



2.10 Radiated Spurious Emissions into Restricted Frequency Bands

2.10.1 Specification Reference

FCC Sections: 15.205, 15.209;
ISED Canada: RSS-GEN 8.9, 8.10

2.10.2 Equipment Under Test and Modification State

S/N: 53450010005272

2.10.3 Date of Test

5/5/2026 to 5/7/2026

2.10.4 Test Method

Radiated emissions tests were made over the frequency range of 9 kHz to 18 GHz, at least 10 times the highest fundamental frequency. Each emission found to be in a restricted band as defined by section 15.205, including any emission at the operational band-edge, was compared to the radiated emission limits as defined in Section 15.209.

For measurements below 30 MHz, the receive antenna height was set to 1 m and the EUT was rotated through 360 degrees. The resolution bandwidth was set to 200 Hz below 150 kHz and to 9 kHz above 150 kHz.

The EUT was rotated through 360° and the receive antenna height was varied from 1m to 4m so that the maximum radiated emissions level would be detected. For frequencies below 1000 MHz, quasi-peak measurements were made using a resolution bandwidth RBW of 120 kHz and a video bandwidth VBW of 300 kHz. For frequencies above 1000 MHz, peak measurements are made with RBW of 1 MHz and VBW of 3 MHz. Average measurements are performed using an RMS detector.

2.10.5 Duty Cycle Correction

The EUT was configured to transmit at 100% duty cycle during the evaluation corresponding to a Duty Cycle Correction Factor of $20 \cdot \log(100/100) = 0$ dB. No duty cycle correction factor was applied to the average measurements for the corrected average results.

2.10.6 Environmental Conditions

Ambient Temperature	22.9-24.3°C
Relative Humidity	12-15%
Atmospheric Pressure	981-985mbar



2.10.7 Test Results

120VAC/60Hz AC Mains Powered Operating

Limit Clause FCC Sections 15.205, 15.209, ISED Canada: RSS-GEN 8.9, 8.10

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.4090-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

** Except as provided in paragraph (g) of FCC Part 15.209, fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

Test Summary:

1. The Radio was configured to be transmitted at Max TX Power.
2. The Radiated Emissions within the restricted bands meet the quasi peak, peak and average emission limits requirements, as applicable.

Test Result: Pass

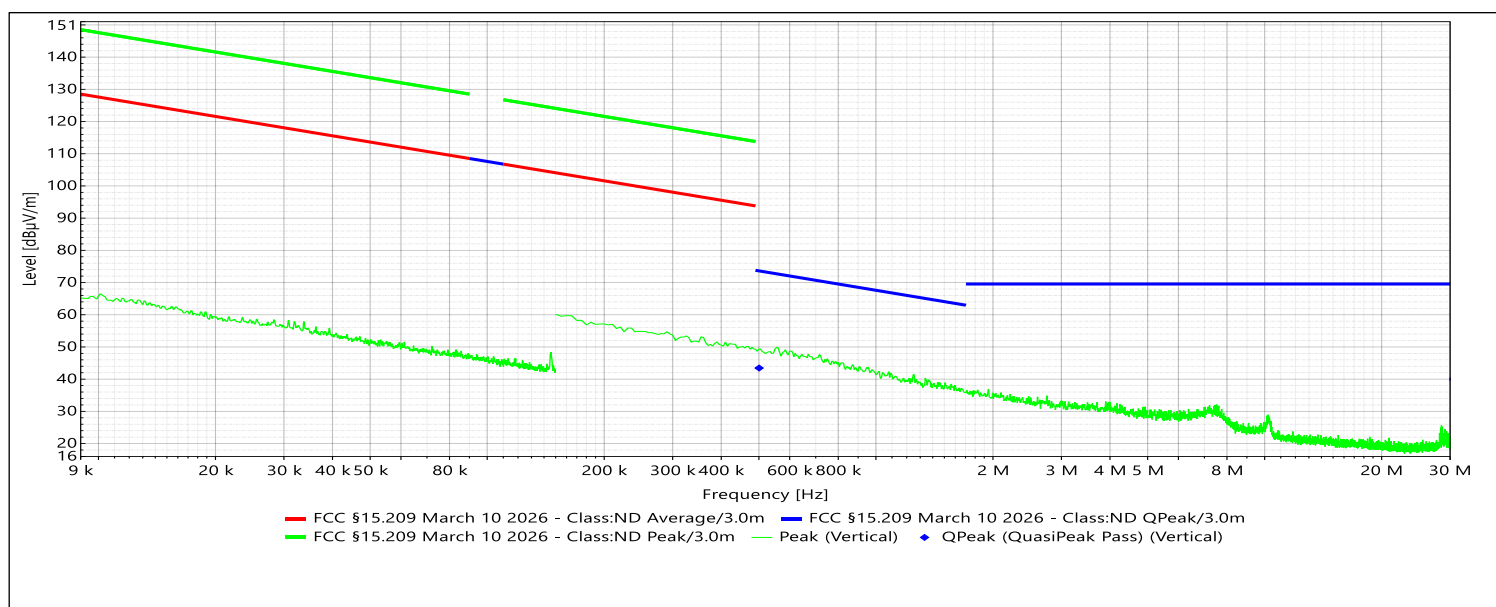


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 49, 926.39401 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	23.6°C	16%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10-7-1 – Graphical Results 9 kHz to 30 MHz

Table 2.10-1 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.501	43.45	73.62	-30.17	284.00	1.00	Vertical	Pass

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141 14th Street NW
New Brighton, MN 55112

Phone: 651-631-2487
www.tuv-sud-america.com

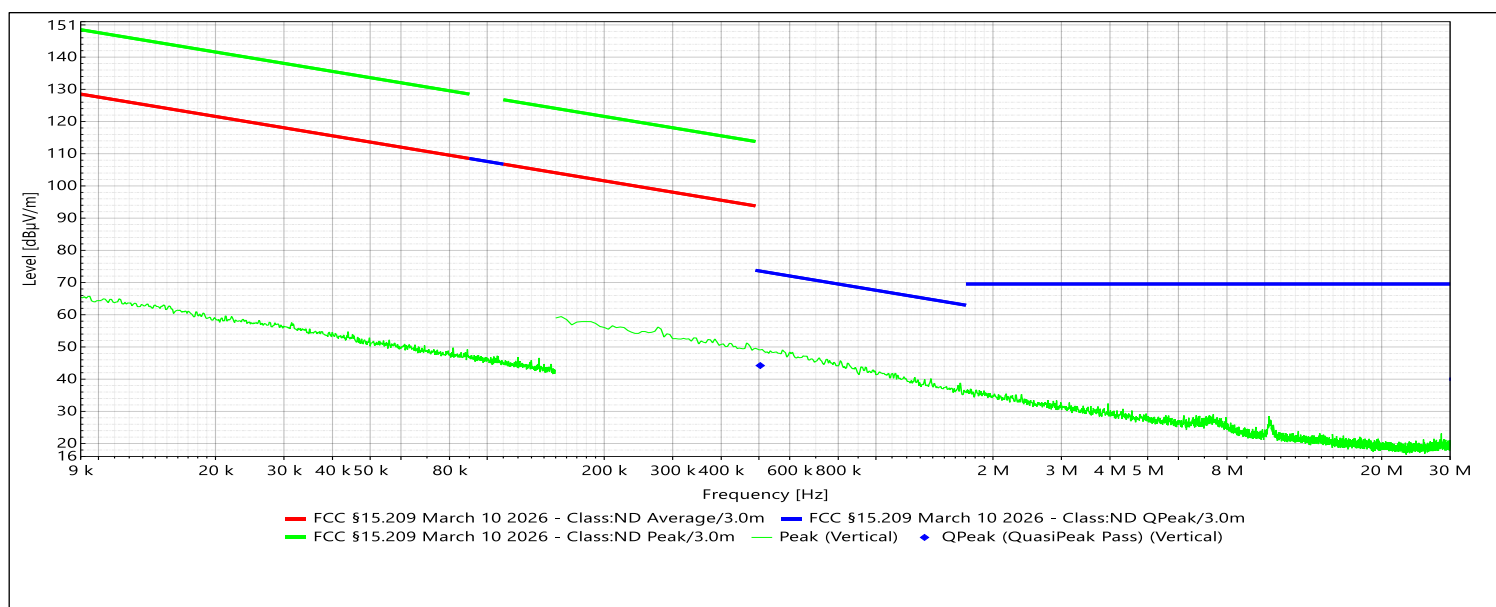


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 49, 926.39401 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	23.6°C	16%	981 mBar	Thierry Jean-Charles



Limit:	EUT Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-2 – Graphical Results 9 kHz to 30 MHz

Table 2.10-2 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.504	44.22	73.54	-29.32	320.00	1.00	Vertical	Pass

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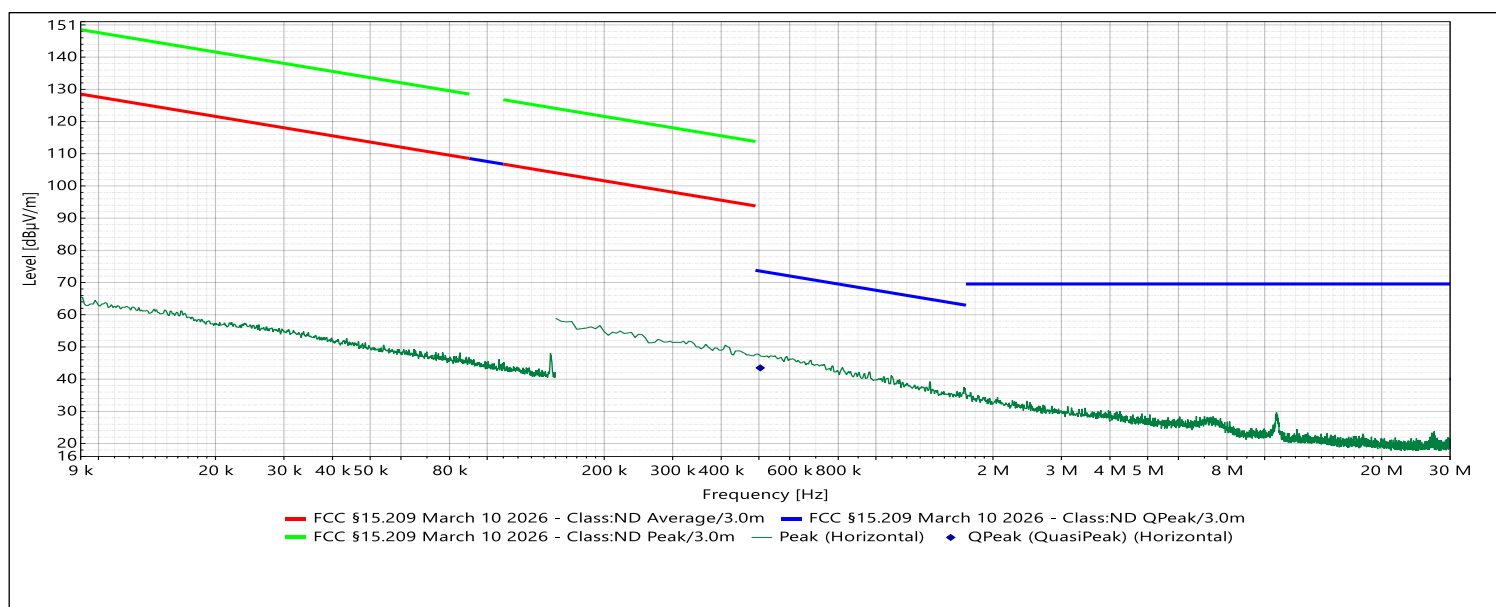


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 49, 926.39401 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	23.6°C	16%	981 mBar	Thierry Jean-Charles



Limit: FCC Part 15/FCC §15.209 March 10 2026
 Orientation: Y-Axis
 Test Date: 5/7/2026
 Test Results: Pass

Figure 2.10.7-3 – Graphical Results 9 kHz to 30 MHz

Table 2.10-3 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.504	43.50	73.54	-30.04	34.00	1.00	Horizontal	Pass

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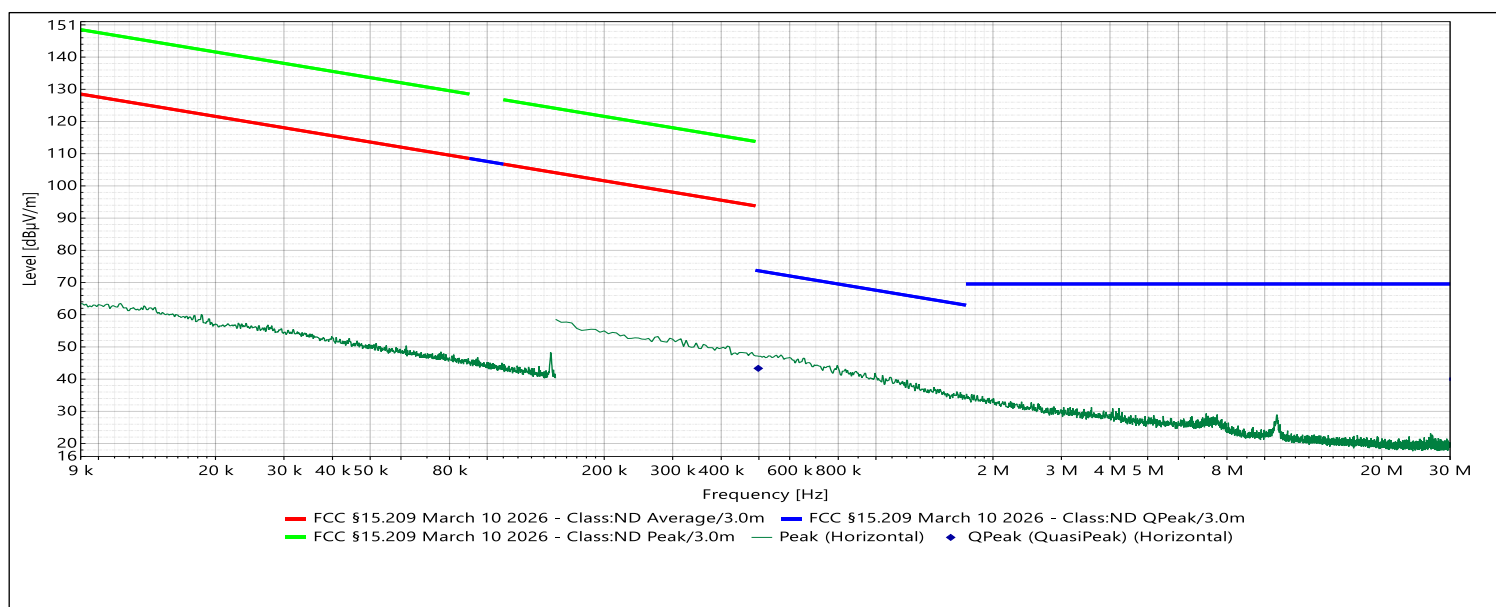


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 25, 914.59689 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-4 – Graphical Results 9 kHz to 30 MHz

Table 2.10-4 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.498	43.34	73.62	-30.28	263.00	1.00	Horizontal	Pass

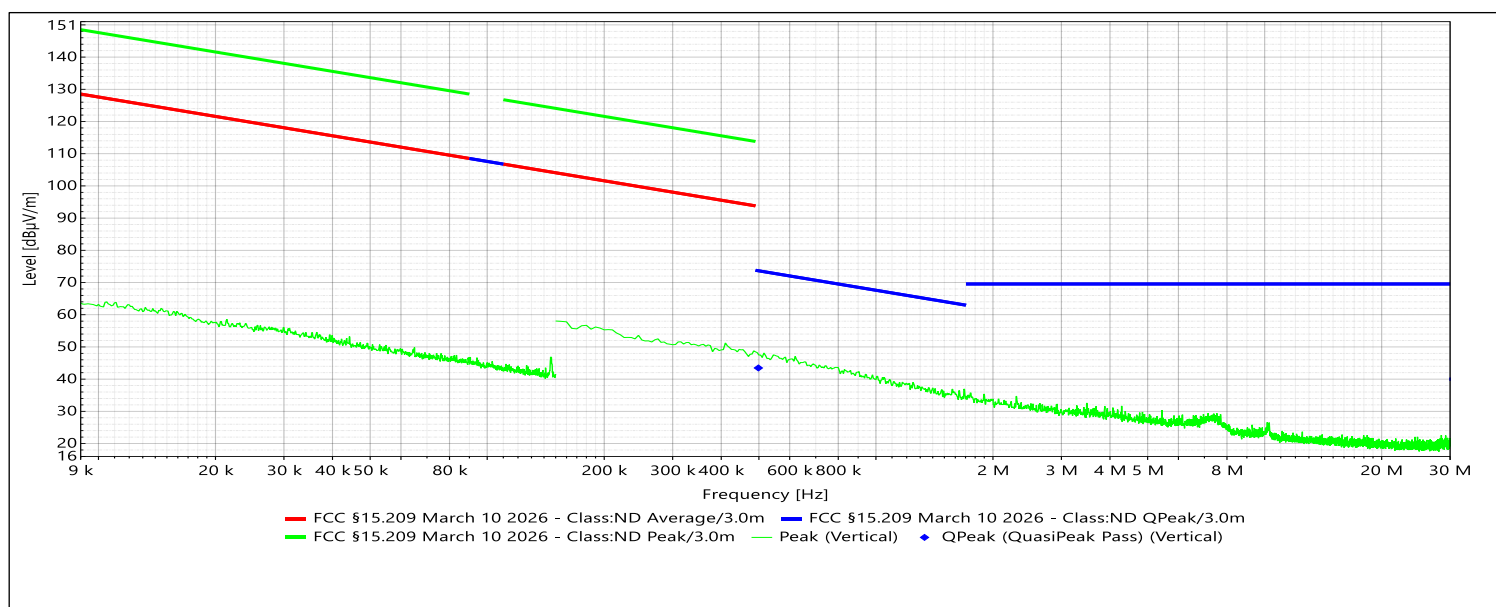


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 25, 914.59689 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-5 – Graphical Results 9 kHz to 30 MHz

Table 2.10-5 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.498	43.47	73.62	-30.16	148.00	1.00	Vertical	Pass

