

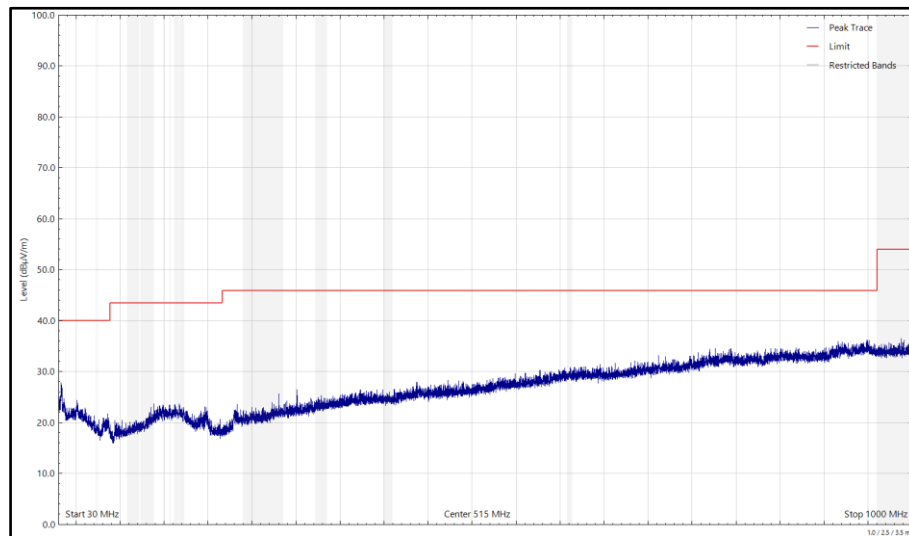


Figure 538 - 2440 MHz, LE1M, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

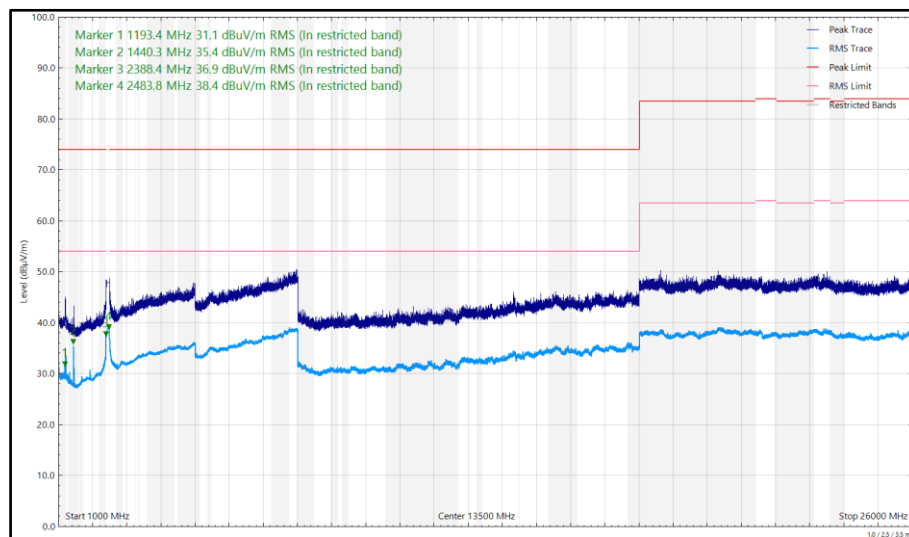


Figure 539 - 2440 MHz, LE1M, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.164	31.76	54.00	-22.24	RMS	120	305	Vertical
1440.113	31.44	54.00	-22.56	RMS	118	275	Vertical
2389.393	36.37	54.00	-17.63	RMS	355	330	Vertical
2498.622	35.56	54.00	-18.44	RMS	52	379	Vertical

Table 245 - 2480 MHz, LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

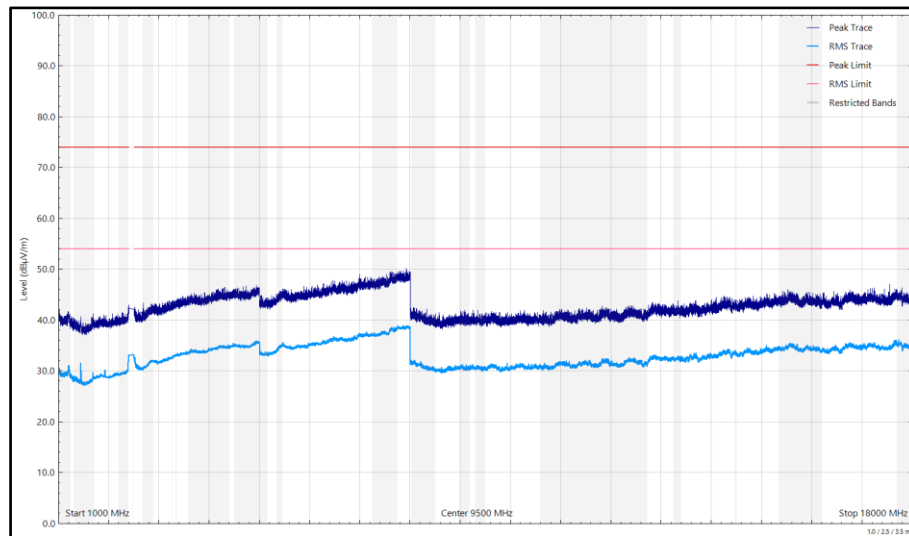


Figure 540 - 2480 MHz, LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

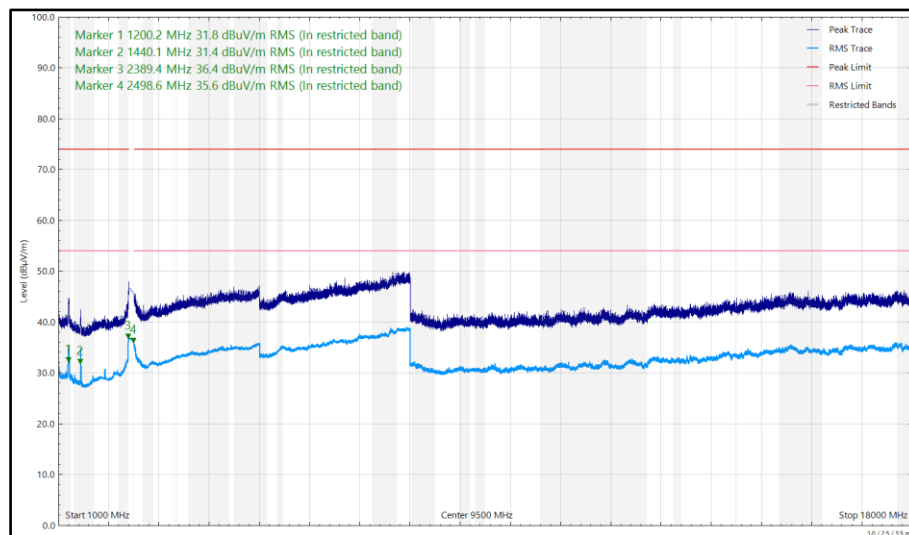


Figure 541 - 2480 MHz, LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1201.339	31.03	54.00	-22.97	RMS	29	207	Vertical
1440.101	31.03	54.00	-22.97	RMS	114	323	Vertical

Table 246 - 2440 MHz, HDR8, iPA, Core 0 + Core 1, 30MHz to 26 GHz

No other emissions found within 20 dB of the limit.

