TUV SUD Limited Digitally signed by TUV SUD Limited Date: 2024.10.16 10:35:47 +01'00'

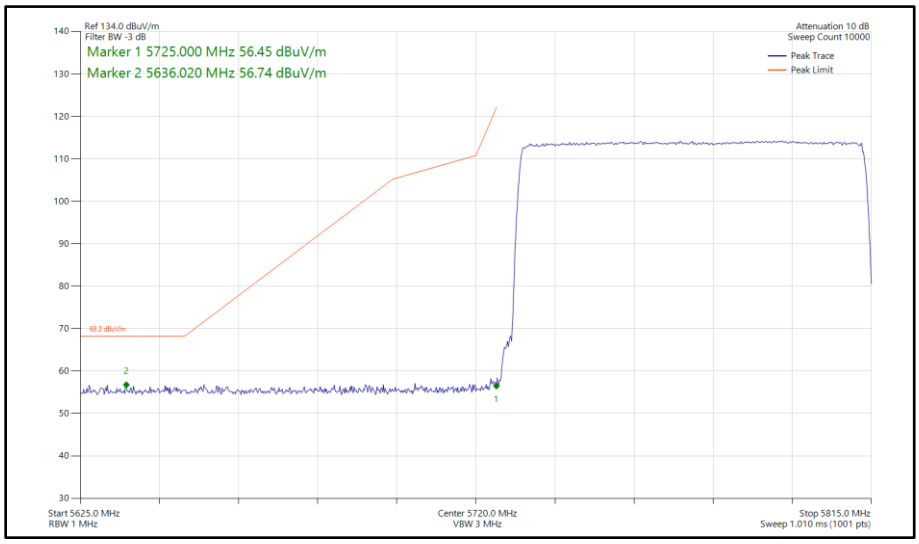

Figure 213 - Bluetooth HDR8, SISO, Core 1 - 5733-5811 MHz Band Edge Frequency 5725 MHz

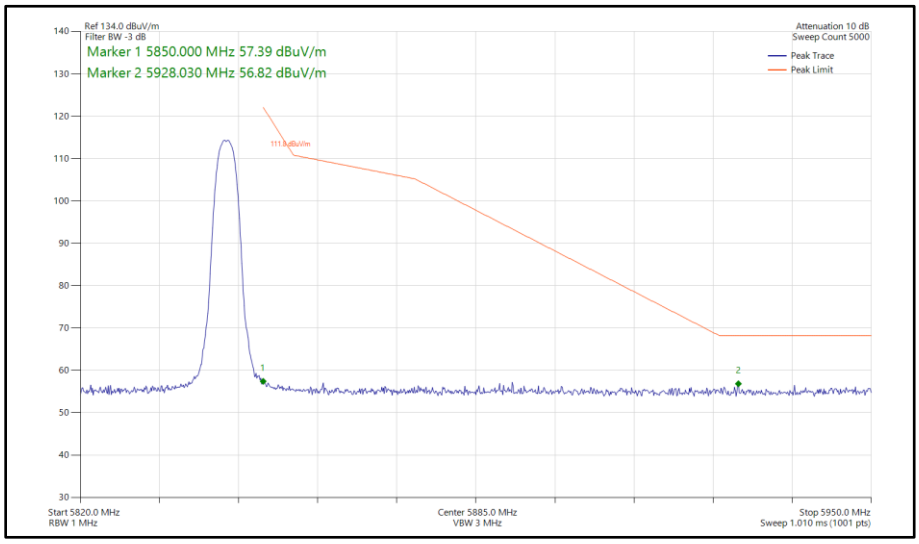

Figure 214 - Bluetooth HDR4, SISO, Core 1 - 5844 MHz Band Edge Frequency 5850 MHz

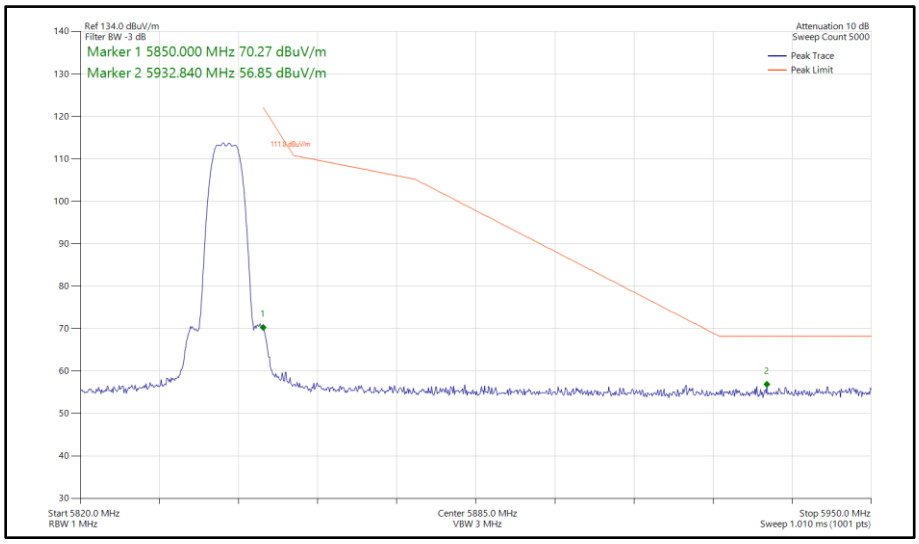

Figure 215 - Bluetooth HDR8, SISO, Core 1 - 5844 MHz Band Edge Frequency 5850 MHz

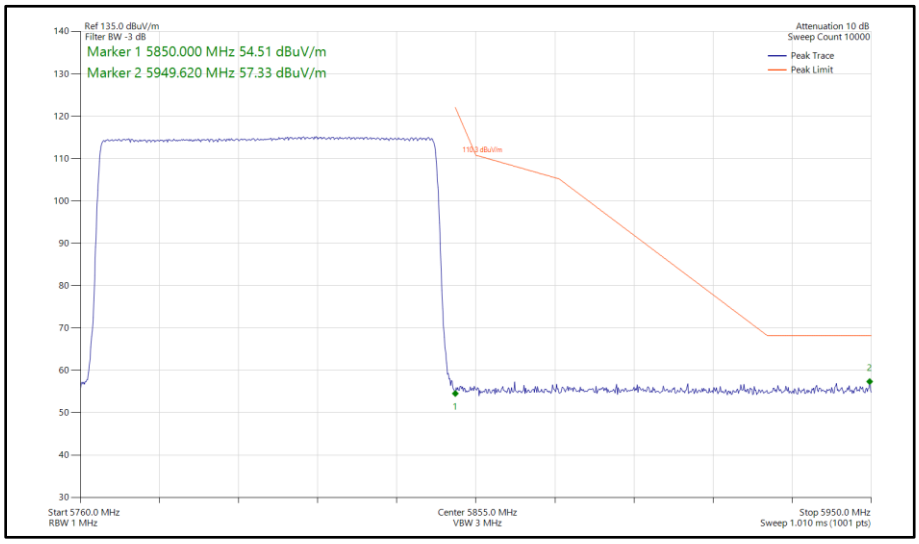

Figure 216 - Bluetooth HDR4, SISO, Core 1 - 5766-5844 MHz Band Edge Frequency 5850 MHz

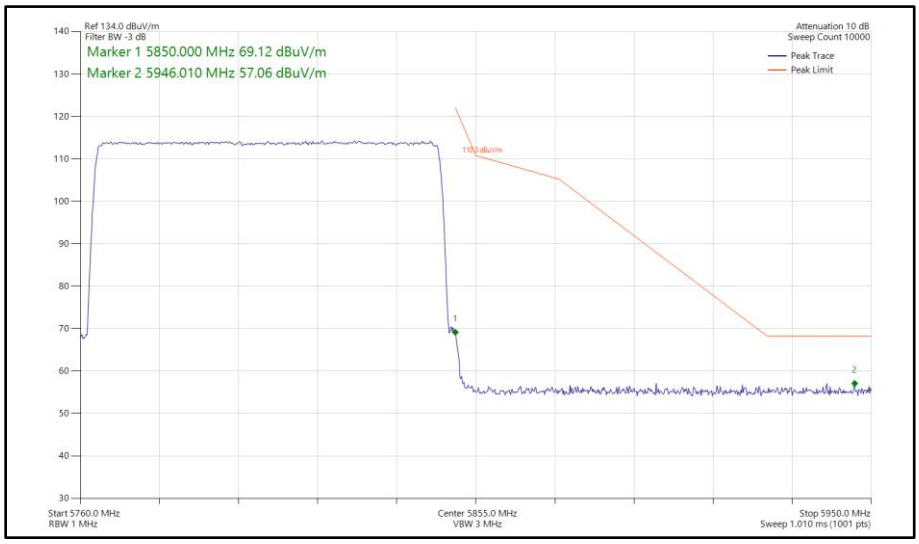

Figure 217 - Bluetooth HDR8, SISO, Core 1 - 5766-5844 MHz Band Edge Frequency 5850 MHz

ePA - Core 0 - Core 1 (MIMO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
Static	HDR4	5733	5725	56.69
Static	HDR8	5733	5725	56.96
Hopping	HDR4	5733-5811	5725	56.46
Hopping	HDR8	5733-5811	5725	56.60
Static	HDR4	5844	5850	56.28
Static	HDR8	5844	5850	57.25
Hopping	HDR4	5766-5844	5850	56.60
Hopping	HDR8	5766-5844	5850	56.55

Table 106 - MIMO Authorised Band Edge Results

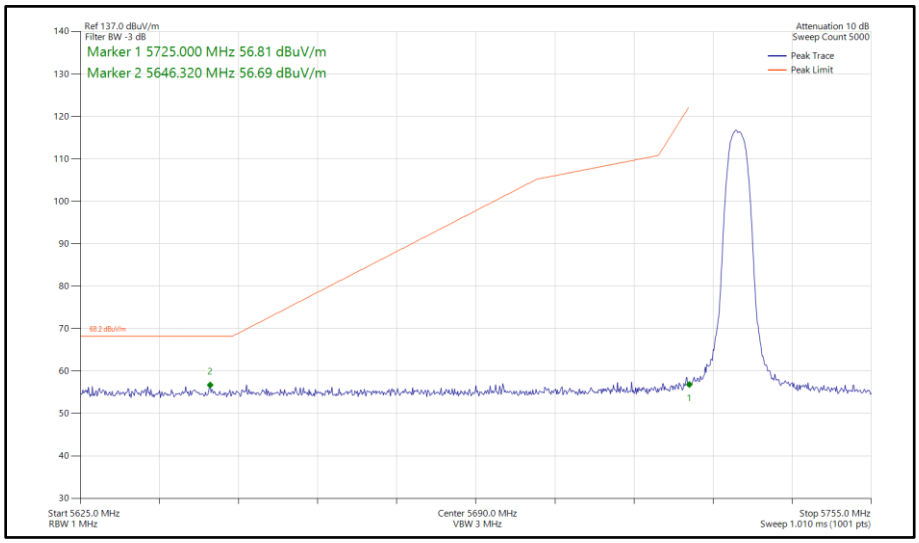

Figure 218 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5733 MHz Band Edge Frequency 5725 MHz

