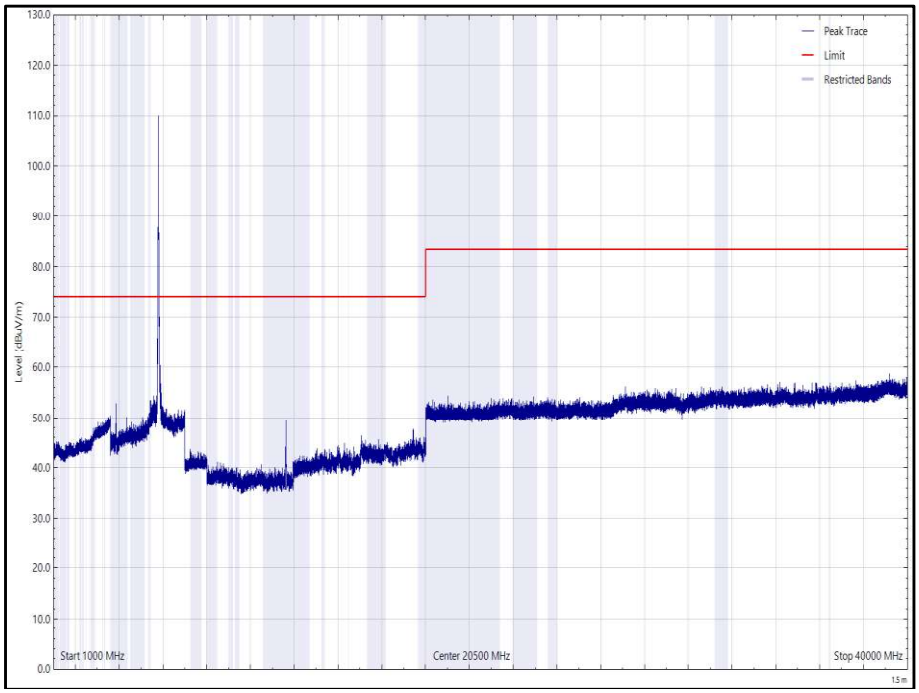

Figure 345 - 802.11a - 6 Mbps, 5785 MHz, 1 GHz to 40 GHz, Horizontal (Peak)

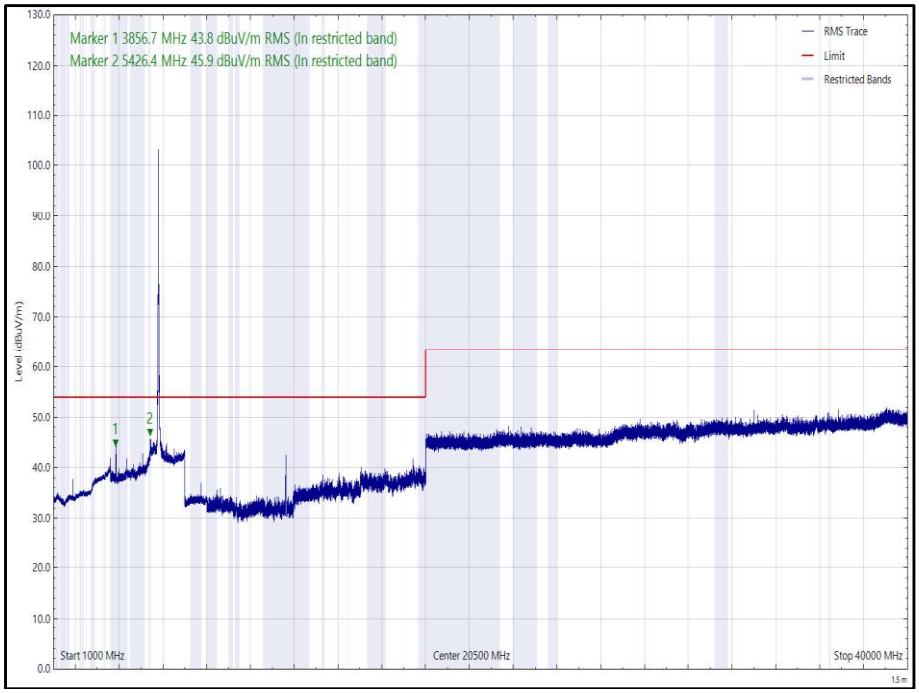

Figure 346 - 802.11a - 6 Mbps, 5785 MHz, 1 GHz to 40 GHz, Horizontal (rms)

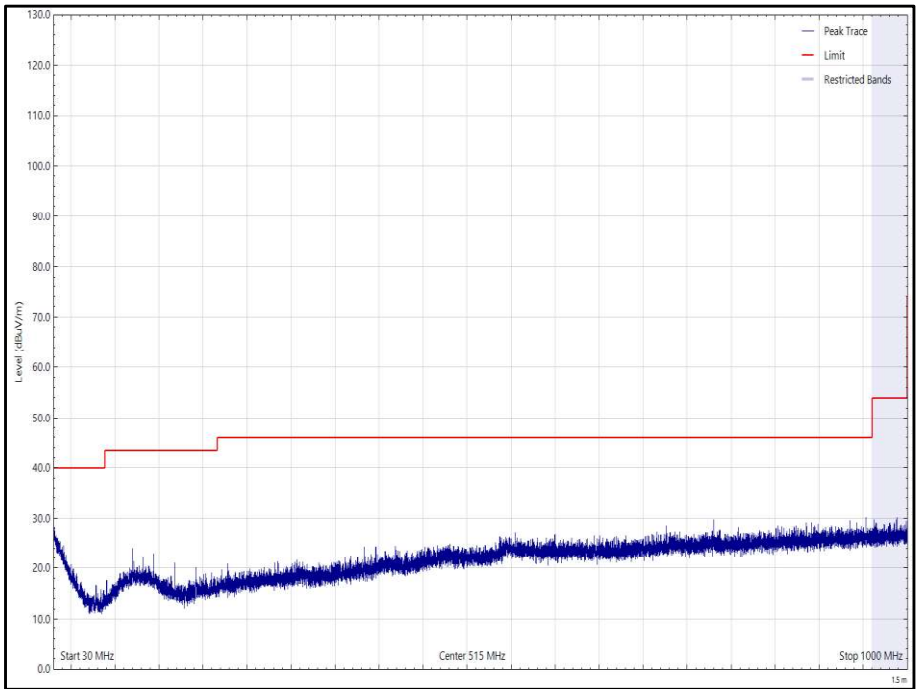

Figure 347 - 802.11a - 6 Mbps, 5785 MHz, 30 MHz to 1 GHz, Vertical (Peak)