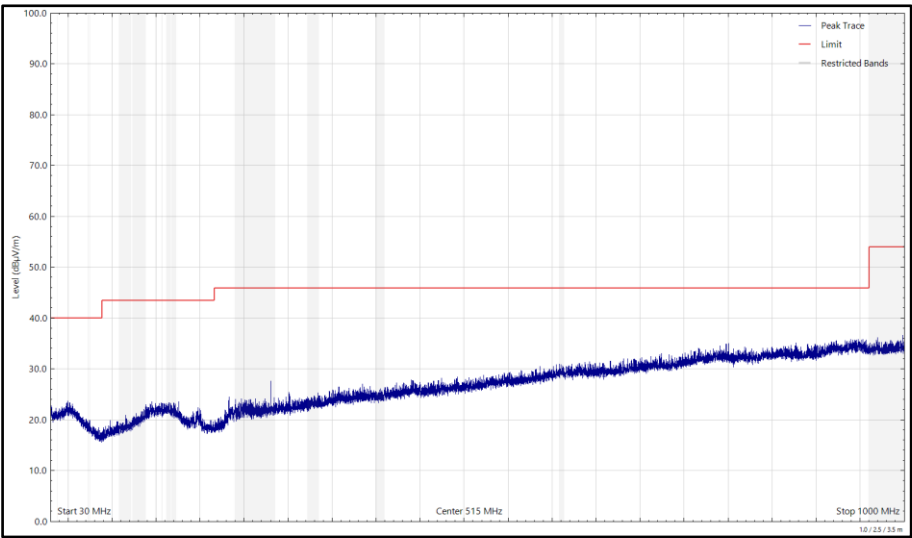


Figure 542 - 2440 MHz, HDR8, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

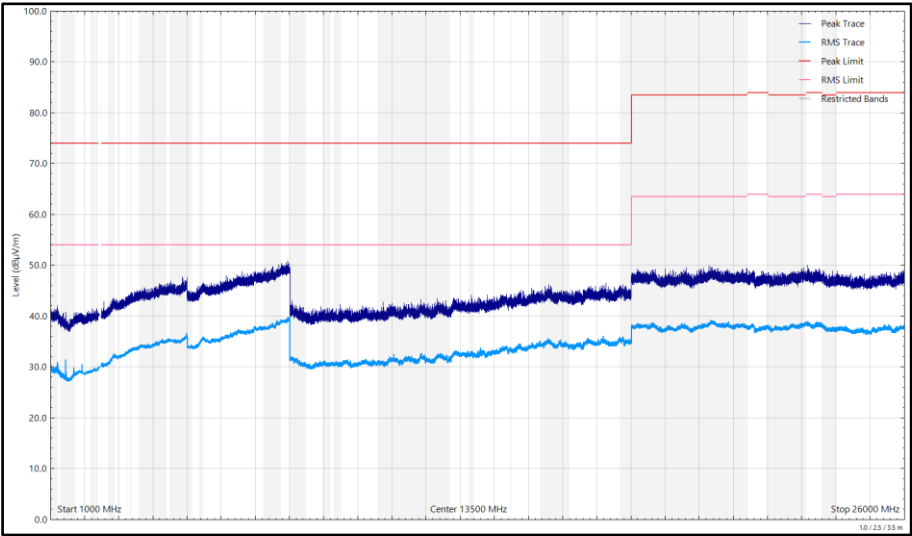


Figure 543 - 2440 MHz, HDR8, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

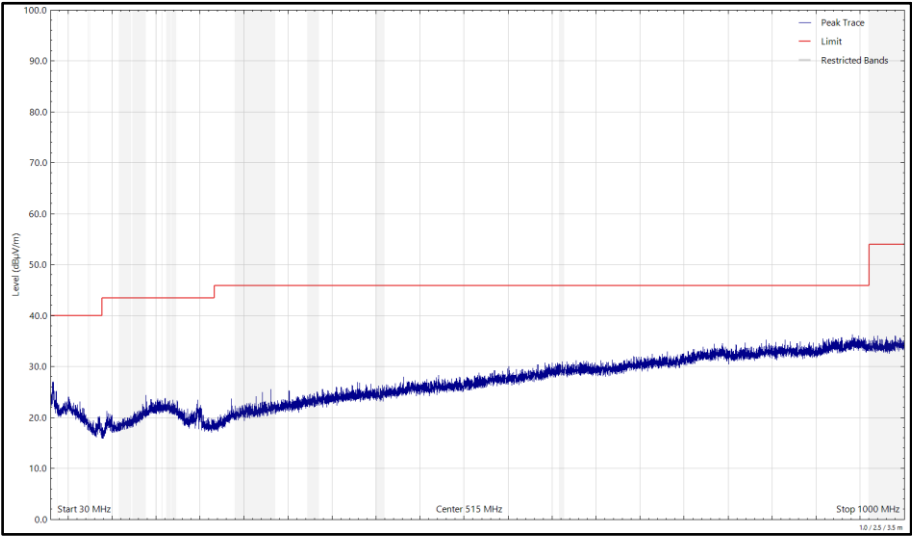


Figure 544 - 2440 MHz, HDR8, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

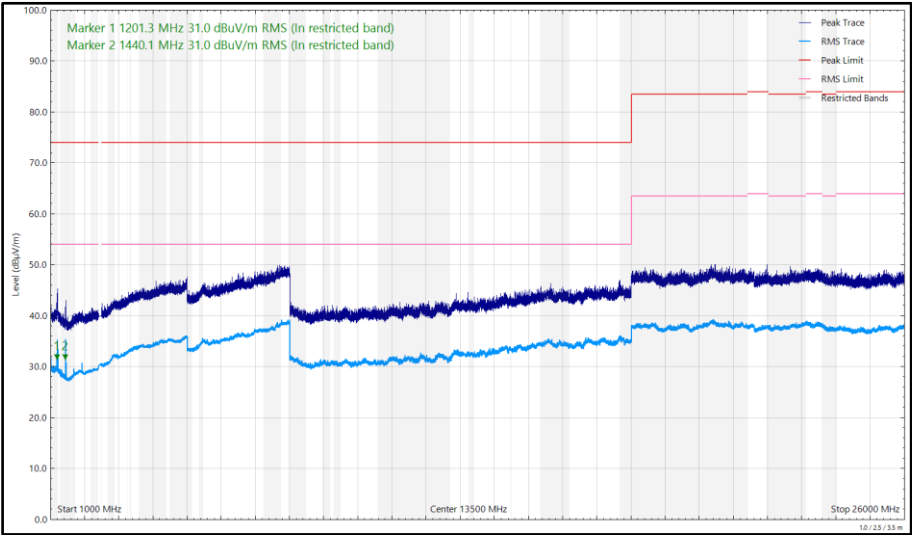


Figure 545 - 2440 MHz, HDR8, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.514	33.32	54.00	-20.68	RMS	117	185	Vertical
1440.197	30.40	54.00	-23.60	RMS	118	177	Vertical

Table 247 - 2440 MHz, HDR8, iPA, Core 2, 30MHz to 26 GHz

No other emissions found within 20 dB of the limit.

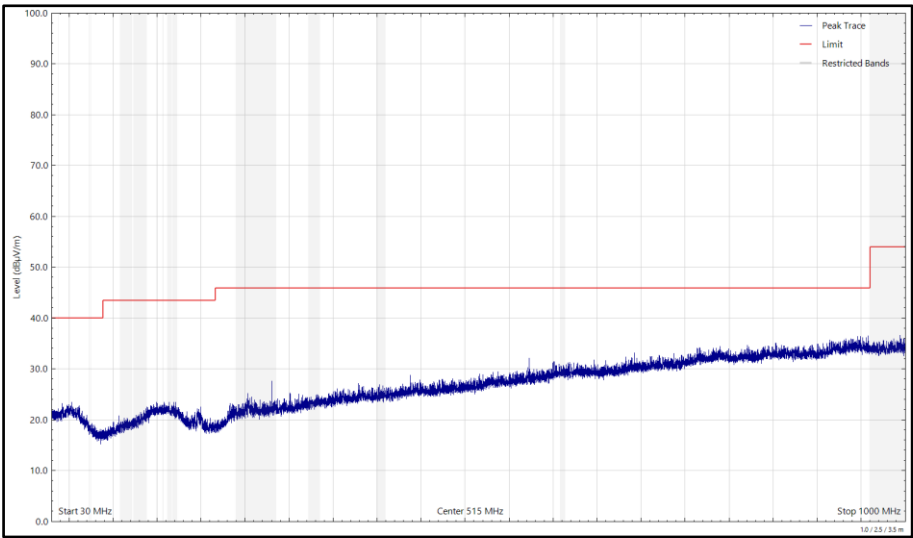


Figure 546 - 2440 MHz, HDR8, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