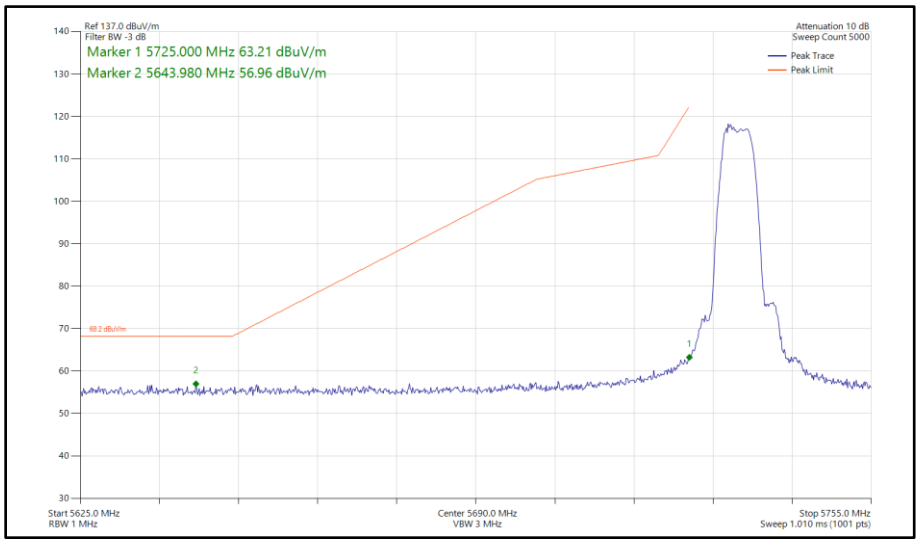

Figure 219 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5733 MHz Band Edge Frequency 5725 MHz

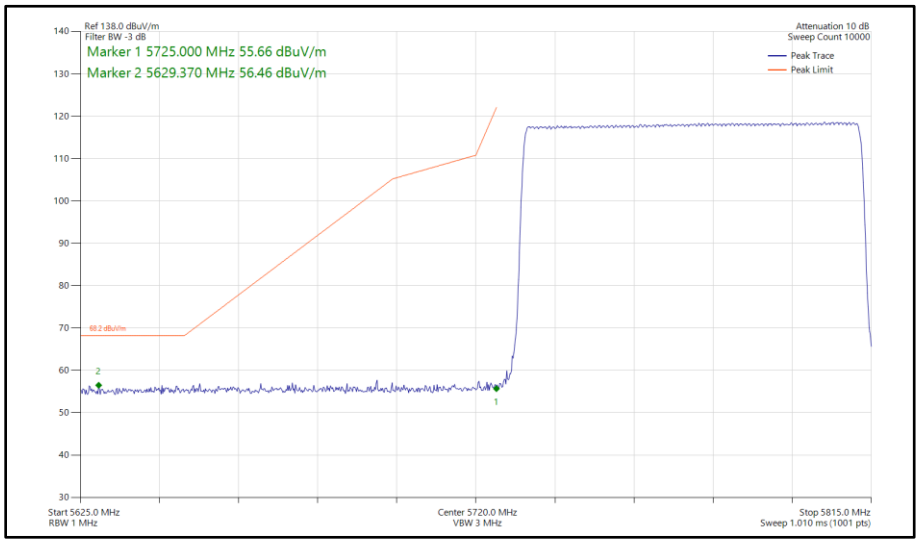

Figure 220 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5733-5811 MHz Band Edge Frequency 5725 MHz

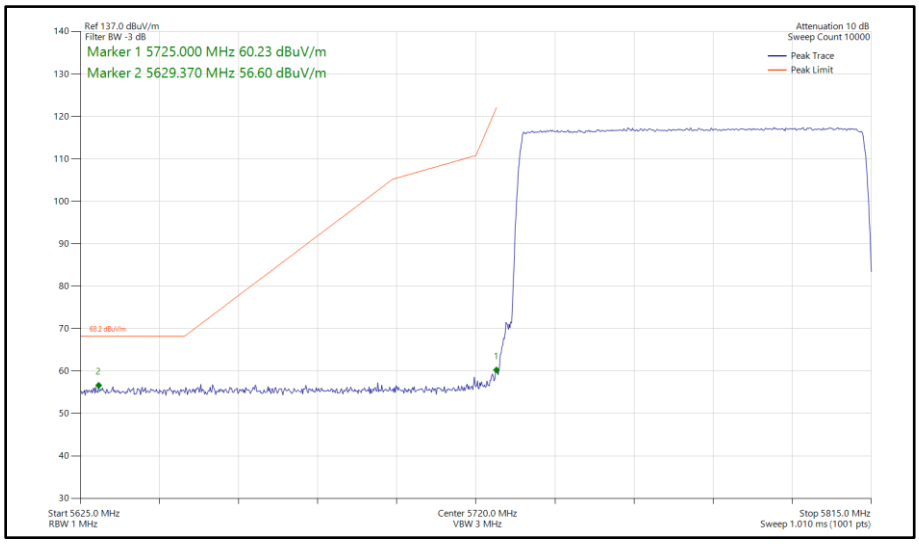

Figure 221 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5733-5811 MHz Band Edge Frequency 5725 MHz

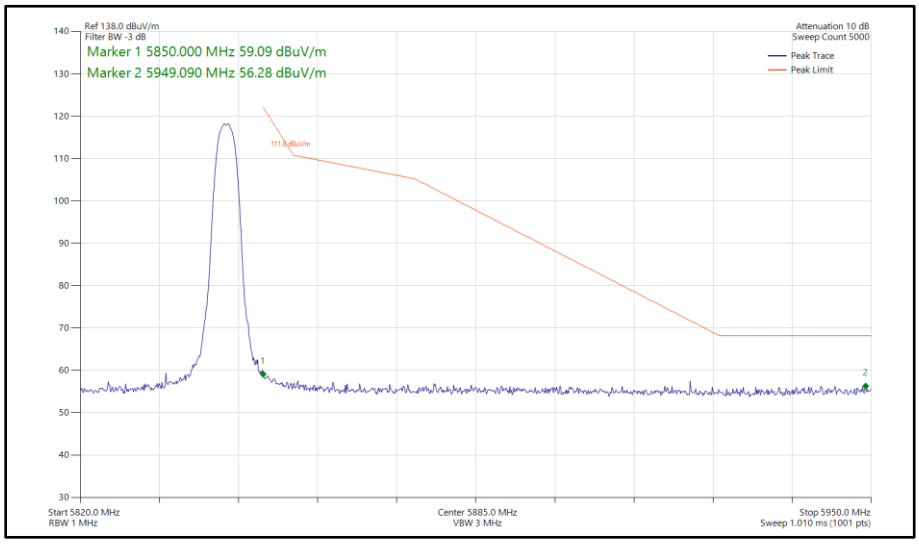

Figure 222 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5844 MHz Band Edge Frequency 5850 MHz

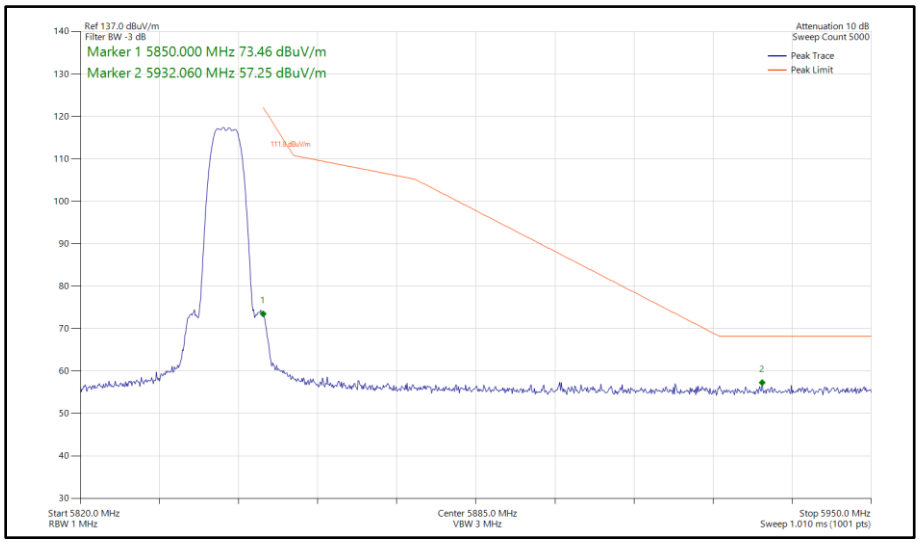

Figure 223 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5844 MHz Band Edge Frequency 5850 MHz

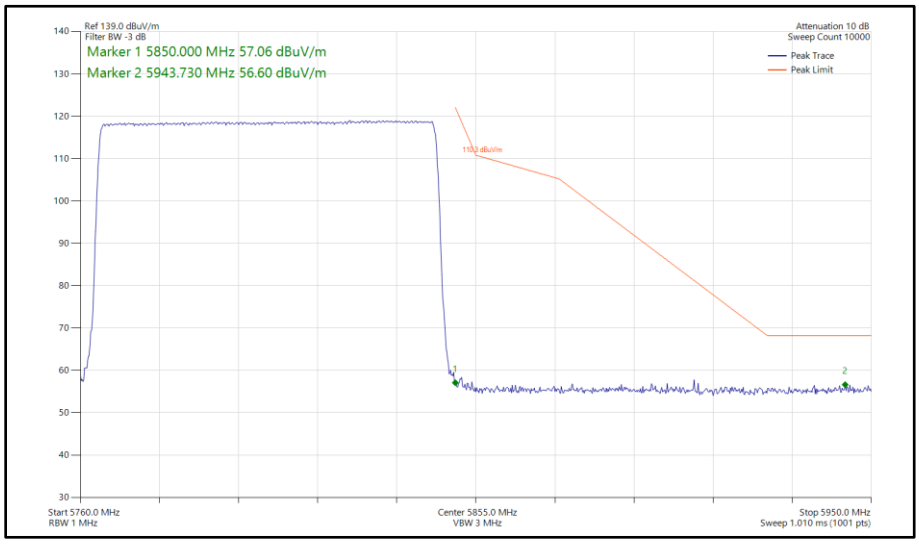

Figure 224 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5766-5844 MHz Band Edge Frequency 5850 MHz

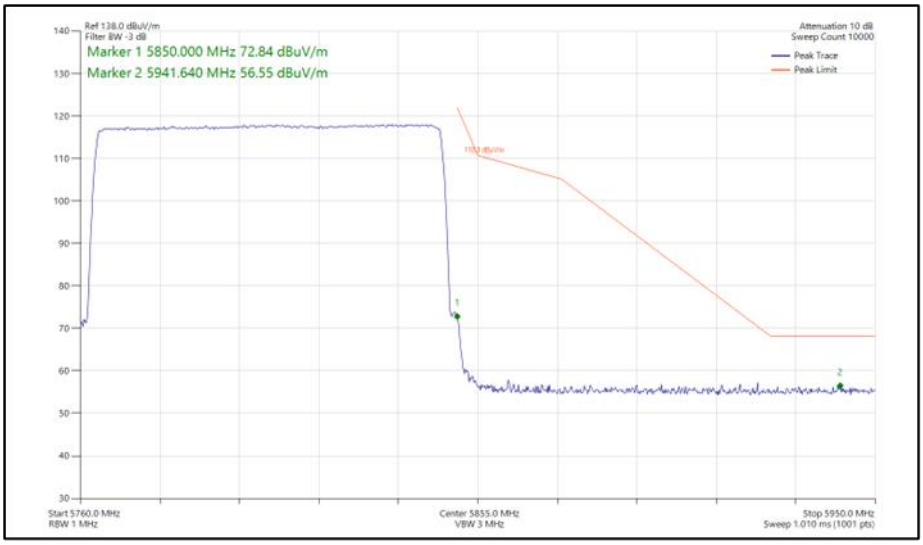

Figure 225 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5766-5844 MHz Band Edge Frequency 5850 MHz

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.