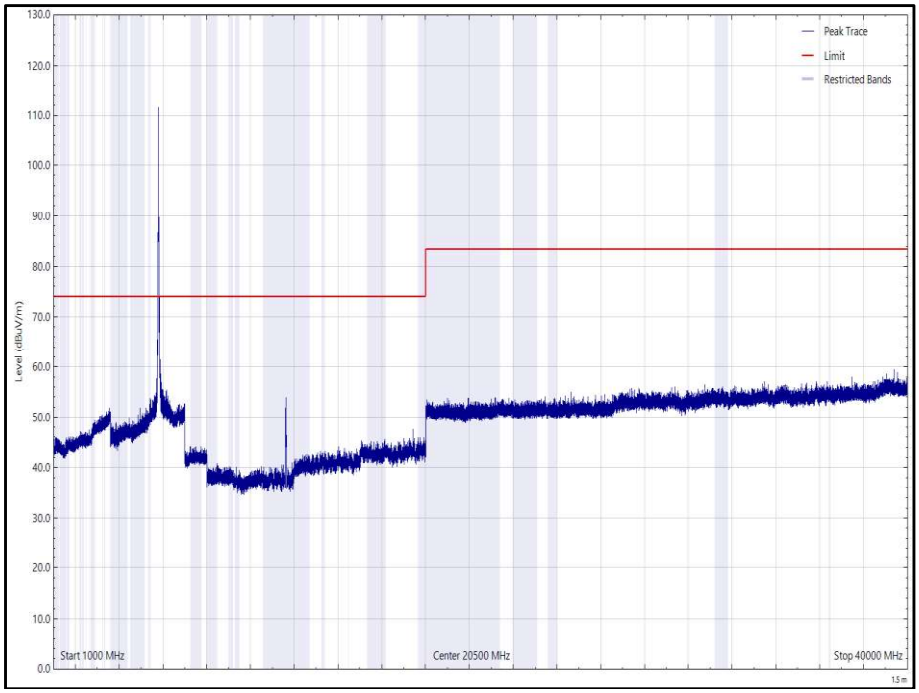

Figure 348 - 802.11a - 6 Mbps, 5785 MHz, 1 GHz to 40 GHz, Vertical (Peak)

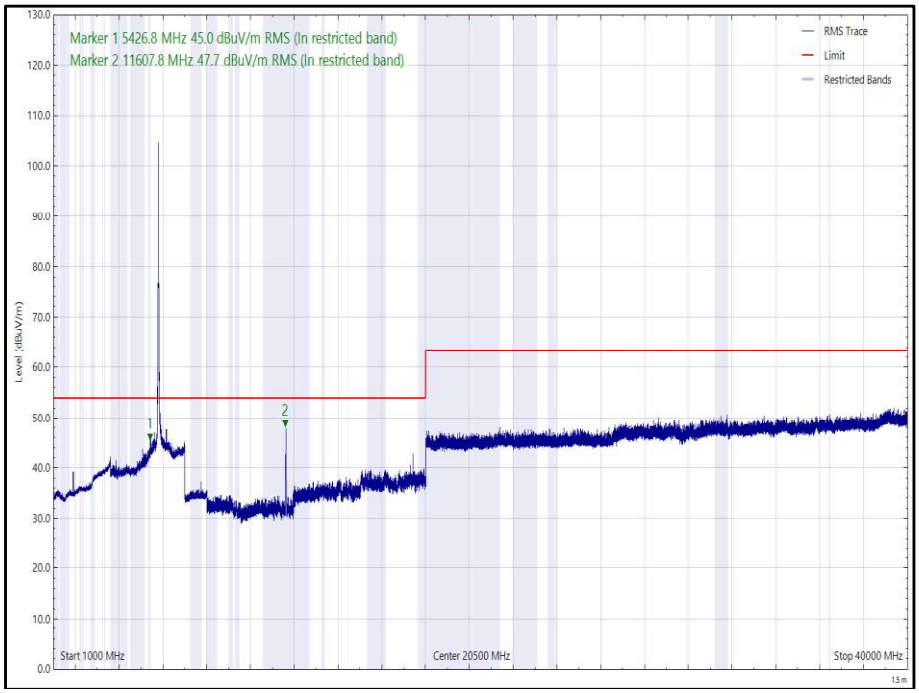

Figure 349 - 802.11a - 6 Mbps, 5785 MHz, 1 GHz to 40 GHz, Vertical (rms)

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Unit	Angle (°)	Height (cm)	Polarisation
5099.288	42.8	54.0	-11.2	RMS	dBuV/m	154	100	Vertical
11654.221	45.0	54.0	-9.0	RMS	dBuV/m	175	100	Vertical

Table 209 - 802.11a - 6 Mbps, 5825 MHz, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

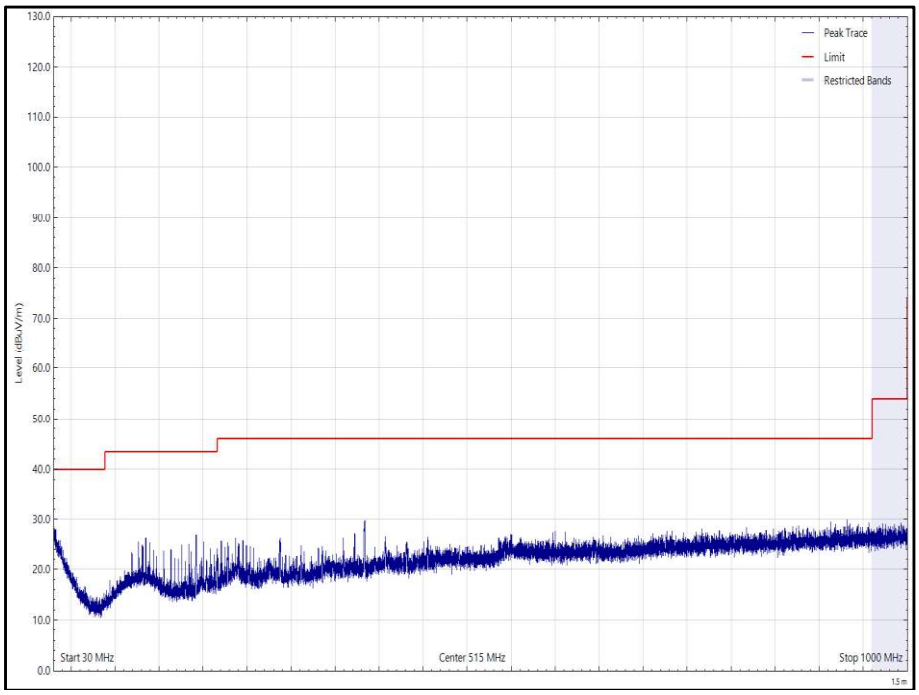

Figure 350 - 802.11a - 6 Mbps, 5825 MHz, 30 MHz to 1 GHz, Horizontal (Peak)