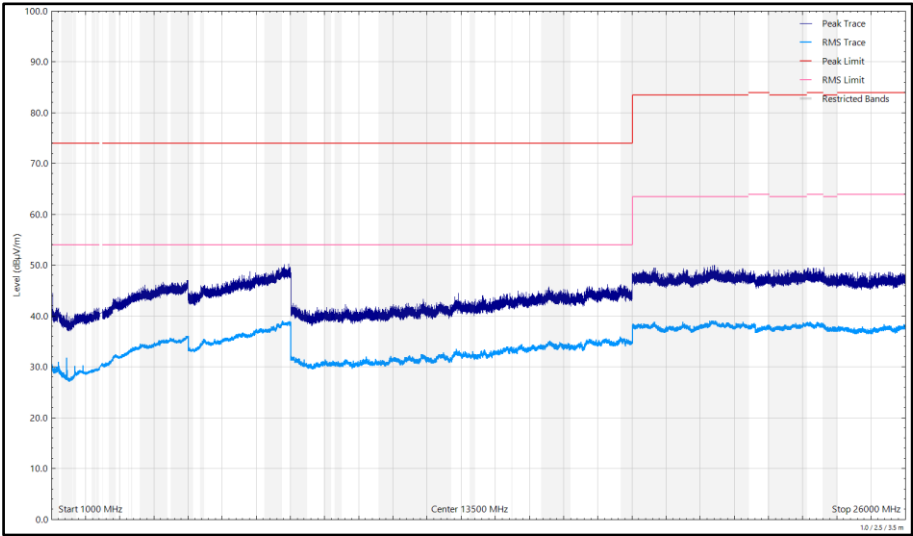


Figure 547 - 2440 MHz, HDR8, iPA, Core 2, 1 GHz to 26 GHz, Horizontal

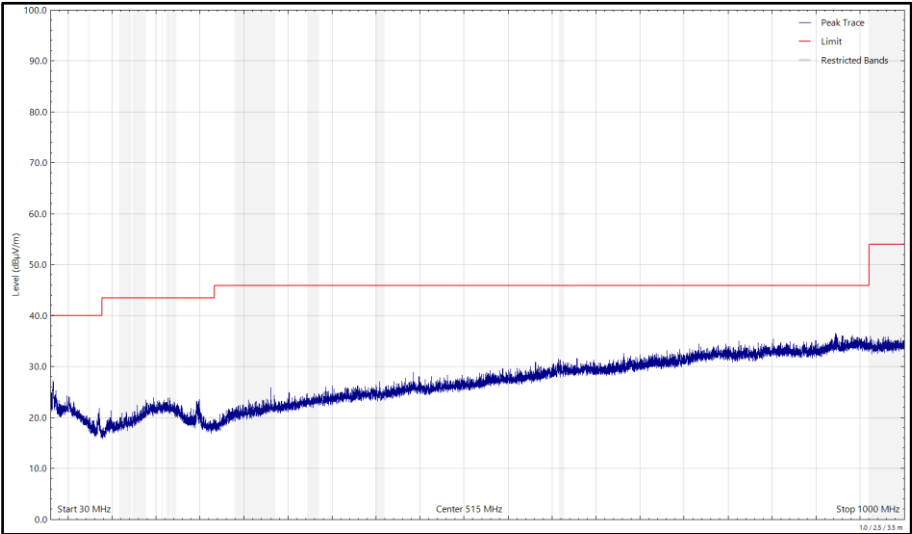


Figure 548 - 2440 MHz, HDR8, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

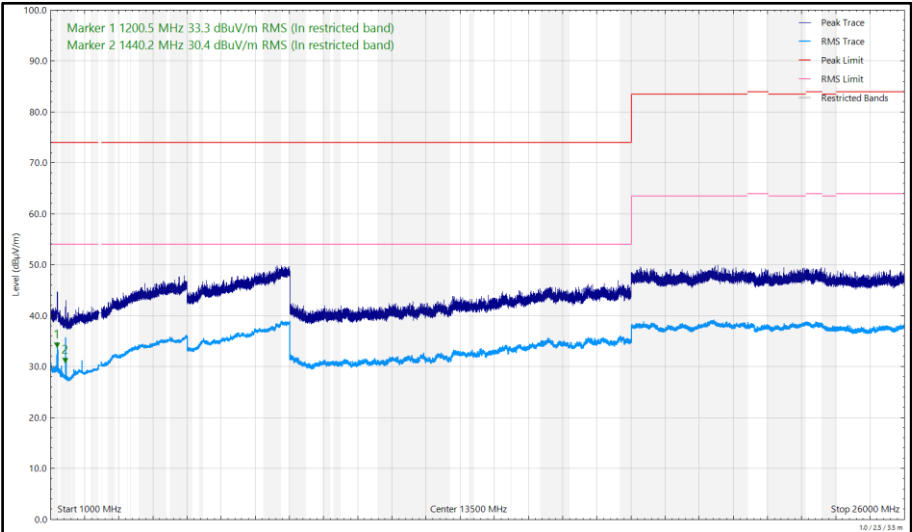


Figure 549 - 2440 MHz, HDR8, iPA, Core 2, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.322	31.29	54.00	-22.71	RMS	29	301	Vertical
1440.101	32.13	54.00	-21.87	RMS	111	240	Vertical
2389.869	34.39	54.00	-19.61	RMS	20	373	Vertical
2483.534	36.08	54.00	-17.92	RMS	35	400	Vertical

Table 248 - 2440 MHz, HDR8, ePA, Core 0 + Core 1, 30MHz to 26 GHz

No other emissions found within 20 dB of the limit.

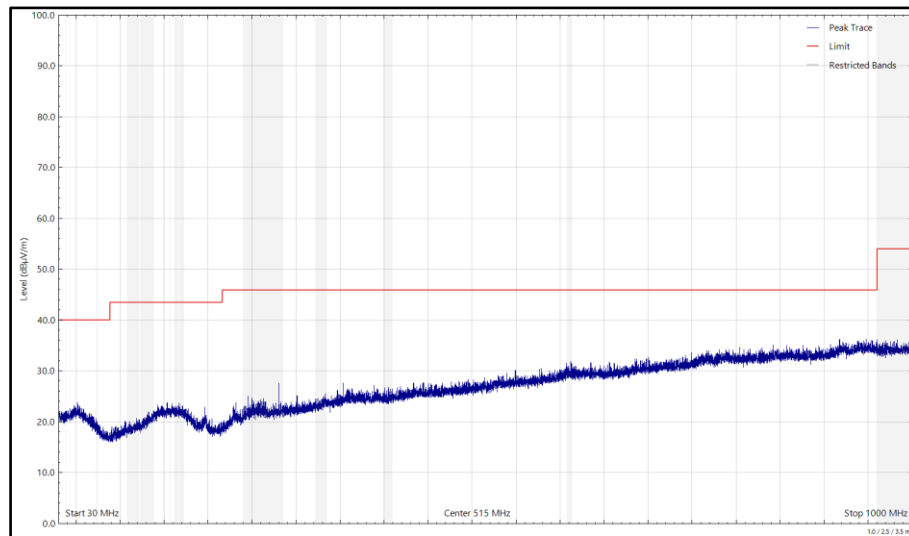


Figure 550 - 2440 MHz, HDR8, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

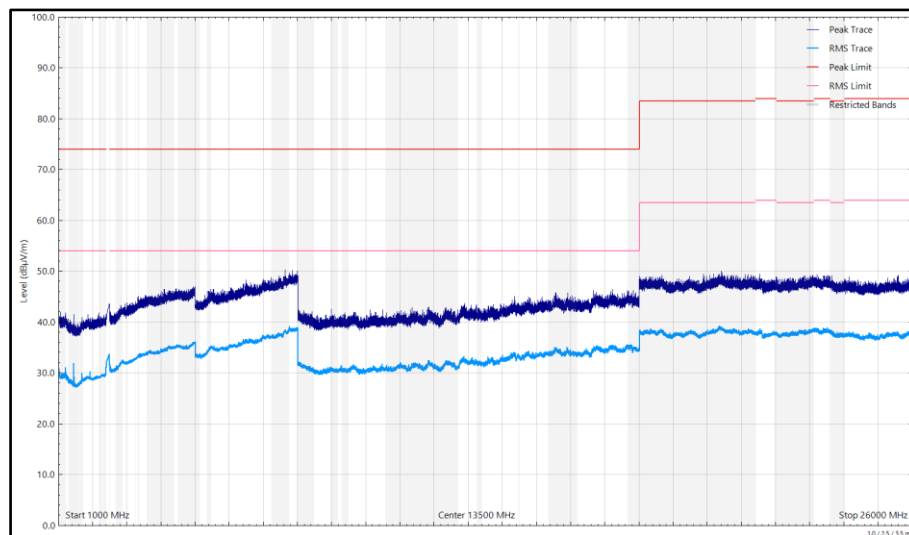


Figure 551 - 2440 MHz, HDR8, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

