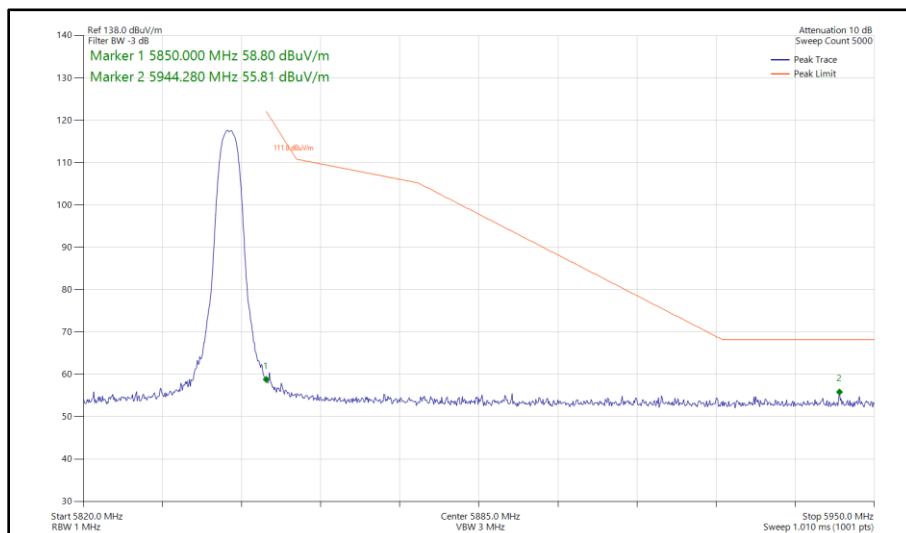
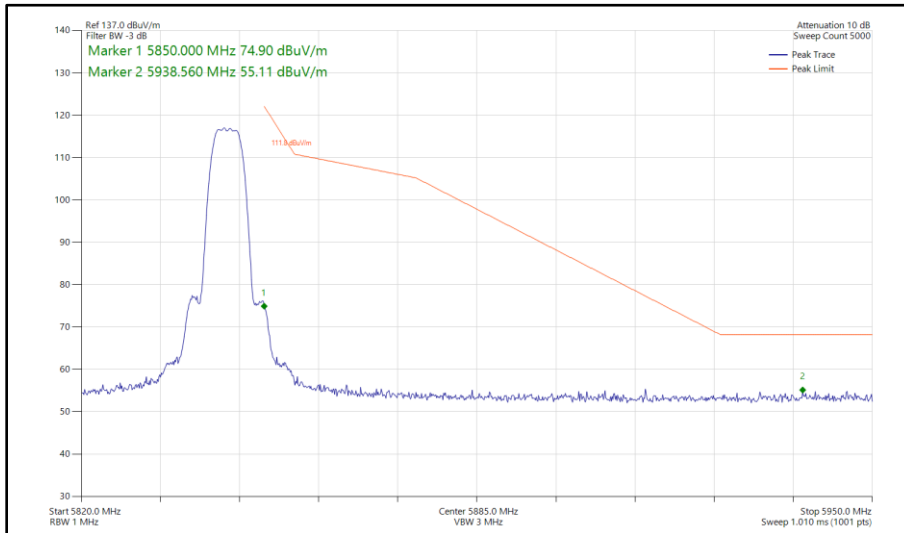


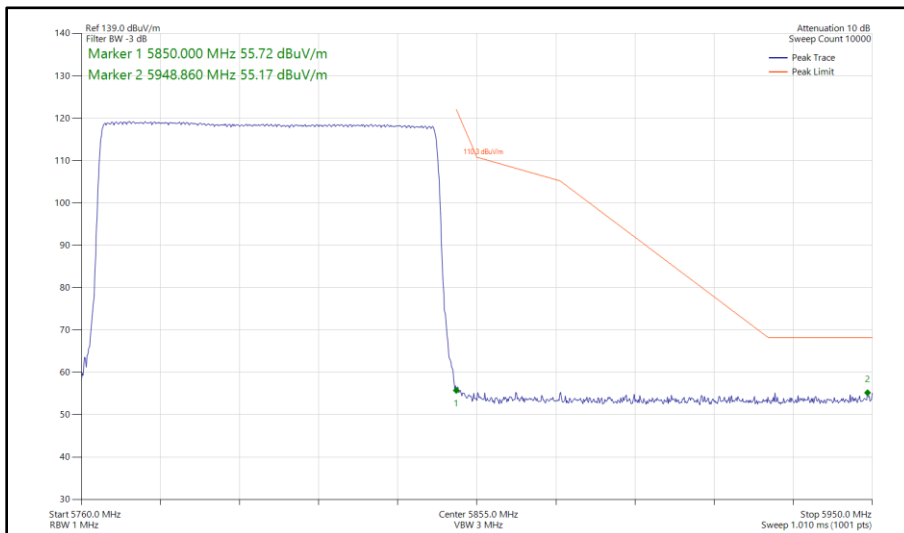
**Figure 213 - Bluetooth HDR8, SISO, Core 1 - 5733-5811 MHz
Band Edge Frequency 5725 MHz**



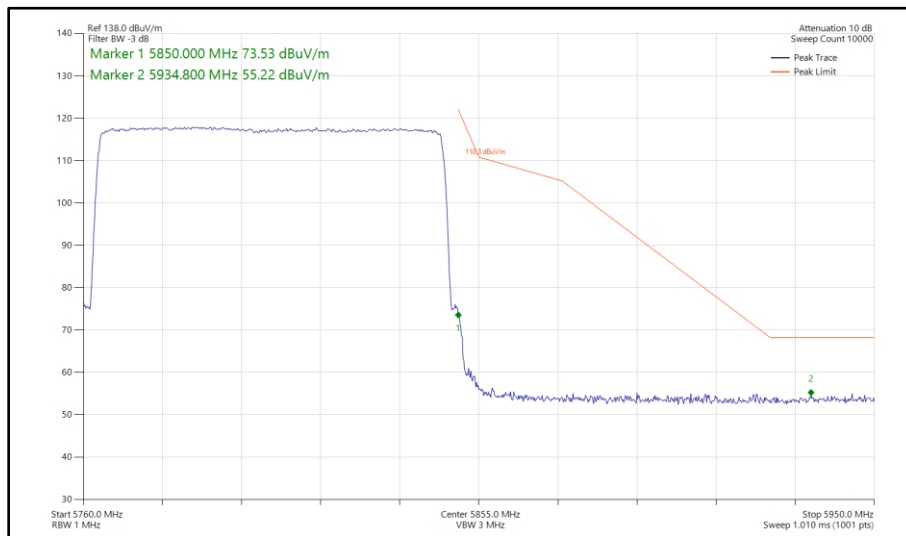
**Figure 214 - Bluetooth HDR4, SISO, Core 1 - 5844 MHz
Band Edge Frequency 5850 MHz**



**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**



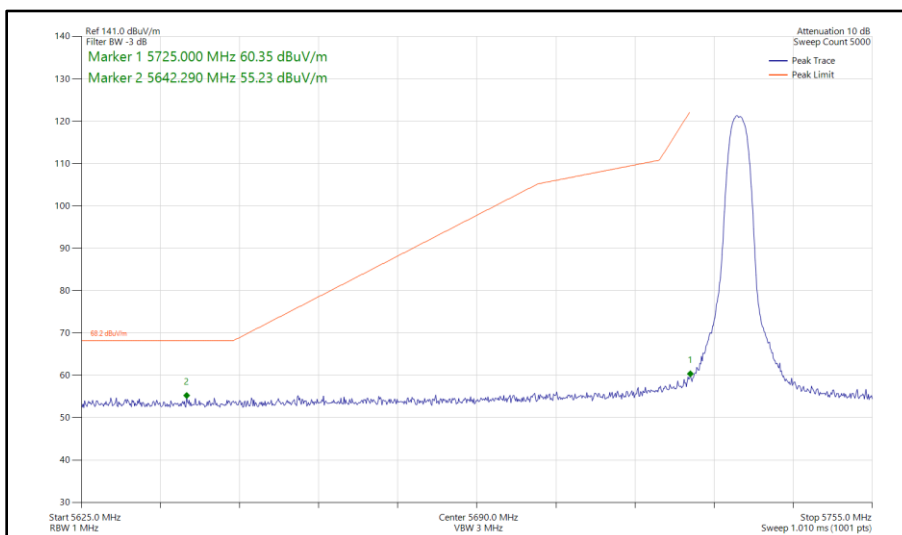
**Figure 217 - Bluetooth HDR8, SISO, Core 1 - 5766-5844 MHz
Band Edge Frequency 5850 MHz**



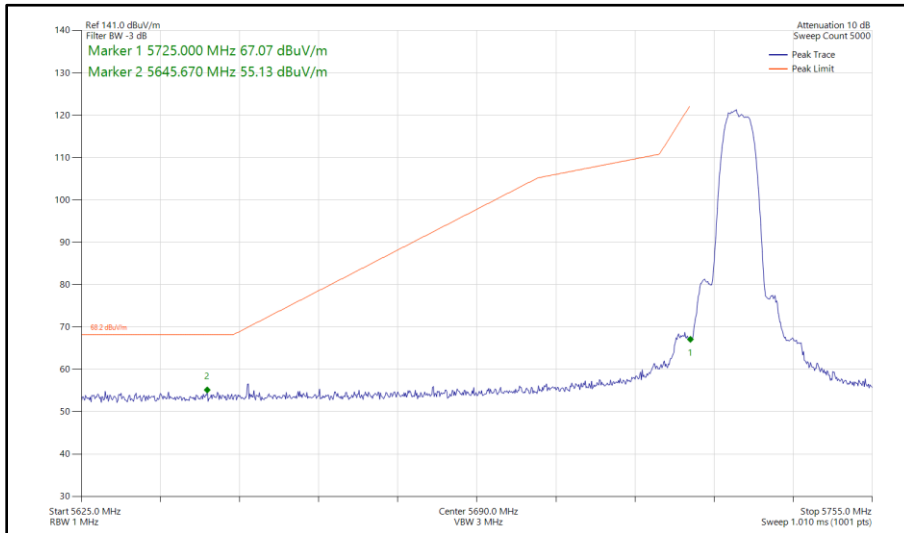
ePA - Core 0 - Core 1 (MIMO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)
Static	HDR4	5733	5725	55.23
Static	HDR8	5733	5725	55.13
Hopping	HDR4	5733-5811	5725	55.07
Hopping	HDR8	5733-5811	5725	55.50
Static	HDR4	5844	5850	56.00
Static	HDR8	5844	5850	55.52
Hopping	HDR4	5766-5844	5850	57.35
Hopping	HDR8	5766-5844	5850	55.46