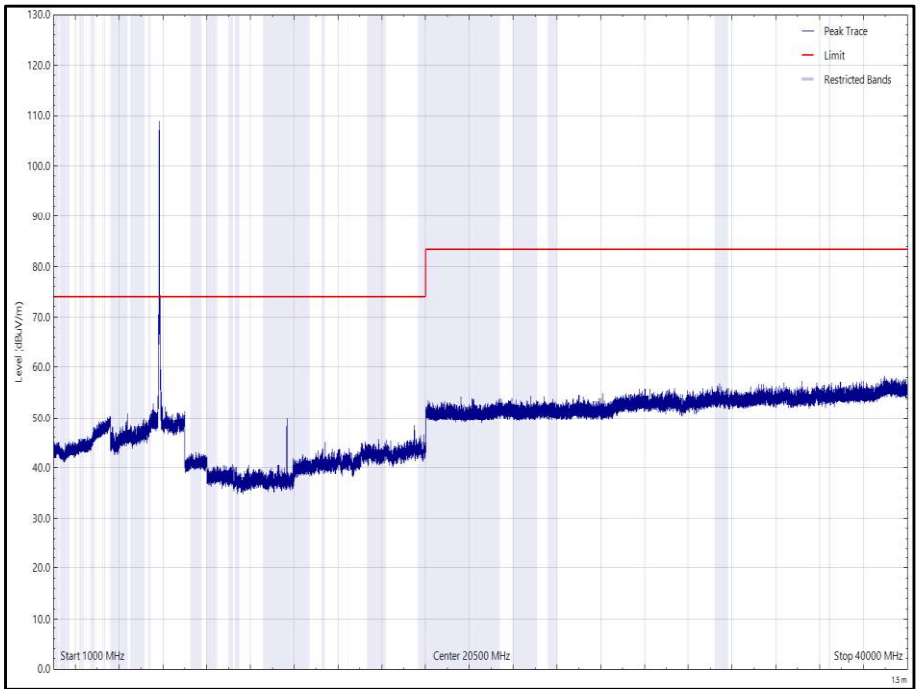

Figure 351 - 802.11a - 6 Mbps, 5825 MHz, 1 GHz to 40 GHz, Horizontal (Peak)

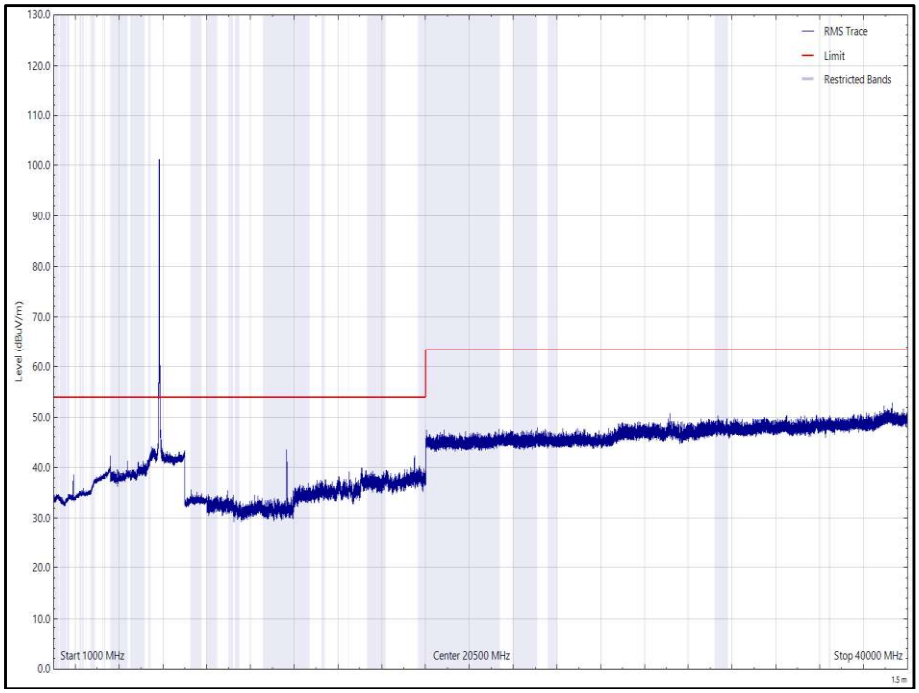

Figure 352 - 802.11a - 6 Mbps, 5825 MHz, 1 GHz to 40 GHz, Horizontal (rms)

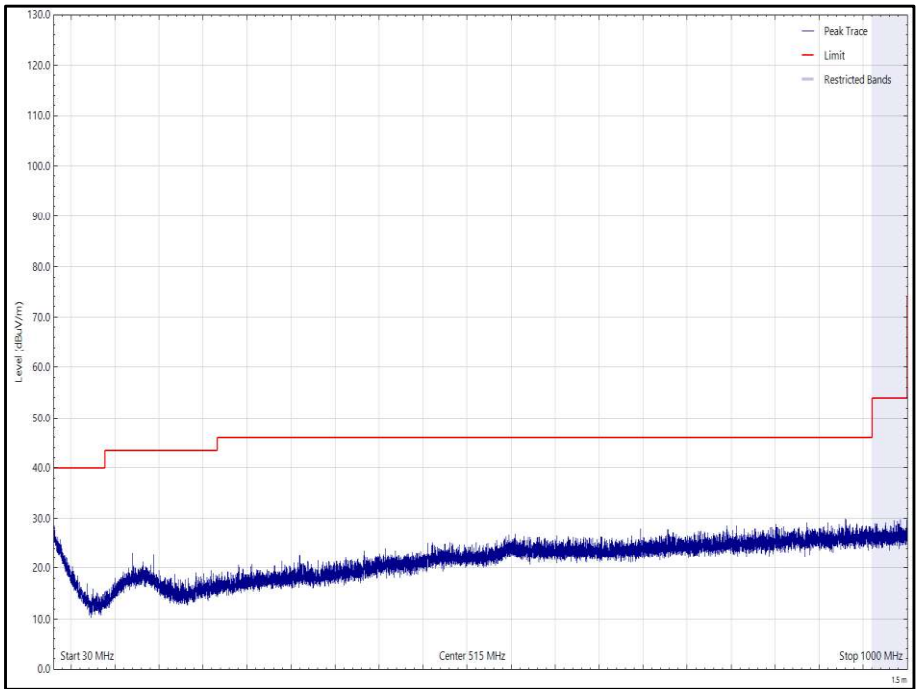

Figure 353 - 802.11a - 6 Mbps, 5825 MHz, 30 MHz to 1 GHz, Vertical (Peak)