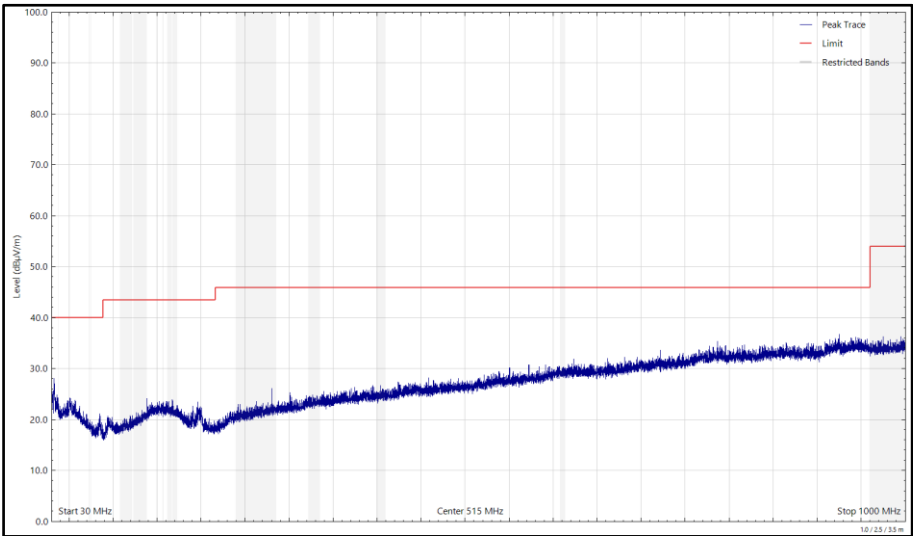


Figure 552 - 2440 MHz, HDR8, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

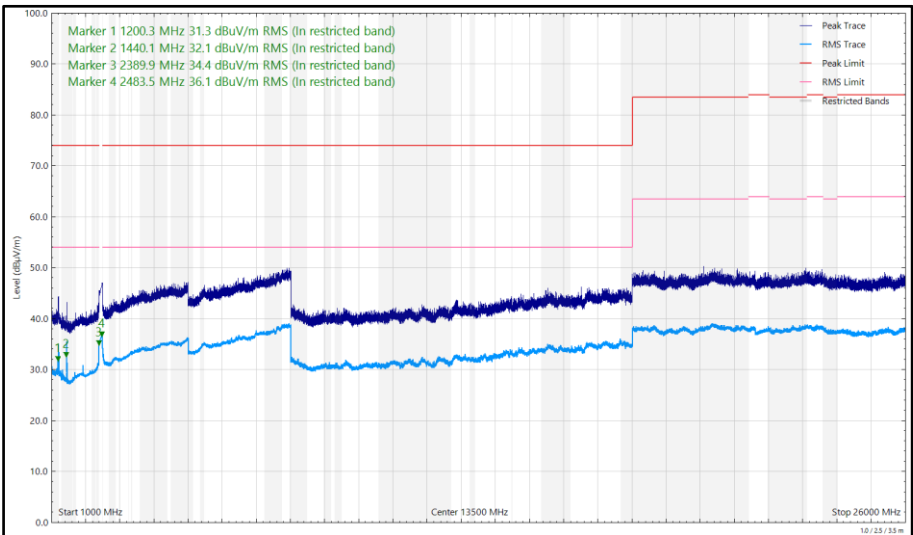


Figure 553 - 2440 MHz, HDR8, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1193.895	31.55	54.00	-22.45	RMS	118	199	Vertical
1440.281	32.00	54.00	-22.00	RMS	127	383	Vertical

Table 249 - 2440 MHz, HDT4, iPA, Core 0 + Core 1, 30MHz to 26 GHz

No other emissions found within 20 dB of the limit.

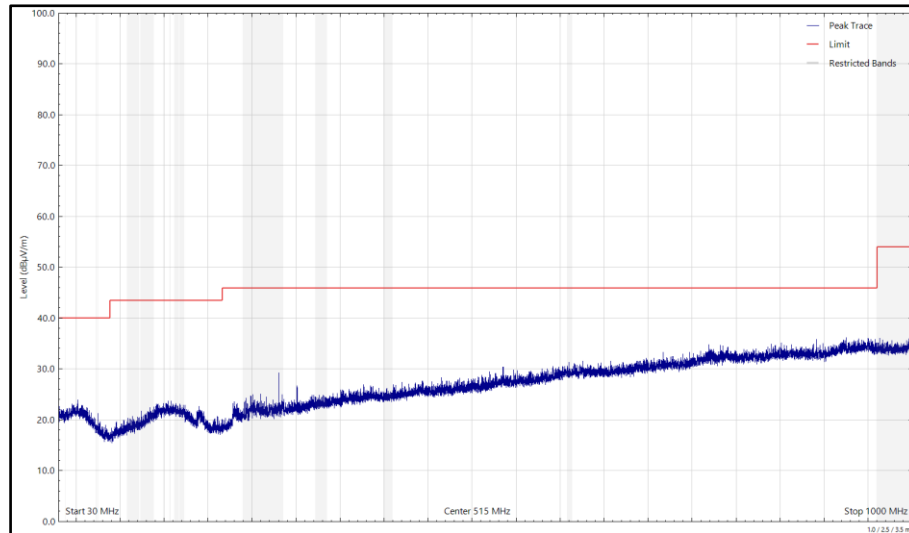


Figure 554 - 2440 MHz, HDT4, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

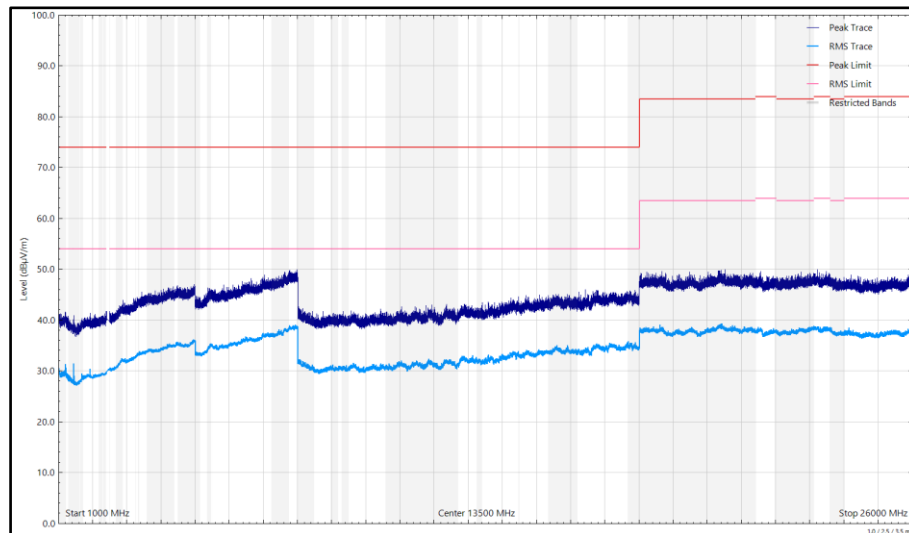


Figure 555 - 2440 MHz, HDT4, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