2.5.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 17.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5379	12	12-Dec-2024
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
Humidity and Temperature Meter	R.S Components	1364	6346	12	06-Mar-2025
Horn Antenna (1–8 GHz)	Schwarzbeck	BBHA 9120 B	6457	12	05-May-2025
AC Power Supply	iTech	IT7324	6657	-	O/P Mon
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	28-Jan-2026
Mast and Turntable Controller	Maturo Gmbh	FCU3.0	6659	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6660	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6661	-	TU
10dB attenuator	RF-Lambda	RFS5G08B10SMF	6732	12	07-Jan-2025
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	01-Feb-2025

Table 107

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)

2.6.2 Equipment Under Test and Modification State

A3403, S/N: JF4T7PYJ66 - Modification State 0
A3403, S/N: LJHNW3N9XQ - Modification State 0

2.6.3 Date of Test

26-August-2024 to 20-September-2024

2.6.4 Test Method

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

Ports on the EUT were terminated with loads as described in ANSI C63.10 clause 6.2.3.

Measurements were undertaken from 30 MHz to 40 GHz on Channel 5203 (5203 MHz) and Channel 5788 (5788 MHz).

For the purpose of this testing, spurious emissions were limited to 1 GHz to 40 GHz on all other test channels.

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 20dB 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

2.6.5 Example Test Setup Diagram

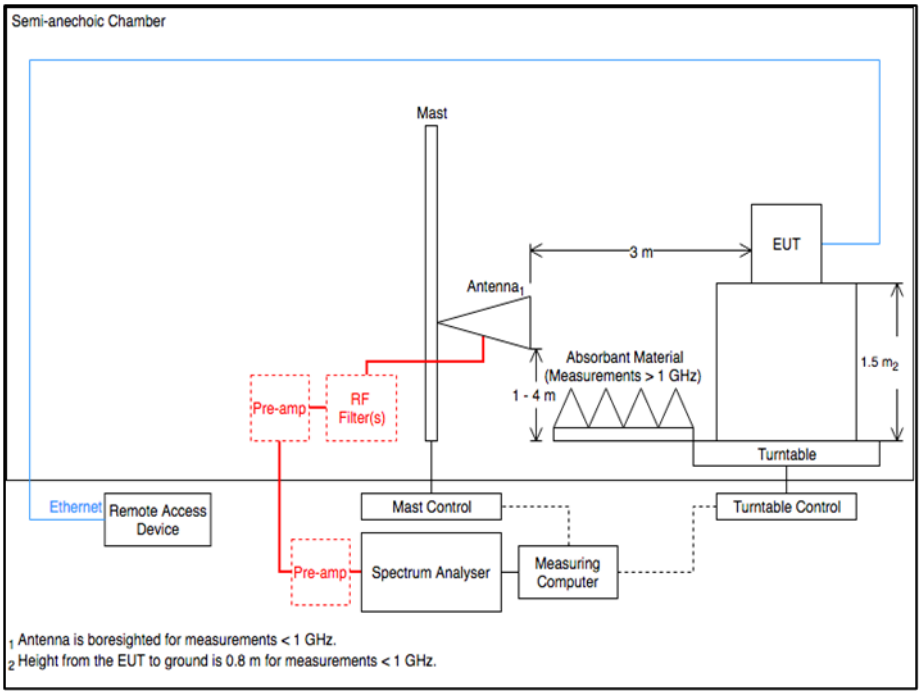

Figure 226 - Radiated Emissions Test Setup Diagram

2.6.6 Environmental Conditions

Ambient Temperature	22.1 - 24.3 °C
Relative Humidity	35.0 - 55.7 %

2.6.7 Test Results

Narrowband

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 108 - 5162 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

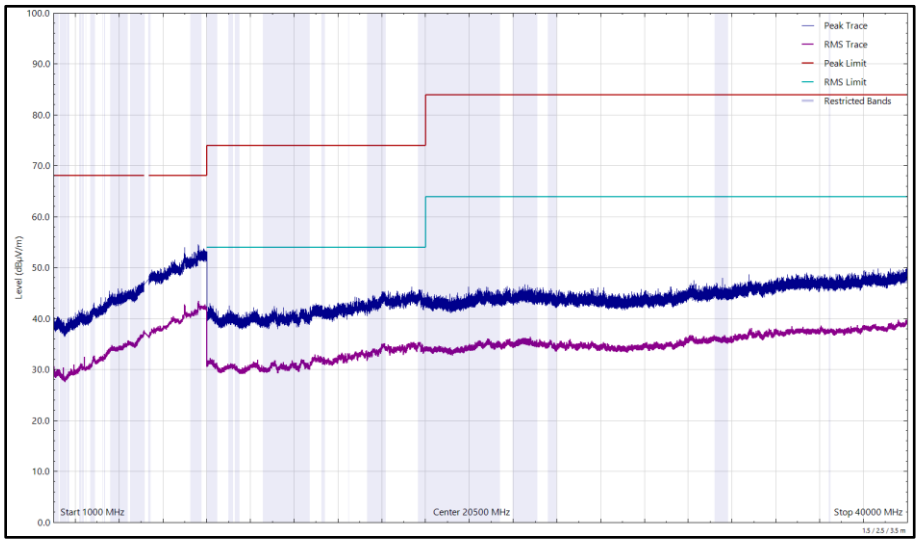

Figure 227 - 5162 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

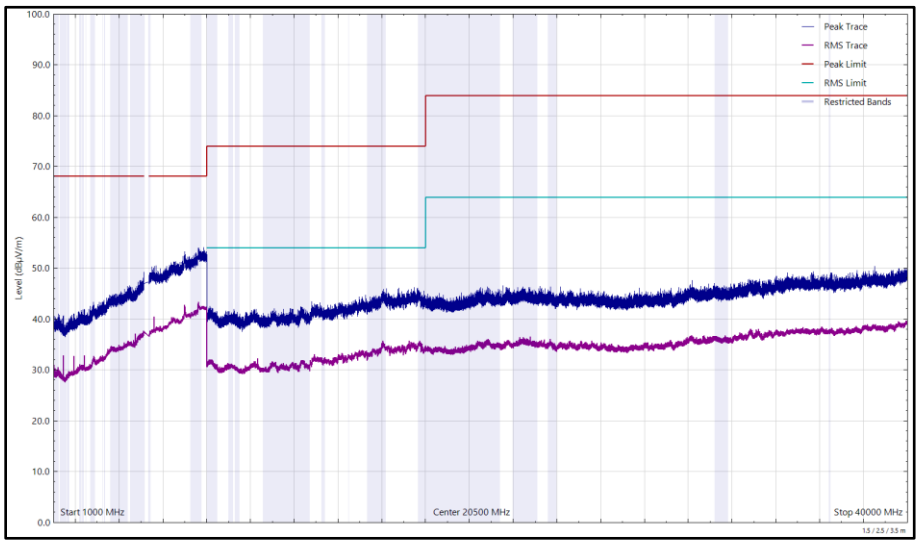

Figure 228 - 5162 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
30.091	20.10	40.00	-19.90	Q-Peak	108	100	Horizontal
30.164	24.16	40.00	-15.84	Q-Peak	271	100	Vertical
4769.400	35.85	54.00	-18.15	RMS	58	315	Vertical

