

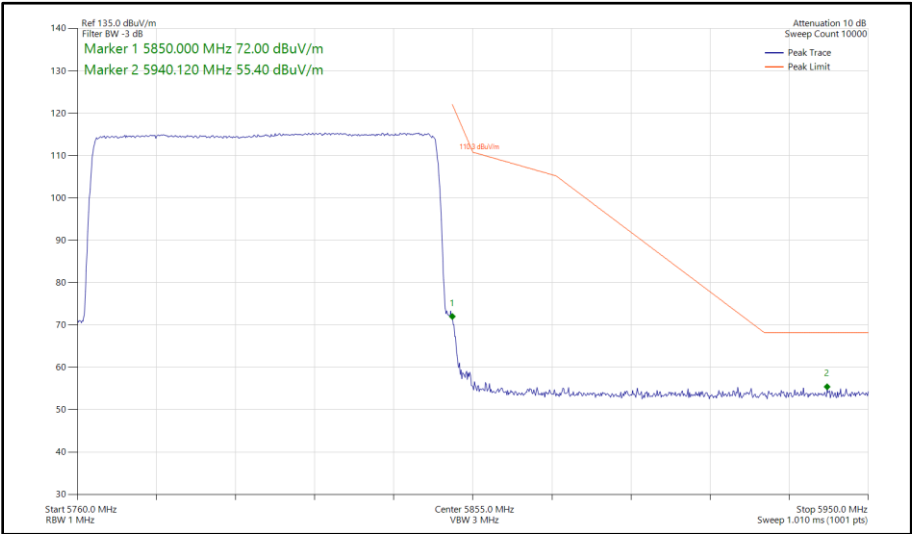


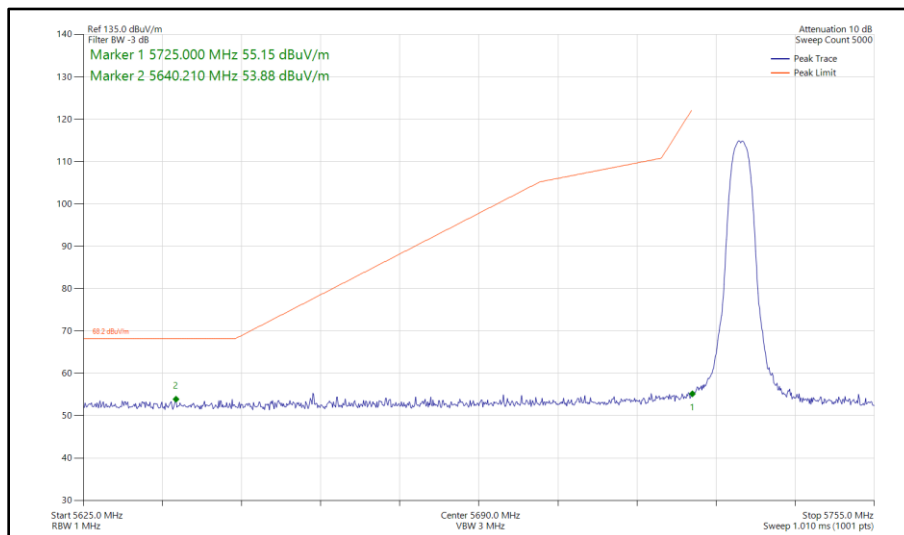
Figure 209 - Bluetooth HDR8, SISO, Core 0 - 5766-5844 MHz
Band Edge Frequency 5850 MHz



ePA - Core 1 (SISO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
Static	HDR4	5733	5725	53.88
Static	HDR8	5733	5725	54.08
Hopping	HDR4	5733-5811	5725	54.31
Hopping	HDR8	5733-5811	5725	53.87
Static	HDR4	5844	5850	54.89
Static	HDR8	5844	5850	55.14
Hopping	HDR4	5766-5844	5850	54.95
Hopping	HDR8	5766-5844	5850	55.14

Table 104 - SISO Authorised Band Edge Results



**Figure 210 - Bluetooth HDR4, SISO, Core 1 - 5733 MHz
Band Edge Frequency 5725 MHz**

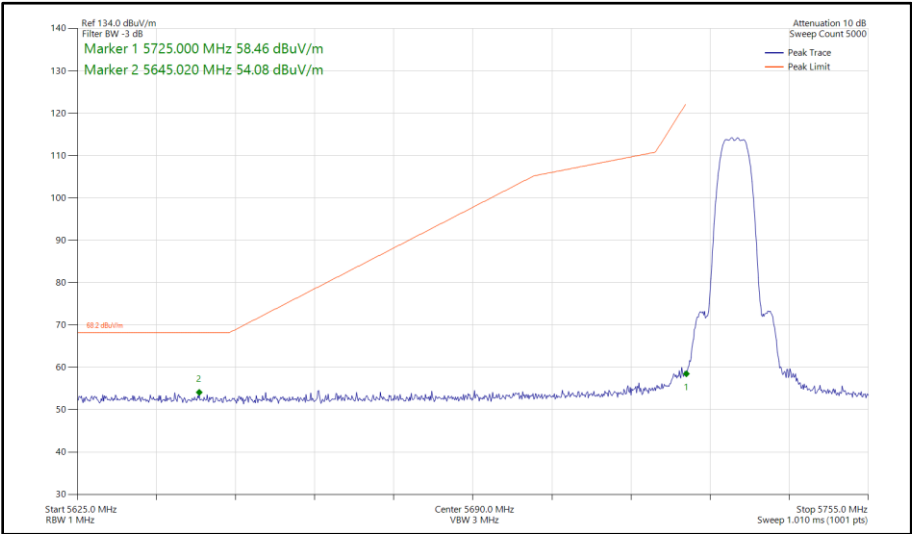


Figure 211 - Bluetooth HDR8, SISO, Core 1 - 5733 MHz
Band Edge Frequency 5725 MHz

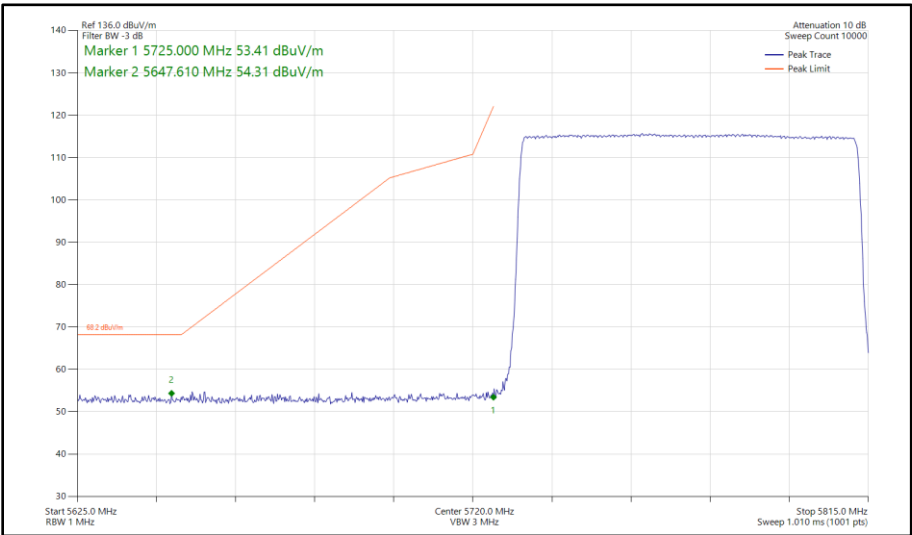


Figure 212 - Bluetooth HDR4, SISO, Core 1 - 5733-5811 MHz
Band Edge Frequency 5725 MHz

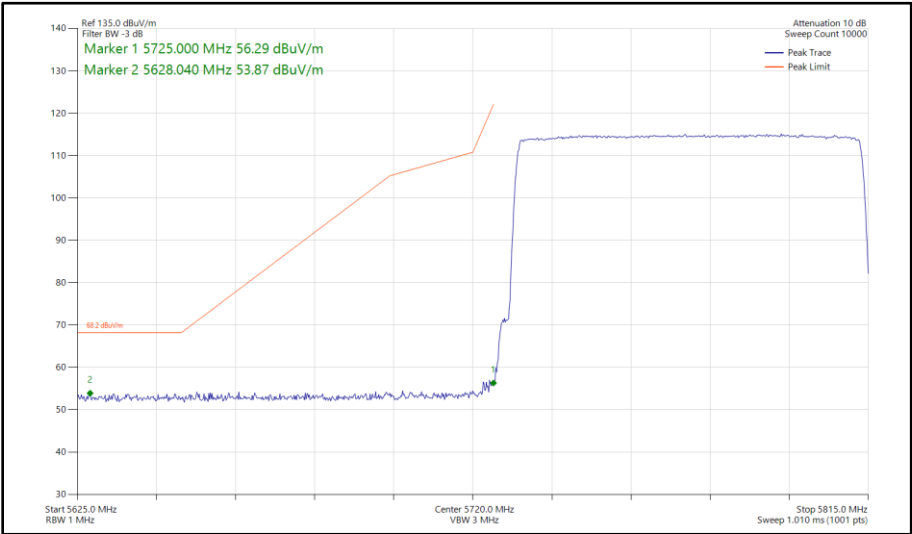


Figure 213 - Bluetooth HDR8, SISO, Core 1 - 5733-5811 MHz
Band Edge Frequency 5725 MHz

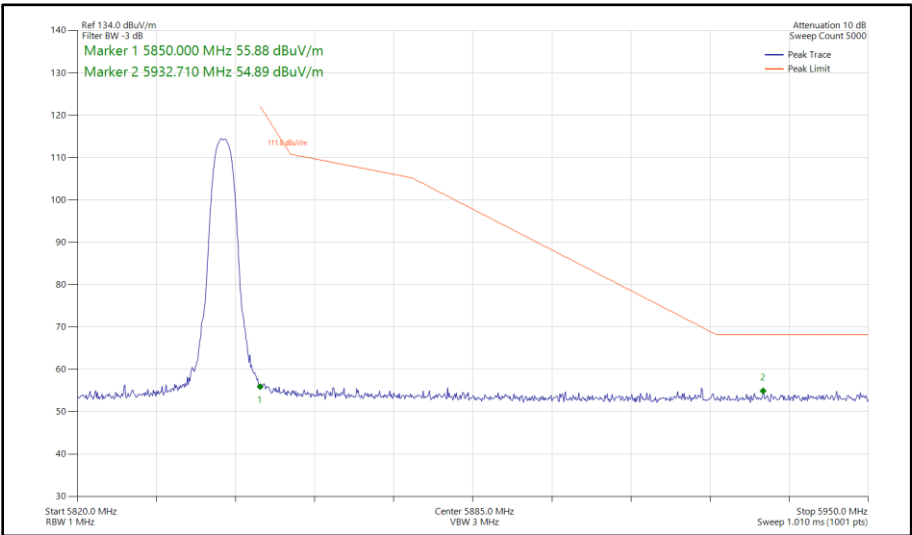


Figure 214 - Bluetooth HDR4, SISO, Core 1 - 5844 MHz
Band Edge Frequency 5850 MHz

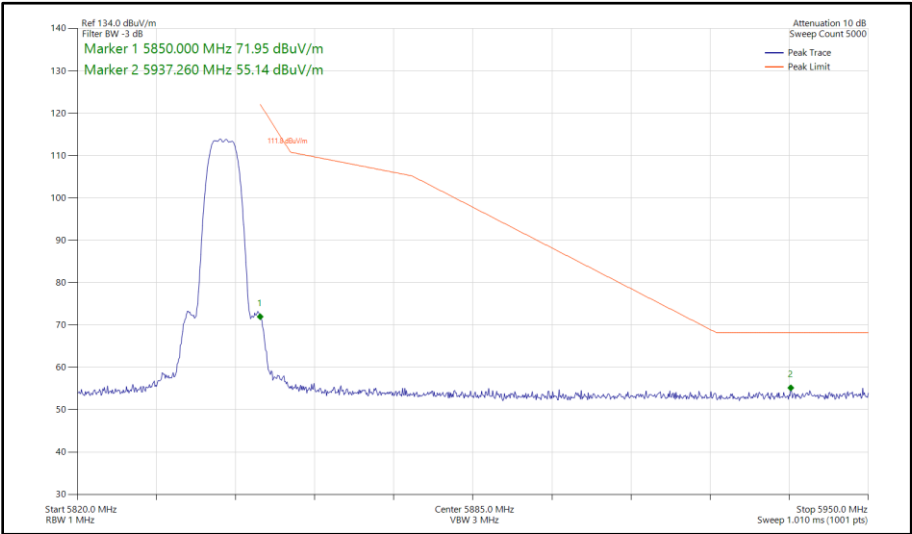


Figure 215 - Bluetooth HDR8, SISO, Core 1 - 5844 MHz
Band Edge Frequency 5850 MHz

