



Spurious Emissions 18-26GHz - TX ON_1 Mbps_ 2402 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/2/2025	22.2 C	13%	991 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

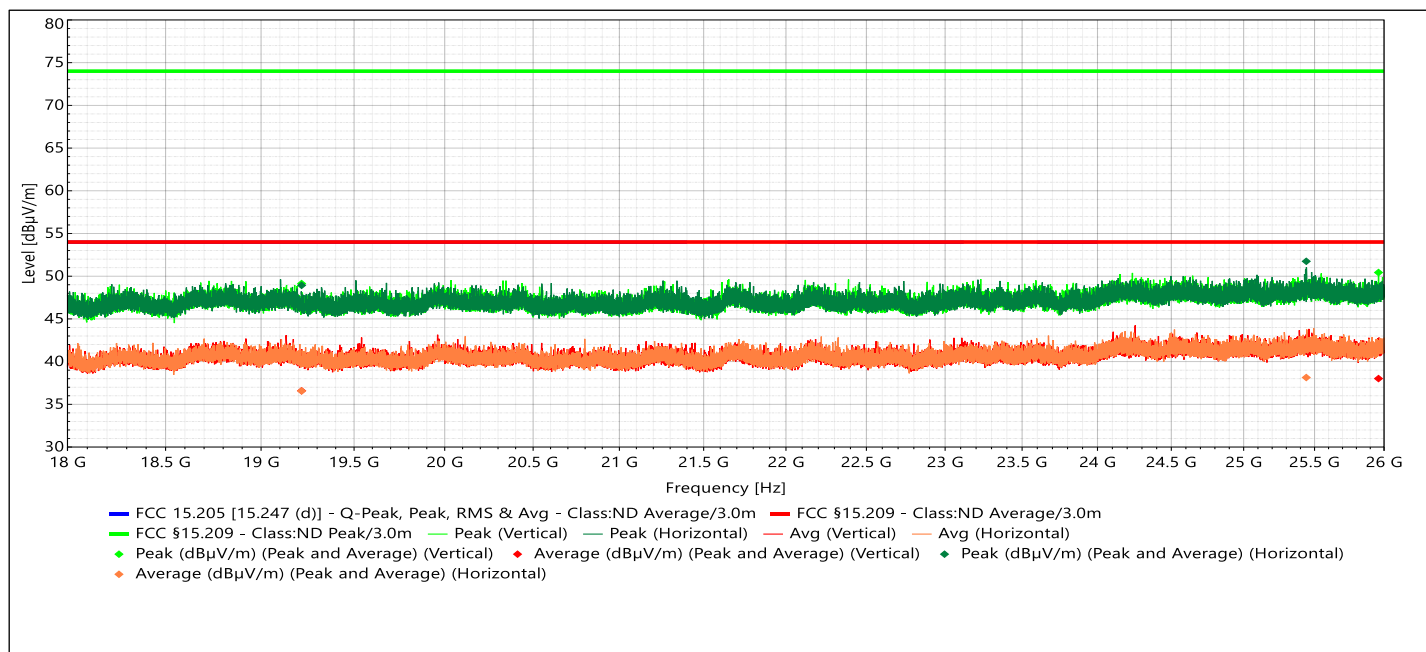


Figure 2.7.7-44 – Radiated Emissions Test Results

**Table 2.7.7-12– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19216.307	49.14	74.00	-24.86	36.58	54.00	-17.42	176.00	2.99	Vertical	Pass
25959.660	50.43	74.00	-23.57	38.02	54.00	-15.98	0.00	3.85	Vertical	Pass
19216.260	48.93	74.00	-25.07	36.57	54.00	-17.43	88.00	3.08	Horizontal	Pass
25441.143	51.74	74.00	-22.26	38.14	54.00	-15.86	336.00	3.56	Horizontal	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 9kHz-30MHz - TX ON_1 Mbps_2440MHz_X-axis - Vertical Co-Axial

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
9 kHz - 150 kHz	3m	Vertical	200 Hz	1411 Pts	5 ms/MHz
150 kHz - 30 MHz	3m	Vertical	9 kHz	5971 Pts	5 ms/MHz

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/4/2025	23.8C	9%	992 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2440 MHz	19	TX	X-axis

Limit:
FCC Part 15/FCC §15.209_2025_09_23

Test Results:
Pass

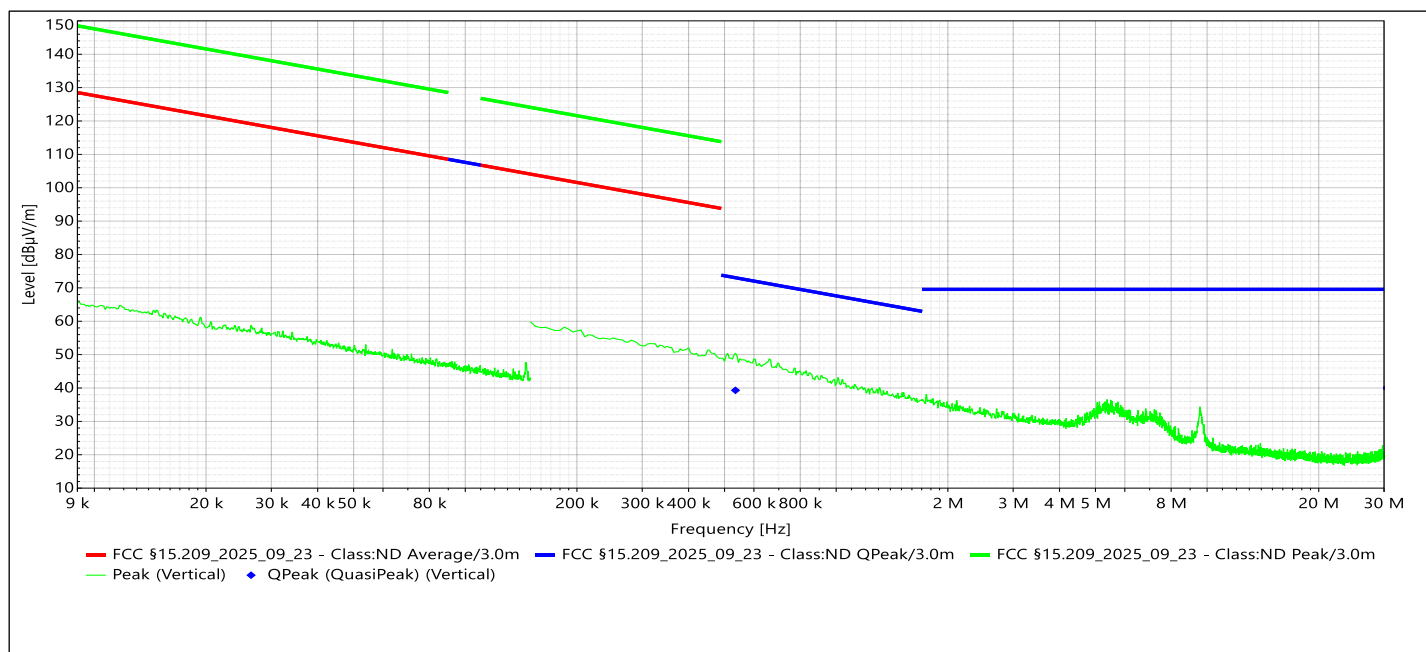


Figure 2.7.7-45 – Radiated Emissions Test Results

**Table 2.7.7-13– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.535	39.31	73.04	-33.73	98.00	1.00	Vertical	Pass

Test Notes: 1 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 30M-1GHz - TX ON _1 Mbps_2440MHz_X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	120 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	120 kHz	19401 Pts	Auto

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/21/2025	23.6 C	19 %	984 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2440 MHz	19	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

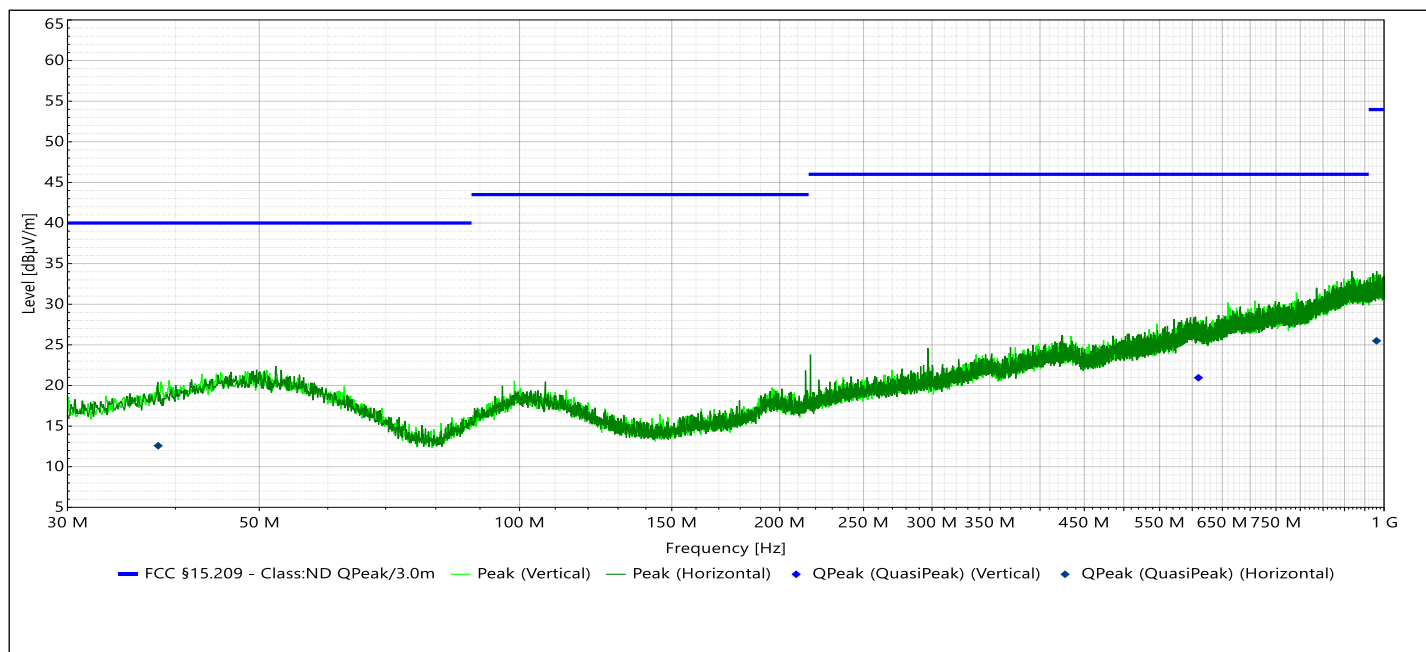


Figure 2.7.7-46 – Radiated Emissions Test Results

**Table 2.7.7-14– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
609.996	20.95	46.00	-25.05	261.00	3.48	Vertical	Pass
38.199	12.58	40.00	-27.42	166.00	3.14	Horizontal	Pass
980.231	25.49	53.97	-28.48	347.00	2.02	Horizontal	Pass

Test Notes: 1 Mbps - TX Power Setting = 0 dBm



Spurious Emissions 1-18GHz - TX ON_1 Mbps_ 2440 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz - 18 GHz	3m	Vertical	1 MHz	34001 Pts	200 ms
1 GHz - 18 GHz	3m	Horizontal	1 MHz	34001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/20/2025	24.9 C	27%	983 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2440 MHz	19	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

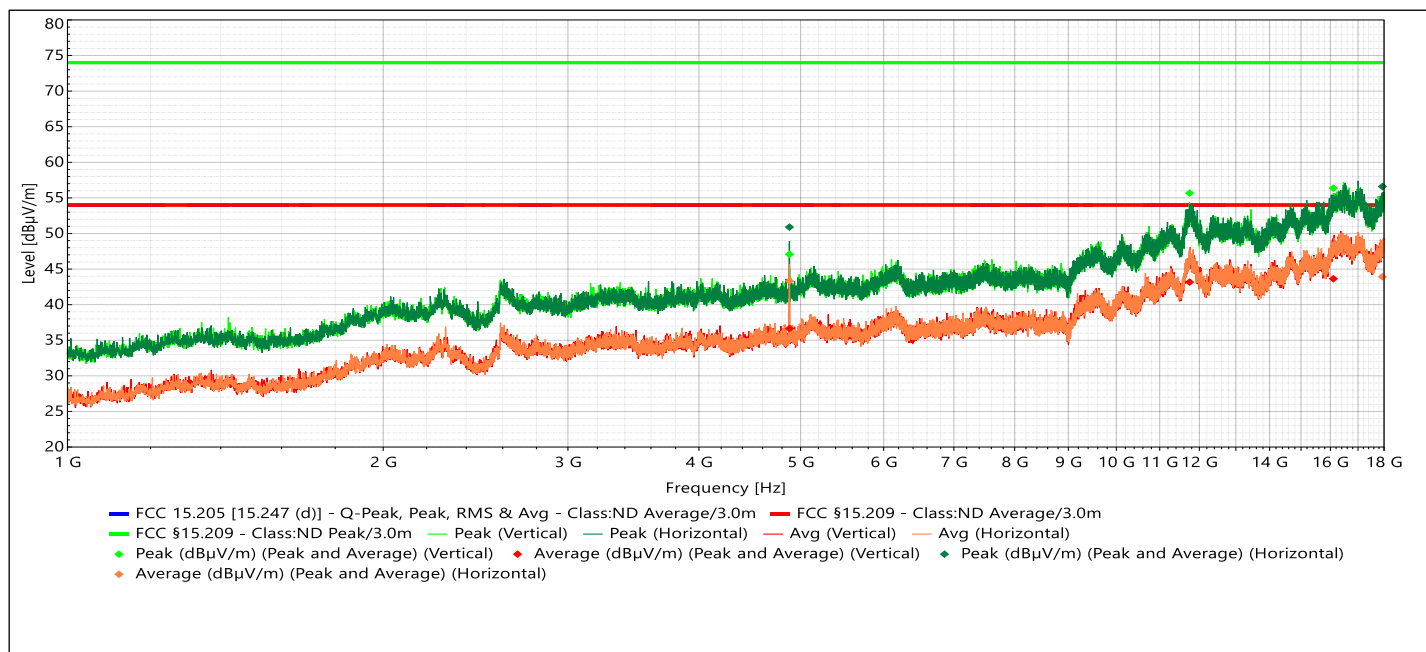


Figure 2.7.7-47 – Radiated Emissions Test Results

**Table 2.7.7-15– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
4879.464	47.08	74.00	-26.92	36.65	54.00	-17.35	360.00	1.05	Vertical	Pass
11745.588	55.67	74.00	-18.33	43.17	54.00	-10.83	136.00	1.79	Vertical	Pass
16104.520	56.37	74.00	-17.63	43.64	54.00	-10.36	144.00	3.55	Vertical	Pass
4879.464	50.89	74.00	-23.11	43.33	54.00	-10.67	143.00	1.66	Horizontal	Pass
17936.397	56.60	74.00	-17.40	43.91	54.00	-10.09	280.00	1.63	Horizontal	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 18-26GHz - TX ON_1 Mbps_ 2440 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/2/2025	22.2 C	13%	991 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2440 MHz	19	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