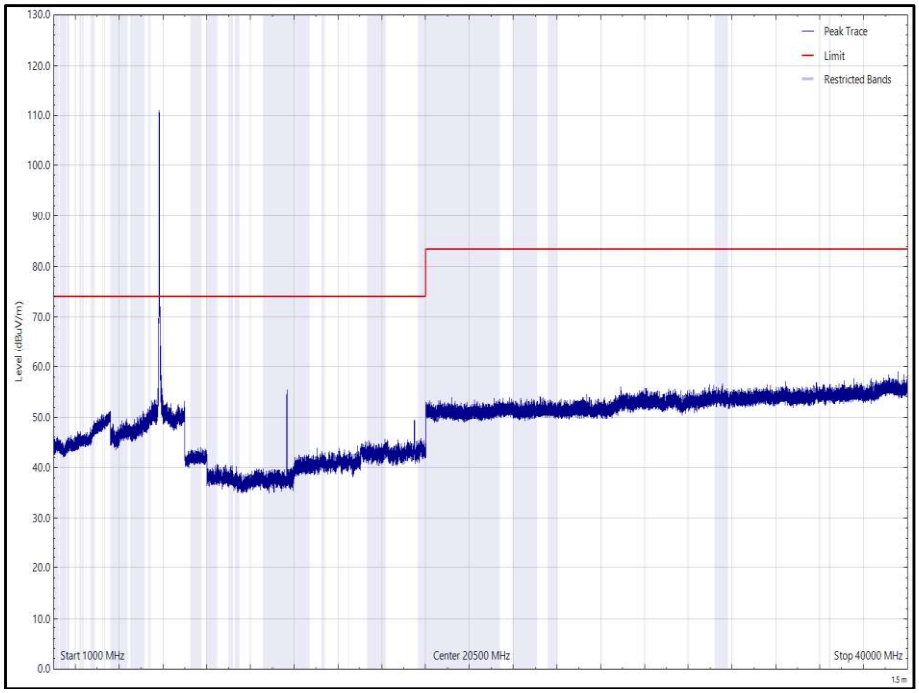

Figure 354 - 802.11a - 6 Mbps, 5825 MHz, 1 GHz to 40 GHz, Vertical (Peak)

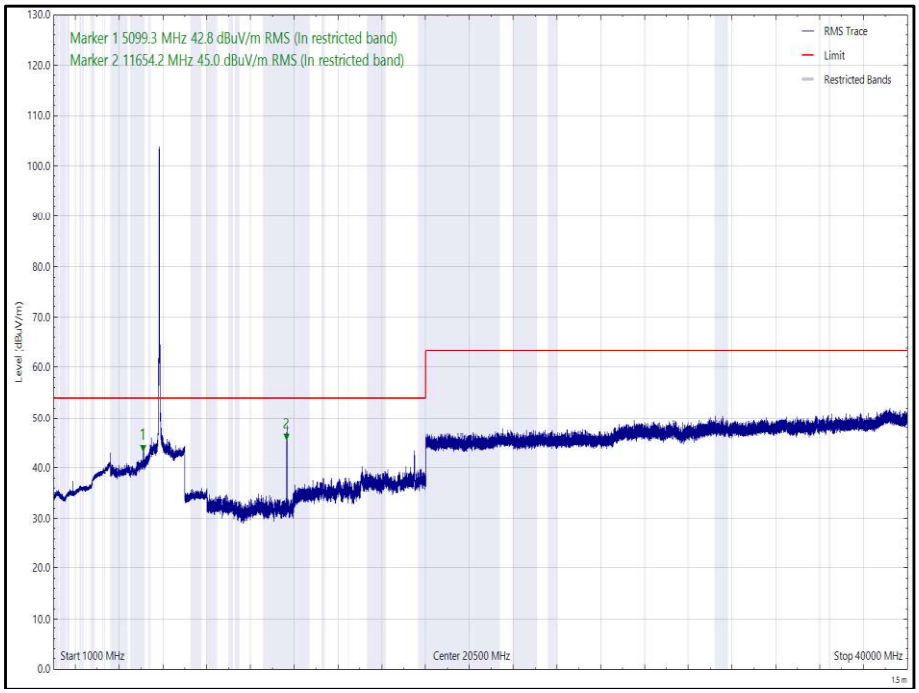

Figure 355 - 802.11a - 6 Mbps, 5825 MHz, 1 GHz to 40 GHz, Vertical (rms)

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

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 210 - 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 (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 211 - Radiated Emissions Limit Table (ISED)

2.7.8 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 12.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Antenna 18-40GHz (Double Ridge Guide)	Link Microtek Ltd	AM180HA-K-TU2	230	24	27-Jul-2022
Antenna with permanent attenuator (Bilog)	Schaffner	CBL6143	287	24	14-Oct-2022
Pre-Amplifier, (8 GHz to 18 GHz)	Phase One	PS04-0086	1533	12	05-Feb-2022
18GHz - 40GHz Pre-Amplifier	Phase One	PSO4-0087	1534	12	02-Aug-2022
Multimeter	Fluke	79 Series II	3057	12	23-Aug-2022
Test Receiver	Rohde & Schwarz	ESU40	3506	12	18-Mar-2022
Cable (K-Type to K-Type, 2 m)	Scott Cables	KPS-1501-2000-KPS	4526	6	06-Mar-2022
Cable (18 GHz)	Rosenberger	LU7-036-1000	5031	12	23-Jul-2022
EmX Emissions Software	TUV SUD	V2.1.11	5125	-	Software
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5216	12	01-Apr-2022
Preamplifier (30dB 1GHz to 18GHz)	Schwarzbeck	BBV 9718 C	5350	12	22-Sep-2022
Cable (sma-sma, 2 m)	Junkosha	MWX221-02000DMS	5428	12	20-Oct-2022
Cable (N-Type to N-Type, 8 m)	Teledyne	PR90-088-8MTR	5450	6	08-Mar-2022
Thermo-Hygro-Barometer	PCE Instruments	PCE-THB-40	5481	12	31-Mar-2022
1m K-Type Cable	Junkosha	MWX241-01000KMSKMS/A	5512	12	09-Apr-2022
2m K Type Cable	Junkosha	MWX241-02000KMSKMS/A	5524	12	24-Mar-2022
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5610	12	15-Oct-2022
Broadband Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA 9120 B	5611	12	15-Oct-2022
Turntable & Mast Controller	Maturo Gmbh	NCD/498/2799.01	5612	-	TU
Tilt Antenna Mast TAM 4.0-P	Maturo Gmbh	TAM 4.0-P	5613	-	TU
Screened Room (12)	MVG	EMC-3	5621	36	11-Aug-2023

Table 212

TU - Traceability Unscheduled

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

2.8.1 Specification Reference

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

2.8.2 Equipment Under Test and Modification State

RB03, S/N: HLP2 board - Modification State 0

2.8.3 Date of Test

03-June-2021 to 07-June-2021

2.8.4 Test Method

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

A computer was connected via an Ethernet cable to the Master device and the FCC defined data file was streamed from the Client device.