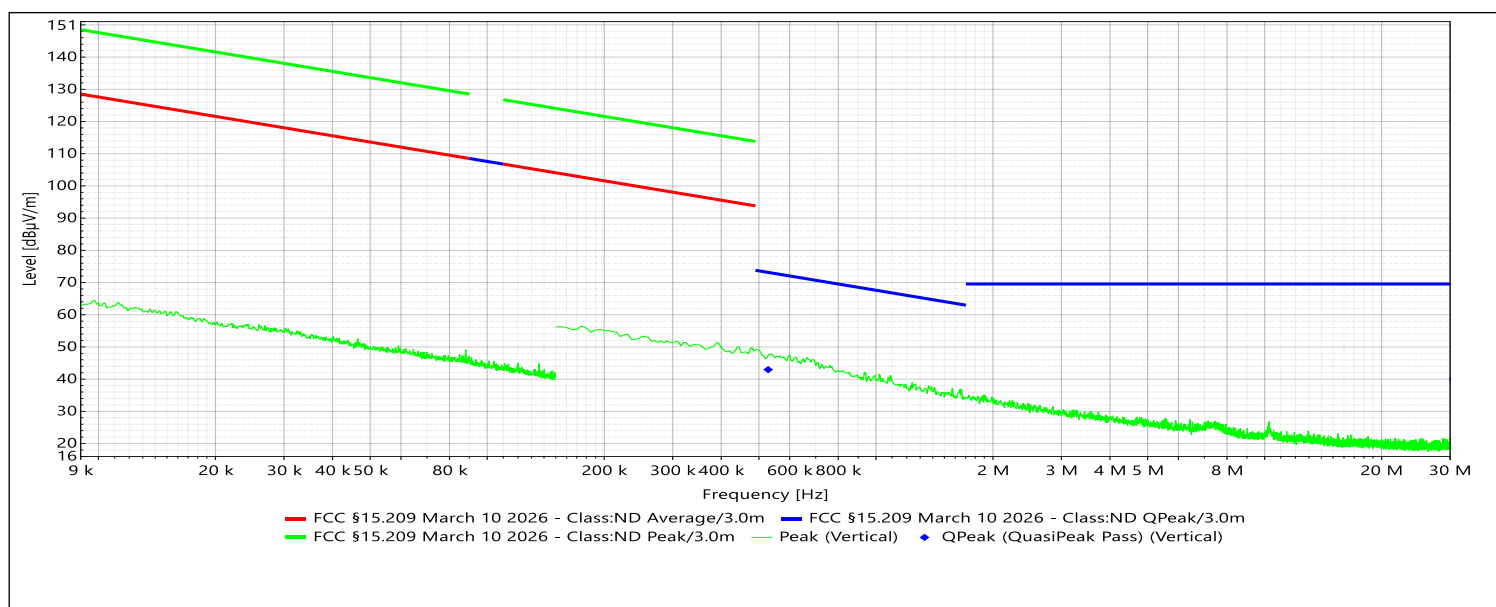


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 25, 914.59689 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-6 – Graphical Results 9 kHz to 30 MHz

Table 2.10-6 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.528	42.95	73.12	-30.16	184.00	1.00	Vertical	Pass

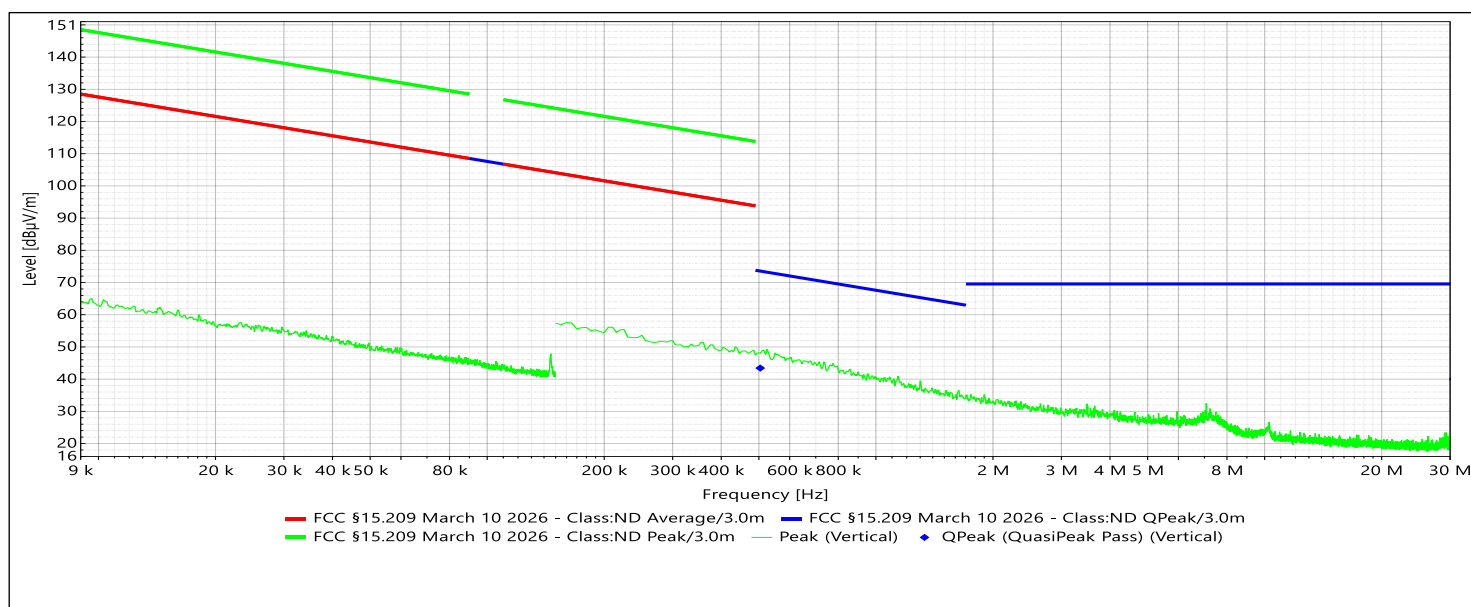


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 0, 902.99973 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit: FCC Part 15/FCC §15.209 March 10 2026
Orientation: Y-Axis
Test Date: 5/7/2026
Test Results: Pass

Figure 2.10.7-7 – Graphical Results 9 kHz to 30 MHz

Table 2.10-7 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.504	43.43	73.54	-30.11	220.00	1.00	Vertical	Pass

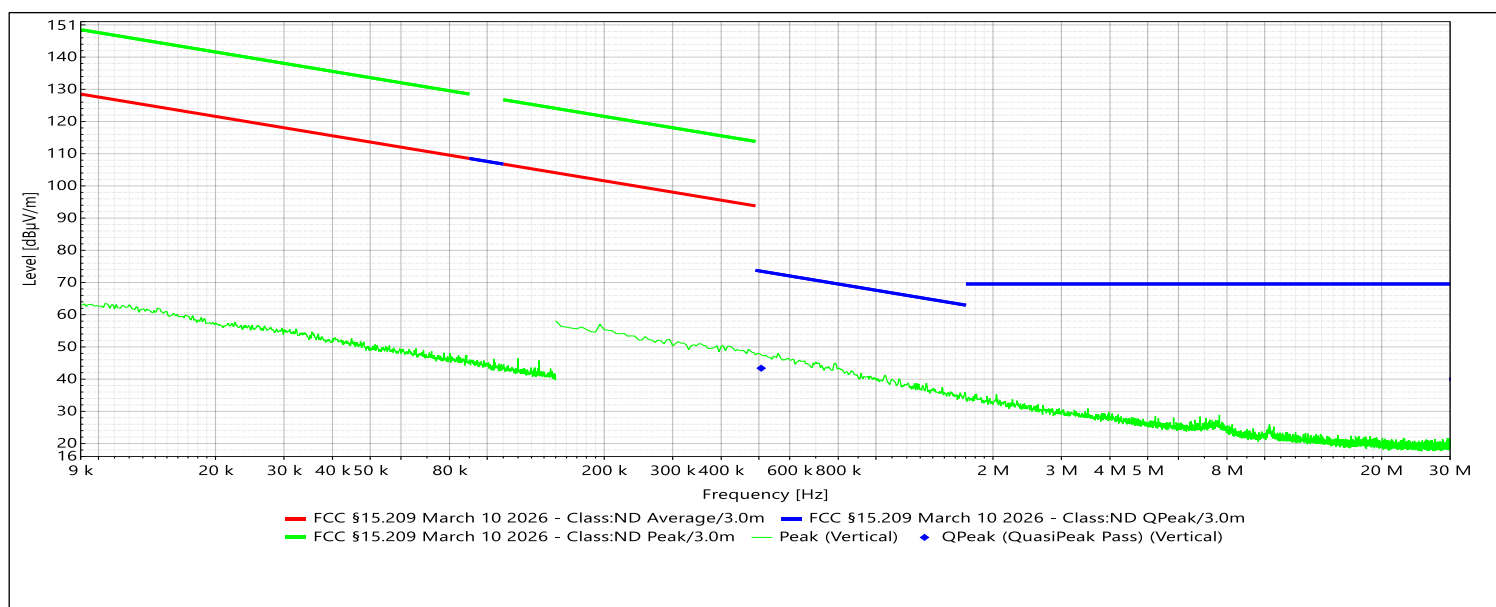


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 0, 902.99973 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-8 – Graphical Results 9 kHz to 30 MHz

Table 2.10-8 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.507	43.39	73.54	-30.15	277.00	1.00	Vertical	Pass

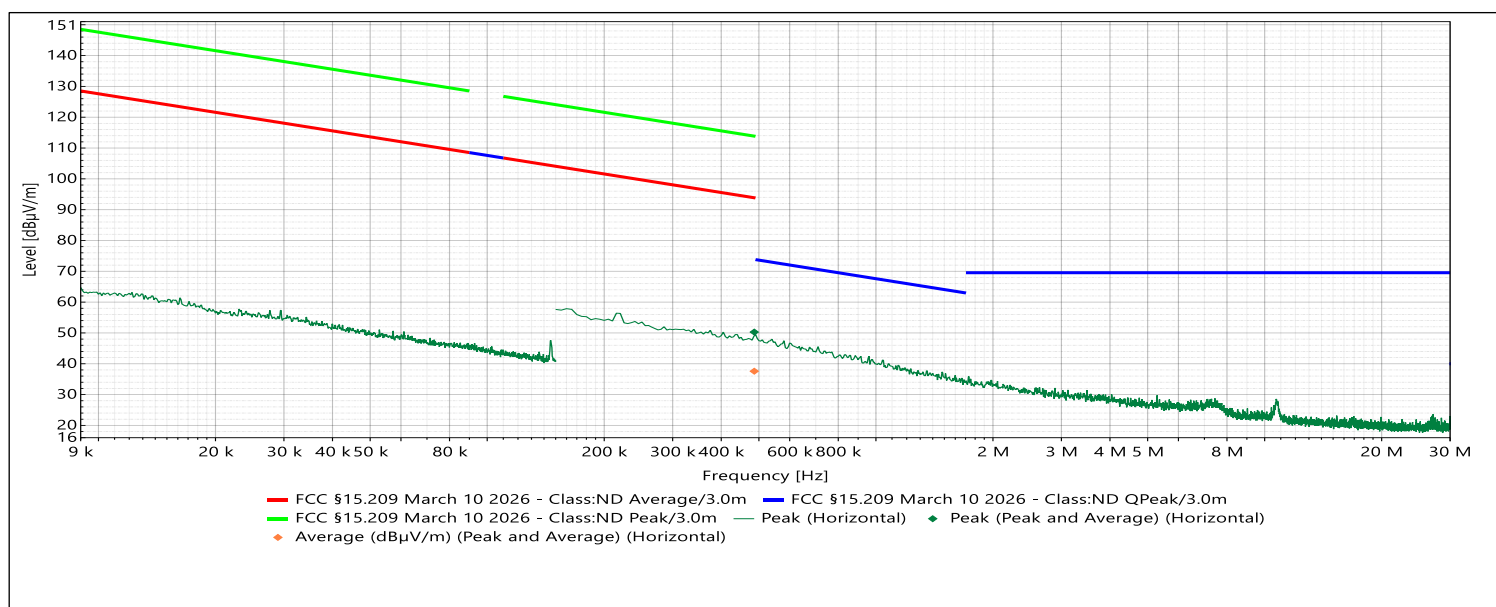


Spurious Emissions 9kHz-30MHz

Top PCB Antenna – Channel 0, 902.99973 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit: FCC Part 15/FCC §15.209 March 10 2026 **Orientation:** Y-Axis **Test Date:** 5/7/2026 **Test Results:** Pass

Figure 2.10.7-9 – Graphical Results 9 kHz to 30 MHz

Table 2.10-9 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Peak Margin (dB)	Average Level (dBµV/m)	Average Limit (dBµV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.486	50.28	113.89	-63.61	37.58	93.89	-56.31	327.00	1.00	Horizontal	Pass

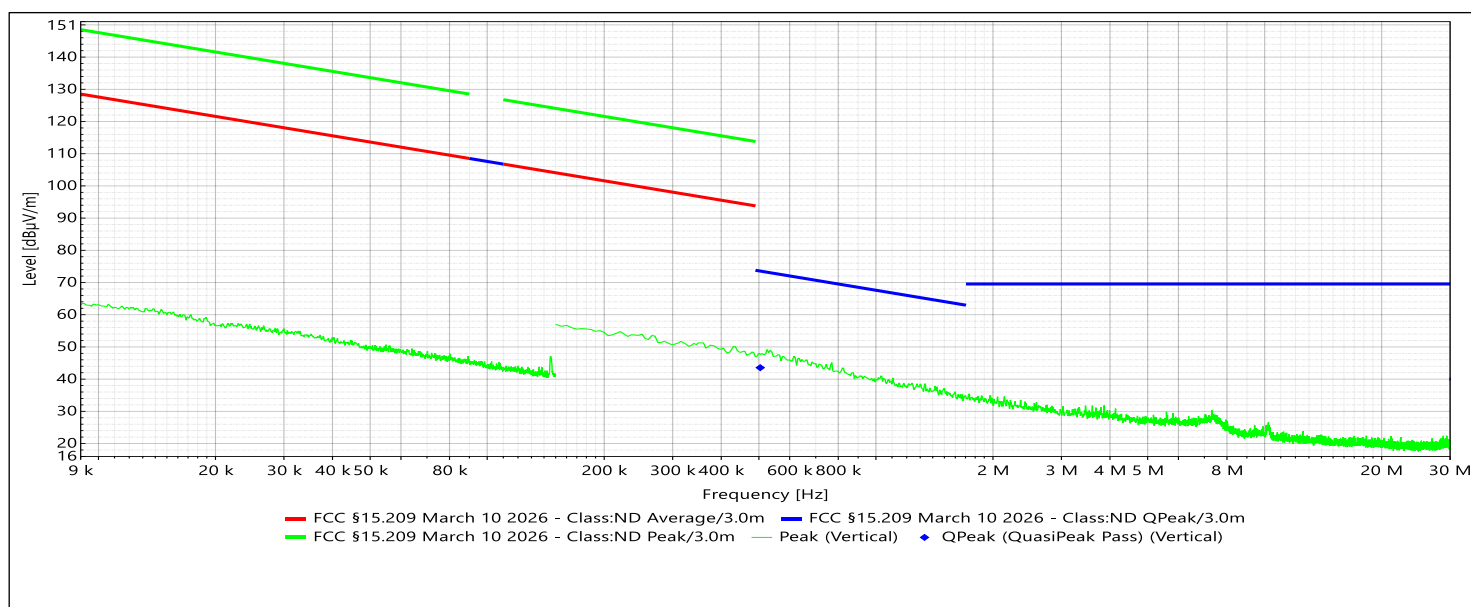


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 0, 902.99973 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-10 – Graphical Results 9 kHz to 30 MHz

Table 2.10-10 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.504	43.56	73.54	-29.98	0.00	1.00	Vertical	Pass

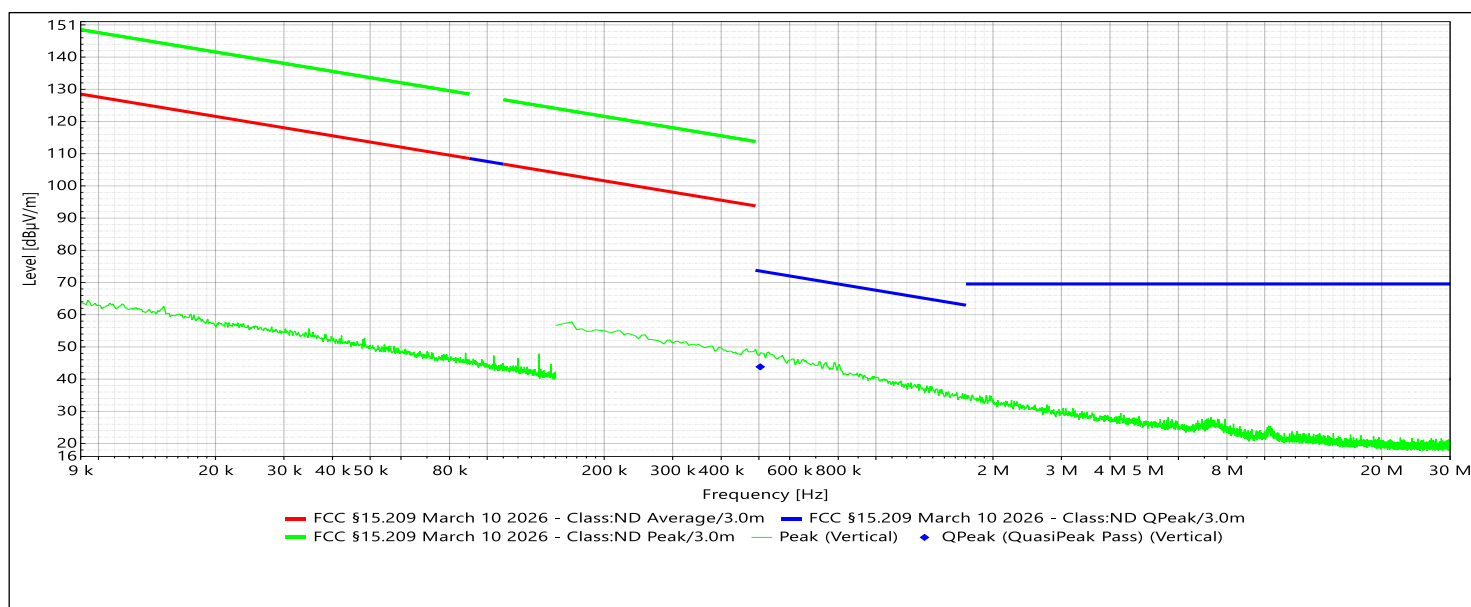


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 0, 902.99973 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit: FCC Part 15/FCC §15.209 March 10 2026 **Orientation:** Y-Axis **Test Date:** 5/7/2026 **Test Results:** Pass

