



2.4.6 Test Results

2.4 GHz WLAN

20 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
802.11b	1 Mbps	-	-	2412	2400	-52.95
802.11g	24 Mbps	-	-	2412	2400	-37.11
802.11n HT20	MCS 7	-	-	2412	2400	-35.87
802.11ax HE20	MCS 4x1	SU	-	2412	2400	-37.48
802.11ax HE20	MCS 9x1	52	37	2412	2400	-36.93
802.11be EHT20	MCS 9x1	106+26	82	2412	2400	-38.36

Table 128 - SISO Authorised Band Edge Results

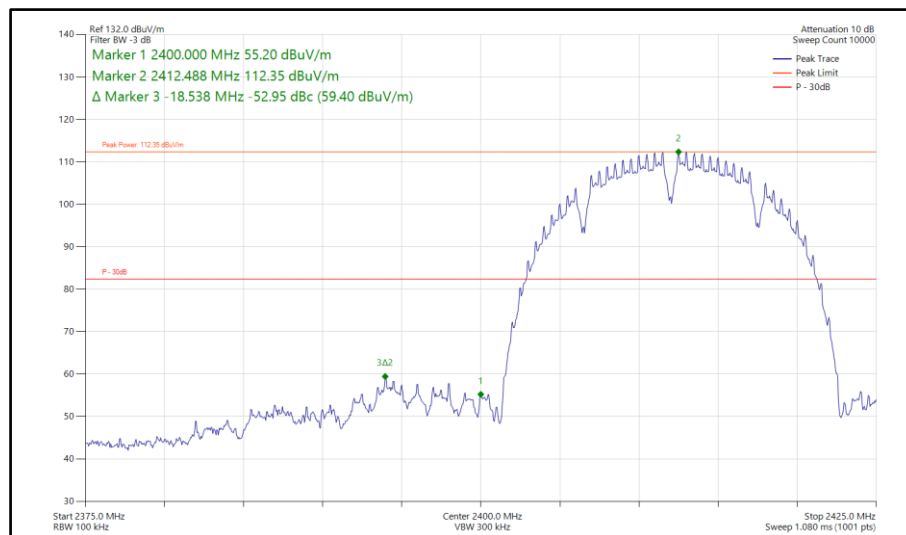


Figure 137 - 802.11b, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

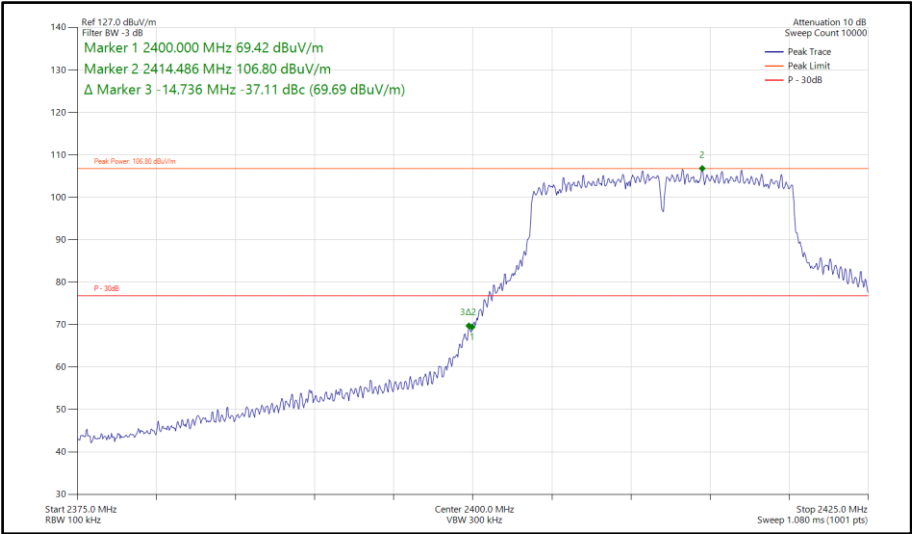


Figure 138 - 802.11g, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

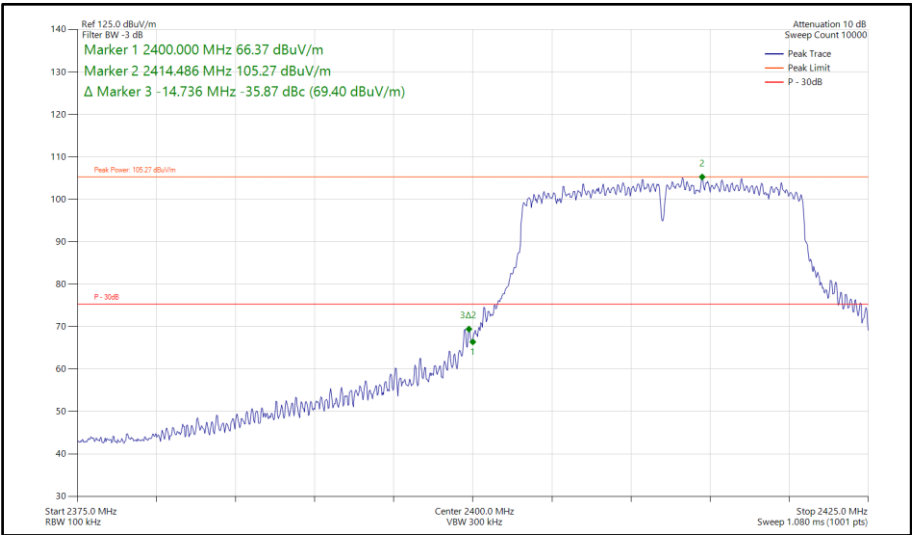


Figure 139 - 802.11n HT20, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

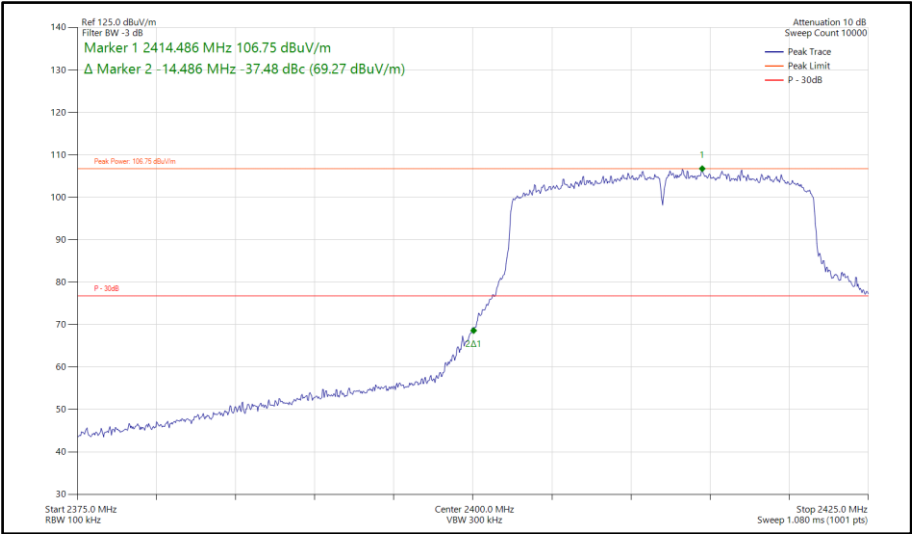


Figure 140 - 802.11ax HE20, SU, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

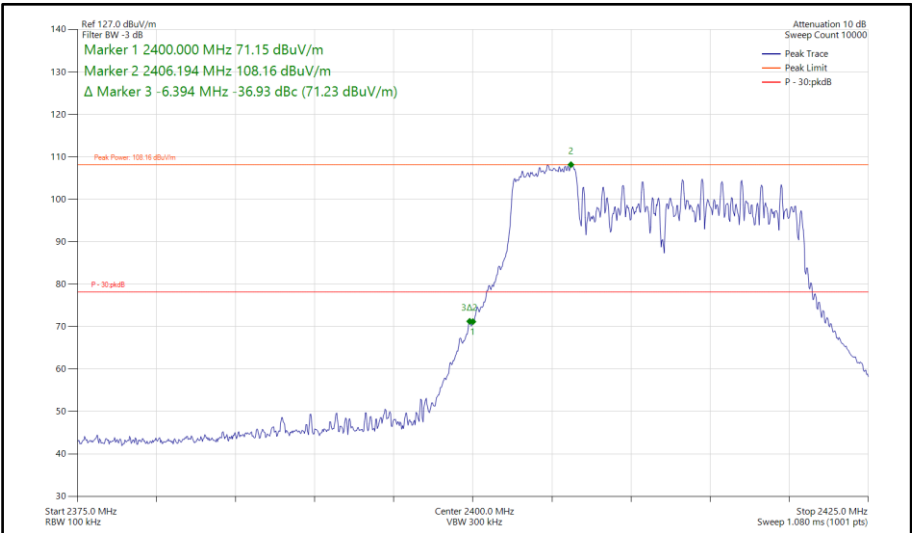


Figure 141 - 802.11ax HE20, RU52-37, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

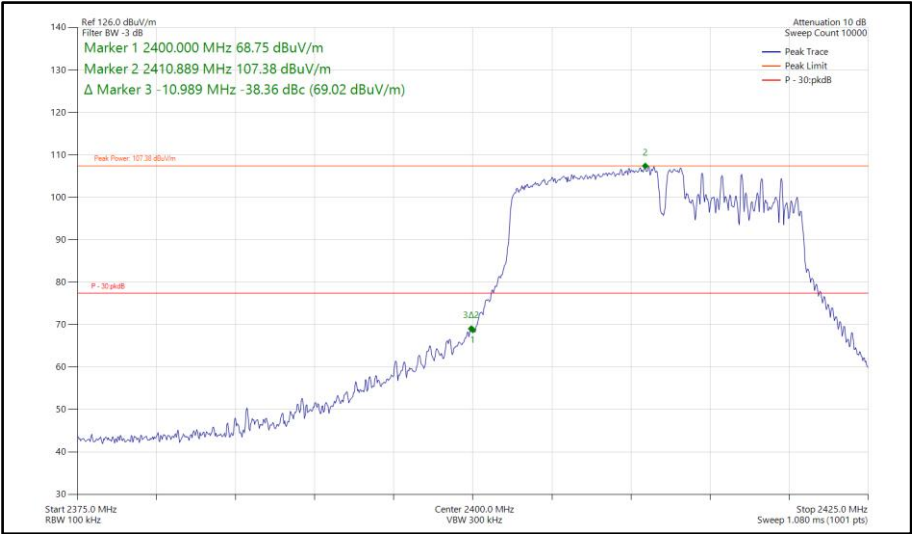


Figure 142 - 802.11be EHT20, RU106+26-82, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

20 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
802.11b	1 Mbps	-	-	2412	2400	-51.95
802.11g	24 Mbps	-	-	2412	2400	-37.57
802.11n HT20	MCS 7	-	-	2412	2400	-37.63
802.11ax HE20	MCS 4x1	SU	-	2412	2400	-38.02
802.11ax HE20	MCS 9x1	52	37	2412	2400	-35.98
802.11be EHT20	MCS 9x1	106+26	82	2412	2400	-38.80

Table 129 - SISO Authorised Band Edge Results

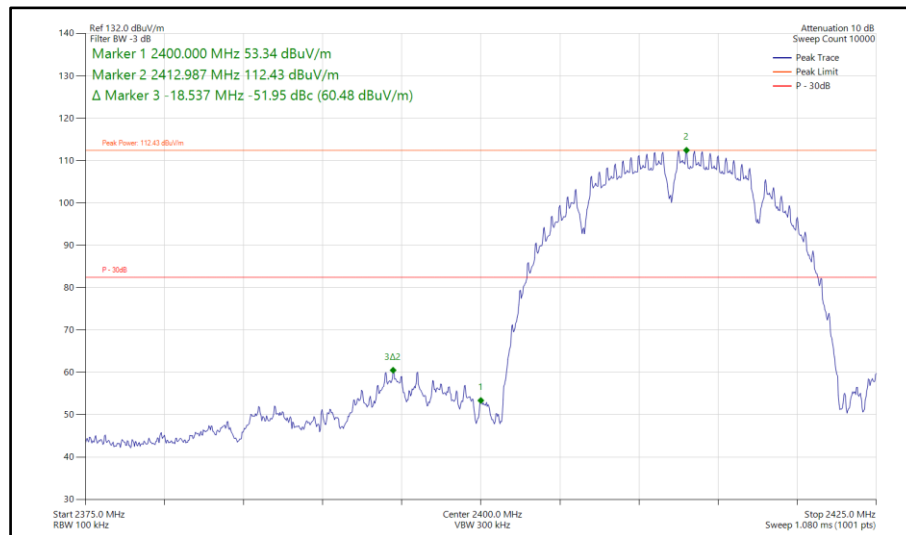


**Figure 143 - 802.11b, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz**

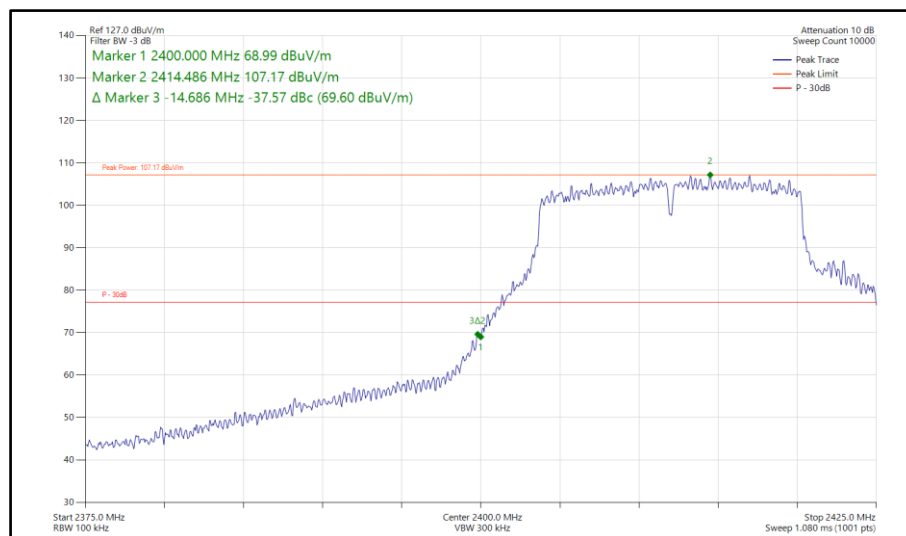


**Figure 144 - 802.11g, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz**

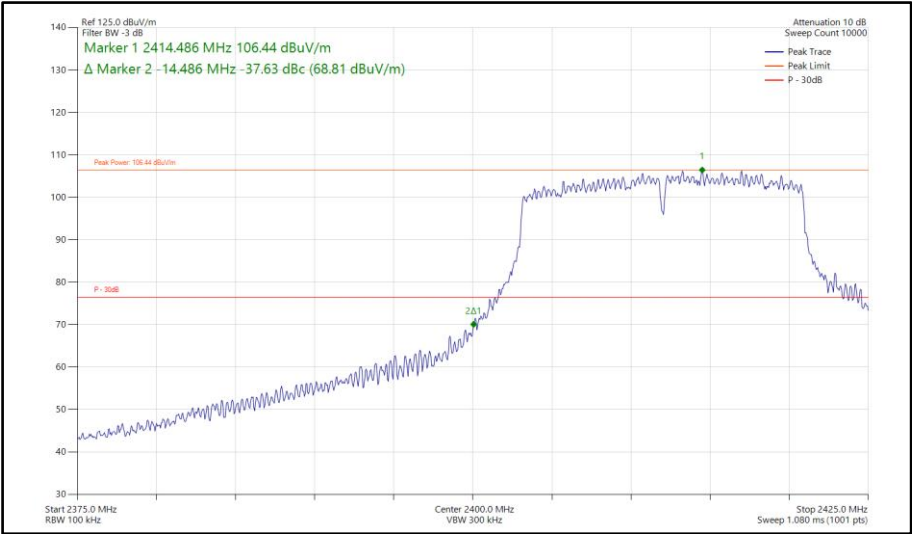


Figure 145 - 802.11n HT20, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz

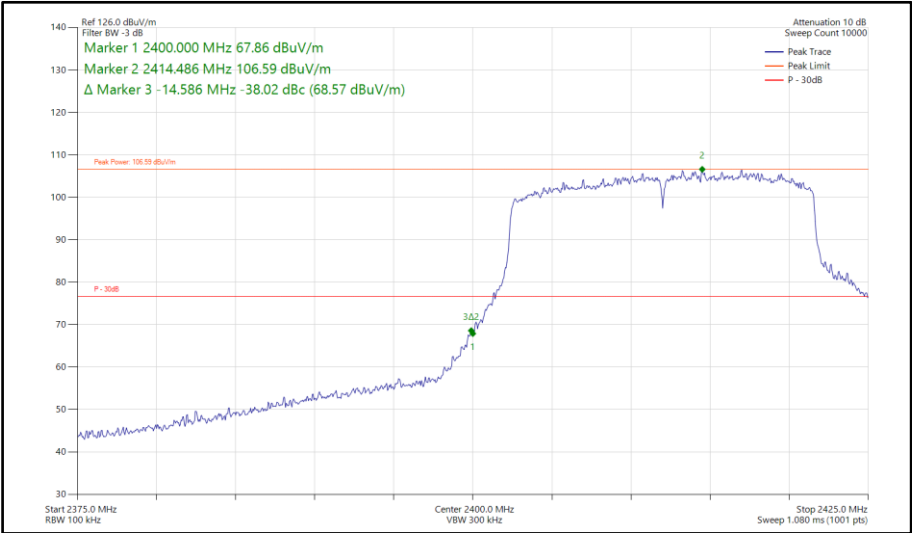


Figure 146 - 802.11ax HE20, SU, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz