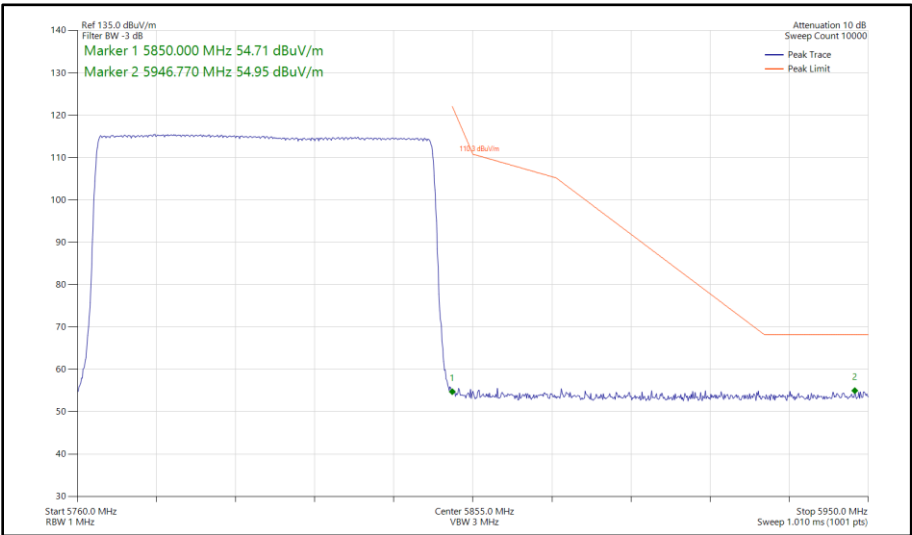


Figure 216 - Bluetooth HDR4, SISO, Core 1 - 5766-5844 MHz
Band Edge Frequency 5850 MHz

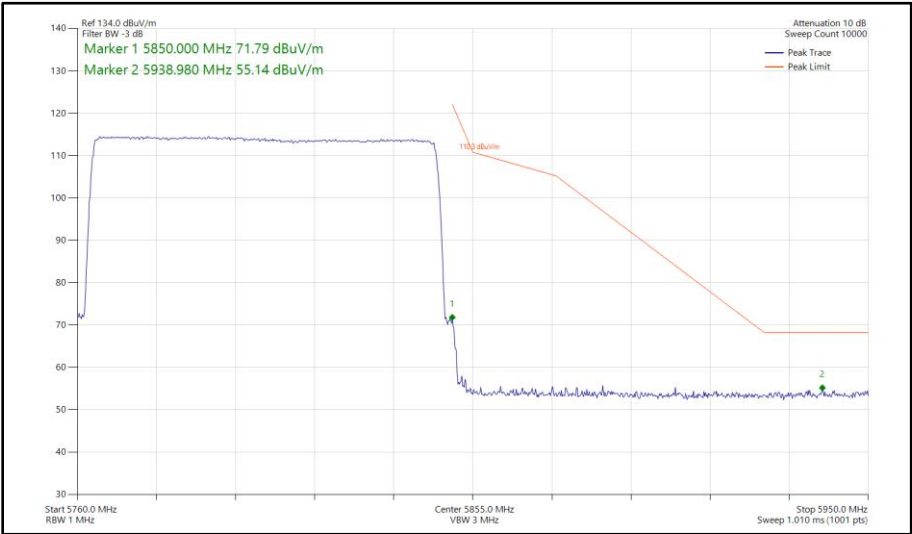


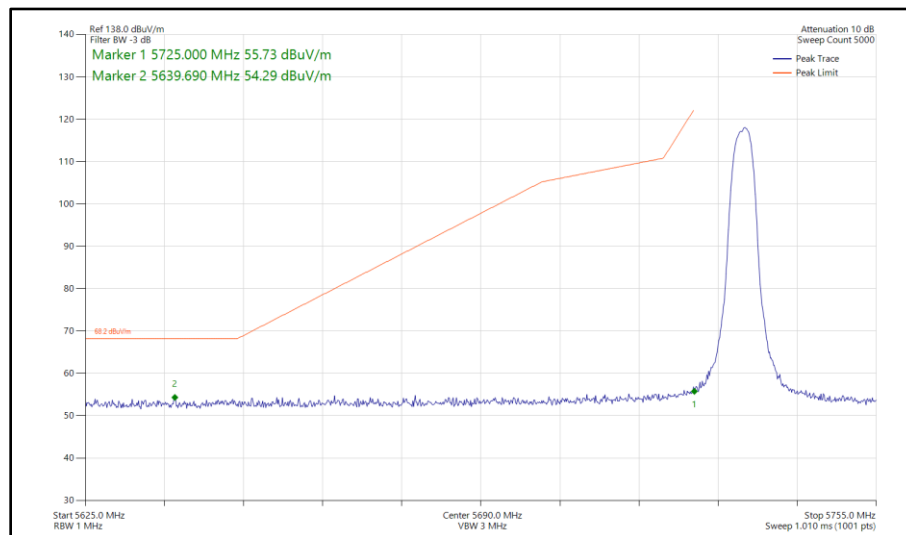
Figure 217 - Bluetooth HDR8, SISO, Core 1 - 5766-5844 MHz
Band Edge Frequency 5850 MHz



ePA - Core 0 - Core 1 (MIMO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)
Static	HDR4	5733	5725	54.29
Static	HDR8	5733	5725	55.17
Hopping	HDR4	5733-5811	5725	54.34
Hopping	HDR8	5733-5811	5725	54.65
Static	HDR4	5844	5850	55.04
Static	HDR8	5844	5850	54.98
Hopping	HDR4	5766-5844	5850	55.70
Hopping	HDR8	5766-5844	5850	55.21

Table 105 - MIMO Authorised Band Edge Results



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

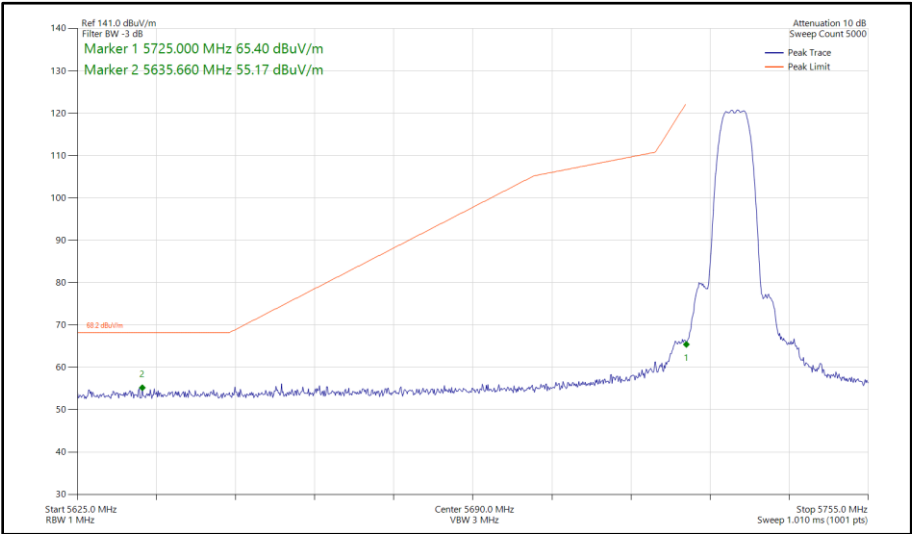


Figure 219 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5733 MHz
Band Edge Frequency 5725 MHz

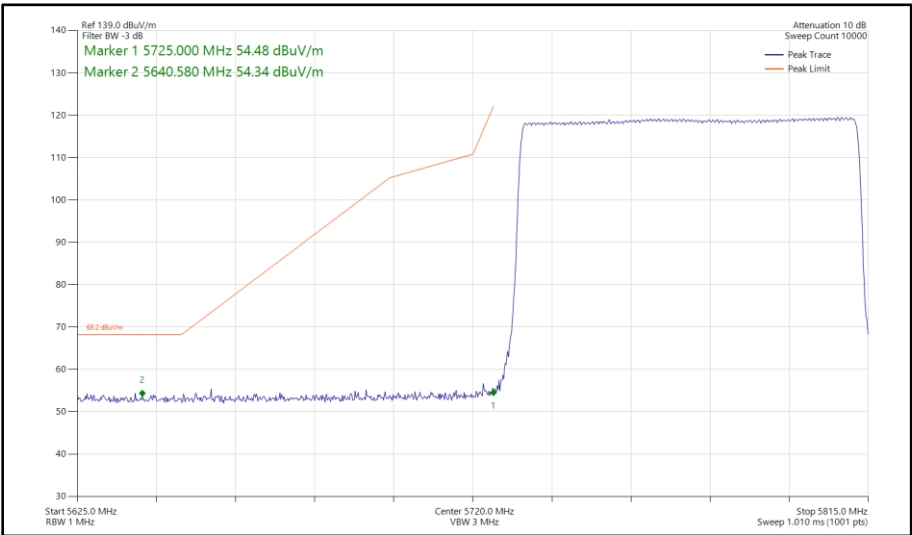


Figure 220 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5733-5811 MHz
Band Edge Frequency 5725 MHz

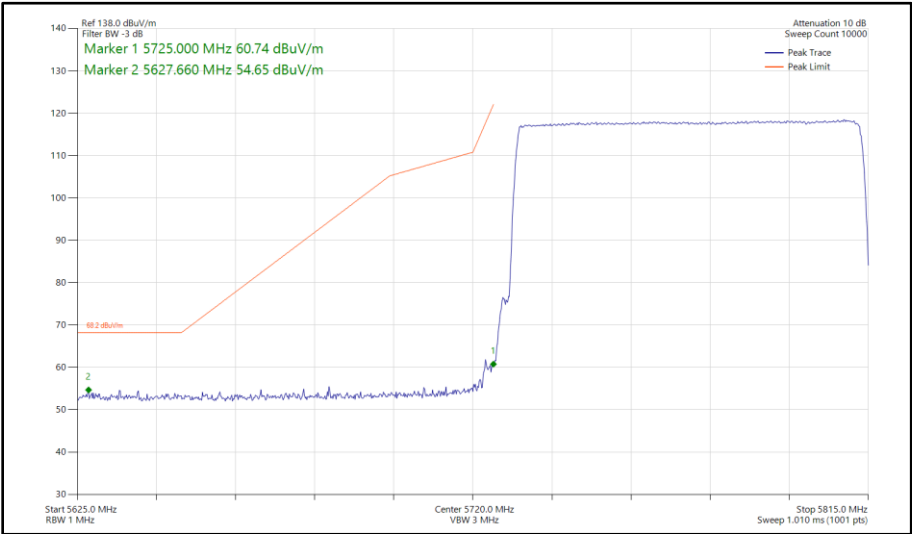


Figure 221 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5733-5811 MHz
Band Edge Frequency 5725 MHz

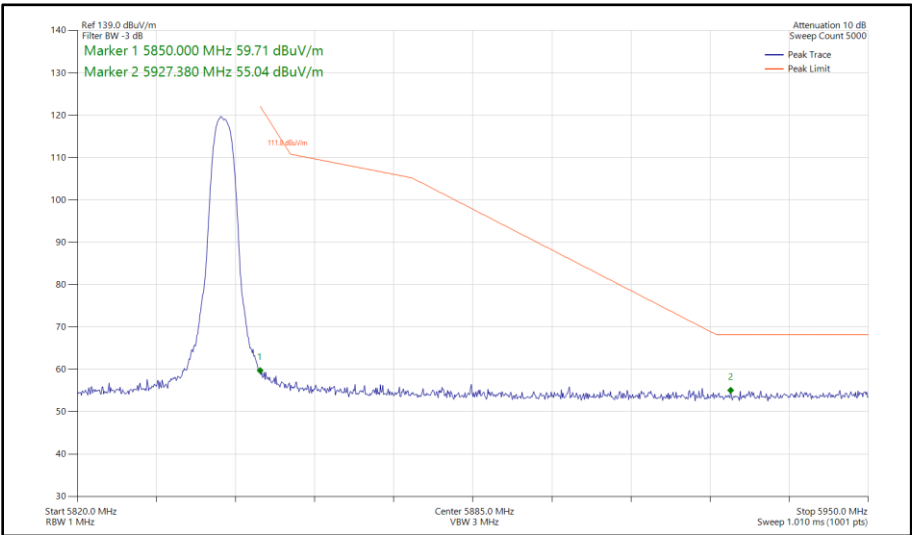


Figure 222 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5844 MHz
Band Edge Frequency 5850 MHz