Figure 2.10.7-11 – Graphical Results 9 kHz to 30 MHz

Table 2.10-11 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.504	43.82	73.54	-29.72	20.00	1.00	Vertical	Pass

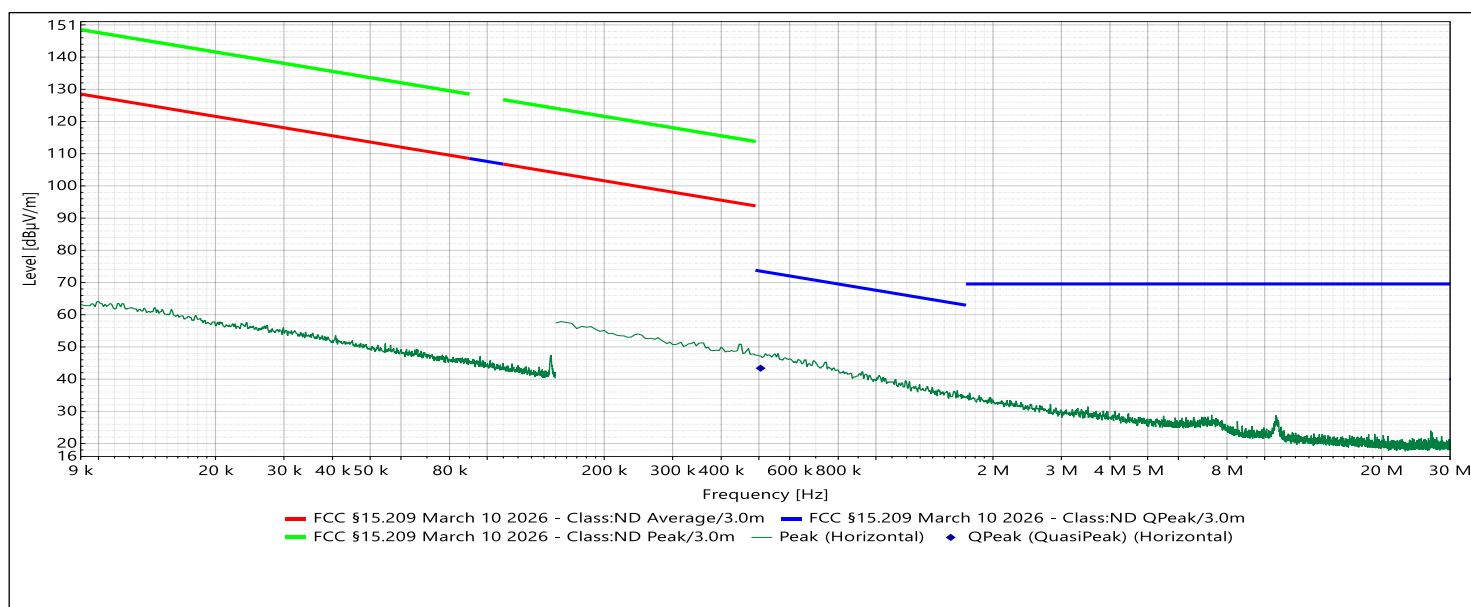


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 0, 902.99973 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit: FCC Part 15/FCC §15.209 March 10 2026
Orientation: Y-Axis
Test Date: 5/7/2026
Test Results: Pass

Figure 2.10.7-12 – Graphical Results 9 kHz to 30 MHz

Table 2.10-12 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.505	43.38	73.54	-30.15	20.00	1.00	Horizontal	Pass

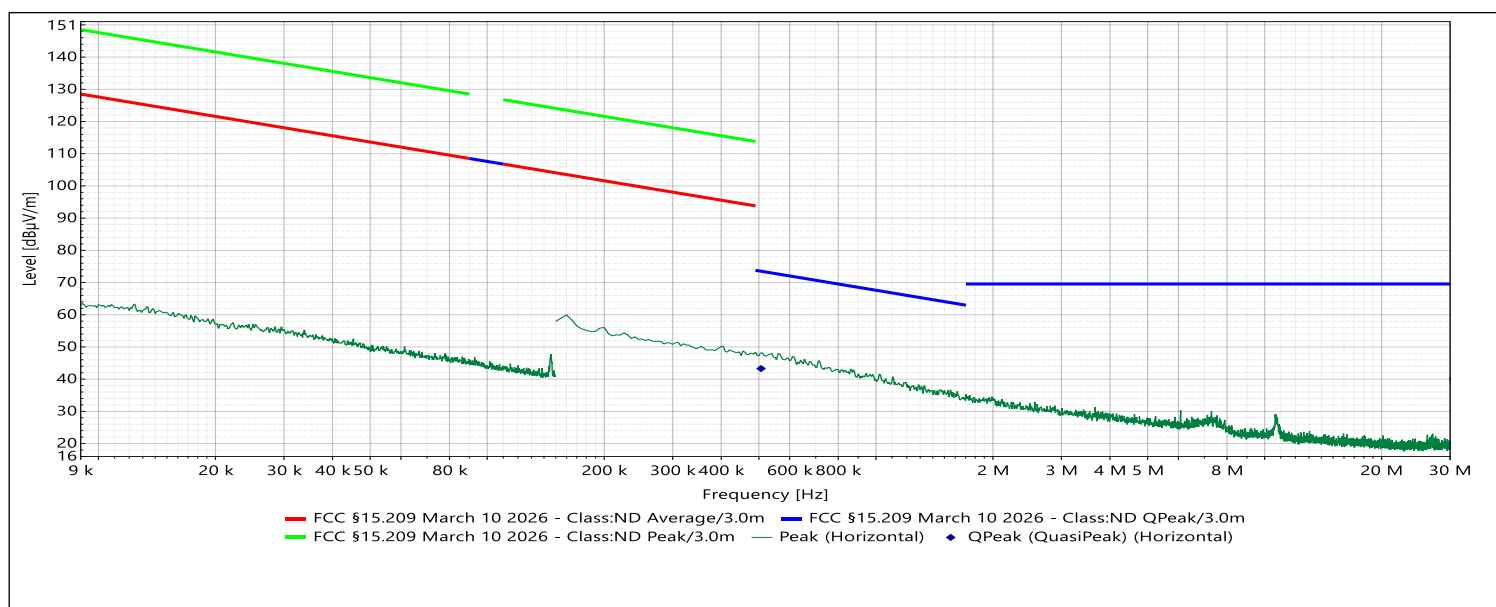


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 25, 914.59689 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit: FCC Part 15/FCC §15.209 March 10 2026 **Orientation:** Y-Axis **Test Date:** 5/7/2026 **Test Results:** Pass

Figure 2.10.7-13 – Graphical Results 9 kHz to 30 MHz

Table 2.10-13 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.506	43.28	73.54	-30.26	113.00	1.00	Horizontal	Pass

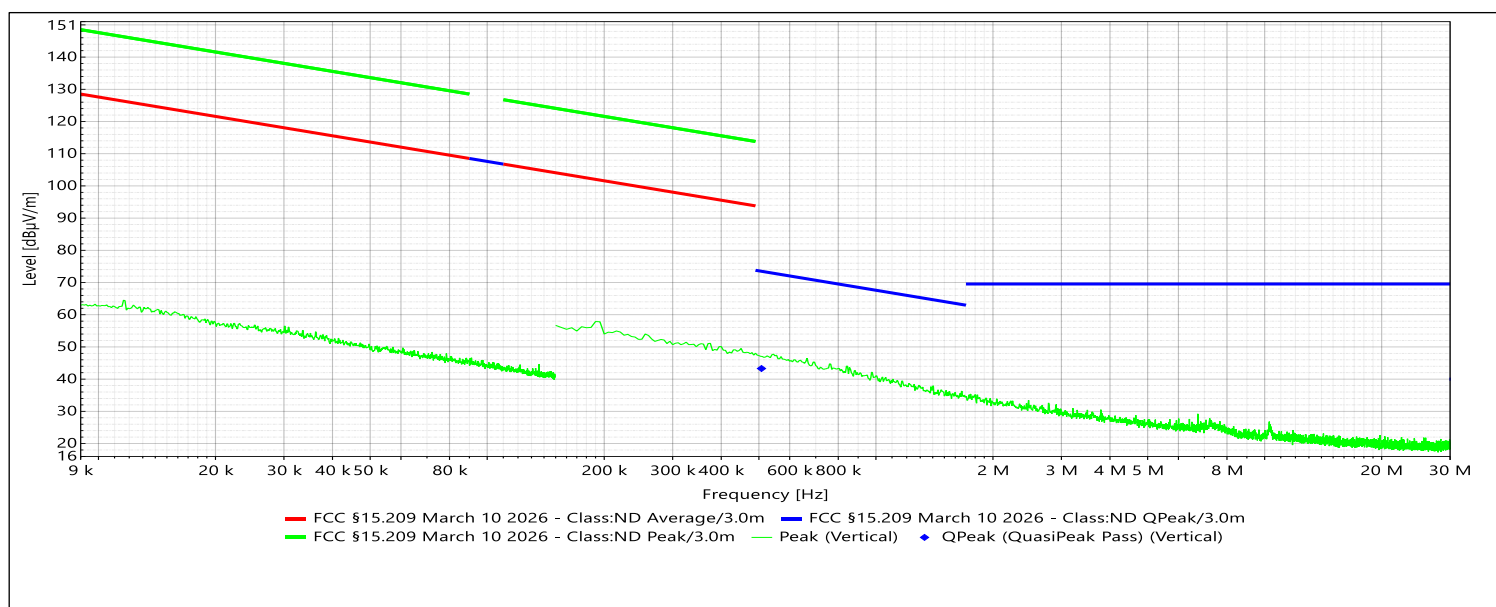


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 25, 914.59689 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-14 – Graphical Results 9 kHz to 30 MHz

Table 2.10-14 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.508	43.29	73.45	-30.16	270.00	1.00	Vertical	Pass

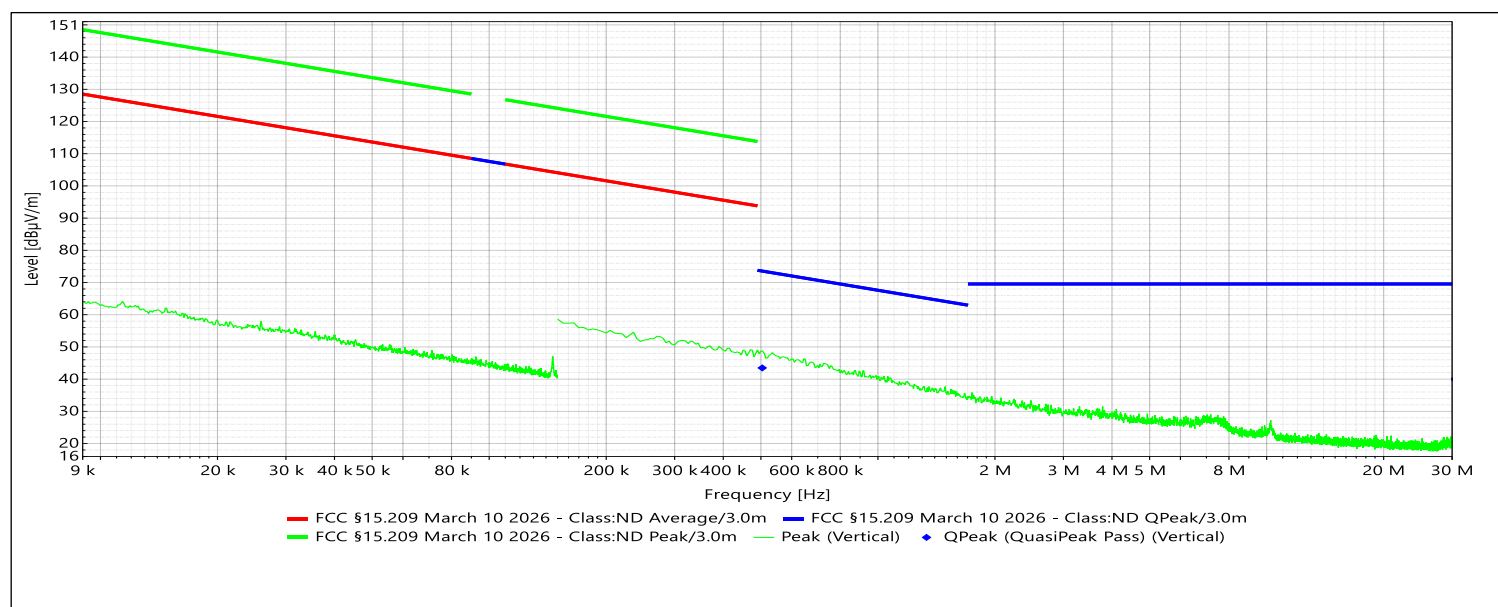


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 25, 914.59689 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	24.3°C	13%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-15 – Graphical Results 9 kHz to 30 MHz

Table 2.10-15 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.504	43.48	73.54	-30.06	206.00	1.00	Vertical	Pass

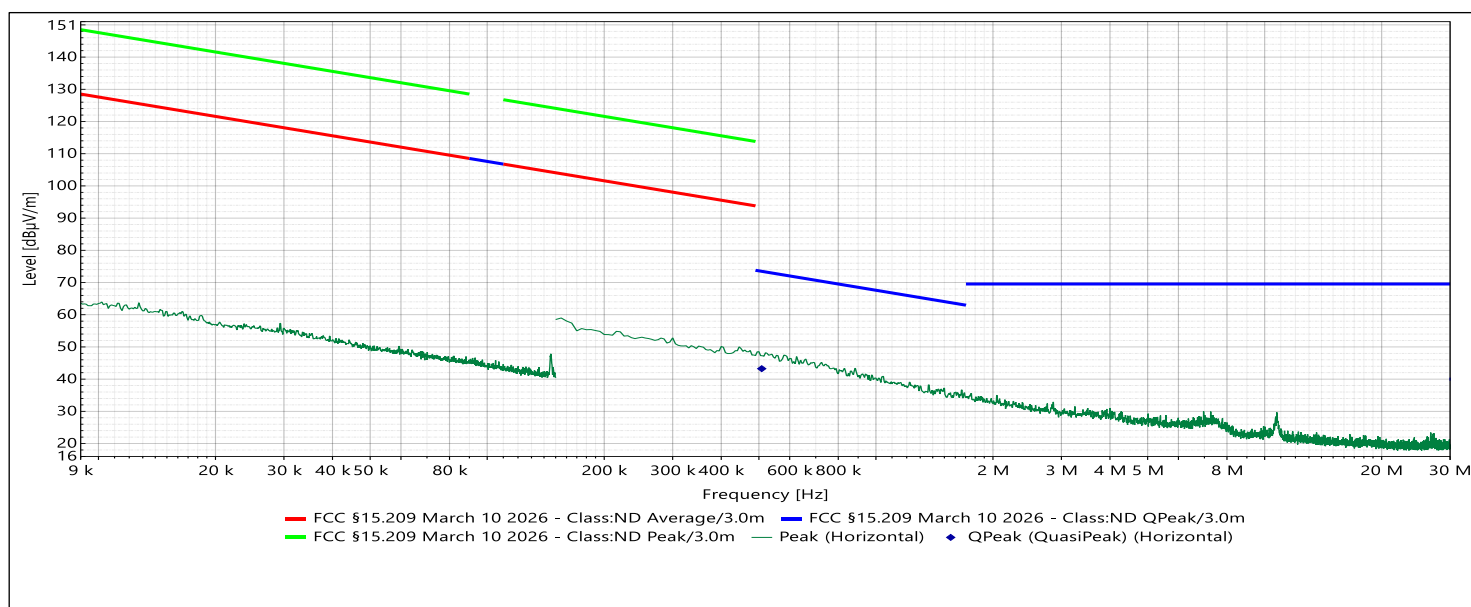


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 49, 926.39401 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	23.6°C	16%	981 mBar	Thierry Jean-Charles



Limit: FCC Part 15/FCC §15.209 March 10 2026 **Orientation:** Y-Axis **Test Date:** 5/7/2026 **Test Results:** Pass

Figure 2.10.7-16 – Graphical Results 9 kHz to 30 MHz

Table 2.10-16 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.508	43.25	73.45	-30.21	299.00	1.00	Horizontal	Pass

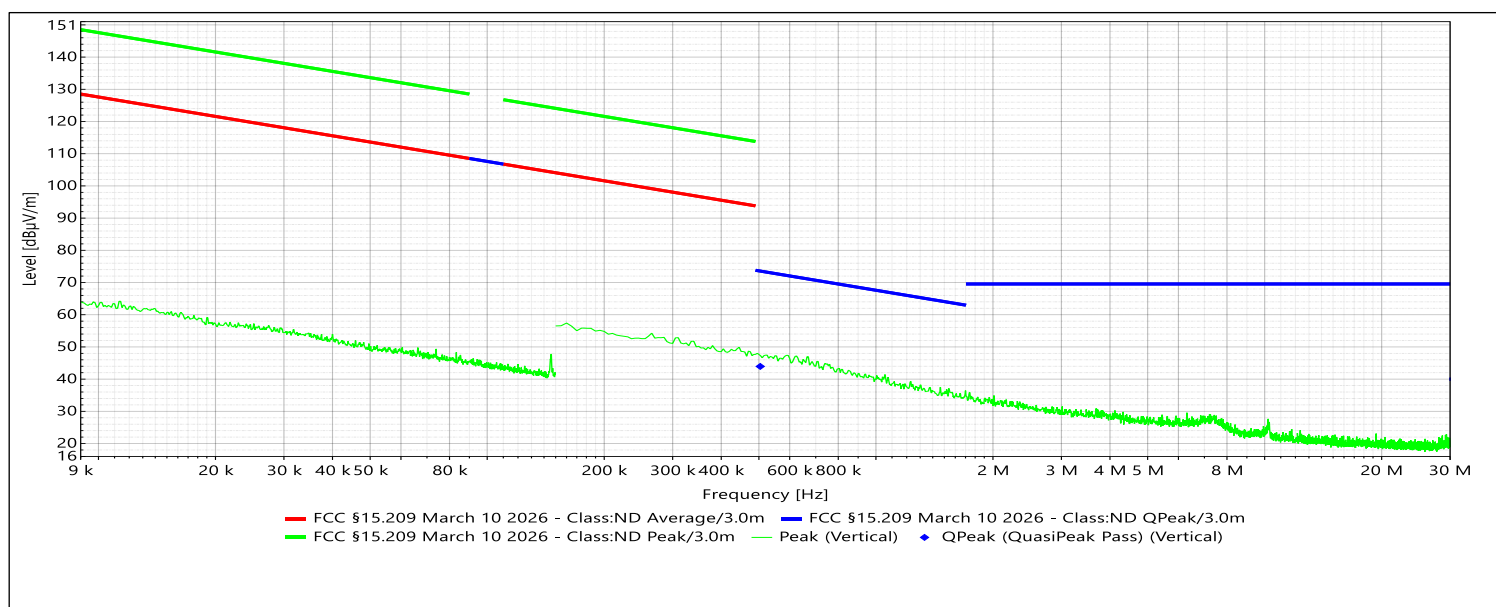


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 49, 926.39401 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	23.6°C	16%	981 mBar	Thierry Jean-Charles