Table 109 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

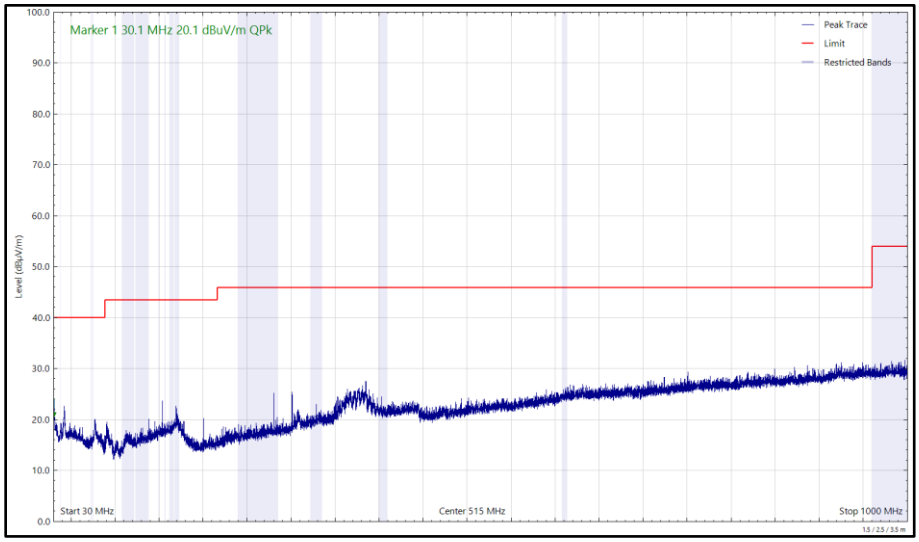

Figure 229 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

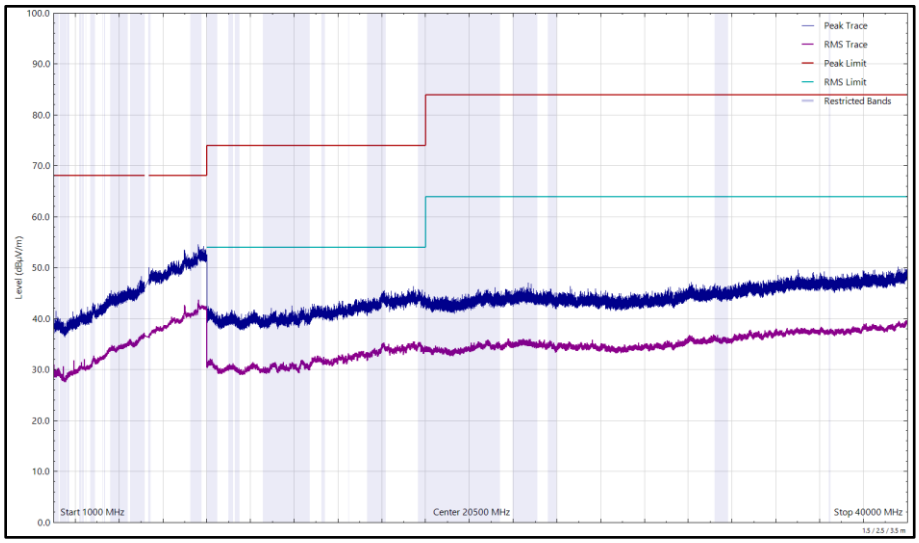

Figure 230 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

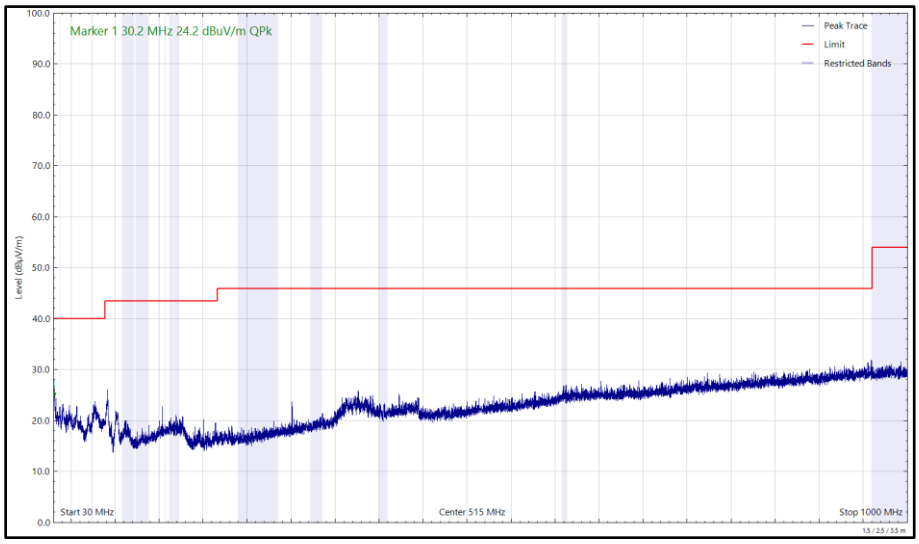

Figure 231 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

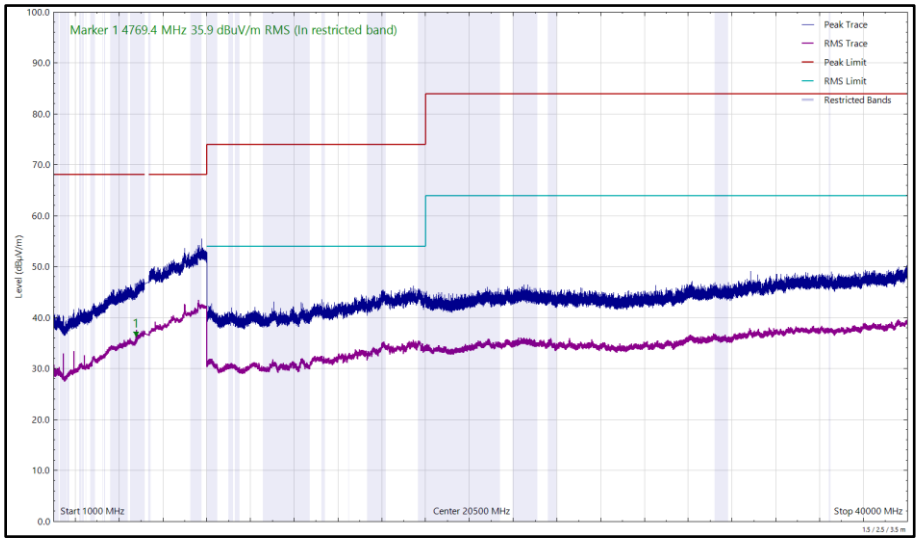

Figure 232 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5124.901	36.74	54.00	-17.26	RMS	3	270	Vertical
5147.372	35.71	54.00	-18.29	RMS	9	334	Horizontal
5453.636	36.65	54.00	-17.35	RMS	93	121	Vertical
5458.646	37.20	54.00	-16.80	RMS	80	386	Horizontal
5469.349	49.64	68.20	-18.56	Peak	75	396	Horizontal
5482.398	48.92	68.20	-19.28	Peak	357	390	Vertical

Table 110 - 5245 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

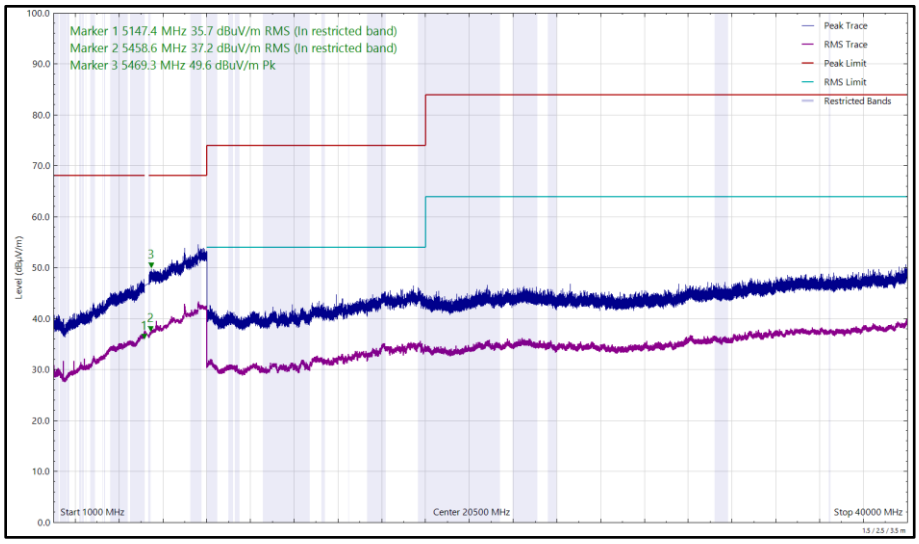

Figure 233 - 5245 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

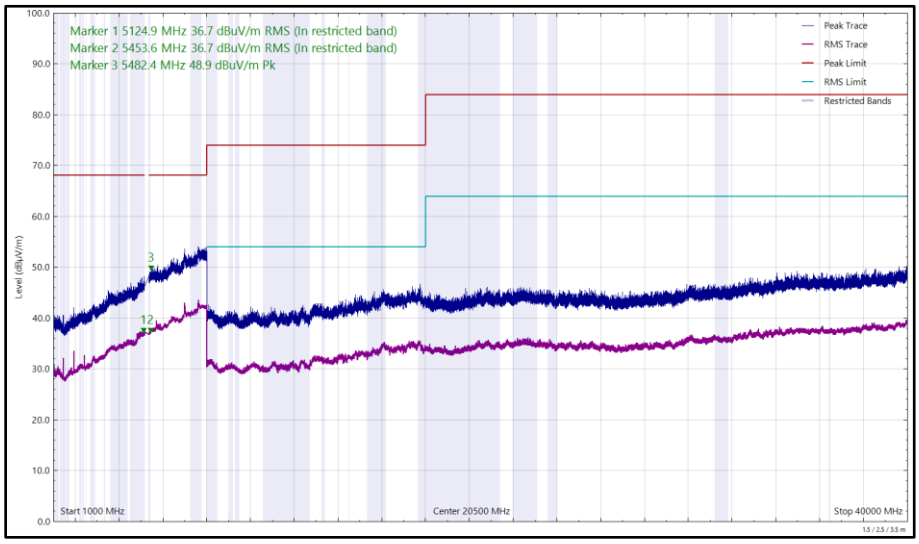

Figure 234 - 5245 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation

	(dBµV/m)	(dBµV/m)					
5323.580	50.77	68.20	-17.43	Peak	2	269	Vertical
5459.365	36.44	54.00	-17.56	RMS	10	400	Horizontal
5459.510	36.56	54.00	-17.44	RMS	7	107	Vertical
5709.160	49.20	68.20	-19.00	Peak	350	132	Horizontal
5868.683	49.78	68.20	-18.42	Peak	289	102	Vertical
5989.216	49.08	68.20	-19.12	Peak	122	100	Horizontal

Table 111 - 5733 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

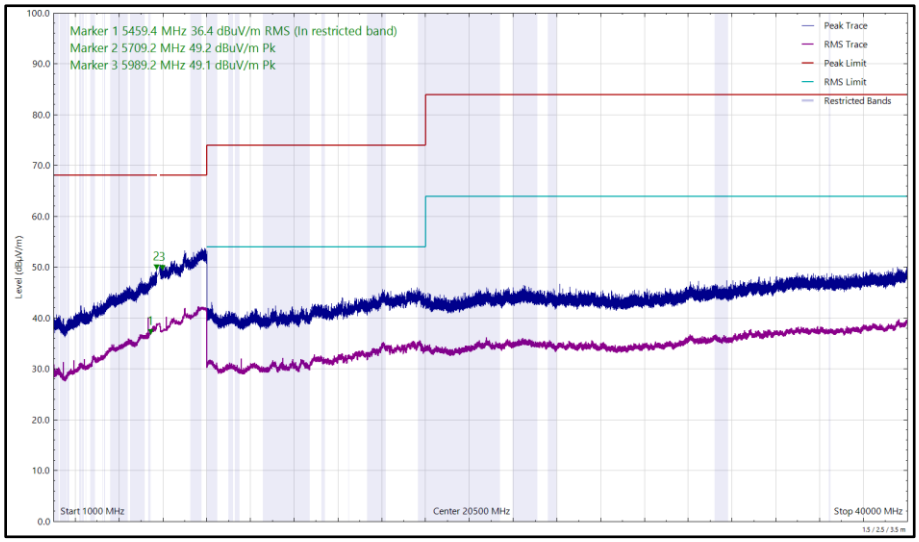

Figure 235 - 5733 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

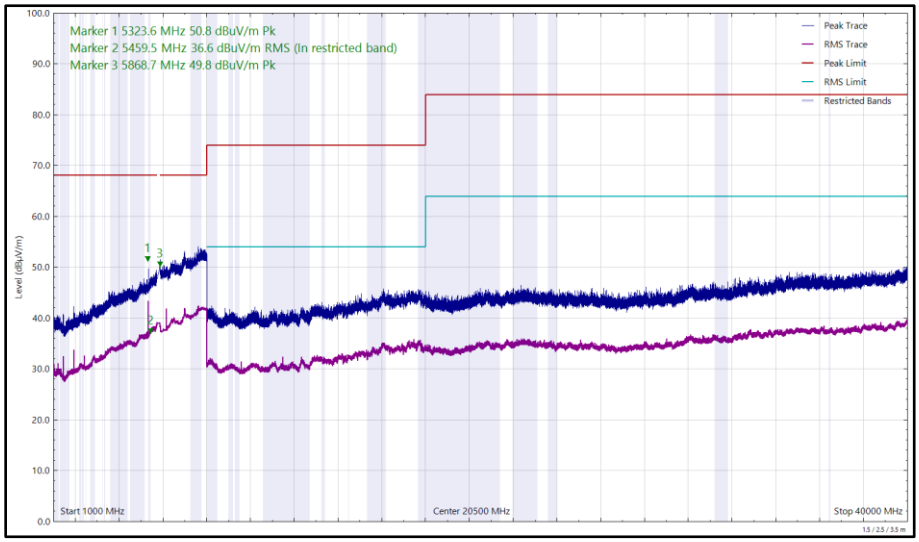

Figure 236 - 5733 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level	Limit	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation