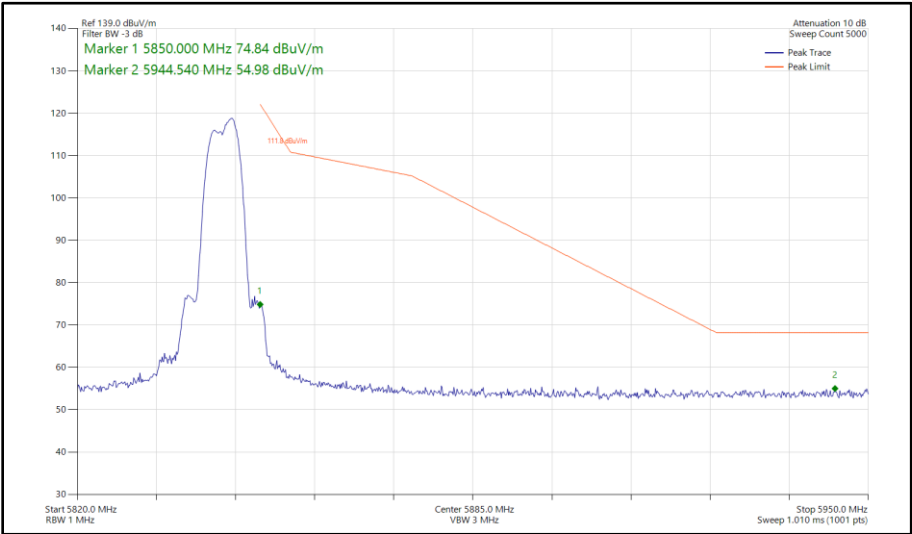


Figure 223 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 5844 MHz
Band Edge Frequency 5850 MHz

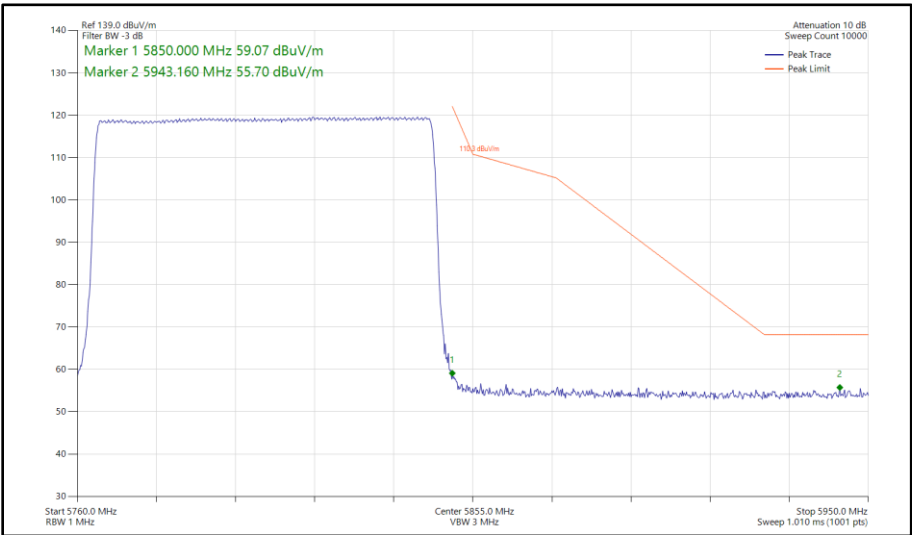
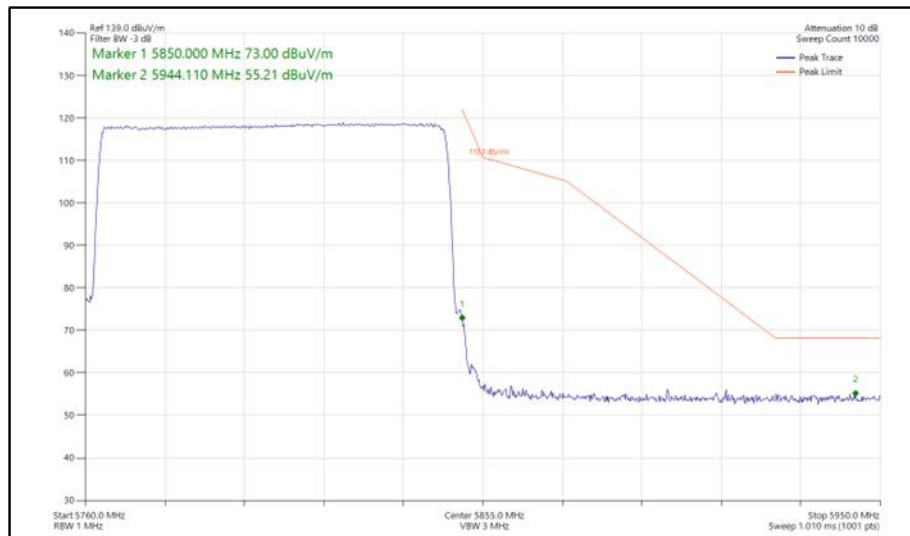


Figure 224 - Bluetooth HDR4, MIMO, Core 0 - Core 1 - 5766-5844 MHz
Band Edge Frequency 5850 MHz



**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 14, RF Chamber 16 and RF Chamber 17.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Cable (18 GHz)	Rosenberger	LU7-071-1000	5102	12	21-Nov-2024
Emissions Software	TUV SUD	EmX V3.4.2 V.	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5379	12	12-Dec-2024
Cable 2.92m	Junkosha	MWX241-01000KMS	5413	12	23-May-2025
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	07-Aug-2025
Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-May-2025
1500W (300V 12A) AC Power Supply	iTech	IT7324	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
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	24-May-2025
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5973	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5974	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5975	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	20-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	05-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	05-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	05-May-2025
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
Digital Multimeter	Fluke	115	6146	12	06-Jun-2025
Humidity & Temperature meter	R.S Components	1364	6148	12	29-Jul-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
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	06-Jan-2025
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	07-May-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



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
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
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	01-Feb-2025
6.5m Cable	Junkosha	MWX221-06500AMSAMS/B	6744	12	01-Feb-2025
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	01-Feb-2025
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	14-Aug-2025
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6834	12	14-Aug-2025

Table 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

A3401, S/N: JVJC362FKV - Modification State 0

2.6.3 Date of Test

13-September-2024 to 05-October-2024

2.6.4 Test Method

Testing 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 dB μ V/m @ 3 m and 64/84 dB μ V/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

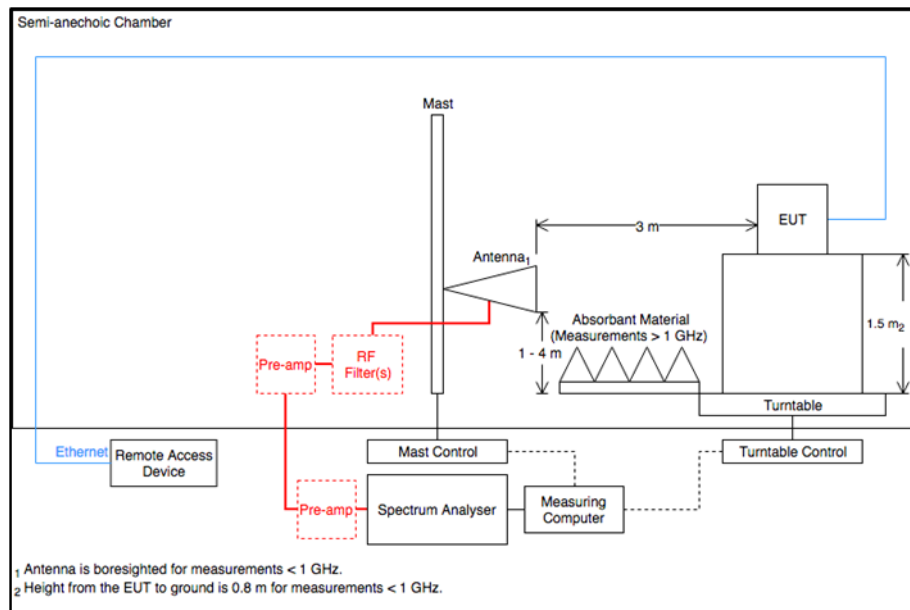


Figure 226 - Radiated Emissions Test Setup Diagram

2.6.6 Environmental Conditions

Ambient Temperature	21.9 - 23.6 °C
Relative Humidity	41.6 - 51.7 %

2.6.7 Test Results

Narrowband

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5457.587	36.91	54.00	-17.09	RMS	246	398	Horizontal
5457.816	38.85	54.00	-15.15	RMS	2	333	Vertical
5584.402	48.90	68.20	-19.30	Peak	360	230	Horizontal
5610.997	50.59	68.20	-17.61	Peak	10	335	Vertical
7596.307	54.35	74.00	-19.65	Peak	85	274	Vertical
7608.890	42.48	54.00	-11.52	RMS	47	330	Horizontal
7609.215	42.43	54.00	-11.57	RMS	155	147	Vertical
7614.818	54.50	74.00	-19.50	Peak	359	276	Horizontal

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

No other emissions found within 10 dB of the limit.