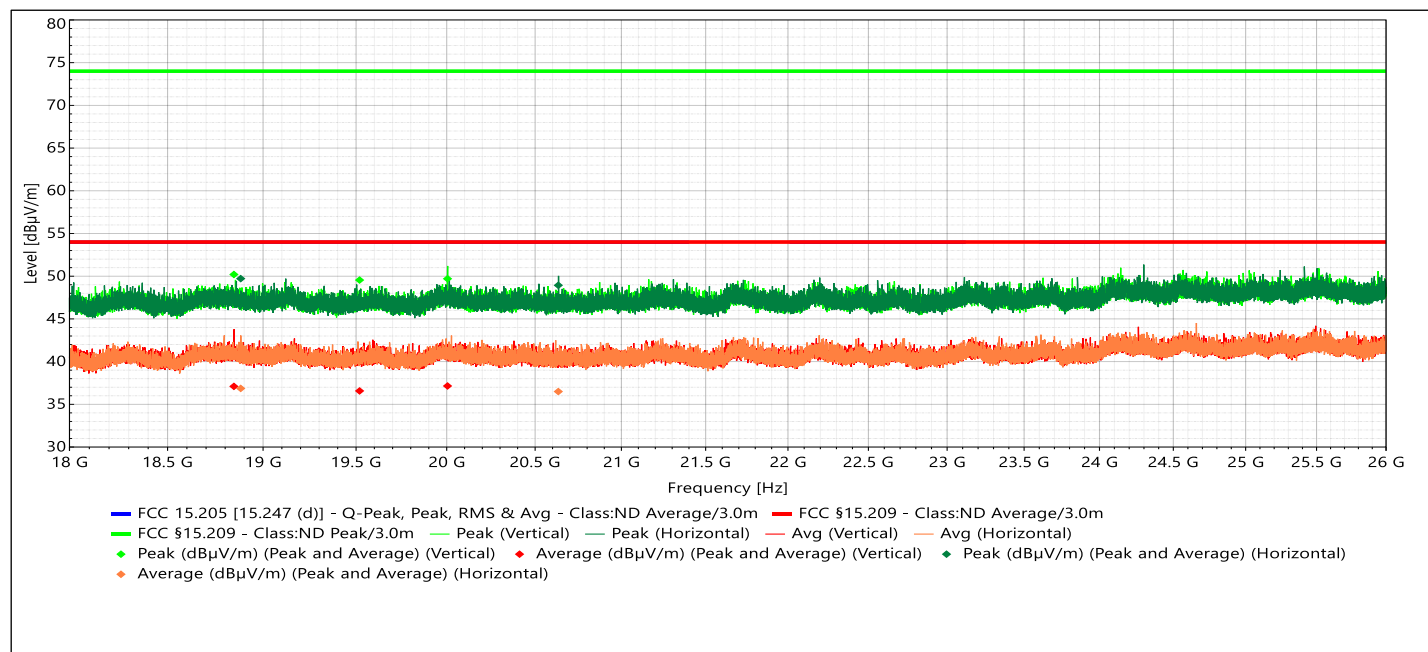


Figure 2.7.7-48 – Radiated Emissions Test Results

**Table 2.7.7-16– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
18845.919	50.20	74.00	-23.80	37.10	54.00	-16.90	281.00	1.68	Vertical	Pass
19519.169	49.55	74.00	-24.45	36.57	54.00	-17.43	56.00	2.99	Vertical	Pass
20004.498	49.70	74.00	-24.30	37.15	54.00	-16.85	111.00	2.93	Vertical	Pass
18881.681	49.72	74.00	-24.28	36.86	54.00	-17.14	87.00	3.47	Horizontal	Pass
20633.226	48.93	74.00	-25.07	36.50	54.00	-17.50	321.00	1.54	Horizontal	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 9kHz-30MHz - TX ON_1 Mbps_2480MHz_X-axis - Vertical Co-Axial

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
9 kHz - 150 kHz	3m	Vertical	200 Hz	1411 Pts	5 ms/MHz
150 kHz - 30 MHz	3m	Vertical	9 kHz	5971 Pts	5 ms/MHz

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/4/2025	23.8C	9%	992 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209_2025_09_23

Test Results:
Pass

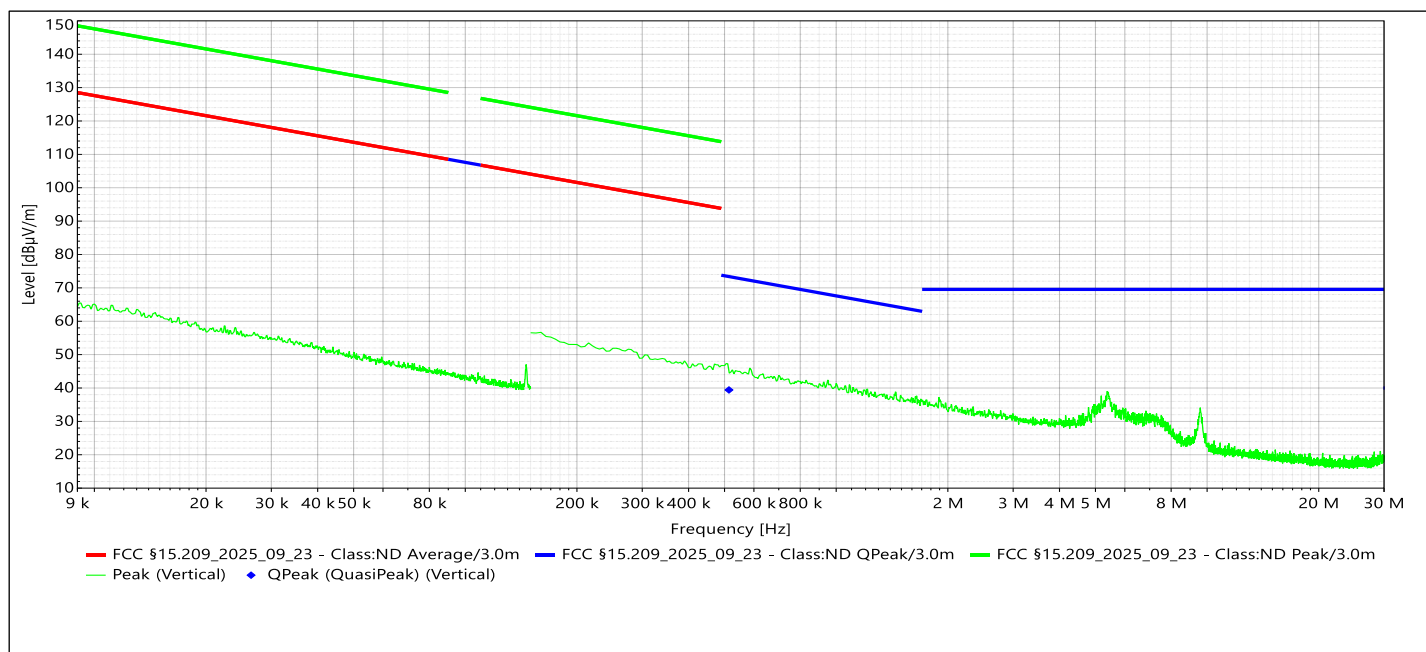


Figure 2.7.7-49 – Radiated Emissions Test Results

**Table 2.7.7-17– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.514	39.42	73.37	-33.95	48.00	1.00	Vertical	Pass

Test Notes: 1 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 9kHz-30MHz - TX ON_1 Mbps_2480MHz_X-axis - Vertical Co-Planar

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
9 kHz - 150 kHz	3m	Vertical	200 Hz	1411 Pts	5 ms/MHz
150 kHz - 30 MHz	3m	Vertical	9 kHz	5971 Pts	5 ms/MHz

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/4/2025	23.8C	9%	992 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209_2025_09_23

Test Results:
Pass

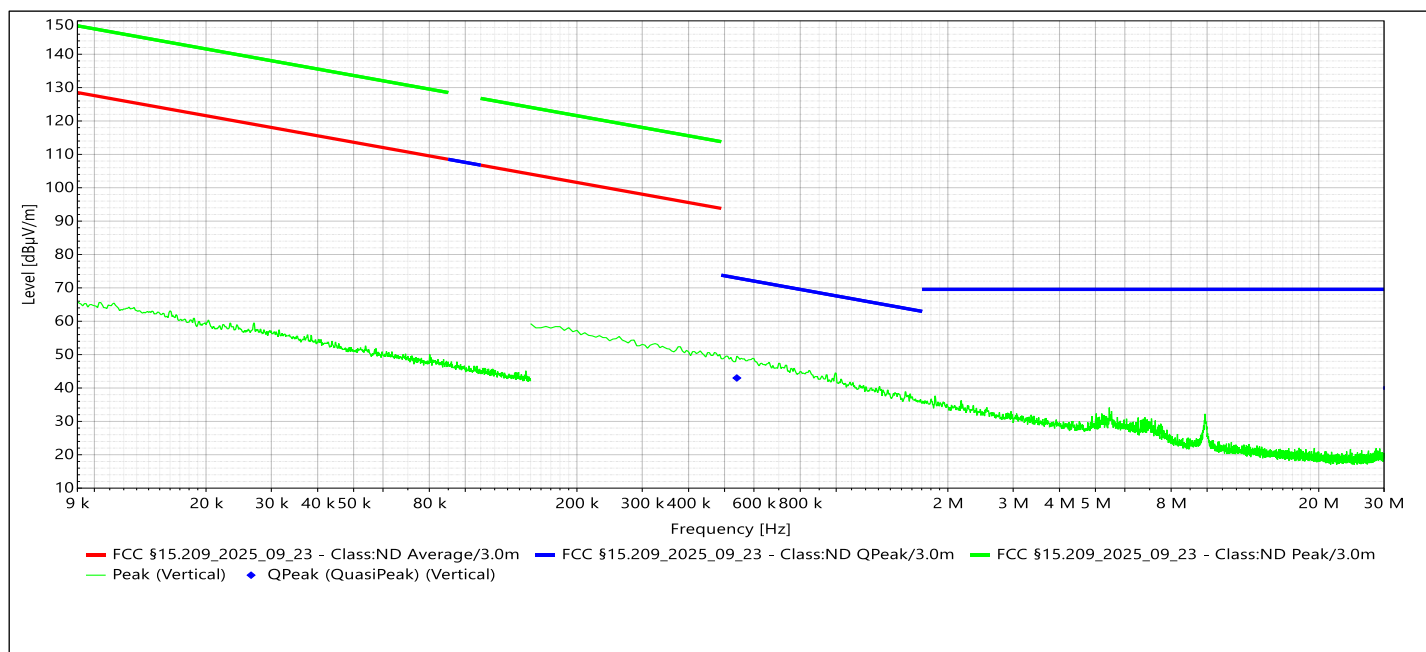


Figure 2.7.7-50 – Radiated Emissions Test Results

**Table 2.7.7-18– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.540	43.00	72.96	-29.96	269.00	1.00	Vertical	Pass

Test Notes: 1 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 9kHz-30MHz - TX ON_1 Mbps_2480MHz_X-axis - Horizontal Co-Planar

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
9 kHz - 150 kHz	3m	Horizontal	200 Hz	1411 Pts	5 ms/MHz
150 kHz - 30 MHz	3m	Horizontal	9 kHz	5971 Pts	5 ms/MHz

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/4/2025	23.8C	9%	992 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209_2025_09_23

Test Results:
Pass

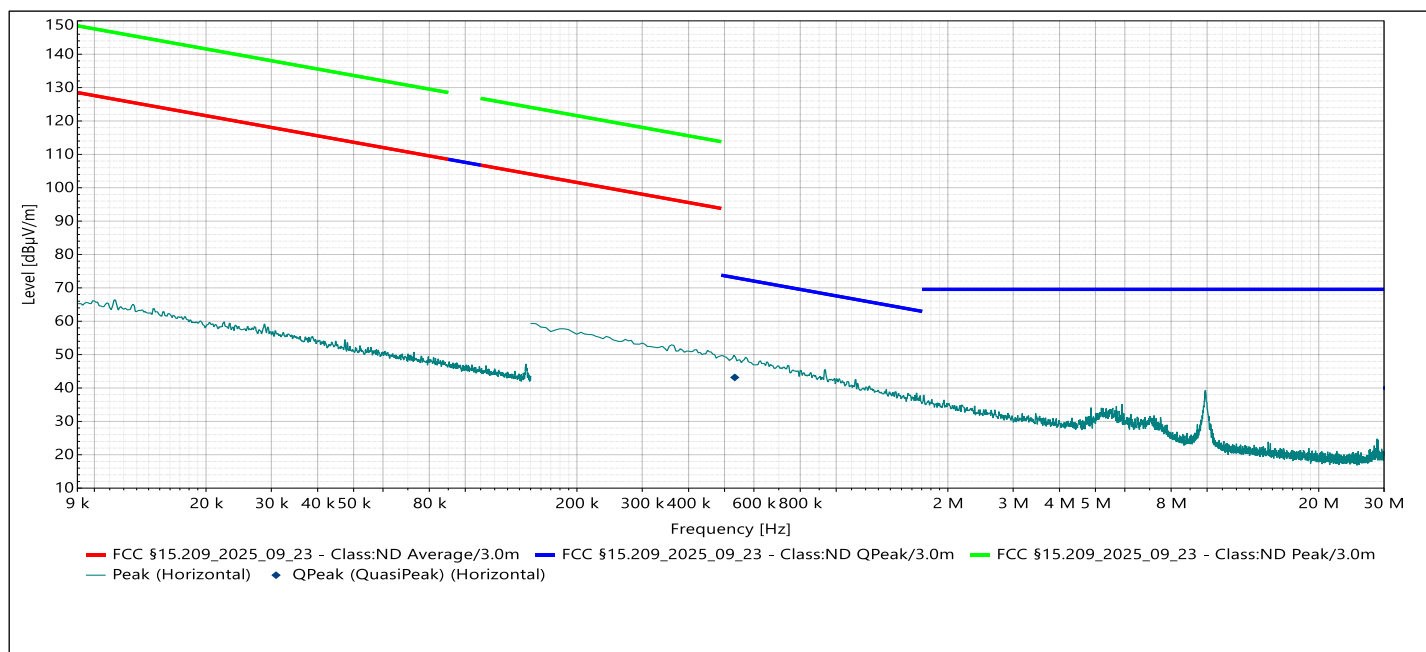


Figure 2.7.7-51 – Radiated Emissions Test Results

**Table 2.7.7-19– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.533	43.17	73.04	-29.87	77.00	1.00	Horizontal	Pass

Test Notes: 1 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 30M-1GHz - TX ON _1 Mbps_2480MHz_X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	120 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	120 kHz	19401 Pts	Auto