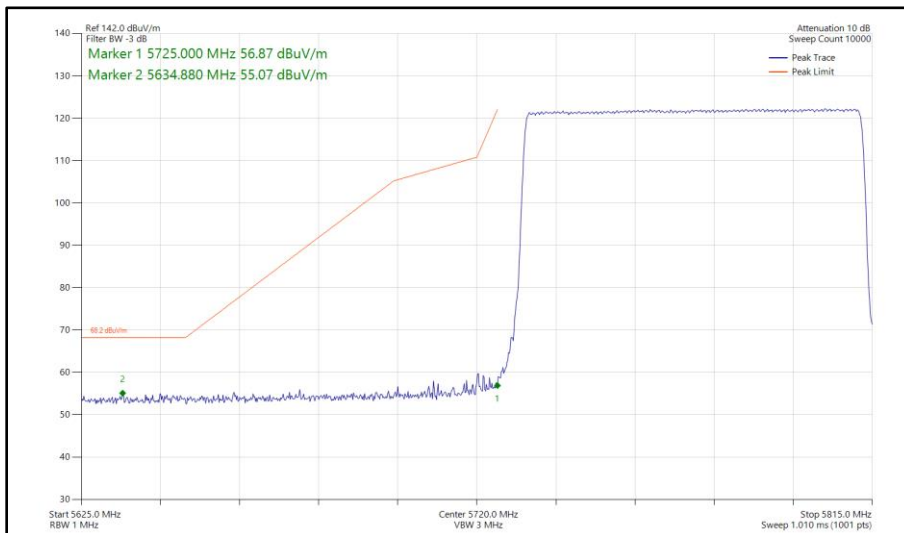
Table 105 - MIMO Authorised Band Edge Results



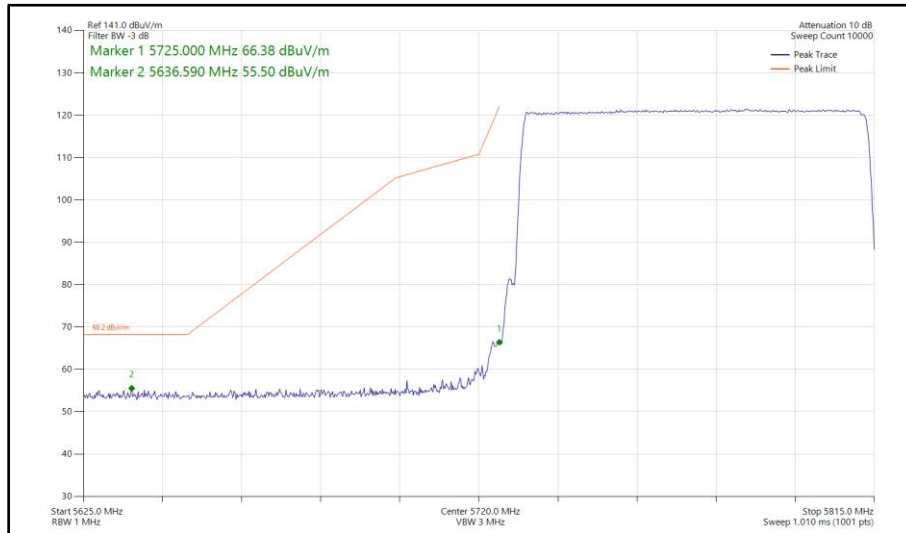
**Figure 218 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5733 MHz
 Band Edge Frequency 5725 MHz**



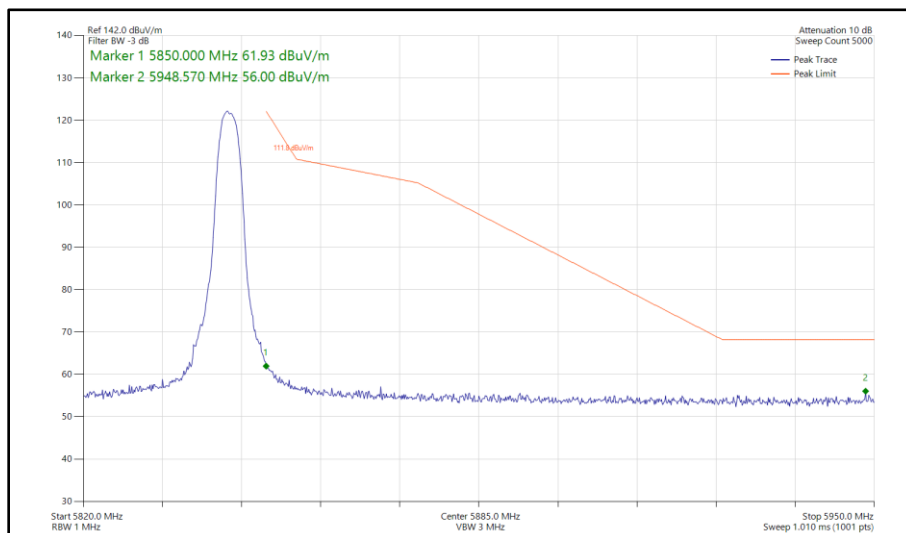
**Figure 219 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5733 MHz
Band Edge Frequency 5725 MHz**



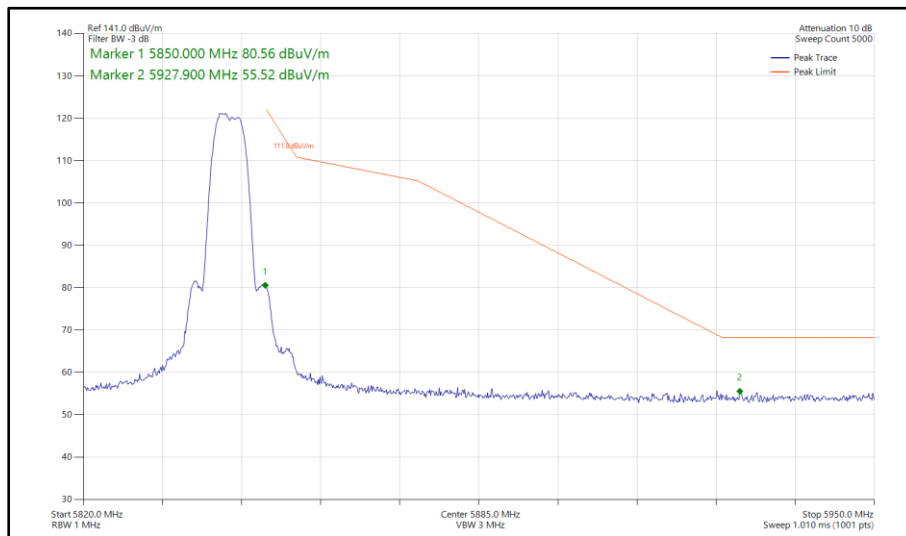
**Figure 220 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5733-5811 MHz
Band Edge Frequency 5725 MHz**



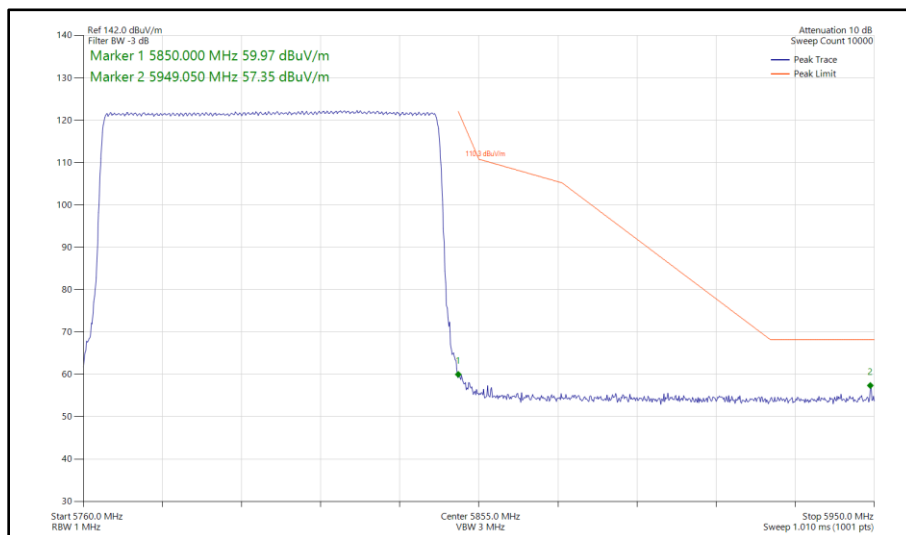
**Figure 221 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5733-5811 MHz
Band Edge Frequency 5725 MHz**



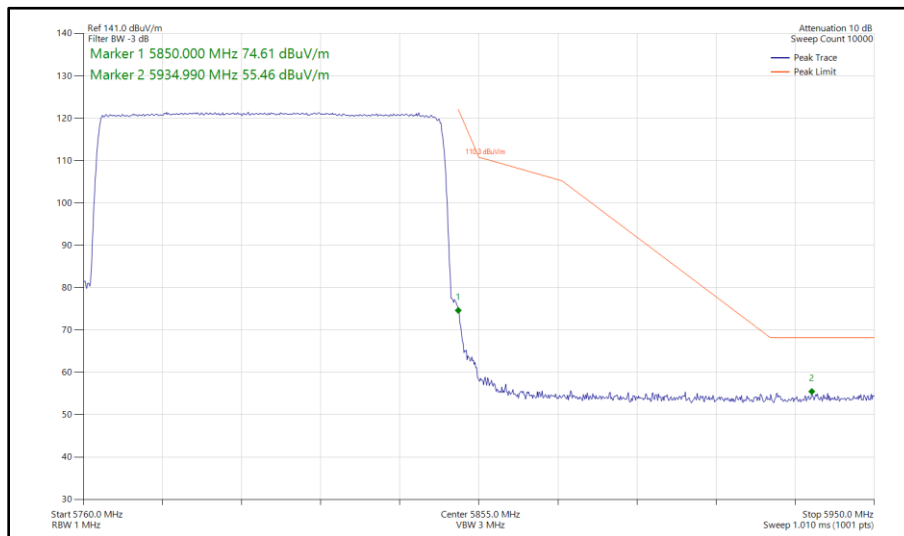
**Figure 222 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5844 MHz
Band Edge Frequency 5850 MHz**



**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 16.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	O/P Mon
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	24-May-2025
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5973	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5974	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5975	-	TU
Cable (N to N 7m)	Junkosha	MWX221-07000NMSNMS/B	6005	12	20-May-2025
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6018	12	10-Jun-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	05-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	05-May-2025
Digital Multimeter	Fluke	115	6146	12	06-Jun-2025
Humidity & Temperature meter	R.S Components	1364	6148	12	29-Jul-2025
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	06-Jan-2025
Cable (SMA to SMA 8m)	Junkosha	MWX221-08000AMSAMS/B	6319	12	04-Feb-2025
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	07-May-2025

Table 106

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

A3185, S/N: LD12H296C1 - Modification State 0
A3185, S/N: GX224MWRCX - Modification State 0

2.6.3 Date of Test

15-August-2024 to 10-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 dB μ V/m to μ V/m:
 $10^{(\text{Field Strength in dB}\mu\text{V/m}/20)}$.

