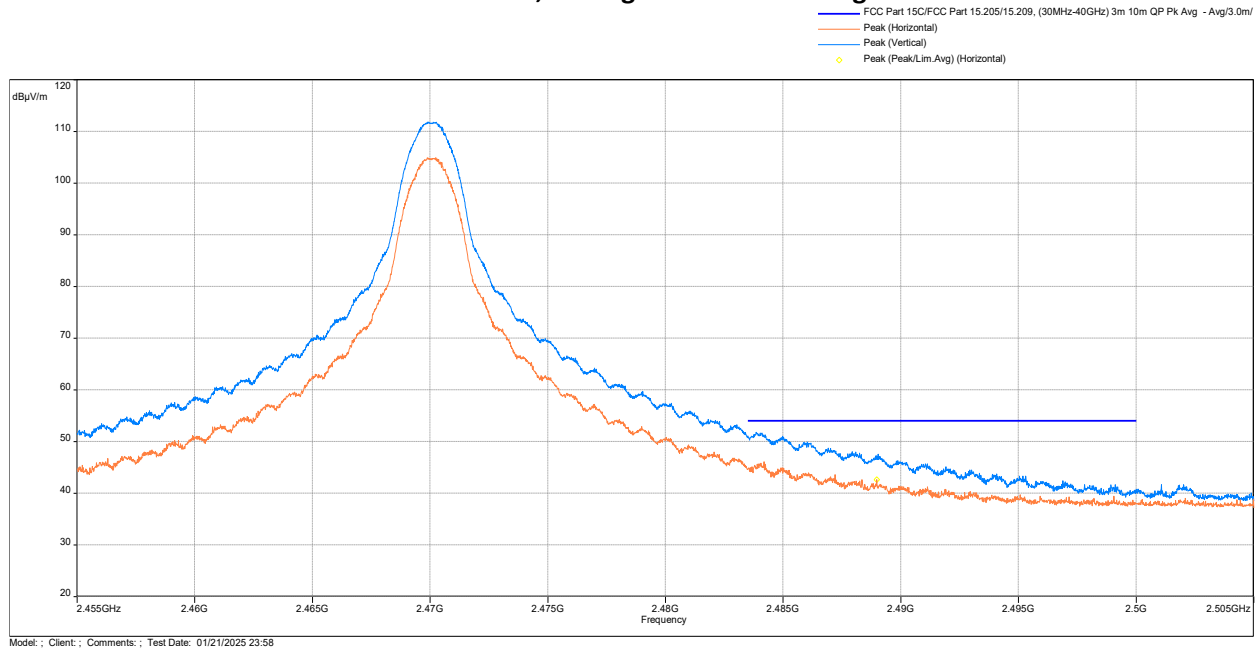
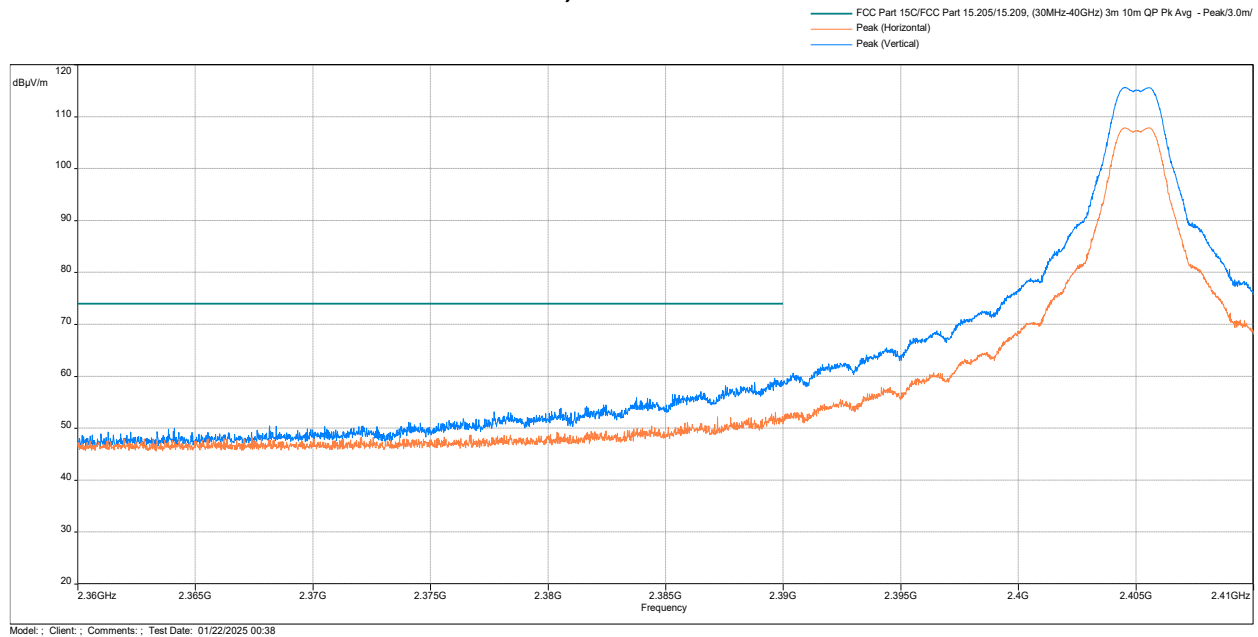


Primary Antenna
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
2483.5–2500 MHz, Average Scan with Average Limit

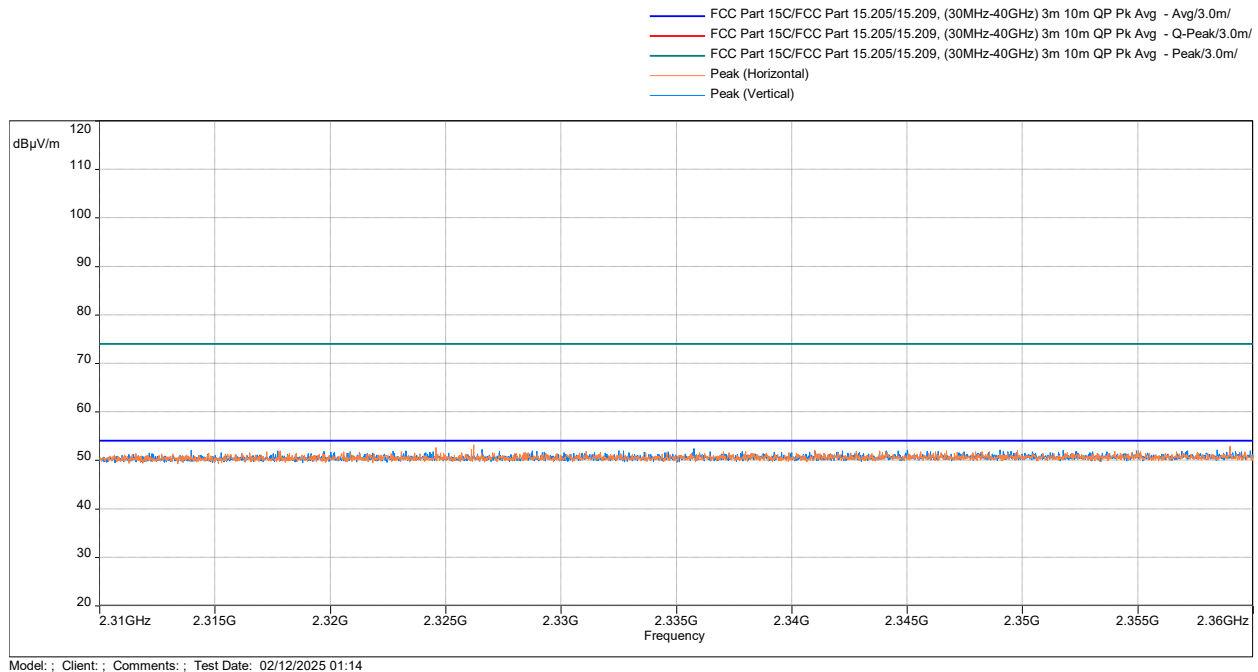


Frequency (MHz)	FS (dB(uV/m))	Ave Limit (dB(uV/m))	Ave Margin (dB)	Azimuth (deg)	Height (m)	Polarity	Peak Reading (dBuV)	RA (dBuV)	Correction (dB)
2483.5	51.31	54	-2.69	343.75	1	Vertical	59.97	29.38	21.93

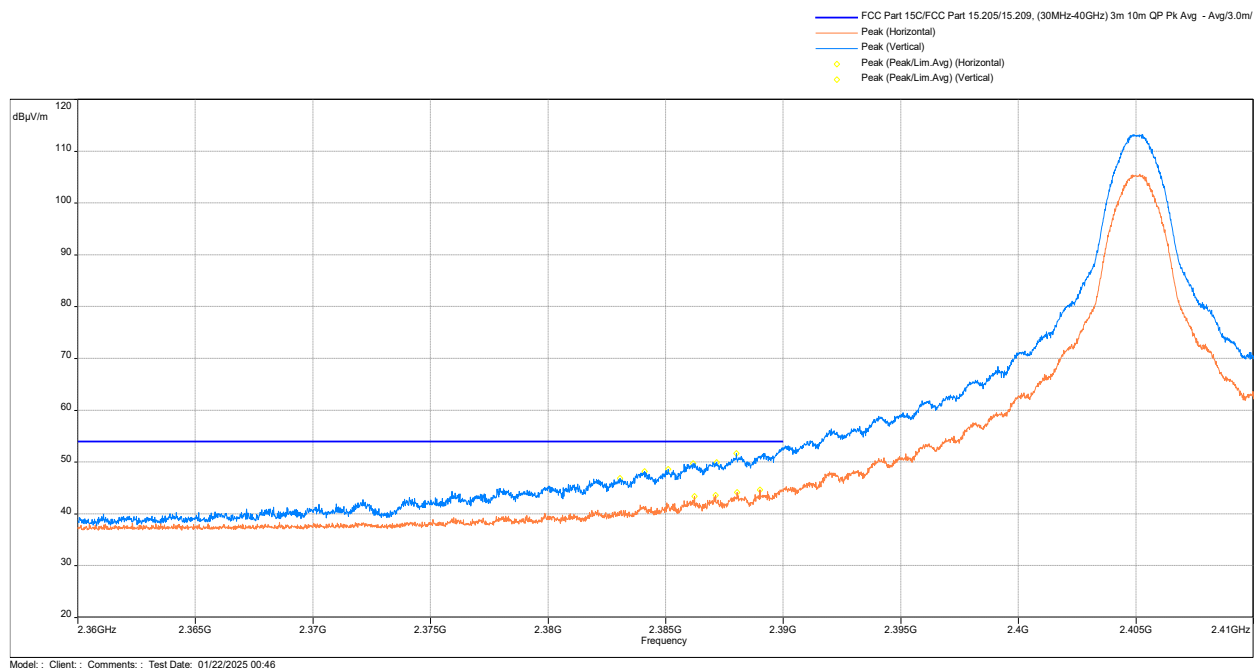
Secondary Antenna
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
2360–2390 MHz, Peak Scan with Peak Limit



Secondary Antenna
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
2310–2360 MHz, Peak Scan with Average & Peak Limit

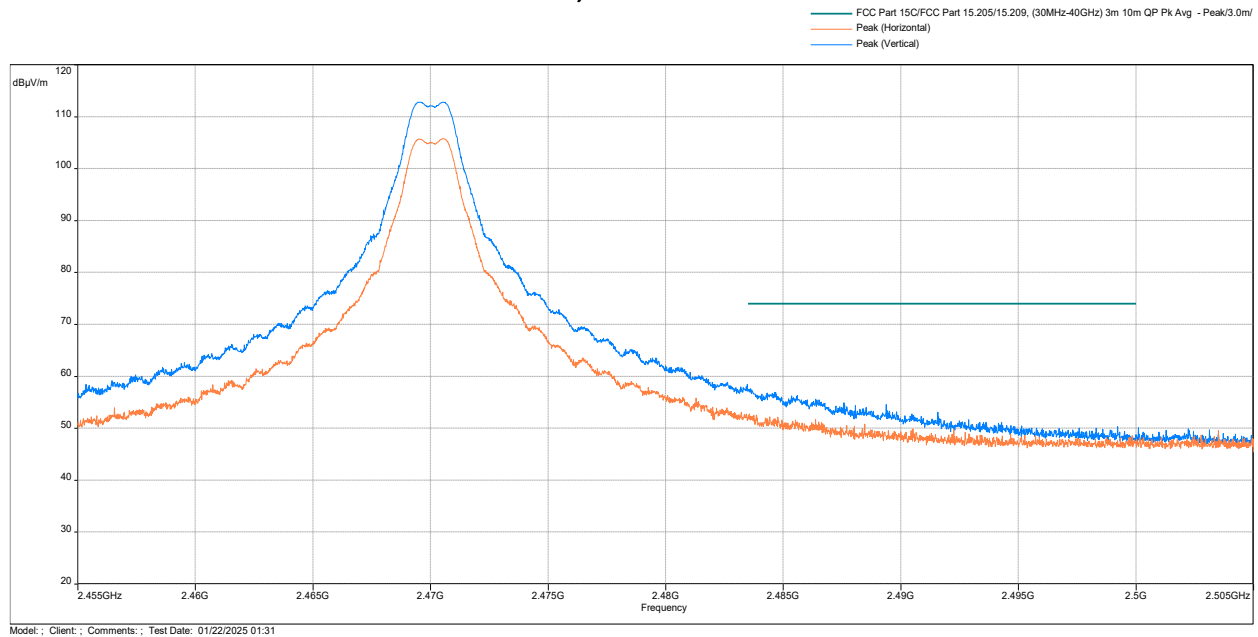


Secondary Antenna
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
2360–2390 MHz, Average Scan with Average Limit

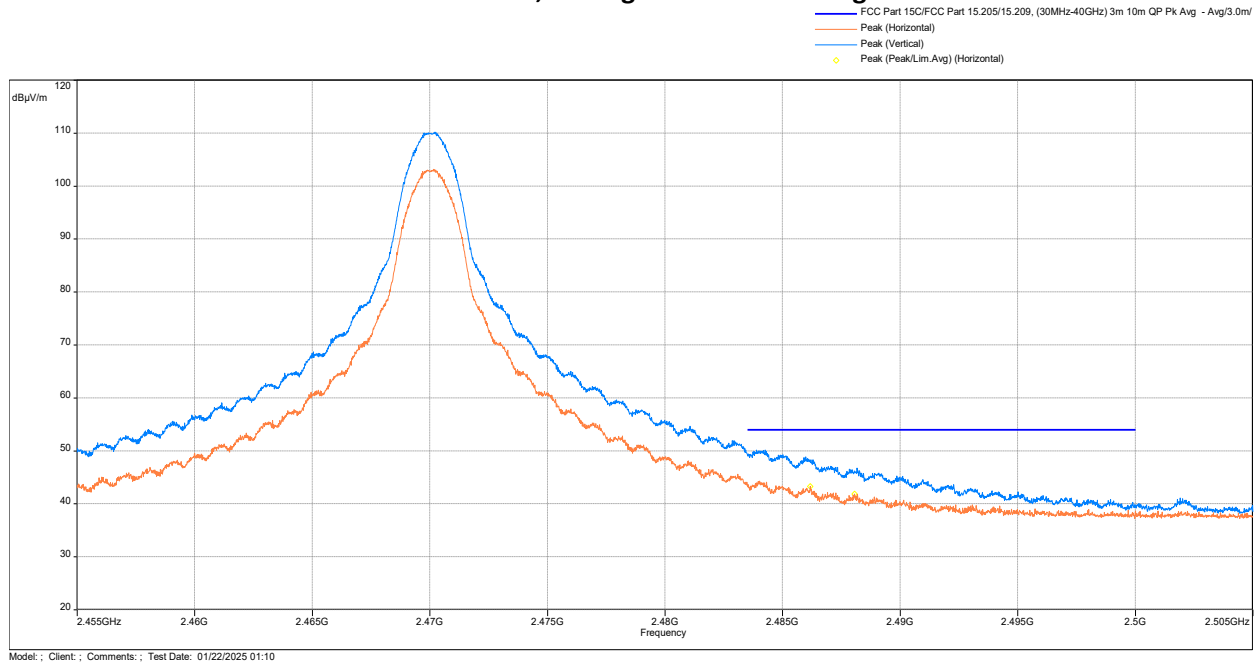


Frequency (MHz)	FS (dB(uV/m))	Ave Limit (dB(uV/m))	Ave Margin (dB)	Azimuth (deg)	Height (m)	Polarity	Peak Reading (dBuV)	RA (dBuV)	Correction (dB)
2390	49.71	54	-4.29	346	1.61	Vertical	58.96	27.8	21.91