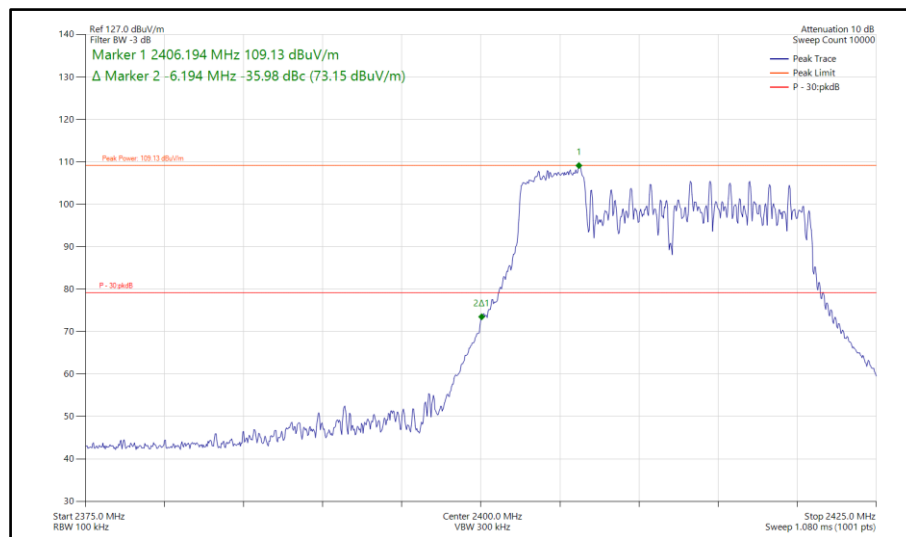


**Figure 147 - 802.11ax HE20, RU52-37, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz**

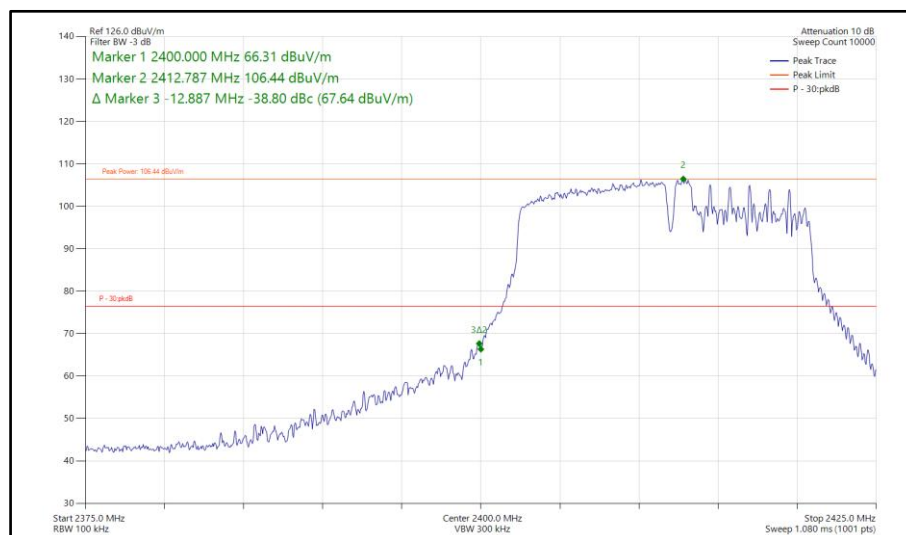


**Figure 148 - 802.11be EHT20, RU106+26-82, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz**



20 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
802.11g	24 Mbps	-	-	2412	2400	-38.34
802.11n HT20	MCS 7	-	-	2412	2400	-37.63
802.11ax HE20	MCS 4x1	SU	-	2412	2400	-40.07
802.11ax HE20	MCS 9x1	26	0	2412	2400	-38.95
802.11be EHT20	MCS 9x1	106+26	82	2412	2400	-42.97

Table 130 - CDD Authorised Band Edge Results

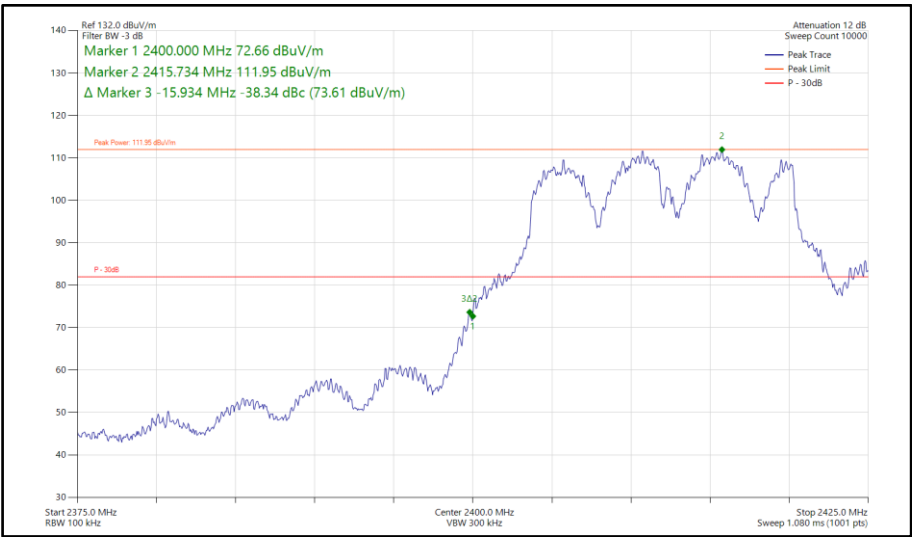


Figure 149 - 802.11g, CDD, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz

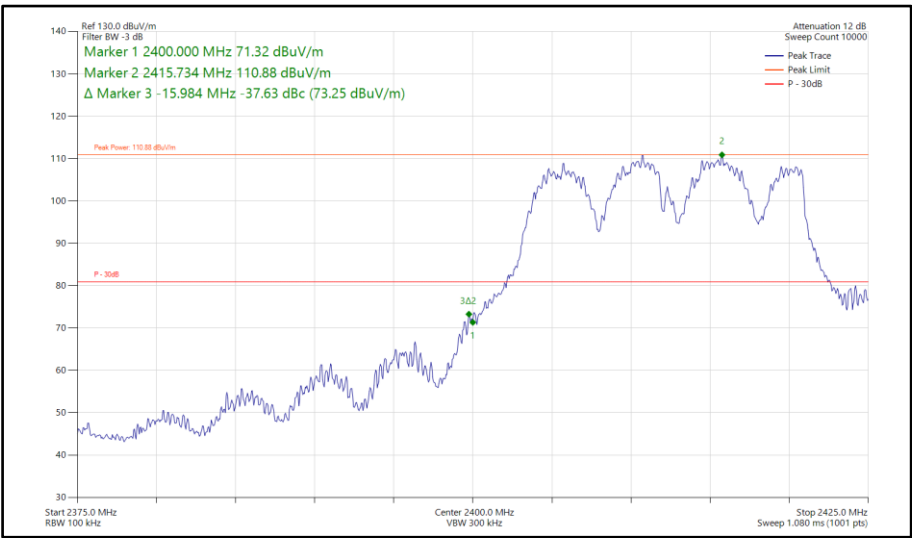


Figure 150 - 802.11n HT20, CDD, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz

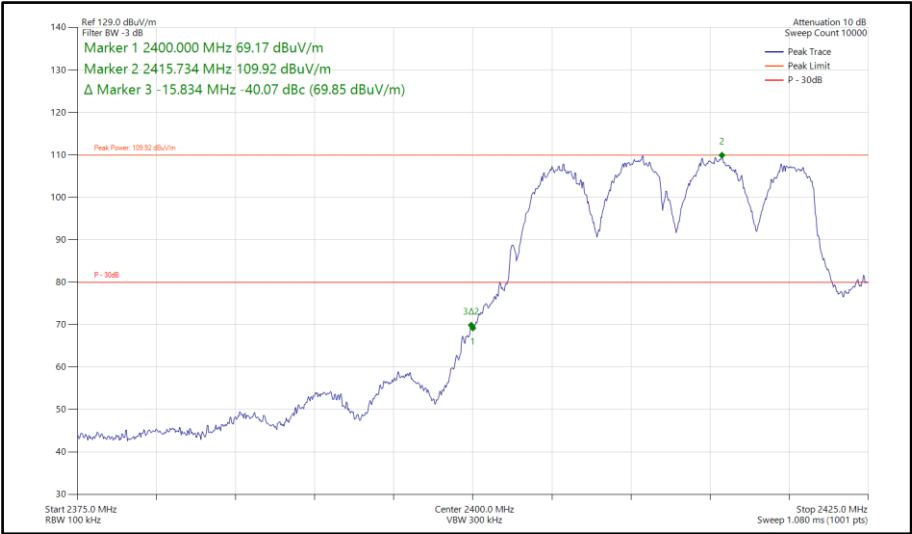


Figure 151 - 802.11ax HE20, SU, CDD, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz

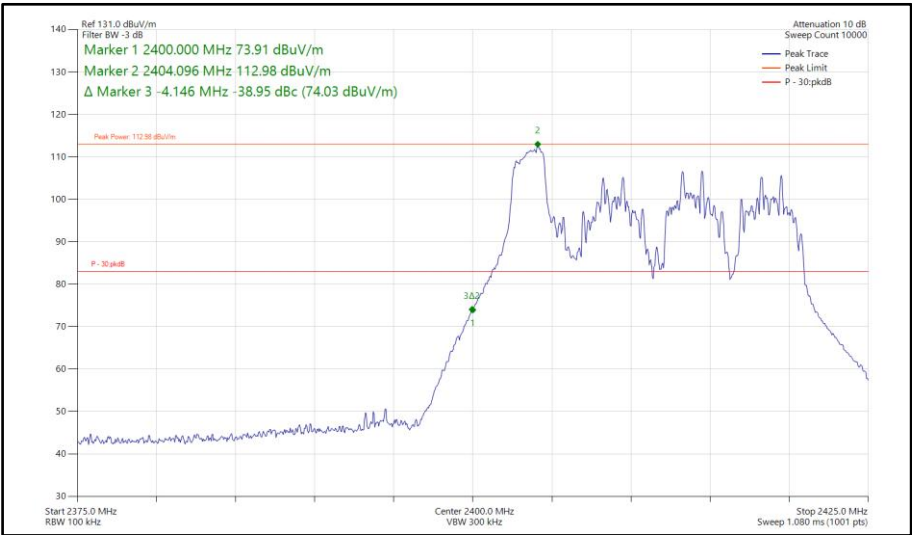


Figure 152 - 802.11ax HE20, RU26-0, CDD, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz

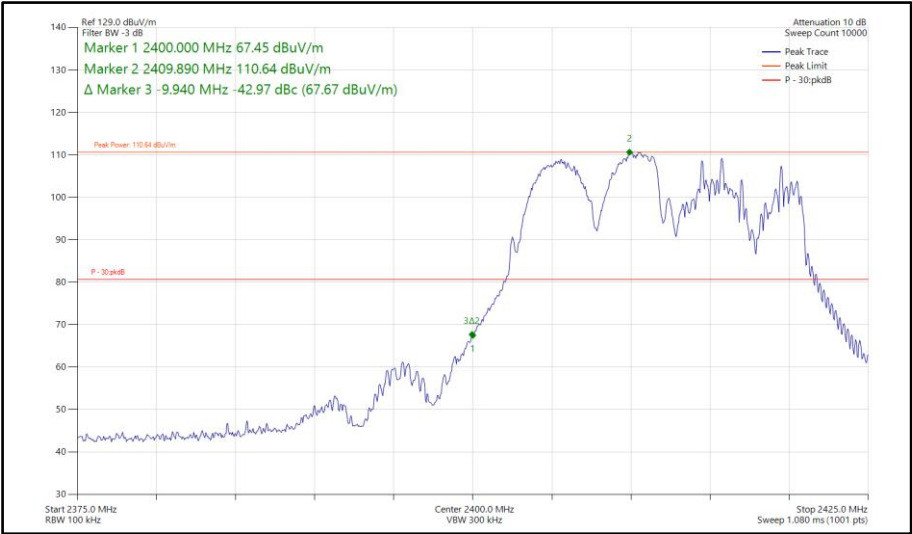


Figure 153 - 802.11be EHT20, RU106+26-82, CDD, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz

20 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
802.11n HT20	MCS 2	-	-	2412	2400	-41.79
802.11ax HE20	MCS 9x2	SU	-	2412	2400	-40.95
802.11ax HE20	MCS 9x2	26	0	2412	2400	-38.86
802.11be EHT20	MCS 9x2	106+26	82	2412	2400	-38.97