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

Radiated spurious emissions tests have been conducted in DH5 (high power) mode in U-NII-1 as this represents worst case with respect to Power and PSD.

2.6.5 Test Setup Diagram

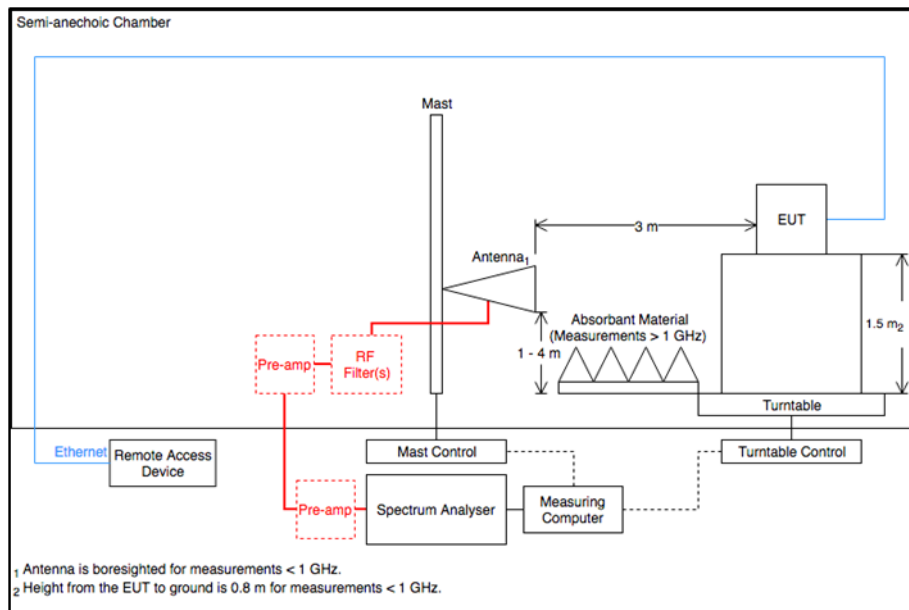


Figure 226 - Radiated Emissions Test Setup Diagram

2.6.6 Environmental Conditions

Ambient Temperature	20.5 - 24.2 °C
Relative Humidity	38.6 - 53.5 %



2.6.7 Test Results

Narrowband

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1202.440	35.57	54.00	-18.43	RMS	156	158	Vertical
1440.149	34.60	54.00	-19.40	RMS	146	131	Vertical
5119.769	37.88	54.00	-16.12	RMS	334	310	Vertical
5119.791	37.18	54.00	-16.82	RMS	261	266	Horizontal
5402.060	39.44	54.00	-14.56	RMS	354	231	Vertical
5447.515	38.16	54.00	-15.84	RMS	230	360	Horizontal
5492.979	50.03	68.20	-18.17	Peak	326	385	Horizontal
5497.979	51.72	68.20	-16.48	Peak	358	352	Vertical

Table 107 - 5162 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 20 dB of the limit.

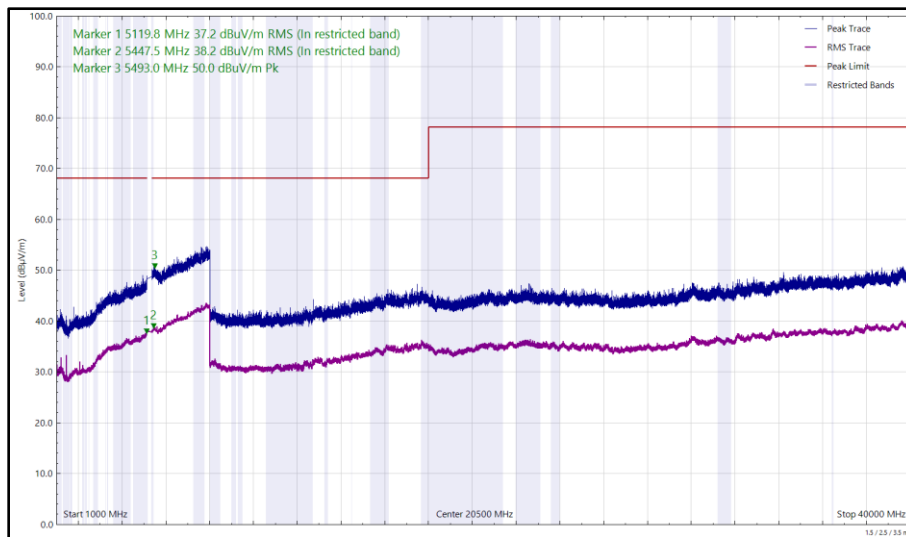


Figure 227 - 5162 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

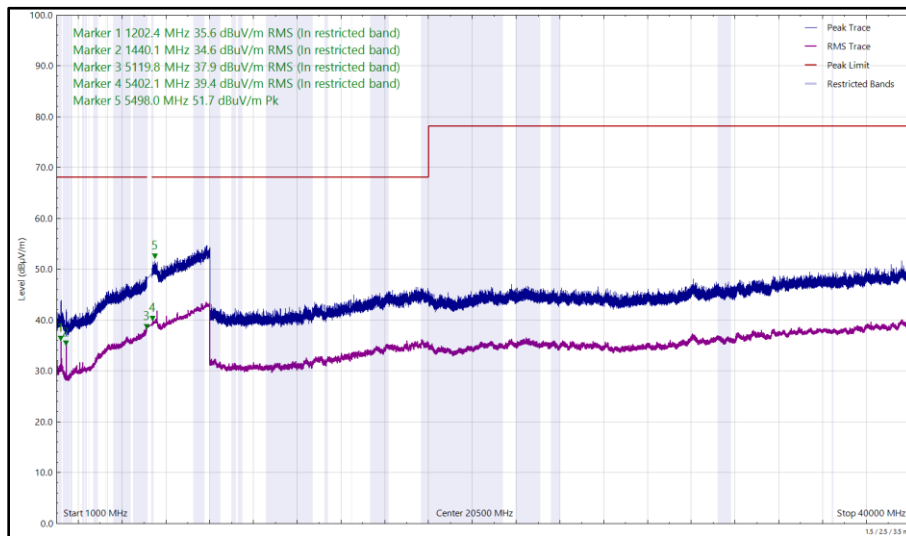


Figure 228 - 5162 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5129.094	35.48	54.00	-18.52	RMS	136	350	Horizontal
5131.241	35.69	54.00	-18.31	RMS	315	105	Vertical
5427.212	36.98	54.00	-17.02	RMS	55	100	Horizontal
5440.552	36.98	54.00	-17.02	RMS	204	193	Vertical
5503.716	48.91	68.20	-19.29	Peak	107	390	Horizontal
5509.253	50.27	68.20	-17.93	Peak	12	221	Vertical