Secondary Antenna
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
2483.5–2500 MHz, Peak Scan with Peak Limit



Secondary Antenna
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
2483.5–2500 MHz, Average Scan with Average Limit



Frequency (MHz)	FS (dB(uV/m))	Ave Limit (dB(uV/m))	Ave Margin (dB)	Azimuth (deg)	Height (m)	Polarity	Peak Reading (dBuV)	RA (dBuV)	Correction (dB)
2483.1346	50.17	54	-3.83	343.5	1.01	Vertical	59.04	28.23	21.93

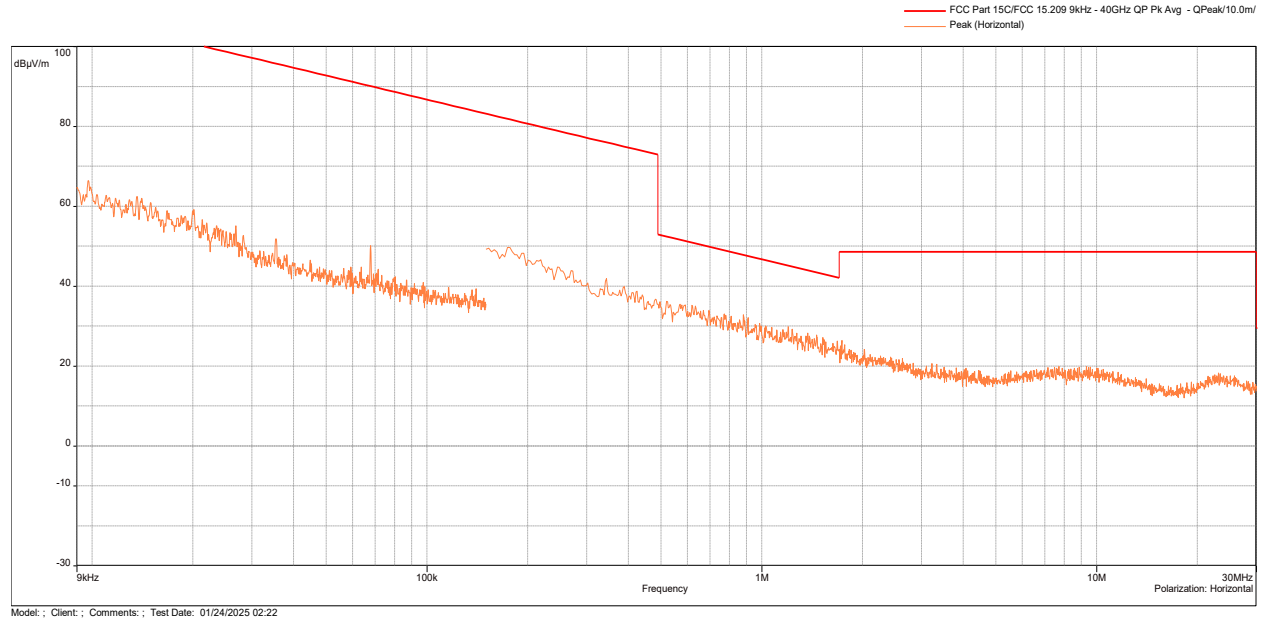
Results

Complies

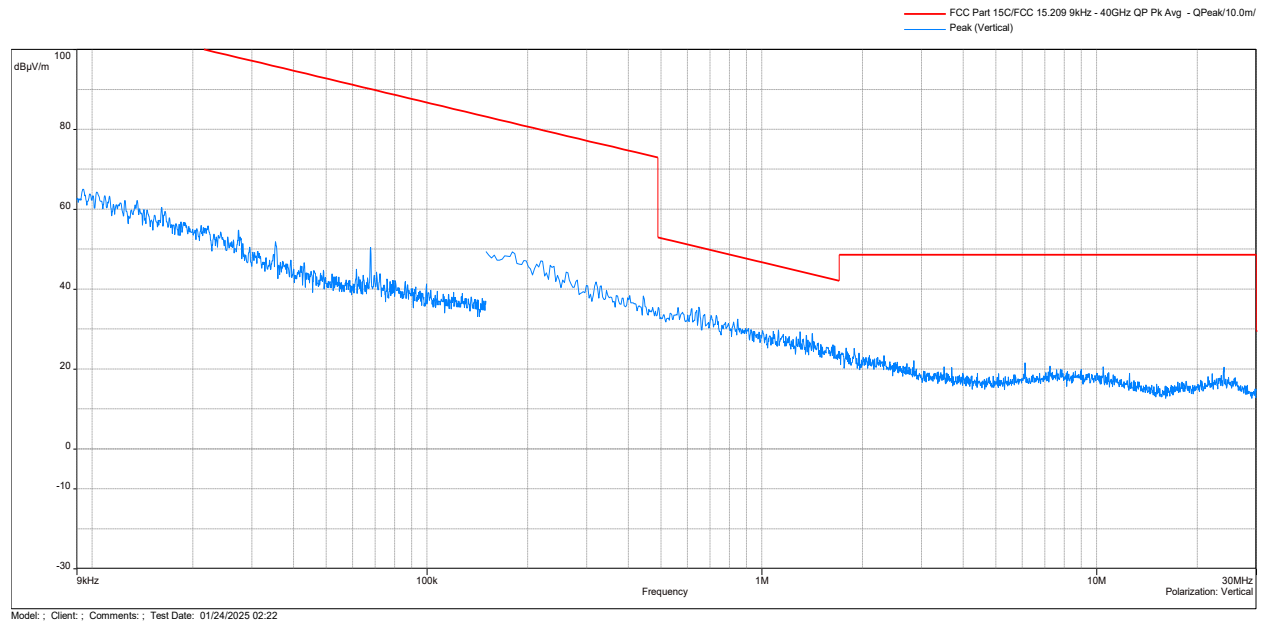
Primary Antenna
Out-of-Band Radiated Spurious Emissions

Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 2405MHz

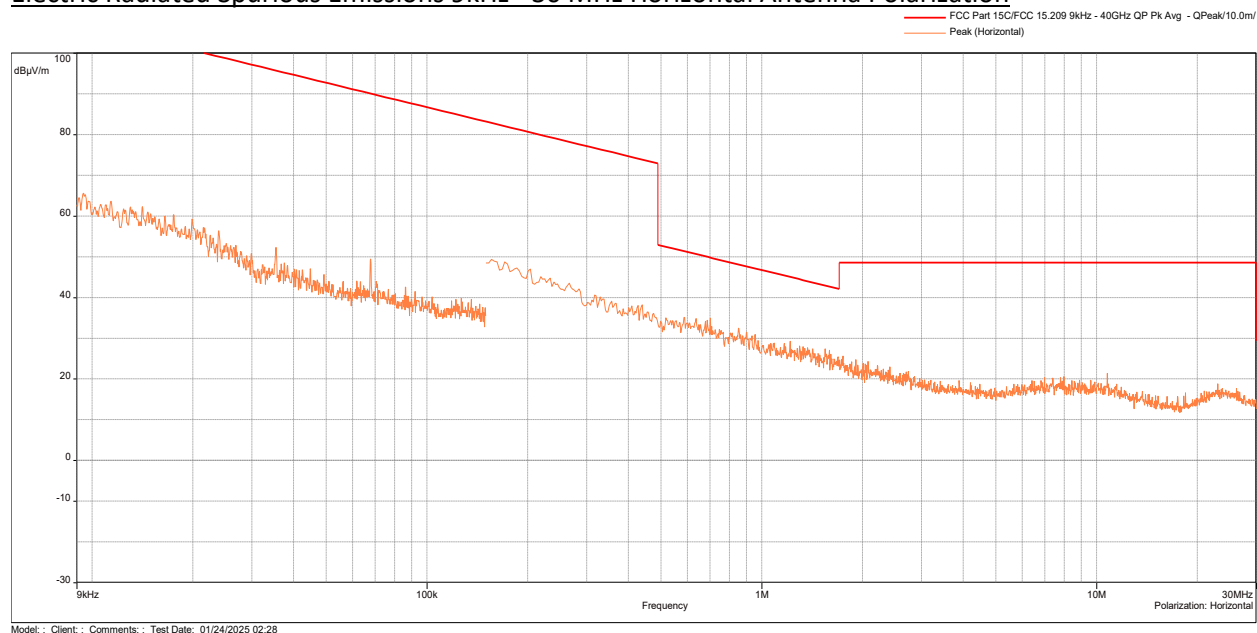
Electric Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



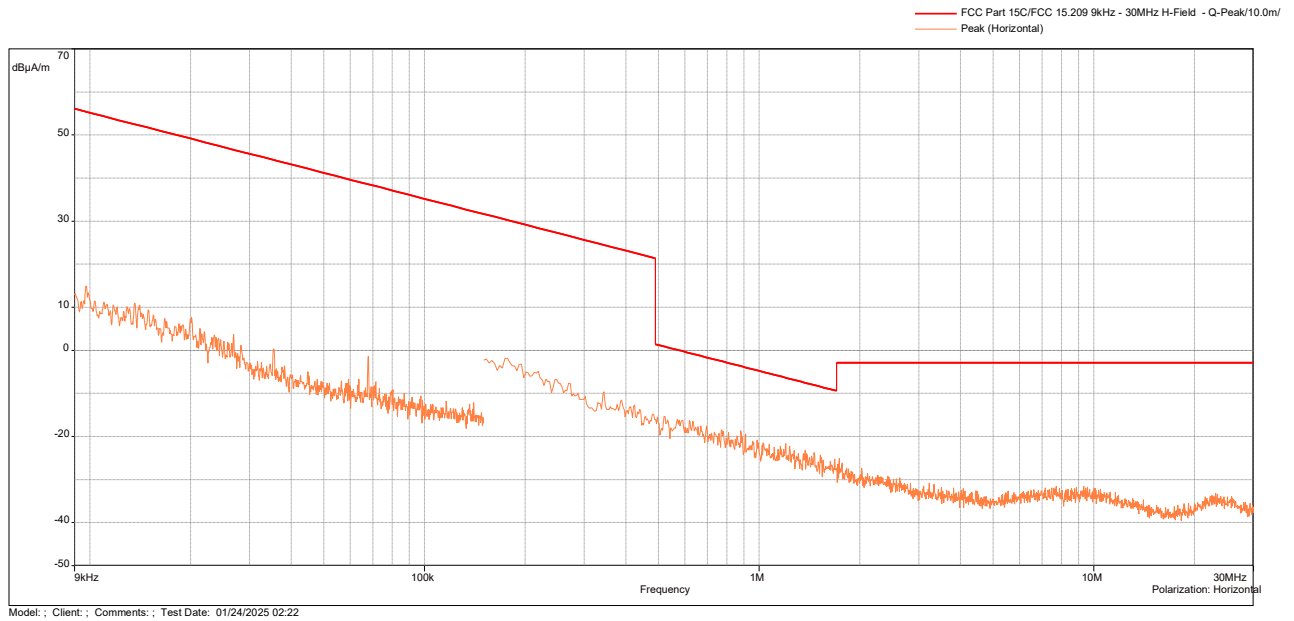
Electric Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



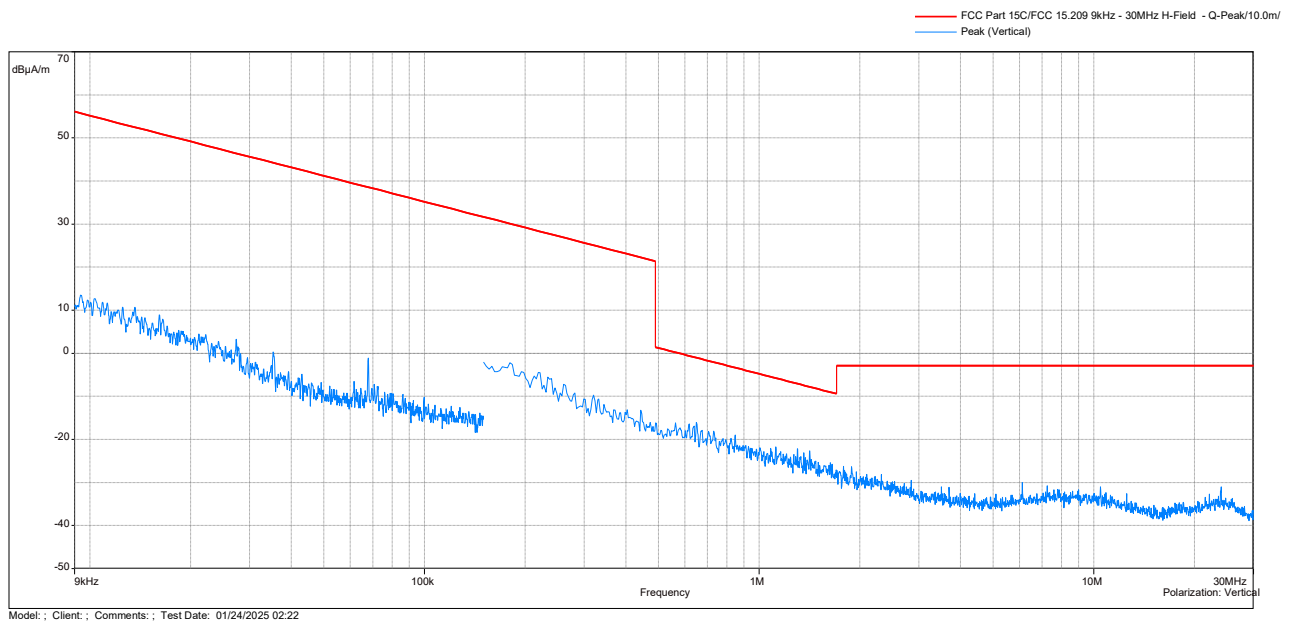
Electric Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



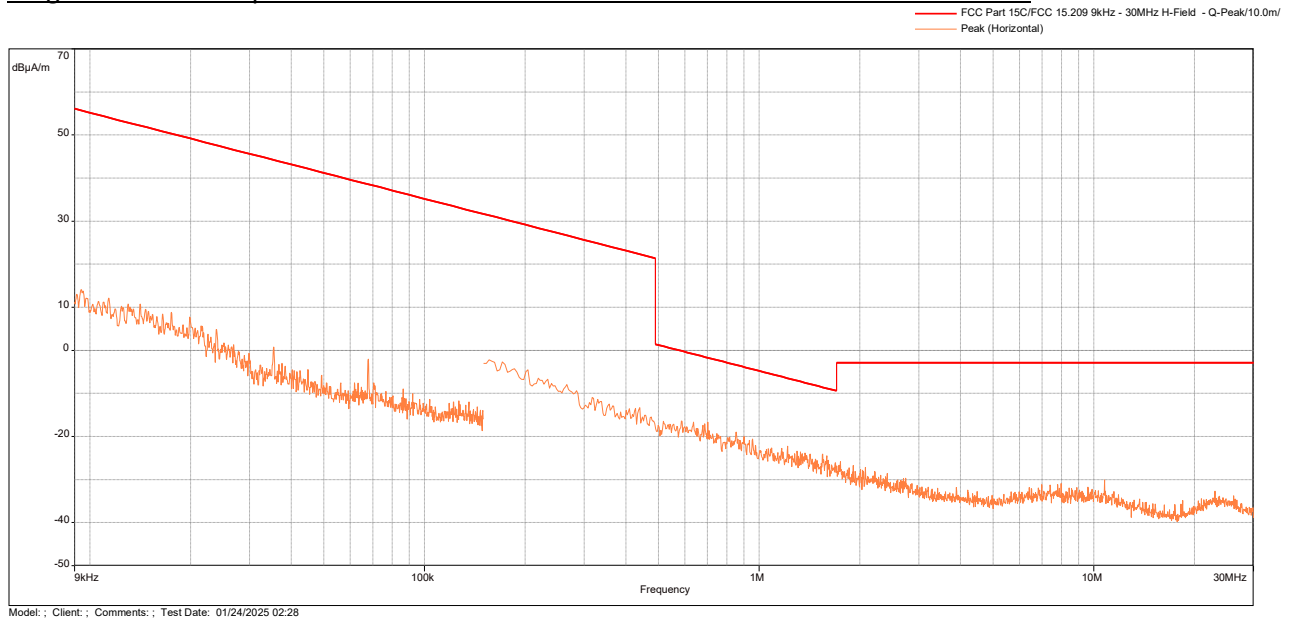
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