Limit: FCC Part 15/FCC §15.209 March 10 2026
Orientation: Y-Axis
Test Date: 5/7/2026
Test Results: Pass

Figure 2.10.7-17 – Graphical Results 9 kHz to 30 MHz

Table 2.10-17 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.504	43.94	73.54	-29.60	199.00	1.00	Vertical	Pass

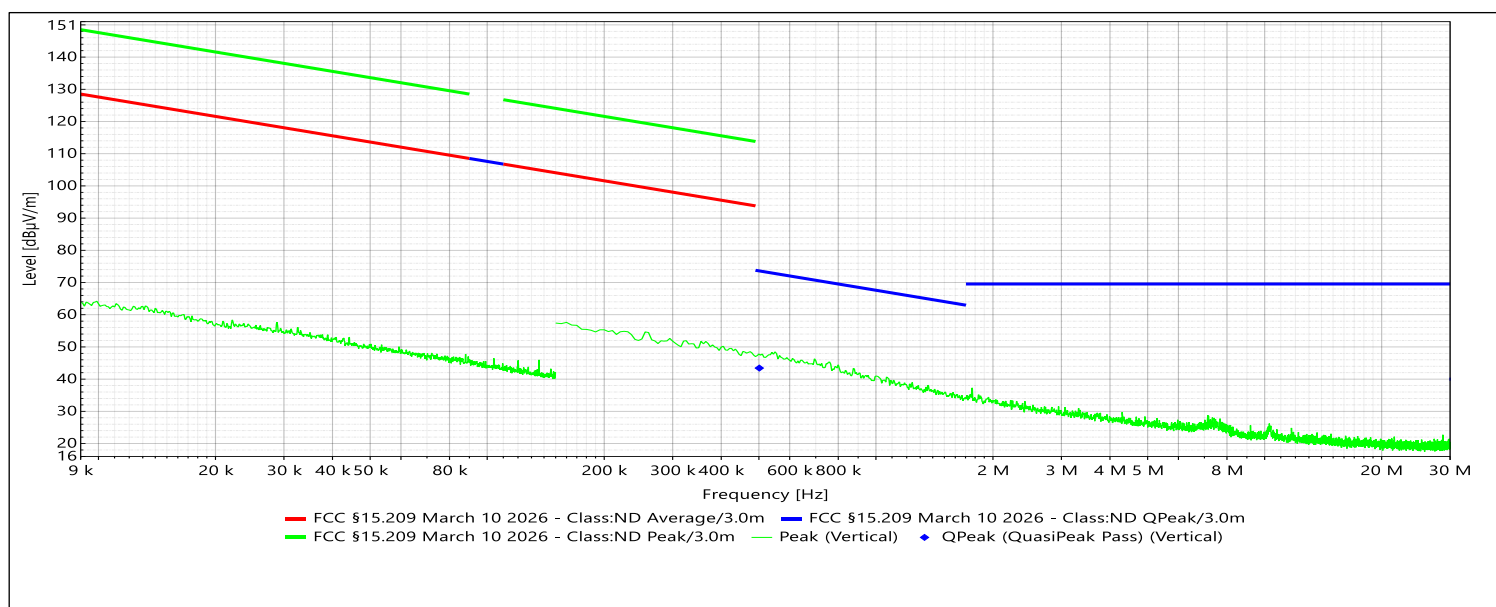


Spurious Emissions 9kHz-30MHz

Side PCB Antenna – Channel 49, 926.39401 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	23.6°C	16%	981 mBar	Thierry Jean-Charles



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC §15.209 March 10 2026	Y-Axis	5/7/2026	Pass

Figure 2.10.7-18 – Graphical Results 9 kHz to 30 MHz

Table 2.10-18 – Radiated Emissions Data – 9 kHz to 30 MHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
0.501	43.43	73.62	-30.19	177.00	1.00	Vertical	Pass

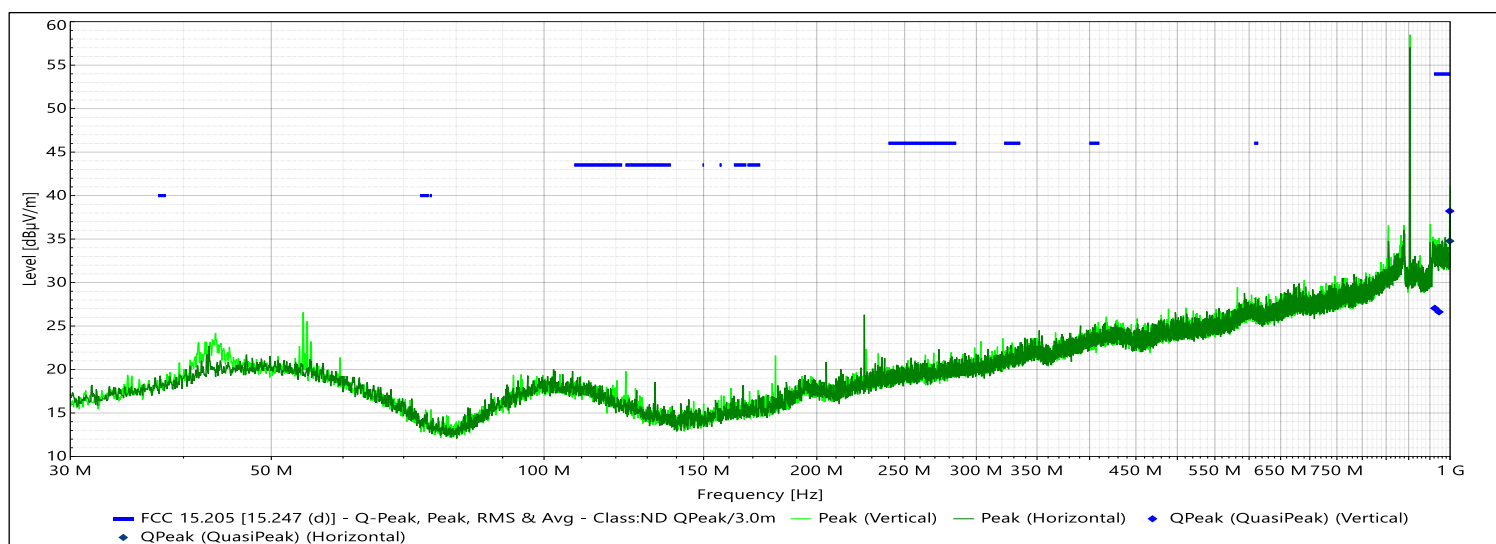


Spurious Emissions 30MHz – 1GHz

Top PCB Antenna – Channel 0, 902.99973 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	100 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	100 kHz	19401 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	24.4°C	15%	985 mBar	Duranta K. Barua



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC 15.205 [15.247 (d)] Q-Peak, Peak, RMS & Avg	Y-Axis	5/6/2026	Pass

Figure 2.10.7-19 – Graphical Results 30MHz – 1GHz

Table 2.10-19 – Radiated Emissions Data – 30MHz – 1GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
961.813	27.05	53.98	-26.93	79.00	2.94	Vertical	Pass
972.141	26.62	53.98	-27.36	62.00	3.94	Vertical	Pass
999.025	38.22	53.98	-15.76	243.00	1.00	Vertical	Pass
999.025	34.77	53.98	-19.21	0.00	1.00	Horizontal	Pass

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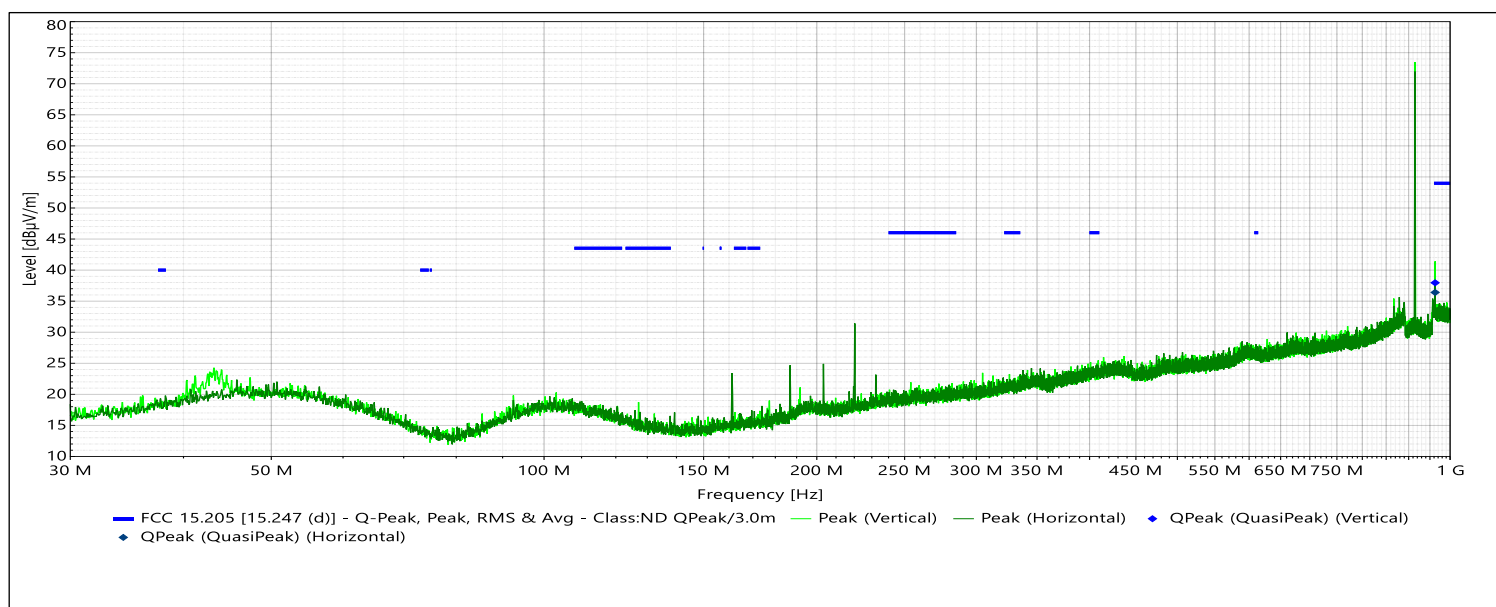


Spurious Emissions 30MHz – 1GHz

Top PCB Antenna – Channel 25, 914.59689 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	100 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	100 kHz	19401 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	24.4°C	15%	985 mBar	Duranta K. Barua



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC 15.205 [15.247 (d)] Q-Peak, Peak, RMS & Avg	Y-Axis	5/6/2026	Pass

Figure 2.10.7-20 – Graphical Results 30MHz – 1GHz

Table 2.10-20 – Radiated Emissions Data – 30MHz – 1GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
962.621	37.96	53.98	-16.02	243.00	1.00	Vertical	Pass
962.621	36.40	53.98	-17.58	347.00	1.52	Horizontal	Pass

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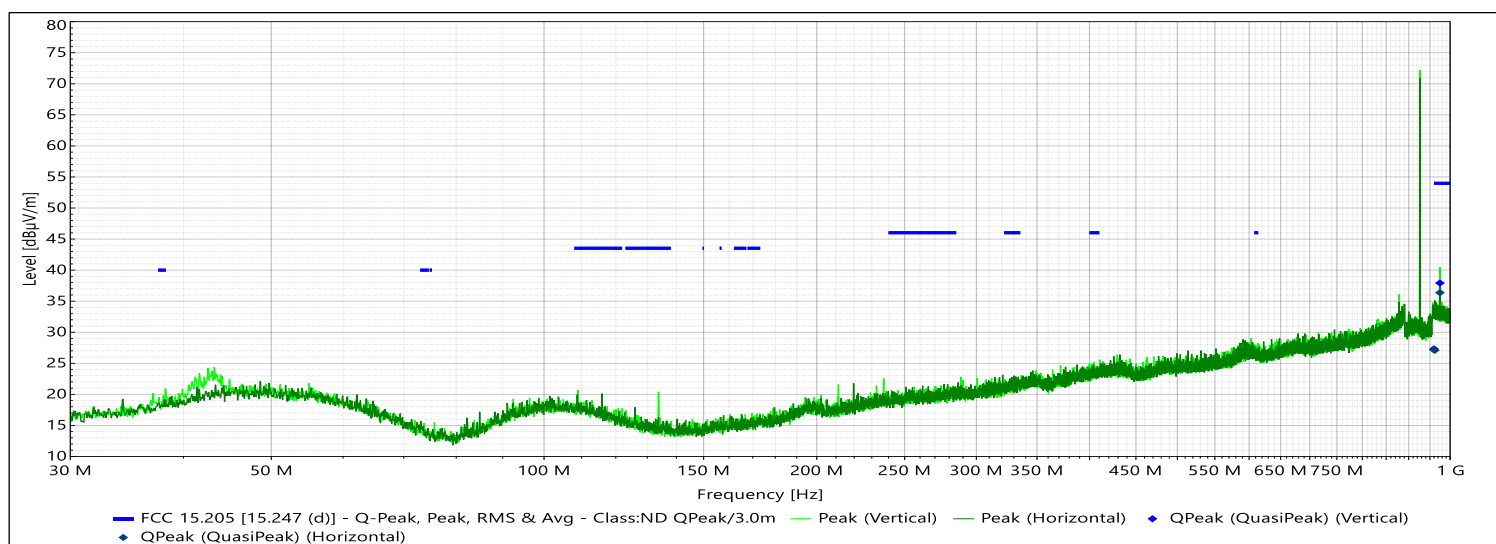


Spurious Emissions 30MHz – 1GHz

Top PCB Antenna – Channel 49, 926.39401 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	100 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	100 kHz	19401 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	24.4°C	15%	985 mBar	Duranta K. Barua



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC 15.205 [15.247 (d)] Q-Peak, Peak, RMS & Avg	Y-Axis	5/6/2026	Pass

Figure 2.10.7-21 – Graphical Results 30MHz – 1GHz

Table 2.10-21 – Radiated Emissions Data – 30MHz – 1GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
974.419	37.92	53.98	-16.05	243.00	1.00	Vertical	Pass
961.643	27.09	53.98	-26.89	360.00	1.00	Horizontal	Pass
974.419	36.38	53.98	-17.60	6.00	1.46	Horizontal	Pass

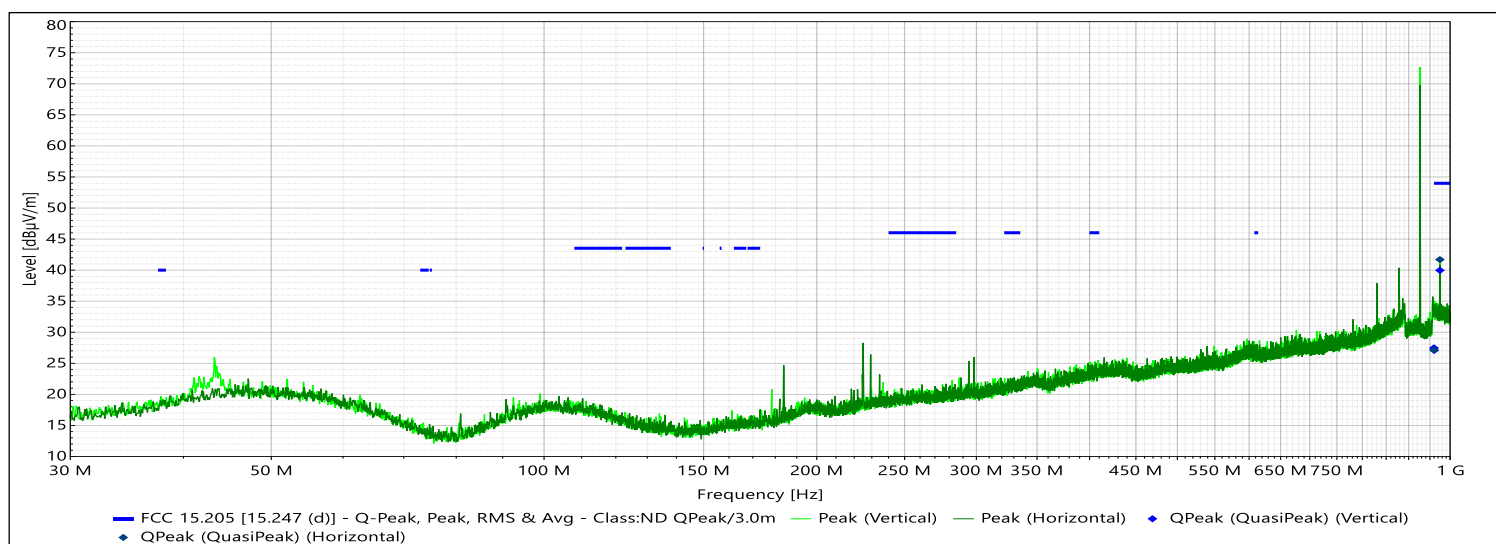


Spurious Emissions 30MHz – 1GHz

Side PCB Antenna – Channel 49, 926.39401 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	100 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	100 kHz	19401 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	24.4°C	15%	985 mBar	Duranta K. Barua



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC 15.205 [15.247 (d)] Q-Peak, Peak, RMS & Avg	Y-Axis	5/6/2026	Pass

Figure 2.10.7-22 – Graphical Results 30MHz – 1GHz

Table 2.10-22 – Radiated Emissions Data – 30MHz – 1GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
960.374	27.08	53.98	-26.90	242.00	1.25	Vertical	Pass
974.419	39.96	53.98	-14.02	117.00	1.00	Vertical	Pass
974.419	41.70	53.98	-12.28	332.00	1.42	Horizontal	Pass