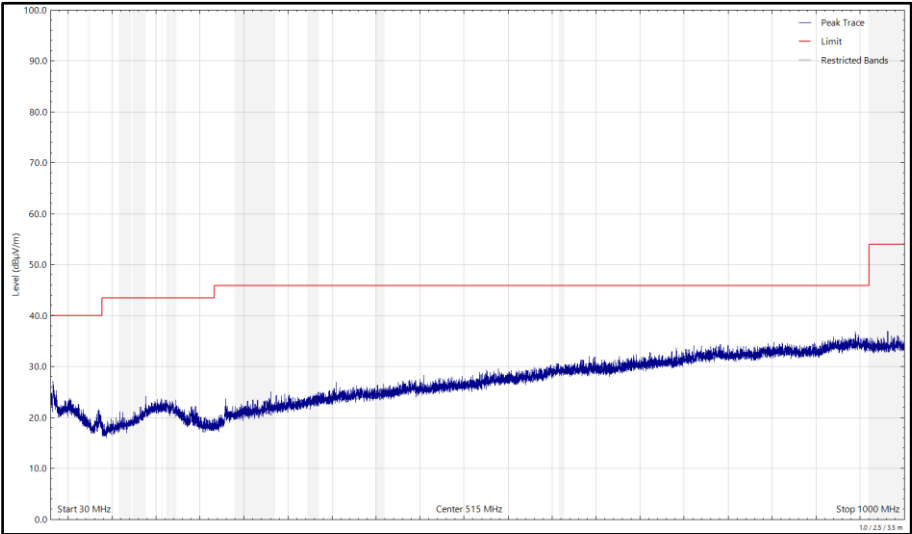


Figure 556 - 2440 MHz, HDT4, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

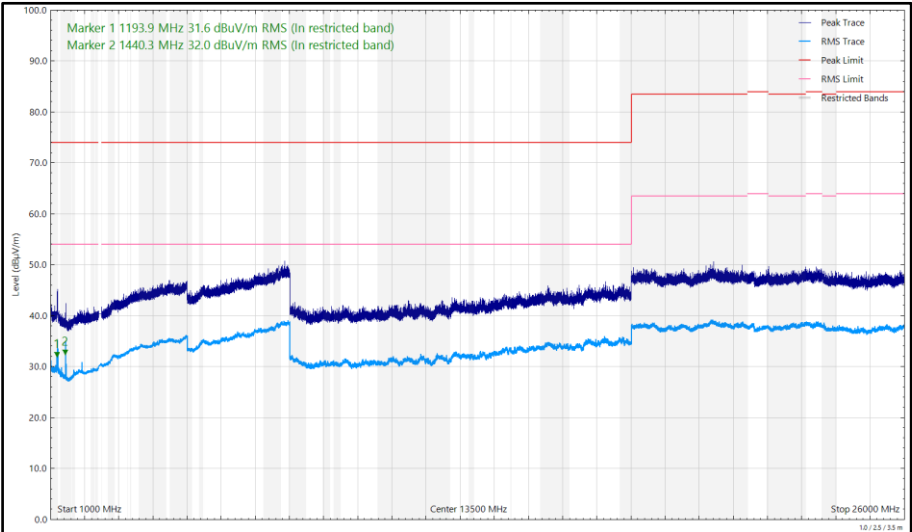


Figure 557 - 2440 MHz, HDT4, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.731	29.65	54.00	-24.35	RMS	118	347	Vertical
1440.089	29.76	54.00	-24.24	RMS	101	317	Vertical

Table 250 - 2440 MHz, HDT4, iPA, Core 2, 30MHz to 26 GHz

No other emissions found within 20 dB of the limit.

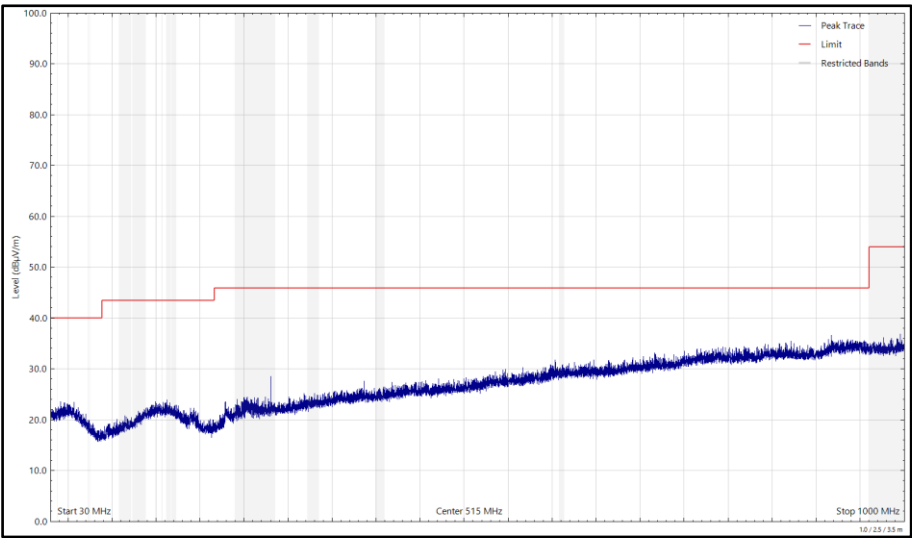


Figure 558 - 2440 MHz, HDT4, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

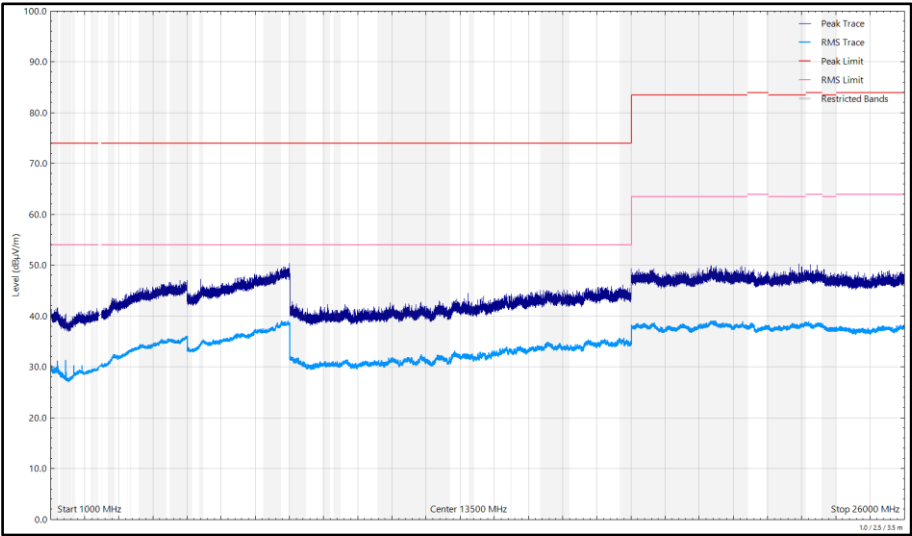


Figure 559 - 2440 MHz, HDT4, iPA, Core 2, 1 GHz to 26 GHz, Horizontal

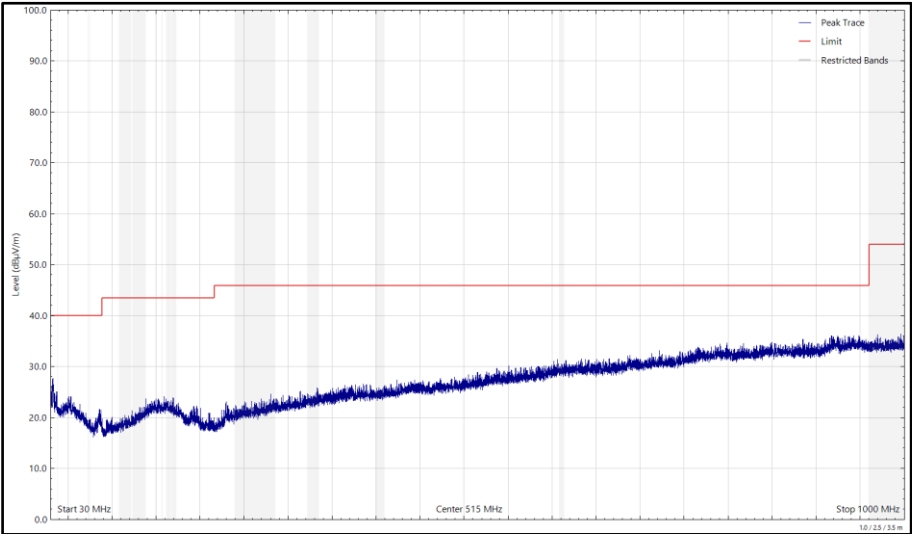


Figure 560 - 2440 MHz, HDT4, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