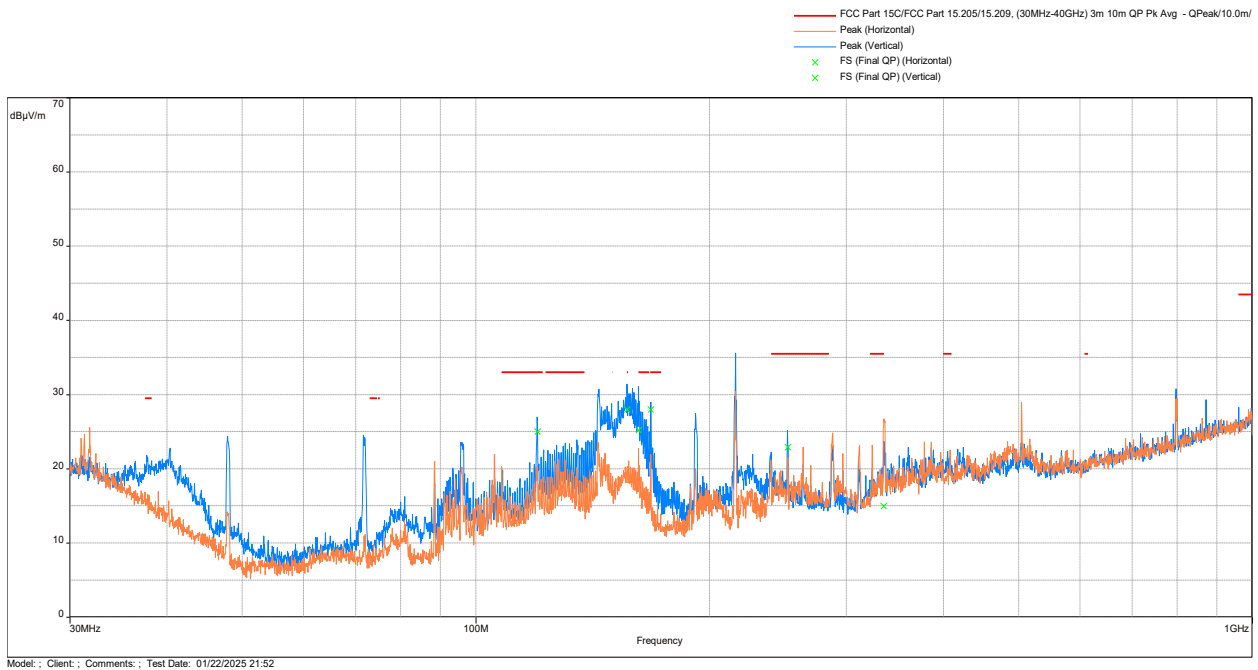
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization

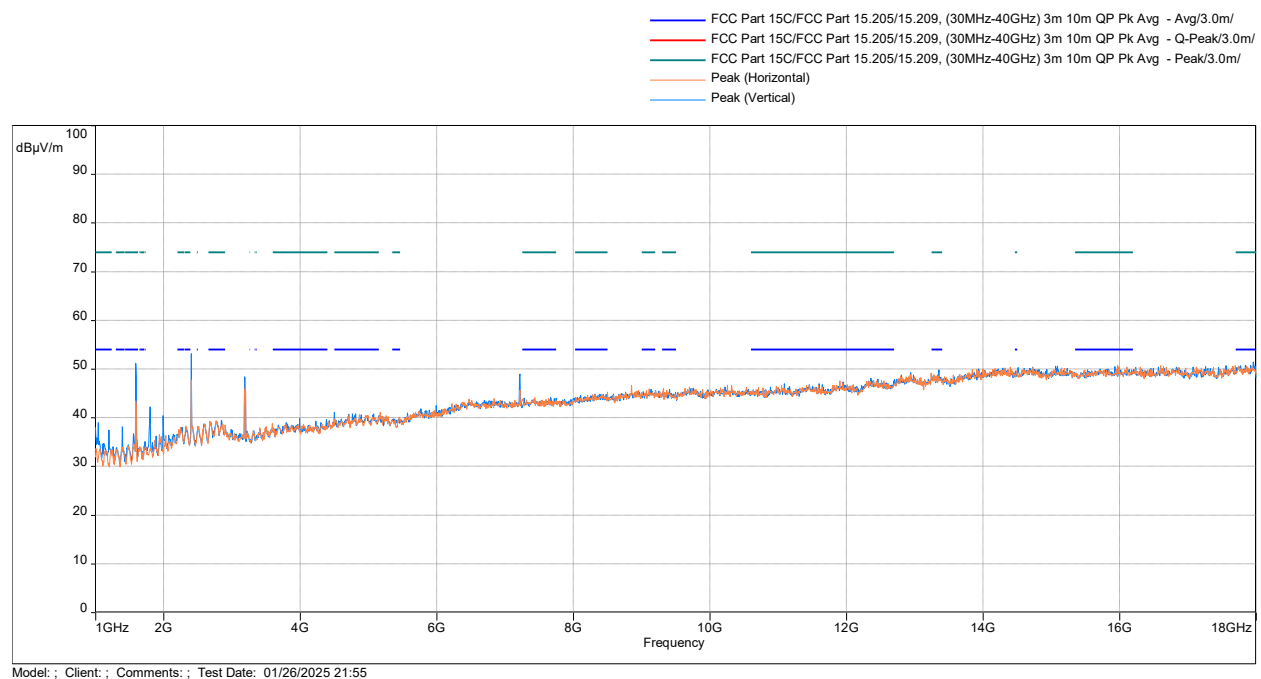


Radiated Spurious Emissions 30 MHz - 1000 MHz

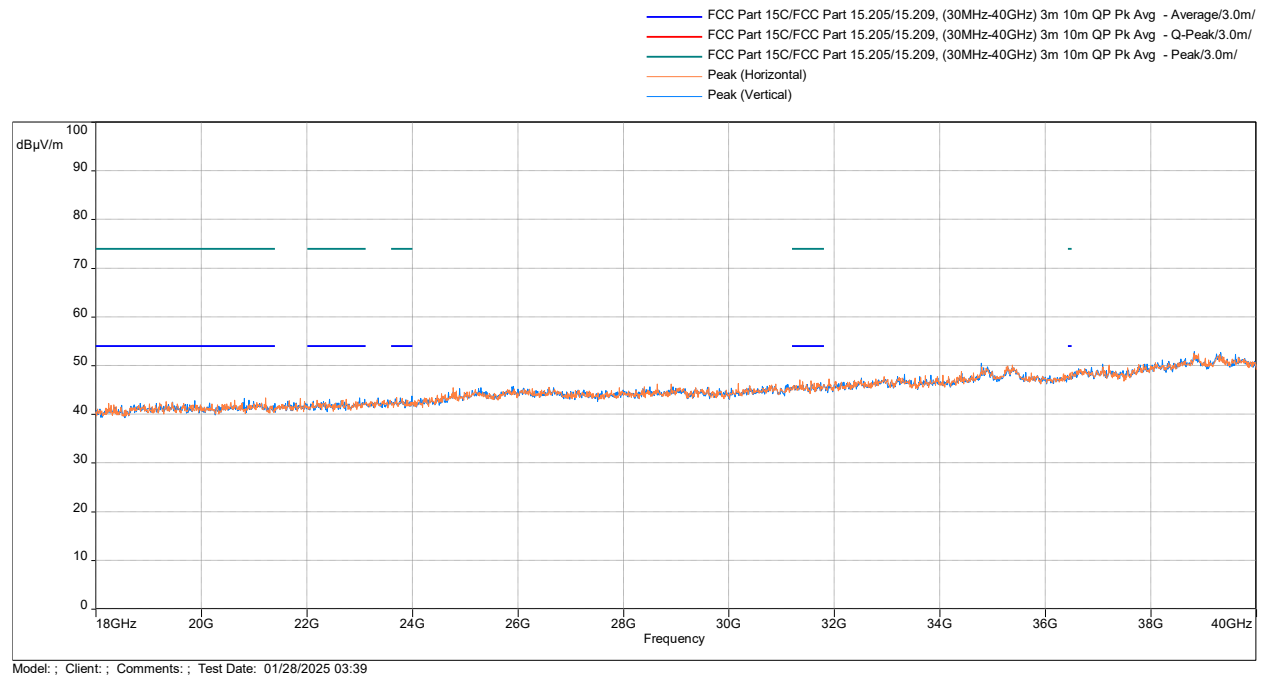


Frequency (MHz)	FS (dBμV/m)	Limit (dB(uV/m))	Margin (dB)	Azimuth (deg)	Height (m)	Polarity	RA (dBuV)	Correction (dB)
120.0026	25	33	-8	156	1.45	Vertical	37.8	-12.79
156.7917	28	33	-5	56.25	1.95	Vertical	42.14	-14.14
162.9978	25.19	33	-7.81	81.25	1.83	Vertical	39.55	-14.35
168.0006	27.99	33	-5.01	64.75	1.28	Vertical	42.55	-14.56
252.2464	22.93	35.5	-12.57	17.5	1.32	Vertical	37.22	-14.3
335.1757	14.96	35.5	-20.54	286.5	2.14	Horizontal	26.51	-11.55

Radiated Spurious Emissions 1000 - 18000 MHz, Peak Scan vs Peak & Average Limit



Radiated Spurious Emissions 18 – 40 GHz, Peak Scan vs Peak & Average Limit

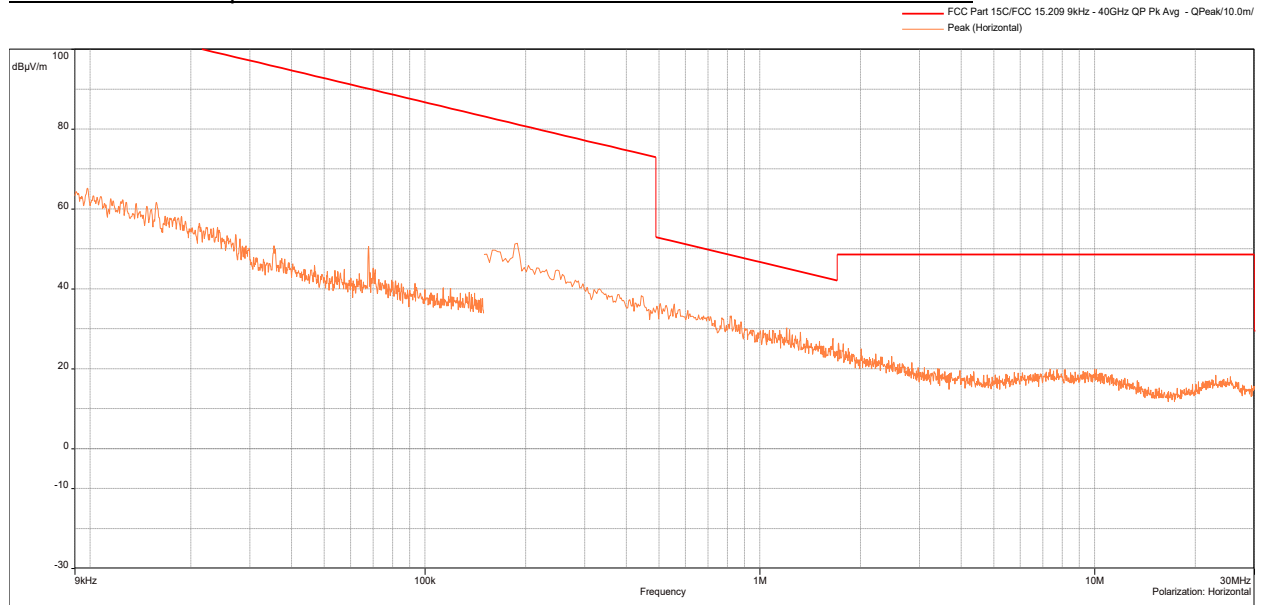


Results

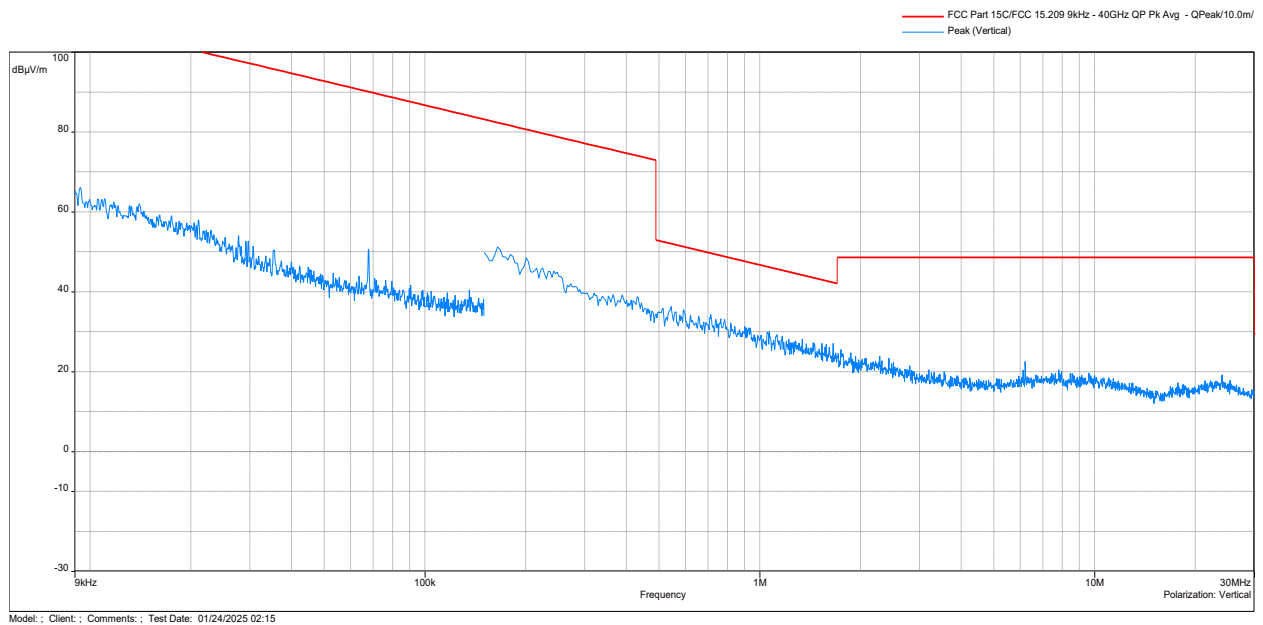
Complies

Test Results: 15.209 Radiated Spurious Emissions Mid Channel, Tx at 2440 MHz

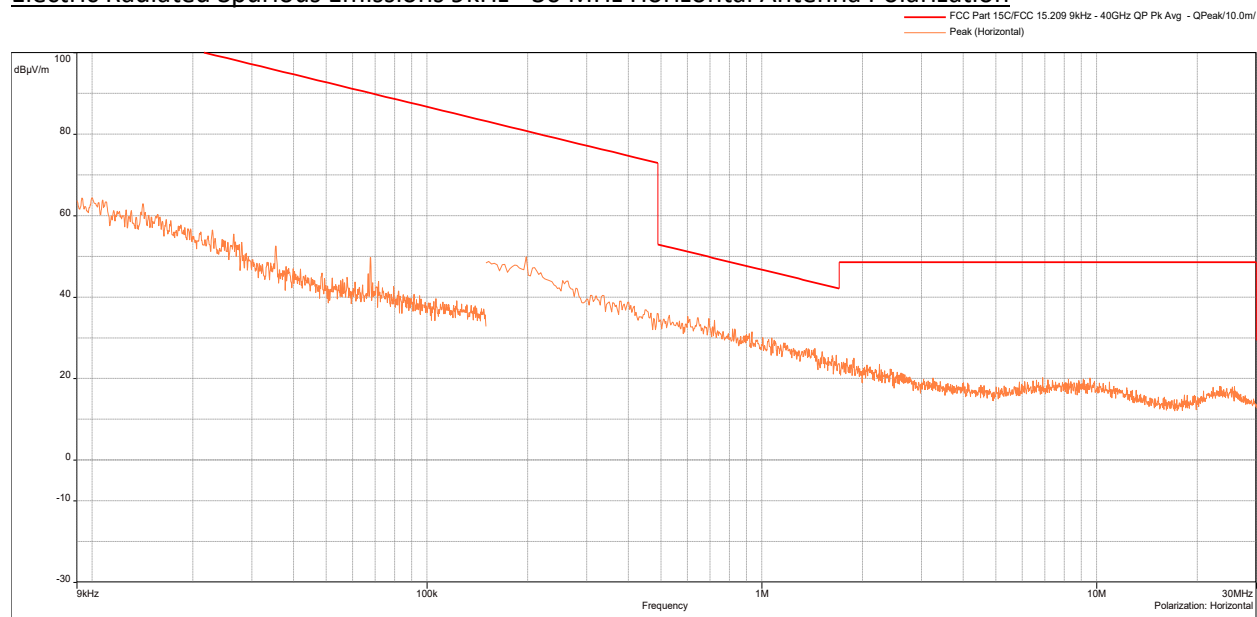
Electric Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