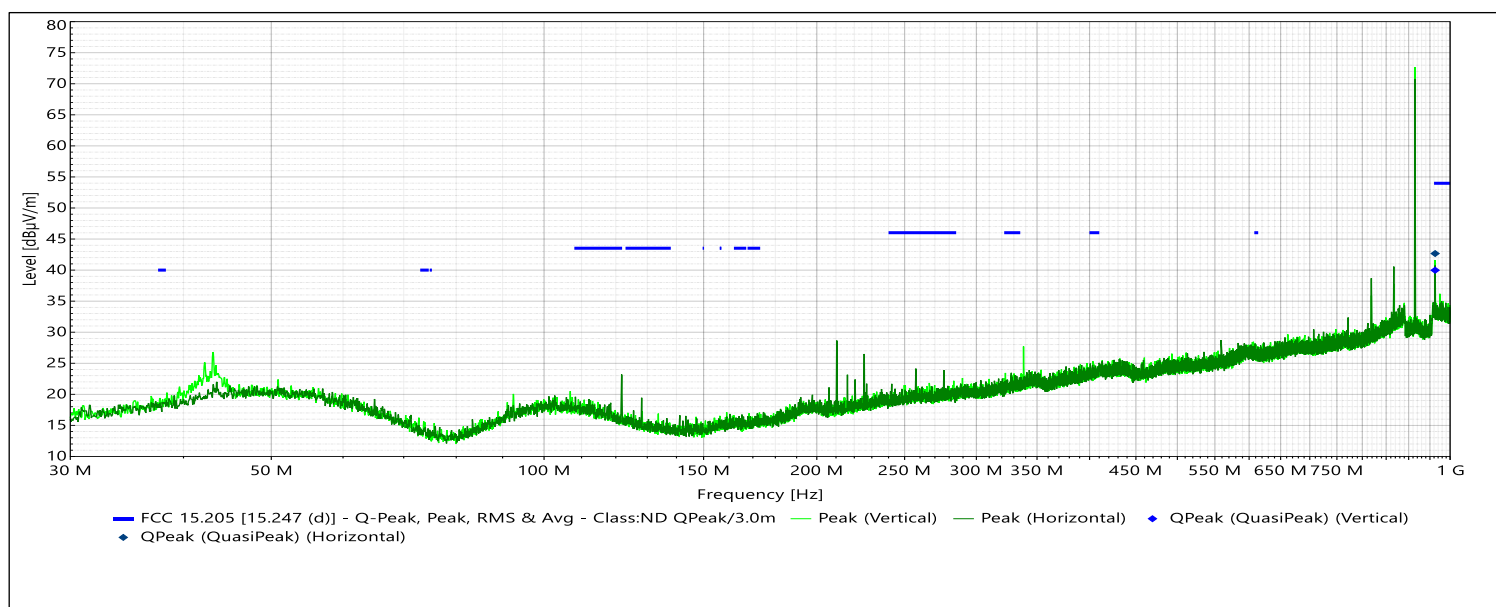


Spurious Emissions 30MHz – 1GHz

Side PCB Antenna – Channel 25, 914.59689 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	100 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	100 kHz	19401 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	24.4°C	15%	985 mBar	Duranta K. Barua



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC 15.205 [15.247 (d)] Q-Peak, Peak, RMS & Avg	Y-Axis	5/6/2026	Pass

Figure 2.10.7-23 – Graphical Results 30MHz – 1GHz

Table 2.10-23 – Radiated Emissions Data – 30MHz – 1GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
962.621	39.98	53.98	-14.00	117.00	1.00	Vertical	Pass
962.621	42.67	53.98	-11.31	178.00	1.42	Horizontal	Pass

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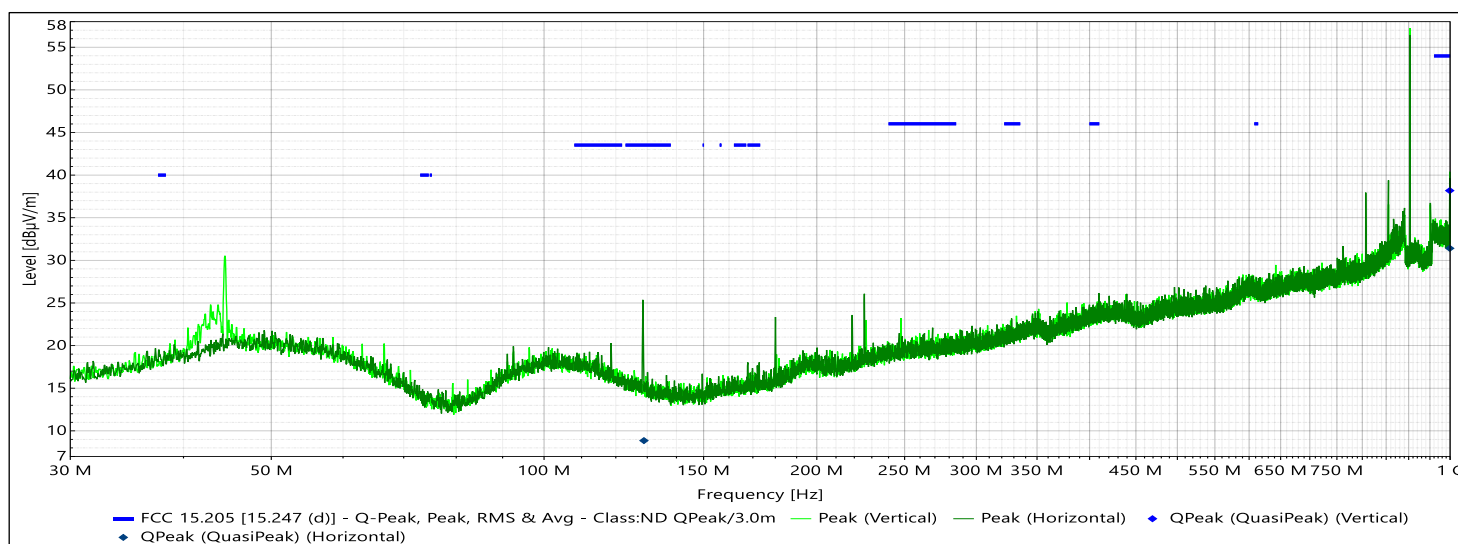


Spurious Emissions 30MHz – 1GHz

Side PCB Antenna – Channel 0, 902.99973 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
30 MHz - 1 GHz	3m	Vertical	100 kHz	19401 Pts	Auto
30 MHz - 1 GHz	3m	Horizontal	100 kHz	19401 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	24.4°C	15%	985 mBar	Duranta K. Barua



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC 15.205 [15.247 (d)] Q-Peak, Peak, RMS & Avg	Y-Axis	5/6/2026	Pass

Figure 2.10.7-24 – Graphical Results 30MHz – 1GHz

Table 2.10-24 – Radiated Emissions Data – 30MHz – 1GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
999.025	38.18	53.98	-15.80	117.00	1.00	Vertical	Pass
128.900	8.85	43.52	-34.67	144.00	2.72	Horizontal	Pass
999.025	31.41	53.98	-22.57	236.00	3.75	Horizontal	Pass

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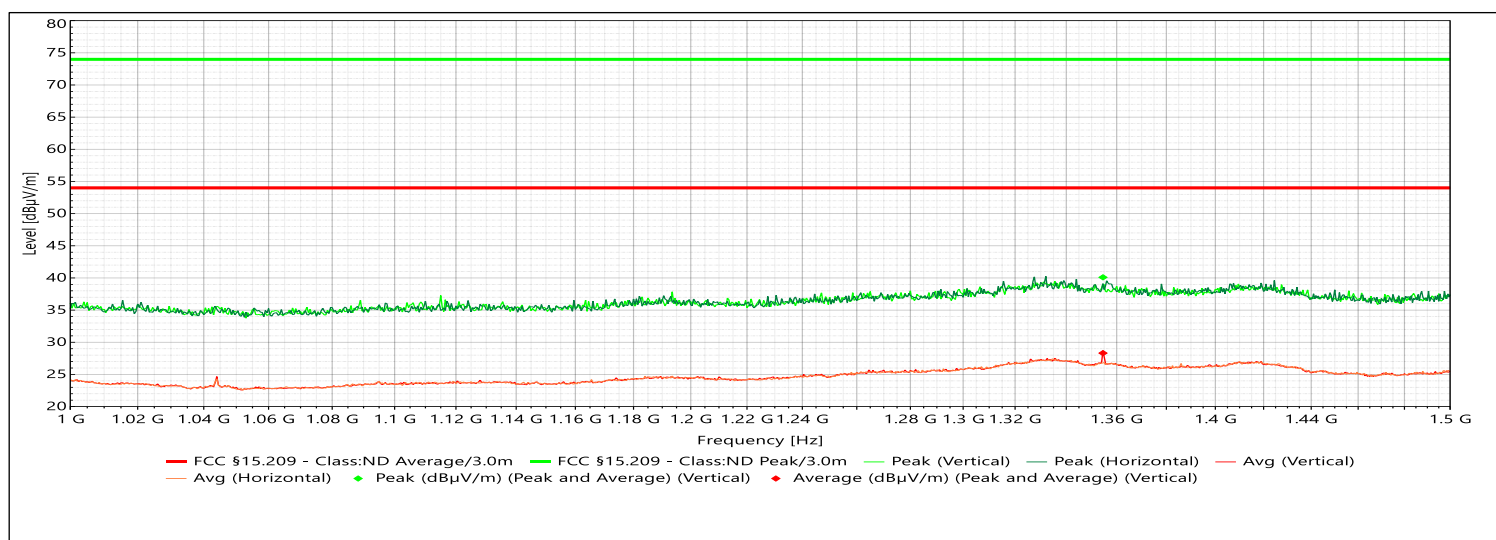


Spurious Emissions 1-1.5GHz

Side PCB Antenna – Channel 0, 902.99973 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz – 1.5 GHz	3m	Vertical	1 MHz	1001 Pts	Auto
1 GHz – 1.5 GHz	3m	Horizontal	1 MHz	1001 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC §15.209 **Orientation:** Y-Axis **Test Date:** 5/5/2026 **Test Results:** Pass

Figure 2.10.7-25 – Graphical Results 1-1.5GHz

Table 2.10-25 – Radiated Emissions Data –1-1.5GHz

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
1354.537	40.10	74.00	-33.90	28.32	54.00	-25.68	184.00	2.50	Vertical	Pass

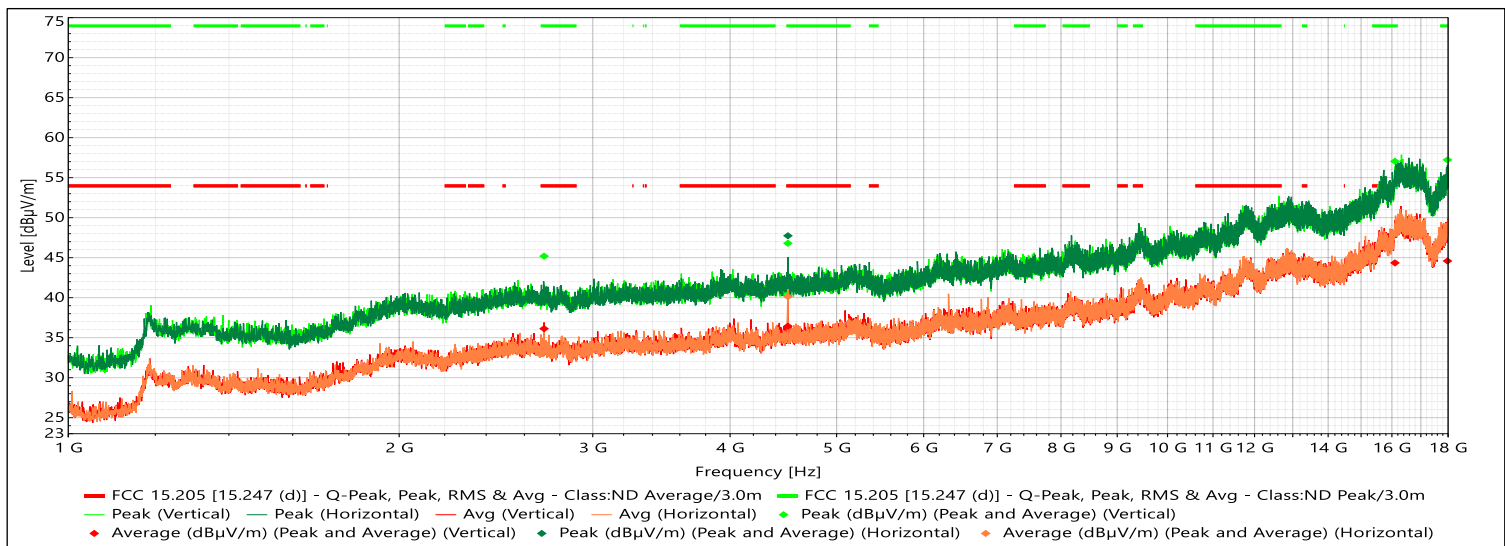


Spurious Emissions 1-18GHz

Side PCB Antenna – Channel 0, 902.99973 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC 15.205 [15.247 (d)]
 Q-Peak, Peak, RMS & Avg

Orientation: Y-Axis

Test Date: 5/5/2026

Test Results: Pass

Figure 2.10.7-26 – Graphical Results 1-18GHz

Table 2.10-26 – Radiated Emissions Data –1-18GHz

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
2709.075	45.19	73.98	-28.79	36.13	53.98	-17.85	360.00	1.96	Vertical	Pass
4515.125	46.80	73.98	-27.17	36.45	53.98	-17.53	346.00	2.50	Vertical	Pass
16102.019	57.06	73.98	-16.92	44.35	53.98	-9.63	6.00	4.00	Vertical	Pass
17975.981	57.23	73.98	-16.75	44.59	53.98	-9.39	265.00	4.00	Vertical	Pass
4515.127	47.74	73.98	-26.24	40.14	53.98	-13.84	23.00	2.11	Horizontal	Pass

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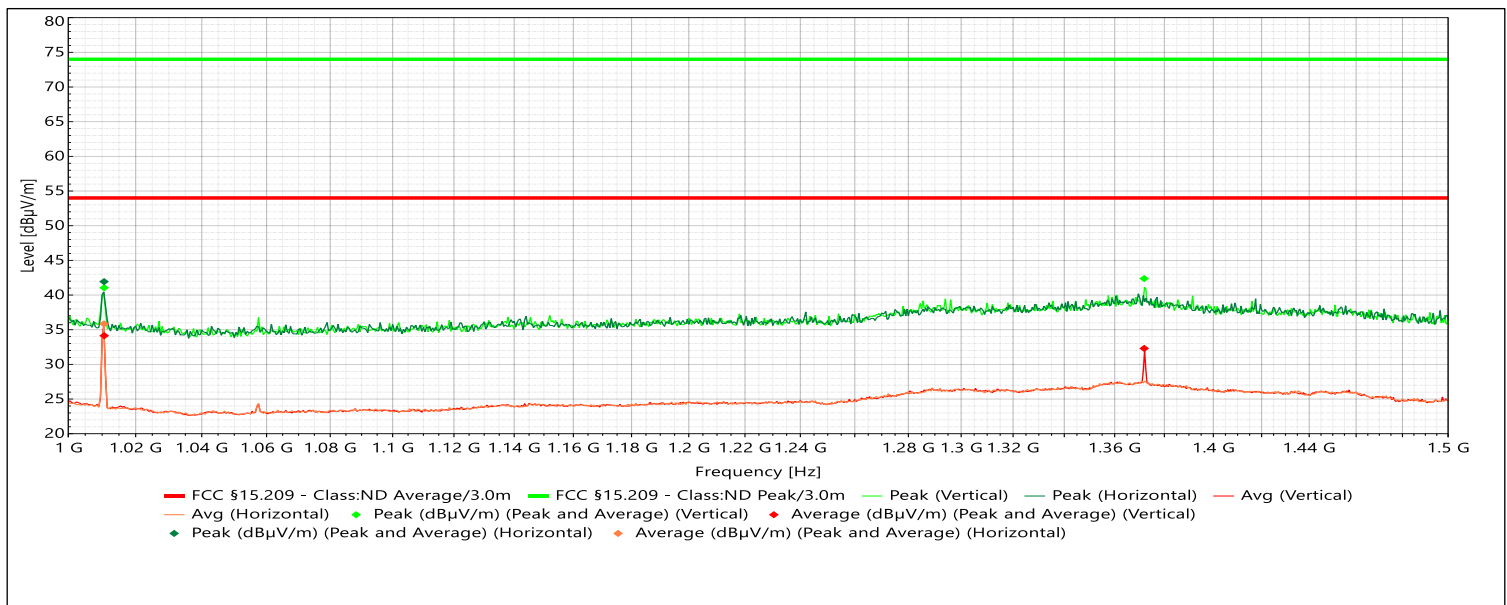


Spurious Emissions 1-1.5GHz

Side PCB Antenna – Channel 25, 914.59689 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz – 1.5 GHz	3m	Vertical	1 MHz	1001 Pts	Auto
1 GHz – 1.5 GHz	3m	Horizontal	1 MHz	1001 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC §15.209 **Orientation:** Y-Axis **Test Date:** 5/5/2026 **Test Results:** Pass

Figure 2.10.7-27 – Graphical Results 1-1.5GHz

Table 2.10-27 – Radiated Emissions Data –1-1.5GHz

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
1010.622	41.05	74.00	-32.95	34.13	54.00	-19.87	4.00	1.61	Vertical	Pass
1371.858	42.37	74.00	-31.63	32.30	54.00	-21.70	103.00	1.00	Vertical	Pass
1010.572	41.93	74.00	-32.07	35.84	54.00	-18.16	184.00	2.95	Horizontal	Pass