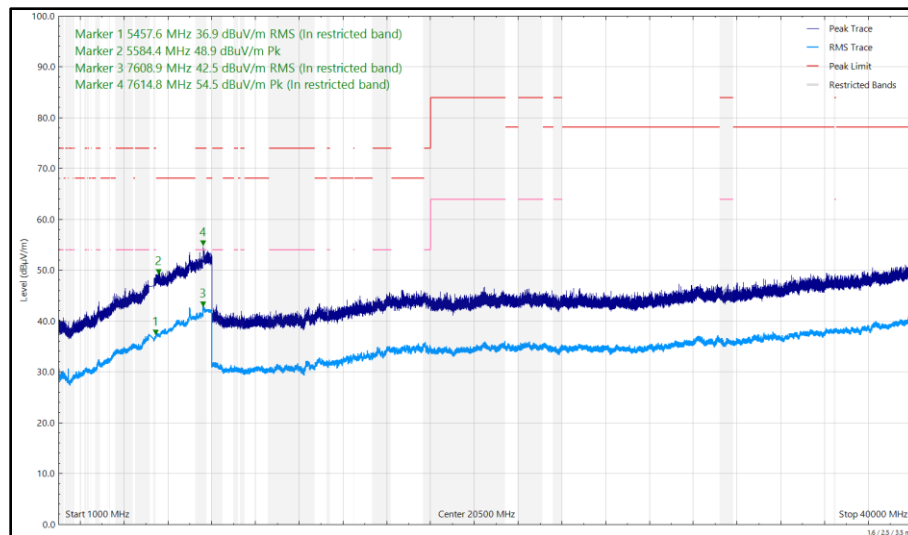


Figure 227 - 5162 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

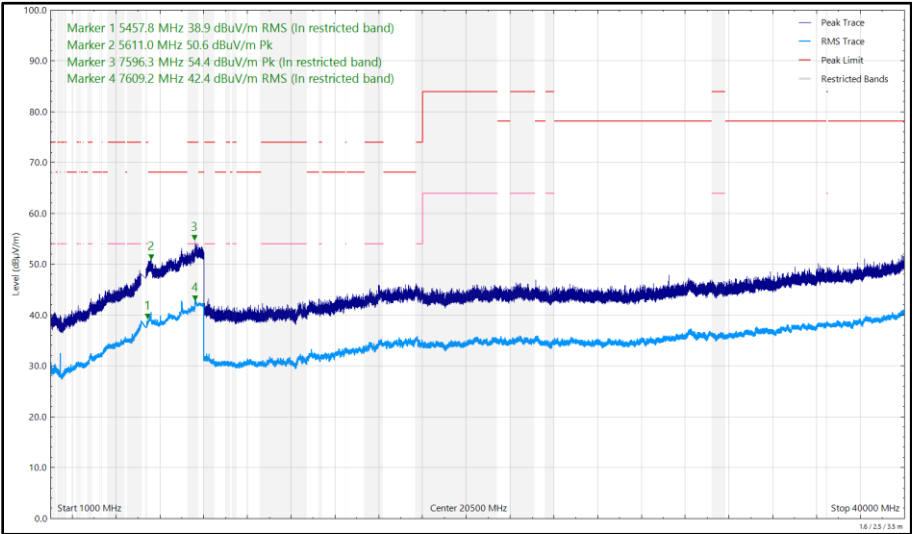


Figure 228 - 5162 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
30.089	25.05	40.00	-14.95	Q-Peak	252	103	Vertical
110.653	24.43	43.50	-19.07	Q-Peak	181	285	Horizontal
110.674	17.91	43.50	-25.59	Q-Peak	239	100	Vertical
167.892	19.70	43.50	-23.80	Q-Peak	350	100	Vertical
177.888	18.61	43.50	-24.89	Q-Peak	351	254	Horizontal
300.856	24.70	46.00	-21.30	Q-Peak	94	103	Horizontal
300.869	24.41	46.00	-21.59	Q-Peak	351	243	Vertical
387.849	22.59	46.00	-23.41	Q-Peak	359	100	Horizontal
5111.158	37.39	54.00	-16.61	RMS	0	301	Vertical
5442.510	38.06	54.00	-15.94	RMS	0	228	Vertical
5446.926	36.48	54.00	-17.52	RMS	196	134	Horizontal
5547.508	48.55	68.20	-19.65	Peak	260	272	Horizontal
5643.122	49.39	68.20	-18.81	Peak	13	389	Vertical
7608.105	42.40	54.00	-11.60	RMS	350	338	Horizontal
7610.040	42.39	54.00	-11.61	RMS	40	197	Vertical
7612.539	55.00	74.00	-19.00	Peak	355	283	Horizontal

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

No other emissions found within 10 dB of the limit.

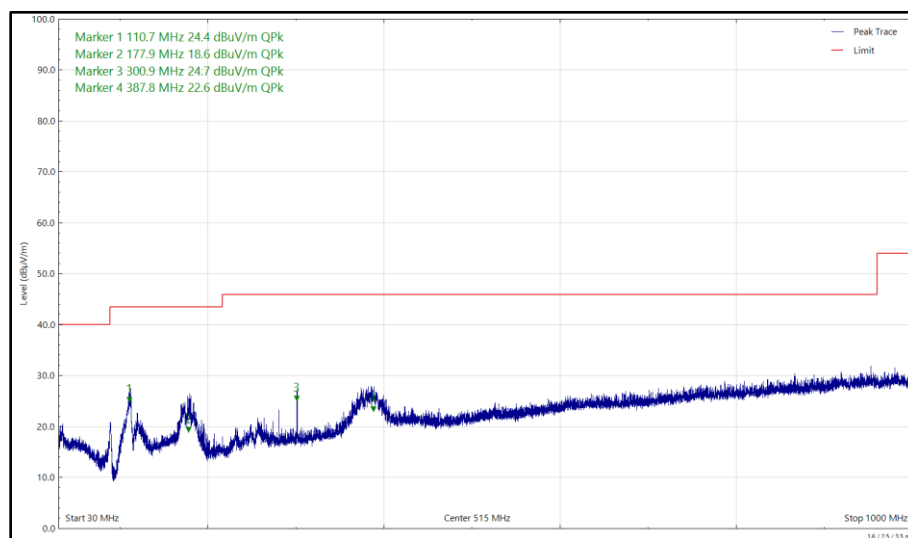


Figure 229 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

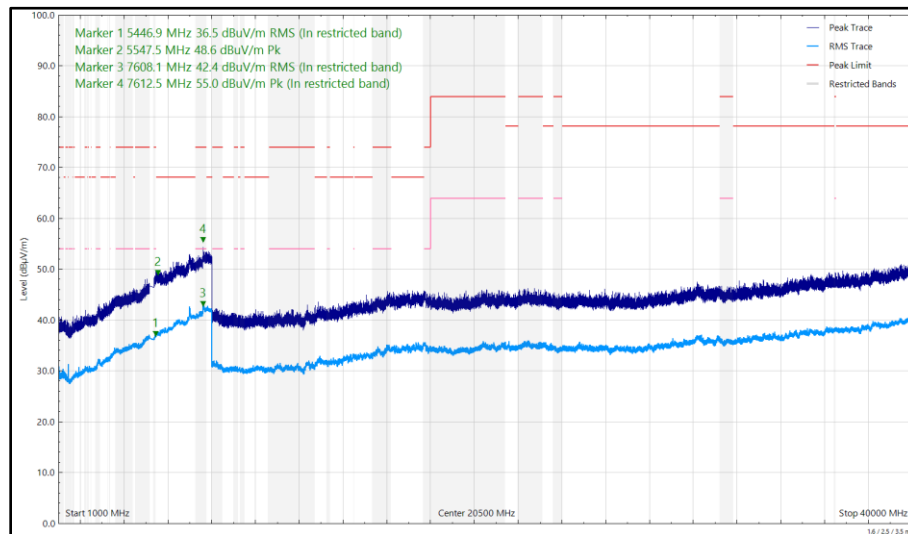


Figure 230 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

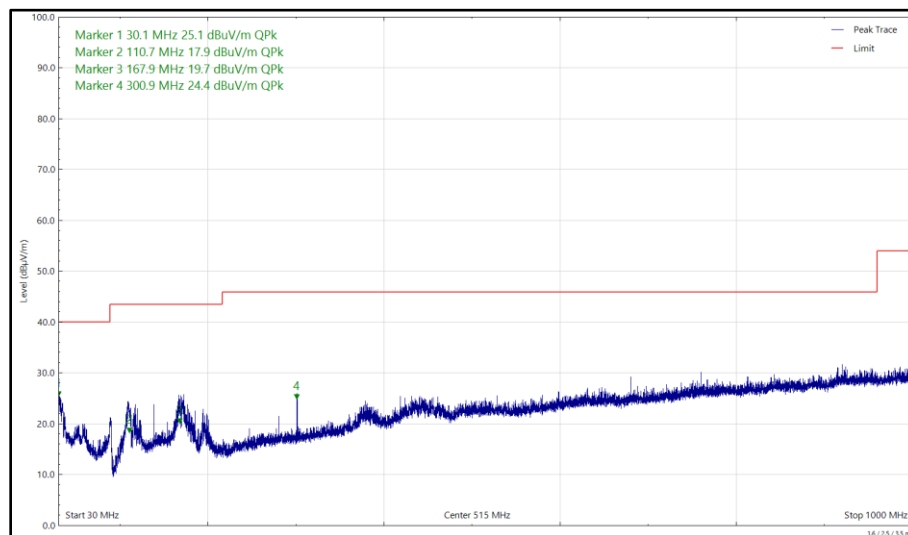


Figure 231 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

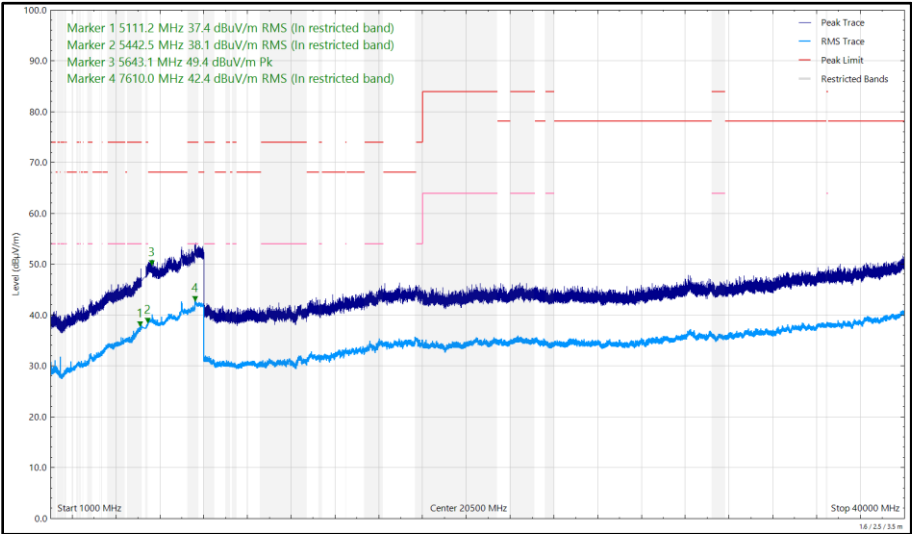


Figure 232 - 5203 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5447.506	37.28	54.00	-16.72	RMS	9	113	Vertical
5459.382	36.61	54.00	-17.39	RMS	264	255	Horizontal
5499.065	48.70	68.20	-19.50	Peak	306	398	Horizontal
5568.179	50.62	68.20	-17.58	Peak	10	338	Vertical
7599.097	54.35	74.00	-19.65	Peak	137	400	Vertical
7608.065	42.44	54.00	-11.56	RMS	301	102	Vertical
7609.494	42.43	54.00	-11.57	RMS	39	393	Horizontal
7617.460	54.02	74.00	-19.98	Peak	350	135	Horizontal

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

No other emissions found within 10 dB of the limit.

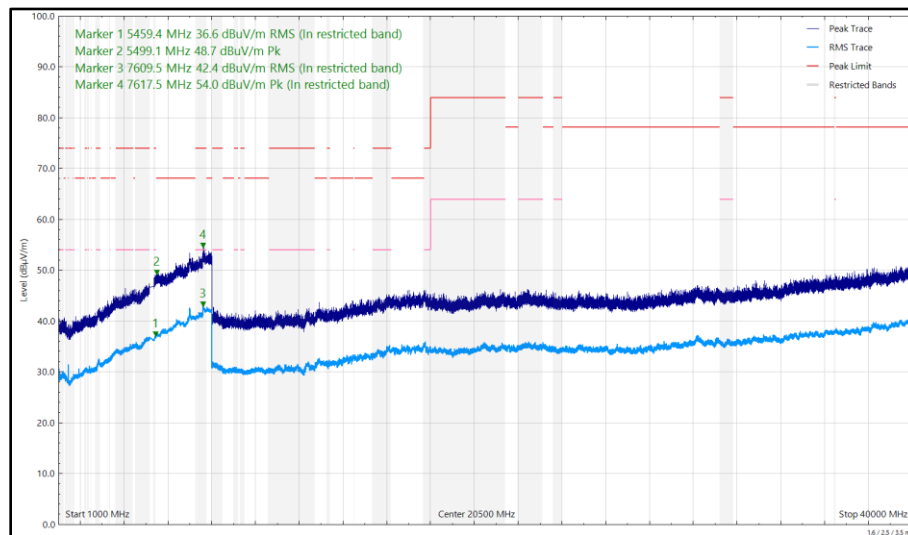


Figure 233 - 5245 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

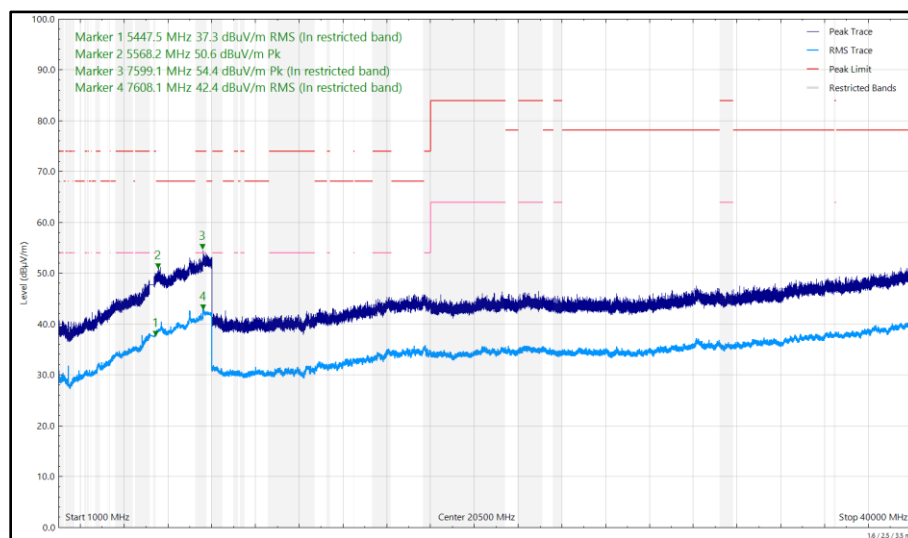


Figure 234 - 5245 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5323.670	51.97	68.20	-16.23	Peak	360	328	Vertical
5404.759	37.85	54.00	-16.15	RMS	2	229	Vertical
5406.481	36.24	54.00	-17.76	RMS	359	276	Horizontal
5713.130	50.06	68.20	-18.14	Peak	167	243	Horizontal
6003.249	48.76	68.20	-19.44	Peak	225	342	Horizontal
6079.854	49.47	68.20	-18.73	Peak	8	291	Vertical
7607.860	41.53	54.00	-12.47	RMS	143	244	Horizontal

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

No other emissions found within 10 dB of the limit.