Radar Pulse Type 0 was then 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 200ms and the following 9.8 seconds of the Channel Move Time was computed by the Aeroflex DFS Software.

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

Red - End Of Radar Burst, (T0)
Purple - End Of 200ms Period, (T0 + 200 ms)
Orange - End Of Channel Move Time, (T0 + 10 seconds)

To verify the non-occupancy period, the PXI digitiser was replaced with a Spectrum Analyser. 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.

2.8.5 Environmental Conditions

Ambient Temperature	22.4 - 25.1 °C
Relative Humidity	43.9 - 55.7 %

2.8.6 Test Results

5 GHz WLAN - 802.11ac VHT80

The equipment was set up as shown in the diagram below. The EUT was configured to run iPerf, transmitting UDP to the client laptop. The channel loading was set to >17% by adjusting the bandwidth specified in the iPerf UDP transfer.

To calibrate the level of the radar at the input to the companion device, the companion device was replaced by the spectrum analyser and the output of the PXI RF generator adjusted to give -61 dBm.

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

Table 213 - Radar Pulse Type 0 Characteristics

Manufacturer	Model	Serial Number	FCC ID
Asus	RT-AC68U	L81U1B004	MSQ-RTAC68U

Table 214 - Details of Master Device used to support testing

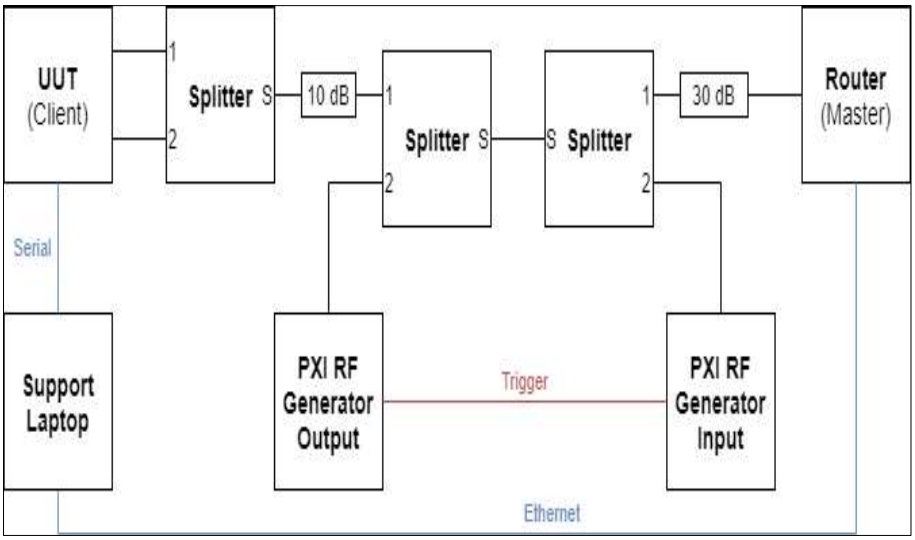

Figure 356 - Test Equipment Setup Diagram for Client without Radar Detection with Injection at the Master

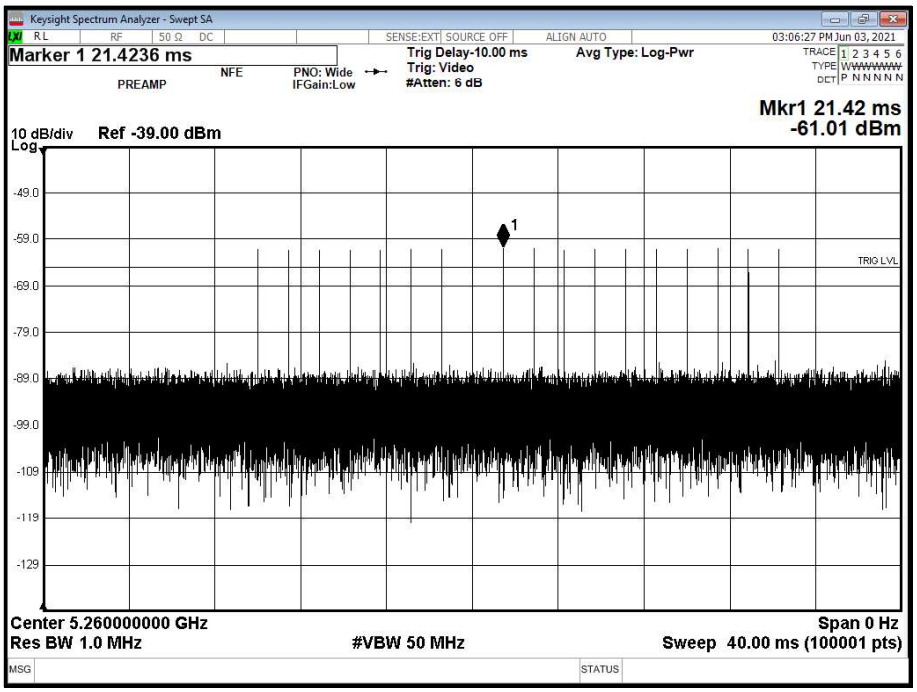

Figure 357 - Verification of Radar Type 0

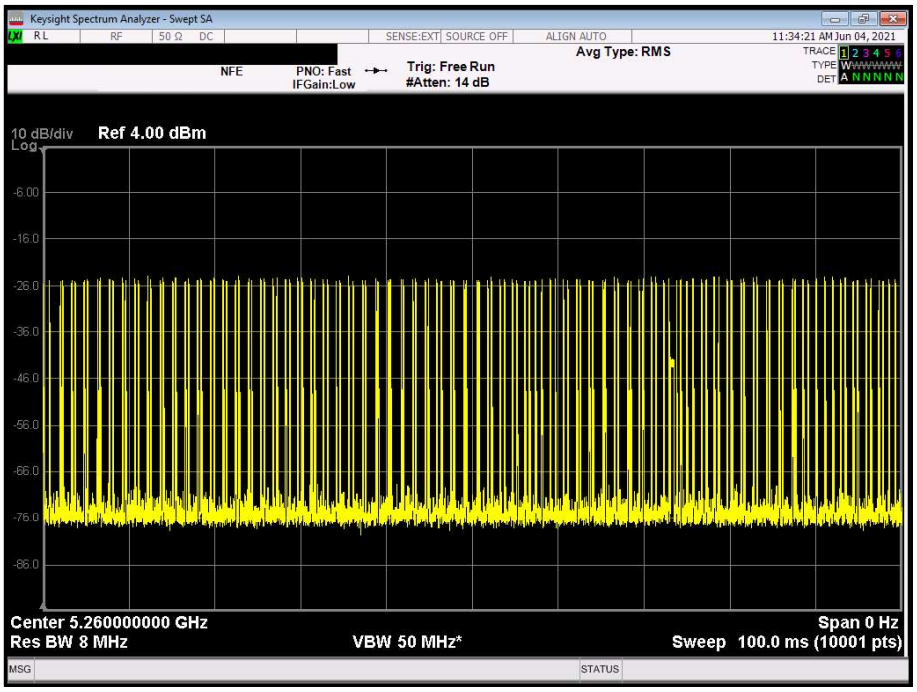

Figure 358 - Channel Loading

The channel loading was 19.0%

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 215 - DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Test Parameter	Result
Channel Move Time	0.127
Channel Closing Time (Aggregate Time During 200 ms)	0.026
Channel Closing Time (Aggregate Time During 200 ms to 10 s)	0.226
Channel Closing Time (Aggregate Time During 10 s)	10.226
Transmission Observed During Non-Occupancy Period	0