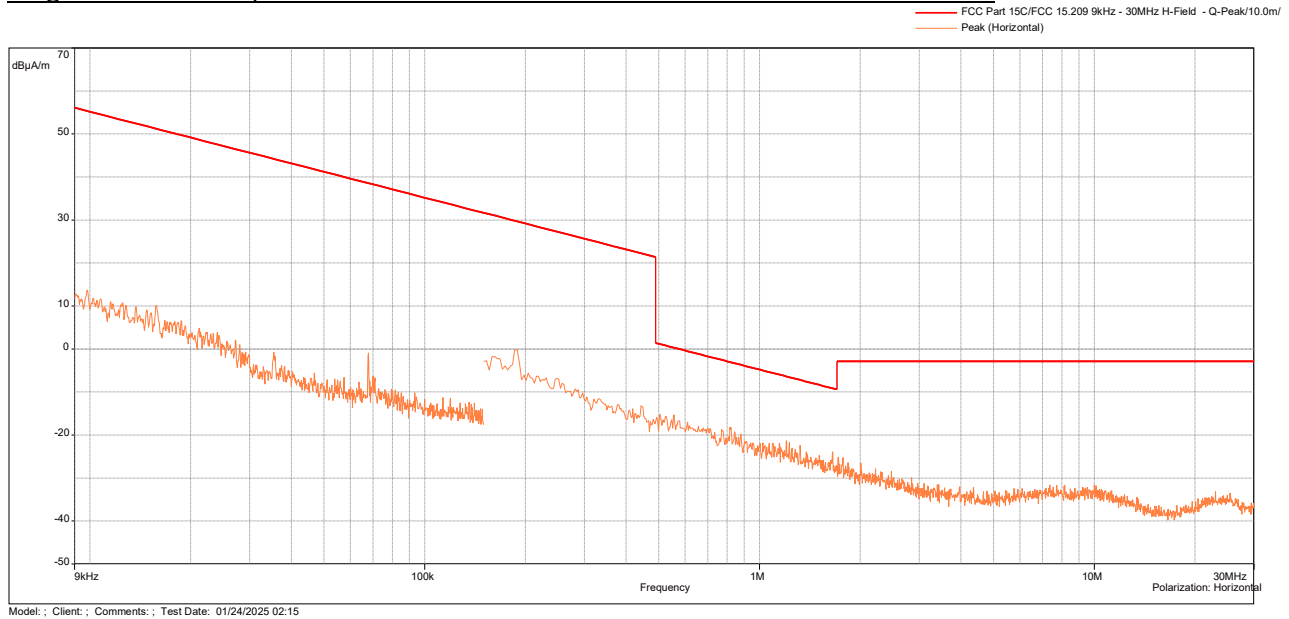
Electric Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



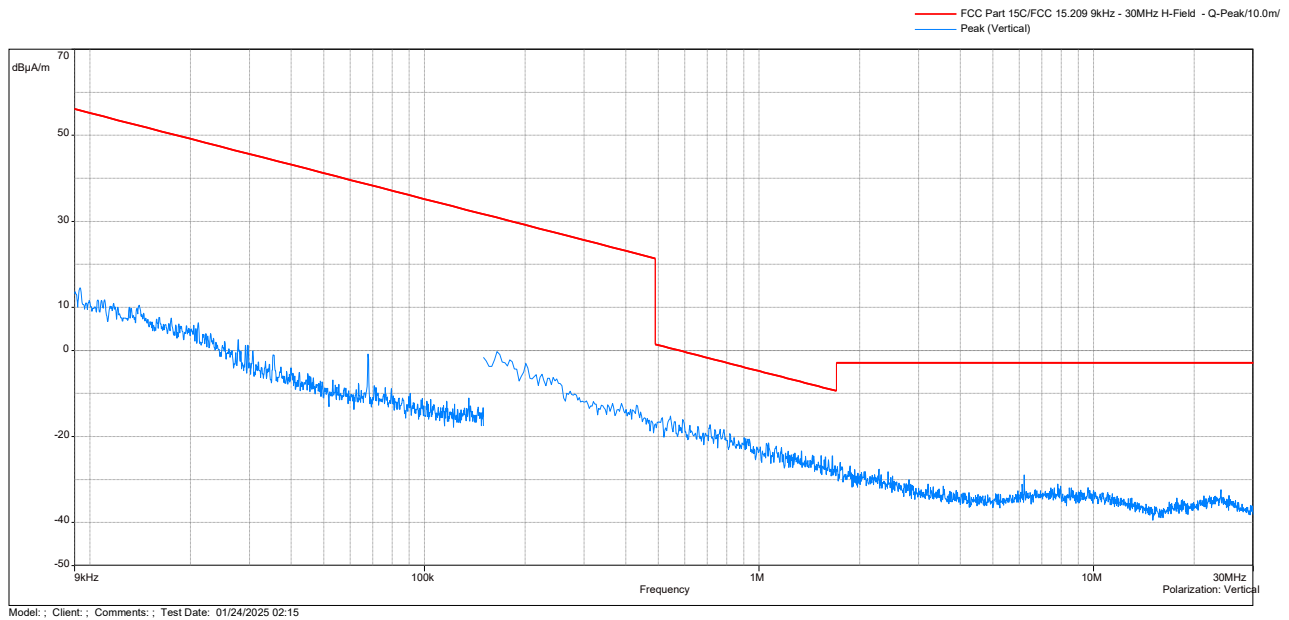
Electric Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



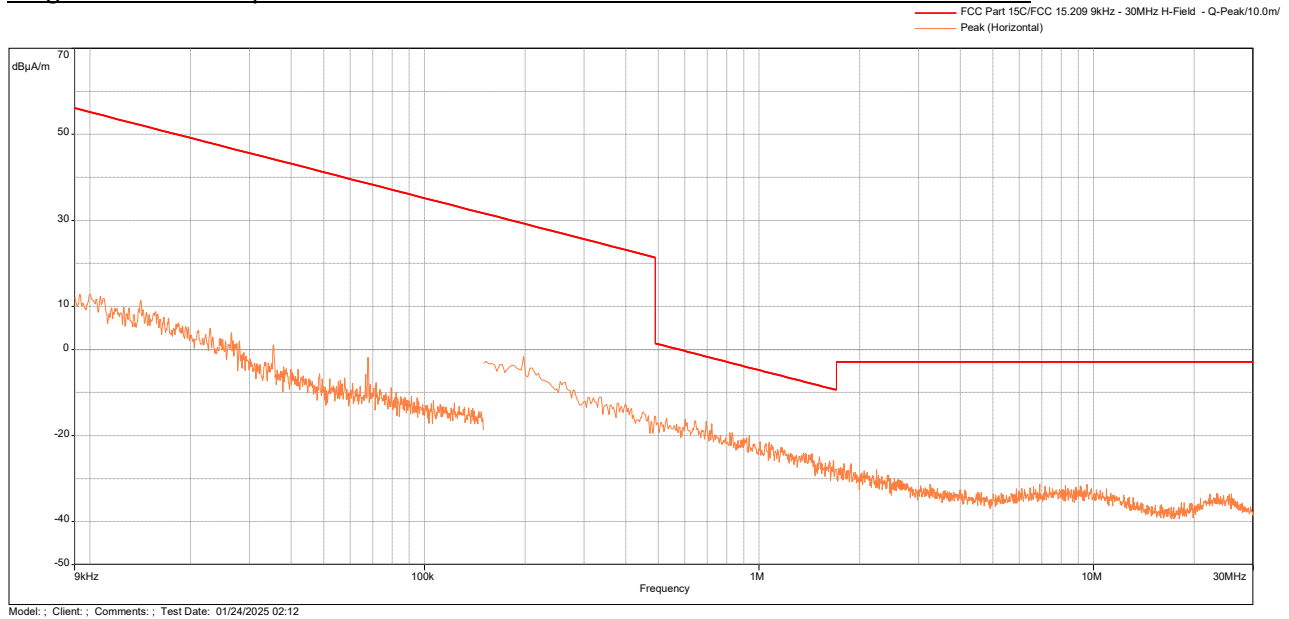
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



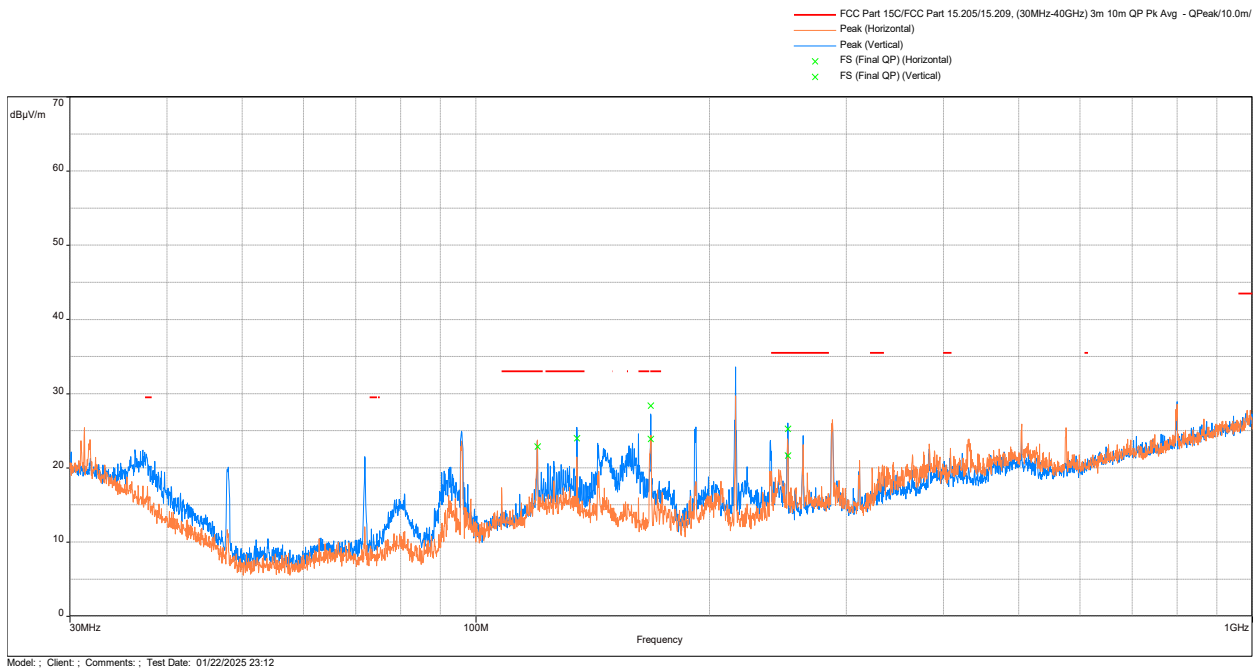
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



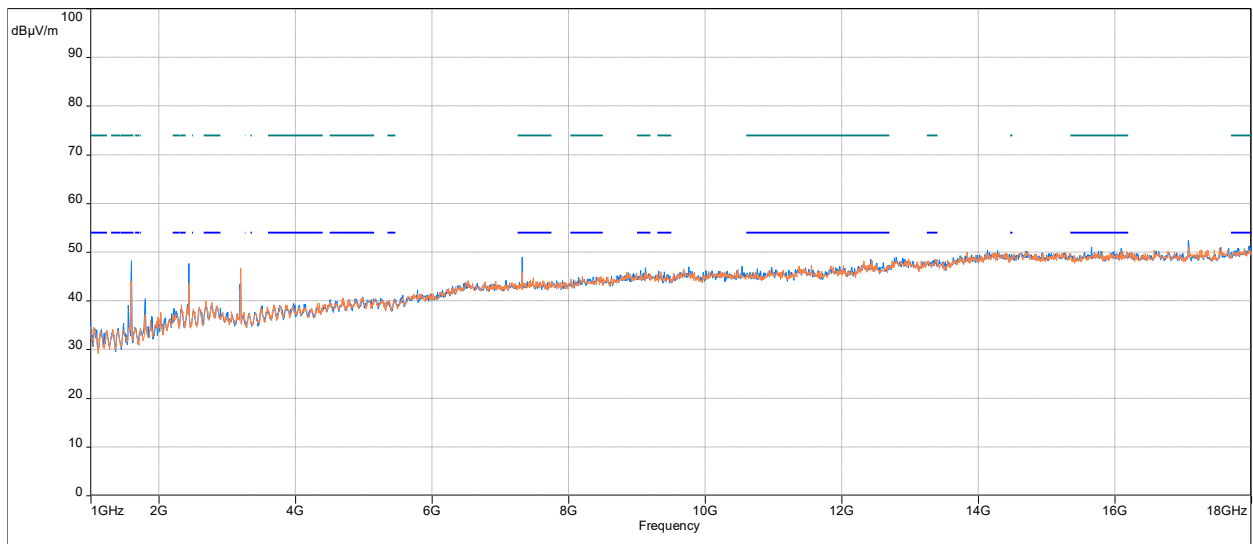
Radiated Spurious Emissions 30 MHz - 1000 MHz