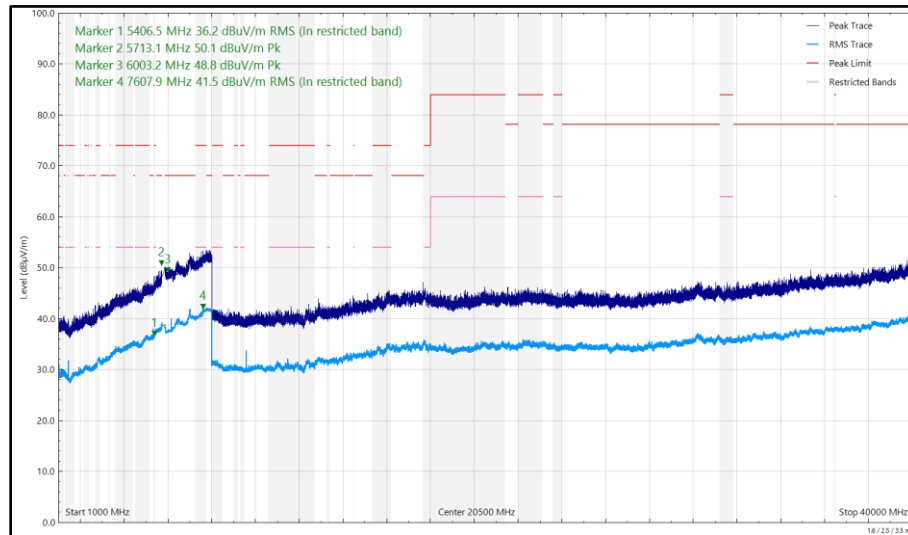


Figure 235 - 5733 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

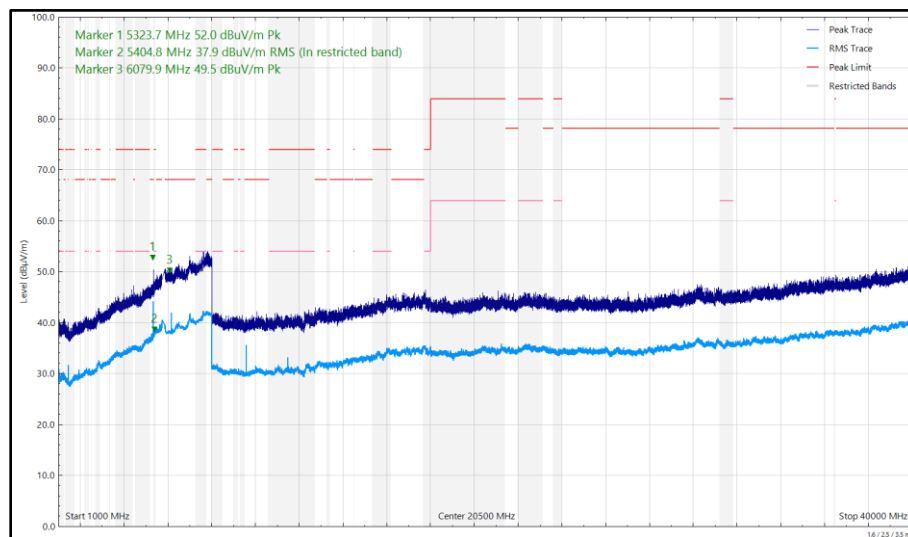


Figure 236 - 5733 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
30.008	25.81	40.00	-14.19	Q-Peak	0	100	Vertical
111.095	24.19	43.50	-19.31	Q-Peak	183	286	Horizontal
115.961	19.60	43.50	-23.90	Q-Peak	11	114	Vertical
168.724	20.27	43.50	-23.23	Q-Peak	355	105	Vertical
171.705	19.04	43.50	-24.46	Q-Peak	8	110	Vertical
172.566	18.59	43.50	-24.91	Q-Peak	1	265	Horizontal
300.844	27.06	46.00	-18.94	Q-Peak	39	173	Vertical
400.077	20.04	46.00	-25.96	Q-Peak	9	100	Horizontal
679.986	28.61	46.00	-17.39	Q-Peak	6	300	Vertical
760.005	28.70	46.00	-17.30	Q-Peak	0	248	Vertical
5374.555	45.01	54.00	-8.99	RMS	348	280	Vertical
5396.403	36.12	54.00	-17.88	RMS	10	362	Horizontal
5575.489	49.74	68.20	-18.46	Peak	353	399	Vertical
5694.111	49.60	68.20	-18.60	Peak	53	267	Horizontal
5854.276	50.37	68.20	-17.83	Peak	80	364	Horizontal
5857.092	49.95	68.20	-18.25	Peak	352	400	Vertical

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

No other emissions found within 10 dB of the limit.

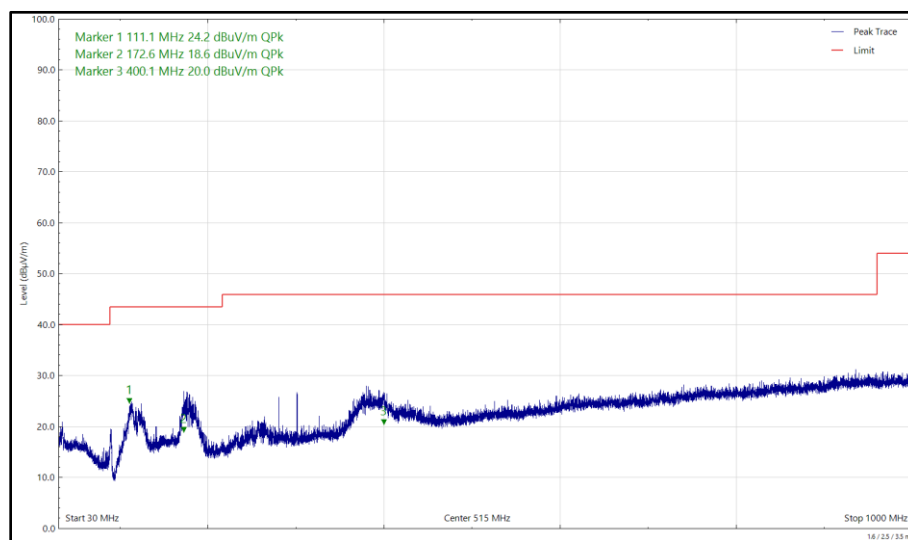


Figure 237 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

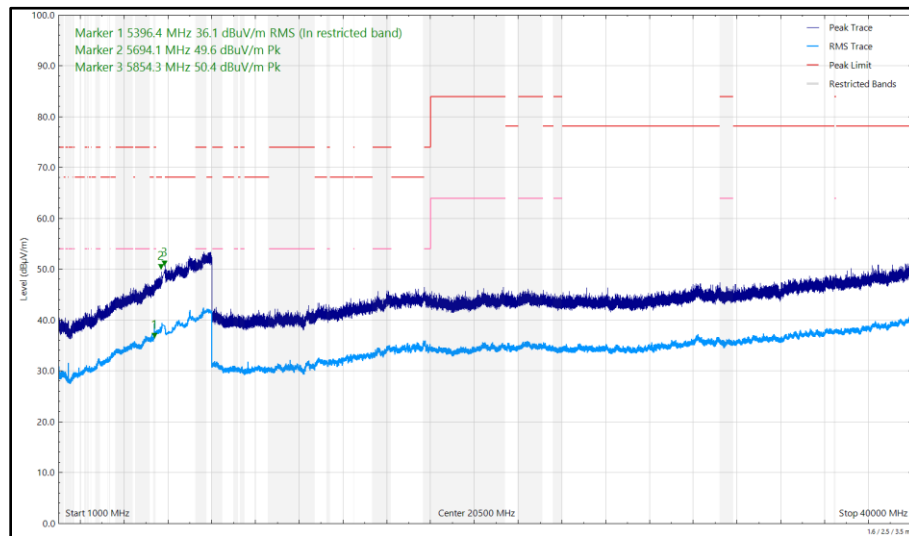


Figure 238 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

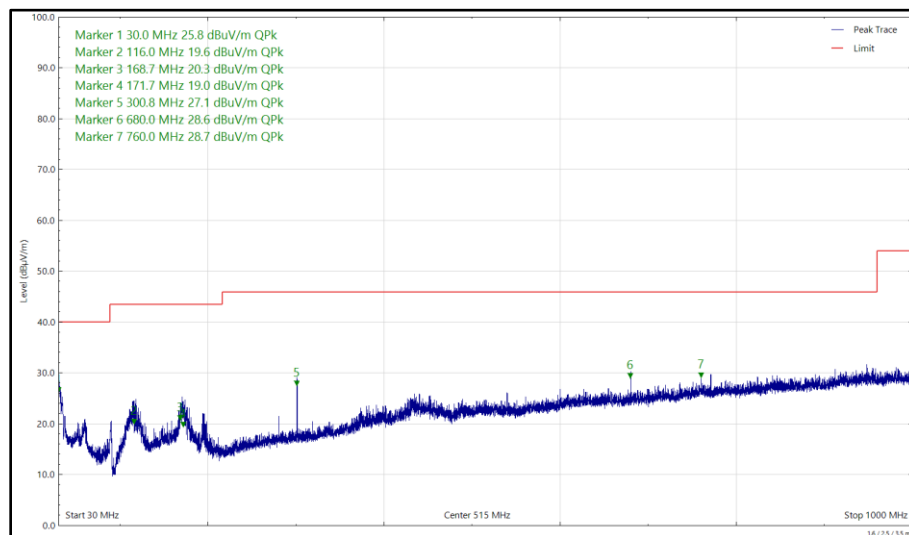


Figure 239 - 5788 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

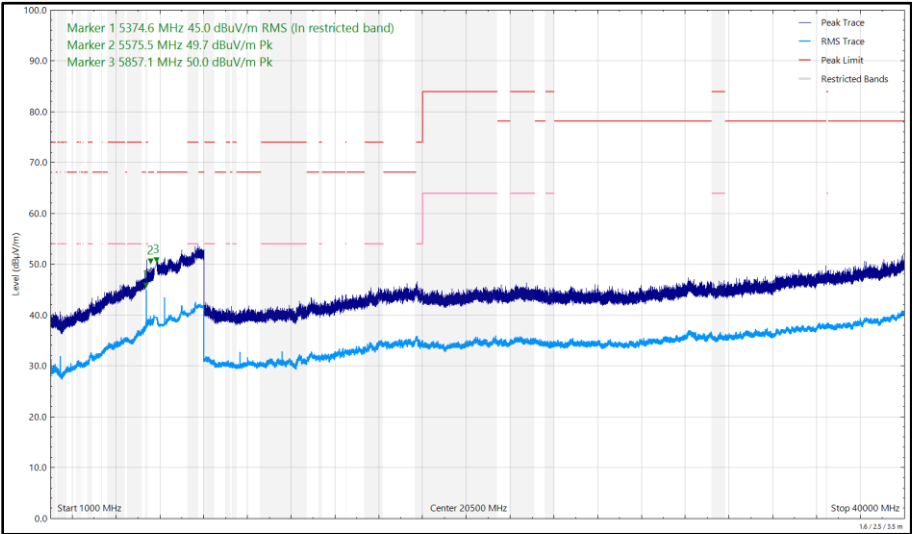


Figure 240 - 5788 MHz (CH5788), DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4234.453	33.52	54.00	-20.48	RMS	217	100	Vertical
5009.250	37.32	54.00	-16.68	RMS	358	300	Vertical
5426.525	46.49	54.00	-7.51	RMS	347	300	Vertical
5426.560	40.91	54.00	-13.09	RMS	293	397	Horizontal
5661.597	49.43	68.20	-18.77	Peak	0	390	Horizontal
5723.887	51.05	68.20	-17.15	Peak	13	225	Vertical
5865.327	52.27	68.20	-15.93	Peak	8	278	Vertical
5871.486	50.84	68.20	-17.36	Peak	90	300	Horizontal

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

No other emissions found within 10 dB of the limit.