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/21/2025	23.6 C	19 %	984 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

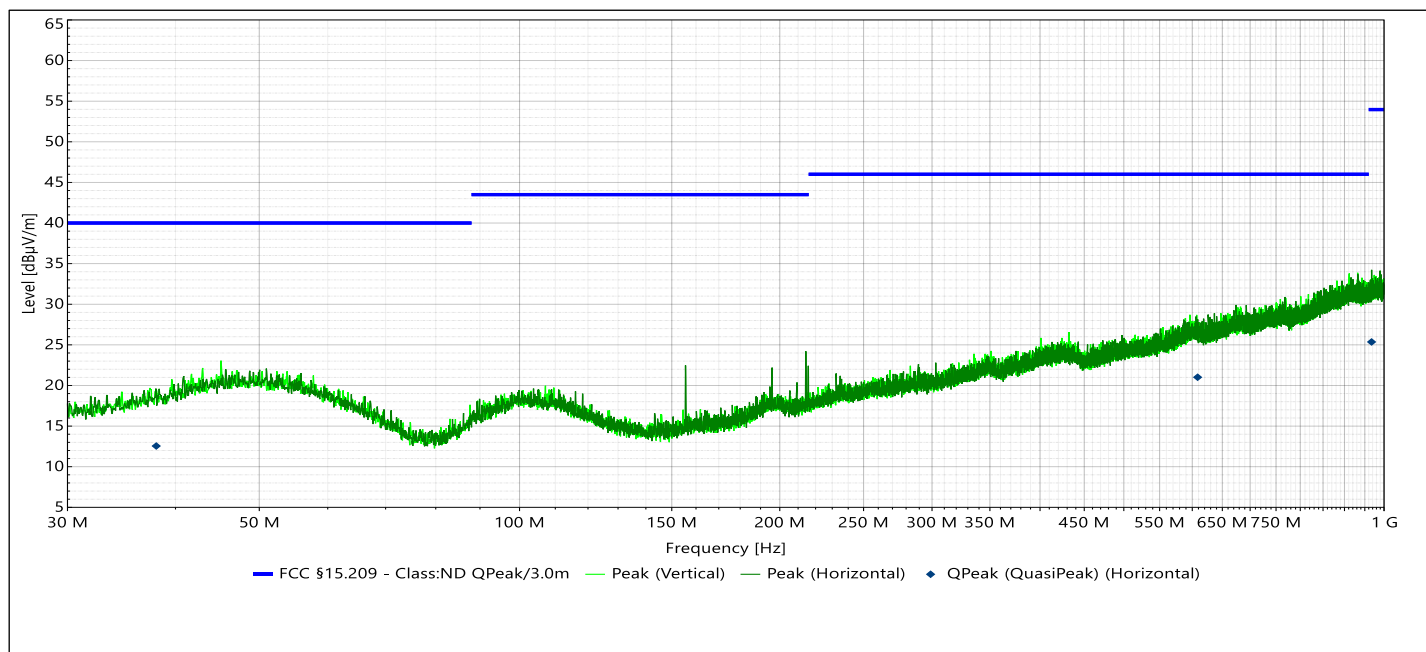


Figure 2.7.7-52 – Radiated Emissions Test Results

**Table 2.7.7-20– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
38.001	12.55	40.00	-27.45	188.00	3.38	Horizontal	Pass
608.648	21.01	46.00	-24.99	124.00	1.00	Horizontal	Pass
967.282	25.36	53.97	-28.61	0.00	4.00	Horizontal	Pass

Test Notes: 1 Mbps - TX Power Setting = 0 dBm



Spurious Emissions 1-18GHz - TX ON_1 Mbps_ 2480 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz - 18 GHz	3m	Vertical	1 MHz	34001 Pts	200 ms
1 GHz - 18 GHz	3m	Horizontal	1 MHz	34001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/20/2025	24.9 C	27%	983 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

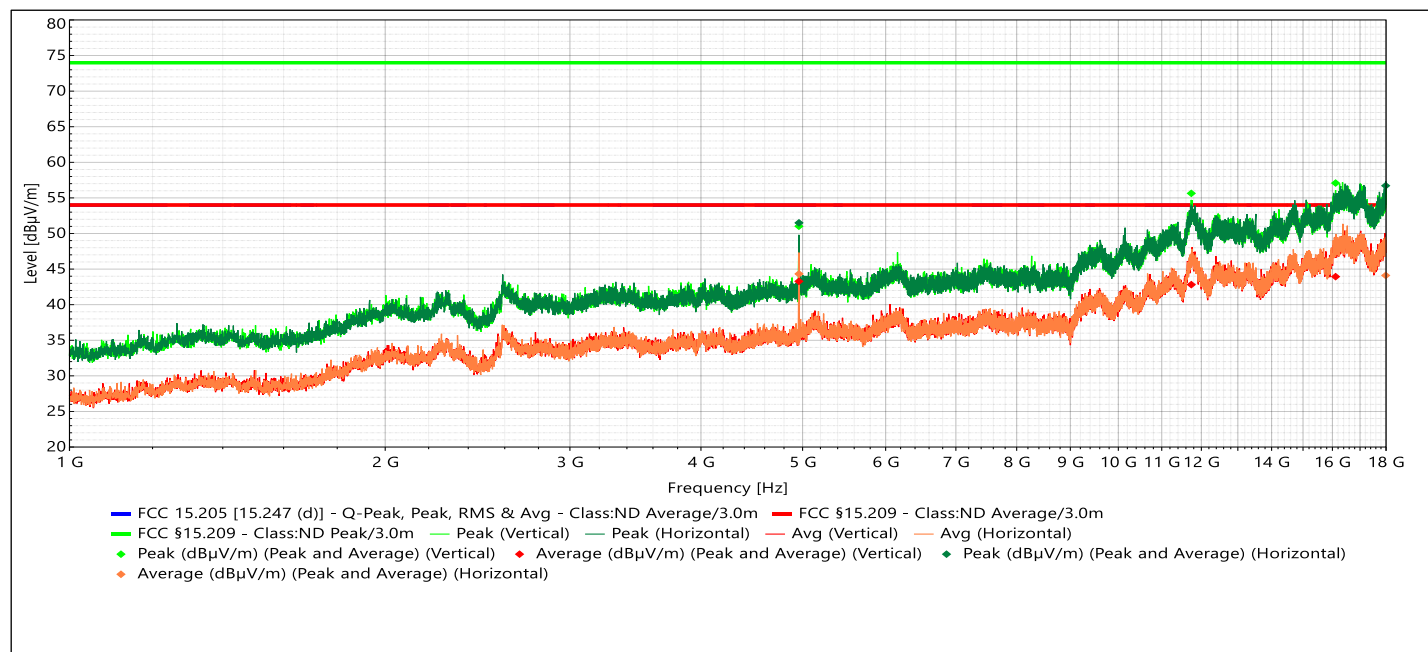


Figure 2.7.7-53 – Radiated Emissions Test Results

**Table 2.7.7-21– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
4959.464	51.02	74.00	-22.98	43.28	54.00	-10.72	39.00	1.11	Vertical	Pass
11737.704	55.64	74.00	-18.36	42.82	54.00	-11.18	71.00	2.21	Vertical	Pass
16112.741	57.09	74.00	-16.91	43.94	54.00	-10.06	153.00	1.18	Vertical	Pass
4960.458	51.49	74.00	-22.51	44.32	54.00	-9.68	321.00	1.11	Horizontal	Pass
17985.117	56.71	74.00	-17.29	44.10	54.00	-9.90	39.00	2.98	Horizontal	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 18-26GHz - TX ON_1 Mbps_ 2480 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/1/2025	22.2 C	13%	991 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

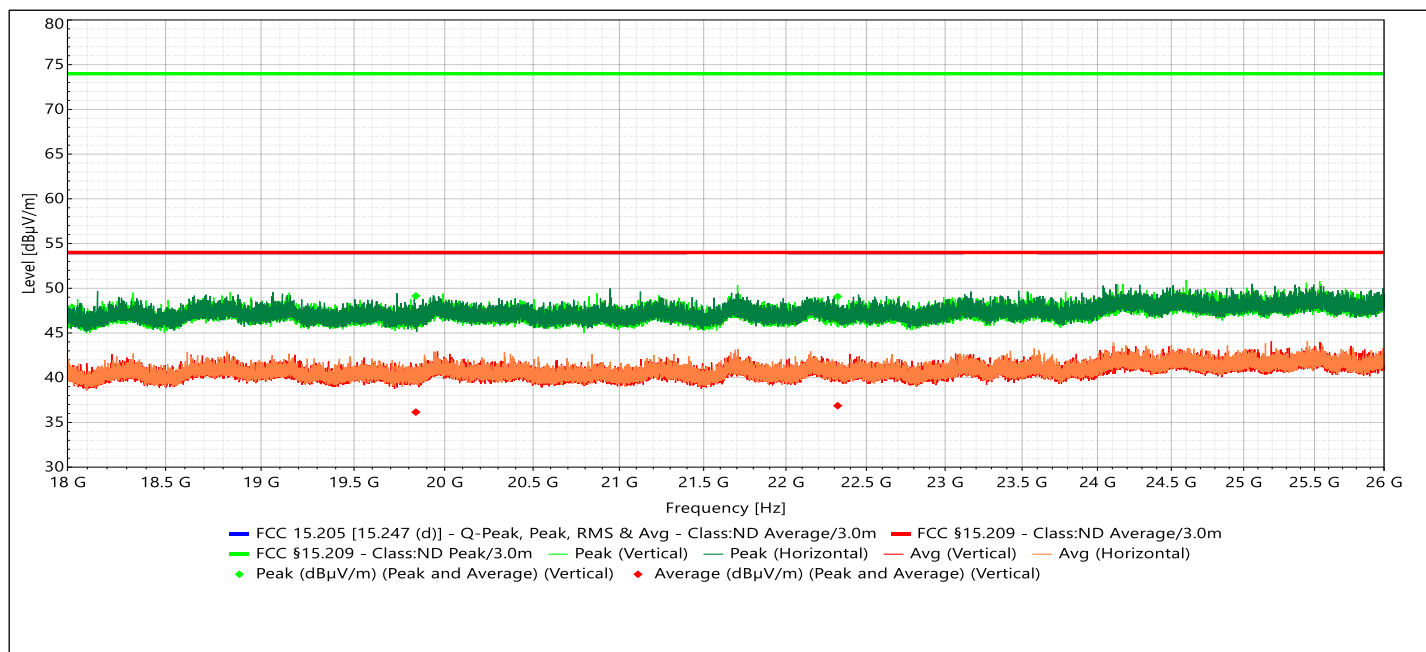


Figure 2.7.7-54 – Radiated Emissions Test Results

**Table 2.7.7-22– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19839.639	49.14	74.00	-24.86	36.15	54.00	-17.85	353.00	3.61	Vertical	Pass
22320.259	49.07	74.00	-24.93	36.87	54.00	-17.13	55.00	3.41	Vertical	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 1-18GHz - TX ON_1 Mbps_ 2480 MHz_ Y-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz - 18 GHz	3m	Vertical	1 MHz	34001 Pts	200 ms
1 GHz - 18 GHz	3m	Horizontal	1 MHz	34001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/20/2025	24.9 C	27%	983 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	Y-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

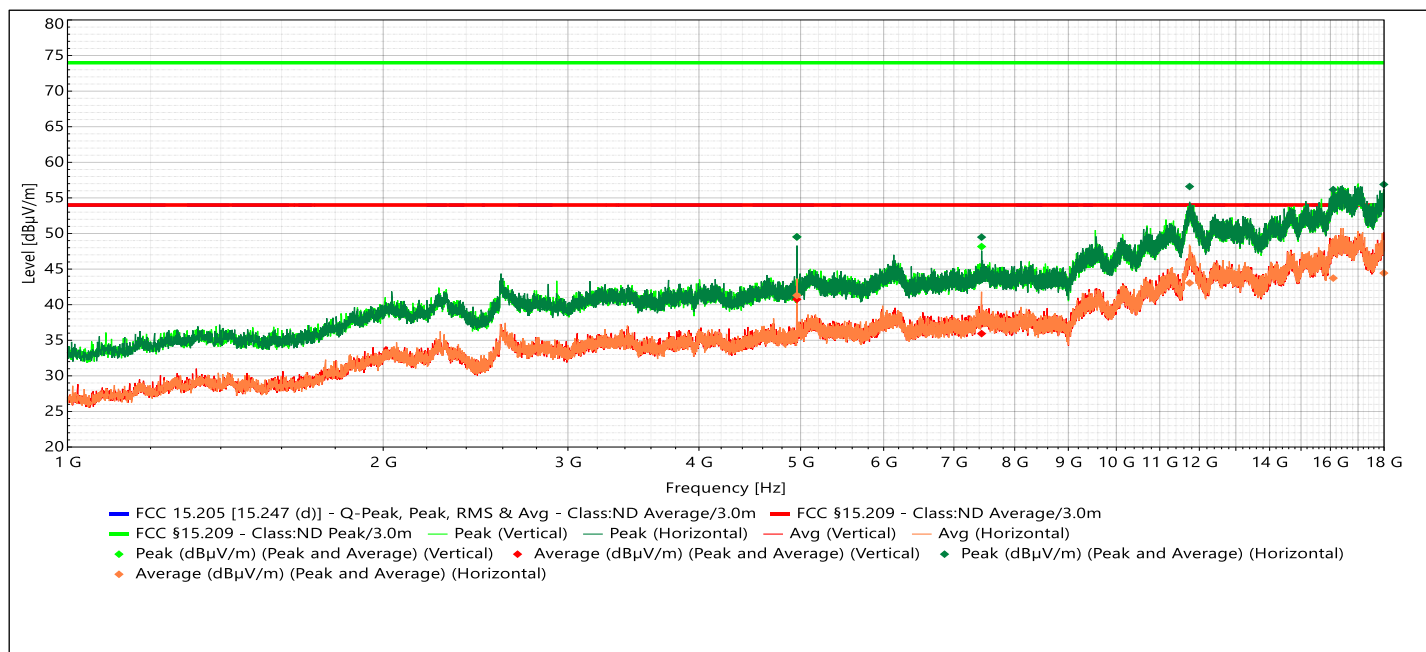


Figure 2.7.7-55 – Radiated Emissions Test Results

**Table 2.7.7-23– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
4959.465	49.52	74.00	-24.48	40.76	54.00	-13.24	265.00	4.00	Vertical	Pass
7439.351	48.16	74.00	-25.84	35.93	54.00	-18.07	273.00	3.13	Vertical	Pass
4959.465	49.52	74.00	-24.48	41.30	54.00	-12.70	313.00	1.00	Horizontal	Pass
7439.351	49.49	74.00	-24.51	38.45	54.00	-15.55	144.00	1.95	Horizontal	Pass
11745.600	56.60	74.00	-17.40	43.05	54.00	-10.95	354.00	1.18	Horizontal	Pass
16099.595	56.16	74.00	-17.84	43.73	54.00	-10.27	265.00	1.69	Horizontal	Pass
17990.147	56.89	74.00	-17.11	44.44	54.00	-9.56	248.00	1.32	Horizontal	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 18-26GHz - TX ON_1 Mbps_ 2480 MHz_Y-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/1/2025	22.2 C	13%	991 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	Y-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