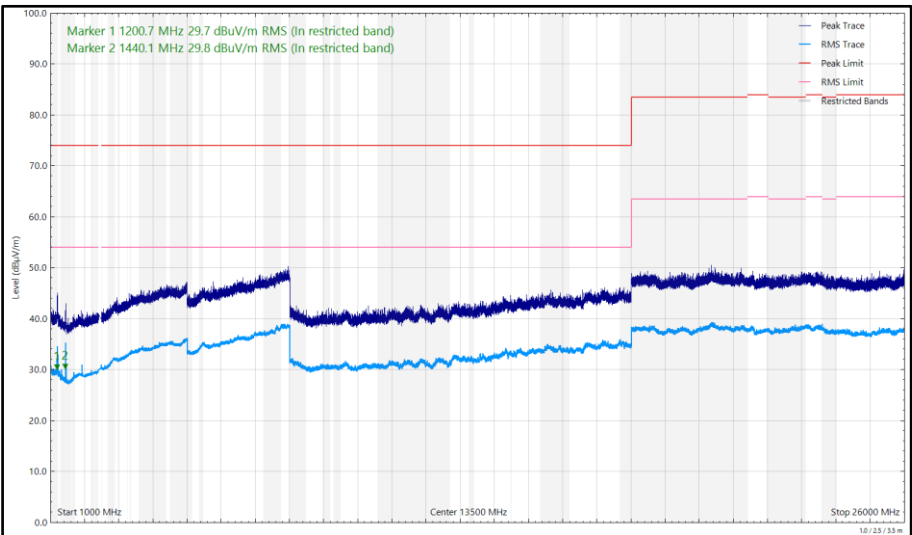


Figure 561 - 2440 MHz, HDT4, iPA, Core 2, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.238	35.01	54.00	-18.99	RMS	32	344	Vertical
1440.221	31.51	54.00	-22.49	RMS	108	169	Vertical
2483.506	33.96	54.00	-20.04	RMS	22	363	Vertical

Table 251 - 2440 MHz, HDT4, ePA, Core 0 + Core 1, 30MHz to 26 GHz

No other emissions found within 20 dB of the limit.

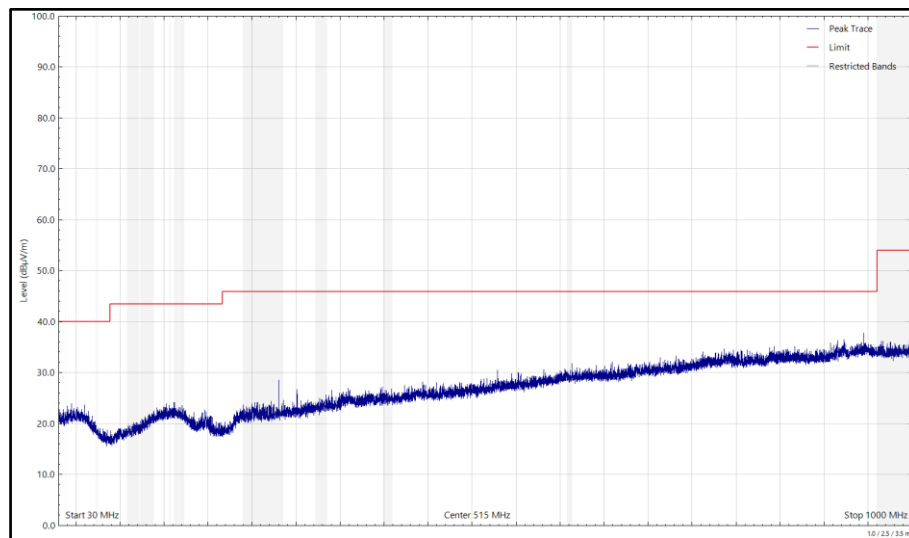


Figure 562 - 2440 MHz, HDT4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

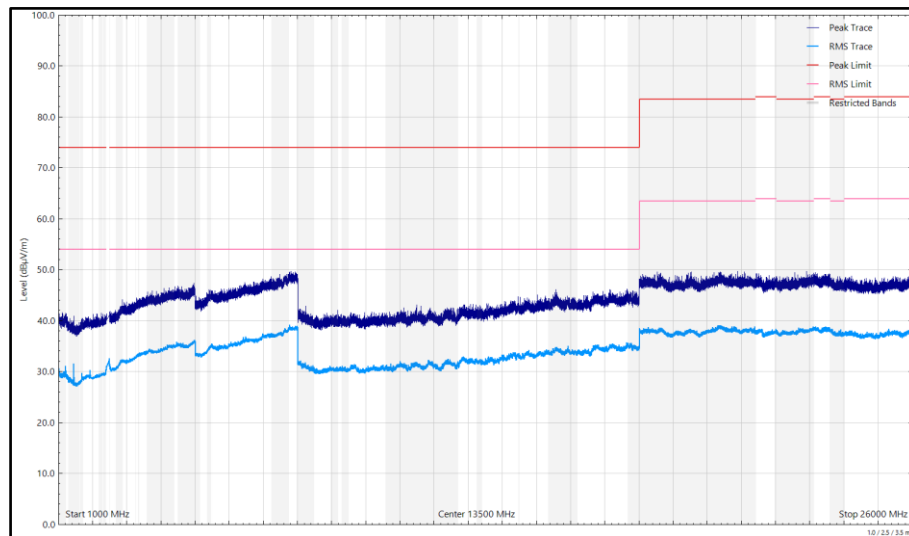


Figure 563 - 2440 MHz, HDT4, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

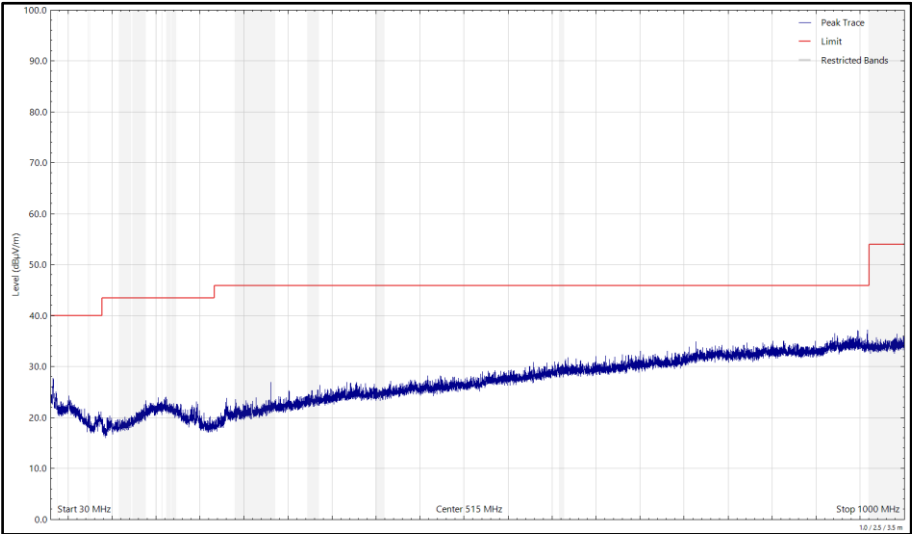


Figure 564 - 2440 MHz, HDT4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

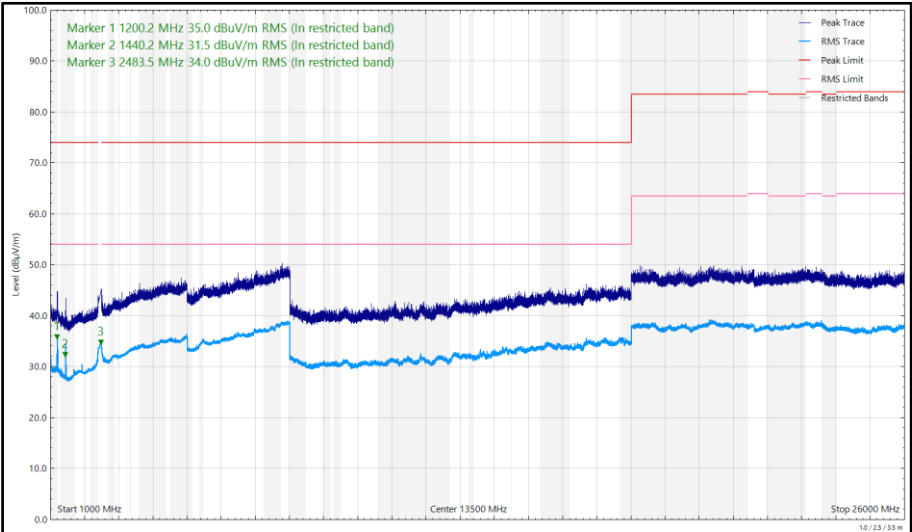


Figure 565 - 2440 MHz, HDT4, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical



FCC 47 CFR Part 15, Limit Clause 15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in 15.209(a)

ISED RSS-247, Limit Clause 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

In addition, radiated emissions which fall in the restricted bands, as defined in RSS-GEN, clause 8.10, must also comply with the radiated emission limits specified in RSS-GEN clause 8.9.