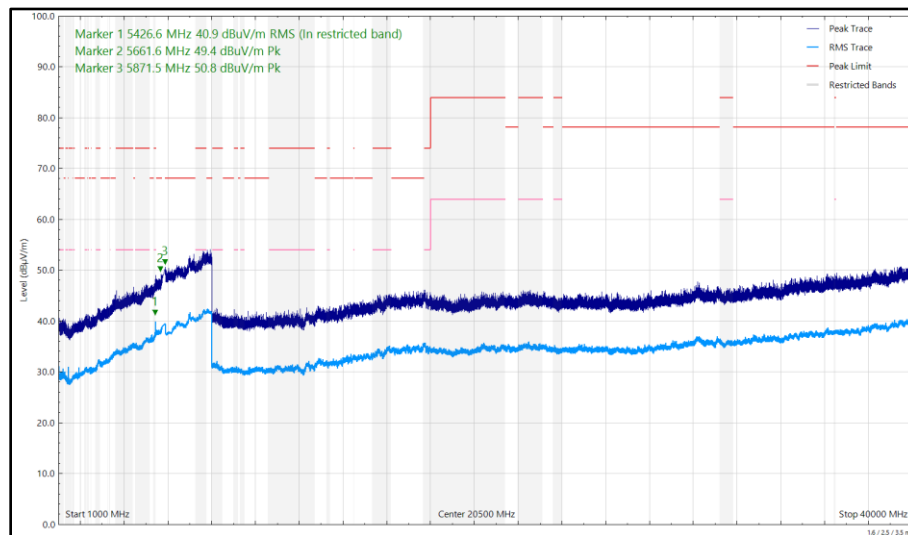


Figure 241 - 5844 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

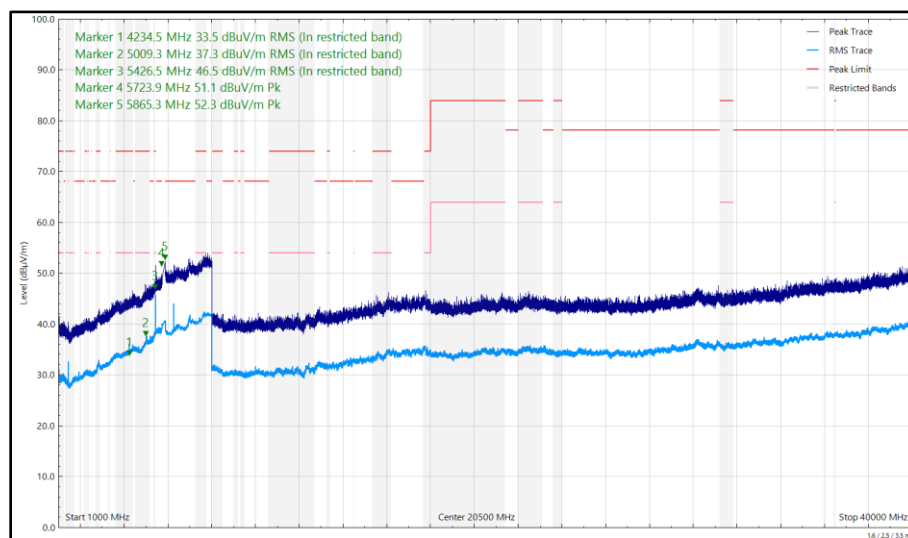


Figure 242 - 5844 MHz (CH5844), DH5, iPA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5119.900	39.51	54.00	-14.49	RMS	0	312	Vertical
5401.880	39.83	54.00	-14.17	RMS	350	326	Vertical
5457.663	37.50	54.00	-16.50	RMS	298	314	Horizontal
5521.664	52.25	68.20	-15.95	Peak	360	324	Vertical
5525.193	49.30	68.20	-18.90	Peak	246	350	Horizontal
7608.420	42.47	54.00	-11.53	RMS	340	327	Vertical
7610.025	42.49	54.00	-11.51	RMS	162	191	Horizontal

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

No other emissions found within 10 dB of the limit.

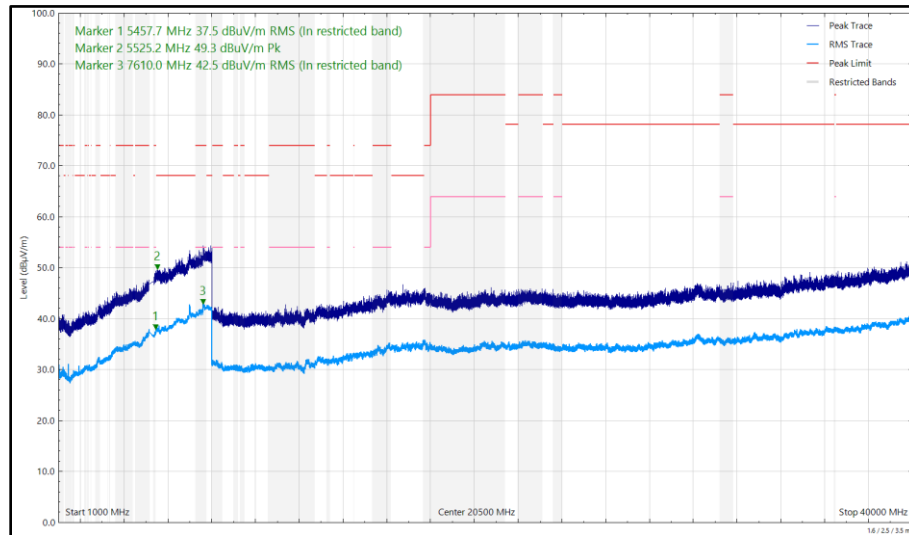


Figure 243 - 5162 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

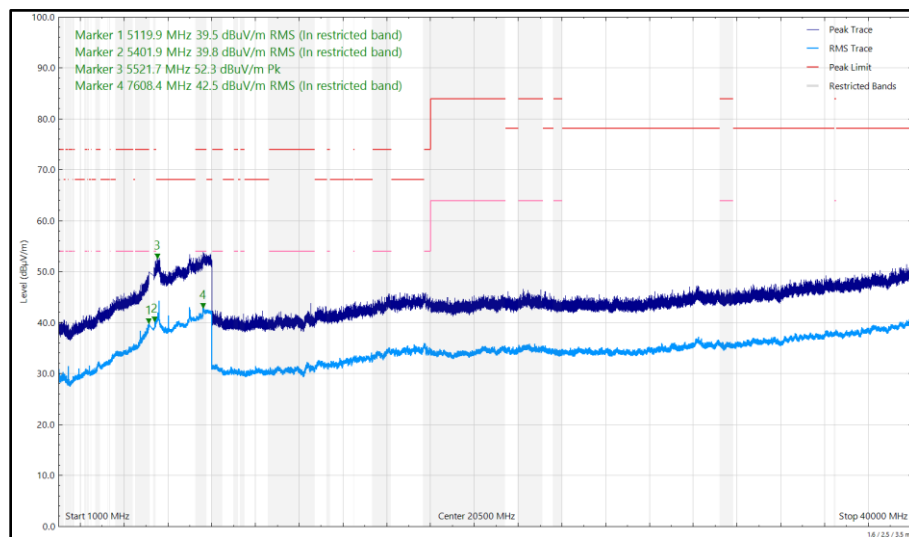


Figure 244 - 5162 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
31.891	17.55	40.00	-22.45	Q-Peak	125	115	Horizontal
31.977	23.95	40.00	-16.05	Q-Peak	360	100	Vertical
88.850	16.93	43.50	-26.57	Q-Peak	350	392	Horizontal
110.652	23.70	43.50	-19.80	Q-Peak	343	277	Horizontal
111.285	19.20	43.50	-24.30	Q-Peak	250	240	Vertical
166.070	19.67	43.50	-23.83	Q-Peak	0	100	Vertical
178.155	18.68	43.50	-24.82	Q-Peak	350	265	Horizontal
300.846	24.51	46.00	-21.49	Q-Peak	350	248	Vertical
300.878	26.06	46.00	-19.94	Q-Peak	277	101	Horizontal
384.640	22.90	46.00	-23.10	Q-Peak	359	100	Horizontal
679.995	27.12	46.00	-18.88	Q-Peak	350	288	Vertical
759.985	28.41	46.00	-17.59	Q-Peak	7	248	Vertical
4769.330	39.66	54.00	-14.34	RMS	0	288	Vertical
5442.740	39.76	54.00	-14.24	RMS	0	311	Vertical
5446.686	36.69	54.00	-17.31	RMS	39	294	Horizontal
5465.500	49.54	68.20	-18.66	Peak	296	344	Horizontal
6979.616	53.65	68.20	-14.55	Peak	358	262	Vertical
7605.292	53.95	74.00	-20.05	Peak	5	229	Horizontal
7610.195	42.49	54.00	-11.51	RMS	356	282	Vertical
7610.799	42.48	54.00	-11.52	RMS	336	373	Horizontal
7613.029	54.75	74.00	-19.25	Peak	350	189	Vertical

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

No other emissions found within 10 dB of the limit.