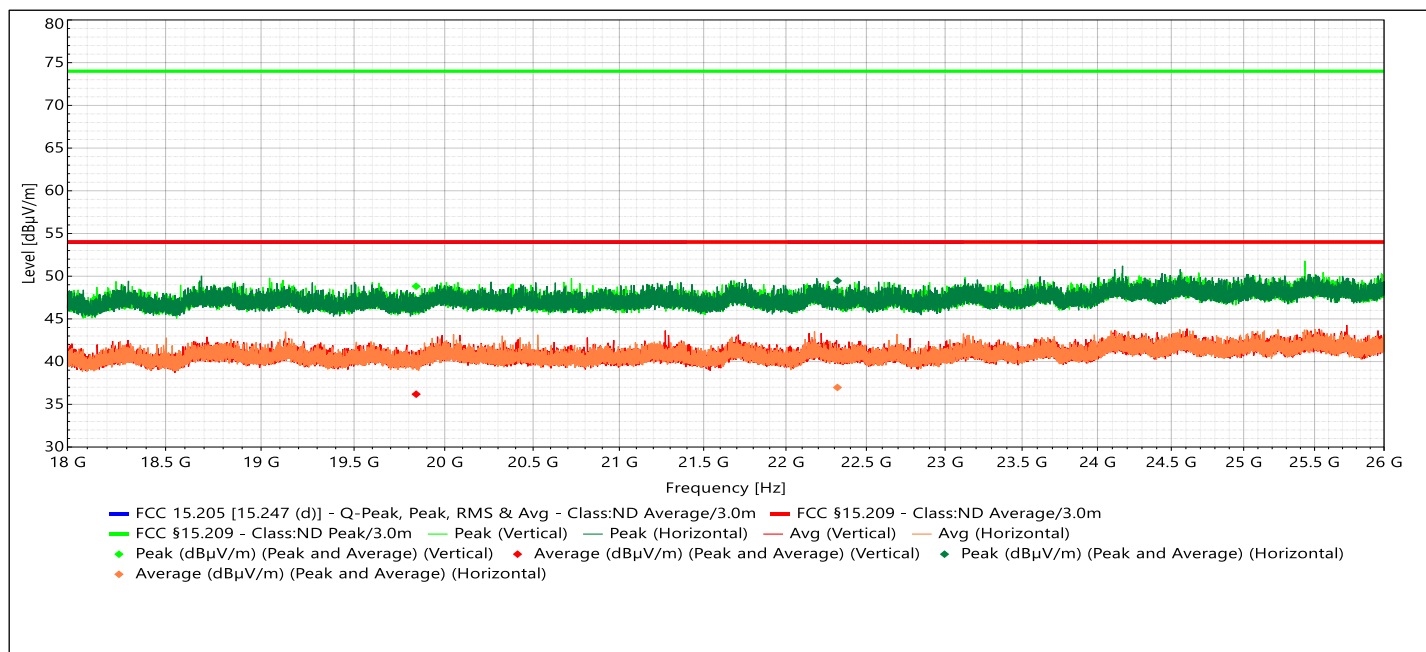


Figure 2.7.7-56 – Radiated Emissions Test Results

**Table 2.7.7-24– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19841.064	48.82	74.00	-25.18	36.19	54.00	-17.81	281.00	2.50	Vertical	Pass
22318.619	49.46	74.00	-24.54	36.97	54.00	-17.03	225.00	2.63	Horizontal	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 1-18GHz - TX ON_1 Mbps_ 2480 MHz_ Z-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz - 18 GHz	3m	Vertical	1 MHz	34001 Pts	200 ms
1 GHz - 18 GHz	3m	Horizontal	1 MHz	34001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/20/2025	24.9 C	27%	983 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	Z-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

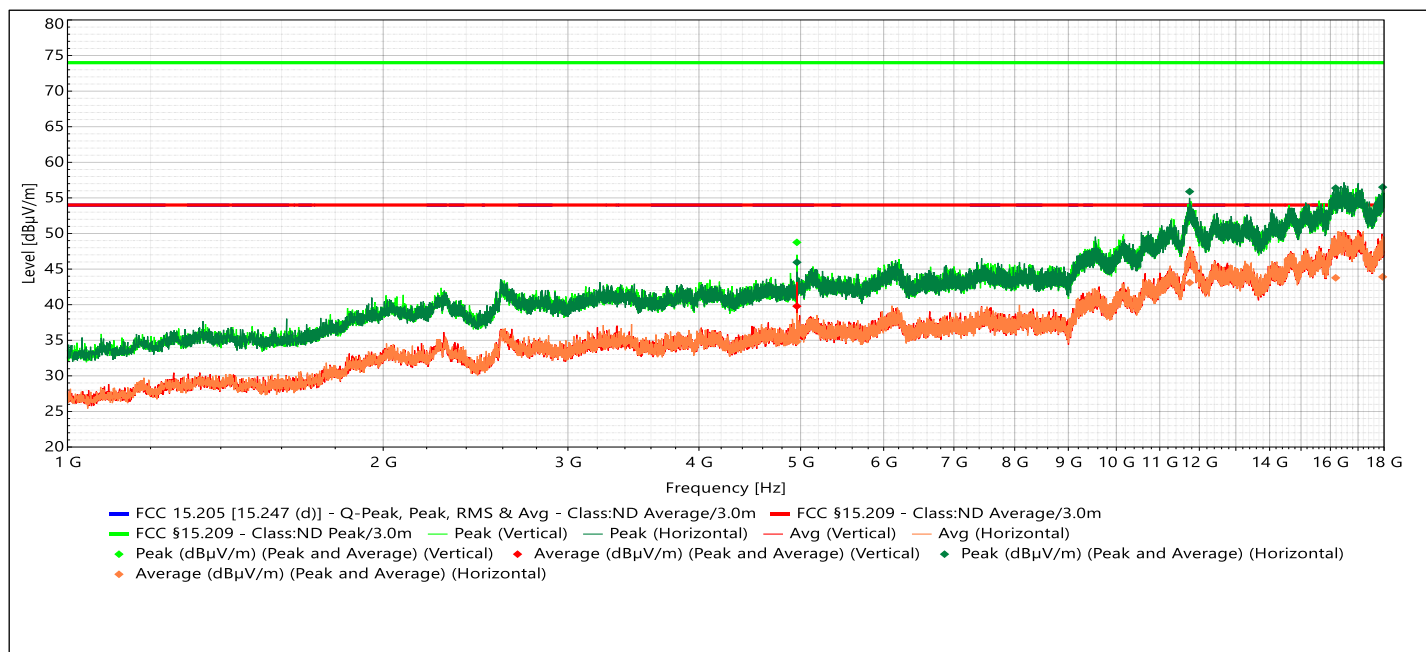


Figure 2.7.7-57 – Radiated Emissions Test Results

**Table 2.7.7-25– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
4959.464	48.76	74.00	-25.24	39.79	54.00	-14.21	273.00	3.41	Vertical	Pass
4960.462	45.96	74.00	-28.04	34.81	54.00	-19.19	39.00	2.62	Horizontal	Pass
11746.356	55.89	74.00	-18.11	43.09	54.00	-10.91	103.00	3.79	Horizontal	Pass
16185.758	56.38	74.00	-17.62	43.77	54.00	-10.23	0.00	1.87	Horizontal	Pass
17944.358	56.51	74.00	-17.49	43.91	54.00	-10.09	160.00	1.11	Horizontal	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 18-26GHz - TX ON_1 Mbps_ 2480 MHz_Z-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/1/2025	22.2 C	13%	991 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	Z-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

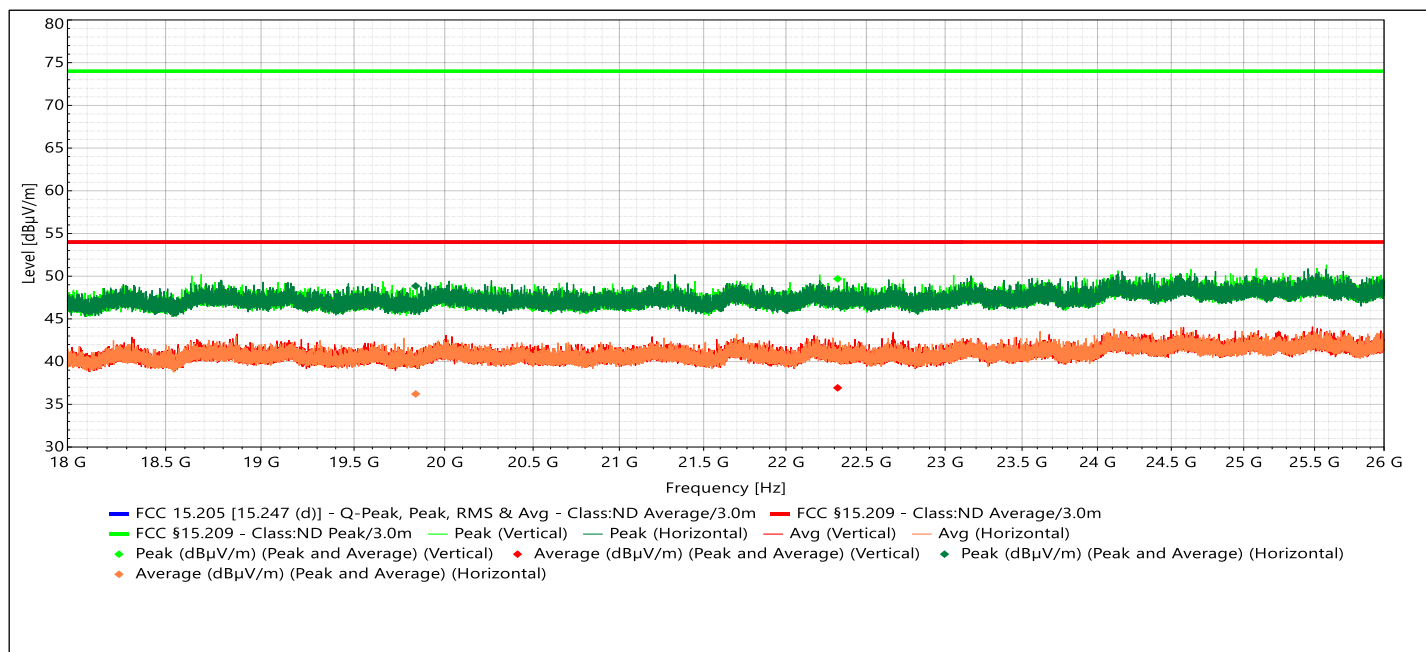


Figure 2.7.7-58 – Radiated Emissions Test Results

**Table 2.7.7-26– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
22320.096	49.70	74.00	-24.30	36.93	54.00	-17.07	39.00	2.84	Vertical	Pass
19838.505	48.85	74.00	-25.15	36.21	54.00	-17.79	191.00	2.91	Horizontal	Pass

Test Notes: 1 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 9kHz-30MHz - TX ON_2 Mbps_2402MHz_X-axis - Vertical Co-Axial

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
9 kHz - 150 kHz	3m	Vertical	200 Hz	1411 Pts	5 ms/MHz
150 kHz - 30 MHz	3m	Vertical	9 kHz	5971 Pts	5 ms/MHz

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/4/2025	23.8C	9%	992 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209_2025_09_23