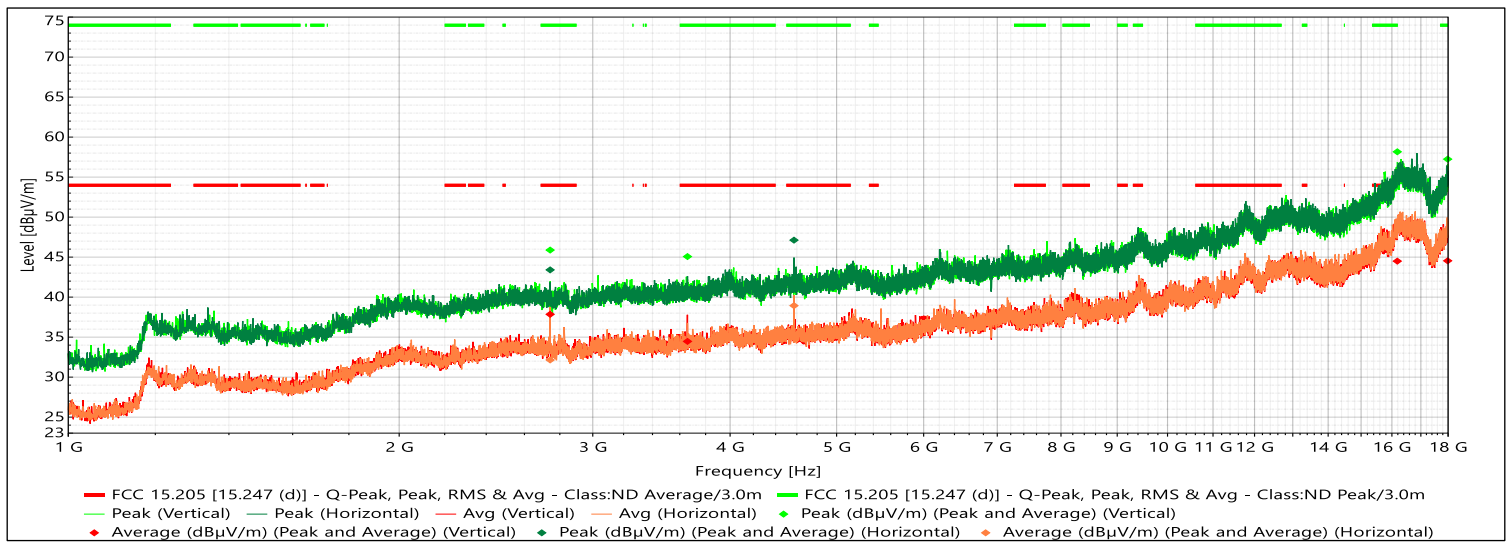


Spurious Emissions 1-18GHz

Side PCB Antenna – Channel 25, 914.59689 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC 15.205 [15.247 (d)]
Orientation: Y-Axis
Test Date: 5/5/2026
Test Results: Pass

Figure 2.10.7-28 – Graphical Results 1-18GHz

Table 2.10-28 – Radiated Emissions Data –1-18GHz

Frequency (MHz)	Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dB)	Average Level (dBμV/m)	Average Limit (dBμV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
2743.863	45.88	73.98	-28.10	37.85	53.98	-16.13	353.00	1.05	Vertical	Pass
3658.487	45.07	73.98	-28.91	34.46	53.98	-19.52	0.00	4.00	Vertical	Pass
16182.519	58.16	73.98	-15.82	44.49	53.98	-9.49	95.00	4.00	Vertical	Pass
17982.060	57.24	73.98	-16.74	44.54	53.98	-9.44	274.00	4.00	Vertical	Pass
2743.865	43.40	73.98	-30.58	32.15	53.98	-21.83	23.00	3.95	Horizontal	Pass
4572.860	47.12	73.98	-26.86	38.93	53.98	-15.05	50.00	1.60	Horizontal	Pass

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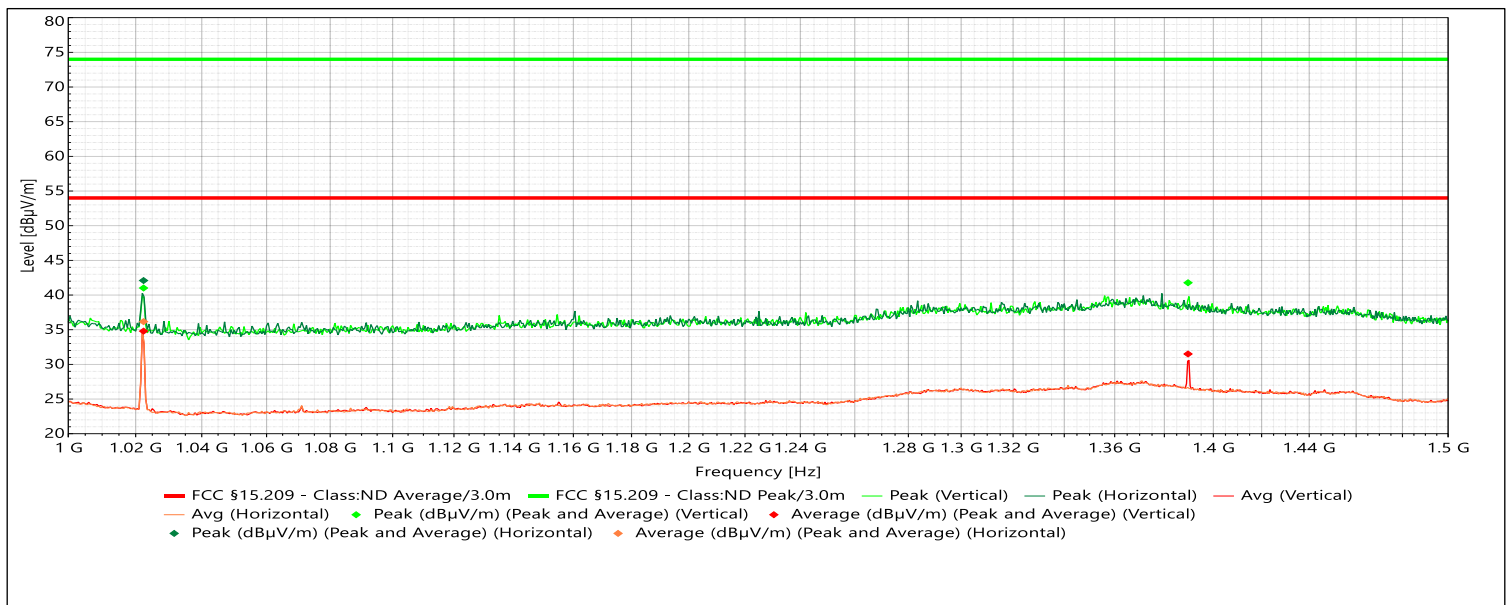


Spurious Emissions 1-1.5GHz

Side PCB Antenna – Channel 49, 926.39401 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz – 1.5 GHz	3m	Vertical	1 MHz	1001 Pts	Auto
1 GHz – 1.5 GHz	3m	Horizontal	1 MHz	1001 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC §15.209
Orientation: Y-Axis
Test Date: 5/5/2026
Test Results: Pass

Figure 2.10.7-29 – Graphical Results 1-1.5GHz

Table 2.10-29 – Radiated Emissions Data –1-1.5GHz

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
1022.368	41.01	74.00	-32.99	34.80	54.00	-19.20	90.00	3.49	Vertical	Pass
1389.628	41.77	74.00	-32.23	31.50	54.00	-22.50	22.00	1.00	Vertical	Pass
1022.368	42.09	74.00	-31.91	36.16	54.00	-17.84	353.00	2.95	Horizontal	Pass

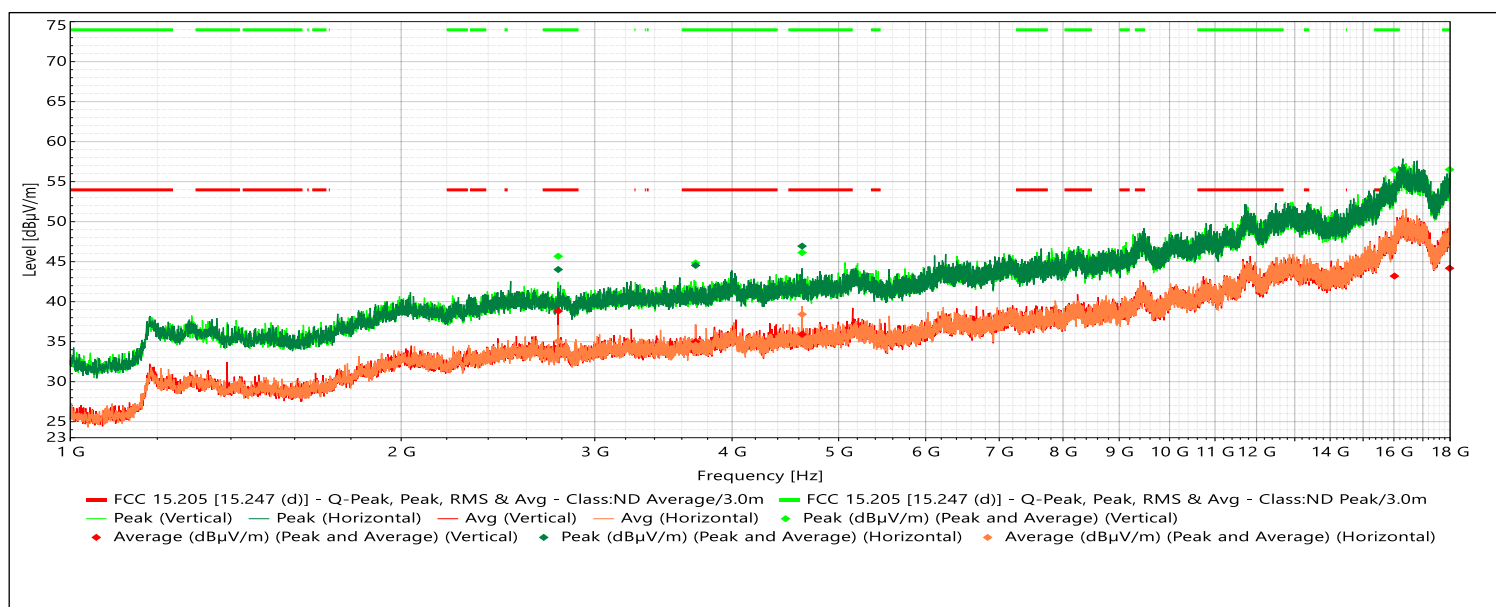


Spurious Emissions 1-18GHz

Side PCB Antenna – Channel 49, 926.39401 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC 15.205 [15.247 (d)]	Y-Axis	5/5/2026	Pass
Q-Peak, Peak, RMS & Avg			

Figure 2.10.7-30 – Graphical Results 1-18GHz

**Table 2.10-30 – Radiated Emissions Data –1-18GHz**

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
2779.105	45.68	73.98	-28.30	38.83	53.98	-15.15	0.00	1.11	Vertical	Pass
3705.674	44.84	73.98	-29.14	35.01	53.98	-18.97	337.00	2.50	Vertical	Pass
4632.093	46.13	73.98	-27.84	35.93	53.98	-18.05	39.00	1.00	Vertical	Pass
16019.132	56.47	73.98	-17.51	43.21	53.98	-10.77	289.00	3.23	Vertical	Pass
17979.931	56.51	73.98	-17.46	44.18	53.98	-9.80	176.00	2.59	Vertical	Pass
2779.105	44.02	73.98	-29.96	35.06	53.98	-18.92	47.00	2.53	Horizontal	Pass
3705.674	44.54	73.98	-29.44	34.59	53.98	-19.39	0.00	1.96	Horizontal	Pass
4632.091	46.95	73.98	-27.03	38.42	53.98	-15.56	26.00	3.44	Horizontal	Pass

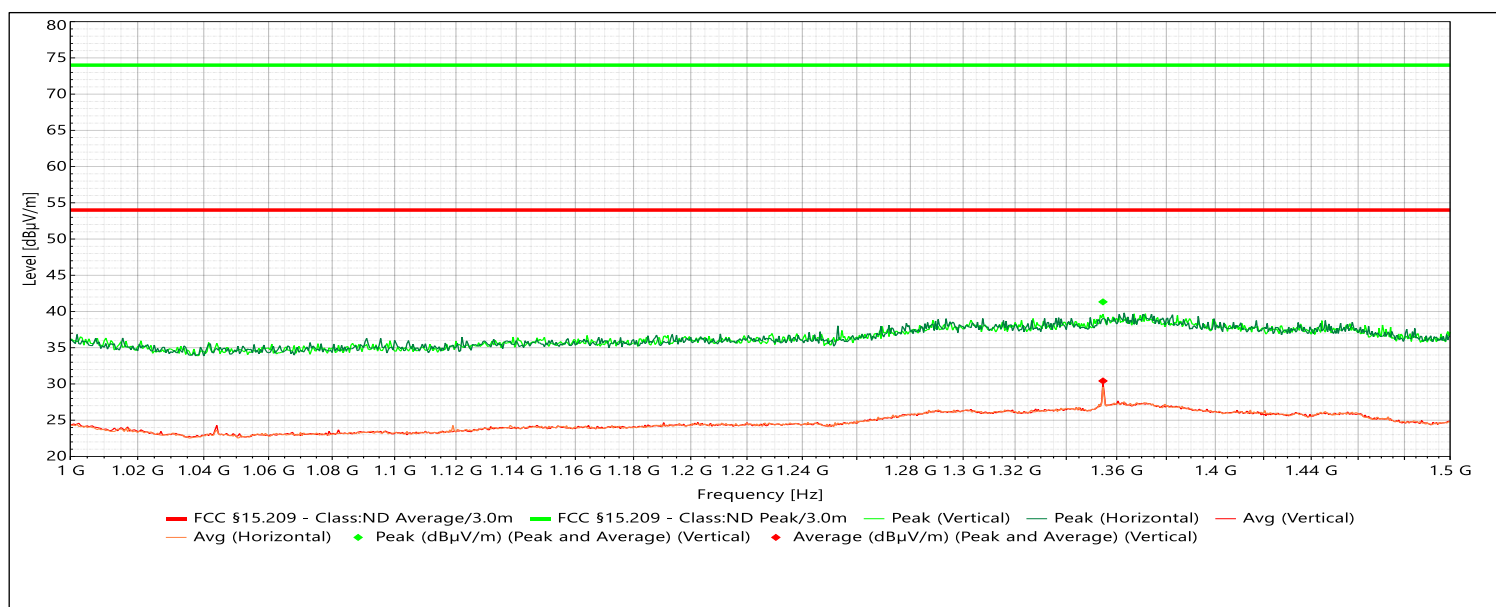


Spurious Emissions 1-1.5GHz

Top PCB Antenna – Channel 0, 902.99973 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz – 1.5 GHz	3m	Vertical	1 MHz	1001 Pts	Auto
1 GHz – 1.5 GHz	3m	Horizontal	1 MHz	1001 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC §15.209 **Orientation:** Y-Axis **Test Date:** 5/5/2026 **Test Results:** Pass

Figure 2.10.7-31 – Graphical Results 1-1.5GHz

Table 2.10-31 – Radiated Emissions Data –1-1.5GHz

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
1354.537	41.33	74.00	-32.67	30.42	54.00	-23.58	71.00	1.00	Vertical	Pass

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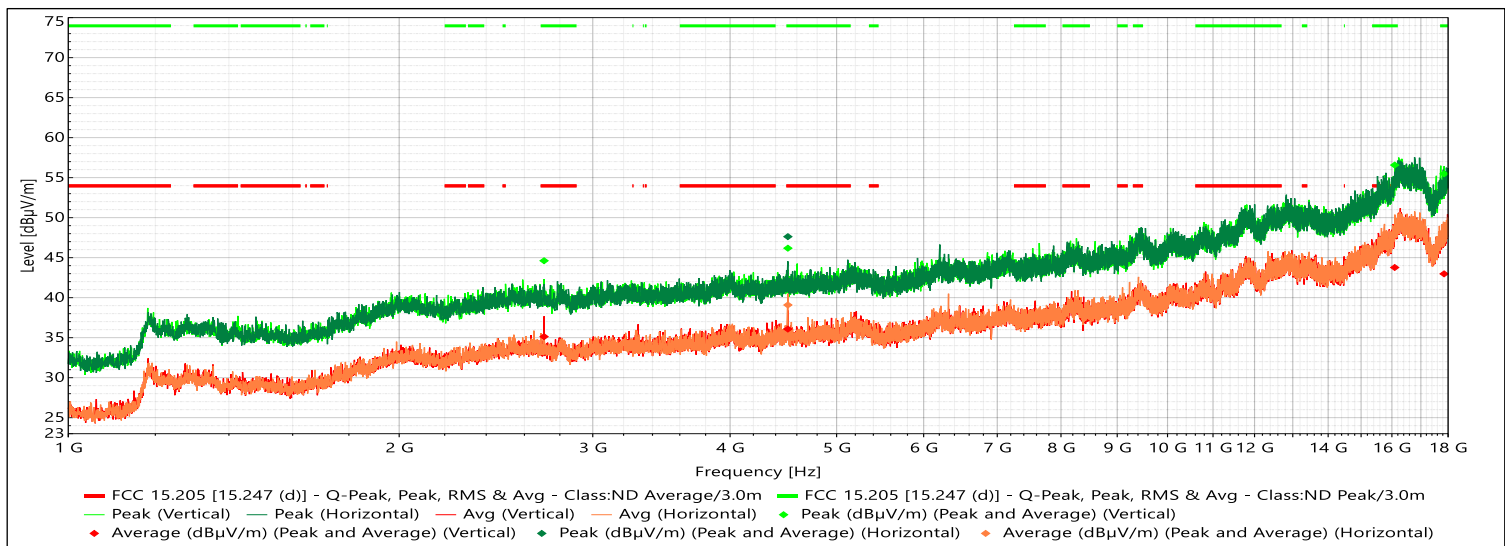


Spurious Emissions 1-18GHz

Top PCB Antenna – Channel 0, 902.99973 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	902.99973 MHz	0	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC 15.205 [15.247 (d)]
 Q-Peak, Peak, RMS & Avg
Orientation: Y-Axis
Test Date: 5/5/2026
Test Results: Pass

Figure 2.10.7-32 – Graphical Results 1-18GHz

Table 2.10-32 – Radiated Emissions Data –1-18GHz

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
2709.073	44.62	73.98	-29.36	35.13	53.98	-18.84	0.00	2.50	Vertical	Pass
4514.876	46.19	73.98	-27.79	36.08	53.98	-17.90	39.00	2.18	Vertical	Pass
16094.564	56.58	73.98	-17.40	43.77	53.98	-10.20	289.00	2.80	Vertical	Pass
17849.125	55.48	73.98	-18.49	42.98	53.98	-11.00	281.00	2.17	Vertical	Pass
4514.876	47.63	73.98	-26.35	39.09	53.98	-14.89	47.00	2.45	Horizontal	Pass