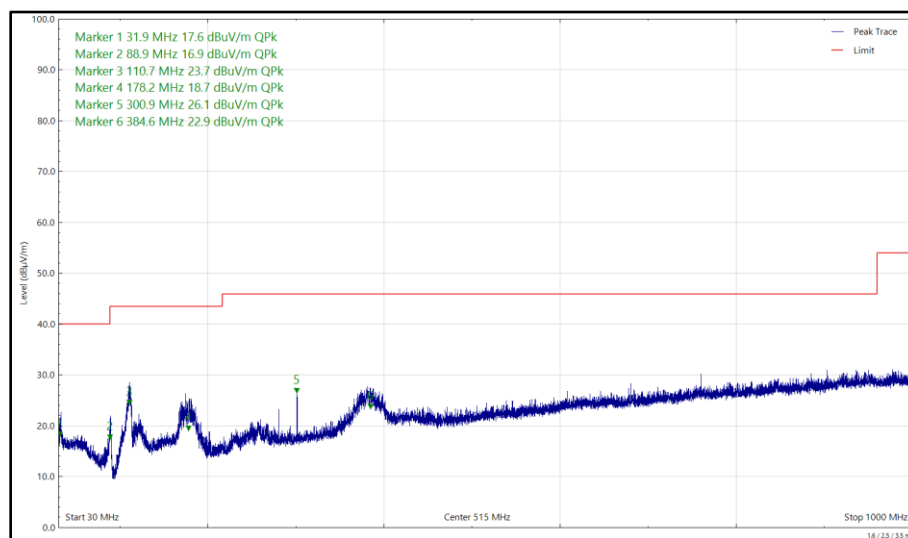


Figure 245 - 5203 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

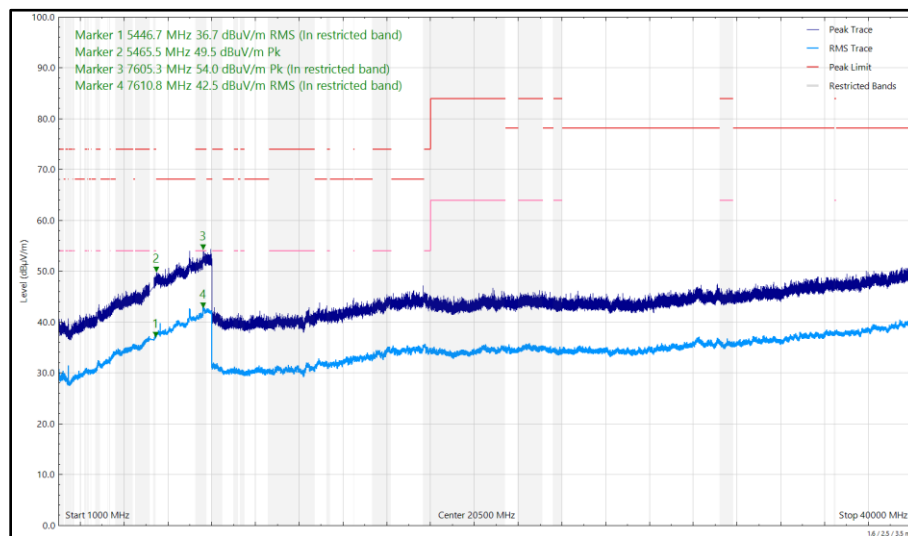


Figure 246 - 5203 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

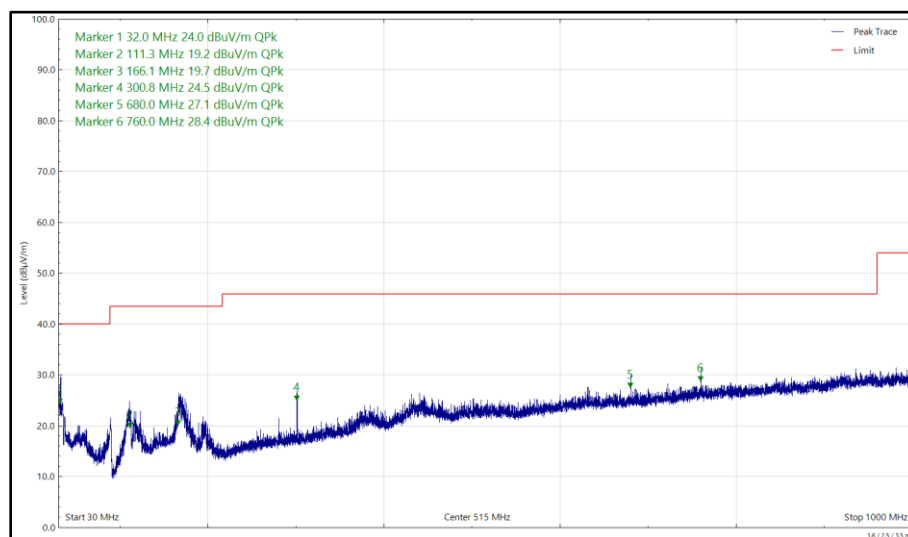


Figure 247 - 5203 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

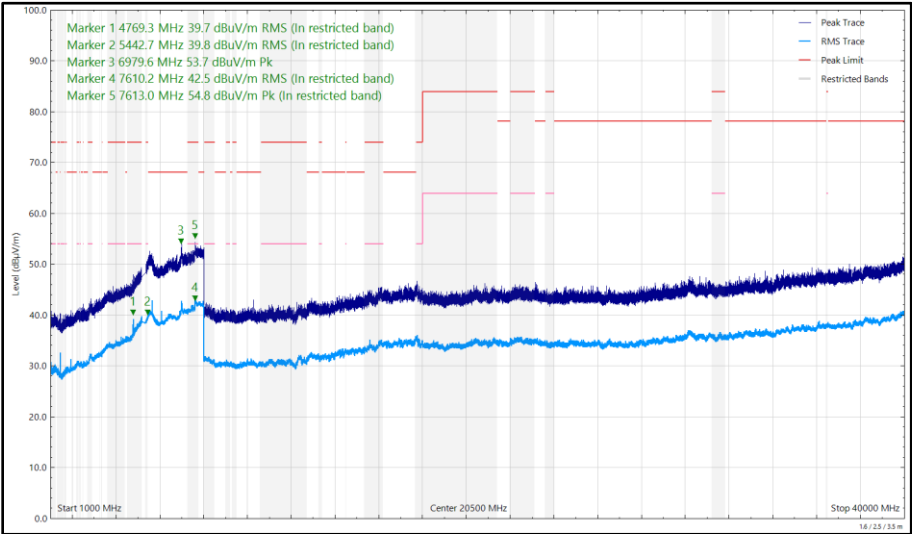


Figure 248 - 5203 MHz (CH5203), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4807.970	40.18	54.00	-13.82	RMS	28	266	Vertical
5449.738	39.67	54.00	-14.33	RMS	350	351	Vertical
5455.021	36.71	54.00	-17.29	RMS	235	400	Horizontal
5590.482	49.66	68.20	-18.54	Peak	60	382	Horizontal
5633.694	51.81	68.20	-16.39	Peak	360	265	Vertical
7603.306	54.59	74.00	-19.41	Peak	107	100	Horizontal
7607.680	42.47	54.00	-11.53	RMS	158	190	Vertical
7608.025	42.52	54.00	-11.48	RMS	318	168	Horizontal

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

No other emissions found within 10 dB of the limit.

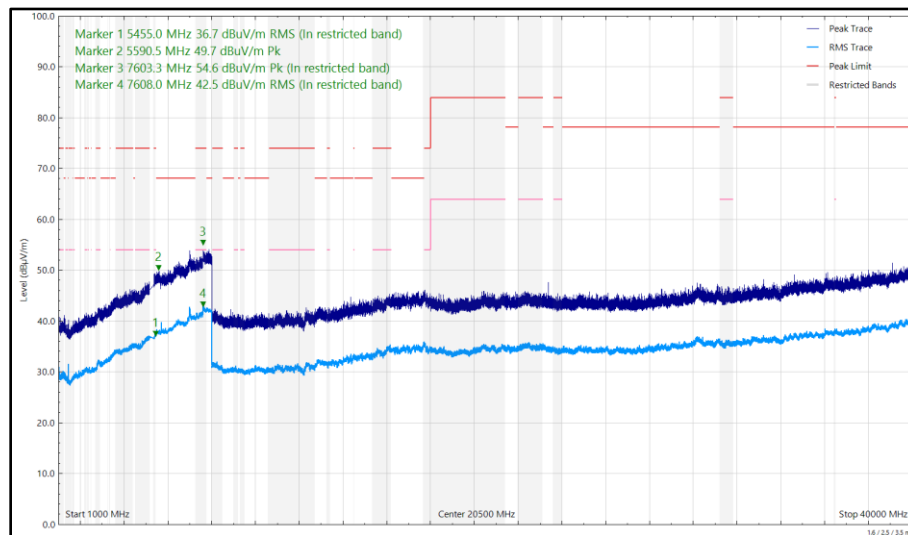


Figure 249 - 5245 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

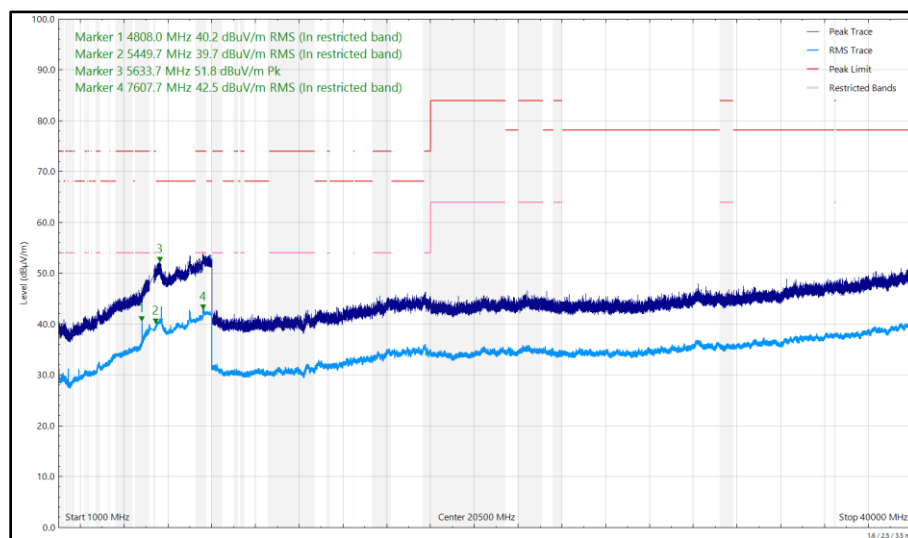


Figure 250 - 5245 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5323.375	57.42	68.20	-10.78	Peak	346	298	Vertical
5323.645	51.74	68.20	-16.46	Peak	285	400	Horizontal
5906.328	51.79	68.20	-16.41	Peak	353	319	Vertical

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

No other emissions found within 10 dB of the limit.

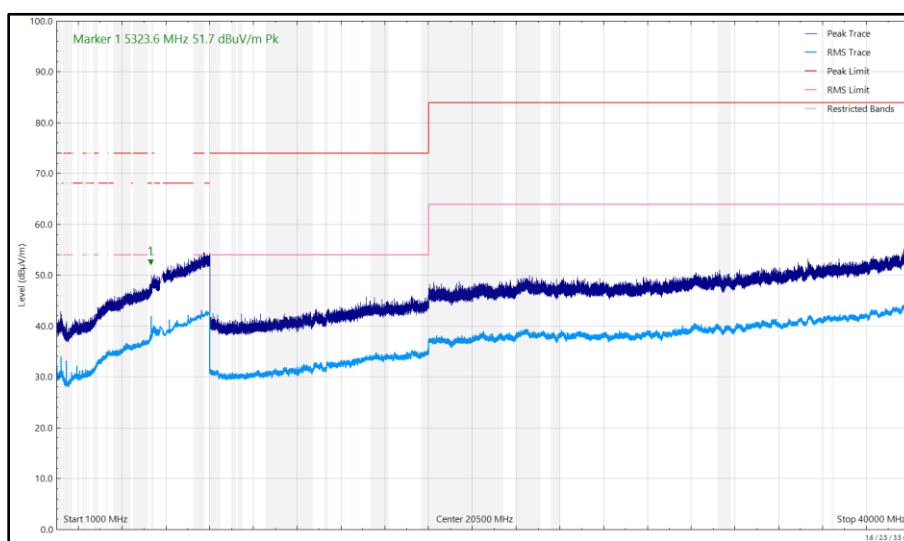


Figure 251 - 5733 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

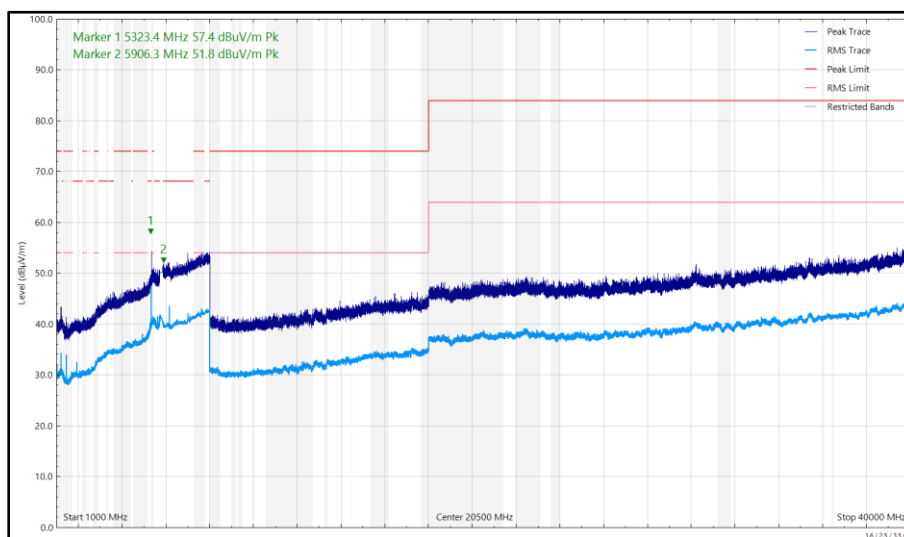


Figure 252 - 5733 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
30.079	25.32	40.00	-14.68	Q-Peak	263	100	Vertical
88.889	17.42	43.50	-26.08	Q-Peak	360	240	Horizontal
110.660	23.33	43.50	-20.17	Q-Peak	349	278	Horizontal
110.791	20.10	43.50	-23.40	Q-Peak	253	129	Vertical
165.578	19.22	43.50	-24.28	Q-Peak	0	105	Vertical
169.223	16.37	43.50	-27.13	Q-Peak	0	156	Horizontal
300.854	25.48	46.00	-20.52	Q-Peak	294	100	Horizontal
300.858	25.50	46.00	-20.50	Q-Peak	352	240	Vertical
381.462	22.95	46.00	-23.05	Q-Peak	20	100	Horizontal
4961.155	35.49	54.00	-18.51	RMS	47	390	Vertical
5374.355	36.16	54.00	-17.84	RMS	6	384	Horizontal
5374.550	48.22	54.00	-5.78	RMS	345	344	Vertical
5565.441	51.94	68.20	-16.26	Peak	359	247	Vertical
5718.770	49.85	68.20	-18.35	Peak	178	110	Horizontal
5867.650	49.64	68.20	-18.56	Peak	145	303	Horizontal
5878.493	52.17	68.20	-16.03	Peak	348	292	Vertical