	(dBµV/m)	(dBµV/m)					
30.294	23.09	40.00	-16.91	Q-Peak	290	103	Vertical
5374.515	46.02	54.00	-7.98	RMS	0	256	Vertical
5398.303	36.17	54.00	-17.83	RMS	343	100	Horizontal
5703.984	50.88	68.20	-17.32	Peak	356	120	Vertical
5719.542	49.55	68.20	-18.65	Peak	6	203	Horizontal
5850.904	50.56	68.20	-17.64	Peak	188	256	Vertical
5866.847	50.54	68.20	-17.66	Peak	212	131	Horizontal

Table 112 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

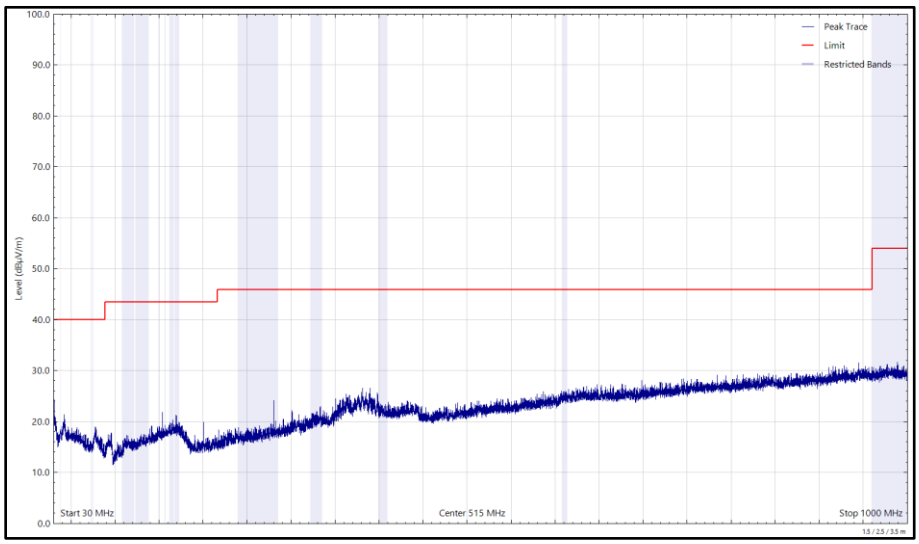

Figure 237 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

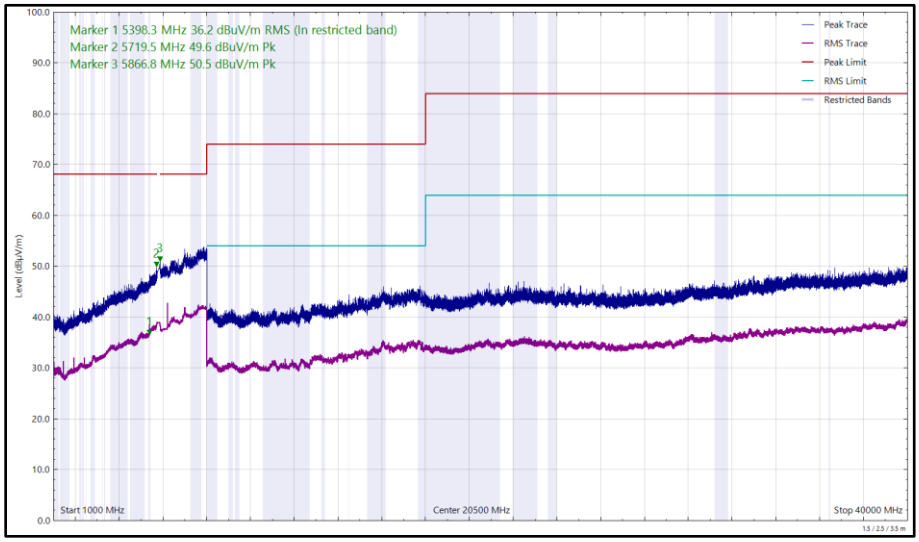

Figure 238 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

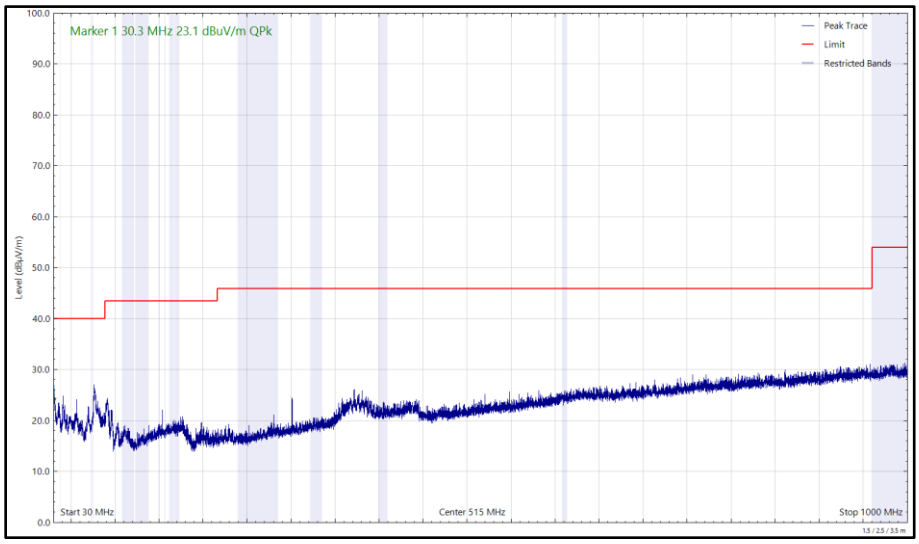

Figure 239 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

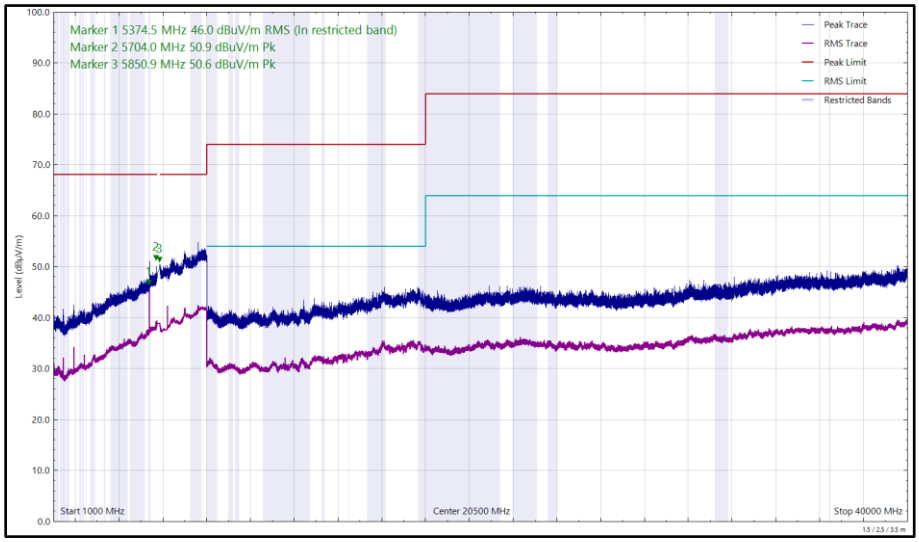

Figure 240 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5426.555	45.89	54.00	-8.11	RMS	0	288	Vertical
5426.655	40.33	54.00	-13.67	RMS	66	394	Horizontal
5710.747	49.62	68.20	-18.58	Peak	55	166	Horizontal
5723.114	50.01	68.20	-18.19	Peak	10	372	Vertical
5865.567	50.82	68.20	-17.38	Peak	279	100	Vertical
5877.091	50.22	68.20	-17.98	Peak	124	297	Horizontal

Table 113 - 5844 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

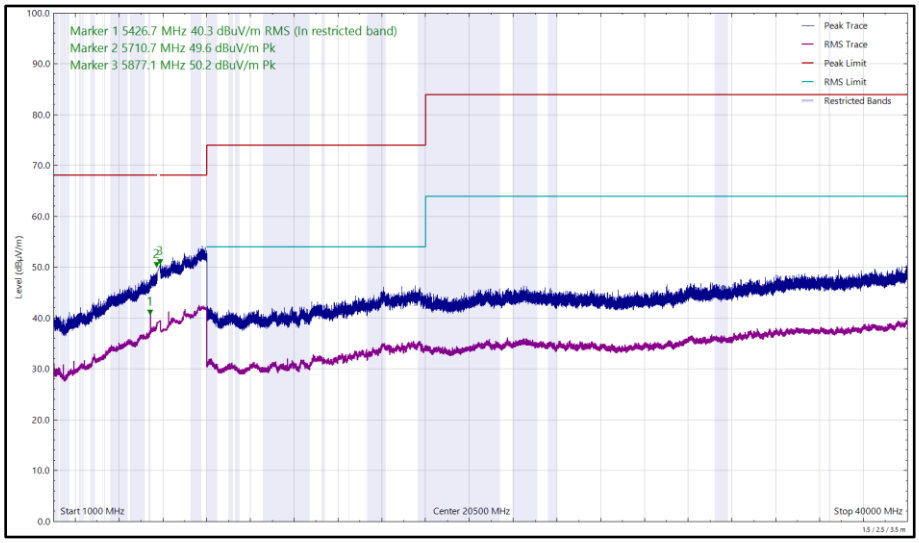

Figure 241 - 5844 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

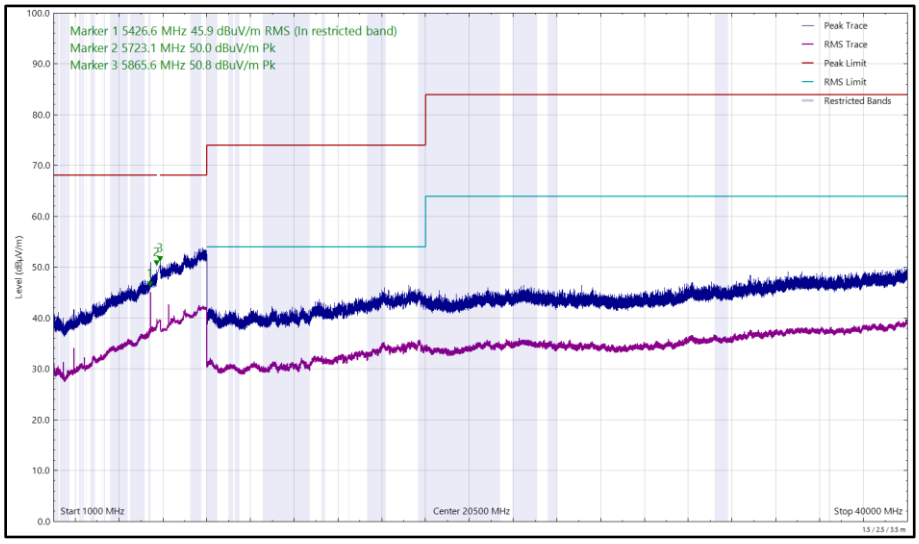

Figure 242 - 5844 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5119.484	38.01	54.00	-15.99	RMS	61	363	Horizontal
5119.982	41.10	54.00	-12.90	RMS	7	357	Vertical
5401.730	39.13	54.00	-14.87	RMS	75	392	Horizontal
5401.761	41.77	54.00	-12.23	RMS	360	271	Vertical
5591.821	52.35	68.20	-15.85	Peak	333	375	Vertical
5592.040	53.62	68.20	-14.58	Peak	73	398	Horizontal