Table 108 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

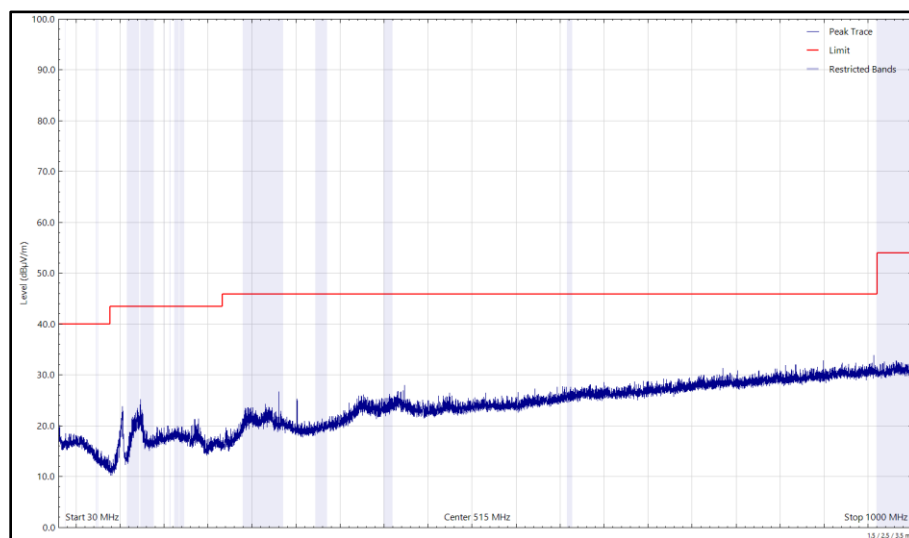


Figure 229 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

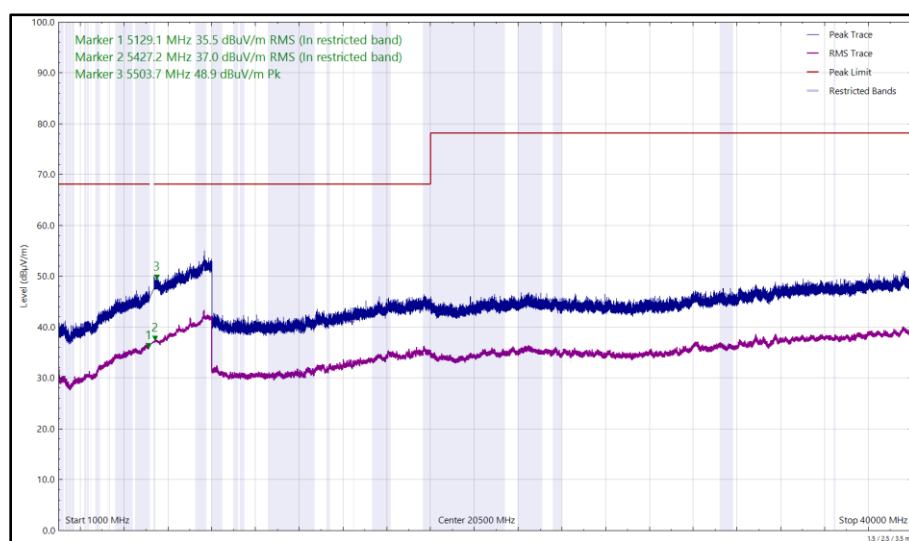


Figure 230 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

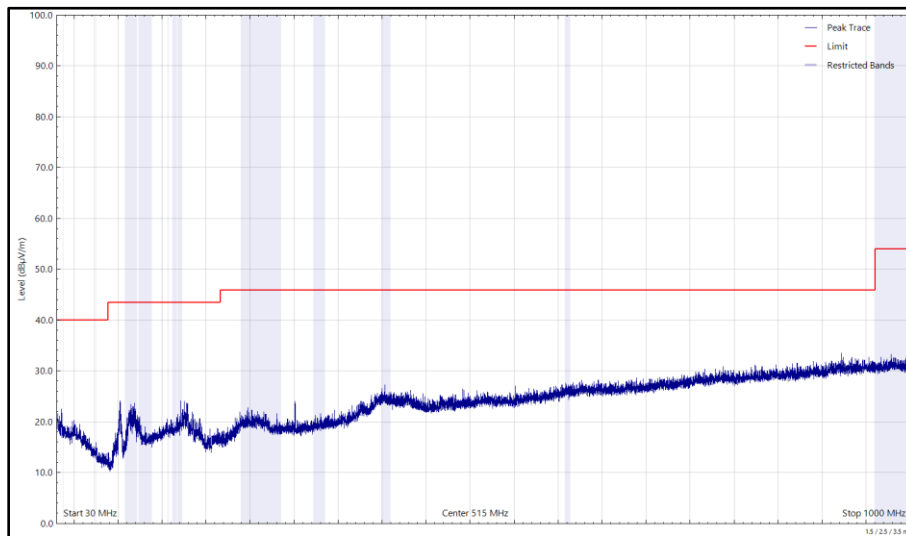


Figure 231 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

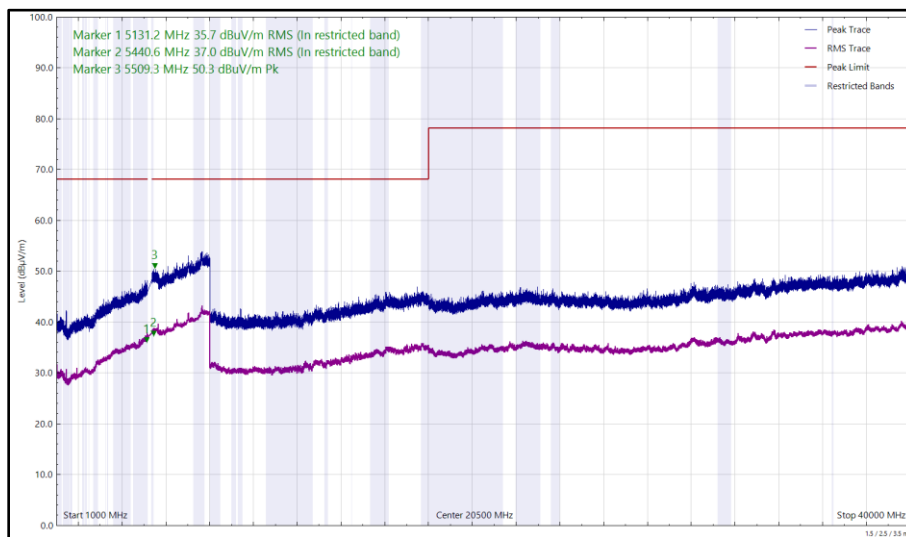


Figure 232 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4813.434	34.49	54.00	-19.51	RMS	178	400	Vertical
5130.079	35.49	54.00	-18.51	RMS	324	387	Horizontal
5149.783	37.24	54.00	-16.76	RMS	336	297	Vertical
5426.449	37.43	54.00	-16.57	RMS	29	293	Vertical
5428.266	36.92	54.00	-17.08	RMS	215	248	Horizontal
5476.645	48.65	68.20	-19.55	Peak	249	397	Vertical
5498.546	48.97	68.20	-19.23	Peak	71	380	Horizontal

Table 109 - 5245 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 20 dB of the limit.

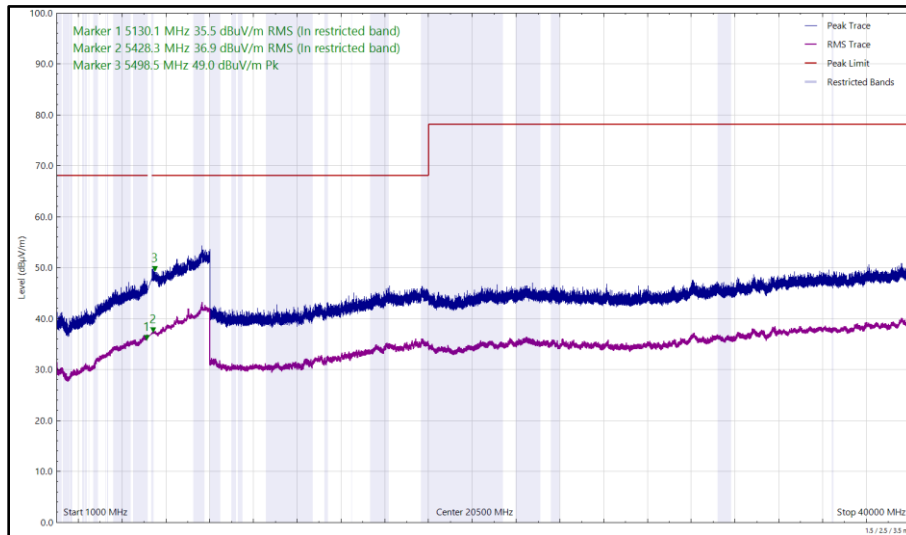


Figure 233 - 5245 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

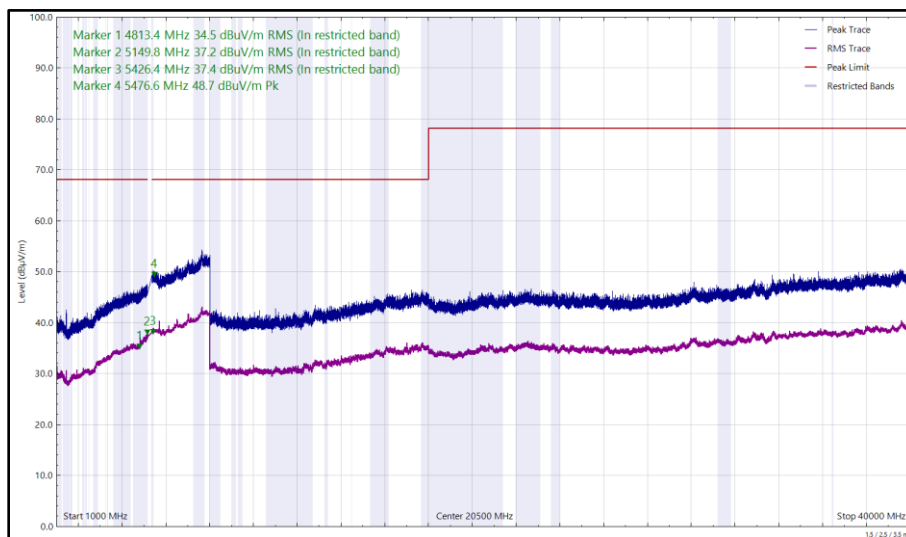


Figure 234 - 5245 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4100.775	39.80	54.00	-14.20	RMS	352	332	Vertical
5323.780	53.37	68.20	-14.83	Peak	9	328	Vertical
5428.600	36.88	54.00	-17.12	RMS	122	333	Horizontal
5429.397	38.17	54.00	-15.83	RMS	0	306	Vertical
5714.954	50.51	68.20	-17.69	Peak	52	108	Horizontal
5852.314	49.52	68.20	-18.68	Peak	203	242	Vertical
6120.681	49.01	68.20	-19.19	Peak	80	347	Horizontal

Table 110 - 5733 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 20 dB of the limit.

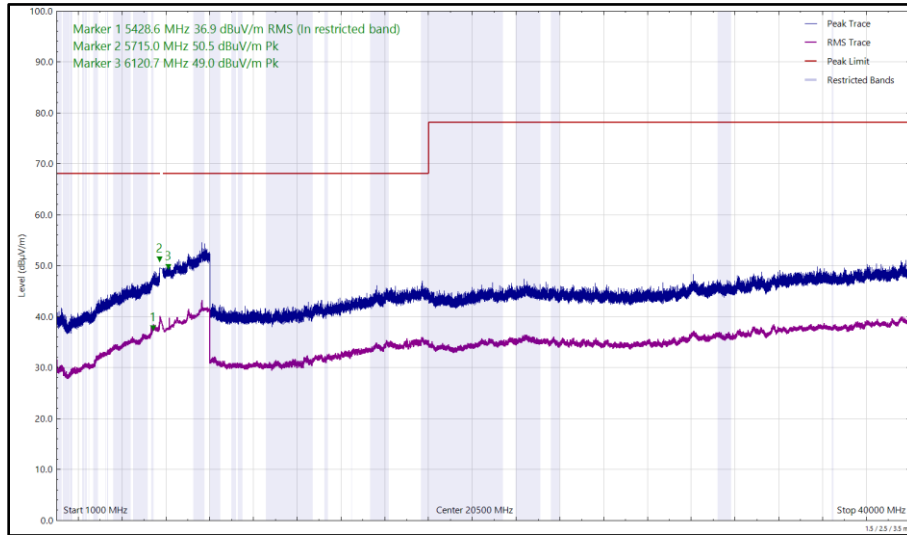


Figure 235 - 5733 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

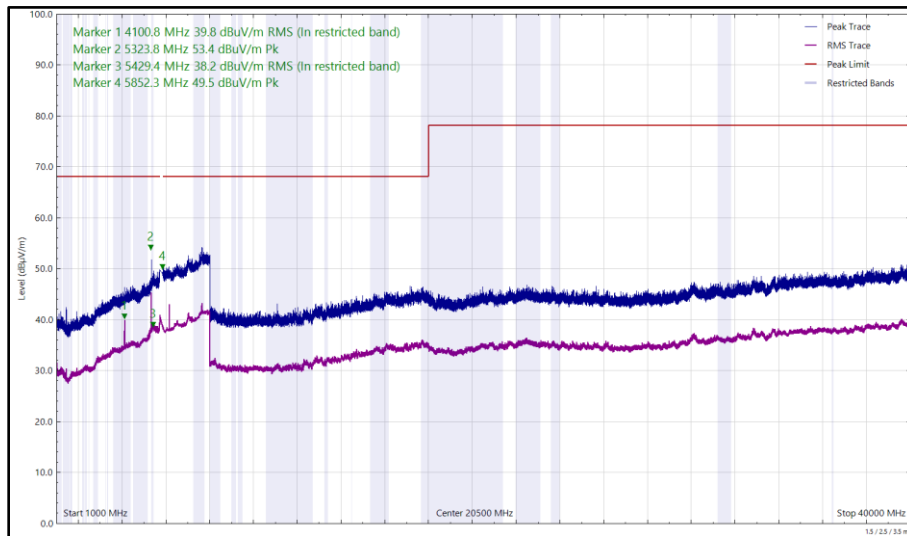


Figure 236 - 5733 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5374.505	47.13	54.00	-6.87	RMS	349	320	Vertical
5374.570	40.62	54.00	-13.38	RMS	297	338	Horizontal
5723.564	53.69	68.20	-14.51	Peak	10	344	Vertical
5724.337	52.10	68.20	-16.10	Peak	198	138	Horizontal