Table 131 - SDM Authorised Band Edge Results

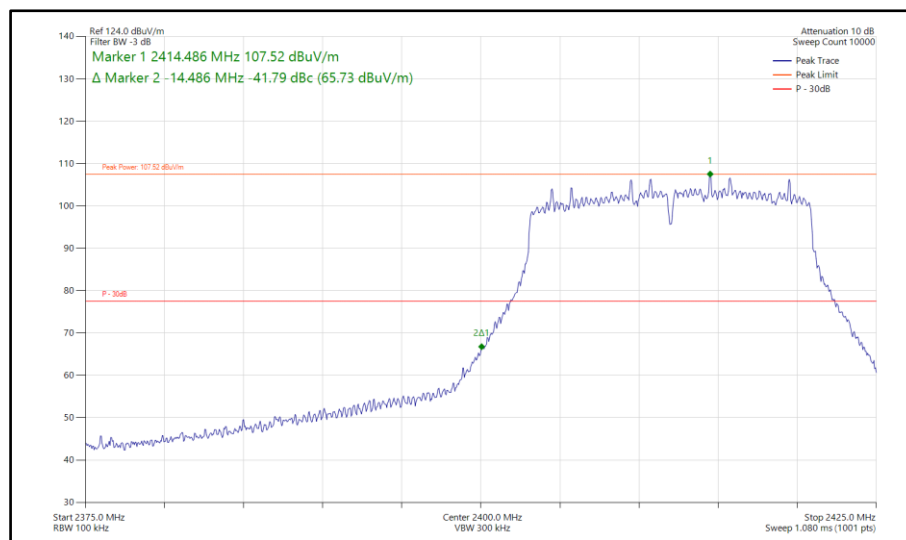


**Figure 154 - 802.11n HT20, SDM, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz**

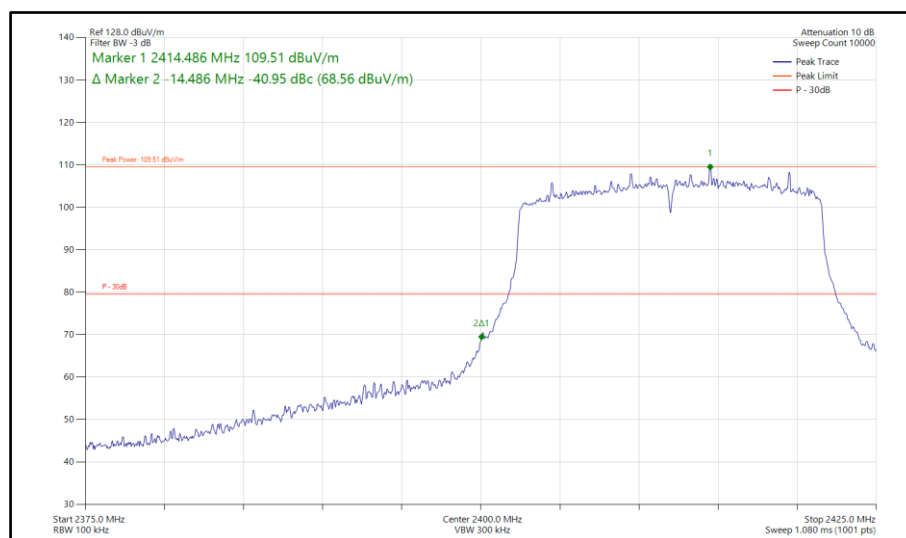


**Figure 155 - 802.11ax HE20, SU, SDM, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz**

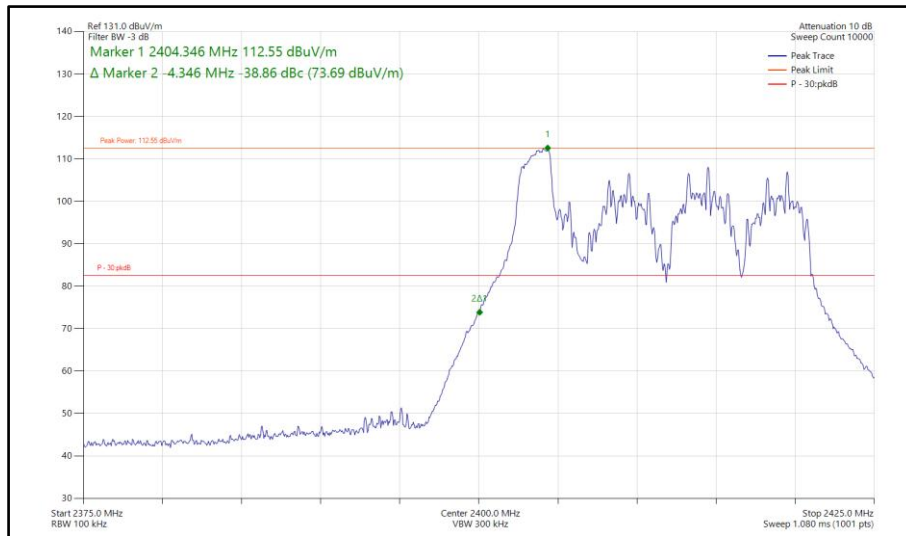


**Figure 156 - 802.11ax HE20, RU26-0, SDM, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz**

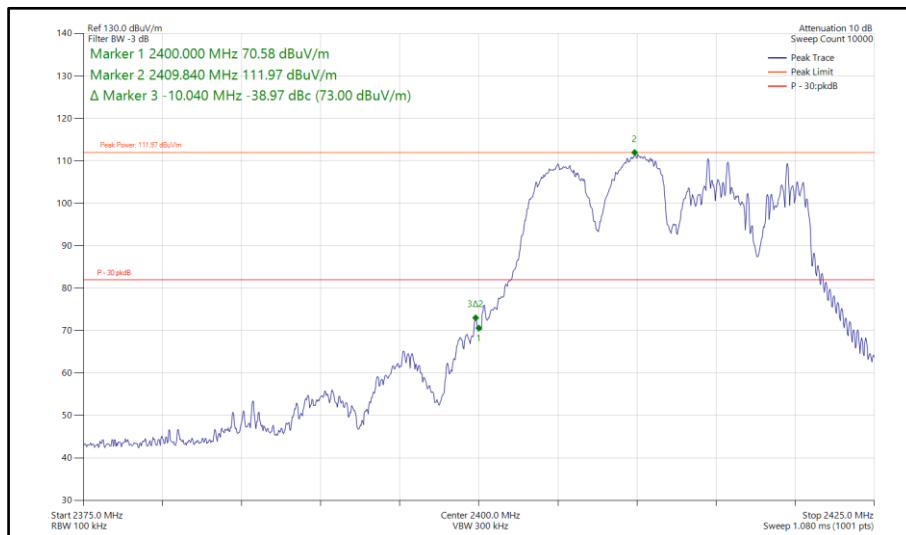


**Figure 157 - 802.11be EHT20, RU106+26-82, SDM, Core 0-1 - 2412 MHz
Band Edge Frequency 2400 MHz**

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
802.11ac VHT20	MCS 8x1	-	-	2412	2400	-40.21
802.11ax HE20	MCS 4x1	SU	-	2412	2400	-39.00

Ref 131.0 dBuV/m
Filter BW -3 dB
Attenuation 10 dB
Sweep Count 10000

Marker 1 2414.486 MHz 111.07 dBuV/m
Marker 2 -14.486 MHz -40.21 dBc (70.86 dBuV/m)

Peak Power: 111.07 dBuV/m
P - 30dB

Start 2375.0 MHz
RBW 100 kHz
Center 2400.0 MHz
VBW 300 kHz
Stop 2425.0 MHz
Sweep 1.080 ms (1001 pts)

Ref 129.0 dBuV/m
Filter BW -3 dB

Marker 1 2416.983 MHz 110.47 dBuV/m

Δ Marker 2 -16.983 MHz -39.00 dBc (71.47 dBuV/m)

Peak Power: 110.47 dBuV/m

P - 30dB

Attenuation 10 dB
Sweep Count 10000

Start 2375.0 MHz
RBW 100 kHz

Center 2400.0 MHz
VBW 300 kHz

Stop 2425.0 MHz
Sweep 1.080 ms (1001 pts)

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

20 dB below the fundamental measured in a 100 kHz bandwidth using a peak detector. If the transmitter complies with the conducted power limits, based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB below the fundamental instead of 20 dB.

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.

2.4.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 16, RF Chamber 17 and RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.3	5125	-	O/P Mon
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	29-Oct-2026
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	O/P Mon
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	07-May-2028
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
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	21-Sep-2026
Digital Multimeter	Fluke	115	6145	12	02-Jun-2027
Humidity & Temperature meter	R.S Components	1364	6149	12	28-Aug-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2026
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	23-Mar-2027
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	19-May-2027
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	18-May-2027
Horn Antenna (1-10.5 GHz)	Schwarzbeck	BBHA 9120 B	6457	12	21-Sep-2026



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	08-May-2028
AC Power Supply	iTech	IT7324	6657	-	O/P Mon
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	07-May-2028
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
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	22-Sep-2026
AC Programmable Power Supply	iTech	IT7324	6812	-	O/P Mon
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	21-Sep-2026
Handheld Hygrometer	Fluke	971	6837	12	16-Sep-2026
Handheld Hygrometer	Fluke	971	6838	12	16-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6841	12	23-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6844	12	06-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6849	12	06-Nov-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6850	12	23-Oct-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6851	12	06-Nov-2026
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6886	12	02-Dec-2026

Table 133

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



2.5 Spurious Radiated Emissions

2.5.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.209 and 15.247 (d)
ISED RSS-247, Clause 2.4 and 6.6
ISED RSS-GEN, Clause 6.13 and 8.9

2.5.2 Equipment Under Test and Modification State

A3469, S/N: CDWD21066G - Modification State 0

2.5.3 Date of Test

23-August-2026 to 10-September-2026

2.5.4 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.

The EUT was placed on the non-conducting platform in a manner typical of a normal installation.

The plots shown are the characterisation of the EUT. The limits on the plots represent the most stringent case for restricted bands, (74/54 dB μ V/m) when compared to 20 dBc outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 10 dB 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:
 $10^{(\text{Field Strength in dB}\mu\text{V/m}/20)}$.

Above 18 GHz, the measurement distance was reduced to 1 m. The limit line was increased by $20 \cdot \text{LOG}(3/1) = 9.54$ dB.

At a measurement distance of 1 meter the limit line was increased by $20 \cdot \text{LOG}(3/1) = 9.54$ dB.

Where formal measurements have been necessary, the results have been presented in the emissions table.

A reduced frequency range for testing was employed on some of the test modes within this test section, based on the manufacturers RSE test plan. With reduction based on their pre-assessment of the device to determine the ranges and test channels that were most likely to produce emissions.

2.5.5 Example Test Setup Diagram

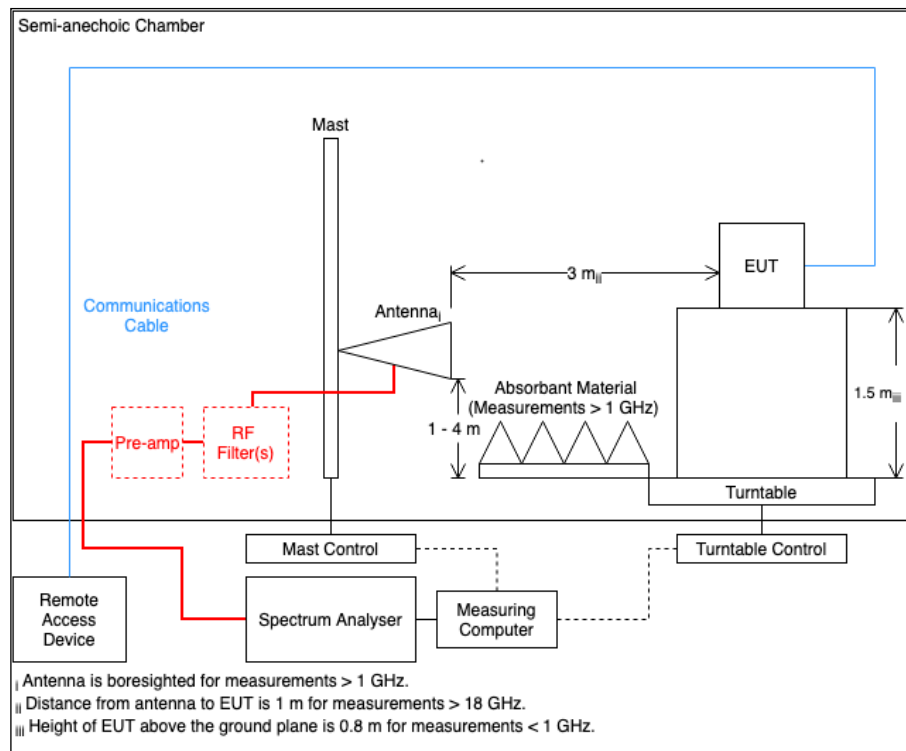


Figure 160

2.5.6 Environmental Conditions

Ambient Temperature	19.8 - 23.1 °C
Relative Humidity	40.7 - 44.2 %

2.5.7 Test Results

2.4 GHz WLAN

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.526	19.85	40.00	-20.15	Q-Peak	204	379	Horizontal
37.774	19.92	40.00	-20.08	Q-Peak	263	368	Vertical
109.792	23.33	43.50	-20.17	Q-Peak	19	120	Vertical
110.754	20.24	43.50	-23.26	Q-Peak	30	263	Horizontal
135.338	20.02	43.50	-23.48	Q-Peak	5	146	Vertical
2389.934	42.55	54.00	-11.45	RMS	354	342	Vertical
2389.990	33.76	54.00	-20.24	RMS	319	346	Horizontal
2483.508	41.61	54.00	-12.39	RMS	360	352	Vertical
2483.552	33.40	54.00	-20.60	RMS	318	272	Horizontal
4883.948	40.63	54.00	-13.37	RMS	350	340	Vertical

Table 134 - 2442 MHz (CH7), 802.11b, Core 0, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

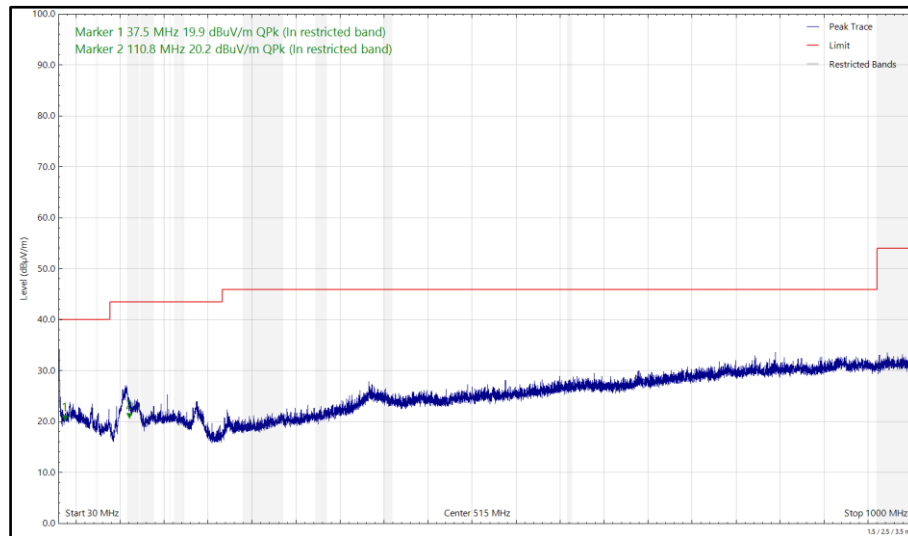


Figure 161 - 2442 MHz (CH7), 802.11b, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