Test Results:
Pass

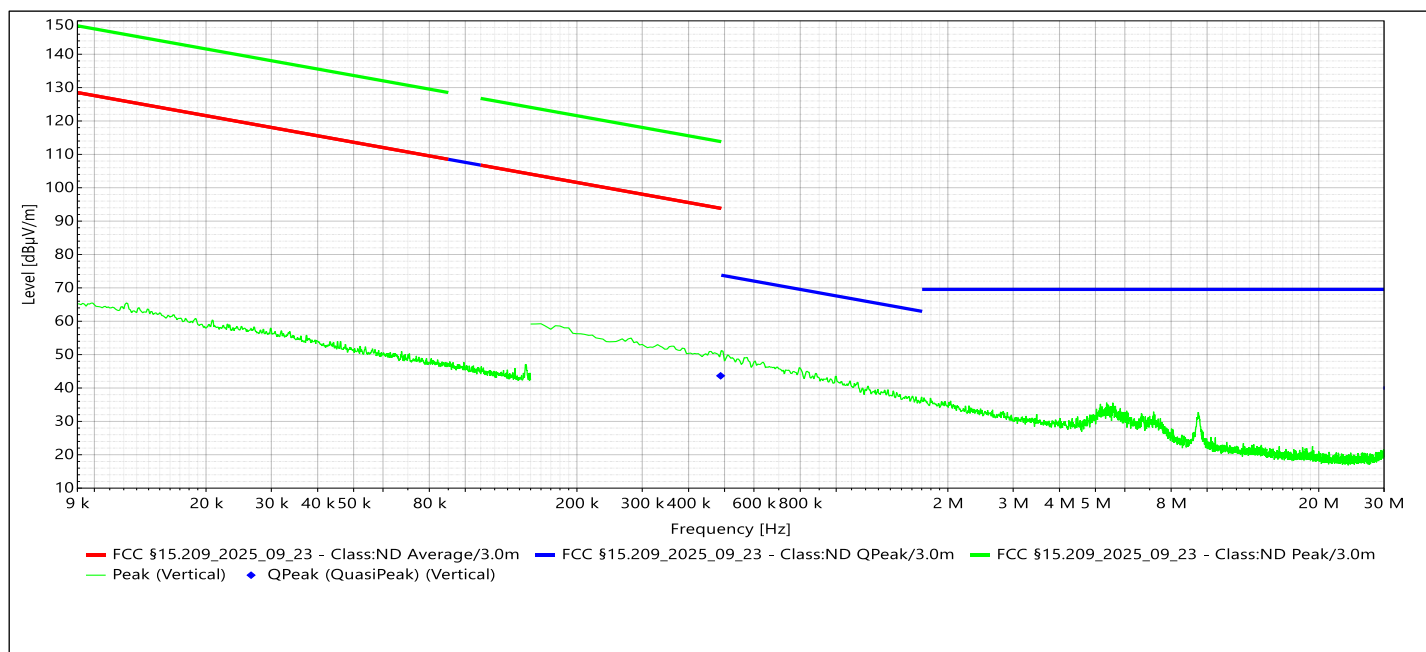


Figure 2.7.7-59 – Radiated Emissions Test Results

**Table 2.7.7-27– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.488	43.65	73.80	-30.15	63.00	1.00	Vertical	Pass

Test Notes: 2 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 30M-1GHz - TX ON _2 Mbps_2402MHz_X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	120 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	120 kHz	19401 Pts	Auto

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/3/2025	24.1 C	11 %	993 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

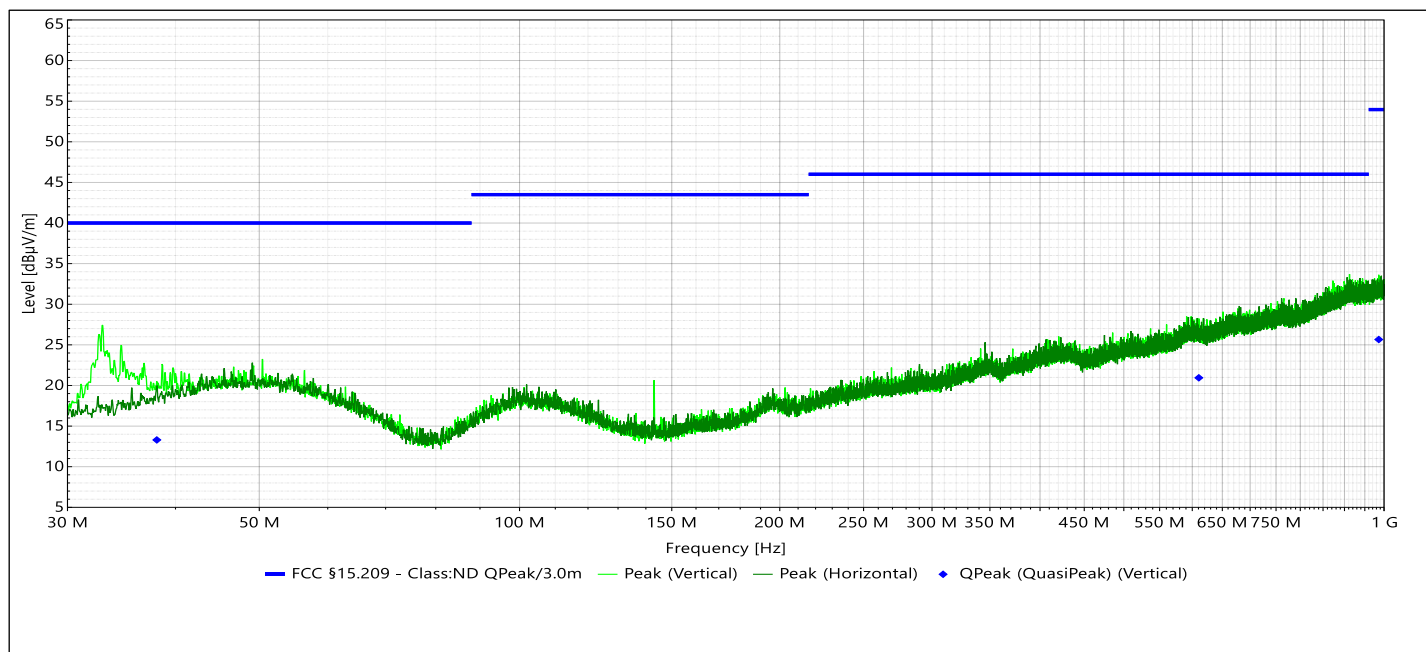


Figure 2.7.7-60 – Radiated Emissions Test Results

**Table 2.7.7-28– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
38.059	13.30	40.00	-26.70	255.00	1.06	Vertical	Pass
610.597	20.94	46.00	-25.06	360.00	3.75	Vertical	Pass
986.029	25.66	53.97	-28.31	124.00	1.00		Pass

Test Notes: 2 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 1-18GHz - TX ON_2 Mbps_ 2402 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz - 18 GHz	3m	Vertical	1 MHz	34001 Pts	200 ms
1 GHz - 18 GHz	3m	Horizontal	1 MHz	34001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/21/2025	24.9 C	27%	983 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

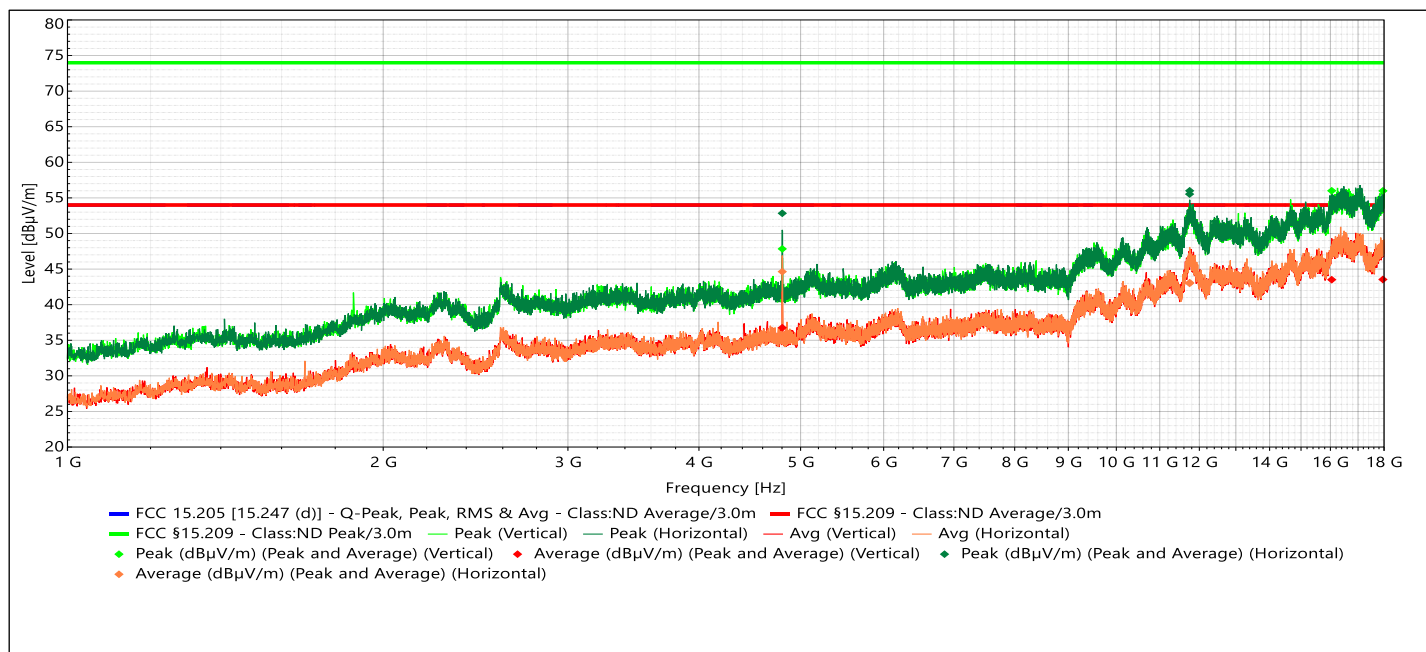


Figure 2.7.7-61 – Radiated Emissions Test Results

**Table 2.7.7-29– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
4802.962	47.84	74.00	-26.16	36.76	54.00	-17.24	55.00	2.02	Vertical	Pass
16046.321	56.00	74.00	-18.00	43.51	54.00	-10.49	135.00	1.25	Vertical	Pass
17954.527	55.99	74.00	-18.01	43.54	54.00	-10.46	209.00	3.68	Vertical	Pass
4802.962	52.84	74.00	-21.16	44.64	54.00	-9.36	217.00	1.46	Horizontal	Pass
11744.694	55.53	74.00	-18.47	42.99	54.00	-11.01	305.00	3.27	Horizontal	Pass
11747.272	56.00	74.00	-18.00	43.09	54.00	-10.91	47.00	4.00	Horizontal	Pass

Test Notes: 2 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 18-26GHz - TX ON_2 Mbps_ 2402 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/2/2025	23.1 C	13%	974 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

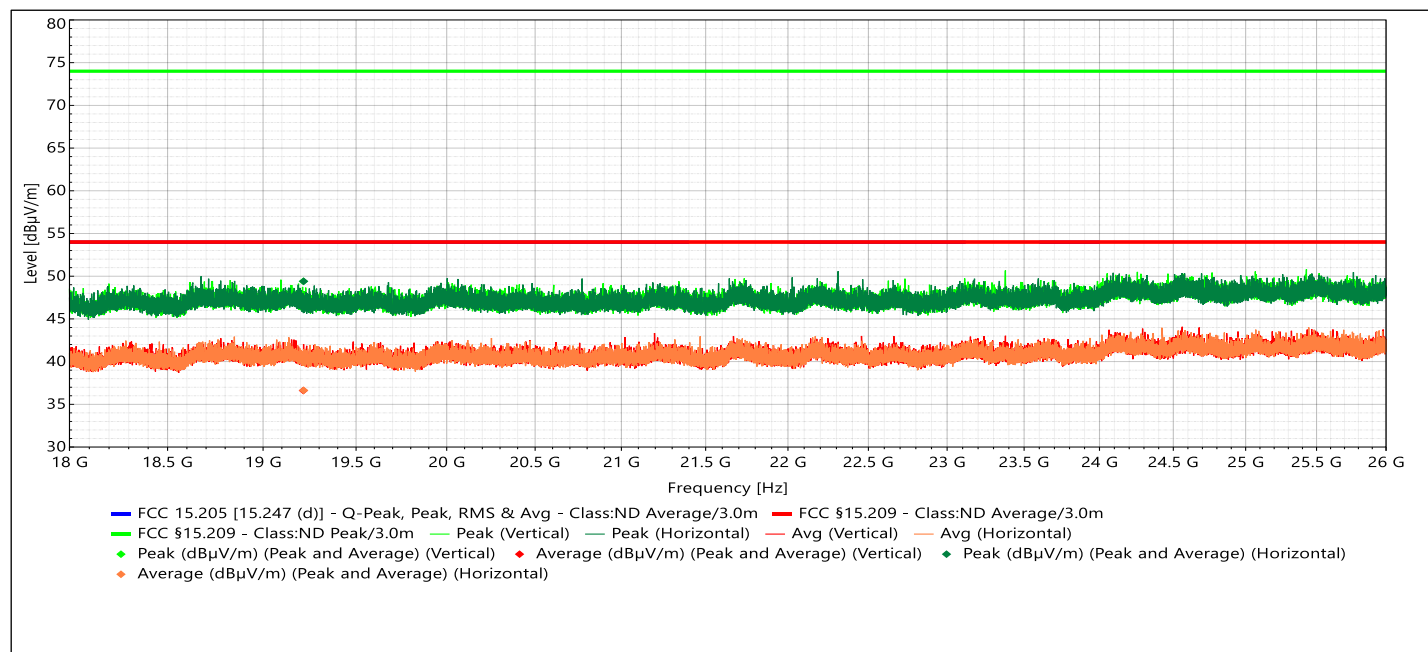


Figure 2.7.7-62 – Radiated Emissions Test Results

**Table 2.7.7-30– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19215.040	49.40	74.00	-24.60	36.61	54.00	-17.39	55.00	2.04	Vertical	Pass
19216.482	49.40	74.00	-24.60	36.64	54.00	-17.36	71.00	2.44	Horizontal	Pass

Test Notes: 2 Mbps- TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 9kHz-30MHz - TX ON_2 Mbps_2440MHz_X-axis - Vertical Co-Axial

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
9 kHz - 150 kHz	3m	Vertical	200 Hz	1411 Pts	5 ms/MHz
150 kHz - 30 MHz	3m	Vertical	9 kHz	5971 Pts	5 ms/MHz

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/4/2025	23.8C	9%	992 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2440 MHz	19	TX	X-axis