Table 111 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

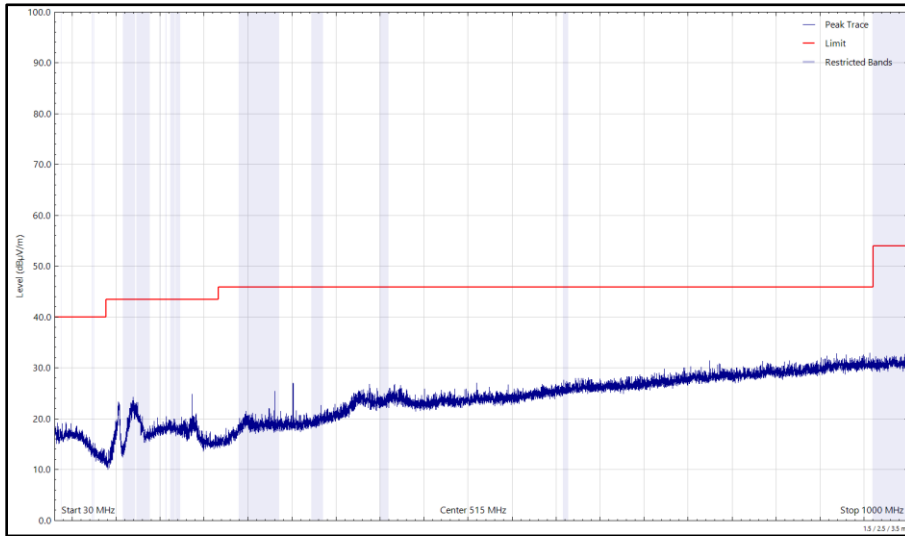


Figure 237 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

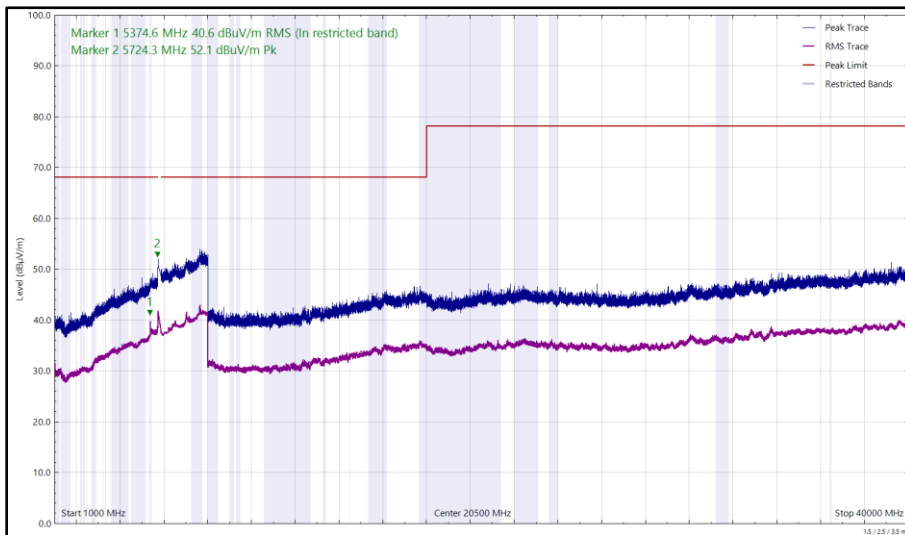


Figure 238 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

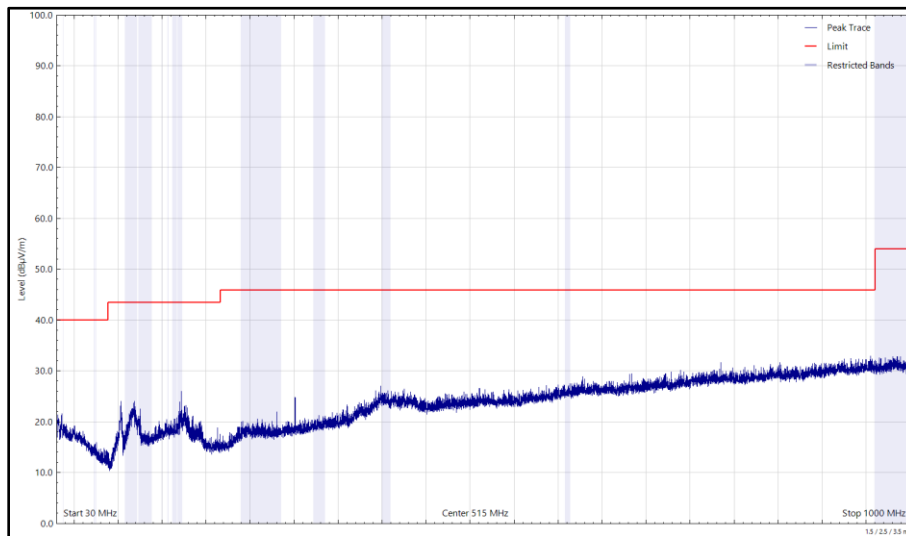


Figure 239 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

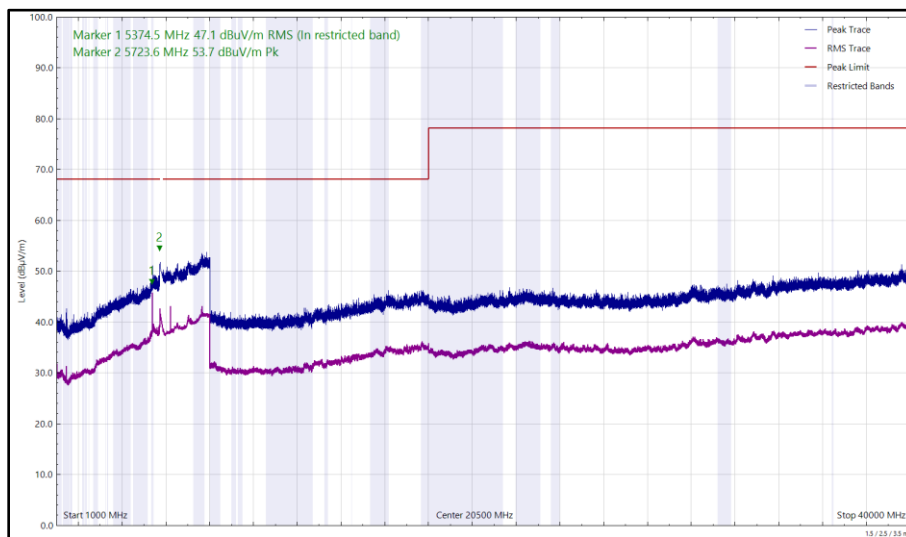


Figure 240 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5426.530	37.05	54.00	-16.95	RMS	133	318	Horizontal
5426.580	47.40	54.00	-6.60	RMS	347	324	Vertical
5719.778	52.61	68.20	-15.59	Peak	196	120	Vertical
5724.817	52.54	68.20	-15.66	Peak	123	252	Horizontal
5865.172	50.98	68.20	-17.22	Peak	194	100	Vertical
5866.376	50.85	68.20	-17.35	Peak	26	392	Horizontal

Table 112 - 5844 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 20 dB of the limit.

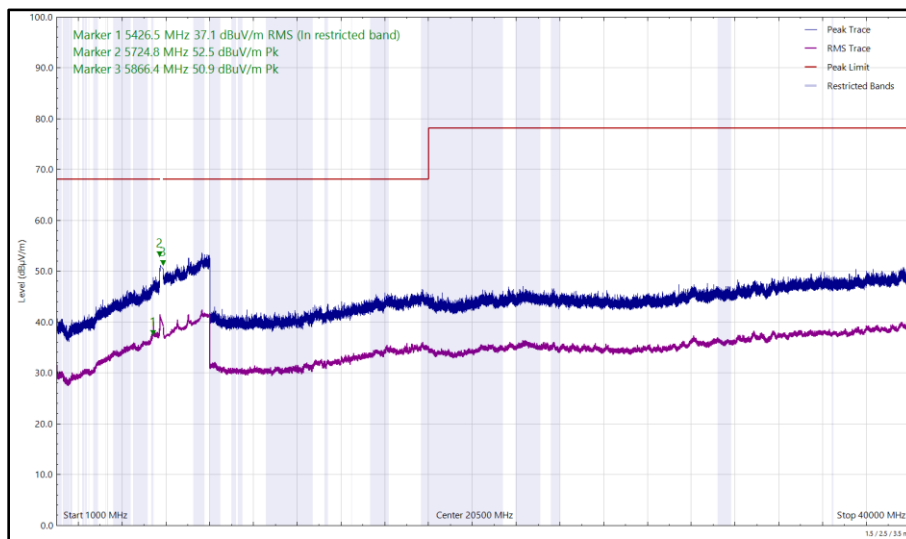


Figure 241 - 5844 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

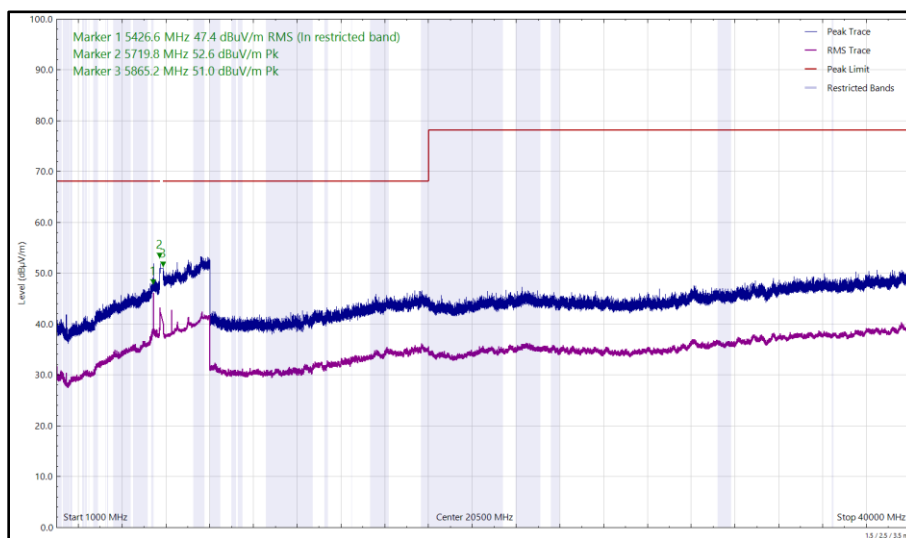


Figure 242 - 5844 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4731.710	37.38	54.00	-16.62	RMS	326	361	Vertical
5119.780	39.03	54.00	-14.97	RMS	9	311	Vertical
5119.986	36.71	54.00	-17.29	RMS	110	347	Horizontal
5383.392	36.95	54.00	-17.05	RMS	304	238	Horizontal
5401.780	39.85	54.00	-14.15	RMS	359	221	Vertical
5506.037	49.05	68.20	-19.15	Peak	118	206	Horizontal
5545.565	52.13	68.20	-16.07	Peak	5	315	Vertical

Table 113 - 5162 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 20 dB of the limit.