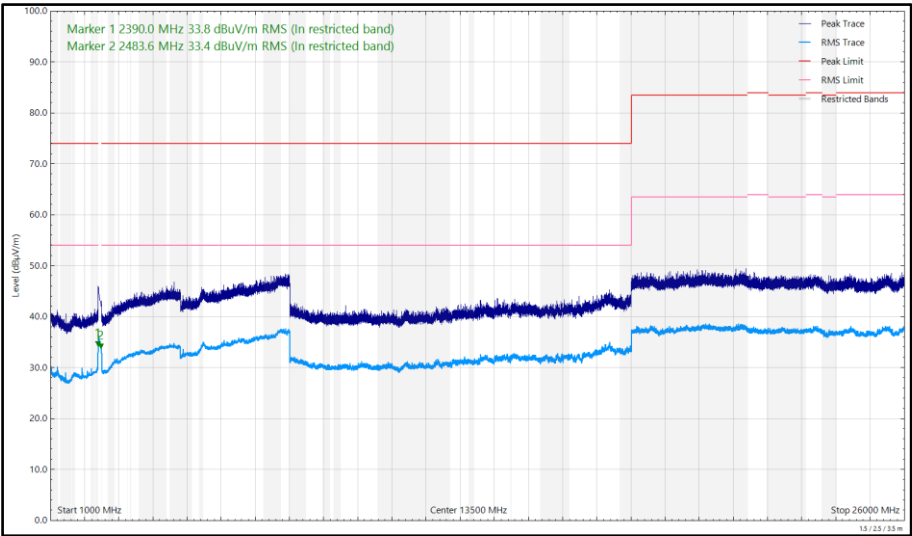


Figure 162 - 2442 MHz (CH7), 802.11b, Core 0, 1 GHz to 26 GHz, Horizontal

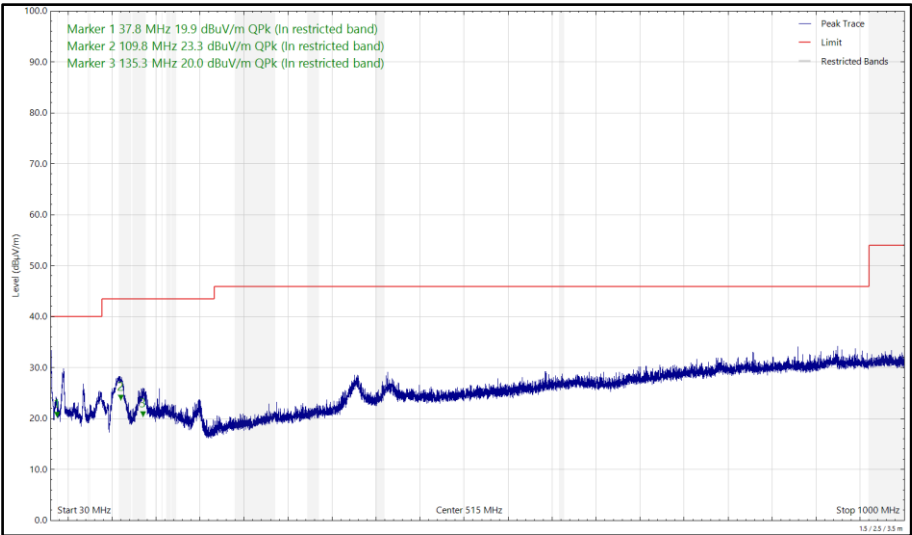


Figure 163 - 2442 MHz (CH7), 802.11b, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

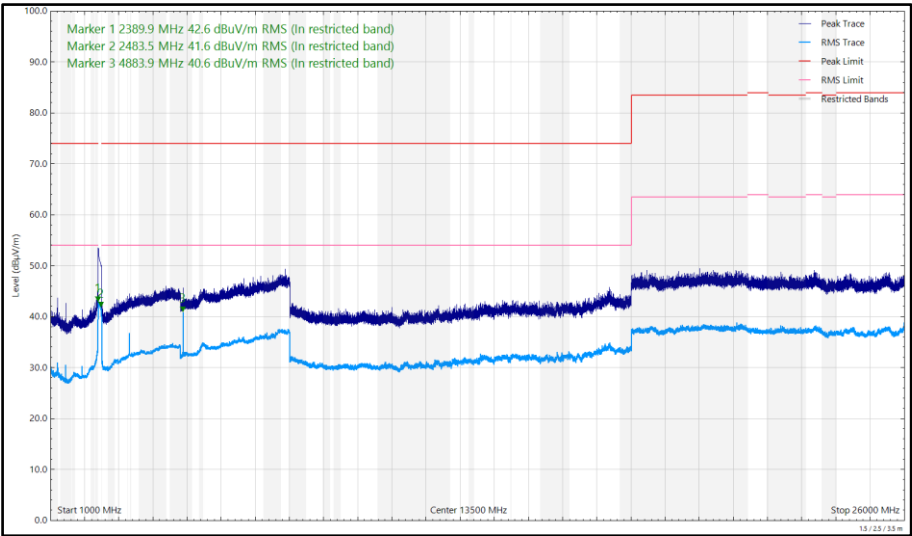


Figure 164 - 2442 MHz (CH7), 802.11b, Core 0, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
73.989	18.05	40.00	-21.95	Q-Peak	5	189	Horizontal
74.594	18.13	40.00	-21.87	Q-Peak	132	101	Vertical
111.288	20.49	43.50	-23.01	Q-Peak	0	270	Horizontal
135.968	20.10	43.50	-23.40	Q-Peak	350	100	Vertical
169.811	19.99	43.50	-23.51	Q-Peak	240	100	Vertical
2389.850	40.52	54.00	-13.48	RMS	351	335	Vertical
2483.517	42.08	54.00	-11.92	RMS	350	314	Vertical
2483.563	34.83	54.00	-19.17	RMS	40	390	Horizontal

Table 135 - 2442 MHz (CH7), 802.11b, Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

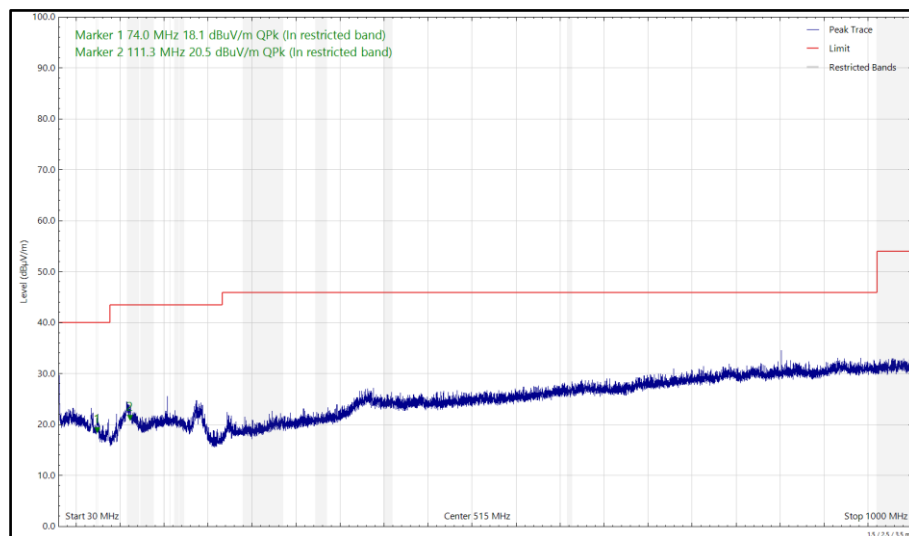


Figure 165 - 2442 MHz (CH7), 802.11b, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

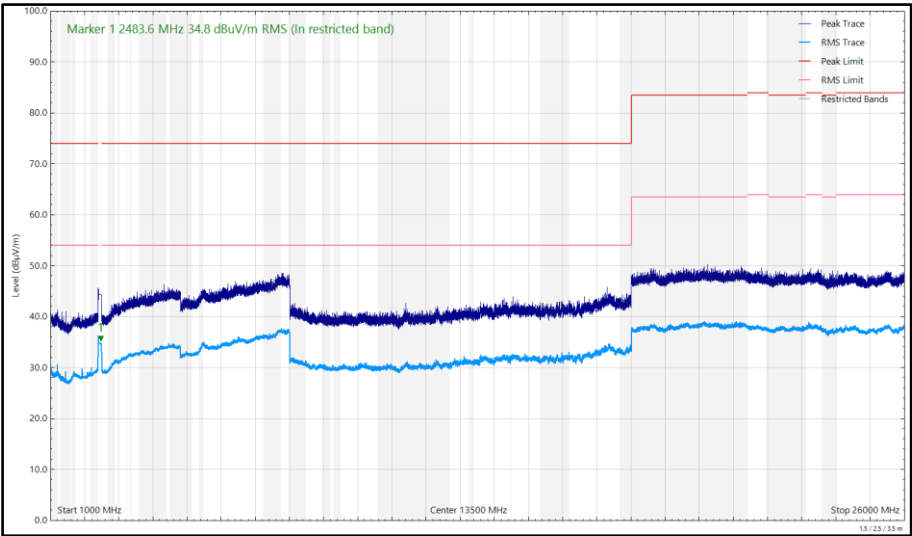


Figure 166 - 2442 MHz (CH7), 802.11b, Core 1, 1 GHz to 26 GHz, Horizontal

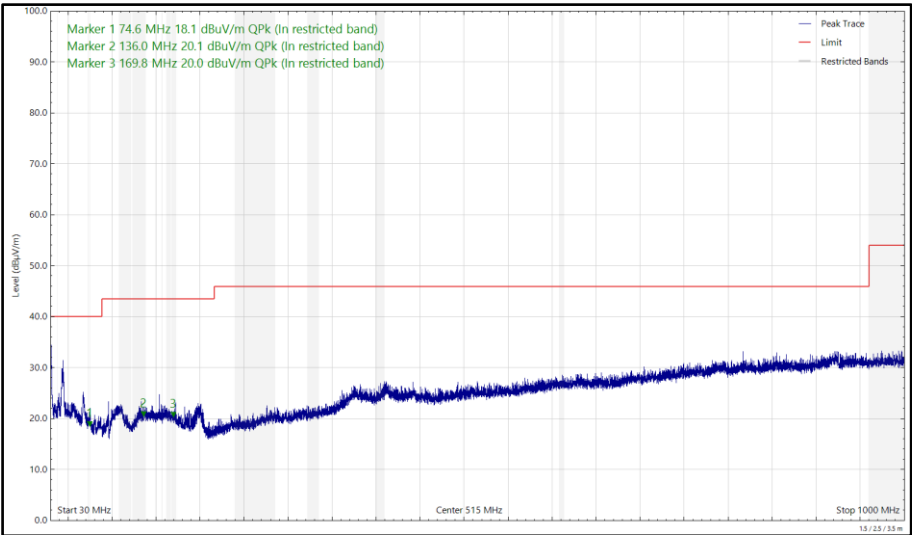


Figure 167 - 2442 MHz (CH7), 802.11b, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

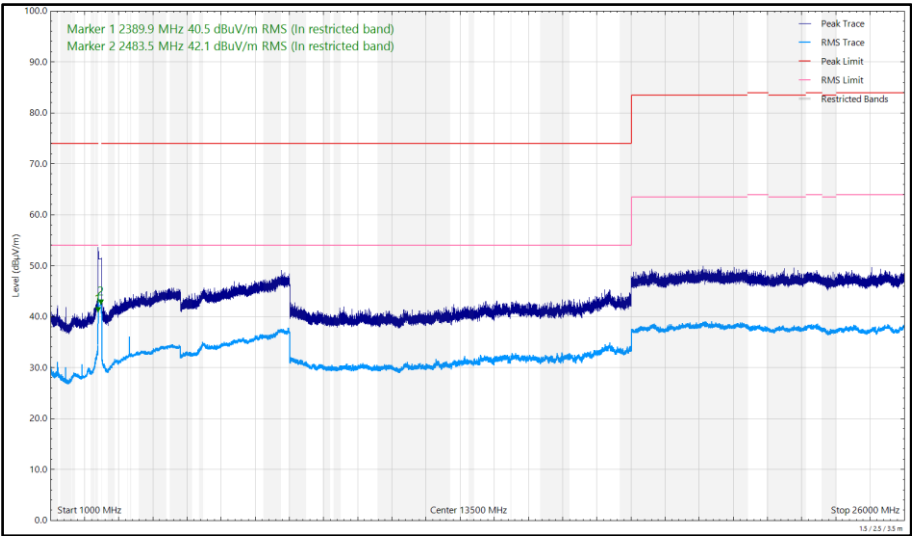


Figure 168 - 2442 MHz (CH7), 802.11b, Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
73.387	17.63	40.00	-22.37	Q-Peak	320	220	Vertical
74.535	17.46	40.00	-22.54	Q-Peak	177	225	Horizontal
110.714	20.34	43.50	-23.16	Q-Peak	8	248	Horizontal
112.671	18.46	43.50	-25.04	Q-Peak	2	115	Vertical
136.463	19.73	43.50	-23.77	Q-Peak	4	100	Vertical
2388.970	55.60	74.00	-18.40	Peak	354	344	Vertical
2389.955	44.33	54.00	-9.67	RMS	350	293	Vertical
2389.983	37.07	54.00	-16.93	RMS	56	346	Horizontal
2396.978	59.93	74.00	-14.07	Peak	7	265	Vertical
2483.533	35.77	54.00	-18.23	RMS	321	338	Horizontal
2483.575	44.20	54.00	-9.80	RMS	0	360	Vertical
2484.674	56.89	74.00	-17.11	Peak	0	269	Vertical

Table 136 - 2442 MHz (CH7), 802.11g, Core 0, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

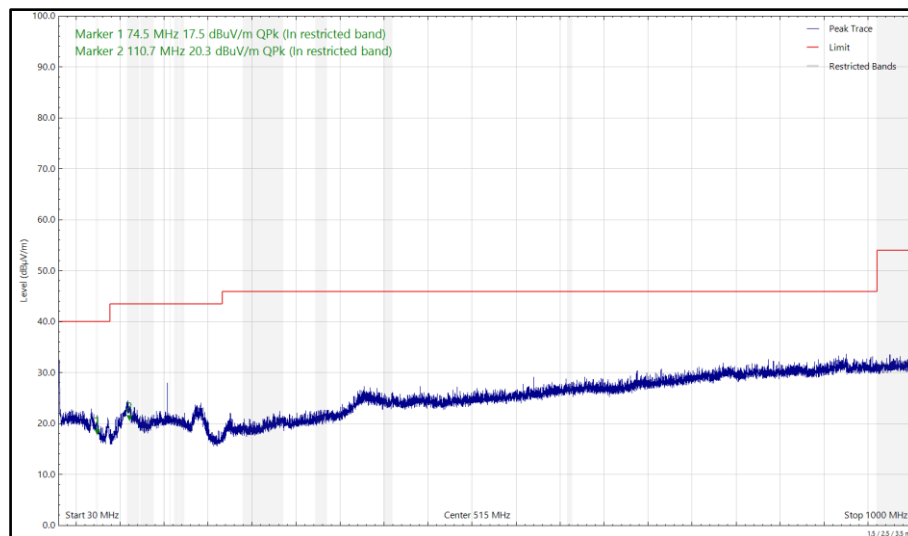


Figure 169 - 2442 MHz (CH7), 802.11g, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

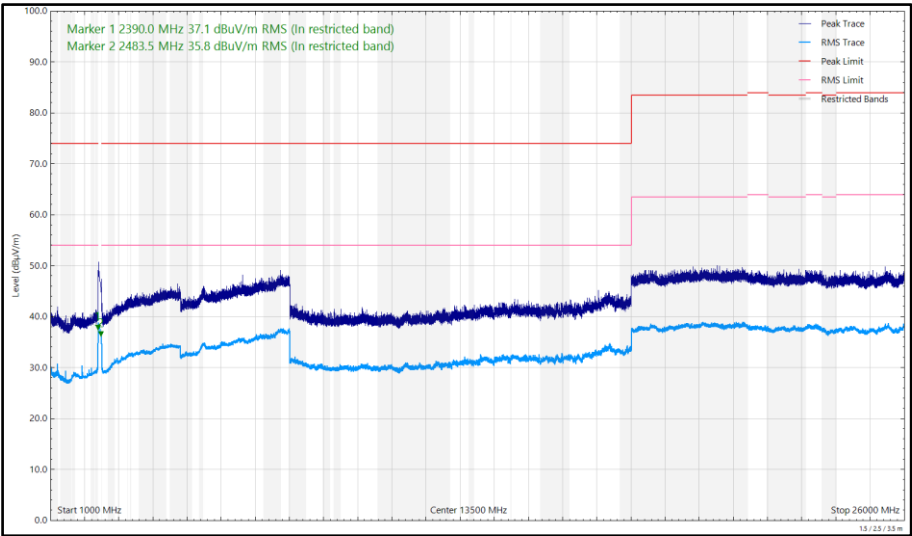


Figure 170 - 2442 MHz (CH7), 802.11g, Core 0, 1 GHz to 26 GHz, Horizontal

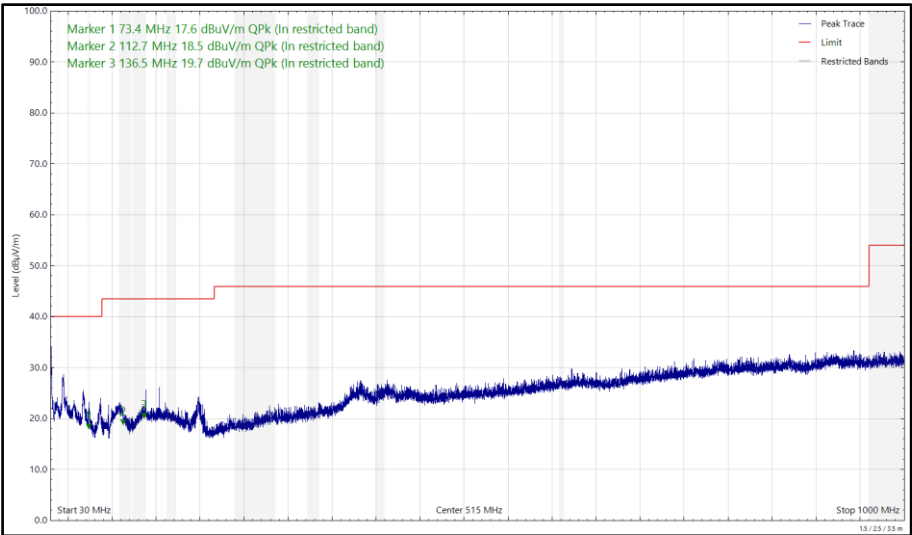


Figure 171 - 2442 MHz (CH7), 802.11g, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