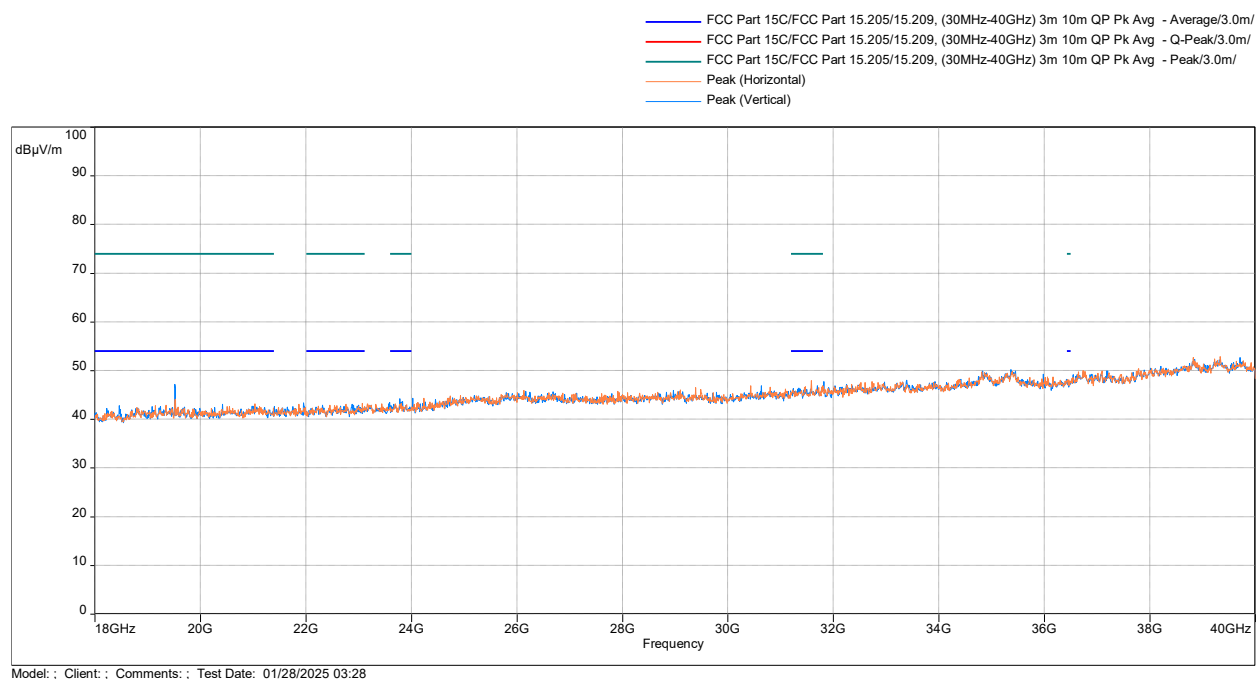
Frequency (MHz)	FS (dBμV/m)	Limit (dB(uV/m))	Margin (dB)	Azimuth (deg)	Height (m)	Polarity	RA (dBuV)	Correction (dB)
120.0032	22.86	33	-10.14	42.25	4	Horizontal	35.65	-12.79
134.9975	23.98	33	-9.02	184	1	Vertical	36.6	-12.62
167.964	23.87	33	-9.13	197	1.63	Horizontal	38.43	-14.56
168.0003	28.39	33	-4.61	48	1.83	Vertical	42.95	-14.56
252.148	25.24	35.5	-10.26	7	1.39	Vertical	39.54	-14.3
252.2734	21.67	35.5	-13.83	258.25	2.48	Horizontal	35.96	-14.3

Radiated Spurious Emissions 1000 - 18000 MHz, Peak Scan vs Peak & Average Limit

— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Avg/3.0m/
 — FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
 — FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
 — Peak (Horizontal)
 — Peak (Vertical)



Radiated Spurious Emissions 18 – 40 GHz, Peak Scan vs Peak & Average Limit

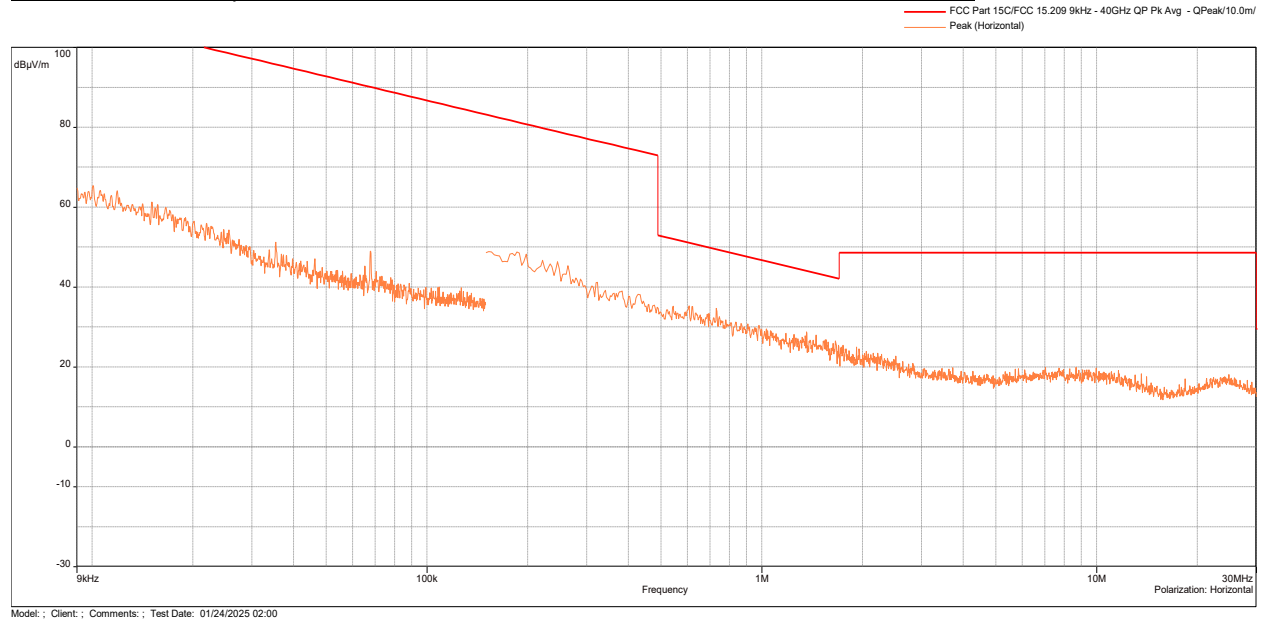


Results

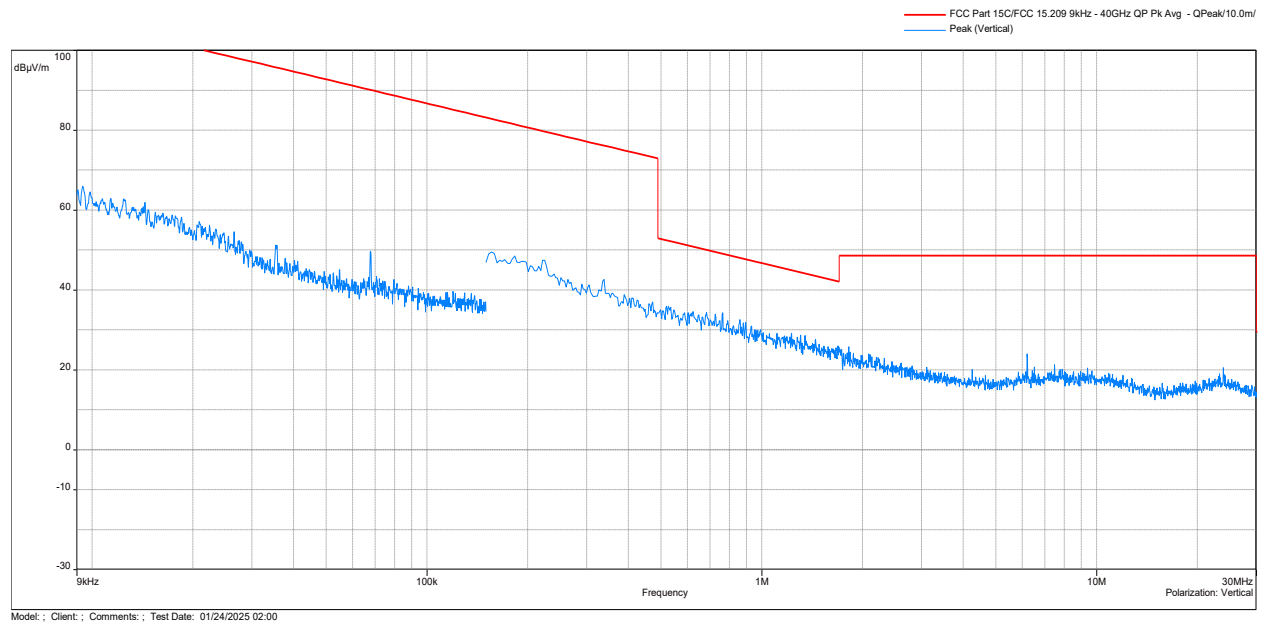
Complies

Test Results: 15.209 Radiated Spurious Emissions High Channel, Tx at 2470MHz

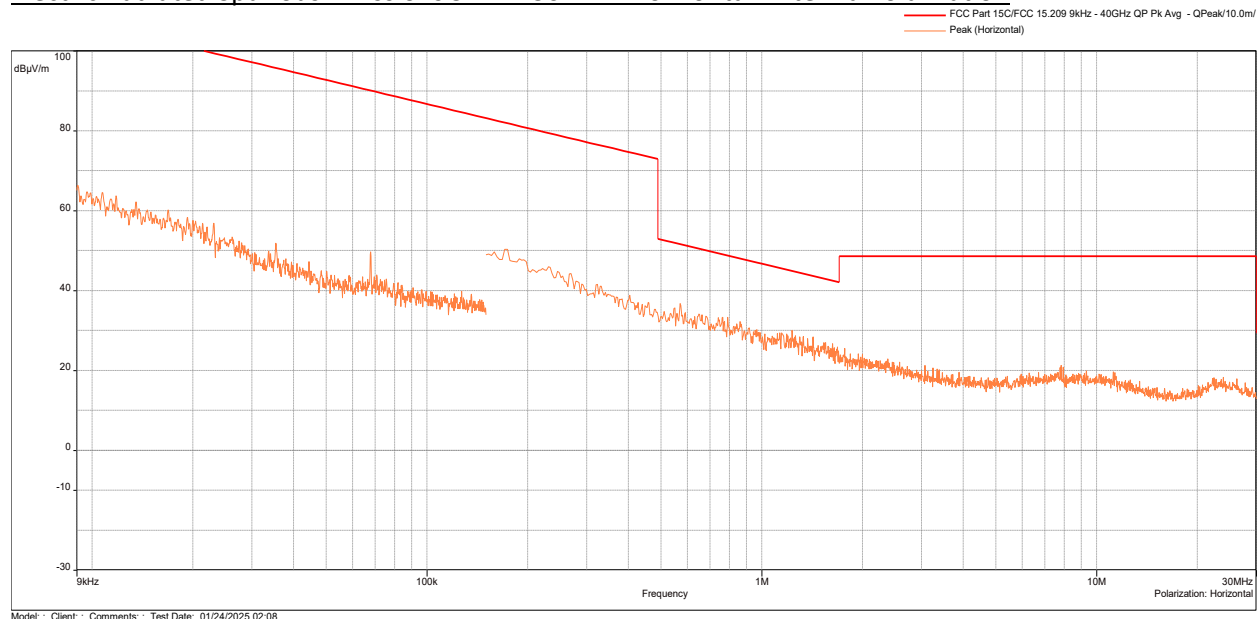
Electric Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



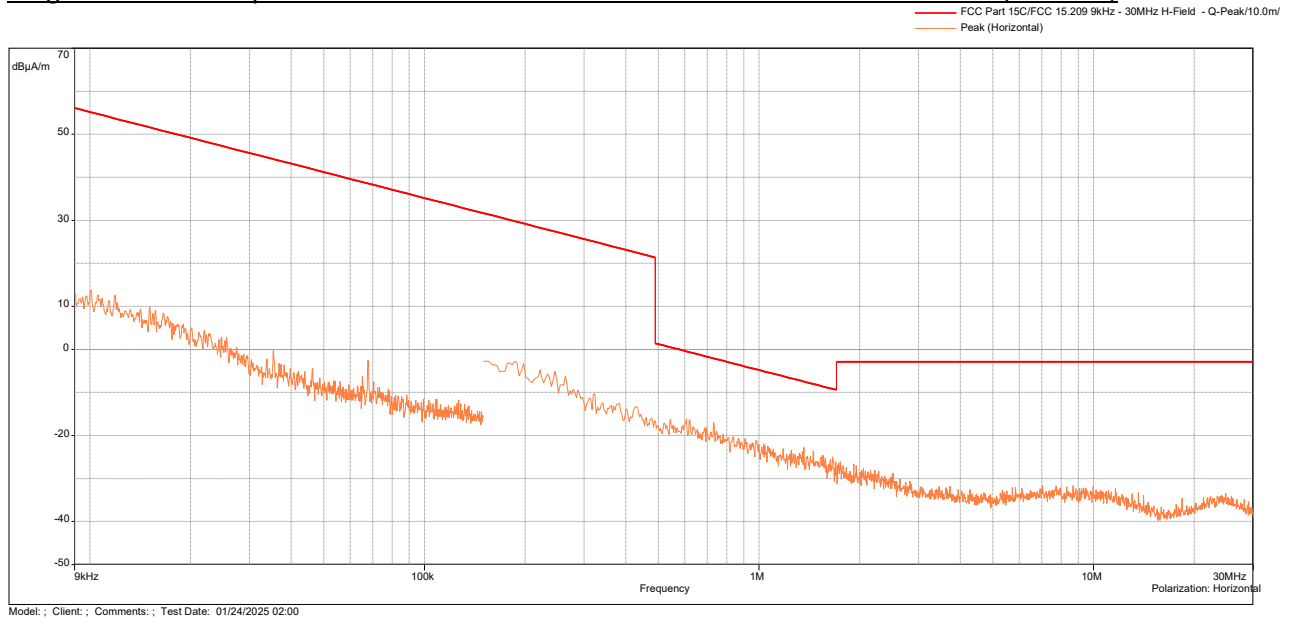
Electric Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



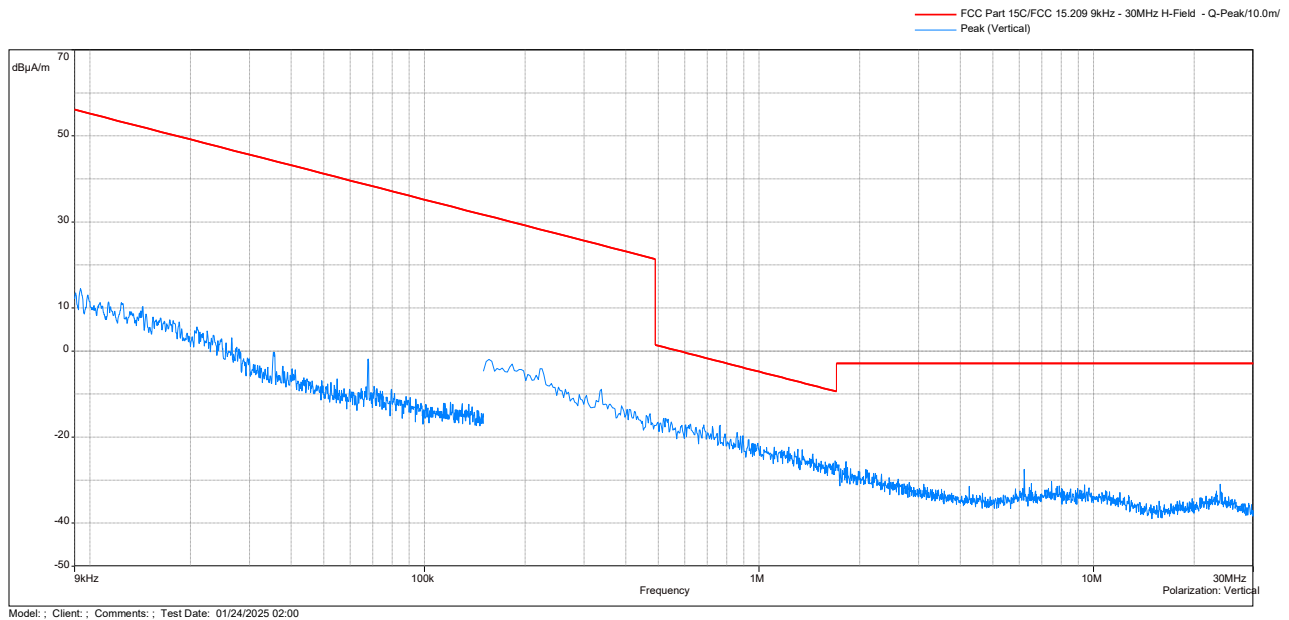
Electric Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