Limit:
FCC Part 15/FCC §15.209_2025_09_23

Test Results:
Pass

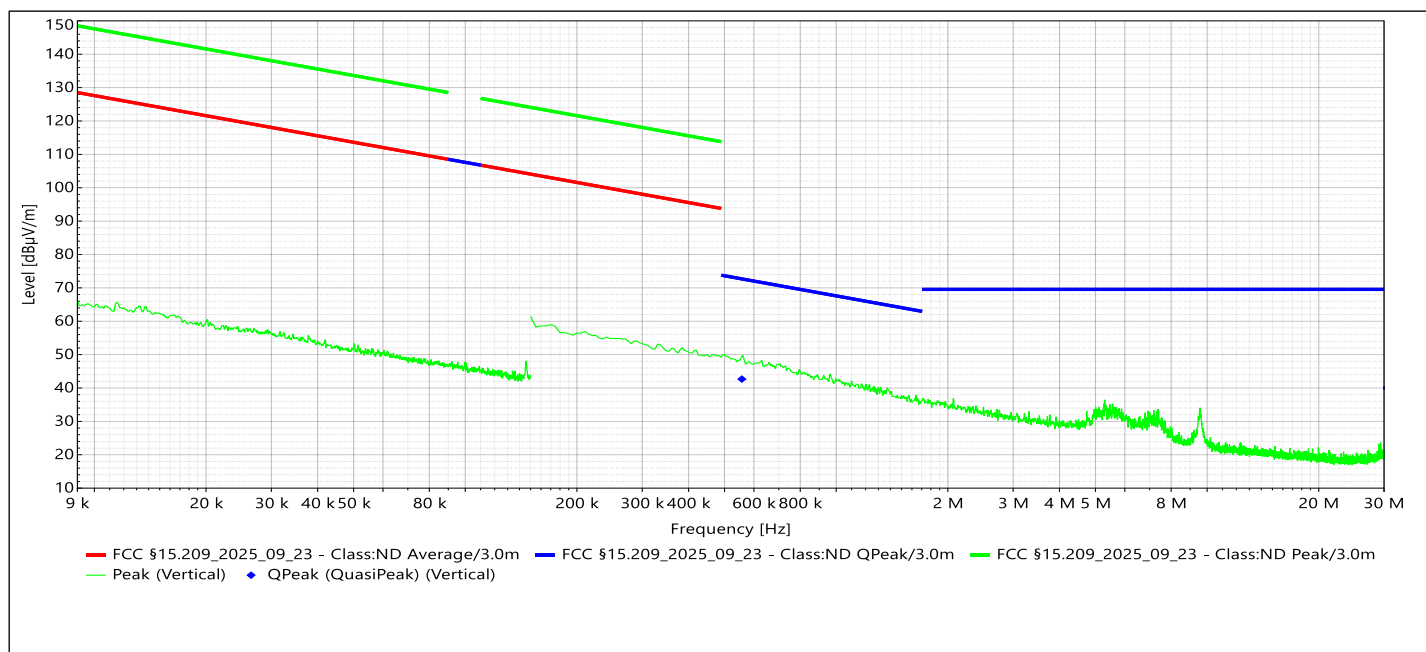


Figure 2.7.7-63 – Radiated Emissions Test Results

**Table 2.7.7-31– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.557	42.67	72.72	-30.05	277.00	1.00	Vertical	Pass

Test Notes: 2 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 30M-1GHz - TX ON _2 Mbps_2440MHz_X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	120 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	120 kHz	19401 Pts	Auto

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/3/2025	24.1 C	11 %	993 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2440 MHz	19	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

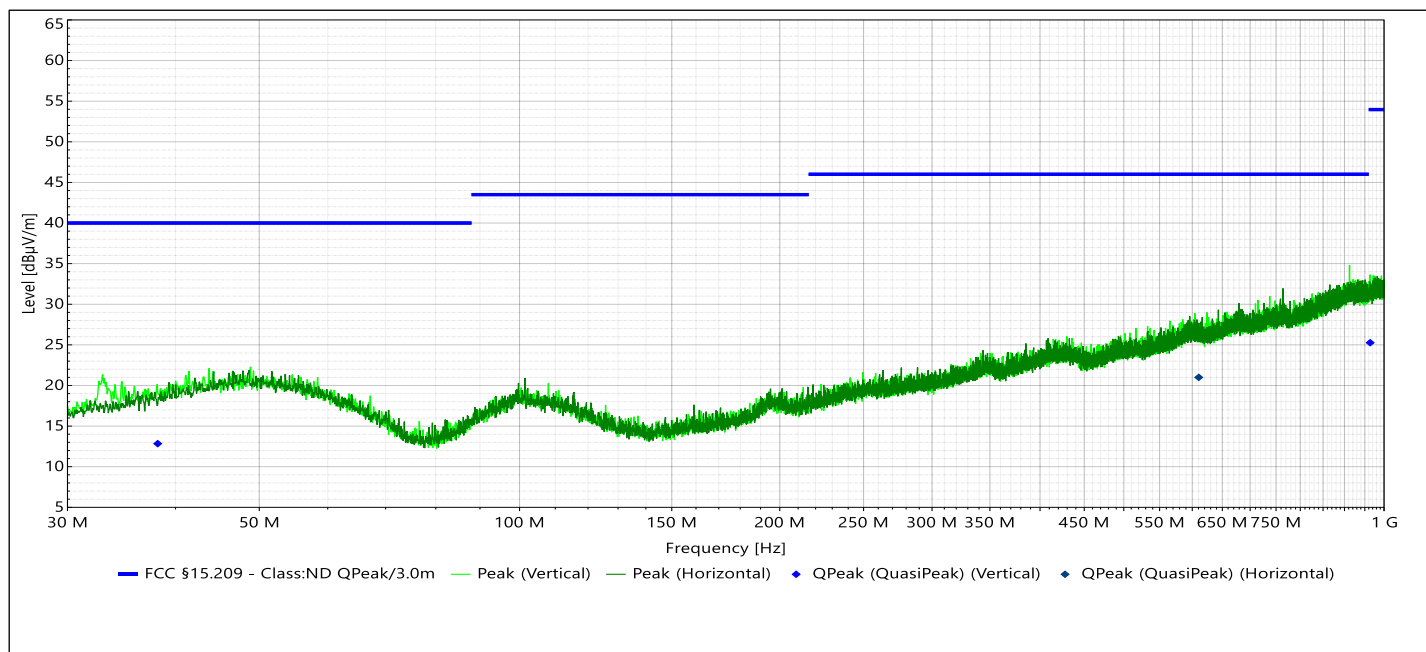


Figure 2.7.7-64 – Radiated Emissions Test Results

**Table 2.7.7-32– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
38.150	12.84	40.00	-27.16	57.00	1.57	Vertical	Pass
963.682	25.26	53.97	-28.71	64.00	2.87	Vertical	Pass
610.455	21.00	46.00	-25.00	144.00	1.72	Horizontal	Pass

Test Notes: 2 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 1-18GHz - TX ON_2 Mbps_ 2440 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz - 18 GHz	3m	Vertical	1 MHz	34001 Pts	200 ms
1 GHz - 18 GHz	3m	Horizontal	1 MHz	34001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/21/2025	24.9 C	27%	983 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2440 MHz	19	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

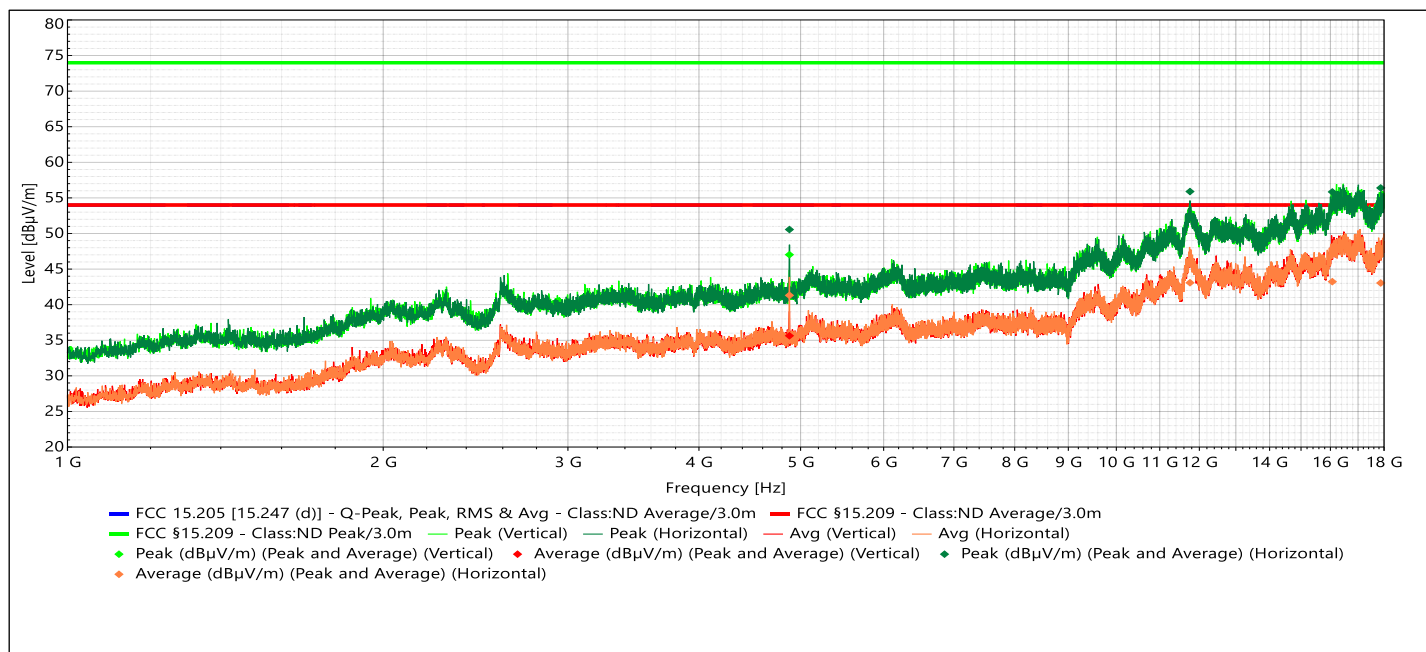


Figure 2.7.7-65 – Radiated Emissions Test Results

**Table 2.7.7-33– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
4878.964	47.02	74.00	-26.98	35.63	54.00	-18.37	280.00	1.05	Vertical	Pass
4878.961	50.56	74.00	-23.44	41.31	54.00	-12.69	225.00	1.05	Horizontal	Pass
11755.229	55.89	74.00	-18.11	43.08	54.00	-10.92	127.00	1.00	Horizontal	Pass
16067.225	55.84	74.00	-18.16	43.23	54.00	-10.77	256.00	3.84	Horizontal	Pass
17868.553	56.40	74.00	-17.60	43.05	54.00	-10.95	6.00	3.62	Horizontal	Pass

Test Notes: 2 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 18-26GHz - TX ON_2 Mbps_ 2440 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/2/2025	23.1 C	13%	974 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2440 MHz	19	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

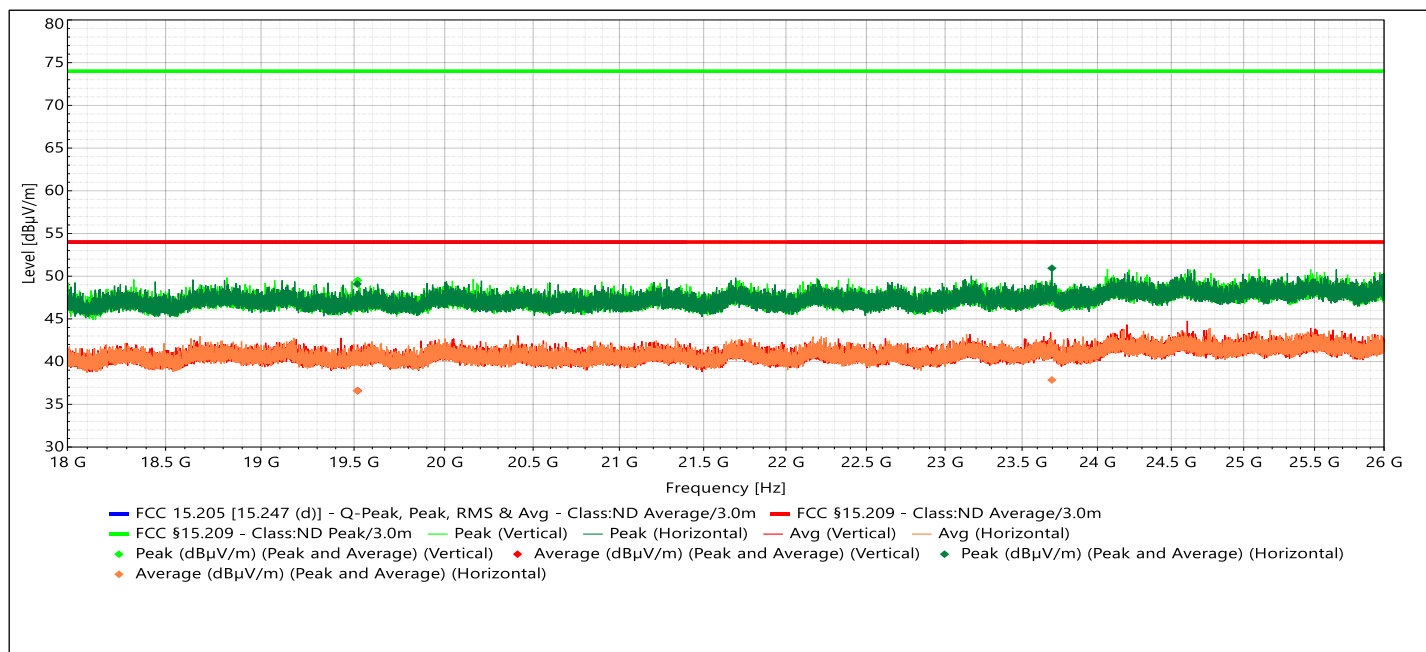


Figure 2.7.7-66 – Radiated Emissions Test Results

**Table 2.7.7-34– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19519.637	49.52	74.00	-24.48	36.59	54.00	-17.41	72.00	1.26	Vertical	Pass
19517.456	49.09	74.00	-24.91	36.59	54.00	-17.41	168.00	4.00	Horizontal	Pass
23696.248	50.93	74.00	-23.07	37.85	54.00	-16.15	281.00	1.00	Horizontal	Pass

Test Notes: 2 Mbps- TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 9kHz-30MHz - TX ON_2 Mbps_2480MHz_X-axis - Vertical Co-Axial

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
9 kHz - 150 kHz	3m	Vertical	200 Hz	1411 Pts	5 ms/MHz
150 kHz - 30 MHz	3m	Vertical	9 kHz	5971 Pts	5 ms/MHz

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/4/2025	23.8C	9%	992 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209_2025_09_23