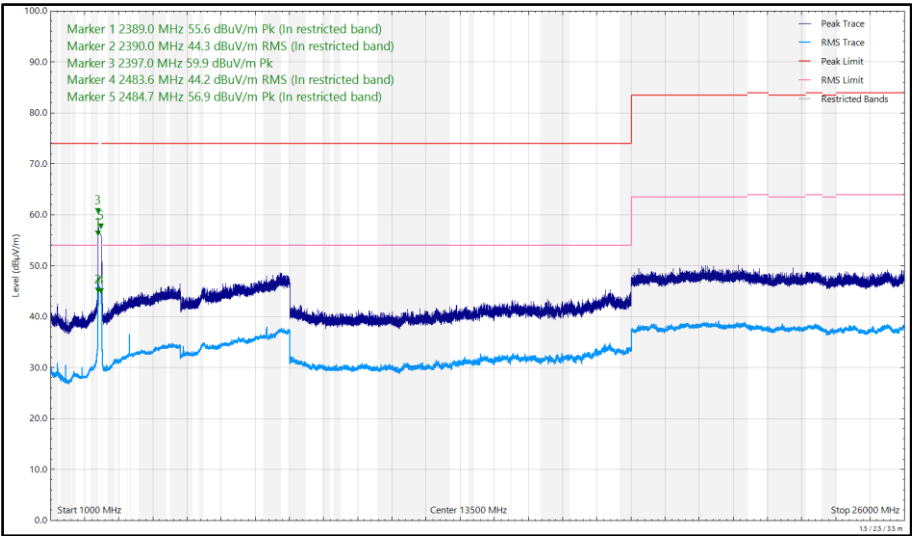


Figure 172 - 2442 MHz (CH7), 802.11g, Core 0, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.786	20.10	40.00	-19.90	Q-Peak	176	390	Vertical
38.100	20.02	40.00	-19.98	Q-Peak	177	248	Horizontal
74.416	18.04	40.00	-21.96	Q-Peak	98	278	Vertical
110.855	19.52	43.50	-23.98	Q-Peak	24	315	Horizontal
111.165	18.19	43.50	-25.31	Q-Peak	267	390	Vertical
2389.864	41.34	54.00	-12.66	RMS	6	257	Vertical
2389.976	34.71	54.00	-19.29	RMS	304	390	Horizontal
2395.430	57.84	74.00	-16.16	Peak	0	294	Vertical
2483.783	43.57	54.00	-10.43	RMS	355	296	Vertical
2484.158	36.69	54.00	-17.31	RMS	43	394	Horizontal
2488.013	57.26	74.00	-16.74	Peak	9	306	Vertical

Table 137 - 2442 MHz (CH7), 802.11g, Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

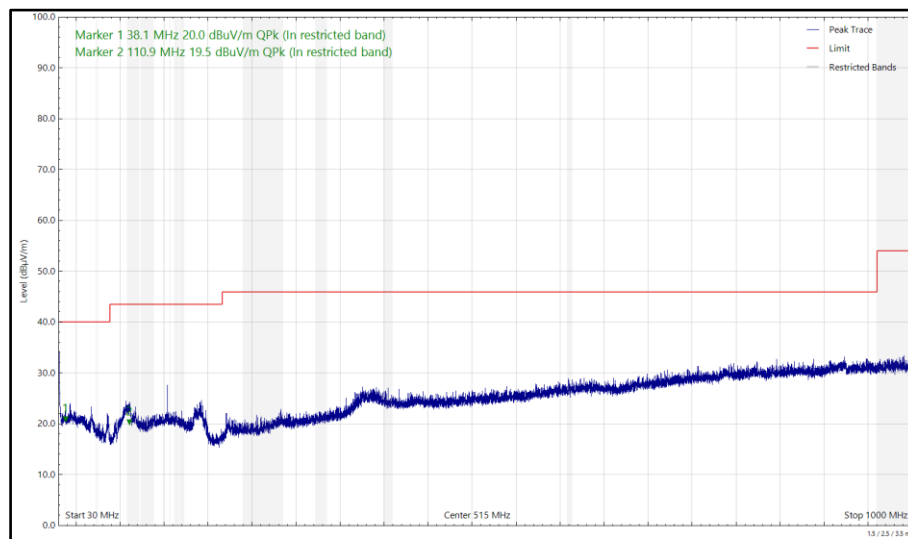


Figure 173 - 2442 MHz (CH7), 802.11g, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

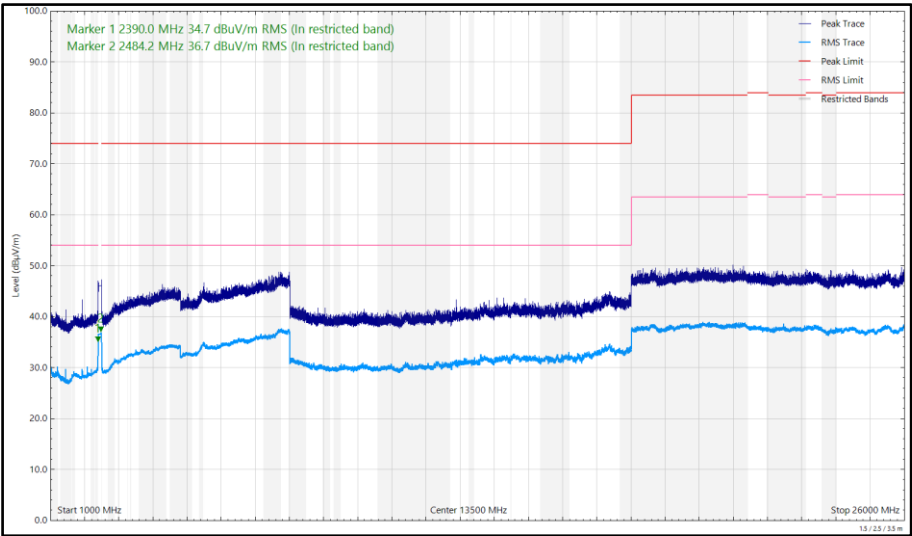


Figure 174 - 2442 MHz (CH7), 802.11g, Core 1, 1 GHz to 26 GHz, Horizontal

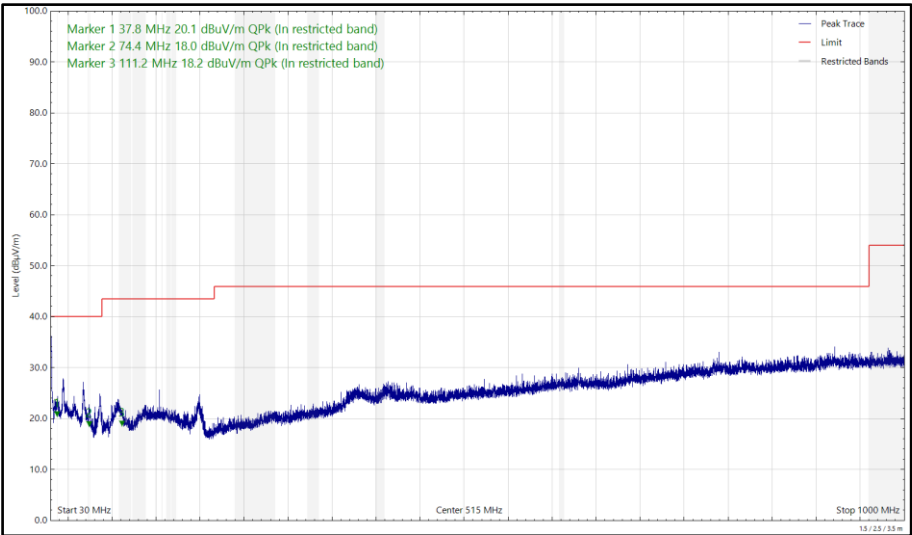


Figure 175 - 2442 MHz (CH7), 802.11g, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

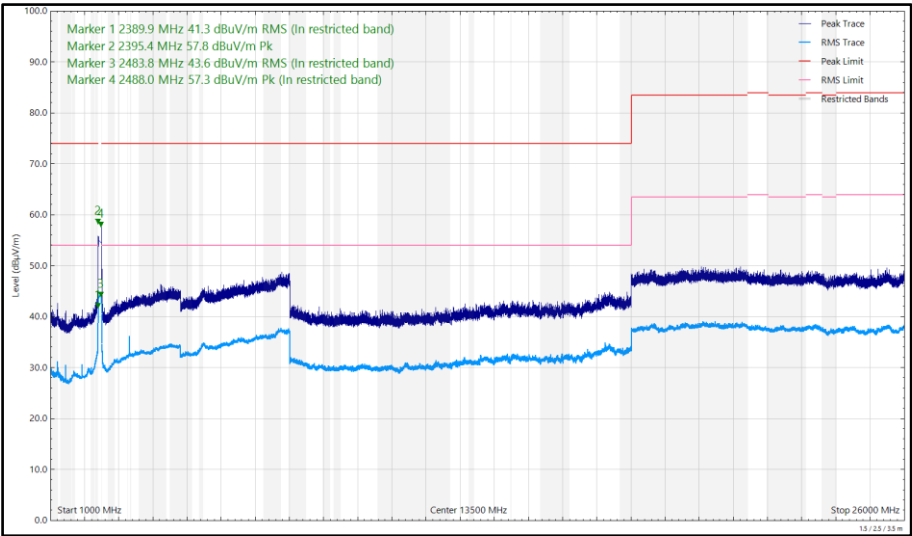


Figure 176 - 2442 MHz (CH7), 802.11g, Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2354.787	35.70	54.00	-18.30	RMS	6	280	Vertical
2486.996	54.06	74.00	-19.94	Peak	0	348	Vertical
2487.199	34.44	54.00	-19.56	RMS	59	392	Horizontal
2487.543	41.98	54.00	-12.02	RMS	360	291	Vertical

Table 138 - 2412 MHz (CH1), HT20, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

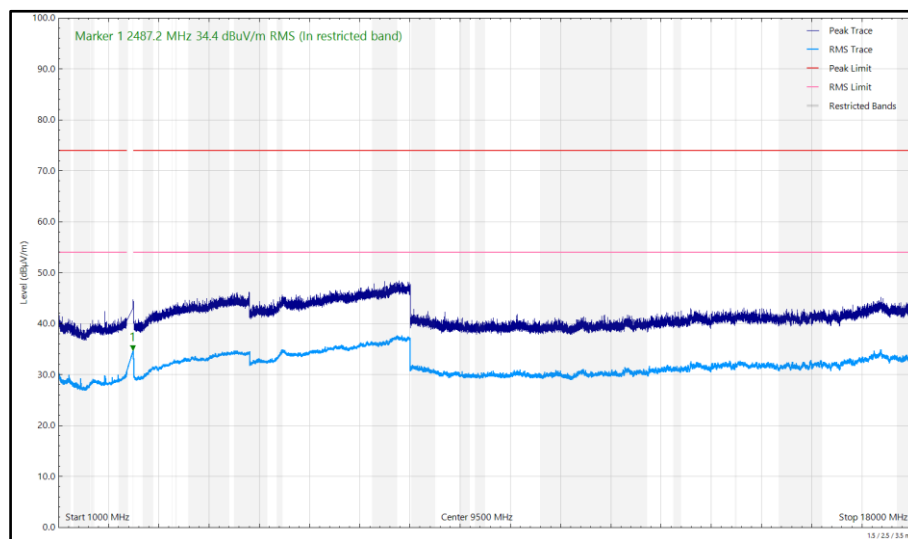


Figure 177 - 2412 MHz (CH1), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

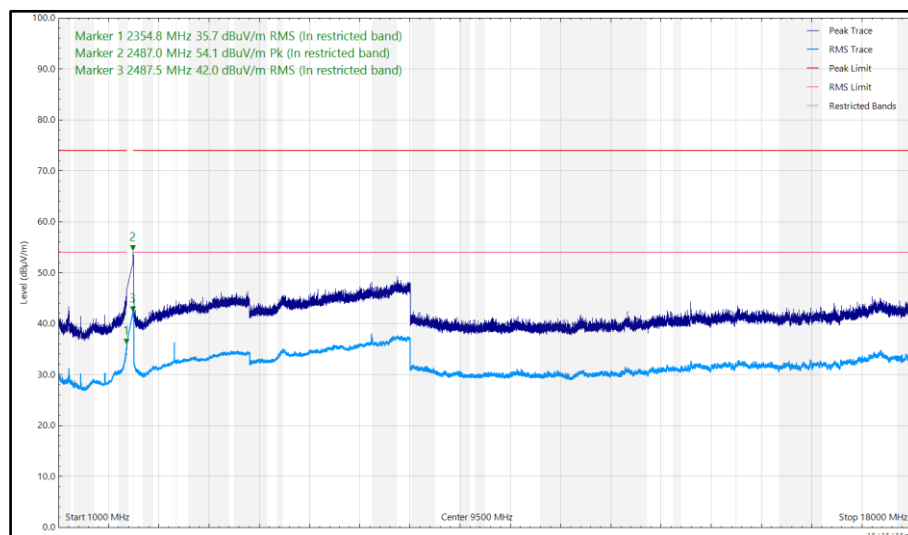


Figure 178 - 2412 MHz (CH1), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.591	19.99	40.00	-20.01	Q-Peak	228	395	Horizontal
74.050	17.71	40.00	-22.29	Q-Peak	283	367	Vertical
111.310	19.72	43.50	-23.78	Q-Peak	350	298	Horizontal
111.520	17.34	43.50	-26.16	Q-Peak	22	366	Vertical
132.839	19.14	43.50	-24.36	Q-Peak	290	221	Vertical
2388.773	49.81	74.00	-24.19	Peak	58	400	Horizontal
2389.626	56.38	74.00	-17.62	Peak	7	347	Vertical
2389.857	45.03	54.00	-8.97	RMS	7	347	Vertical
2389.913	37.41	54.00	-16.59	RMS	56	360	Horizontal
2399.969	60.51	74.00	-13.49	Peak	6	304	Vertical
2399.970	53.38	74.00	-20.62	Peak	52	398	Horizontal
2485.137	37.31	54.00	-16.69	RMS	49	358	Horizontal
2485.572	58.03	74.00	-15.97	Peak	0	387	Vertical
2485.605	46.01	54.00	-7.99	RMS	3	355	Vertical

Table 139 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1, 30 MHz to 26GHz GHz

No other emissions found within 20 dB of the limit.