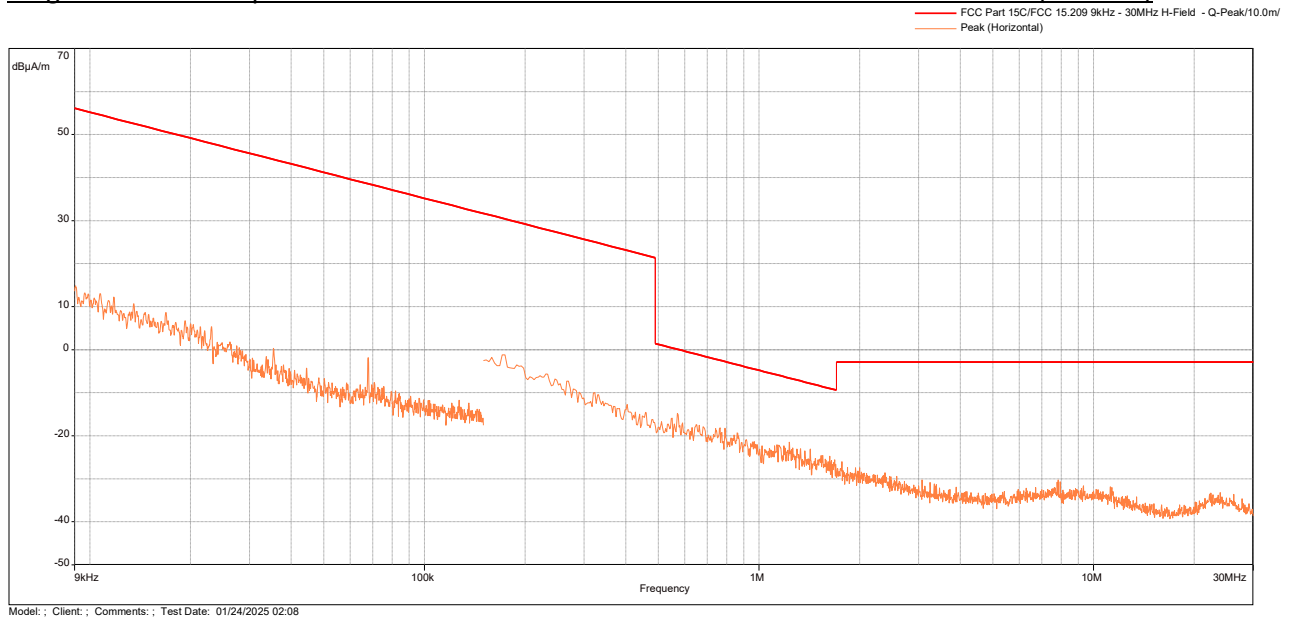
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization (Power 9)



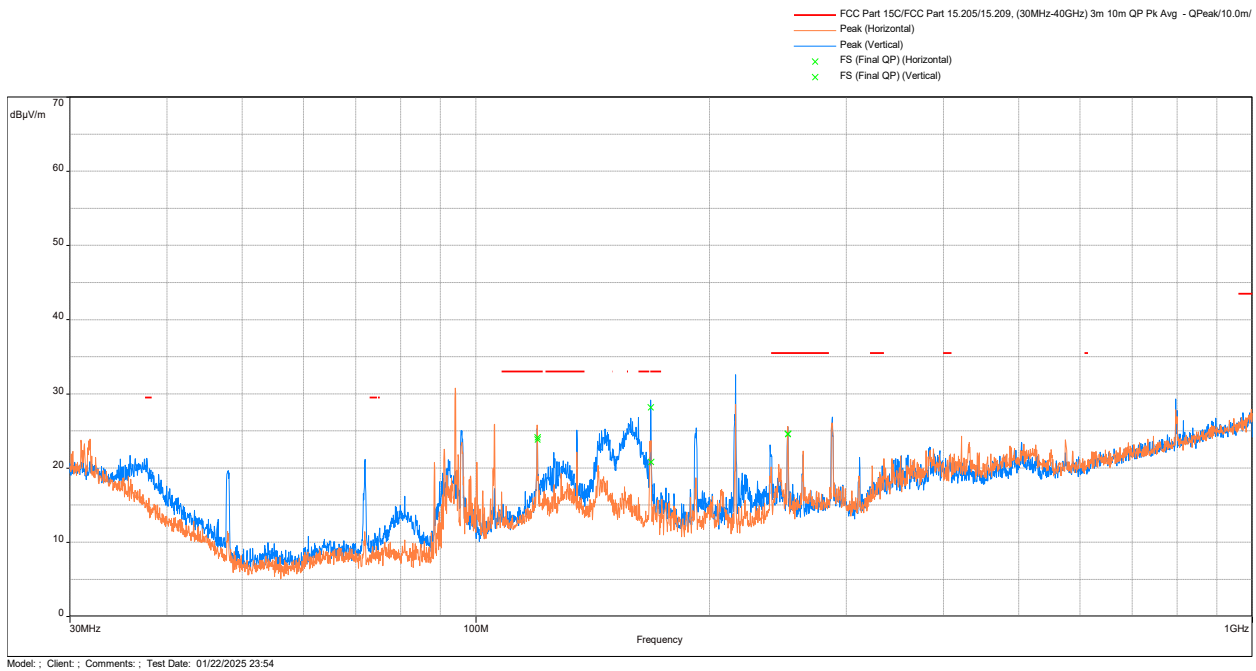
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization (Power 9)



Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization (Power 9)

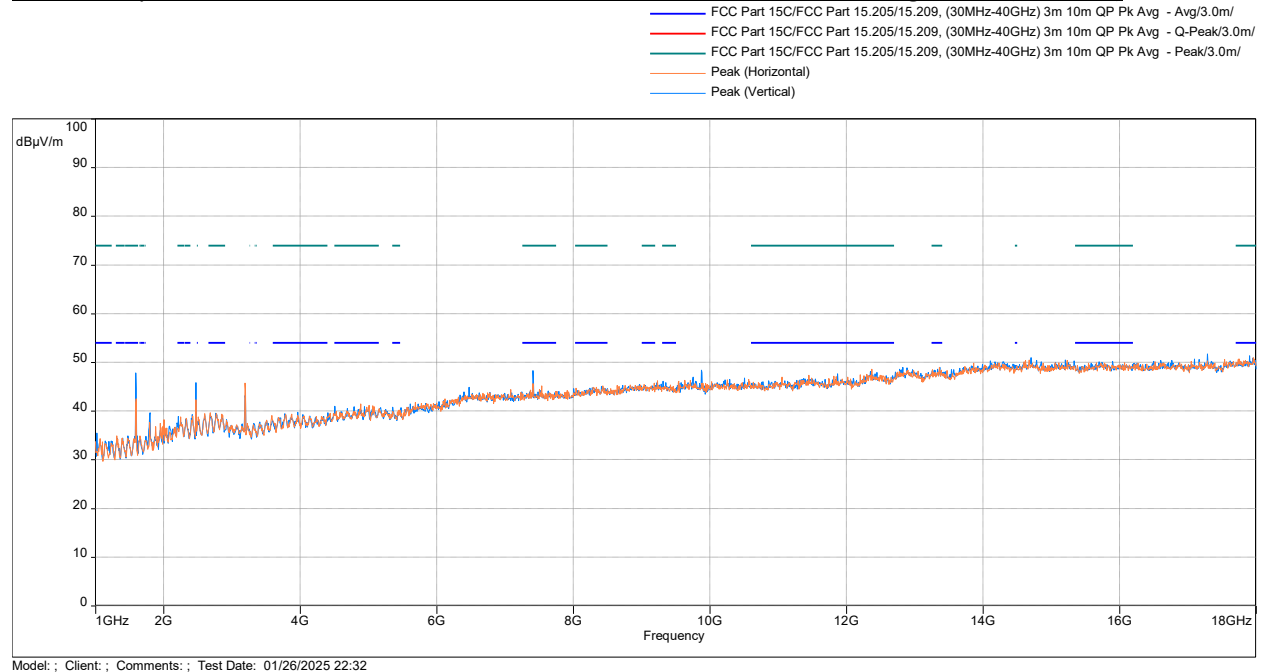


Radiated Spurious Emissions 30 MHz - 1000 MHz (Power 9)

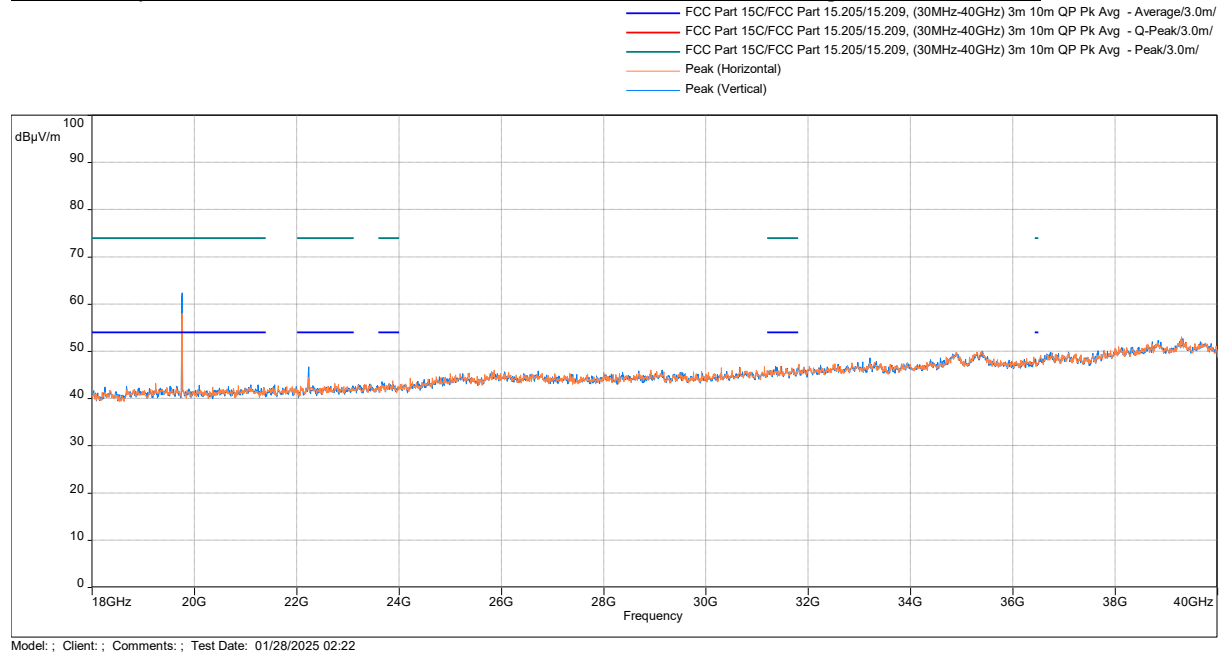


Frequency (MHz)	FS (dB μ V/m)	Limit (dB(μ V/m))	Margin (dB)	Azimuth (deg)	Height (m)	Polarity	RA (dB μ V)	Correction (dB)
120.0026	24.12	33	-8.88	155.25	1.23	Vertical	36.91	-12.79
120.0026	23.84	33	-9.16	204	1.61	Horizontal	36.64	-12.79
168.0019	28.19	33	-4.81	52.5	2.01	Vertical	42.74	-14.56
168.0887	20.82	33	-12.18	203.25	3.79	Horizontal	35.38	-14.56
252.1389	24.59	35.5	-10.91	140.5	1	Vertical	38.88	-14.29
252.2889	24.64	35.5	-10.86	51.75	2.46	Horizontal	38.94	-14.3

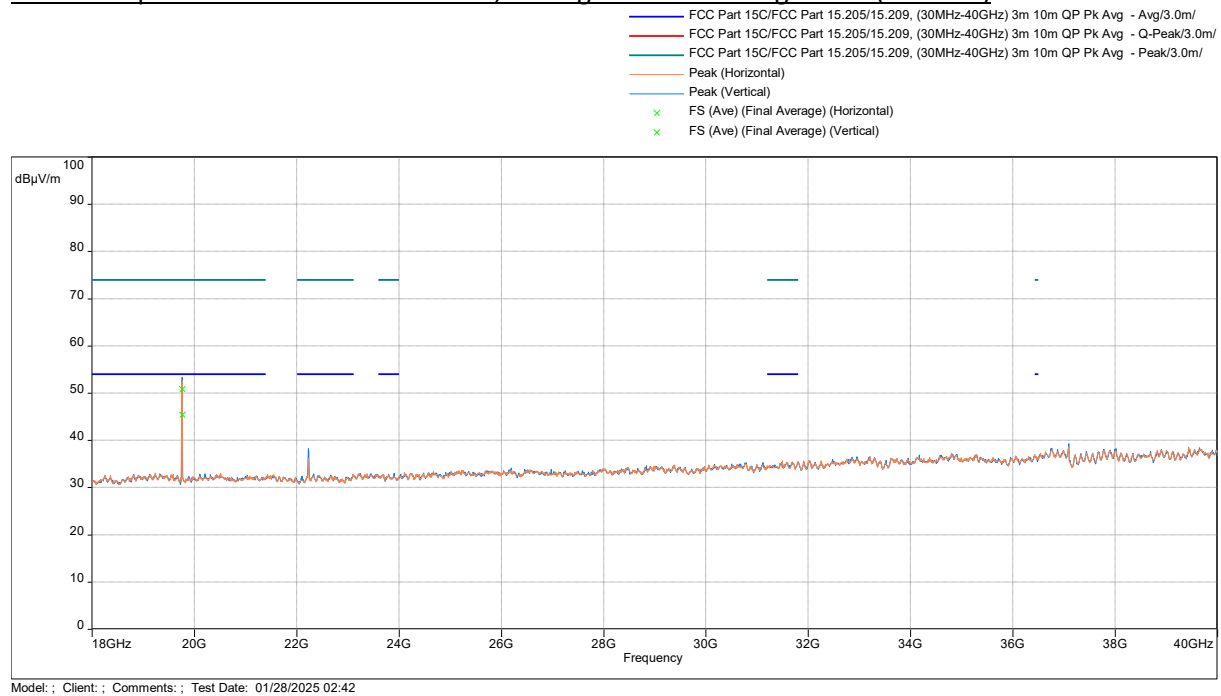
Radiated Spurious Emissions 1000 - 18000 MHz, Peak Scan vs Peak & Average Limit (Power 9)



Radiated Spurious Emissions 18 - 40 GHz, Peak Scan vs Peak & Average Limit (Power 9)



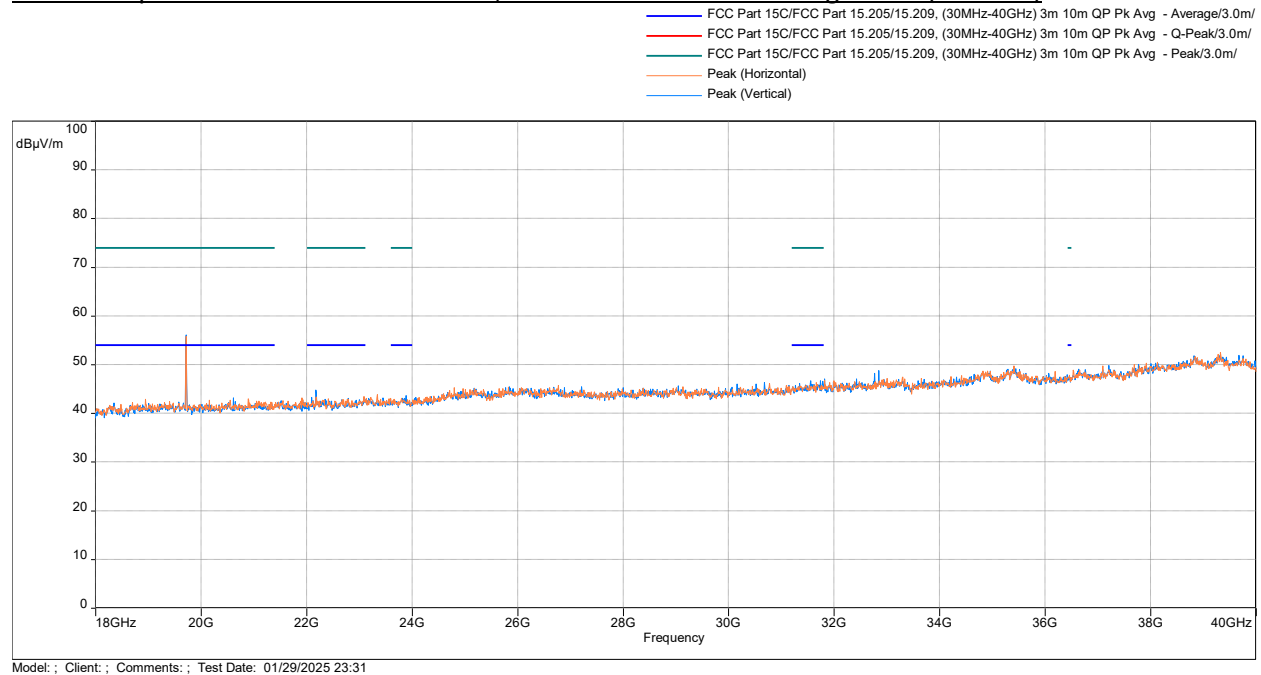
Radiated Spurious Emissions 18 - 40 GHz, Average Scan vs Average Limit (Power 8)