Table 114 - 5162 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

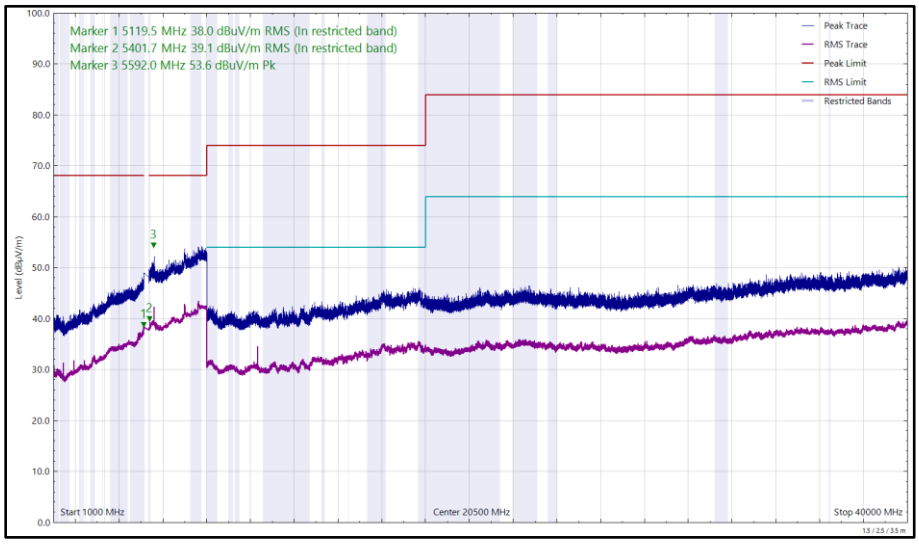

Figure 243 - 5162 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

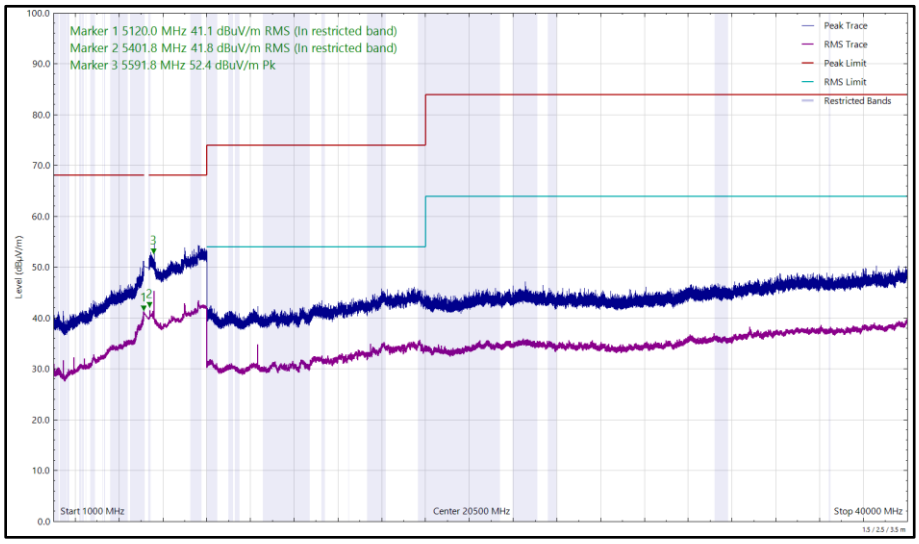

Figure 244 - 5162 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
941.436	28.88	46.00	-17.12	Q-Peak	150	330	Vertical
5149.719	37.98	54.00	-16.02	RMS	76	322	Horizontal
5149.811	40.56	54.00	-13.44	RMS	12	335	Vertical
5442.580	38.59	54.00	-15.41	RMS	66	299	Horizontal
5443.140	41.85	54.00	-12.15	RMS	359	294	Vertical
5635.981	53.17	68.20	-15.03	Peak	72	395	Horizontal
5636.131	54.61	68.20	-13.59	Peak	360	275	Vertical

Table 115 - 5203 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

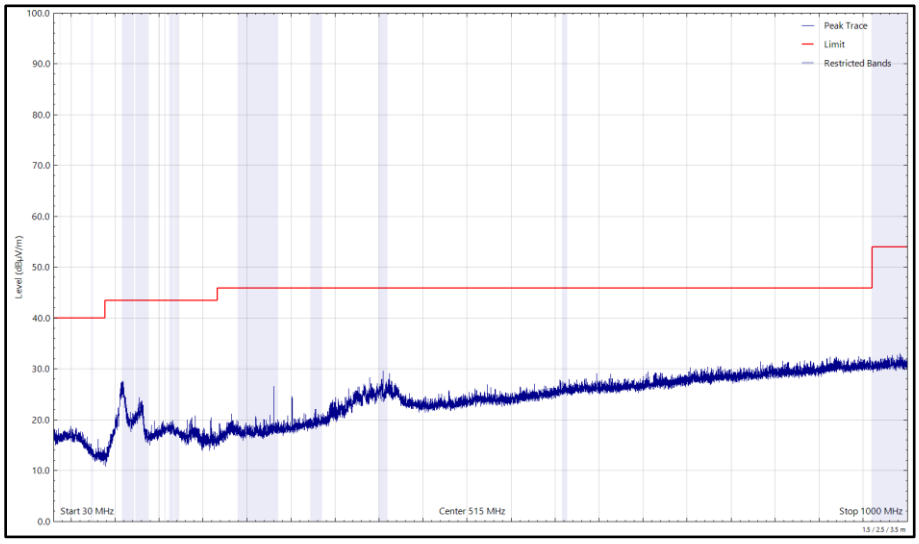

Figure 245 - 5203 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

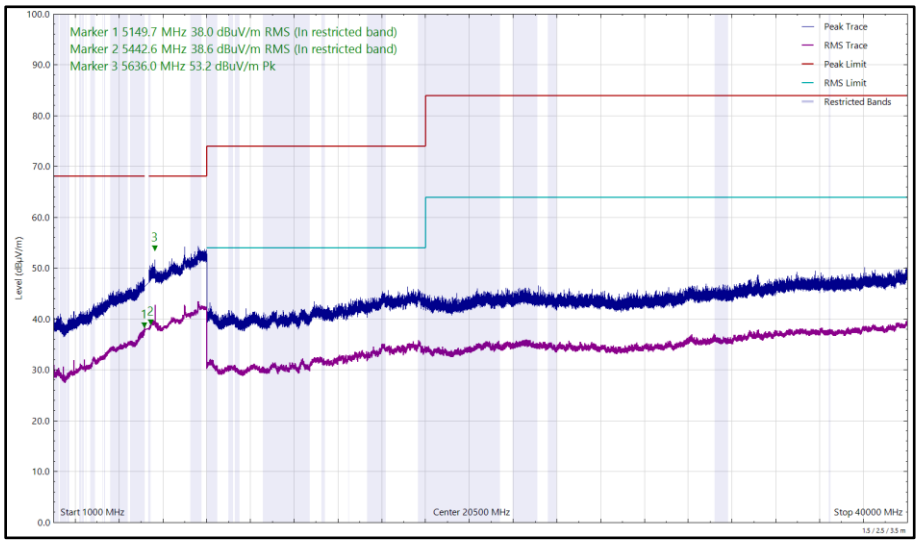

Figure 246 - 5203 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

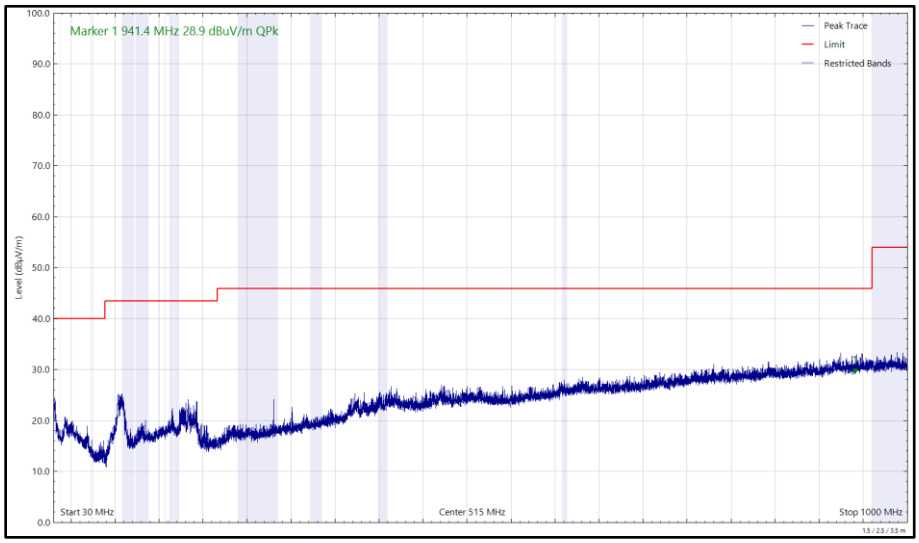

Figure 247 - 5203 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

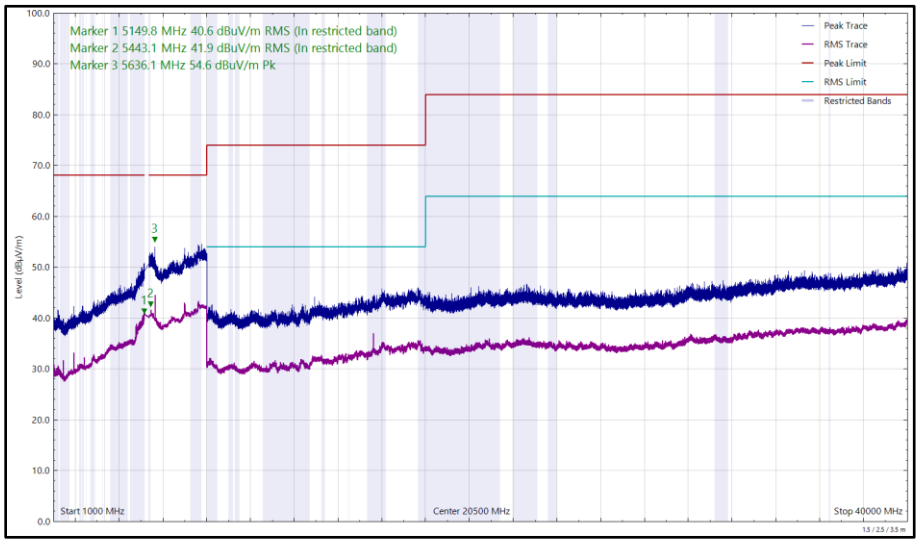

Figure 248 - 5203 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4808.000	40.66	54.00	-13.34	RMS	0	363	Vertical
5149.108	36.27	54.00	-17.73	RMS	112	394	Horizontal
5393.826	41.19	54.00	-12.81	RMS	360	286	Vertical
5459.914	38.82	54.00	-15.18	RMS	73	344	Horizontal
5507.878	52.76	68.20	-15.44	Peak	357	278	Vertical
5523.122	51.15	68.20	-17.05	Peak	75	378	Horizontal
15734.885	35.62	54.00	-18.38	RMS	163	133	Vertical