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 141 14th Street NW
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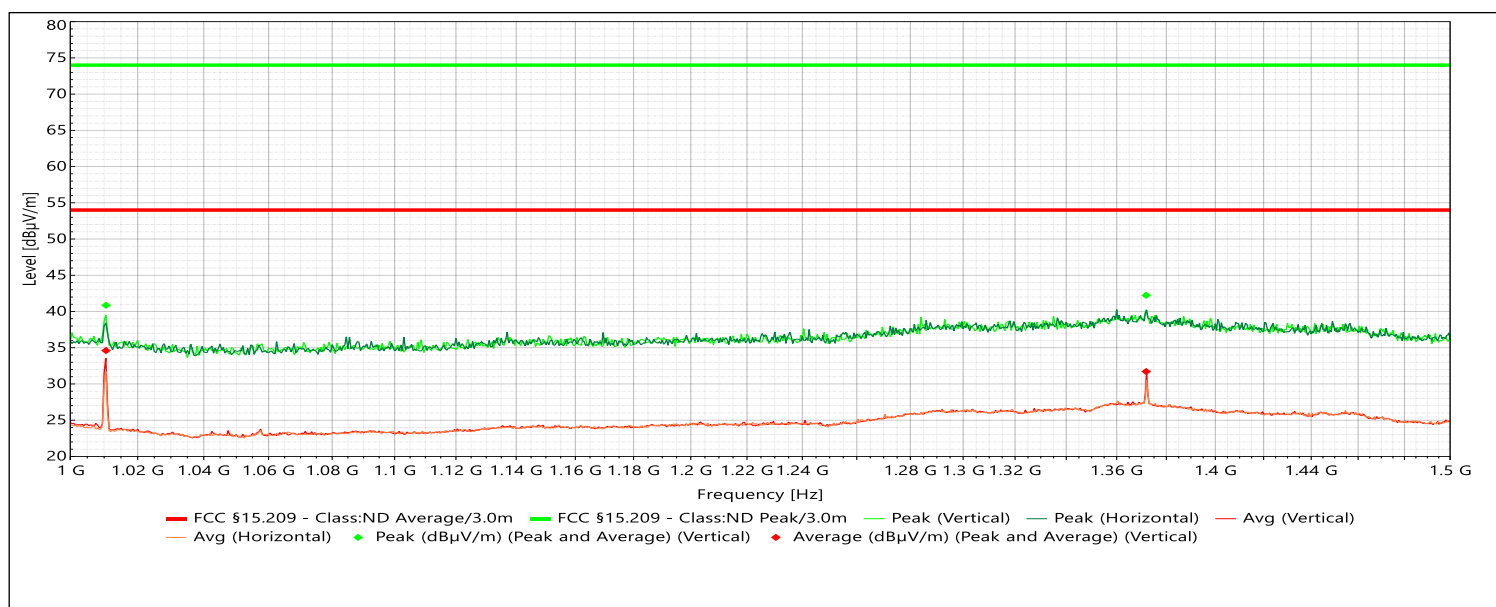


Spurious Emissions 1-1.5GHz

Top PCB Antenna – Channel 25, 914.59689 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz – 1.5 GHz	3m	Vertical	1 MHz	1001 Pts	Auto
1 GHz – 1.5 GHz	3m	Horizontal	1 MHz	1001 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC §15.209 **Orientation:** Y-Axis **Test Date:** 5/5/2026 **Test Results:** Pass

Figure 2.10.7-33 – Graphical Results 1-1.5GHz

Table 2.10-33 – Radiated Emissions Data –1-1.5GHz

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
1010.572	40.86	74.00	-33.14	34.61	54.00	-19.39	265.00	2.24	Vertical	Pass
1371.860	42.24	74.00	-31.76	31.71	54.00	-22.29	261.00	1.00	Vertical	Pass

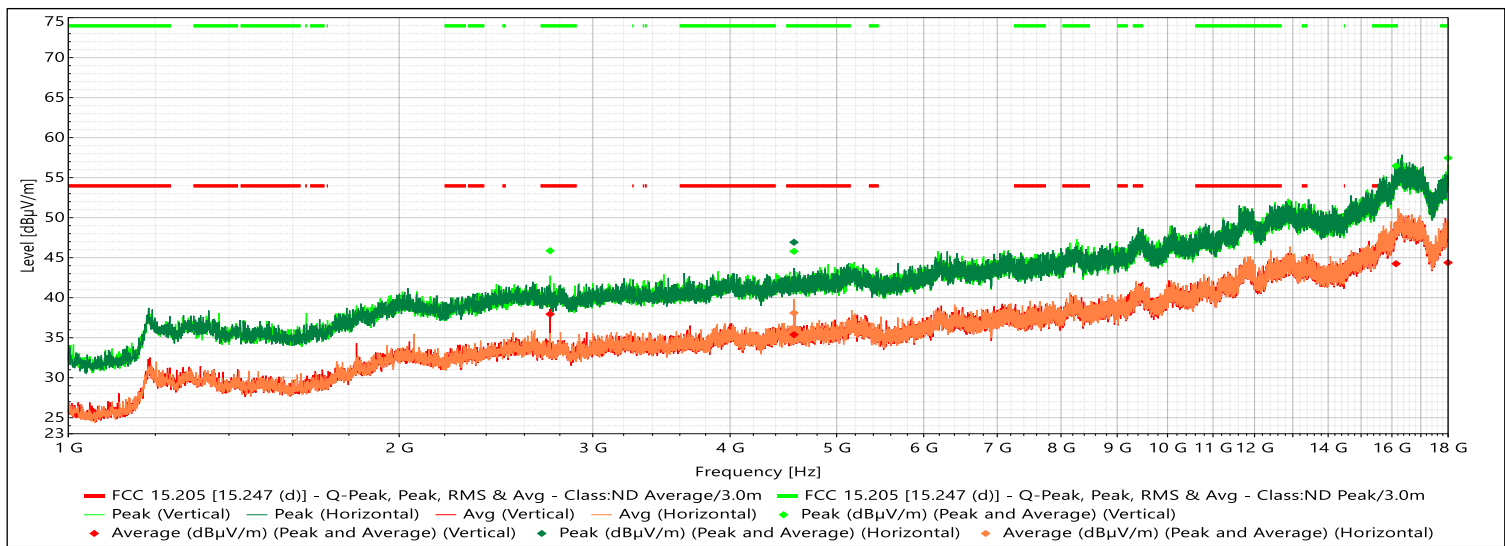


Spurious Emissions 1-18GHz

Top PCB Antenna – Channel 25, 914.59689 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	914.59689 MHz	25	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC 15.205 [15.247 (d)]
 Q-Peak, Peak, RMS & Avg

Orientation: Y-Axis

Test Date: 5/5/2026

Test Results: Pass

Figure 2.10.7-34 – Graphical Results 1-18GHz

Table 2.10-34 – Radiated Emissions Data –1-18GHz

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
2743.865	45.87	73.98	-28.11	37.95	53.98	-16.02	348.00	1.00	Vertical	Pass
4573.108	45.80	73.98	-28.18	35.38	53.98	-18.60	0.00	2.89	Vertical	Pass
16140.332	56.47	73.98	-17.50	44.25	53.98	-9.73	337.00	4.00	Vertical	Pass
17997.702	57.47	73.98	-16.51	44.38	53.98	-9.60	192.00	2.96	Vertical	Pass
4572.858	46.93	73.98	-27.05	38.09	53.98	-15.89	47.00	2.17	Horizontal	Pass

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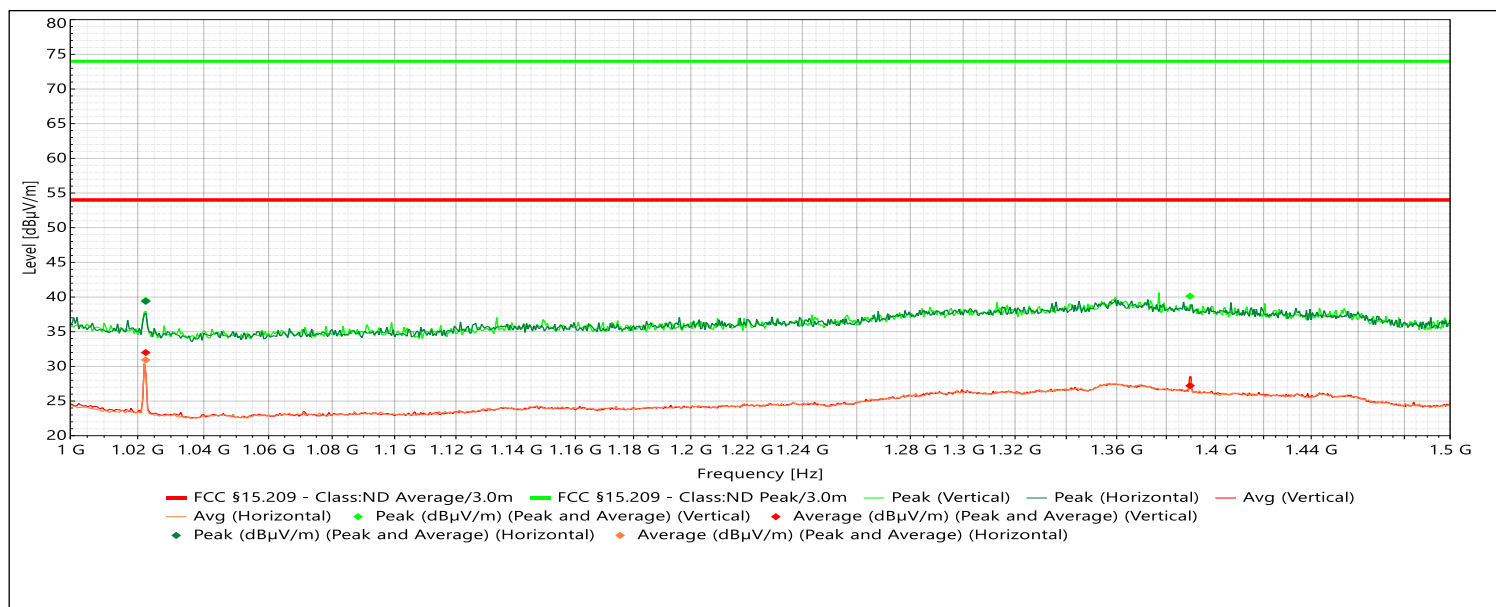


Spurious Emissions 1-1.5GHz

Top PCB Antenna – Channel 49, 926.39401 MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
1 GHz – 1.5 GHz	3m	Vertical	1 MHz	1001 Pts	Auto
1 GHz – 1.5 GHz	3m	Horizontal	1 MHz	1001 Pts	Auto

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit: FCC Part 15/FCC §15.209
Orientation: Y-Axis
Test Date: 5/5/2026
Test Results: Pass

Figure 2.10.7-35 – Graphical Results 1-1.5GHz

Table 2.10-35 – Radiated Emissions Data –1-1.5GHz

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
1022.420	39.52	74.00	-34.48	31.99	54.00	-22.01	265.00	3.22	Vertical	Pass
1389.628	40.12	74.00	-33.88	27.21	54.00	-26.79	200.00	2.88	Vertical	Pass
1022.418	39.38	74.00	-34.62	30.93	54.00	-23.07	197.00	4.00	Horizontal	Pass

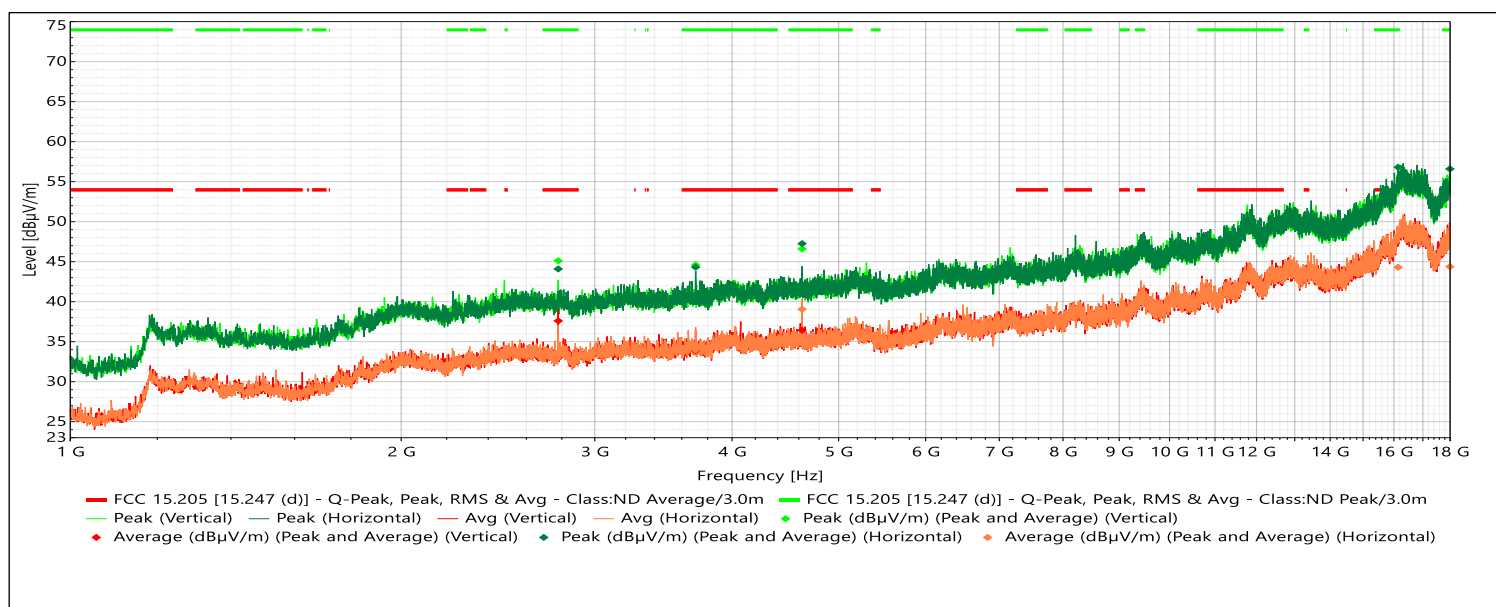


Spurious Emissions 1-18GHz

Top PCB Antenna – Channel 49, 926.39401 MHz

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

Technology	Frequency	Channel	Mode	Temperature	Humidity	Pressure	Engineer
Redlink™ 900 MHz Proprietary FHSS Protocol	926.39401 MHz	49	TX	22.9°C	14%	978 mBar	Duranta K. Barua



Limit:	Orientation	Test Date	Test Results:
FCC Part 15/FCC 15.205 [15.247 (d)]	Y-Axis	5/5/2026	Pass
Q-Peak, Peak, RMS & Avg			

Figure 2.10.7-36 – Graphical Results 1-18GHz

**Table 2.10-36 – Radiated Emissions Data –1-18GHz**

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
2779.256	45.12	73.98	-28.86	37.60	53.98	-16.38	23.00	3.43	Vertical	Pass
3705.473	44.60	73.98	-29.38	33.88	53.98	-20.10	17.00	2.66	Vertical	Pass
4631.843	46.60	73.98	-27.38	36.43	53.98	-17.55	308.00	3.59	Vertical	Pass
2779.256	44.09	73.98	-29.89	33.63	53.98	-20.34	0.00	2.04	Horizontal	Pass
3705.674	44.31	73.98	-29.67	33.97	53.98	-20.01	23.00	3.01	Horizontal	Pass
4632.093	47.26	73.98	-26.72	39.06	53.98	-14.92	30.00	2.50	Horizontal	Pass
16143.149	56.81	73.98	-17.17	44.30	53.98	-9.68	232.00	3.72	Horizontal	Pass
17992.011	56.59	73.98	-17.39	44.38	53.98	-9.60	289.00	2.50	Horizontal	Pass



2.10.8 Sample Calculations

$$R_C = R_U + CF_T$$

Where:

CF_T	=	Total Correction Factor (AF+CA+AG)-DC (Average Measurements Only)
R_U	=	Uncorrected Reading
R_C	=	Corrected Level
AF	=	Antenna Factor
CA	=	Cable Attenuation
AG	=	Amplifier Gain
DC	=	Duty Cycle Correction Factor

Example Calculation: Peak

Corrected Level: $43.79 + 7.35 = 51.14$ dB μ V/m

Margin: 51.14 dB μ V/m – 74 dB μ V/m = -22.86 dB

Example Calculation: Average

Corrected Level: $32.45 + 7.35 - 0 = 39.80$ dB μ V/m

Margin: 39.80 dB μ V/m – 54 dB μ V/m = -14.20 dB



2.10.9 Test Location and Test Equipment Used

This test was carried out in the **3mSAC** located in
TÜV SÜD America, Inc., 141 14th Street NW, New Brighton, MN 55112, USA.

Device #	Manufacturer	Description	Model	Serial #	Cal Code	Cal Date	Cal Due
NBLE03504	Florida RF Labs	Cable, N 3ft	FL335	3ft-1	B	03/26/2026	03/26/2027
NBLE03514	Florida RF Labs	Cable, SMA	FL200	3ft-9	B	10/14/2025	10/14/2026
NBLE10574		Cable, BNC 3M	EF142	10574	B	04/27/2026	04/27/2027
NBLE11142	Hewlett-Packard	Preamplifier, 0.1 to 1300 MHz	8447D	2727A05370	B	10/16/2025	10/16/2026
WRLE02418	EMCO/EMC Test	Antenna, Loop	6502	2215	G	03/18/2025	03/18/2027
WRLE10517	Microwave Circuits Inc	Filter, 900-950 MHz Notch	N03915M1	138901	B	04/24/2026	04/24/2027
WRLE10891	Huber+ Suhner	Cable, BNC 5M	EF142/11BNC/11BNC/5M	N/A	B	04/07/2026	04/07/2027
WRLE11519	Com-Power Corp.	Preamplifier, 500 MHz-18 GHz	PAM-118A	18040002	B	01/24/2026	01/24/2027
NBLE11614	Teledyne Storm Microwave	Cable, N 3m	90-195-3MTR	182984-003	B	01/26/2026	01/26/2027
NBLE11618	Teledyne Storm Microwave	Cable, N 8m	90-195-8MTR	182982-004	B	02/05/2026	02/05/2027
NBLE11630	ETS-Lindgren	Antenna, 1-18 GHz	3117	00218816	G	09/27/2024	09/27/2026
NBLE11645	Schwarzbeck	Antenna, Trilog, 30 MHz-7 GHz	VULB 9162	0254	G	06/24/2025	06/24/2027
TEMC00175	Micro-Tronics	1.2 GHz High Pass Filter	HPM50108-01	014	B	02/10/2026	02/10/2027
NBLE11754	Rohde & Schwarz	Receiver, 1 Hz-44 GHz	ESW44	103037	G	10/24/2025	10/24/2026

Cal Code G = Calibration performed by an accredited outside source.

Cal Code B = Calibration verification performed internally.

Cal Code Y = Passive Device, or Calibration not required when used with other calibrated equipment.