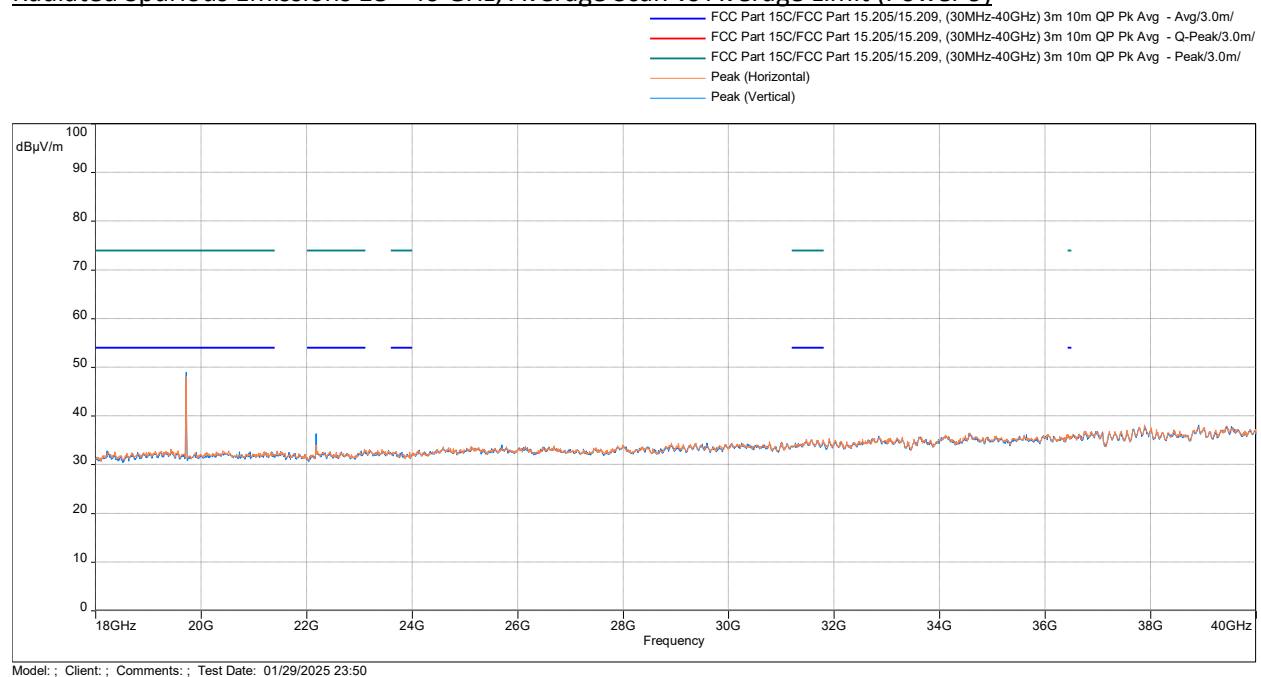
Frequency (MHz)	FS (dB(uV/m))	Ave Limit (dB(uV/m))	Ave Margin (dB)	Azimuth (deg)	Height (m)	Polarity	Peak Reading (dBuV)	RA (dBuV)	Correction (dB)
19764.35	50.85	54	-3.15	95.82	1.24	58.6	Vertical	59.09	-8.24
19764.36	45.48	54	-8.52	78.33	2.77	53.91	Horizontal	53.72	-8.24

Test Results: 15.209 Radiated Spurious Emissions Tx at 2465MHz

Radiated Spurious Emissions 18 - 40 GHz, Peak Scan vs Peak & Average Limit (Power 9)



Radiated Spurious Emissions 18 - 40 GHz, Average Scan vs Average Limit (Power 9)



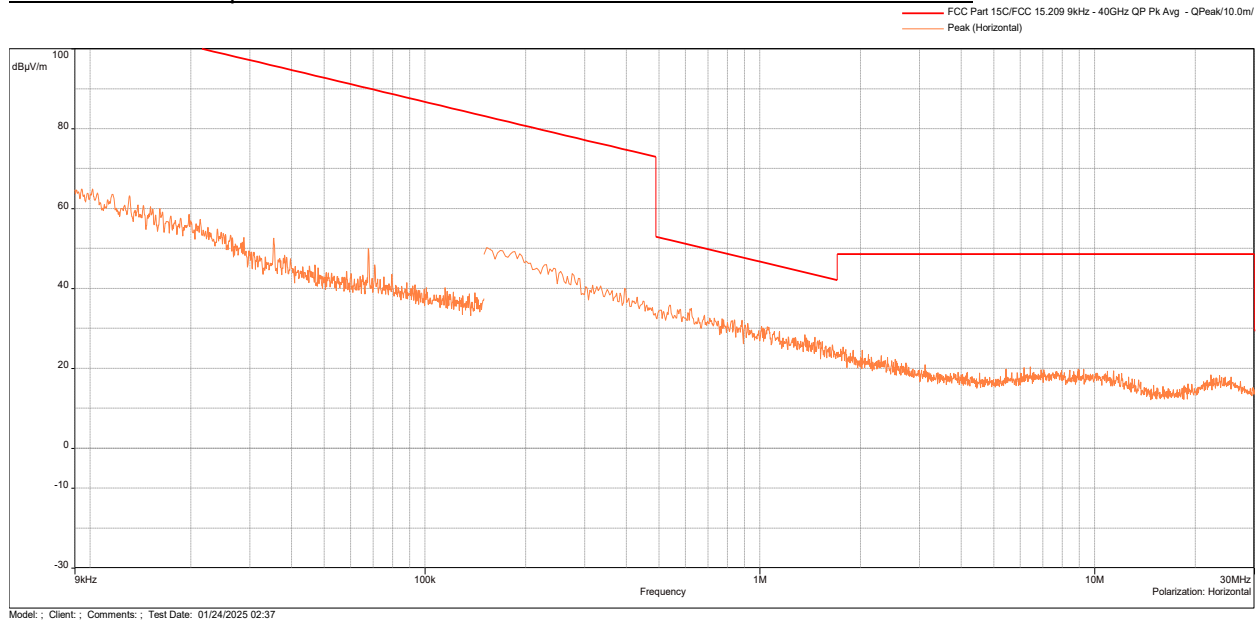
Frequency (MHz)	Peak (dBμV/m)	Lim.Avg (dBμV/m)	Peak-Lim.Avg (dB)	Height (m)	Angle (°)	Polarity	Correction (dB)
19716	48.99	54	-5.01	2.5	45.66	Vertical	-8.24
19716	48.06	54	-5.94	2.5	93.93	Horizontal	-8.24

Results	Complies
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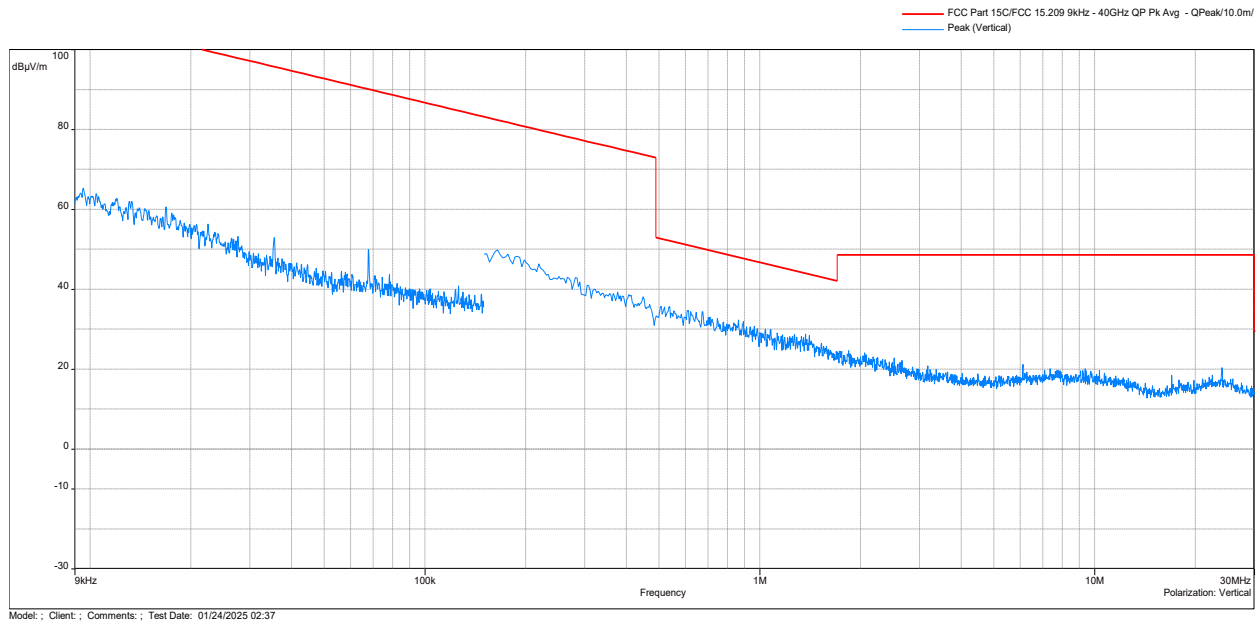
Secondary Antenna
Out-of-Band Radiated Spurious Emissions

Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 2405MHz

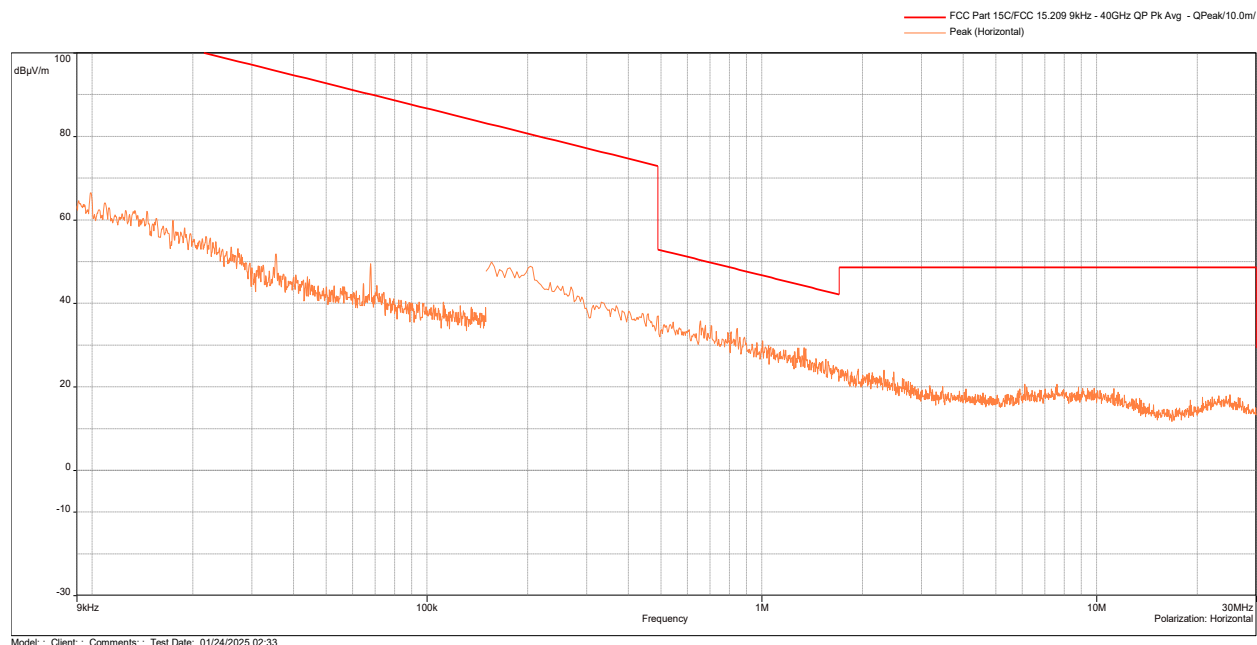
Electric Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



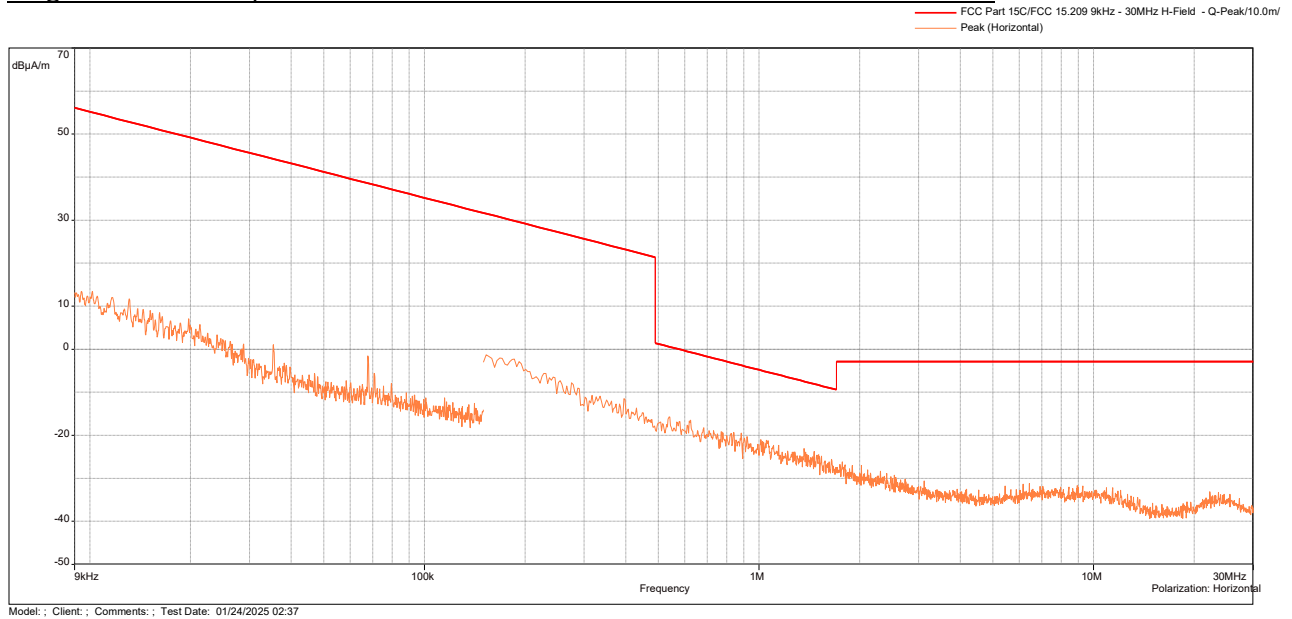
Electric Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