Table 116 - 5245 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

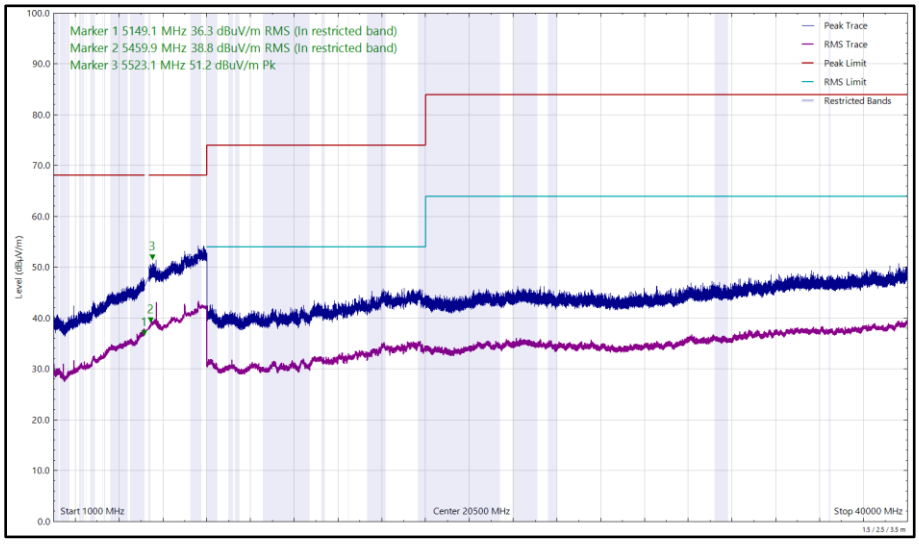

Figure 249 - 5245 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

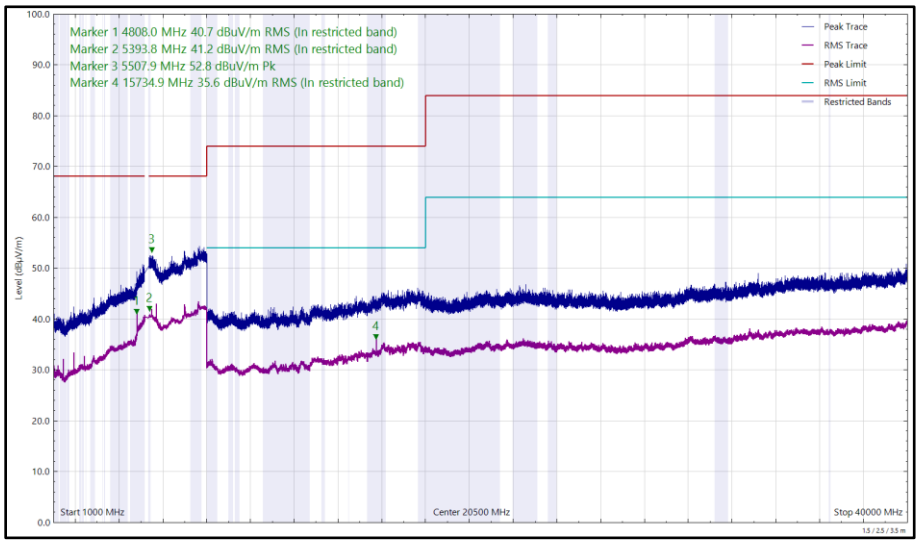

Figure 250 - 5245 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4913.985	40.41	54.00	-13.59	RMS	10	348	Vertical
5323.250	57.77	68.20	-10.43	Peak	8	266	Vertical
5323.495	53.94	68.20	-14.26	Peak	74	308	Horizontal
5402.532	41.54	54.00	-12.46	RMS	358	280	Vertical
5459.940	39.25	54.00	-14.75	RMS	75	347	Horizontal
6142.080	53.69	68.20	-14.51	Peak	335	288	Vertical
6142.809	53.11	68.20	-15.09	Peak	74	399	Horizontal

Table 117 - 5733 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

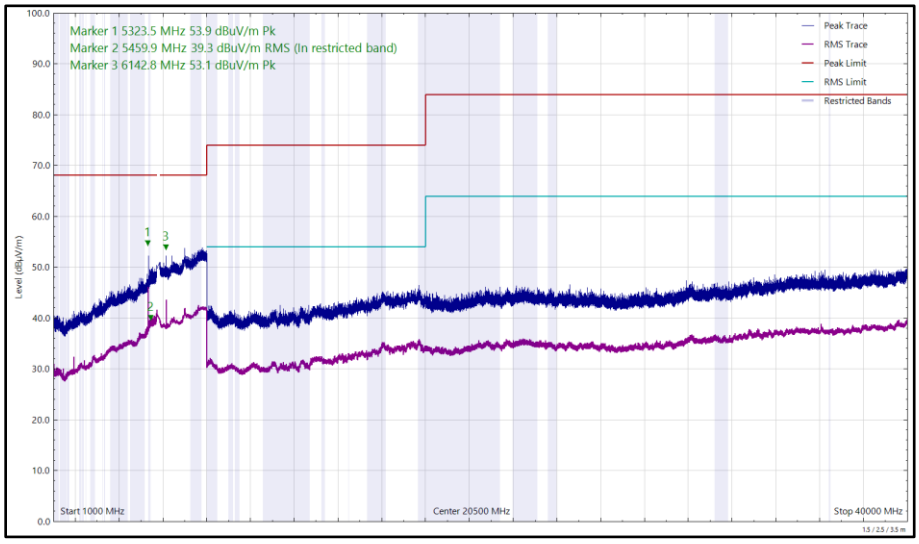

Figure 251 - 5733 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

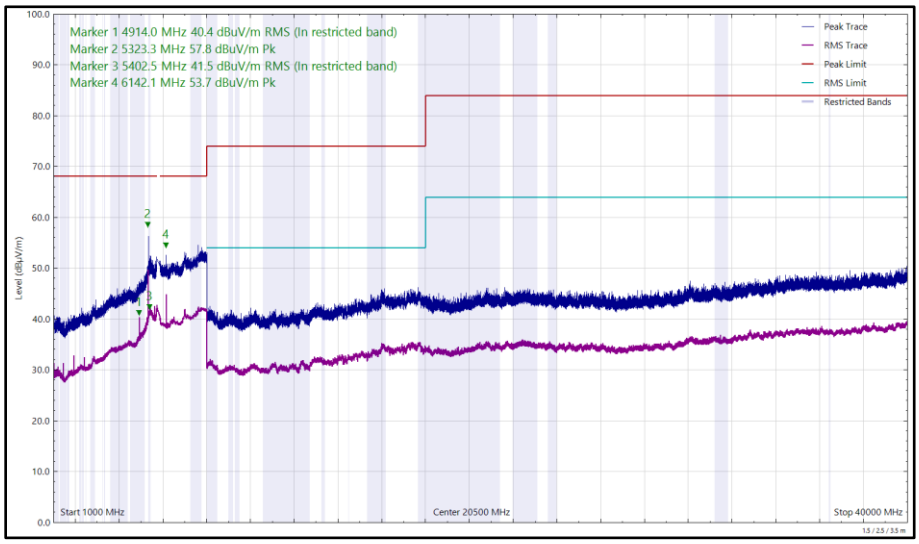

Figure 252 - 5733 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4961.055	40.41	54.00	-13.59	RMS	0	362	Vertical
5374.390	58.23	74.00	-15.77	Peak	354	262	Vertical
5374.495	42.65	54.00	-11.35	RMS	64	346	Horizontal
5374.560	49.10	54.00	-4.90	RMS	0	301	Vertical
5461.036	53.64	68.20	-14.56	Peak	360	262	Vertical
5867.890	49.92	68.20	-18.28	Peak	360	366	Vertical