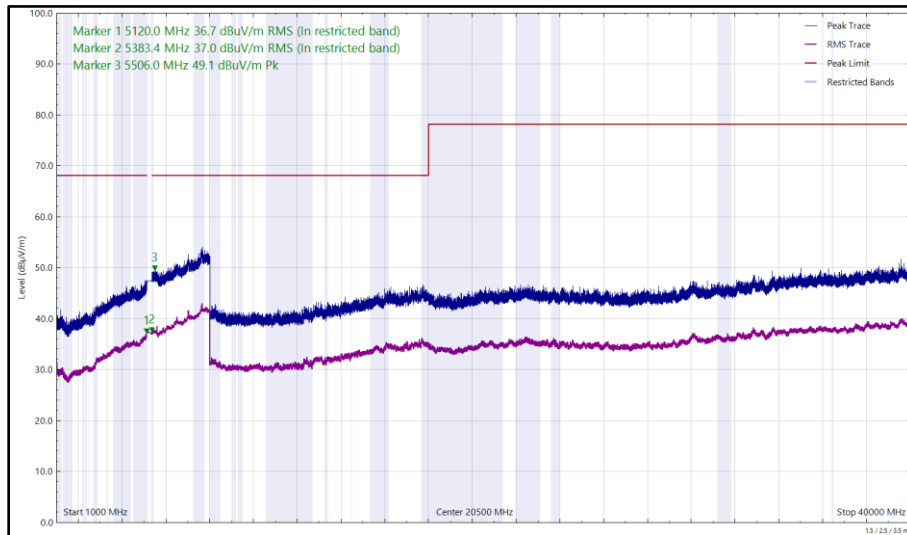


Figure 243 - 5162 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

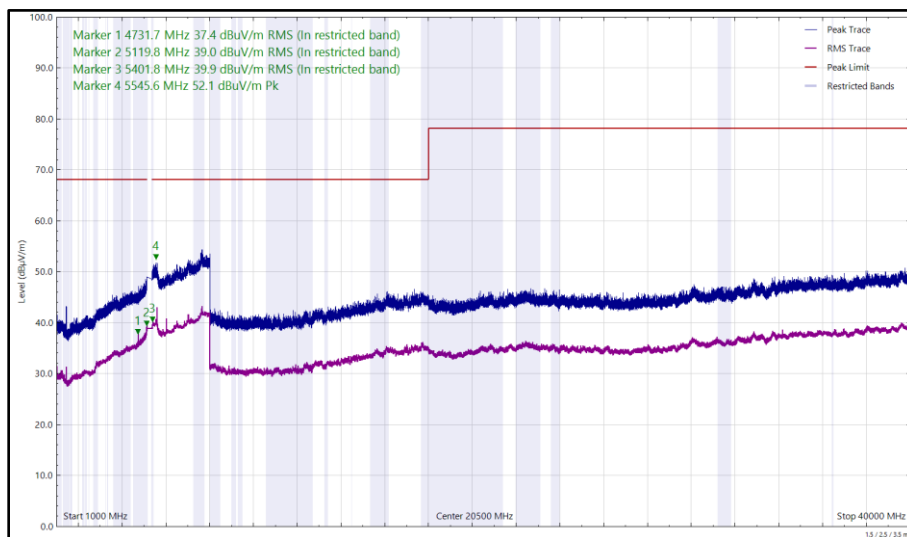


Figure 244 - 5162 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4769.400	38.29	54.00	-15.71	RMS	33	264	Vertical
5146.166	35.69	54.00	-18.31	RMS	128	361	Horizontal
5440.672	37.00	54.00	-17.00	RMS	118	387	Horizontal
5442.810	41.21	54.00	-12.79	RMS	352	339	Vertical
5487.312	48.72	68.20	-19.48	Peak	150	121	Horizontal
5500.466	52.08	68.20	-16.12	Peak	354	338	Vertical