Table 216 - In-Service Monitoring Test Results

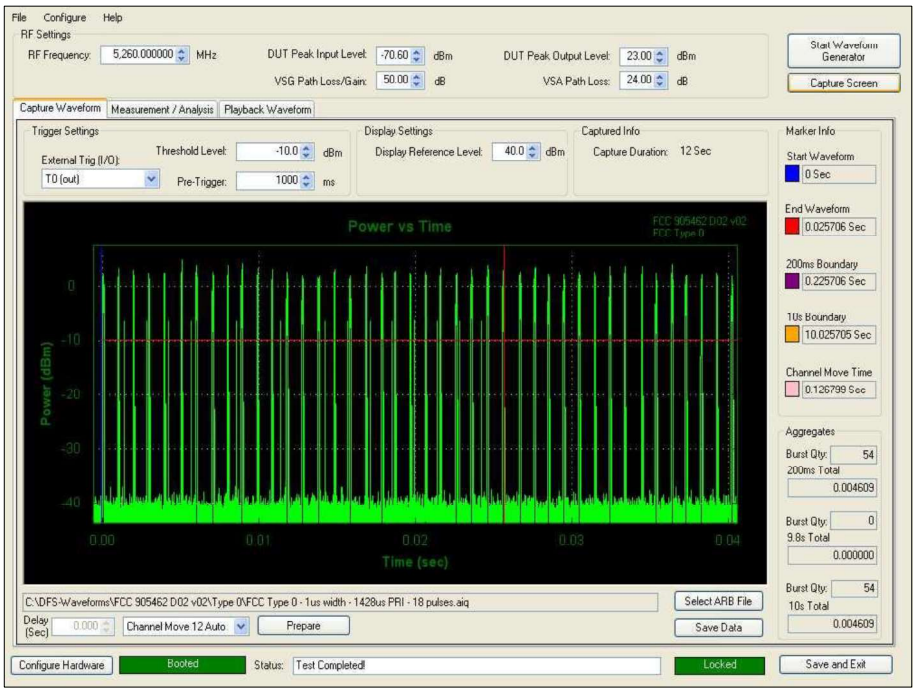

Figure 359 - First 200 ms of Channel Shutdown Period

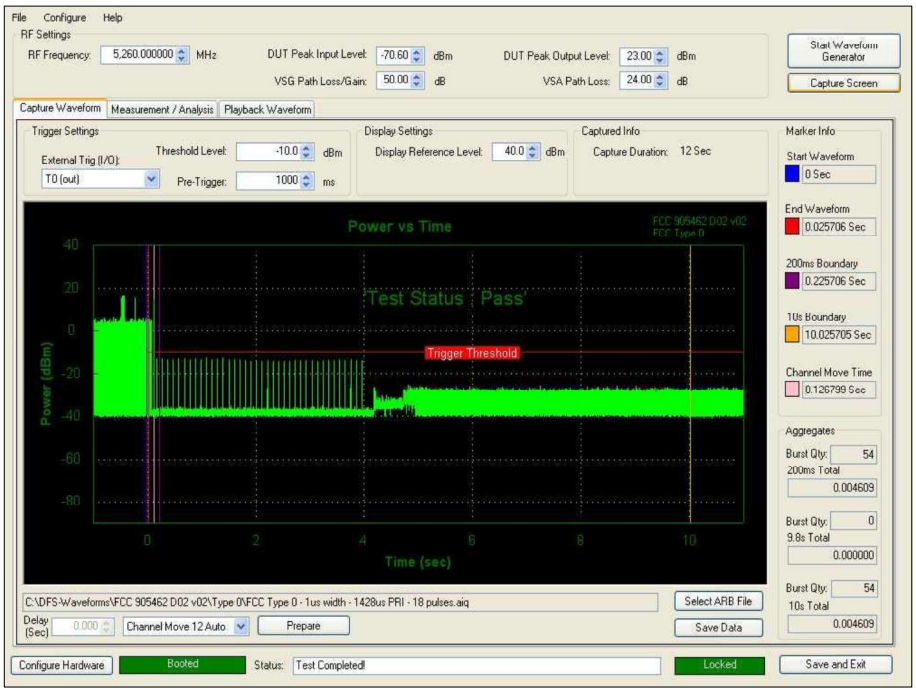

Figure 360 - First 12 s of Channel Shutdown Period

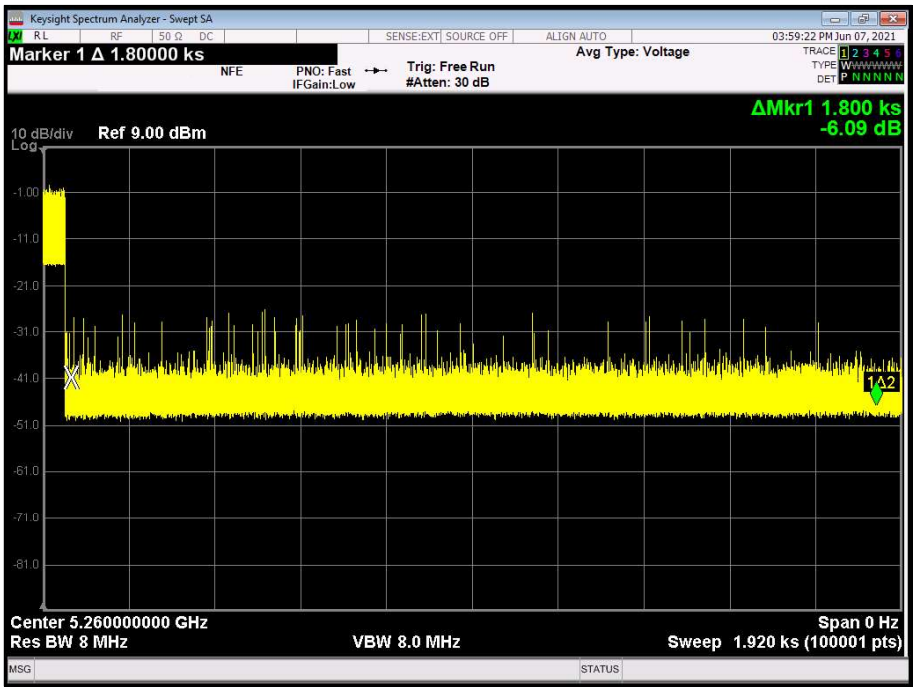

Figure 361 - 30 minute Non-Occupancy Period

Note that 30min transmission non occupancy period shows transmissions, at a much lower level, from the adjacent move channel.