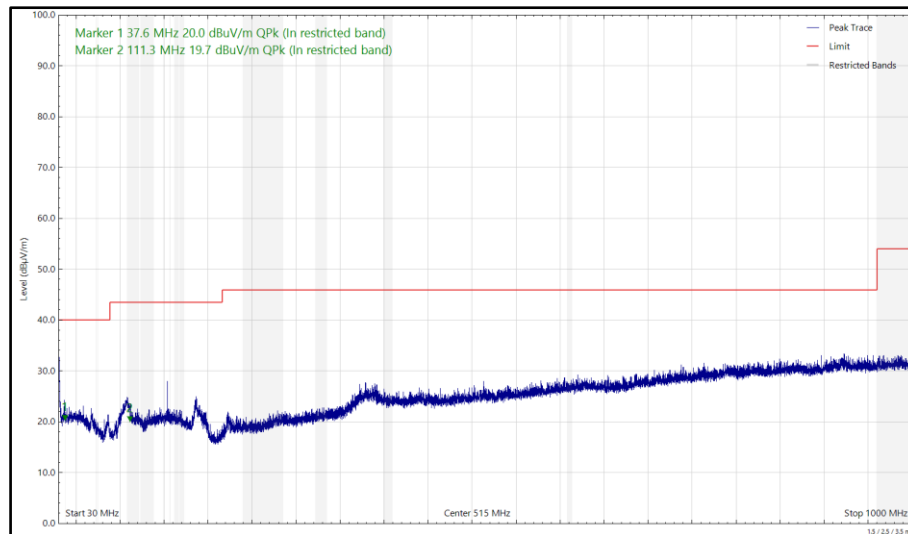


Figure 179 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

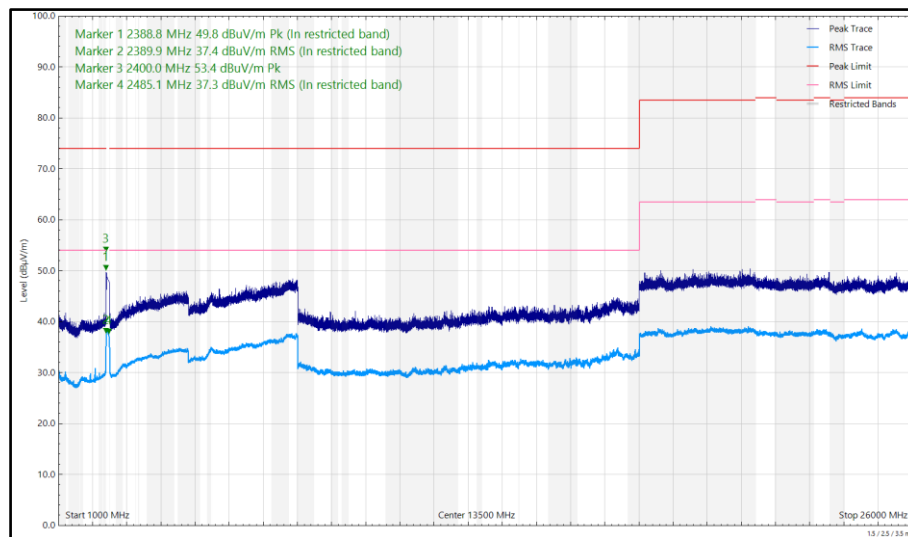


Figure 180 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

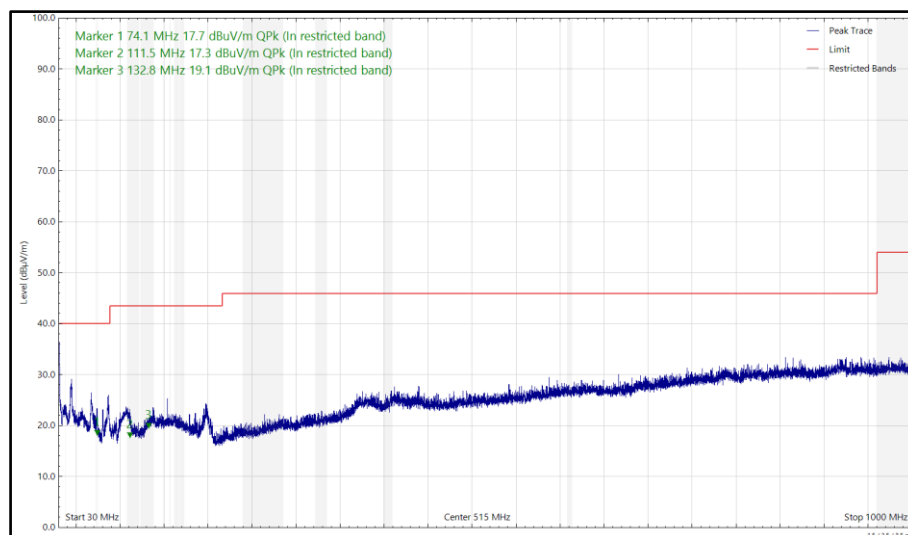


**Figure 181 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz,
Vertical (Peak)**

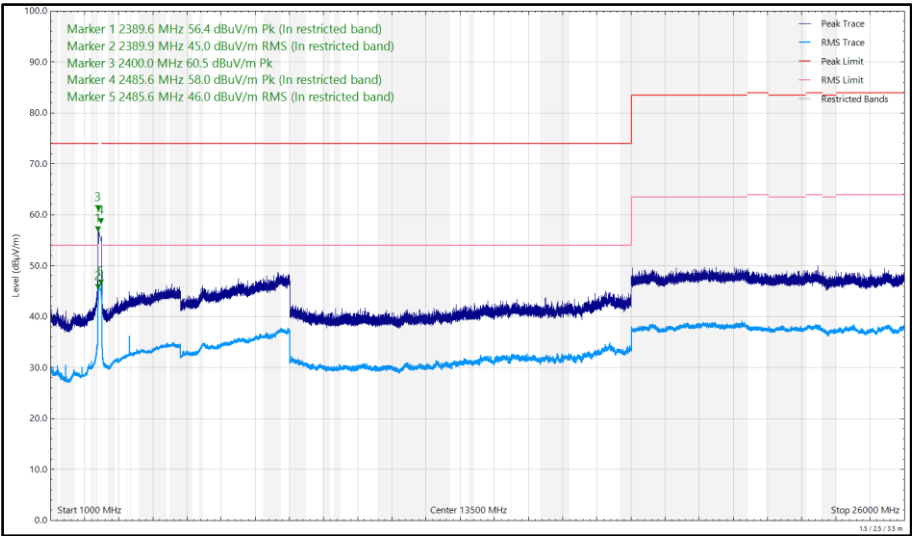


Figure 182 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2389.864	61.25	74.00	-12.75	Peak	360	307	Vertical
2389.976	44.60	54.00	-9.40	RMS	360	307	Vertical
2389.983	36.89	54.00	-17.11	RMS	51	380	Horizontal
2399.056	64.42	74.00	-9.58	Peak	360	331	Vertical
2510.004	65.32	74.00	-8.68	Peak	315	390	Horizontal
2511.161	73.72	80.00	-6.28	Peak	356	355	Vertical

Table 140 - 2472 MHz (CH13), HT20, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

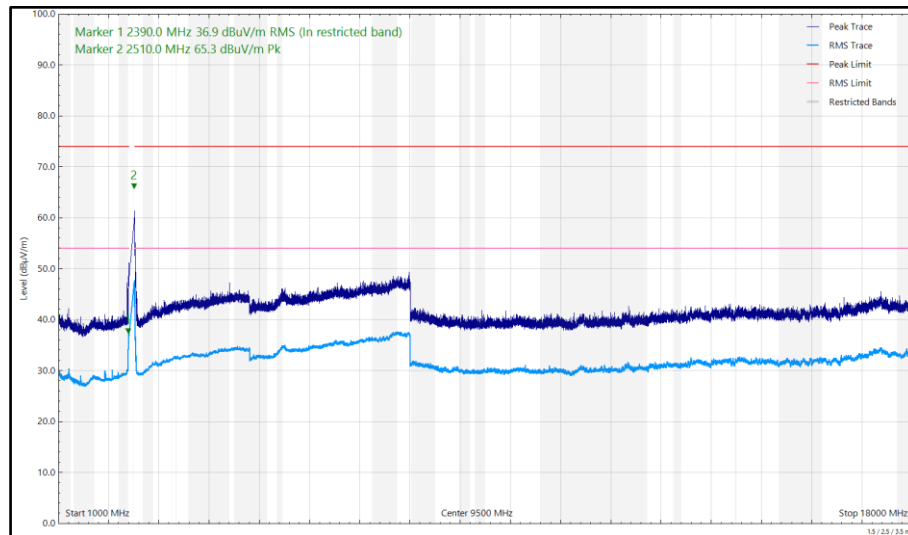


Figure 183 - 2472 MHz (CH13), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

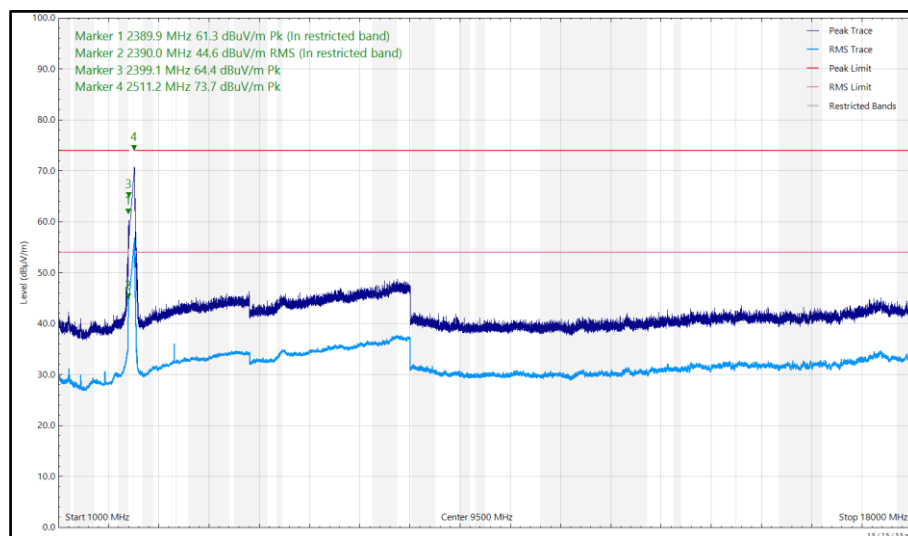


Figure 184 - 2472 MHz (CH13), HT20, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
73.079	17.65	40.00	-22.35	Q-Peak	247	394	Horizontal
74.080	19.05	40.00	-20.95	Q-Peak	325	100	Vertical
110.059	19.33	43.50	-24.17	Q-Peak	313	106	Vertical
111.339	19.24	43.50	-24.26	Q-Peak	336	253	Horizontal
166.117	20.25	43.50	-23.25	Q-Peak	299	329	Vertical
2389.846	61.38	74.00	-12.62	Peak	360	304	Vertical
2389.899	46.34	54.00	-7.66	RMS	2	336	Vertical
2389.941	38.94	54.00	-15.06	RMS	55	397	Horizontal
2399.568	59.23	74.00	-14.77	Peak	50	400	Horizontal
2399.598	66.29	74.00	-7.71	Peak	6	329	Vertical
2484.840	64.30	74.00	-9.70	Peak	359	314	Vertical
2486.356	36.24	54.00	-17.76	RMS	43	400	Horizontal
2486.643	44.57	54.00	-9.43	RMS	359	314	Vertical
4867.320	36.92	54.00	-17.08	RMS	39	251	Vertical
7300.948	39.68	54.00	-14.32	RMS	331	285	Vertical

Table 141 - 2442 MHz (CH7), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

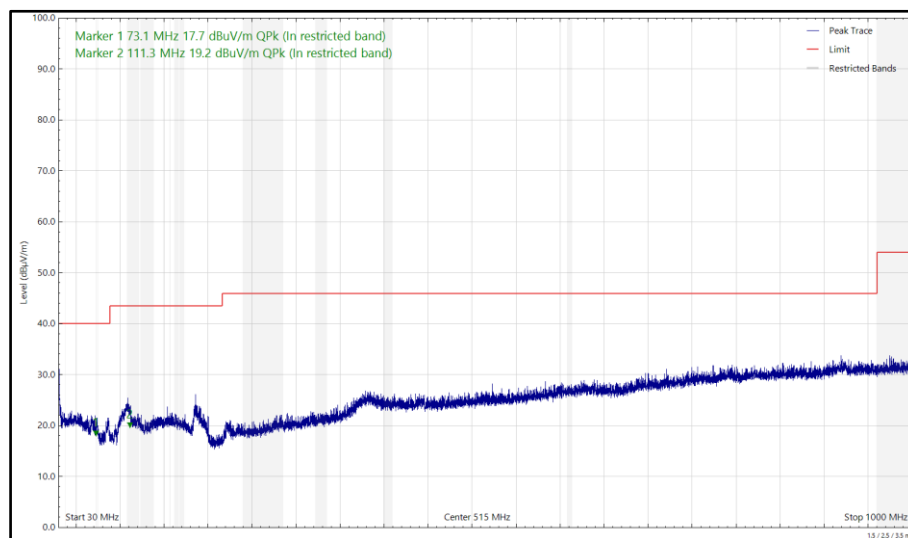


Figure 185 - 2442 MHz (CH7), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

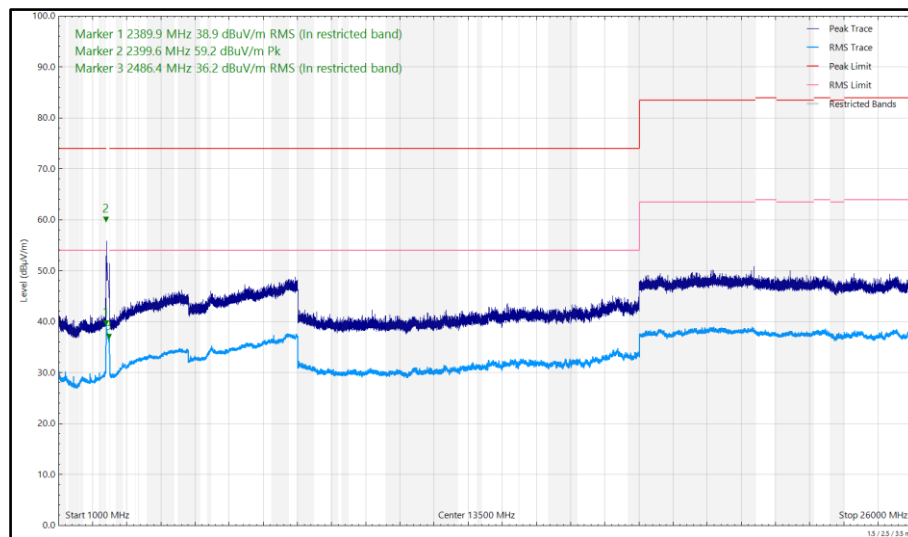


Figure 186 - 2442 MHz (CH7), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