Table 118 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

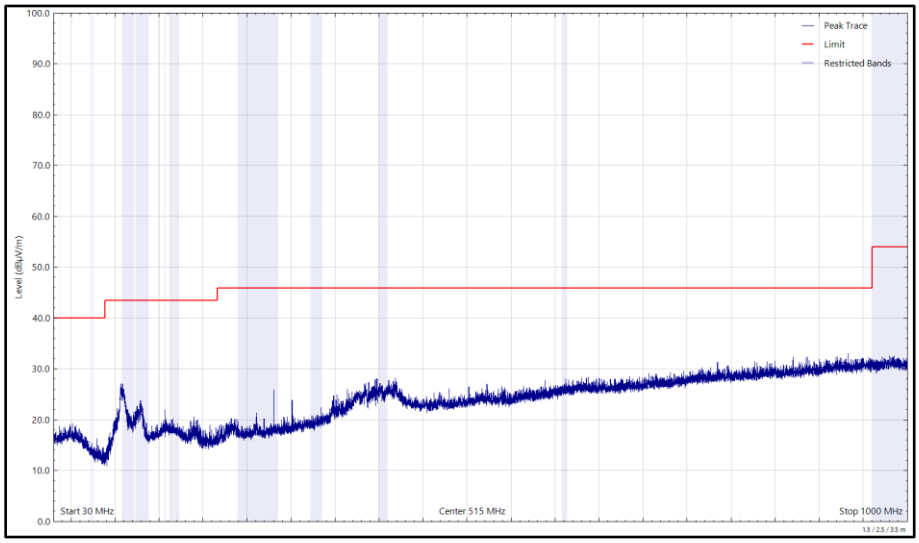

Figure 253 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

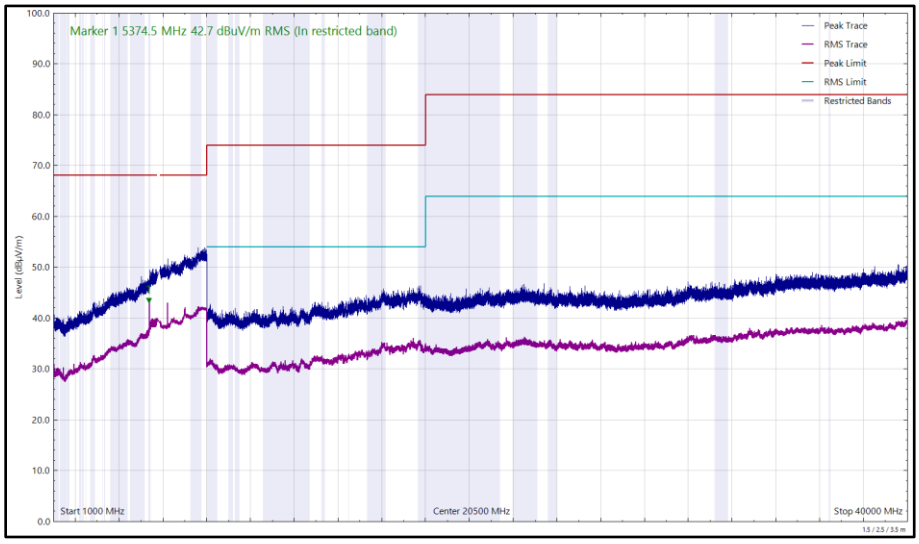

Figure 254 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

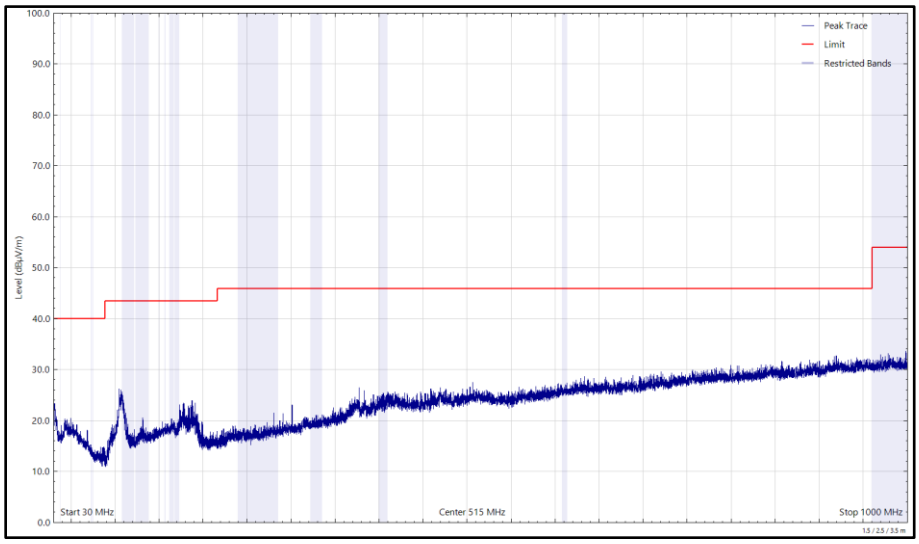

Figure 255 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

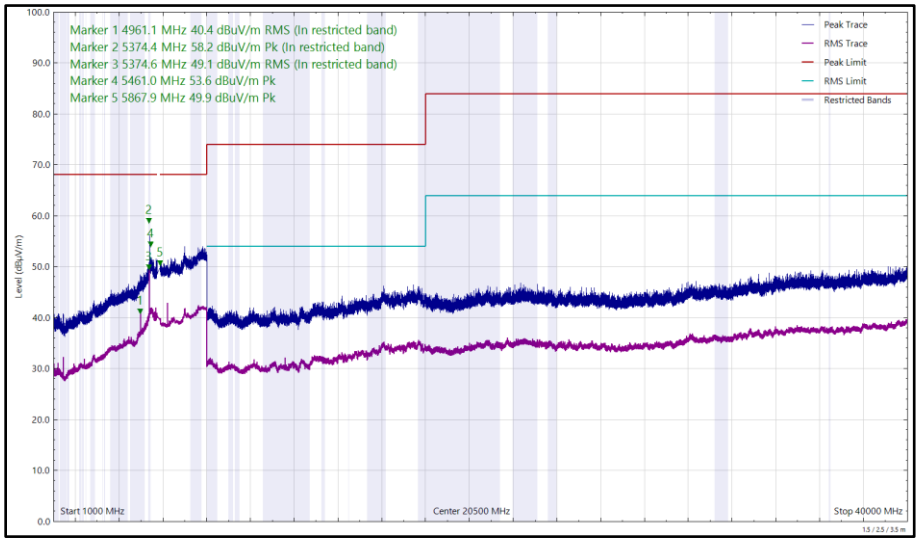

Figure 256 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4398.133	34.24	54.00	-19.76	RMS	51	371	Horizontal
5009.040	35.53	54.00	-18.47	RMS	296	254	Horizontal
5009.160	41.13	54.00	-12.87	RMS	360	256	Vertical
5426.540	47.03	54.00	-6.97	RMS	65	366	Horizontal
5426.585	51.68	54.00	-2.32	RMS	360	271	Vertical
5427.000	59.02	74.00	-14.98	Peak	0	271	Vertical
5485.717	53.75	68.20	-14.45	Peak	360	280	Vertical
5713.562	51.82	68.20	-16.38	Peak	71	395	Horizontal
5865.263	53.15	68.20	-15.05	Peak	68	381	Horizontal
5876.575	51.05	68.20	-17.15	Peak	360	122	Vertical

Table 119 - 5844 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

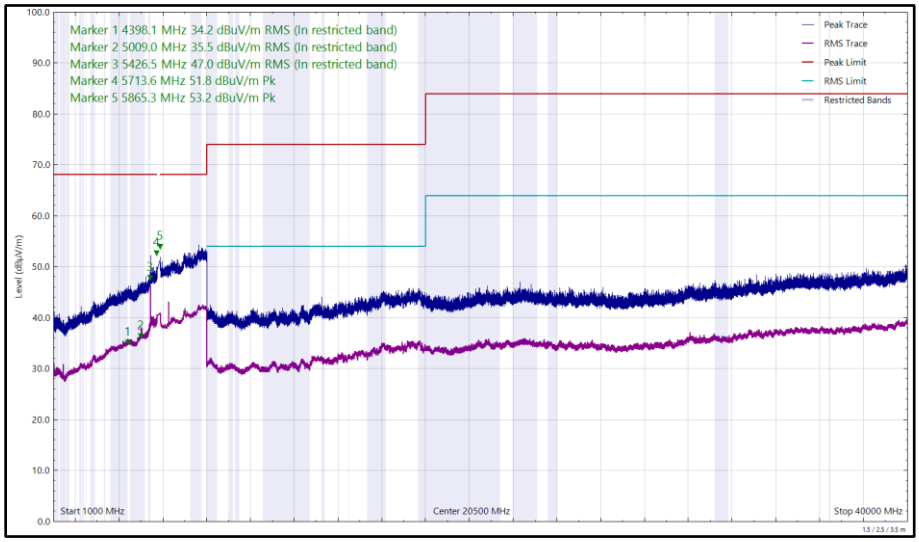

Figure 257 - 5844 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

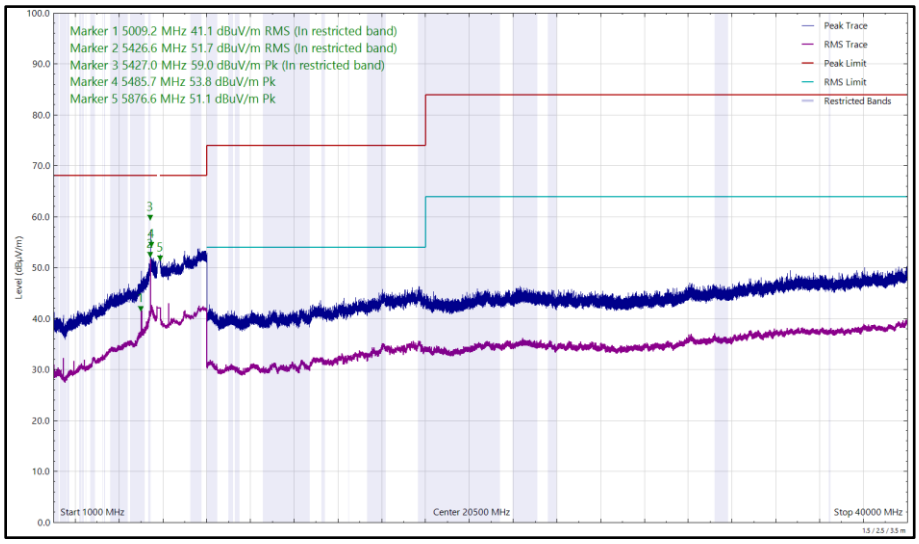

Figure 258 - 5844 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

<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 120 - Radiated Emissions Limit Table (FCC)

2.6.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15, RF Chamber 17 and RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
Thermo-Hygro-Barometer	TUV SUD	PCE Instruments	5741	12	07-May-2025
Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-May-2025
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5933	12	10-Jun-2025
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5935	12	10-Jun-2025
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5939	12	05-May-2025
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5943	24	24-May-2026
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	28-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5964	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5966	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5967	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5968	-	TU
Cable (N to N 8m)	Junkosha	MWX221-08000NMSNMS/A	6006	12	20-May-2025
Cable (N to N 3m)	Junkosha	MWX221-03000NMSNMS/A	6025	12	20-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	05-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	05-May-2025
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
Digital Multimeter	Fluke	115	6147	12	06-Jun-2025
Humidity & Temperature meter	R.S Components	1364	6149	12	12-Aug-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	22-Dec-2024
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2024
Pre-Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6198	12	03-Jun-2025
Attenuator 4dB	Pasternack	PE7074-4	6201	24	24-May-2026
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	23-Apr-2025
USB Spectrum Analyser	Signal Hound	SA124B	6296	-	TU
USB Spectrum Analyser	Signal Hound	SA124B	6297	-	TU
USB Spectrum Analyser	Signal Hound	SA124B	6298	-	TU
EMC Test Receiver	Rohde & Schwarz	ESW44	6333	12	16-Feb-2025
Digital Multimeter	Fluke	115	6345	12	24-Jul-2025

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Humidity and Temperature Meter	R.S Components	1364	6346	12	06-Mar-2025
8 GHz High Pass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6427	12	23-Apr-2025
Coax cable sma to sma with N-Type adapter	TUV SUD	N/A	6637	12	23-Apr-2025
AC Power Supply	iTech	IT7324	6657	-	O/P Mon
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	28-Jan-2026
Mast and Turntable Controller	Maturo Gmbh	FCU3.0	6659	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6660	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6661	-	TU
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6740	12	01-Feb-2025
6.5m Cable	Junkosha	MWX221-06500AMSAMS/B	6744	12	01-Feb-2025
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6771	24	17-Jan-2025
Pre-Amp 8 - 18 GHz	Wright Technologies	APS06-0061	6783	12	23-Apr-2025
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	07-Feb-2026
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	29-May-2025
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6834	12	14-Aug-2025

Table 121

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

3 Measurement Uncertainty

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

Test Name	Measurement Uncertainty
Restricted Band Edges	± 6.3 dB
Emission Bandwidth	± 73.60 kHz
Maximum Conducted Output Power	± 1.38 dB
Maximum Conducted Power Spectral Density	± 1.49 dB
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

Table 122

Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.