FCC 47 CFR Part 15, Limit Clause 15.407 (h)(2)(iii)

Channel Move Time	<10 seconds
Channel Closing Time (Aggregate Time During 200ms)	<200 ms
Channel Closing Time (Aggregate Time During +200ms to 10s)	<60 ms

Table 217 - Channel Move Time and Channel Closing Transmission Time Limit

FCC 47 CFR Part 15, Limit Clause 15.407 (h)(2)(iv)

Non-occupancy Period	> 30 minutes

Table 218 - Non-Occupancy Limit

ISED RSS-247, Limit Clause 6.3.2

Devices shall comply with the following requirements, however, the requirement for in-service monitoring does not apply to slave devices without radar detection.

In-service monitoring: an LE-LAN device shall be able to monitor the operating channel to check that a co-channel radar has not moved or started operation within range of the LE-LAN device. During in-service monitoring, the LE-LAN radar detection function continuously searches for radar signals between normal LE-LAN transmissions.

Channel availability check time: the device shall check whether there is a radar system already operating on the channel before it initiates a transmission on a channel and when it moves to a channel. The device may start using the channel if no radar signal with a power level greater than the interference threshold value specified in Section 6.3.1 above is detected within 60 seconds. This requirement only applies in the master operational mode.

Channel move time: after a radar signal is detected, the device shall cease all transmissions on the operating channel within 10 seconds.

Channel closing transmission time: is comprised of 200 ms starting at the beginning of the channel move time plus any additional intermittent control signals required to facilitate a channel move (an aggregate of 60 ms) over the remaining 10-second period of the channel move time.

Non-occupancy period: a channel that has been flagged as containing a radar signal, either by a channel availability check or in-service monitoring, is subject to a 30-minute non-occupancy period where the channel cannot be used by the LE-LAN device. The non-occupancy period starts from the time that the radar signal is detected

2.8.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 2.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	16-Jun-2021
Multimeter	Fluke	79 Series II	3057	12	21-Aug-2021
PXI RF Digitizer	Aeroflex	3035	4012	24	12-Nov-2022
PXI RF Synthesizer	Aeroflex	3010	4013	24	12-Nov-2022
PXI RF Synthesizer	Aeroflex	3011	4014	24	12-Nov-2022
PXI Digital RF Signal Generator	Aeroflex	3025	4015	24	12-Nov-2022
1800-6000 MHz Power Splitter	Mini-Circuits	ZN2PD-63-S+	4055	-	O/P Mon
Frequency Standard	Spectracom	SecureSync 1200-0408-0601	4393	6	16-Jun-2021
PXA Signal Analyser	Keysight Technologies	N9030A	4654	12	06-Nov-2021
Power splitter - 2 port	Mini-Circuits	ZN2PD-63-S+	4743	12	23-Sep-2021
Quad Power Supply	Rohde & Schwarz	HMP4040	4954	-	O/P Mon
Power Splitter, 2 way	Mini-Circuits	ZN2PD2-63-S+	5237	-	O/P Mon
Thermo-Hygro-Barometer	PCE Instruments	PCE-THB-40	5475	12	06-Apr-2022
Attenuator 5W 10dB DC-18GHz	Aaren	AT40A-4041-D18-10	5493	12	14-Apr-2022
Attenuator 5W 30dB DC-18GHz	Aaren	AT40A-4041-D18-30	5503	12	14-Apr-2022
Wireless Cable & Fibre Router - AC 1900, Dual-band	Asus	RT-AC68U	5815	-	TU