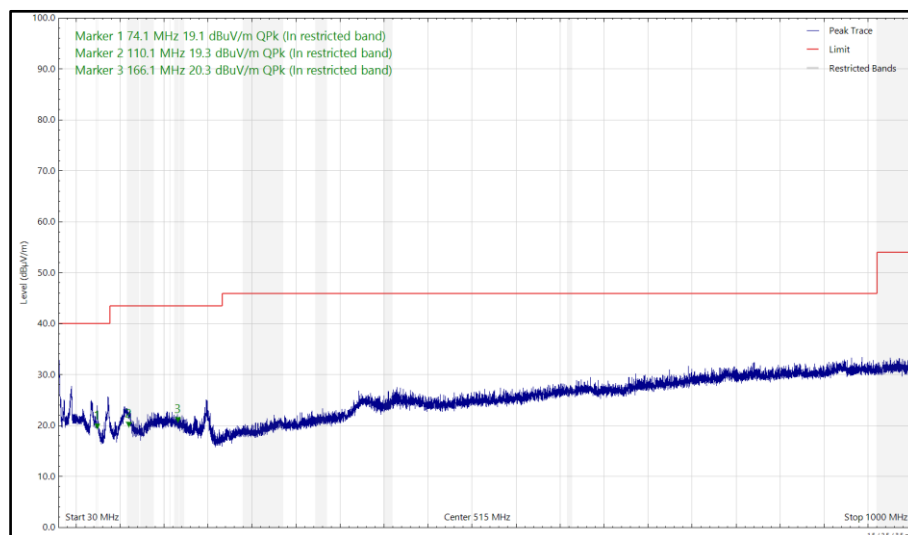


Figure 187 - 2442 MHz (CH7), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

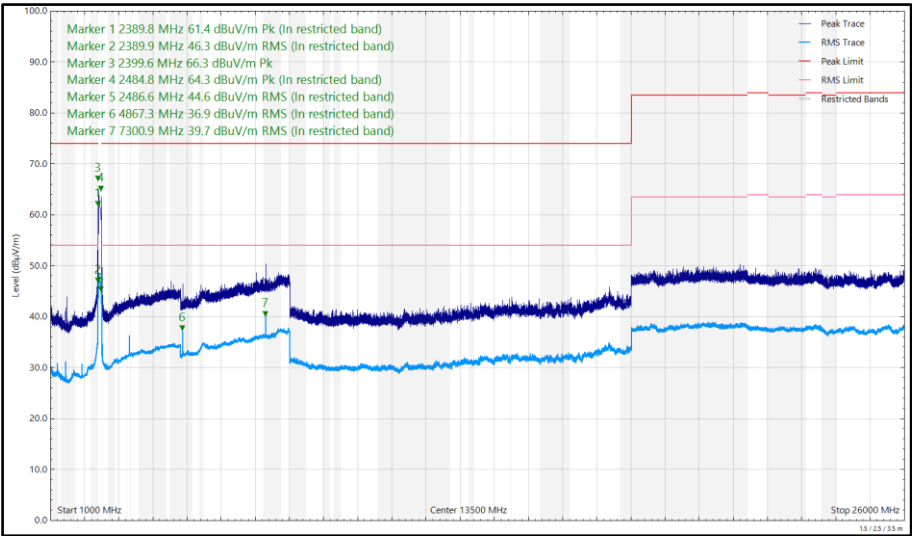


Figure 188 - 2442 MHz (CH7), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2389.795	46.43	54.00	-7.57	RMS	1	346	Vertical
2389.861	39.29	54.00	-14.71	RMS	50	399	Horizontal
2389.959	59.99	74.00	-14.01	Peak	360	346	Vertical
2397.946	65.11	74.00	-8.89	Peak	343	338	Vertical
2484.348	61.65	74.00	-12.35	Peak	15	358	Vertical
2484.717	44.17	54.00	-9.83	RMS	8	366	Vertical
2487.114	36.11	54.00	-17.89	RMS	54	400	Horizontal
4875.384	35.99	54.00	-18.01	RMS	355	330	Vertical
7315.203	38.05	54.00	-15.95	RMS	331	289	Vertical

Table 142 - 2442 MHz (CH7), EHT20, RU52+26-70, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

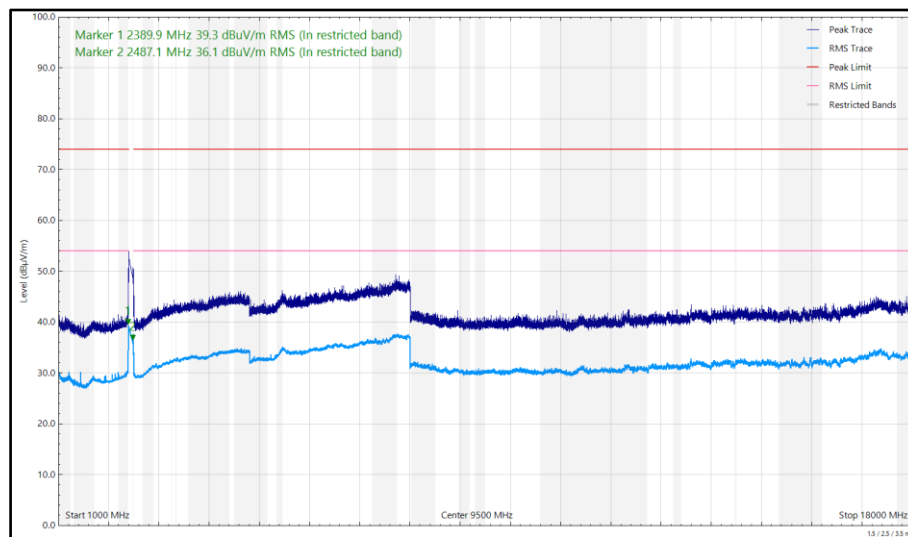


Figure 189 - 2442 MHz (CH7), EHT20, RU52+26-70, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

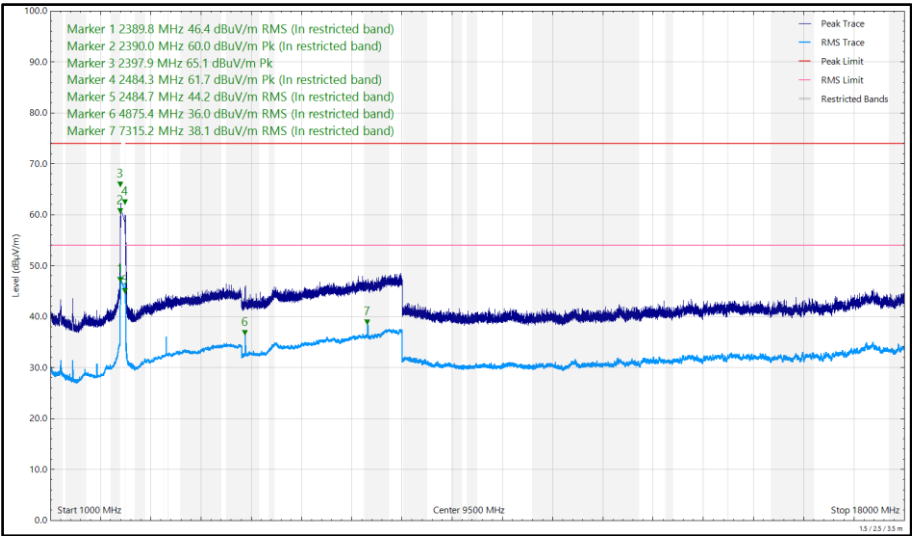


Figure 190 - 2442 MHz (CH7), EHT20, RU52+26-70, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2389.929	60.70	74.00	-13.30	Peak	7	390	Vertical
2389.955	38.70	54.00	-15.30	RMS	63	390	Horizontal
2389.990	45.89	54.00	-8.11	RMS	3	376	Vertical
2399.703	58.19	74.00	-15.81	Peak	45	391	Horizontal
2399.905	68.32	74.00	-5.68	Peak	357	344	Vertical
2484.158	44.63	54.00	-9.37	RMS	12	315	Vertical
2484.199	61.48	74.00	-12.52	Peak	12	315	Vertical
2486.799	36.13	54.00	-17.87	RMS	312	400	Horizontal

Table 143 - 2442 MHz (CH7), EHT20, RU106+26-82, CDD, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

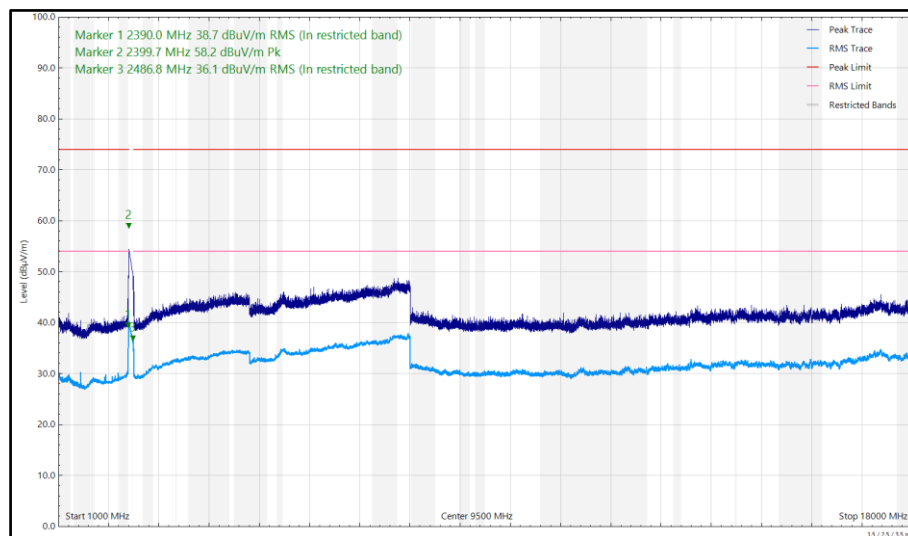


Figure 191 - 2442 MHz (CH7), EHT20, RU106+26-82, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

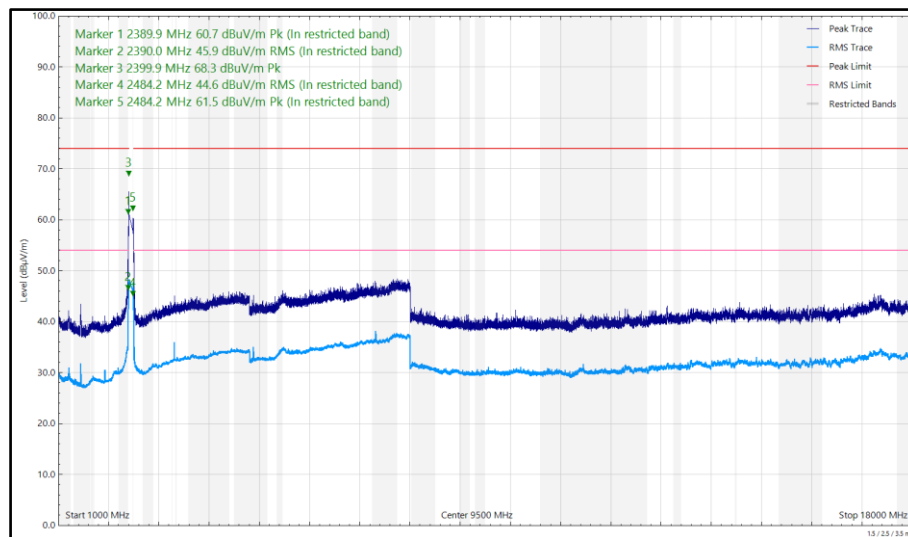


Figure 192 - 2442 MHz (CH7), EHT20, RU106+26-82, CDD, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

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 16.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.3	5125	-	TU
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5940	12	23-May-2027
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5943	24	05-Sep-2027
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	TU
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	07-May-2028
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	6018	12	20-Jun-2027
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	12-Sep-2027
Digital Multimeter	Fluke	115	6145	12	02-Jun-2027
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6189	24	26-Sep-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2026
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	23-Apr-2027
Attenuator 4dB	Pasternack	PE7074-4	6201	24	05-Sep-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	23-Apr-2027
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	6323	12	27-Apr-2027
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	22-Sep-2026
Handheld Hygrometer	Fluke	971	6837	12	16-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6844	12	14-Sep-2027
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6849	12	06-Nov-2026
Pre Amp 8 - 18 GHz	Wright Technologies	APS06-0061	6985	12	23-Apr-2027

Table 144

TU - Traceability Unscheduled



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

A3469, S/N: MVG9J5GXR9 - Modification State 0

2.6.3 Date of Test

19-September-2026 to 23-September-2026

2.6.4 Test Method

SISO conducted powers and antenna gains on individual ports differ, resulting in differences in the EIRP per core.

This test was performed in accordance with ANSI C63.10, clause 11.10.5.

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 SA-2). Where the duty cycle was ≥ 98 % the spectrum analyser was set to trace (power) averaging and no duty cycle correction made (Method SA-1). In all other cases the spectrum analyser trace was set to max hold (Method SA-3).

MIMO output port summing was performed in accordance with KDB 662911 D01. For the CDD results the directional gain was calculated using the equation in clause F)2)f)(ii) for CDD with unequal antenna gains with equal transmit powers. CDD uses only one spatial stream so for 2 cores with different gains the equation stated reduced to:

$$\text{CDD Directional Gain} = 10 \cdot \log((10^{(G1/20)} + 10^{(G2/20)})^{2/2}).$$

Note this is different to the output power CDD directional gain calculation, since the unintentional beamforming produced by CDD operation is a narrowband effect that averages out over a wideband signal.

SDM uses 2 uncorrelated spatial streams. For SDM modes Directional Gain was hence calculated in accordance with clause F)2)d)(ii) for completely uncorrelated signals with unequal antenna gains and equal transmit powers. The formula therefore reduced to:

$$\text{SDM Directional Gain} = 10 \cdot \log((10^{(G1/10)} + 10^{(G2/10)})/2)$$

TxBF uses 1 spatial stream over 2 transmit cores. Therefore the signal was correlated and the gain was calculated in accordance with clause F)2)d)(i) for correlated signals with unequal antenna gains and equal transmit powers. The formula reduces to:

$$\text{TxBF Directional Gain} = 10 \cdot \log((10^{(G1/20)} + 10^{(G2/20)})^{2/2})$$



These result in the following gain calculations for power spectral density:

Frequency Range (MHz)	Core 0 Peak Gain (dBi)	Core 1 Peak Gain (dBi)	CDD Directional Gain (dBi)	SDM Gain (dBi)	TxBF Gain (dBi)
2400 to 2480	5.5	5.7	8.6	5.6	8.6

Table 145 Peak Antenna Gains (PSD)

2.6.5 Environmental Conditions

Ambient Temperature 20.5 - 23.5 °C
Relative Humidity 48.1 - 54.5 %



2.6.6 Test Results

2.4 GHz WLAN

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11b	Duty Cycle (%):	98.6
Data Rate:	1 Mbps	DCCF (dB):	0.06
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	1.98	-	-	-	1.98	8.00	-6.03
2442	100.0	1.55	-	-	-	1.55	8.00	-6.45
2472	100.0	-3.59	-	-	-	-3.59	8.00	-11.59

Table 146 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	97.3
Data Rate:	12 Mbps	DCCF (dB):	0.12
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-2.07	-	-	-	-2.07	8.00	-10.07
2437	100.0	2.24	-	-	-	2.24	8.00	-5.76
2442	100.0	1.20	-	-	-	1.20	8.00	-6.80
2472	100.0	-9.93	-	-	-	-9.93	8.00	-17.93

Table 147 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2	DCCF (dB):	0.04
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-3.30	-	-	-	-3.30	8.00	-11.30
2437	100.0	1.90	-	-	-	1.90	8.00	-6.10
2442	100.0	0.37	-	-	-	0.37	8.00	-7.63
2472	100.0	-11.01	-	-	-	-11.01	8.00	-19.01

Table 148 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.1
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.04
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-4.61	-	-	-	-4.61	8.00	-12.61
2437	100.0	1.22	-	-	-	1.22	8.00	-6.79
2442	100.0	-0.40	-	-	-	-0.40	8.00	-8.40
2472	100.0	-15.32	-	-	-	-15.32	8.00	-23.32