Test Results:
Pass

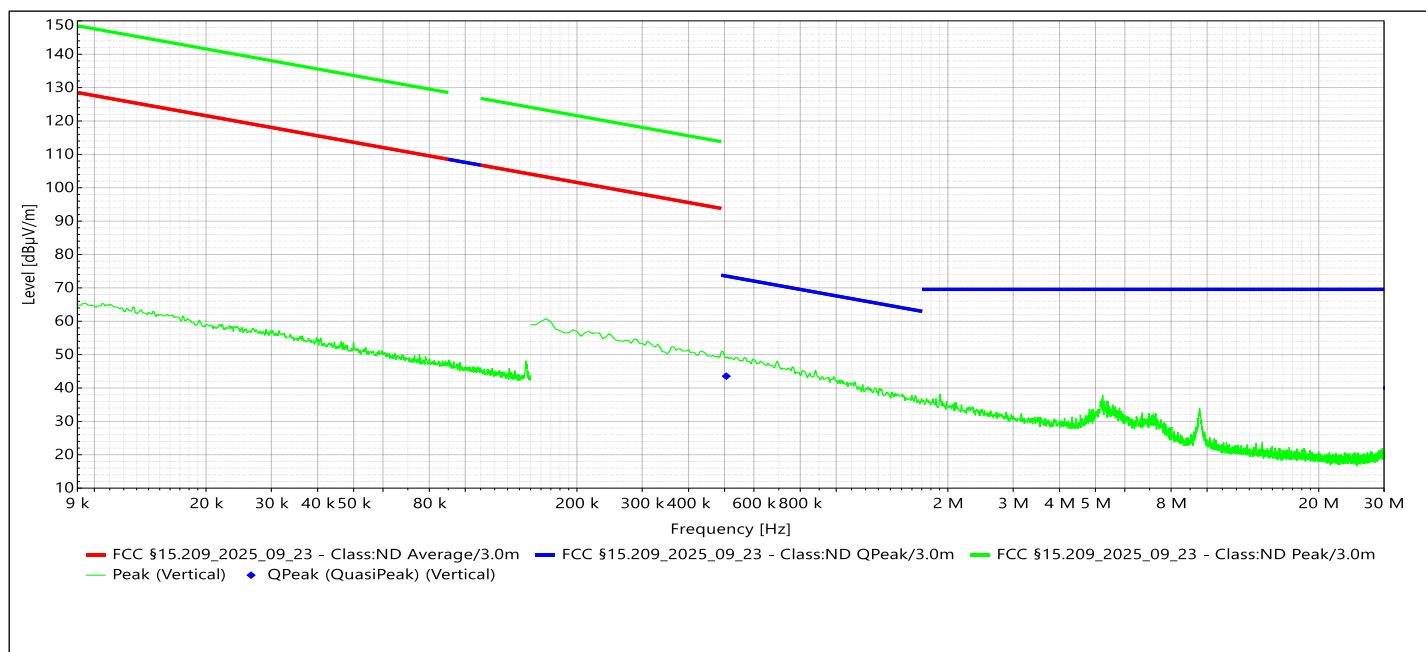


Figure 2.7.7-67 – Radiated Emissions Test Results

**Table 2.7.7-35– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.505	43.54	73.54	-30.00	277.00	1.00	Vertical	Pass

Test Notes: 2 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 30M-1GHz - TX ON _2 Mbps_2480MHz_X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	120 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	120 kHz	19401 Pts	Auto

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/3/2025	24.1 C	11 %	993 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

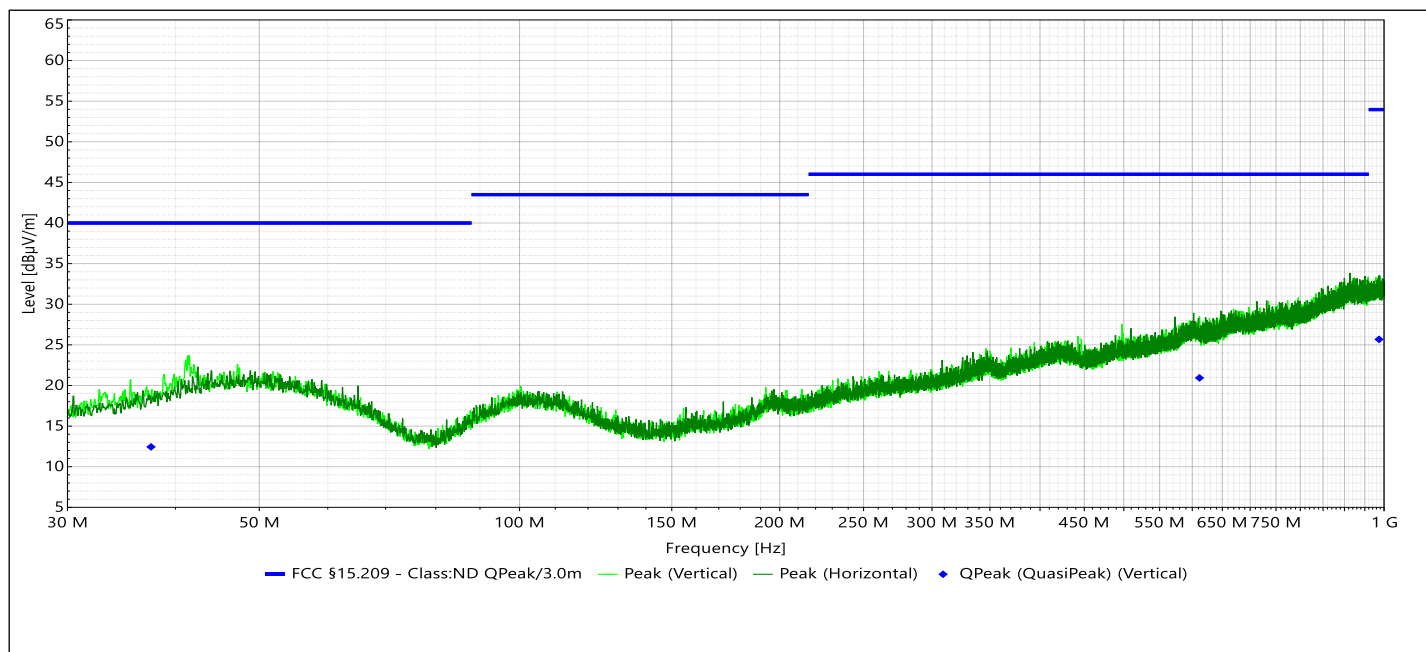


Figure 2.7.7-68 – Radiated Emissions Test Results

**Table 2.7.7-36– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
37.474	12.44	40.00	-27.56	325.00	3.64	Vertical	Pass
611.662	20.93	46.00	-25.07	360.00	1.00	Vertical	Pass
986.781	25.68	53.97	-28.29	124.00	1.00	Vertical	Pass

Test Notes: 2 Mbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 1-18GHz - TX ON_2 Mbps_ 2480 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz - 18 GHz	3m	Vertical	1 MHz	34001 Pts	200 ms
1 GHz - 18 GHz	3m	Horizontal	1 MHz	34001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/20/2025	24.9 C	27%	983 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

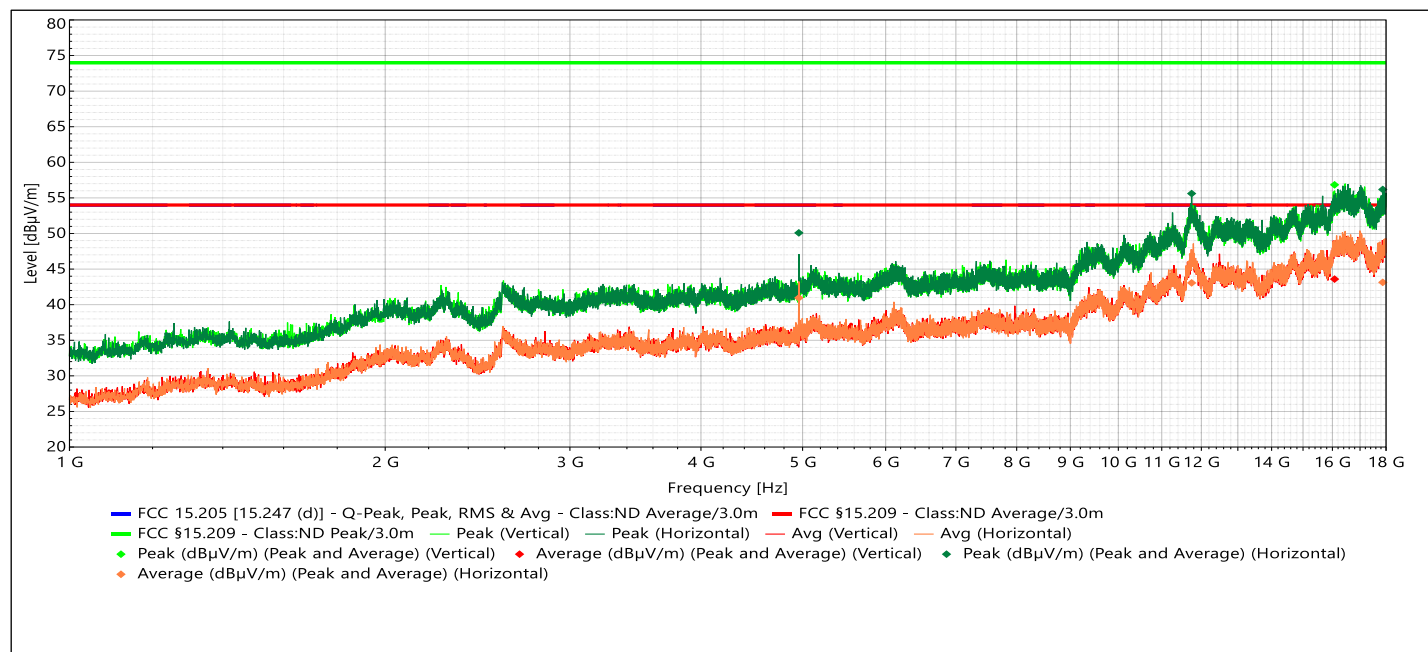


Figure 2.7.7-69 – Radiated Emissions Test Results

**Table 2.7.7-37– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
16075.940	56.84	74.00	-17.16	43.59	54.00	-10.41	265.00	3.62	Vertical	Pass
4958.959	50.09	74.00	-23.91	40.96	54.00	-13.04	217.00	1.12	Horizontal	Pass
11746.752	55.61	74.00	-18.39	43.06	54.00	-10.94	281.00	2.44	Horizontal	Pass
17870.534	56.18	74.00	-17.82	43.14	54.00	-10.86	55.00	2.83	Horizontal	Pass

Test Notes: 2 Mbps- TX Power Setting = 0 dBm



Spurious Emissions 18-26GHz - TX ON_2 Mbps_ 2480 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/2/2025	23.1 C	13%	974 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2480 MHz	39	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

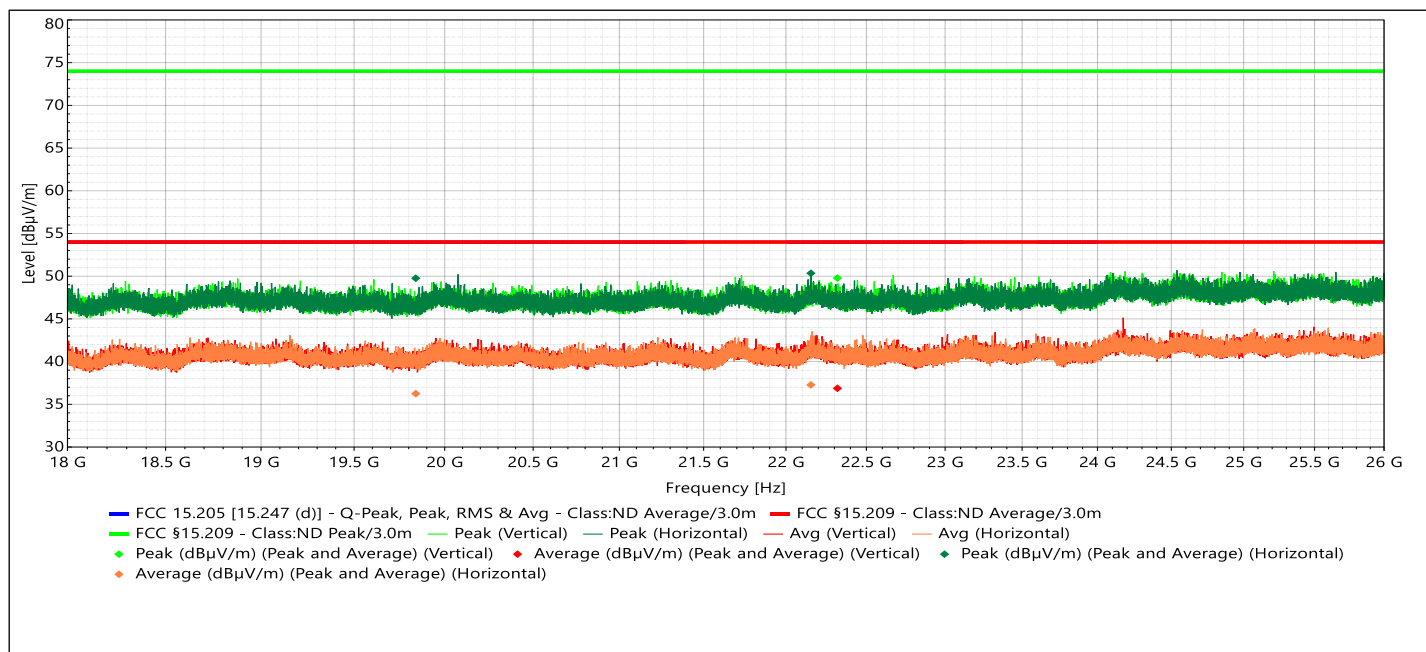


Figure 2.7.7-70 – Radiated Emissions Test Results

**Table 2.7.7-38– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
22318.551	49.78	74.00	-24.22	36.87	54.00	-17.13	208.00	1.68	Vertical	Pass
19838.944	49.76	74.00	-24.24	36.25	54.00	-17.75	296.00	1.25	Horizontal	Pass
22153.761	50.35	74.00	-23.65	37.28	54.00	-16.72	120.00	1.19	Horizontal	Pass

Test Notes: 2 Mbps- TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 9kHz-30MHz - TX ON_500 kbps_2402MHz_X-axis - Vertical Co-Axial

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
9 kHz - 150 kHz	3m	Vertical	200 Hz	1411 Pts	5 ms/MHz
150 kHz - 30 MHz	3m	Vertical	9 kHz	5971 Pts	5 ms/MHz

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/4/2025	23.8C	9%	992 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209_2025_09_23