Table 219

O/P Mon – Output Monitored using calibrated equipment

3 Photographs

3.1 Test Setup Photographs

Figure 362 - Test Setup - AC Line Conducted Emissions

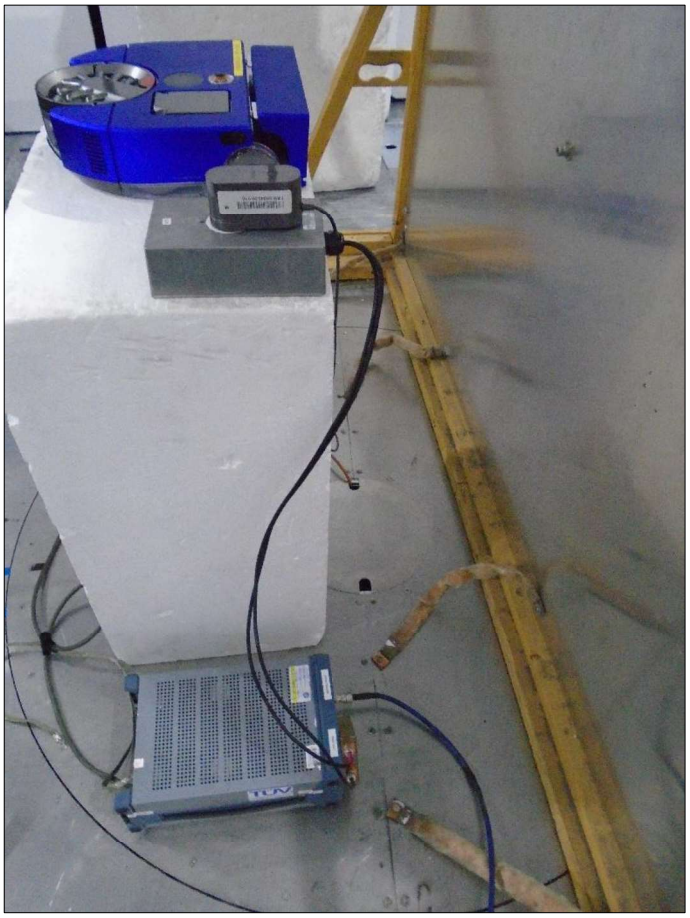

Figure 363 - Test Setup - AC Line Conducted Emissions

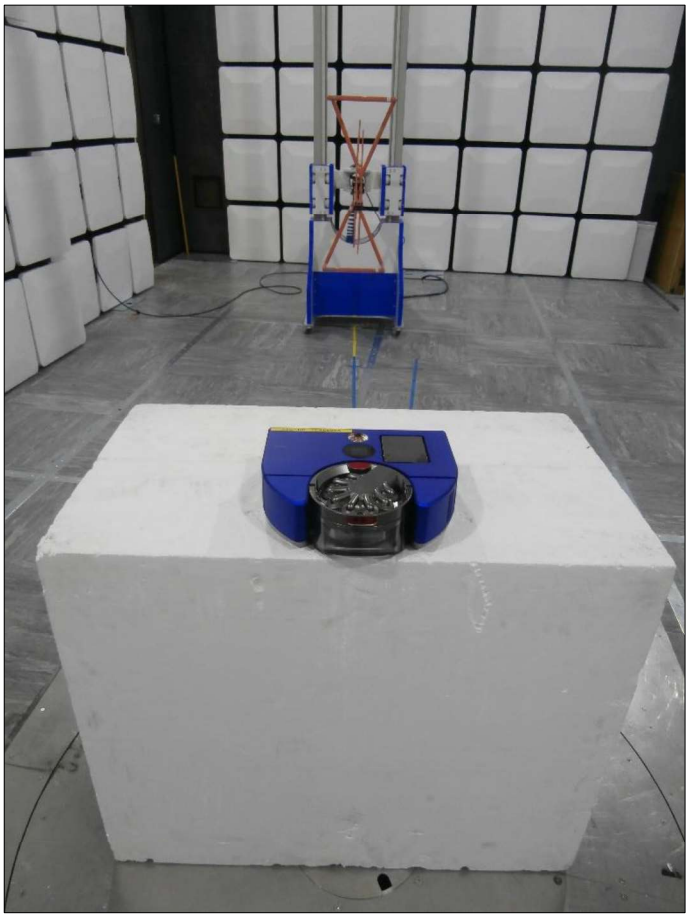

Figure 364 - Test Setup - 30 MHz to 1 GHz

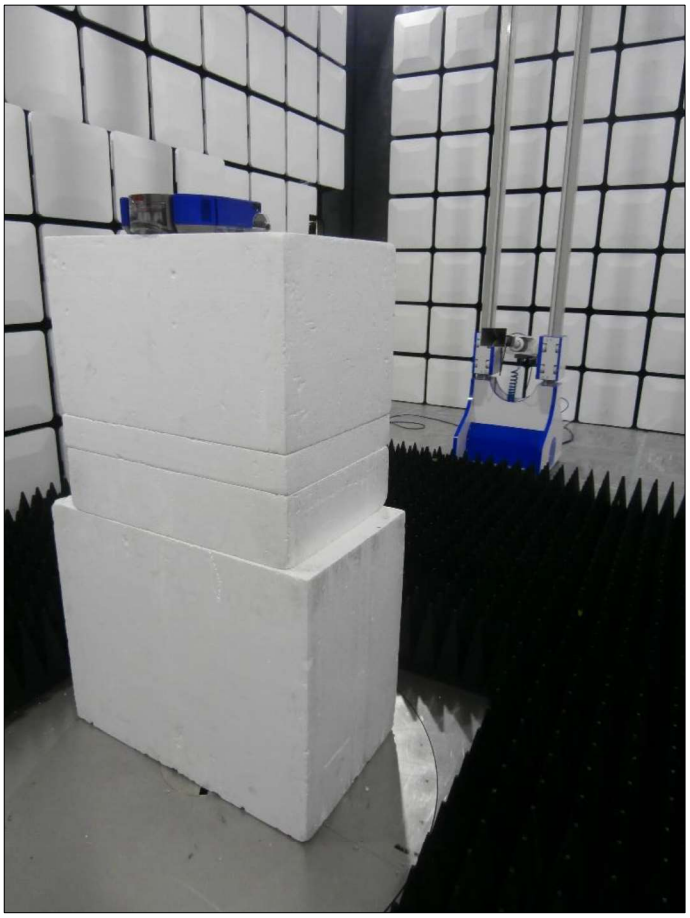

Figure 365 - Test Setup - 1 GHz to 18 GHz

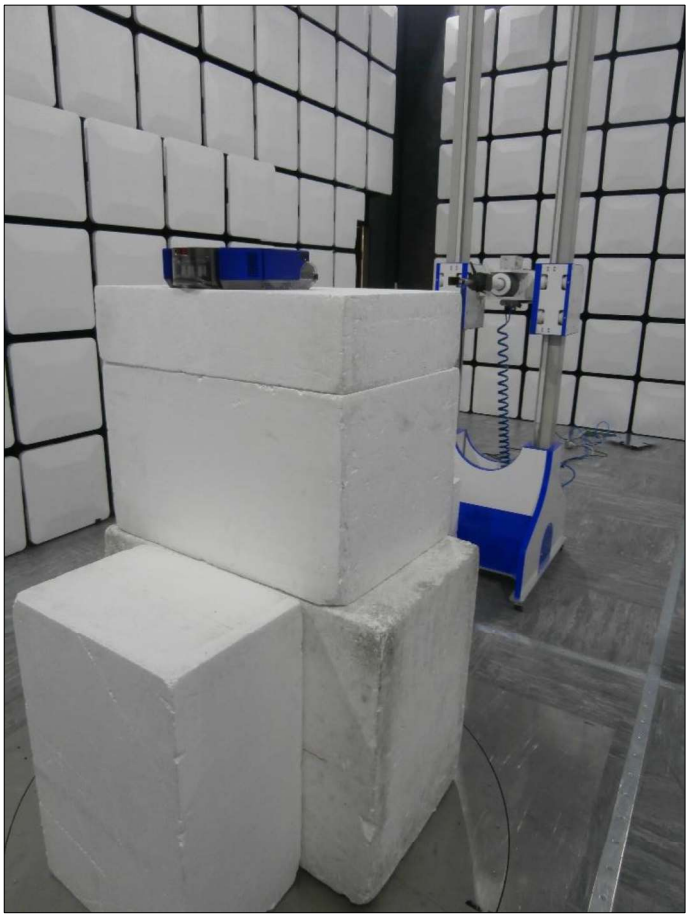

Figure 366 - Test Setup - 18 GHz to 25 GHz

4 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Restricted Band Edges	± 6.3 dB
AC Power Line Conducted Emissions	150 kHz to 30 MHz, LISN, ±3.7 dB
Maximum Conducted Output Power	± 3.2 dB
Maximum Conducted Power Spectral Density	± 3.2 dB
Emission Bandwidth	± 1.044 MHz
Authorised Band Edges	± 6.3 dB
Spurious Radiated Emissions	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB
Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period	Time: ± 0.47 % Power: ± 1.29 dB

Table 220

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2007, clause 4.4.3 and 4.5.1.