2.5.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.1	5125	-	TU
Test Receiver	Rohde & Schwarz	ESW44	5914	12	17-Jun-2026
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5941	12	18-May-2026
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5942	24	03-Jan-2027
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	TU
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	23-Apr-2028
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5964	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5966	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5967	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5968	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5996	12	23-May-2026
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	14-Sep-2026



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	05-Dec-2026
Digital Multimeter	Fluke	115	6146	12	05-Jun-2026
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6188	24	31-Jul-2026
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6196	12	23-Apr-2026
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6200	12	24-Apr-2026
Attenuator (4 dB)	Pasternack	PE7074-4	6202	24	03-Jan-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6220	12	23-Apr-2026
USB Spectrum Analyser	Signal Hound	SA124B	6297	-	TU
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	6323	12	27-Apr-2026
Humidity and Temperature Meter	R.S Components	1364	6486	12	01-Jul-2026
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6740	12	27-Apr-2026
1M SMA Cable	Junkosha	MWX221-01000AMSAMS/B	6831	12	18-Aug-2026
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	18-Aug-2026
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6834	12	18-Aug-2026
Cable Assembly	Pasternack	PE300-60	6856	-	TU
Cable Assembly	Pasternack	PE300-60	6862	-	TU
Cable Assembly	Pasternack	PE300-60	6868	-	TU
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6976	12	05-Apr-2026

Table 252

TU - Traceability Unscheduled

O/P Mon - Output Monitored using calibrated equipment



2.6 Power Spectral Density

2.6.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (e)
ISED RSS-247, Clause 6.3.1
ISED RSS-GEN, Clause 6.12

2.6.2 Equipment Under Test and Modification State

A3536, S/N: D7HHQTJJKX - Modification State 0

2.6.3 Date of Test

11-April-2026 to 19-May-2026

2.6.4 Test Method C

This test was performed in accordance with ANSI C63.10, clause 11.10.2.

Where the EUT duty cycle was < 98 % and repeatable within 2 %, the spectrum analyser was set to trace (power) averaging and a duty cycle correction was added as calculated in the result tables below (Method AVGPSD-2).

MIMO output port summing was performed in accordance with KDB 662911 D01 E)2)b).

2.6.5 Environmental Conditions

Ambient Temperature	21.4 - 24.6 °C
Relative Humidity	39.5 - 50.4 %



2.6.6 Test Results

2.4 GHz Bluetooth - DTS

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-9.92	-	-	-	-	8.00	-17.92
2440	3.0	-10.02	-	-	-	-	8.00	-18.02
2476	3.0	-10.14	-	-	-	-	8.00	-18.14

Table 253 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.2
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-14.15	-	-	-	-14.15	8.00	-22.15
2440	3.0	-14.23	-	-	-	-14.23	8.00	-22.23
2476	3.0	-14.31	-	-	-	-14.31	8.00	-22.31

Table 254 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.2
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-14.55	-	-	-	8.00	-22.55
2440	3.0	-	-14.61	-	-	-	8.00	-22.61
2476	3.0	-	-14.54	-	-	-	8.00	-22.54

Table 255 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-16.27	-	-	-	-	8.00	-24.27
2440	3.0	-16.02	-	-	-	-	8.00	-24.02
2475	3.0	-16.43	-	-	-	-	8.00	-24.43

Table 256 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-6.88	-	-	-	-	8.00	-14.88
2440	3.0	-6.86	-	-	-	-	8.00	-14.86
2480	3.0	-6.69	-	-	-	-	8.00	-14.69

Table 257 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LELR125K)	Duty Cycle (%):	100.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	2.76	-	-	-	-	8.00	-5.24
2440	3.0	2.75	-	-	-	-	8.00	-5.25
2480	3.0	2.88	-	-	-	-	8.00	-5.12

Table 258 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-10.23	-	-	-	8.00	-18.23
2440	3.0	-	-10.48	-	-	-	8.00	-18.48
2476	3.0	-	-10.03	-	-	-	8.00	-18.03

Table 259 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-16.23	-	-	-	8.00	-24.23
2440	3.0	-	-16.03	-	-	-	8.00	-24.03
2475	3.0	-	-16.08	-	-	-	8.00	-24.08

Table 260 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	-6.98	-	-	-	8.00	-14.98
2440	3.0	-	-6.93	-	-	-	8.00	-14.93
2480	3.0	-	-7.03	-	-	-	8.00	-15.03

Table 261 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LELR125K)	Duty Cycle (%):	100.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	2.62	-	-	-	8.00	-5.38
2440	3.0	-	2.68	-	-	-	8.00	-5.32
2480	3.0	-	2.60	-	-	-	8.00	-5.41

Table 262 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	4.40

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-	-6.17	-	-	8.00	-14.17
2440	3.0	-	-	-6.36	-	-	8.00	-14.36
2476	3.0	-	-	-6.46	-	-	8.00	-14.46

Table 263 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	4.40

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-	-10.49	-	-	8.00	-18.49
2440	3.0	-	-	-10.80	-	-	8.00	-18.80
2476	3.0	-	-	-10.61	-	-	8.00	-18.61

Table 264 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	4.40

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-	-11.98	-	-	8.00	-19.98
2440	3.0	-	-	-12.13	-	-	8.00	-20.13
2475	3.0	-	-	-12.12	-	-	8.00	-20.12

Table 265 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	4.40

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	-	-3.06	-	-	8.00	-11.06
2440	3.0	-	-	-3.12	-	-	8.00	-11.12
2480	3.0	-	-	-3.24	-	-	8.00	-11.24

Table 266 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LELR125K)	Duty Cycle (%):	100.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	4.40

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	-	5.12	-	-	8.00	-2.88
2440	3.0	-	-	4.98	-	-	8.00	-3.02
2480	3.0	-	-	4.87	-	-	8.00	-3.14

Table 267 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	2.93	-	-	-	-	8.00	-5.07
2441	3.0	2.86	-	-	-	-	8.00	-5.14
2480	3.0	2.79	-	-	-	-	8.00	-5.21

Table 268 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-2.39	-	-	-	-	8.00	-10.39
2440	3.0	-3.04	-	-	-	-	8.00	-11.04
2476	3.0	-2.58	-	-	-	-	8.00	-10.58

Table 269 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8PSK (HDT4)	Duty Cycle (%):	93.8
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-7.09	-	-	-	-	8.00	-15.09
2440	3.0	-7.10	-	-	-	-	8.00	-15.10
2476	3.0	-7.11	-	-	-	-	8.00	-15.11

Table 270 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-7.13	-	-	-	-	8.00	-15.13
2440	3.0	-7.21	-	-	-	-	8.00	-15.21
2475	3.0	-7.38	-	-	-	-	8.00	-15.38

Table 271 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	4.90

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	0.21	-	-	-	-	8.00	-7.79
2440	3.0	0.09	-	-	-	-	8.00	-7.91
2480	3.0	-0.05	-	-	-	-	8.00	-8.05

Table 272 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	2.84	-	-	-	8.00	-5.16
2441	3.0	-	2.60	-	-	-	8.00	-5.40
2480	3.0	-	2.61	-	-	-	8.00	-5.39

Table 273 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-2.55	-	-	-	8.00	-10.55
2440	3.0	-	-2.72	-	-	-	8.00	-10.72
2476	3.0	-	-2.74	-	-	-	8.00	-10.74