Test Results:
Pass

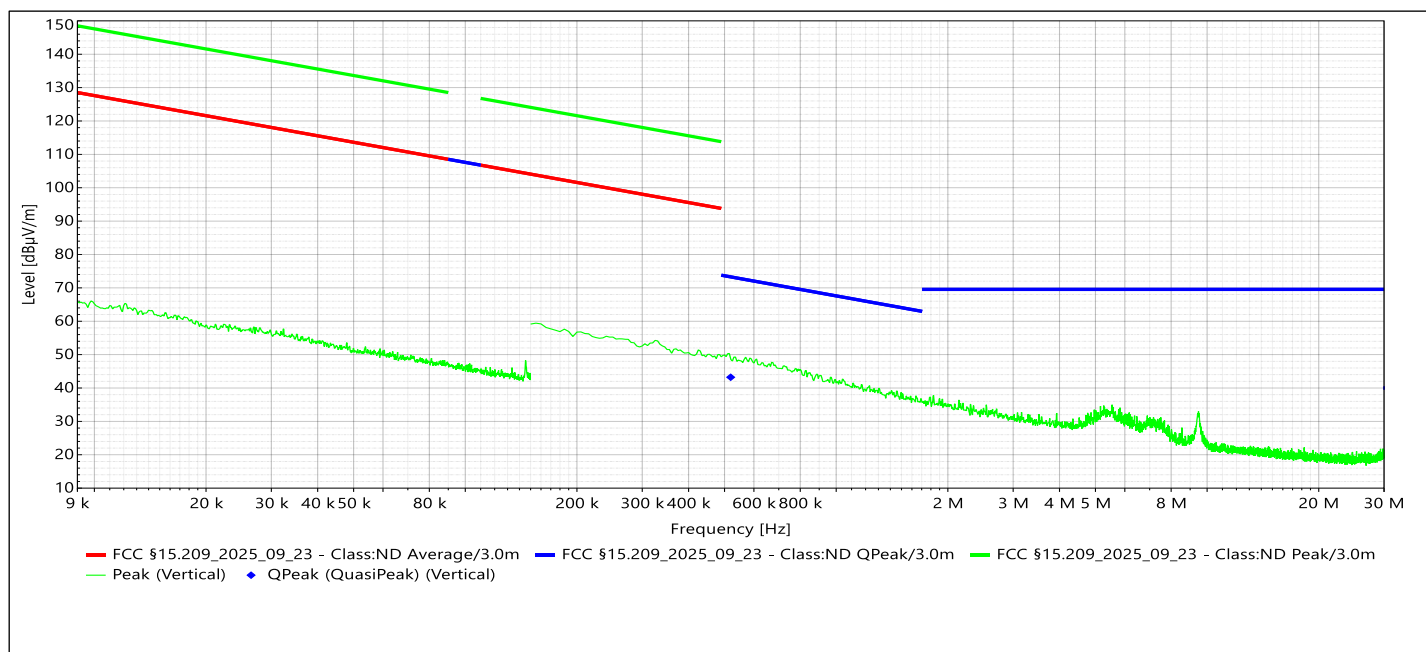


Figure 2.7.7-71 – Radiated Emissions Test Results

**Table 2.7.7-39– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.519	43.22	73.28	-30.06	355.00	1.00	Vertical	Pass

Test Notes: 500 kbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 30M-1GHz - TX ON _500 kbps_2402MHz_X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	120 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	120 kHz	19401 Pts	Auto

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/3/2025	24.1 C	11 %	993 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

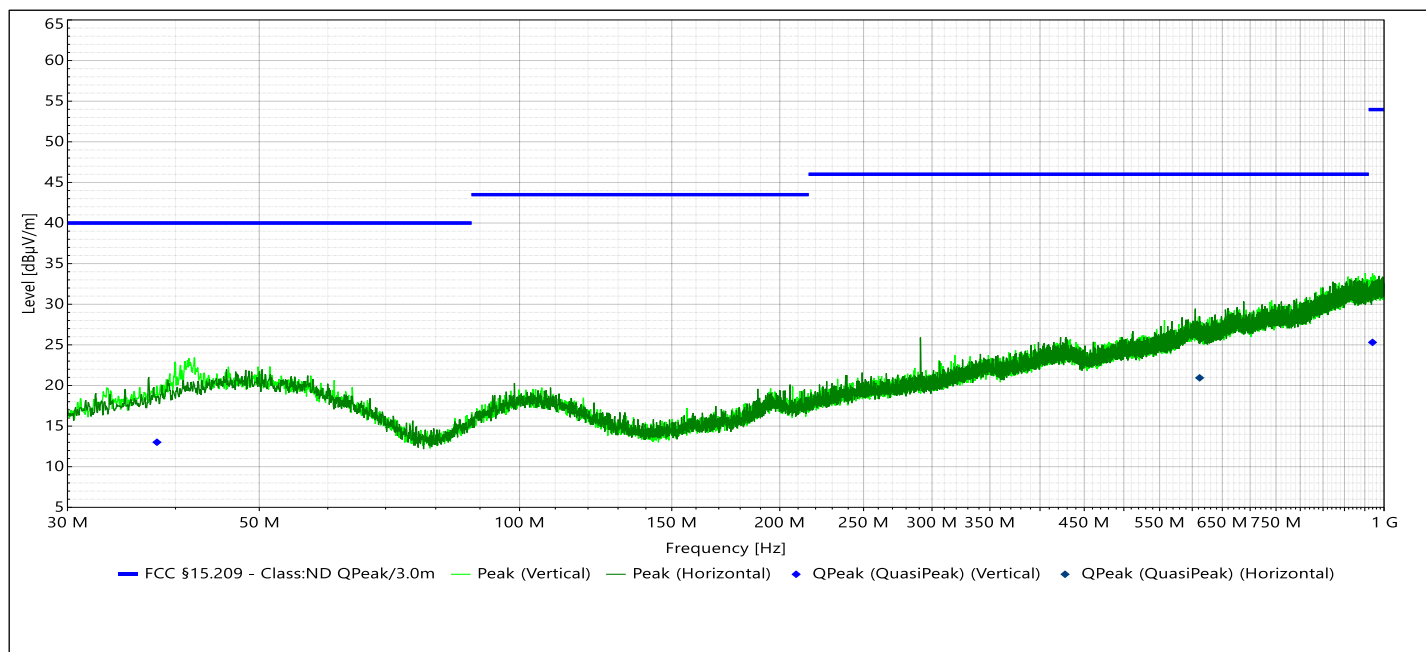


Figure 2.7.7-72 – Radiated Emissions Test Results

**Table 2.7.7-40– Radiated Emissions Test Results**

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
38.073	13.01	40.00	-26.99	115.00	1.75	Vertical	Pass
969.721	25.31	53.97	-28.66	259.00	3.96	Vertical	Pass
611.897	20.94	46.00	-25.06	196.00	1.35	Horizontal	Pass

Test Notes: 500 kbps - TX Power Setting = 0 dBm, Power Leads



Spurious Emissions 1-18GHz - TX ON_500 kbps_ 2402 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz - 18 GHz	3m	Vertical	1 MHz	34001 Pts	200 ms
1 GHz - 18 GHz	3m	Horizontal	1 MHz	34001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	11/21/2025	24.9 C	27%	983 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

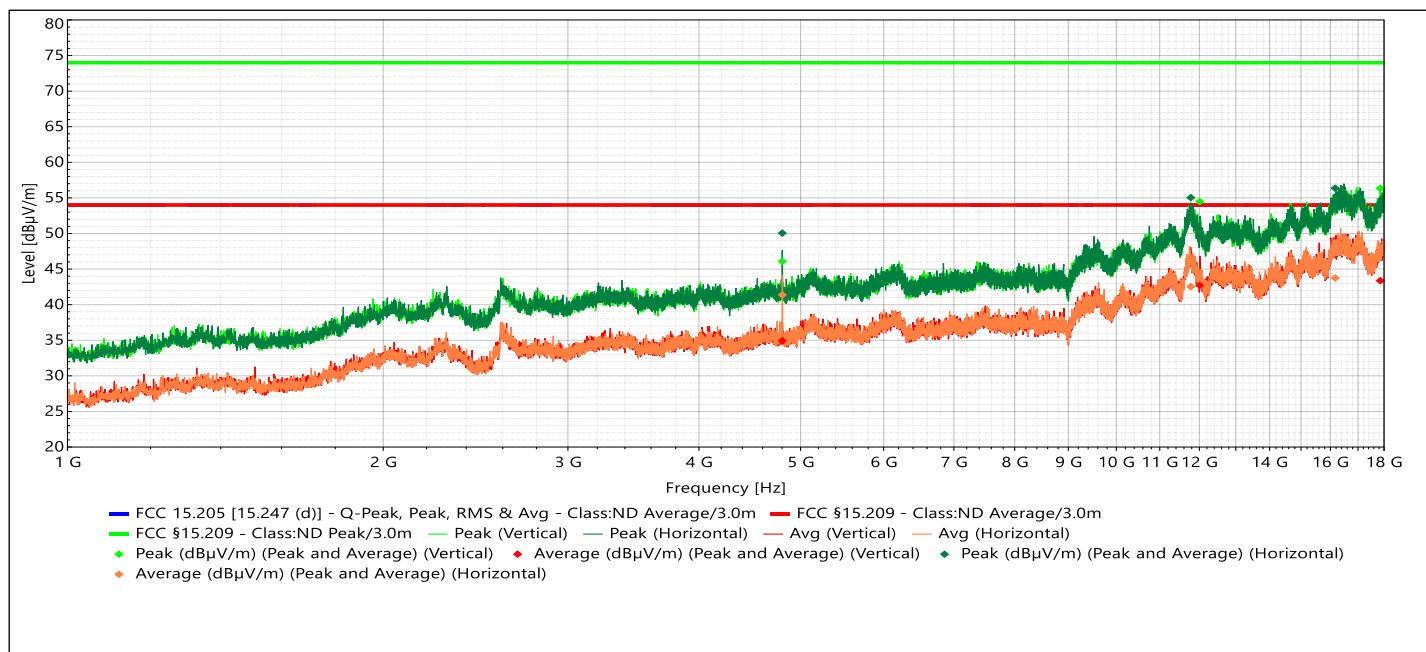


Figure 2.7.7-73 – Radiated Emissions Test Results

**Table 2.7.7-41– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
4803.464	46.09	74.00	-27.91	34.93	54.00	-19.07	135.00	2.37	Vertical	Pass
12008.816	54.49	74.00	-19.51	42.71	54.00	-11.29	360.00	1.11	Vertical	Pass
17852.003	56.34	74.00	-17.66	43.37	54.00	-10.63	337.00	1.66	Vertical	Pass
4803.465	50.05	74.00	-23.95	41.37	54.00	-12.63	225.00	1.05	Horizontal	Pass
11775.662	55.04	74.00	-18.96	42.53	54.00	-11.47	337.00	2.58	Horizontal	Pass
16167.334	56.36	74.00	-17.64	43.75	54.00	-10.25	64.00	1.00	Horizontal	Pass

Test Notes: 500 kbps- TX Power Setting = 0 dBm



Spurious Emissions 18-26GHz - TX ON_500 kbps_ 2402 MHz_ X-axis

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	32001 Pts	200 ms
18 GHz - 26 GHz	3m	Horizontal	1 MHz	32001 Pts	200 ms

Test Area	Tested By	Test Date	Temperature	Humidity	Pressure
3mSAC	Thierry Jean-Charles	12/2/2025	23.1 C	13%	974 mBar

Technology	Frequency	Channel	Mode	EUT Orientation
BLE	2402 MHz	0	TX	X-axis

Limit:
FCC Part 15/FCC §15.209

Test Results:
Pass

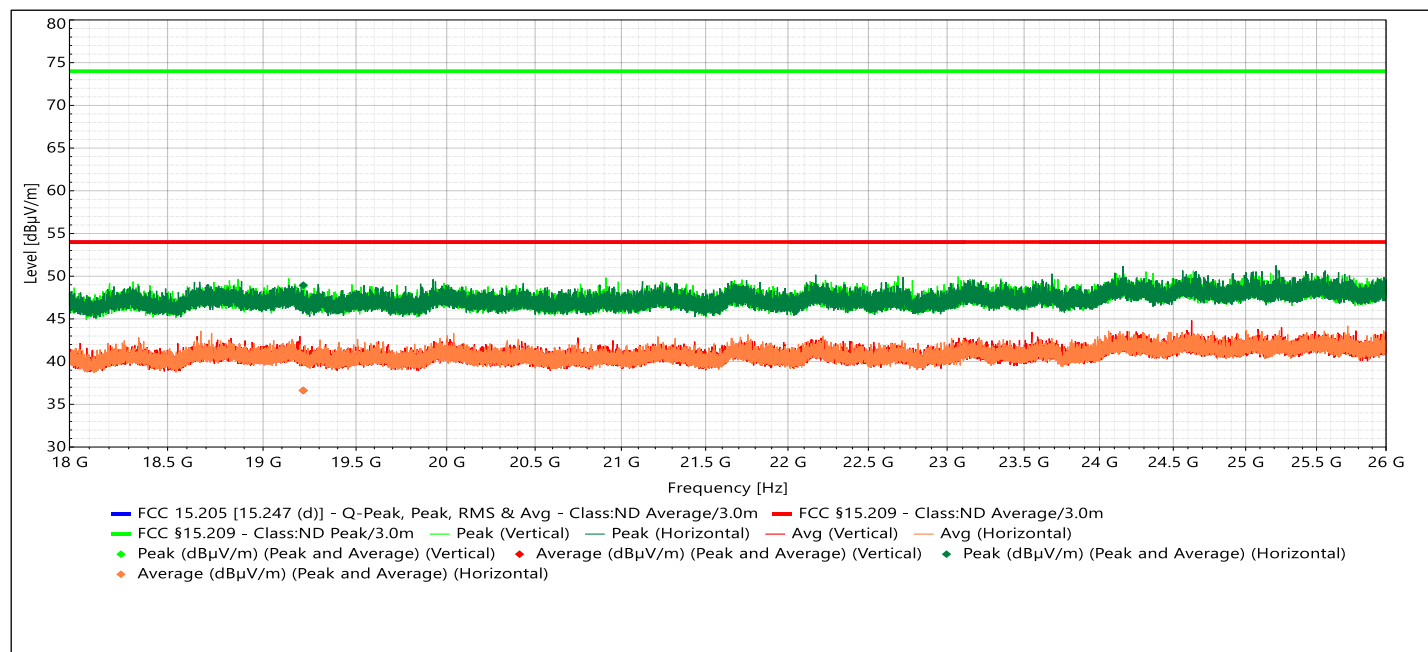


Figure 2.7.7-74 – Radiated Emissions Test Results

**Table 2.7.7-42– Radiated Emissions Test Results**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19214.504	48.85	74.00	-25.15	36.62	54.00	-17.38	313.00	2.16	Vertical	Pass
19214.848	48.95	74.00	-25.05	36.63	54.00	-17.37	0.00	1.89	Horizontal	Pass

Test Notes: 500 kbps- TX Power Setting = 0 dBm, Power Leads