3 Diagram of Test Set-ups

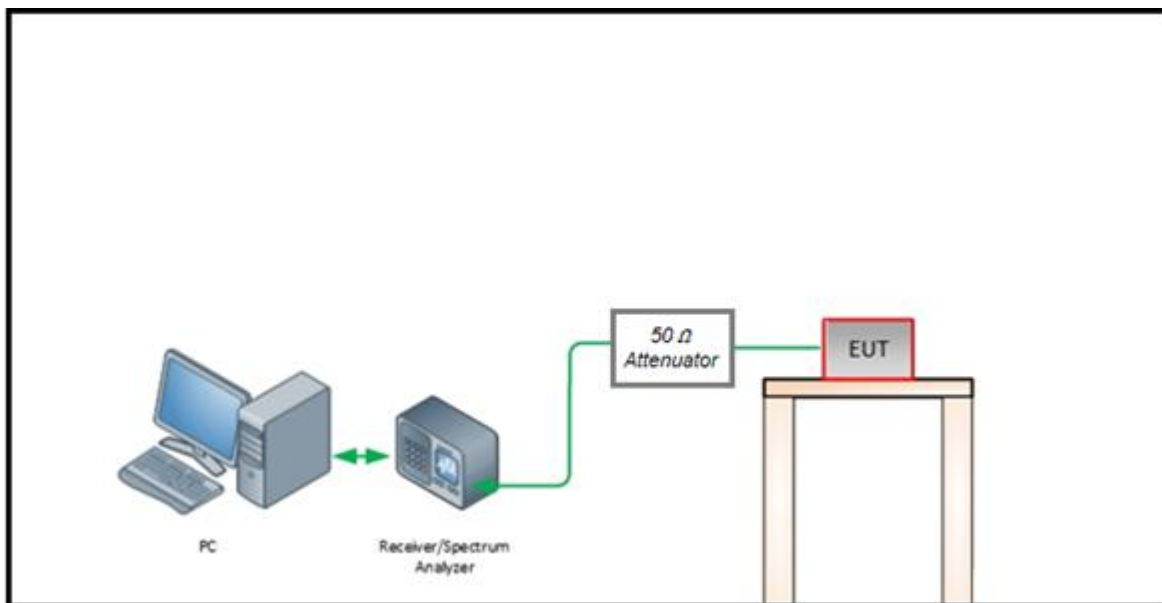


Figure 3-1 – RF Conducted Measurements Test Setup

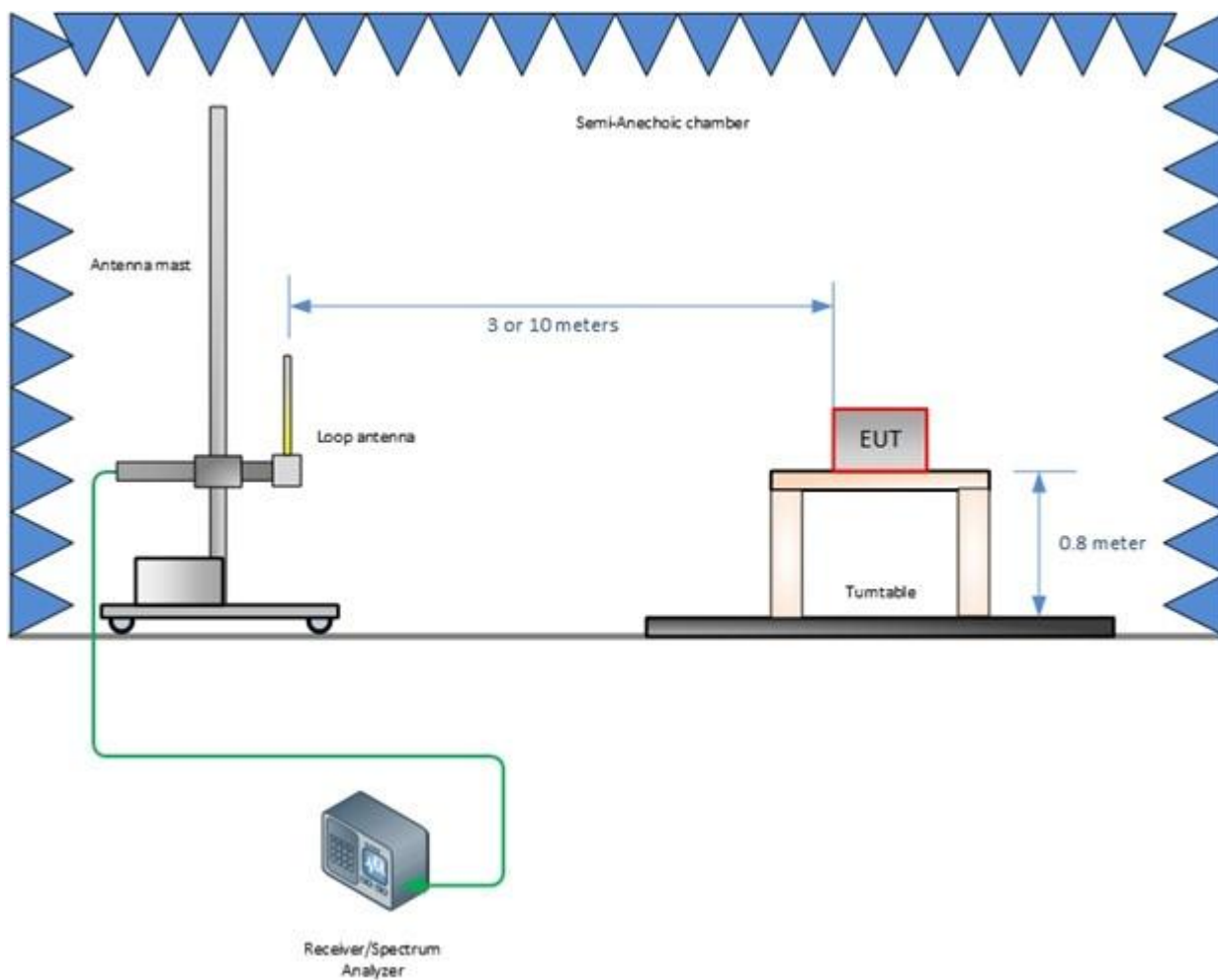


Figure 3-2 – Radiated Emissions Test Setup below 30 MHz

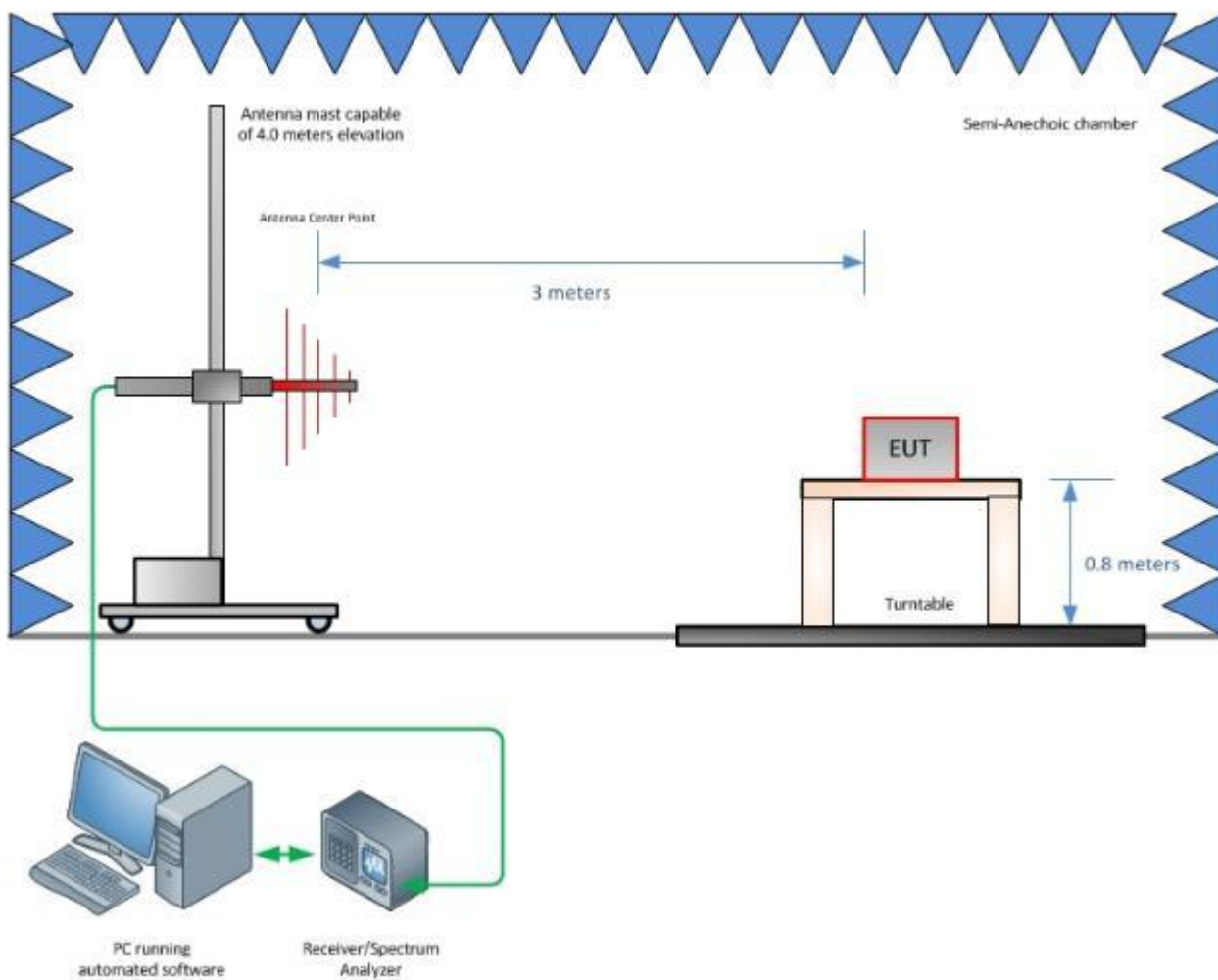


Figure 3-3 – Radiated Emissions Test Setup up to 1 GHz

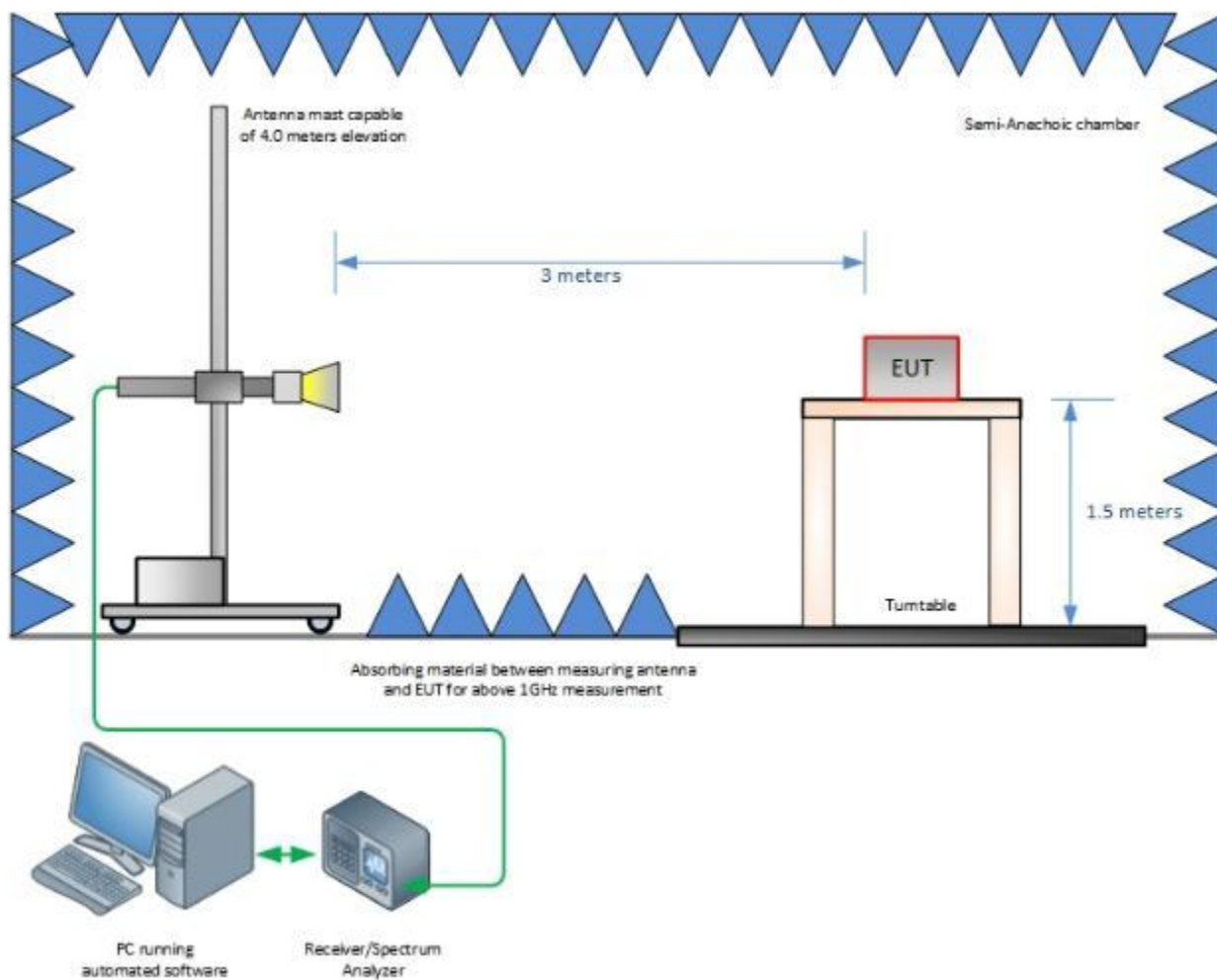


Figure 3-4 – Radiated Emissions Test Setup above 1 GHz

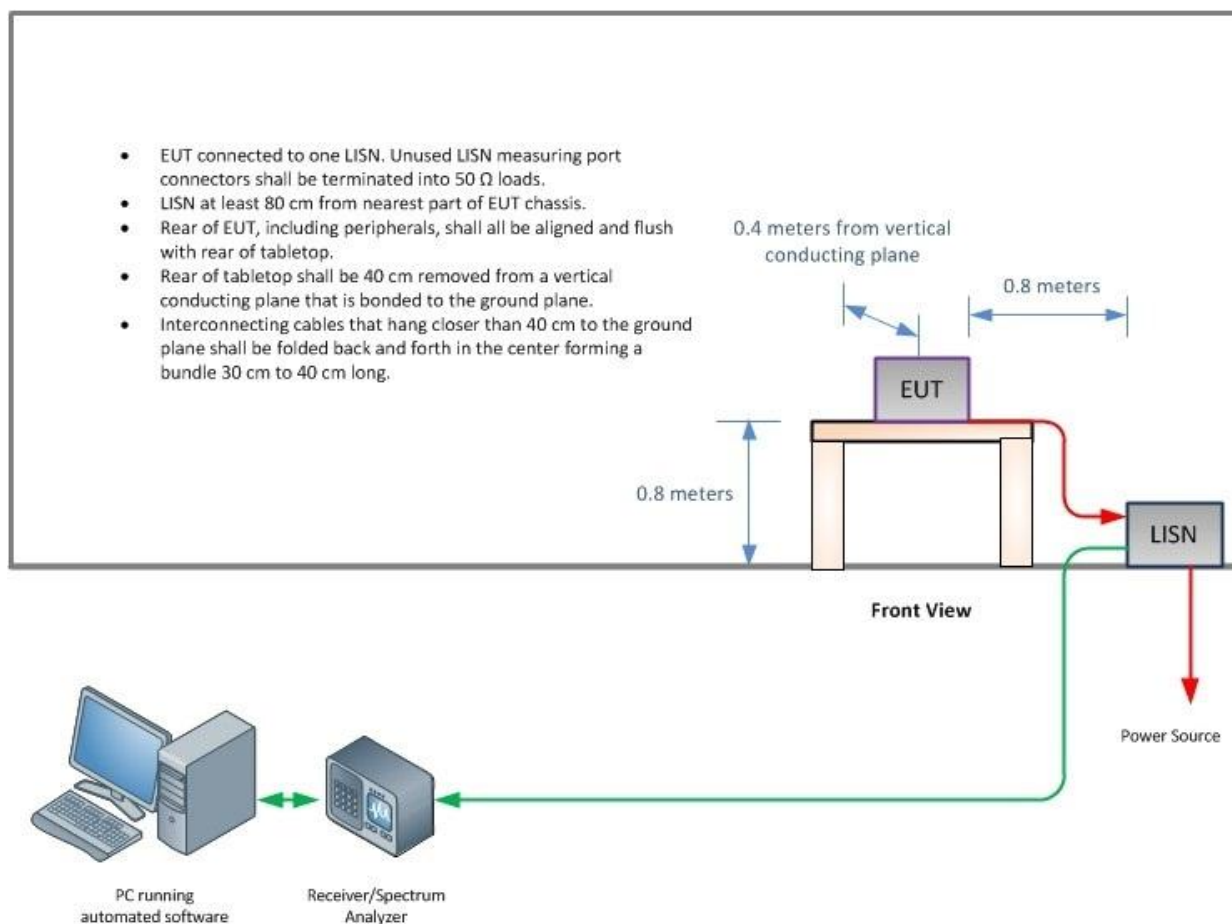


Figure 3-5 – Conducted Emissions Test Setup



4 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Table 4-1- Values of U_{CISPR} and U_{Lab}

Measurement	U_{CISPR}	U_{Lab}
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1 000 MHz) (1 – 6 GHz) (6-18 GHz)	6.3 dB 5.2 dB 5.5 dB	5.88 dB 4.47 dB 4.478 dB
Power Line Conducted Emissions 150 kHz – 30 MHz	3.4 dB	3.30 dB
Occupied Channel Bandwidth	-----	±2.83 %
RF output power, conducted	-----	±0.61 dB
Power Spectral Density, conducted	-----	±1.13 dB
Unwanted Emissions, conducted	-----	±2.64 dB

Notes:

U_{CISPR} resembles a value of measurement uncertainty for a specific test, which was determined by considering uncertainties associated with the quantities listed in CISPR 16-4-2:2011.

The test system for conducted emissions is defined as the LISN, tuned receiver or spectrum analyzer, and coaxial cable. This test system has a measurement uncertainty of ±3.30 dB. The test system for radiated emissions is defined as the antenna, the pre-amplifier, the spectrum analyzer and the coaxial cable. This test system for 30 MHz-1000 MHz has a measurement uncertainty of ±5.88 dB and above 1 GHz a measurement uncertainty of ±4.47 dB. The measurement uncertainty values for conducted and radiated emissions meet the requirements as expressed in CISPR 16-4-2. The equipment comprising the test systems is calibrated on an annual basis.



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