Table 149 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.05
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU26.0)	100.0	1.34	-	-	-	1.34	8.00	-6.66
2442 (RU26.0)	100.0	0.39	-	-	-	0.39	8.00	-7.61
2472 (RU26.8)	100.0	-17.40	-	-	-	-17.40	8.00	-25.40

Table 150 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	98.7
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.06
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU52.37)	100.0	1.26	-	-	-	1.26	8.00	-6.75
2442 (RU52.37)	100.0	0.91	-	-	-	0.91	8.00	-7.09
2472 (RU52.40)	100.0	-16.70	-	-	-	-16.70	8.00	-24.70

Table 151 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	98.7
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.06
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU106.53)	100.0	0.08	-	-	-	0.08	8.00	-7.92
2442 (RU106.53)	100.0	1.25	-	-	-	1.25	8.00	-6.75
2472 (RU106.54)	100.0	-17.24	-	-	-	-17.24	8.00	-25.24

Table 152 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 52 + RU Size 26	Duty Cycle (%):	97.3
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.12
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	100.0	0.63	-	-	-	0.63	8.00	-7.37
2442 (RU Size 52 + RU Size 26.70)	100.0	0.52	-	-	-	0.52	8.00	-7.48
2472 (RU Size 52 + RU Size 26.72)	100.0	-16.98	-	-	-	-16.98	8.00	-24.98

Table 153 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 106 + RU Size 26	Duty Cycle (%):	97.3
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.12
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.50
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	100.0	-0.35	-	-	-	-0.35	8.00	-8.35
2442 (RU Size 106 + RU Size 26.82)	100.0	0.71	-	-	-	0.71	8.00	-7.29
2472 (RU Size 106 + RU Size 26.83)	100.0	-18.08	-	-	-	-18.08	8.00	-26.08

Table 154 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11b	Duty Cycle (%):	98.6
Data Rate:	1 Mbps	DCCF (dB):	0.06
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-	1.27	-	-	1.27	8.00	-6.74
2442	100.0	-	1.78	-	-	1.78	8.00	-6.22
2472	100.0	-	-2.66	-	-	-2.66	8.00	-10.66

Table 155 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	97.3
Data Rate:	12 Mbps	DCCF (dB):	0.12
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-	-2.44	-	-	-2.44	8.00	-10.44
2437	100.0	-	3.11	-	-	3.11	8.00	-4.89
2442	100.0	-	1.25	-	-	1.25	8.00	-6.75
2472	100.0	-	-9.01	-	-	-9.01	8.00	-17.01

Table 156 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2	DCCF (dB):	0.04
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-	-2.37	-	-	-2.37	8.00	-10.37
2437	100.0	-	2.72	-	-	2.72	8.00	-5.29
2442	100.0	-	0.93	-	-	0.93	8.00	-7.07
2472	100.0	-	-9.86	-	-	-9.86	8.00	-17.86

Table 157 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.1
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.04
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-	-3.95	-	-	-3.95	8.00	-11.95
2437	100.0	-	1.27	-	-	1.27	8.00	-6.73
2442	100.0	-	0.18	-	-	0.18	8.00	-7.82
2472	100.0	-	-13.31	-	-	-13.31	8.00	-21.31

Table 158 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	100.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.00
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU26.0)	100.0	-	0.99	-	-	0.99	8.00	-7.01
2442 (RU26.0)	100.0	-	0.65	-	-	0.65	8.00	-7.36
2472 (RU26.8)	100.0	-	-15.80	-	-	-15.80	8.00	-23.80

Table 159 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	100.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.00
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU52.37)	100.0	-	1.25	-	-	1.25	8.00	-6.75
2442 (RU52.37)	100.0	-	1.03	-	-	1.03	8.00	-6.97
2472 (RU52.40)	100.0	-	-16.11	-	-	-16.11	8.00	-24.11

Table 160 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	100.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.00
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU106.53)	100.0	-	-0.20	-	-	-0.20	8.00	-8.20
2442 (RU106.53)	100.0	-	1.34	-	-	1.34	8.00	-6.67
2472 (RU106.54)	100.0	-	-16.48	-	-	-16.48	8.00	-24.48

Table 161 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 52 + RU Size 26	Duty Cycle (%):	100.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.00
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	100.0	-	1.32	-	-	1.32	8.00	-6.68
2442 (RU Size 52 + RU Size 26.70)	100.0	-	0.37	-	-	0.37	8.00	-7.63
2472 (RU Size 52 + RU Size 26.72)	100.0	-	-16.17	-	-	-16.17	8.00	-24.17

Table 162 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 106 + RU Size 26	Duty Cycle (%):	100.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.00
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.70
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	100.0	-	0.12	-	-	0.12	8.00	-7.88
2442 (RU Size 106 + RU Size 26.82)	100.0	-	0.60	-	-	0.60	8.00	-7.40
2472 (RU Size 106 + RU Size 26.83)	100.0	-	-17.71	-	-	-17.71	8.00	-25.71

Table 163 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	97.3
Data Rate:	12 Mbps	DCCF (dB):	0.12
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-3.86	-4.86	-	-	-1.32	5.39	-6.71
2432	51.0	0.25	0.17	-	-	3.22	5.39	-2.17
2442	100.0	1.42	0.62	-	-	4.05	5.39	-1.34
2472	100.0	-12.73	-13.75	-	-	-10.20	5.39	-15.59

Table 164 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-3.86	-4.86	-	-	-1.32	8.00	-9.32
2432	51.0	0.25	0.17	-	-	3.22	8.00	-4.78
2442	100.0	1.42	0.62	-	-	4.05	8.00	-3.95
2472	100.0	-12.73	-13.75	-	-	-10.20	8.00	-18.20

Table 165 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2	DCCF (dB):	0.04
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-4.59	-4.91	-	-	-1.74	5.39	-7.13
2437	51.0	-0.23	-0.77	-	-	2.52	5.39	-2.87
2442	100.0	0.82	-0.17	-	-	3.36	5.39	-2.03
2472	100.0	-13.54	-14.28	-	-	-10.88	5.39	-16.27

Table 166 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-4.59	-4.91	-	-	-1.74	8.00	-9.74
2437	51.0	-0.23	-0.77	-	-	2.52	8.00	-5.48
2442	100.0	0.82	-0.17	-	-	3.36	8.00	-4.64
2472	100.0	-13.54	-14.28	-	-	-10.88	8.00	-18.88

Table 167 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.04
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-6.46	-6.52	-	-	-3.48	5.39	-8.87
2437	100.0	1.42	0.58	-	-	4.03	5.39	-1.36
2442	100.0	-0.39	-1.26	-	-	2.21	5.39	-3.18
2472	100.0	-16.68	-17.51	-	-	-14.06	5.39	-19.45

Table 168 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-6.46	-6.52	-	-	-3.48	8.00	-11.48
2437	100.0	1.42	0.58	-	-	4.03	8.00	-3.97
2442	100.0	-0.39	-1.26	-	-	2.21	8.00	-5.79
2472	100.0	-16.68	-17.51	-	-	-14.06	8.00	-22.06

Table 169 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	98.7
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.06
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU26.0)	100.0	1.01	0.62	-	-	3.83	5.39	-1.56
2442 (RU26.0)	100.0	0.64	0.91	-	-	3.79	5.39	-1.60
2472 (RU26.8)	100.0	-20.55	-20.42	-	-	-17.47	5.39	-22.86

Table 170 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU26.0)	100.0	1.01	0.62	-	-	3.83	8.00	-4.17
2442 (RU26.0)	100.0	0.64	0.91	-	-	3.79	8.00	-4.21
2472 (RU26.8)	100.0	-20.55	-20.42	-	-	-17.47	8.00	-25.47

Table 171 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	98.7
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.06
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU52.37)	100.0	1.16	0.96	-	-	4.07	5.39	-1.32
2442 (RU52.37)	100.0	1.01	0.97	-	-	4.00	5.39	-1.39
2472 (RU52.40)	100.0	-20.32	-20.50	-	-	-17.40	5.39	-22.79

Table 172 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU52.37)	100.0	1.16	0.96	-	-	4.07	8.00	-3.93
2442 (RU52.37)	100.0	1.01	0.97	-	-	4.00	8.00	-4.00
2472 (RU52.40)	100.0	-20.32	-20.50	-	-	-17.40	8.00	-25.40

Table 173 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	98.7
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.06
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU106.53)	100.0	-1.39	-1.44	-	-	1.60	5.39	-3.79
2442 (RU106.53)	100.0	1.19	0.93	-	-	4.07	5.39	-1.32
2472 (RU106.54)	100.0	-20.06	-20.09	-	-	-17.06	5.39	-22.45

Table 174 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU106.53)	100.0	-1.39	-1.44	-	-	1.60	8.00	-6.40
2442 (RU106.53)	100.0	1.19	0.93	-	-	4.07	8.00	-3.93
2472 (RU106.54)	100.0	-20.06	-20.09	-	-	-17.06	8.00	-25.06

Table 175 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 52 + RU Size 26	Duty Cycle (%):	97.3
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.12
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	100.0	-0.66	-0.87	-	-	2.25	5.39	-3.14
2442 (RU Size 52 + RU Size 26.70)	100.0	0.41	0.49	-	-	3.46	5.39	-1.93
2472 (RU Size 52 + RU Size 26.72)	100.0	-20.55	-20.83	-	-	-17.68	5.39	-23.07

Table 176 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	100.0	-0.66	-0.87	-	-	2.25	8.00	-5.75
2442 (RU Size 52 + RU Size 26.70)	100.0	0.41	0.49	-	-	3.46	8.00	-4.54
2472 (RU Size 52 + RU Size 26.72)	100.0	-20.55	-20.83	-	-	-17.68	8.00	-25.68

Table 177 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 106 + RU Size 26	Duty Cycle (%):	97.3
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.12
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	100.0	-2.48	-2.24	-	-	0.65	5.39	-4.74
2442 (RU Size 106 + RU Size 26.82)	100.0	0.69	0.68	-	-	3.70	5.39	-1.69
2472 (RU Size 106 + RU Size 26.83)	100.0	-20.23	-20.11	-	-	-17.16	5.39	-22.55

Table 178 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	100.0	-2.48	-2.24	-	-	0.65	8.00	-7.35
2442 (RU Size 106 + RU Size 26.82)	100.0	0.69	0.68	-	-	3.70	8.00	-4.30
2472 (RU Size 106 + RU Size 26.83)	100.0	-20.23	-20.11	-	-	-17.16	8.00	-25.16

Table 179 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	99.1
Modulation Coding Scheme:	MCS10	DCCF (dB):	0.04
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	5.60
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-4.70	-4.49	-	-	-1.58	8.00	-9.58
2432	100.0	1.59	1.85	-	-	4.73	8.00	-3.27
2442	100.0	-0.32	-0.52	-	-	2.59	8.00	-5.41
2472	100.0	-14.06	-14.11	-	-	-11.07	8.00	-19.07

Table 180 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.1
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	0.04
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	5.60
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-6.32	-5.65	-	-	-2.96	8.00	-10.96
2437	100.0	0.35	0.53	-	-	3.45	8.00	-4.55
2442	100.0	-2.08	-1.80	-	-	1.07	8.00	-6.93
2472	100.0	-16.97	-16.78	-	-	-13.86	8.00	-21.86

Table 181 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	98.7
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	0.06
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	5.60
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU26.0)	100.0	1.08	0.57	-	-	3.85	8.00	-4.15
2442 (RU26.0)	100.0	0.93	1.07	-	-	4.01	8.00	-3.99
2472 (RU26.8)	100.0	-19.57	-19.17	-	-	-16.36	8.00	-24.36

Table 182 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	98.7
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	0.06
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	5.60
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU52.37)	100.0	1.05	0.98	-	-	4.02	8.00	-3.98
2442 (RU52.37)	100.0	1.02	0.82	-	-	3.93	8.00	-4.07
2472 (RU52.40)	100.0	-19.56	-19.62	-	-	-16.58	8.00	-24.58

Table 183 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	98.7
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	0.06
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	5.60
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU106.53)	100.0	-1.32	-1.37	-	-	1.66	8.00	-6.34
2442 (RU106.53)	100.0	1.26	1.18	-	-	4.23	8.00	-3.77
2472 (RU106.54)	100.0	-19.14	-19.02	-	-	-16.07	8.00	-24.07

Table 184 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 52 + RU Size 26	Duty Cycle (%):	97.3
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	0.12
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	5.60
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	100.0	-0.28	-1.15	-	-	2.32	8.00	-5.68
2442 (RU Size 52 + RU Size 26.70)	100.0	0.89	0.89	-	-	3.90	8.00	-4.10
2472 (RU Size 52 + RU Size 26.72)	100.0	-21.48	-21.29	-	-	-18.37	8.00	-26.37

Table 185 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 106 + RU Size 26	Duty Cycle (%):	97.3
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	0.12
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	5.60
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	100.0	-1.49	-1.54	-	-	1.49	8.00	-6.51
2442 (RU Size 106 + RU Size 26.82)	100.0	0.97	0.88	-	-	3.94	8.00	-4.06
2472 (RU Size 106 + RU Size 26.83)	100.0	-20.30	-20.16	-	-	-17.22	8.00	-25.22

Table 186 - 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ac VHT20	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.04
Antenna Configuration:	TxBF	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-5.45	-5.44	-	-	-2.44	5.39	-7.83
2442	100.0	0.22	-0.64	-	-	2.82	5.39	-2.57
2472	100.0	-13.17	-13.99	-	-	-10.55	5.39	-15.94

Table 187 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-5.45	-5.44	-	-	-2.44	8.00	-10.44
2442	100.0	0.22	-0.64	-	-	2.82	8.00	-5.18
2472	100.0	-13.17	-13.99	-	-	-10.55	8.00	-18.55

Table 188 - ISECD 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 6.3.1 b)	Test Method(s):	C63.10 11.10.5
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	0.04
Antenna Configuration:	TxBF	Peak Antenna Gain (dBi):	8.61
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-6.57	-6.59	-	-	-3.57	5.39	-8.96
2437	100.0	-0.53	-1.18	-	-	2.17	5.39	-3.22
2442	100.0	-1.42	-2.26	-	-	1.19	5.39	-4.20
2472	100.0	-17.42	-18.01	-	-	-14.69	5.39	-20.08

Table 189 - FCC Maximum Power Spectral Density Results

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/3 kHz)					Limit (dBm)	Margin (dB)
		A	B	C	D	Σ		
2412	100.0	-6.57	-6.59	-	-	-3.57	8.00	-11.57
2437	100.0	-0.53	-1.18	-	-	2.17	8.00	-5.83
2442	100.0	-1.42	-2.26	-	-	1.19	8.00	-6.81
2472	100.0	-17.42	-18.01	-	-	-14.69	8.00	-22.69

Table 190 - ISECD 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 1.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Multimeter	Iso-tech	IDM101	2421	12	11-Nov-2026
Hygrometer	Rotronic	HP21	4741	12	18-Jun-2027
USB Power Sensor	Boonton	RTP5006	5184	12	02-Sep-2027
AC Programmable Power Supply	iTech	IT7324	5226	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5528	24	10-Sep-2027
USB Power Sensor	Boonton	RTP5008	5833	12	02-Sep-2027
USB Power Sensor	Boonton	RTP5008	5834	12	02-Sep-2027
Modular Power System Mainframe	Keysight Technologies	N6701C	5835	-	TU
DC Power Module 60V 20A 300W	Keysight Technologies	N6754A	5836	-	O/P Mon
Climatic Chamber	Weiss Technik	TempEvent T/180/40/3	5894	-	O/P Mon
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6350	12	01-Sep-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6639	12	01-Sep-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	7137	12	01-Sep-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	7327	12	01-Sep-2027

Table 191

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	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB
Maximum Conducted Output Power	± 348.89 kHz
Emission Bandwidth	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 192

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.