Table 114 - 5203 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

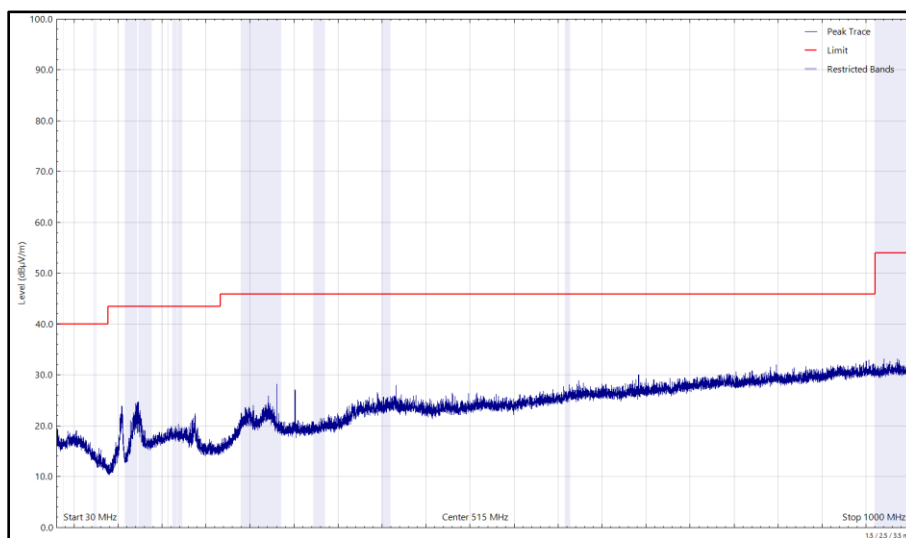


Figure 245 - 5203 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

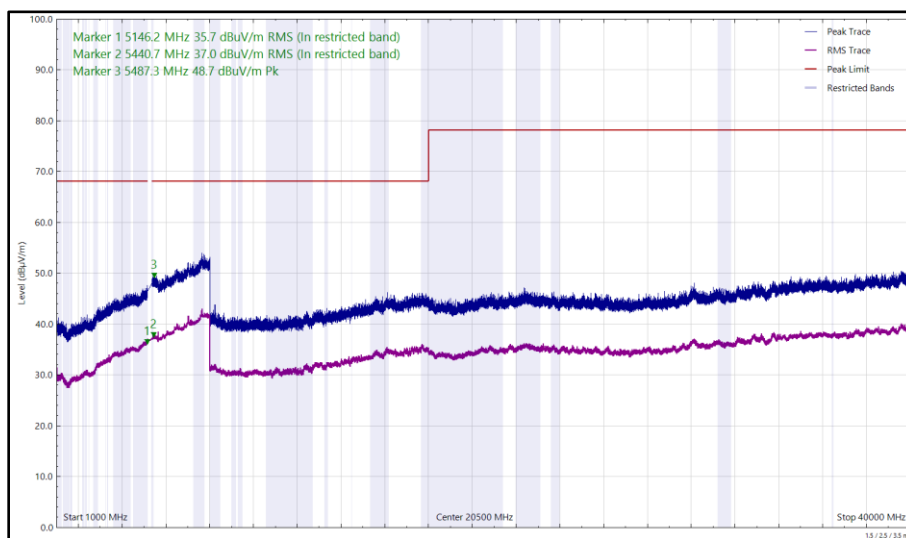


Figure 246 - 5203 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

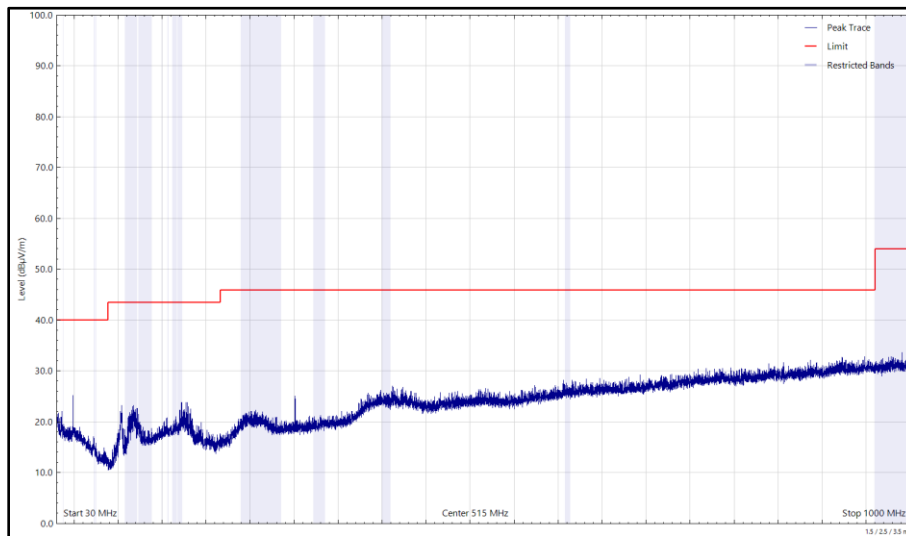


Figure 247 - 5203 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

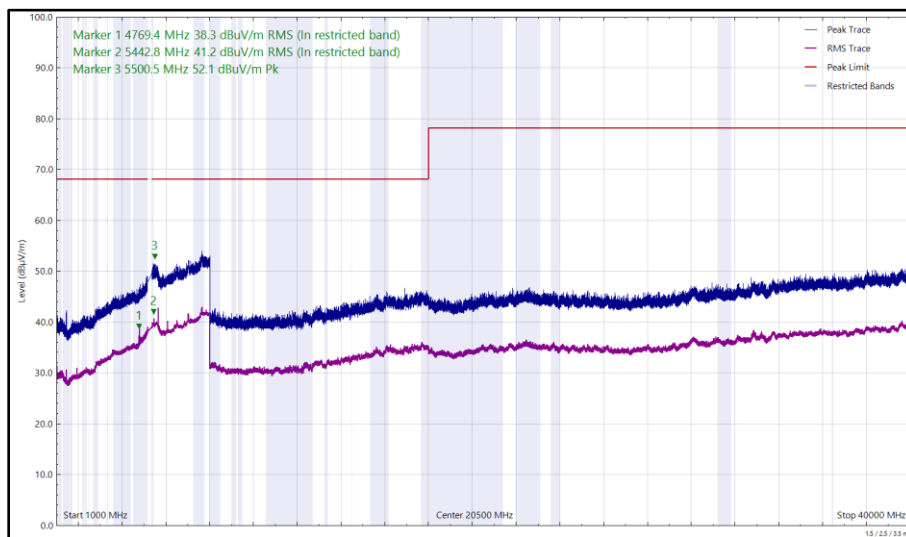


Figure 248 - 5203 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4807.900	38.52	54.00	-15.48	RMS	33	115	Vertical
5040.784	35.14	54.00	-18.86	RMS	104	284	Horizontal
5364.860	37.32	54.00	-16.68	RMS	286	389	Horizontal
5392.934	39.14	54.00	-14.86	RMS	355	292	Vertical
5508.831	49.72	68.20	-18.48	Peak	297	400	Horizontal
5557.246	50.97	68.20	-17.23	Peak	11	232	Vertical

Table 115 - 5245 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 20 dB of the limit.

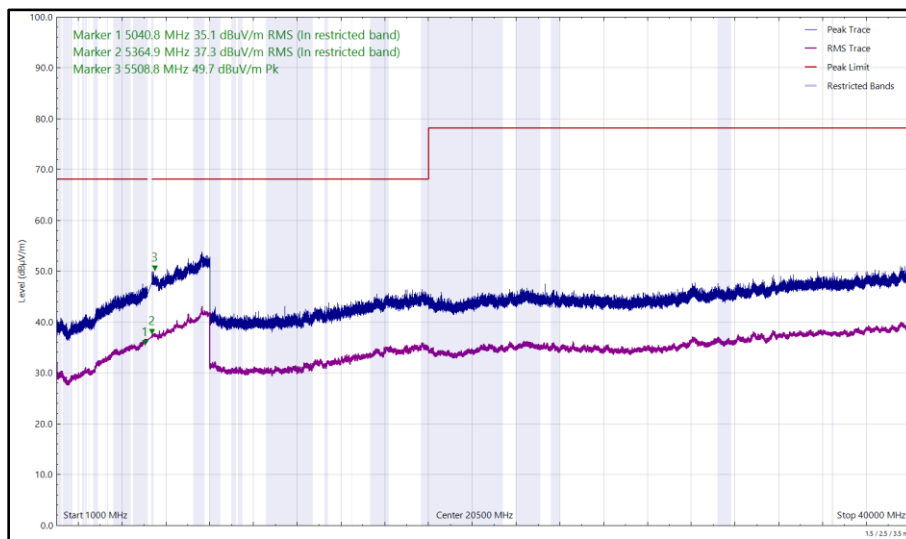


Figure 249 - 5245 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

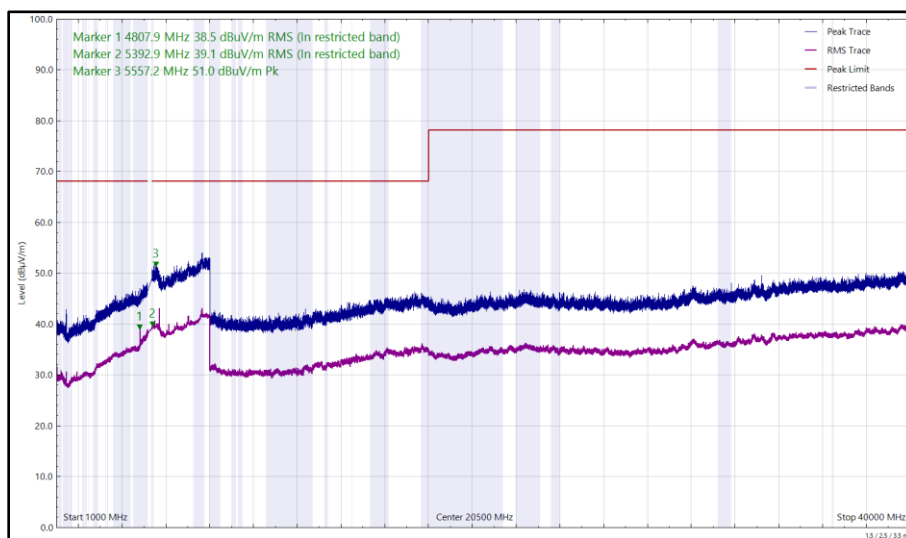


Figure 250 - 5245 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4100.795	42.22	54.00	-11.78	RMS	2	268	Vertical
5323.635	51.68	68.20	-16.52	Peak	58	305	Horizontal
5422.353	41.25	54.00	-12.75	RMS	352	328	Vertical
5429.759	37.80	54.00	-16.20	RMS	150	209	Horizontal
5688.270	57.51	68.20	-10.69	Peak	5	266	Vertical
6053.381	51.03	68.20	-17.17	Peak	84	389	Horizontal
6141.821	54.61	68.20	-13.59	Peak	1	291	Vertical

Table 116 - 5733 MHz, HDR4, ePA, Core 0 + Core 1, 8 to 40 GHz

No other emissions found within 20 dB of the limit.

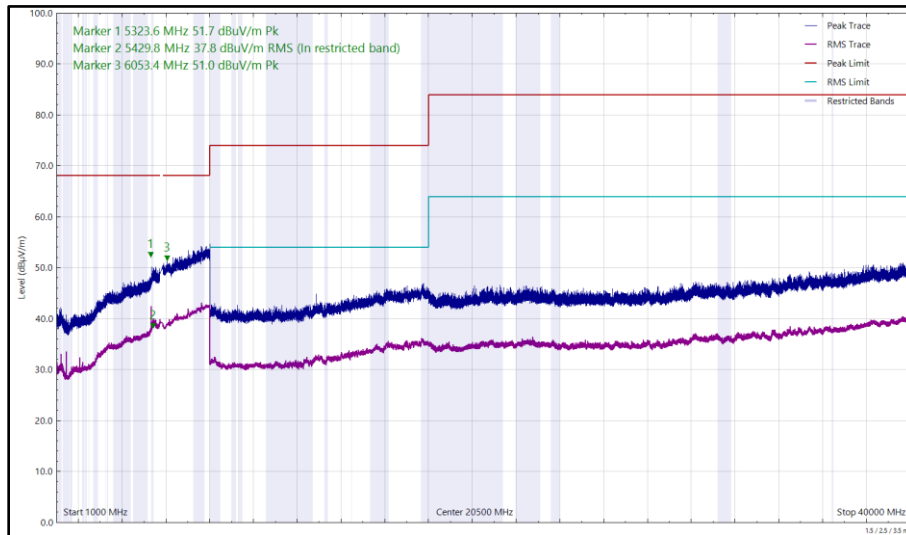


Figure 251 - 5733 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

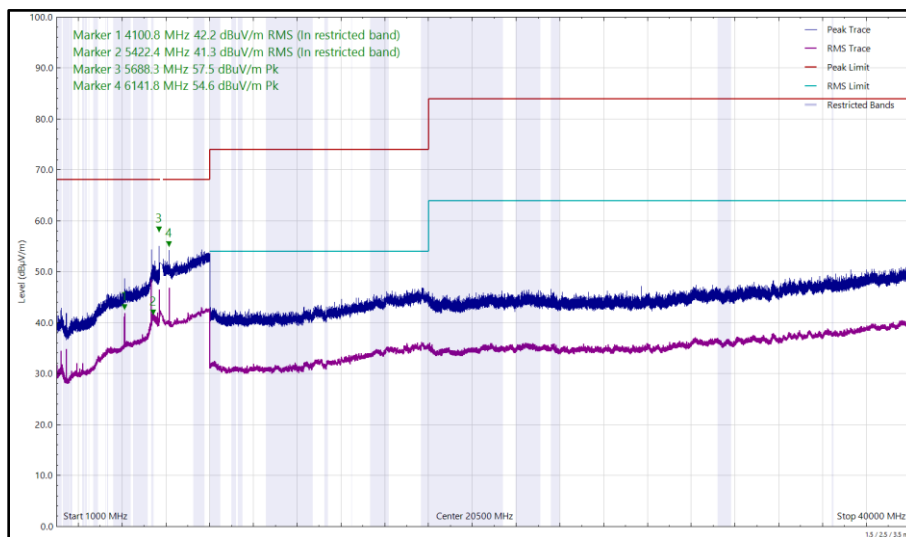


Figure 252 - 5733 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5374.505	43.77	54.00	-10.23	RMS	289	362	Horizontal
5374.525	51.57	54.00	-2.43	RMS	344	329	Vertical
5374.825	59.34	74.00	-14.66	Peak	344	298	Vertical
5668.418	53.75	68.20	-14.45	Peak	8	235	Vertical
5699.504	50.52	68.20	-17.68	Peak	38	335	Horizontal
5881.773	52.44	68.20	-15.76	Peak	354	254	Vertical
6136.205	50.24	68.20	-17.96	Peak	318	165	Horizontal

Table 117 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 8 to 40 GHz

No other emissions found within 20 dB of the limit.