Table 117 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

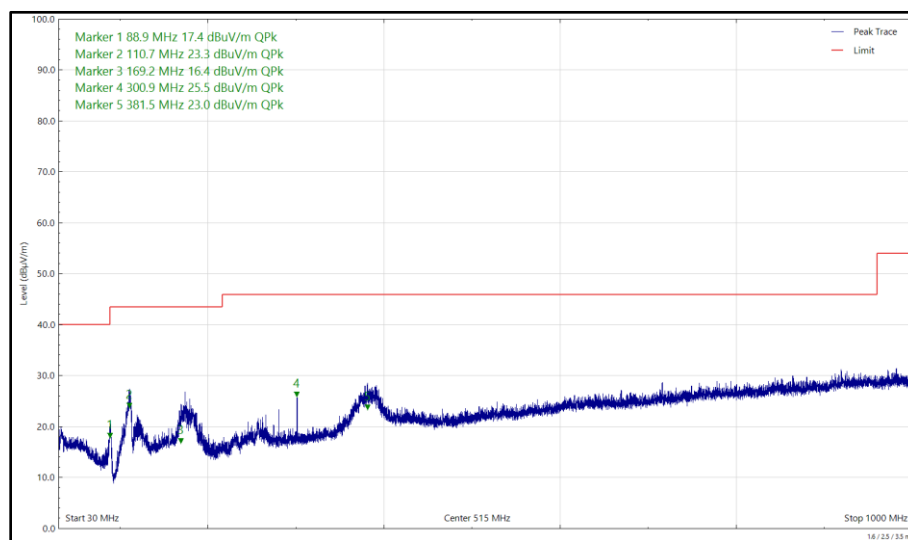


Figure 253 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

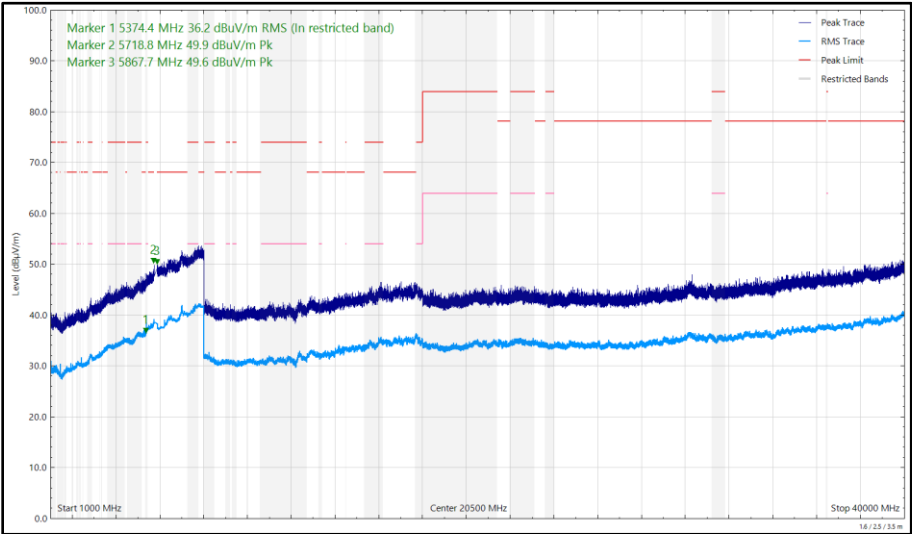


Figure 254 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

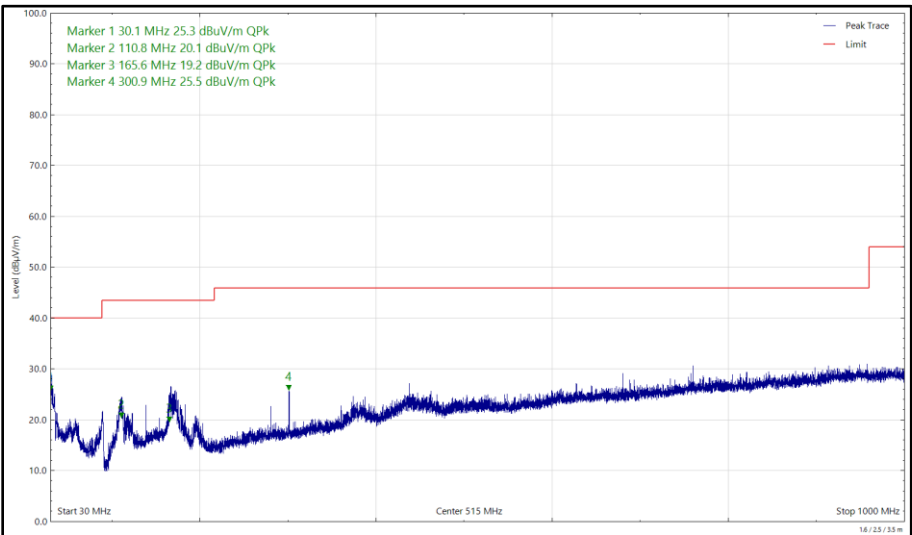


Figure 255 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

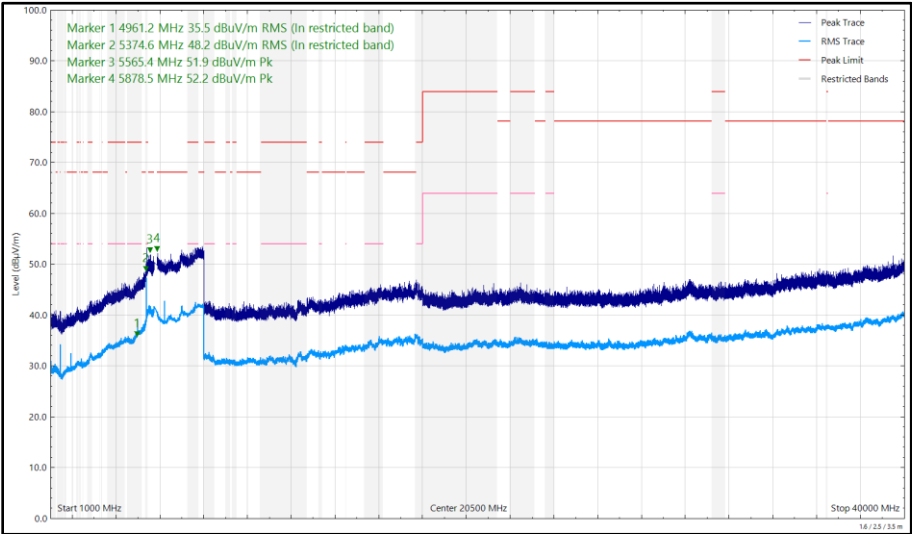


Figure 256 - 5788 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5009.140	39.27	54.00	-14.73	RMS	354	321	Vertical
5426.375	54.17	74.00	-19.83	Peak	5	346	Vertical
5426.565	40.35	54.00	-13.65	RMS	304	341	Horizontal
5426.665	45.30	54.00	-8.70	RMS	5	346	Vertical
5549.925	52.71	68.20	-15.49	Peak	360	250	Vertical
5719.858	49.78	68.20	-18.42	Peak	0	305	Horizontal
5865.584	53.89	68.20	-14.31	Peak	347	272	Vertical
5866.516	50.60	68.20	-17.60	Peak	197	356	Horizontal

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

No other emissions found within 10 dB of the limit.

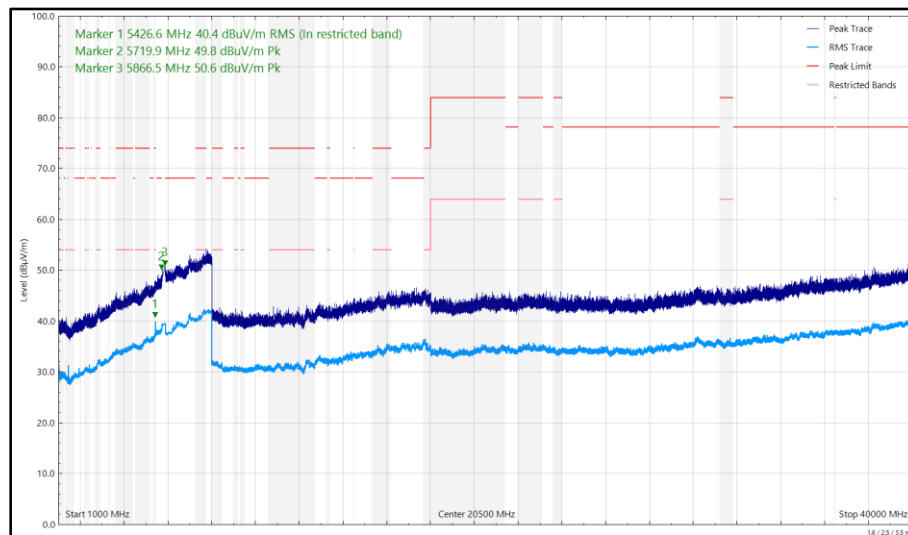


Figure 257 - 5844 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

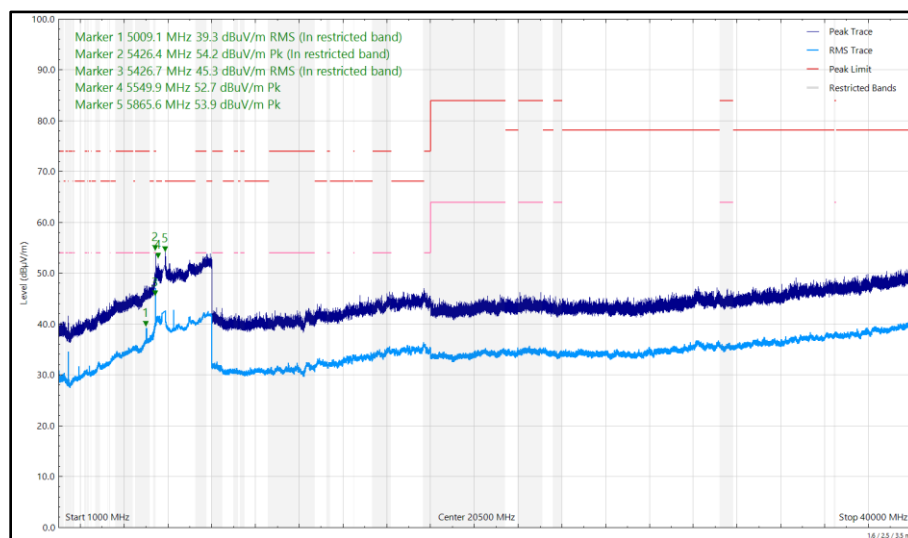


Figure 258 - 5844 MHz, HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



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 and RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.4.2 V.	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-May-2025
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5933	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
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	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
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	20-May-2025
Cable (N to N 1m)	Junkosha	MWX221-01000AMSAMS/B	6009	12	20-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	05-May-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	11-Dec-2024
Digital Multimeter	Fluke	115	6146	12	06-Jun-2025
Humidity & Temperature meter	R.S Components	1364	6148	12	29-Jul-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
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	23-Apr-2025
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6198	12	03-Jun-2025
Attenuator 4dB	Pasternack	PE7074-4	6204	24	20-Jun-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
Cable (SMA to SMA 8m)	Junkosha	MWX221-08000AMSAMS/B	6318	12	18-Feb-2025
EMC Test Receiver	Rohde & Schwarz	ESW44	6333	12	16-Feb-2025
8 GHz High Pass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6427	12	23-Apr-2025



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	6456	24	10-Feb-2025
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	07-Feb-2026
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	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
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
AC Programmable Power Supply	iTech	IT7324	6812	-	O/P Mon
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	18-Jul-2025
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6834	12	14-Aug-2025
Handheld Hygrometer	Fluke	971	6838	12	27-Aug-2025
Cable Assembly	SpecTech	PE300-60	6861	-	TU
Cable Assembly	SpecTech	PE300-60	6862	-	TU
Cable Assembly	SpecTech	PE300-60	6863	-	TU
Cable Assembly	SpecTech	PE300-60	6866	-	TU
Cable Assembly	SpecTech	PE300-60	6867	-	TU

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	± 84.30 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.