Table 274 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8PSK (HDT4)	Duty Cycle (%):	93.4
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-6.97	-	-	-	8.00	-14.97
2440	3.0	-	-7.06	-	-	-	8.00	-15.06
2476	3.0	-	-7.06	-	-	-	8.00	-15.06

Table 275 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-7.66	-	-	-	8.00	-15.66
2440	3.0	-	-7.87	-	-	-	8.00	-15.87
2475	3.0	-	-7.67	-	-	-	8.00	-15.67

Table 276 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	5.30

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	-0.41	-	-	-	8.00	-8.41
2440	3.0	-	-0.66	-	-	-	8.00	-8.66
2480	3.0	-	-0.96	-	-	-	8.00	-8.96

Table 277 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-10.37	-10.02	-	-	-7.18	5.89	-13.07
2440	3.0	-10.45	-10.39	-	-	-7.41	5.89	-13.30
2476	3.0	-10.20	-10.37	-	-	-7.28	5.89	-13.17

Table 278 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-10.37	-10.02	-	-	-7.18	8.00	-15.18
2440	3.0	-10.45	-10.39	-	-	-7.41	8.00	-15.41
2476	3.0	-10.20	-10.37	-	-	-7.28	8.00	-15.28

Table 279 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.2
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-14.25	-14.53	-	-	-11.38	5.89	-17.27
2440	3.0	-14.60	-14.49	-	-	-11.54	5.89	-17.43
2476	3.0	-14.32	-14.64	-	-	-11.47	5.89	-17.36

Table 280 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-14.25	-14.53	-	-	-11.38	8.00	-19.38
2440	3.0	-14.60	-14.49	-	-	-11.54	8.00	-19.54
2476	3.0	-14.32	-14.64	-	-	-11.47	8.00	-19.47

Table 281 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-15.86	-16.38	-	-	-13.10	5.89	-18.99
2440	3.0	-16.40	-16.13	-	-	-13.25	5.89	-19.14
2475	3.0	-16.17	-16.14	-	-	-13.15	5.89	-19.04

Table 282 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-15.86	-16.38	-	-	-13.10	8.00	-21.10
2440	3.0	-16.40	-16.13	-	-	-13.25	8.00	-21.25
2475	3.0	-16.17	-16.14	-	-	-13.15	8.00	-21.15

Table 283 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.6
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-7.09	-6.91	-	-	-3.99	5.89	-9.88
2440	3.0	-7.03	-7.21	-	-	-4.11	5.89	-10.00
2480	3.0	-7.10	-7.25	-	-	-4.16	5.89	-10.05

Table 284 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-7.09	-6.91	-	-	-3.99	8.00	-11.99
2440	3.0	-7.03	-7.21	-	-	-4.11	8.00	-12.11
2480	3.0	-7.10	-7.25	-	-	-4.16	8.00	-12.16

Table 285 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	iPA GFSK (LELR125K)	Duty Cycle (%):	100.0
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	2.07	2.14	-	-	5.11	5.89	-0.78
2440	3.0	2.10	2.18	-	-	5.15	5.89	-0.74
2480	3.0	2.23	1.91	-	-	5.08	5.89	-0.81

Table 286 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	2.07	2.14	-	-	5.11	8.00	-2.89
2440	3.0	2.10	2.18	-	-	5.15	8.00	-2.85
2480	3.0	2.23	1.91	-	-	5.08	8.00	-2.92

Table 287 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.6
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-0.10	-0.12	-	-	2.90	5.89	-2.99
2441	3.0	-0.09	-0.06	-	-	2.93	5.89	-2.96
2480	3.0	-0.23	-0.16	-	-	2.81	5.89	-3.08

Table 288 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-0.10	-0.12	-	-	2.90	8.00	-5.10
2441	3.0	-0.09	-0.06	-	-	2.93	8.00	-5.07
2480	3.0	-0.23	-0.16	-	-	2.81	8.00	-5.19

Table 289 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-2.79	-2.65	-	-	0.29	5.89	-5.60
2440	3.0	-2.55	-2.80	-	-	0.34	5.89	-5.55
2476	3.0	-2.46	-2.50	-	-	0.53	5.89	-5.36

Table 290 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-2.79	-2.65	-	-	0.29	8.00	-7.71
2440	3.0	-2.55	-2.80	-	-	0.34	8.00	-7.66
2476	3.0	-2.46	-2.50	-	-	0.53	8.00	-7.47

Table 291 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	ePA 8PSK (HDT4)	Duty Cycle (%):	93.4
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-6.93	-7.14	-	-	-4.02	5.89	-9.91
2440	3.0	-6.98	-6.98	-	-	-3.97	5.89	-9.86
2476	3.0	-6.93	-7.06	-	-	-3.98	5.89	-9.87

Table 292 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-6.93	-7.14	-	-	-4.02	8.00	-12.02
2440	3.0	-6.98	-6.98	-	-	-3.97	8.00	-11.97
2476	3.0	-6.93	-7.06	-	-	-3.98	8.00	-11.98

Table 293 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	ePA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-7.36	-7.30	-	-	-4.32	5.89	-10.21
2440	3.0	-7.48	-7.25	-	-	-4.35	5.89	-10.24
2475	3.0	-7.65	-7.42	-	-	-4.52	5.89	-10.41

Table 294 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-7.36	-7.30	-	-	-4.32	8.00	-12.32
2440	3.0	-7.48	-7.25	-	-	-4.35	8.00	-12.35
2475	3.0	-7.65	-7.42	-	-	-4.52	8.00	-12.52

Table 295 - ISED Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 5.2 b)	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	8.11

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	0.04	-0.37	-	-	2.85	5.89	-3.04
2440	3.0	0.06	-0.34	-	-	2.88	5.89	-3.01
2480	3.0	0.13	-0.42	-	-	2.88	5.89	-3.01

Table 296 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	0.04	-0.37	-	-	2.85	8.00	-5.15
2440	3.0	0.06	-0.34	-	-	2.88	8.00	-5.12
2480	3.0	0.13	-0.42	-	-	2.88	8.00	-5.12

Table 297 - ISED Maximum Power Spectral Density Results

FCC 47 CFR Part 15, Limit Clause 15.247 (e)

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

ISED RSS-247, Limit Clause 6.3.1(b)

The transmitter power spectral density conducted from the transmitter to the antenna(s) shall not be greater than 8 dBm/3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of RSS-247 clause 6.3.2. The power spectral density shall be determined using the same method as is used to determine the maximum conducted output power.



2.6.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 14 and RF Laboratory 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
AC Programmable Power Supply	iTech	IT7324	5225	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5529	24	02-Jan-2027
USB Power Sensor	Boonton	RTP5008	5820	12	16-Mar-2027
USB Power Sensor	Boonton	RTP5008	5821	12	16-Mar-2027
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5921	12	29-Nov-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5922	12	29-Nov-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5923	12	29-Nov-2026
Modular Power System Mainframe	Keysight Technologies	N6701C	5969	-	O/P Mon
DC Power Module 60V 20A 300W	Keysight Technologies	N6754A	5970	-	O/P Mon
Humidity & Temperature meter	R.S Components	1364	6148	12	28-Aug-2026
Modular Power System mainframe	Keysight Technologies	N6701C	6151	-	O/P Mon
DC Power Module	Keysight Technologies	N6754A	6152	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	6417	24	14-Oct-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6426	12	16-Mar-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6522	12	29-Nov-2026
USB Wideband Power Sensor	Boonton	RTP5008	6591	12	16-Mar-2027
Digital Thermometer	R.S Components	RS 5511	6739	12	02-Mar-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6752	12	16-Mar-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6753	12	16-Mar-2027
SCU Cable Assembly SCU	TUV SUD	SPECTRUM_SCU_CA	6754	0	16-Mar-2027
Humidity & Temperature meter	Fluke	971	7103	12	05-Aug-2026
Multimeter	Fluke	115	7115	12	13-Aug-2026

Table 298

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	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB
Emission Bandwidth	± 46.28 kHz
Maximum Conducted Output Power	Method PM: ± 0.65 dB Method SA: ± 1.05 dB
Authorised Band Edges	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB
Spurious Radiated Emissions	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB
Power Spectral Density	± 1.00 dB

Table 299

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.