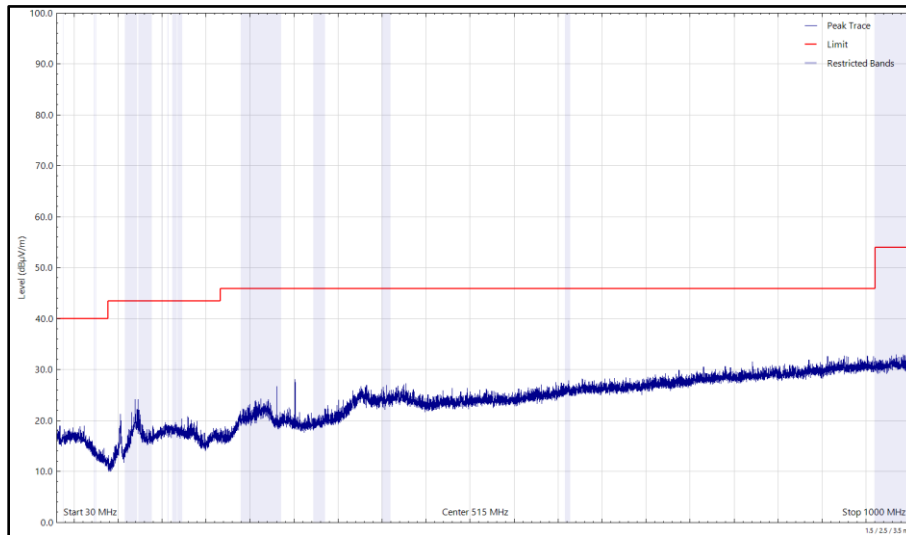


Figure 253 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

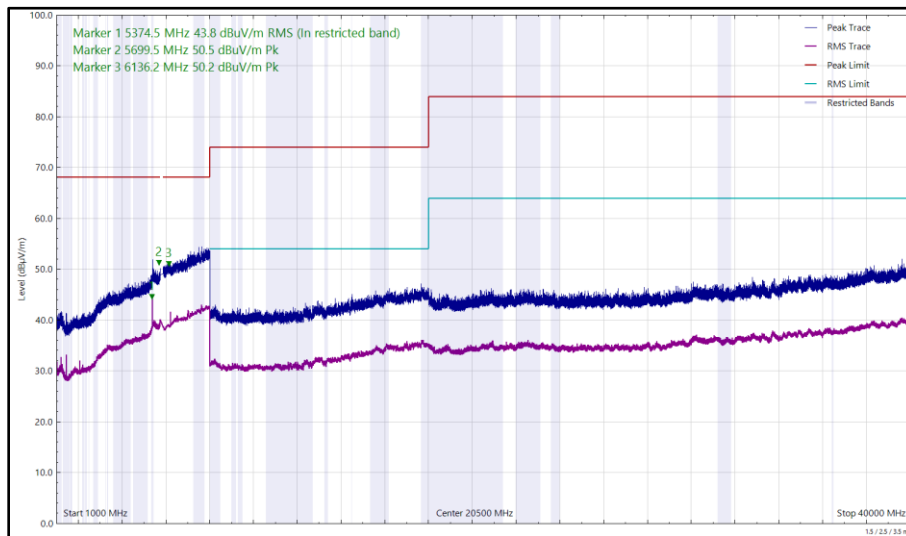


Figure 254 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

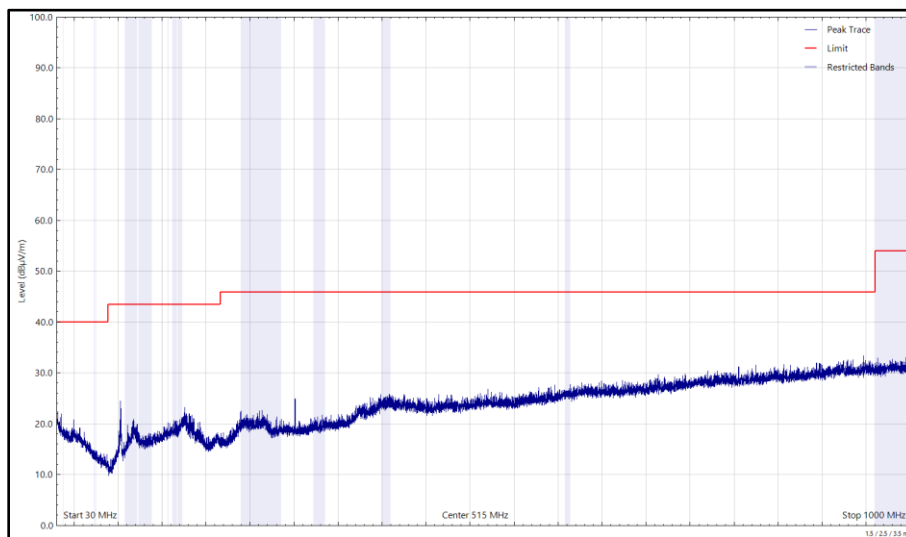


Figure 255 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

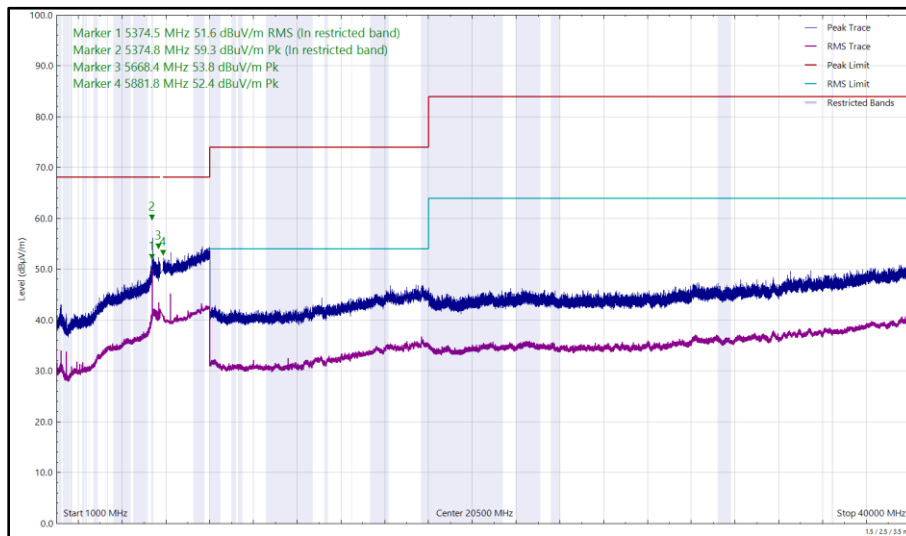


Figure 256 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1440.159	35.37	54.00	-18.63	RMS	166	272	Vertical
5426.350	59.17	74.00	-14.83	Peak	351	322	Vertical
5426.430	45.69	54.00	-8.31	RMS	289	358	Horizontal
5426.550	52.79	54.00	-1.21	RMS	348	325	Vertical
5495.128	53.27	68.20	-14.93	Peak	4	241	Vertical
5721.665	50.75	68.20	-17.45	Peak	241	338	Horizontal
5865.577	52.10	68.20	-16.10	Peak	152	138	Horizontal
5866.984	54.46	68.20	-13.74	Peak	350	296	Vertical

Table 118 - 5844 MHz, HDR4, ePA, Core 0 + Core 1, 8 to 40 GHz

No other emissions found within 20 dB of the limit.

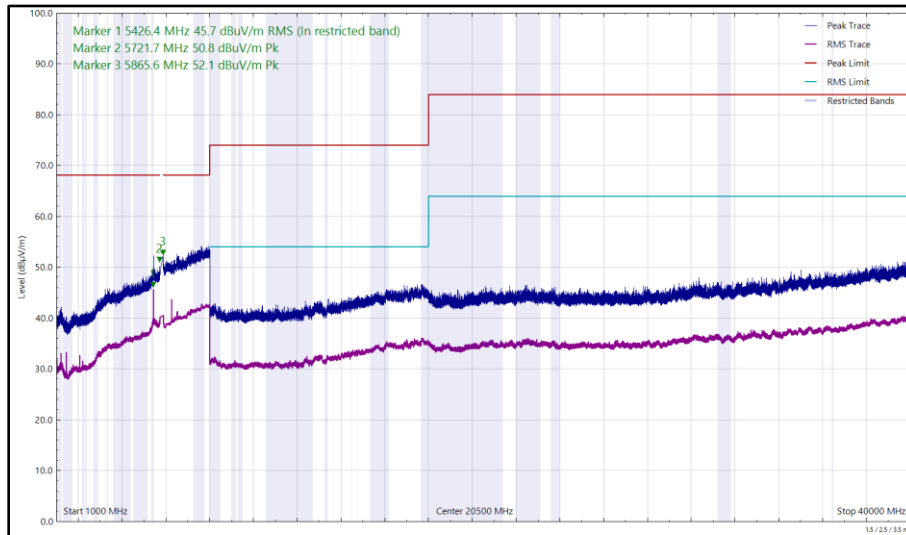


Figure 257 - 5844 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

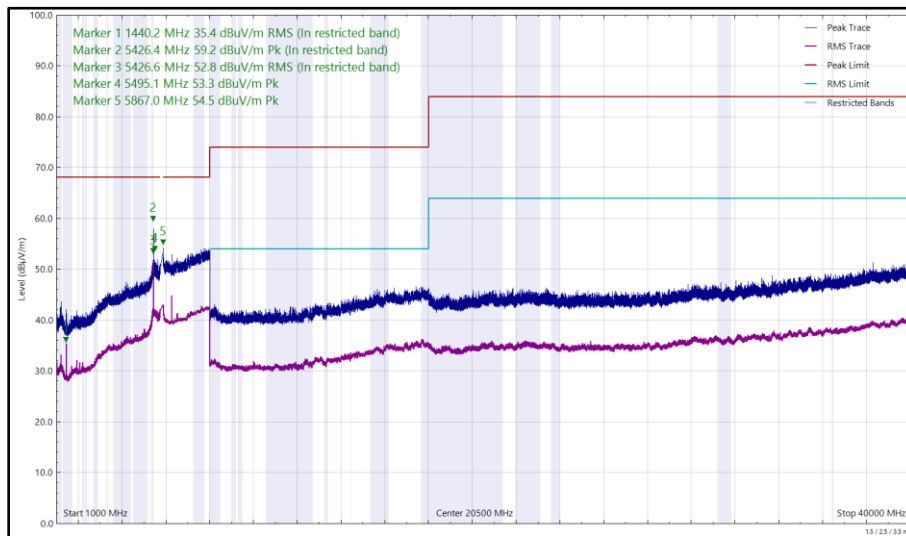


Figure 258 - 5844 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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 (μ V/m) at 3m	Field Strength Limit (dB μ V/m) at 3m
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 119 - Radiated Emissions Limit Table (FCC)



2.6.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14, RF Chamber 15 and RF Chamber 17.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
Digital Inclinometer	TUV SUD	RS PRO	5741	12	02-Nov-2024
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	07-Aug-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
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5940	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
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 14	5958	36	26-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5959	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5962	-	TU
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	28-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5964	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5966	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5967	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5968	-	TU
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



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
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	6295	-	TU
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
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
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	29-May-2025
8M SMA Cable	Junkosha	MWX221- 08000AMSAMS/B	6834	12	14-Aug-2025

Table 120

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	± 144.25 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 121

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.