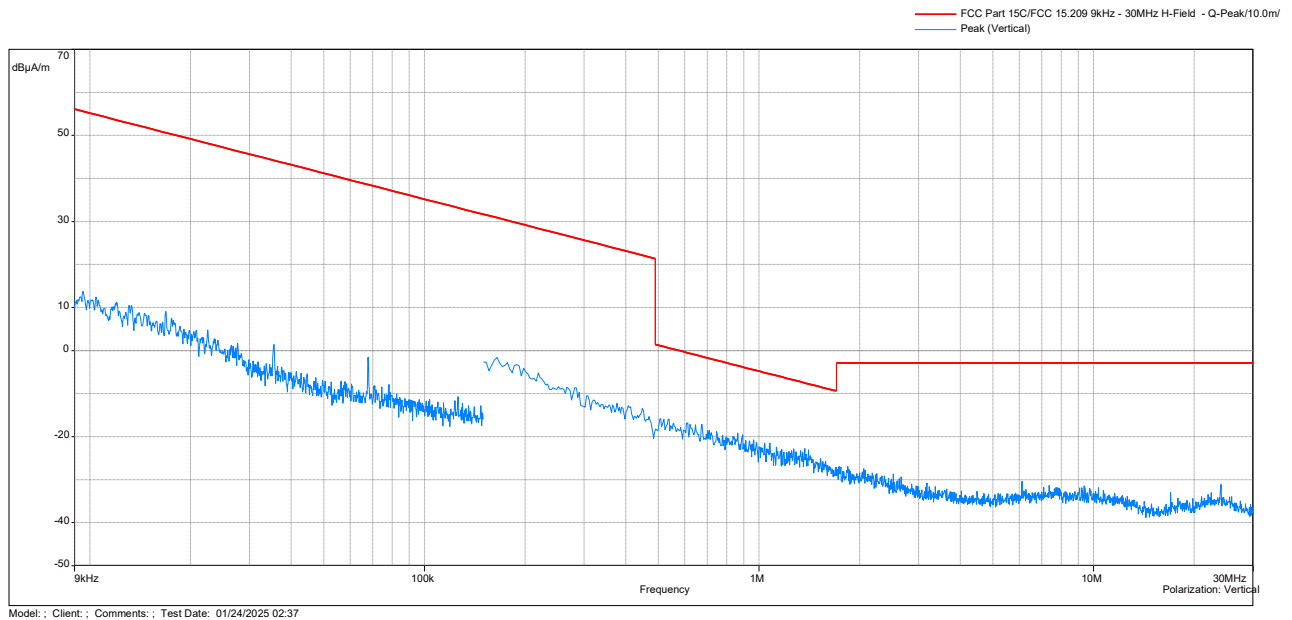
Electric Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



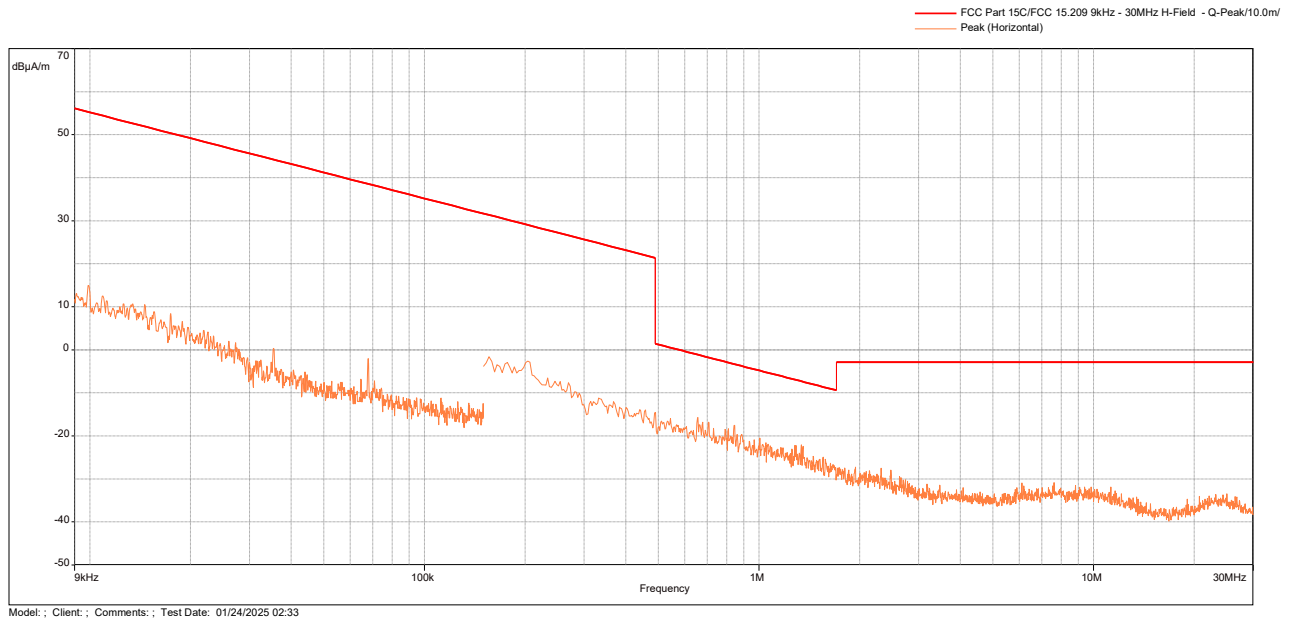
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



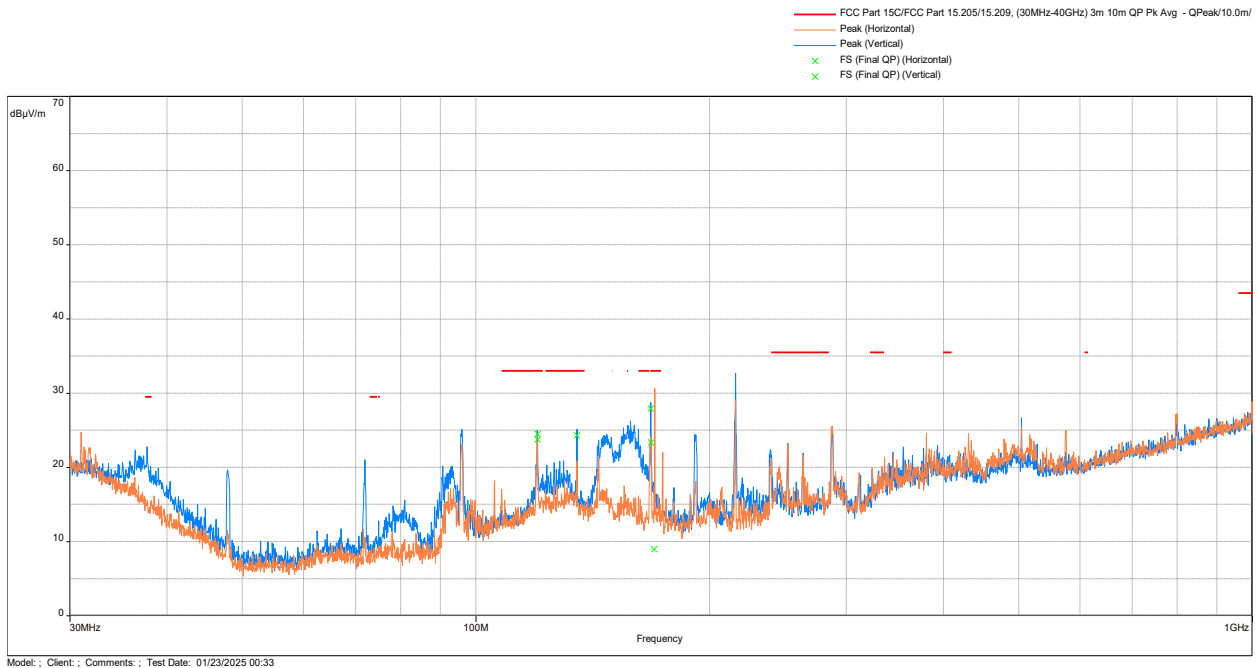
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization

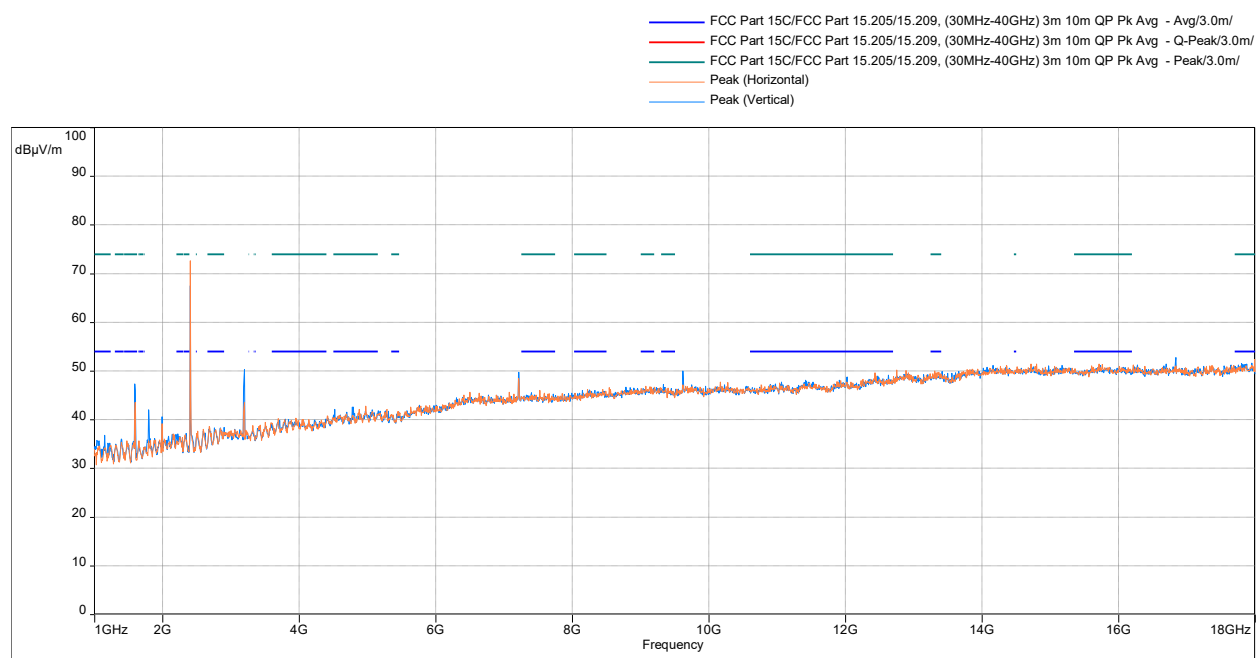


Radiated Spurious Emissions 30 MHz - 1000 MHz

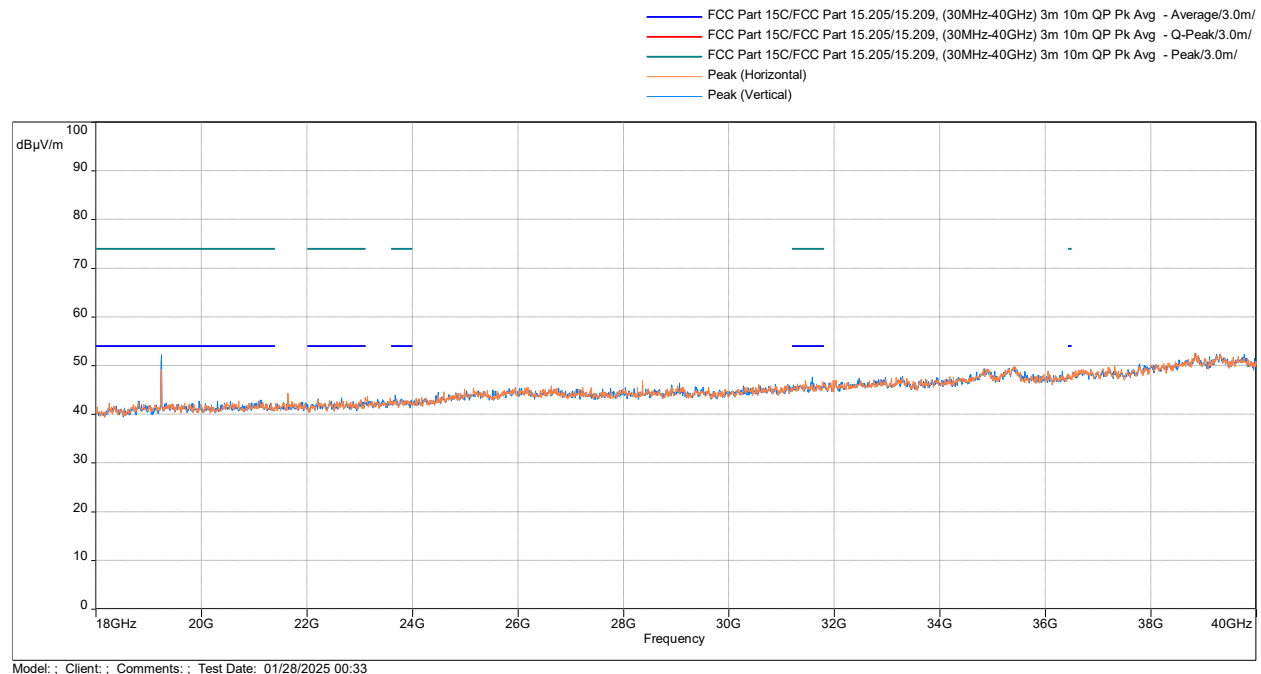


Frequency (MHz)	FS (dB μ V/m)	Limit (dB(uV/m))	Margin (dB)	Azimuth (deg)	Height (m)	Polarity	RA (dBuV)	Correction (dB)
120.0013	24.5	33	-8.5	150	1	Vertical	37.3	-12.79
120.0016	23.76	33	-9.24	186.5	4	Horizontal	36.55	-12.79
134.9943	24.33	33	-8.67	168	1	Vertical	36.95	-12.62
168.0019	27.95	33	-5.05	53.25	1.08	Vertical	42.5	-14.56
168.0615	23.37	33	-9.63	189.75	1.63	Horizontal	37.93	-14.56
169.7357	8.99	33	-24.01	135.5	1.61	Horizontal	23.64	-14.63

Radiated Spurious Emissions 1000 - 18000 MHz, Peak Scan vs Peak & Average Limit



Radiated Spurious Emissions 18 – 40 GHz, Peak Scan vs Peak & Average Limit



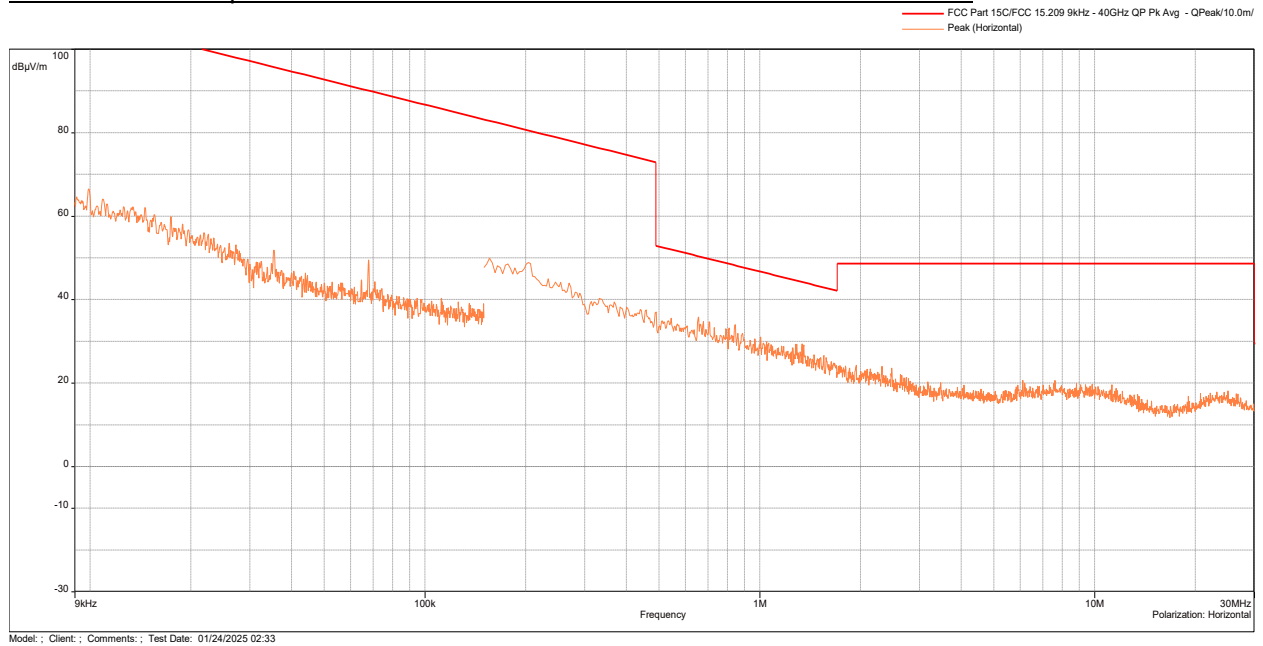
Frequency (MHz)	Peak (dBμV/m)	Lim.Avg (dBμV/m)	Peak-Lim.Avg (dB)	Height (m)	Angle (°)	Polarity	Correction (dB)
19243.73	52.19	54	-1.81	2	87.78	Vertical	-8.56

Results

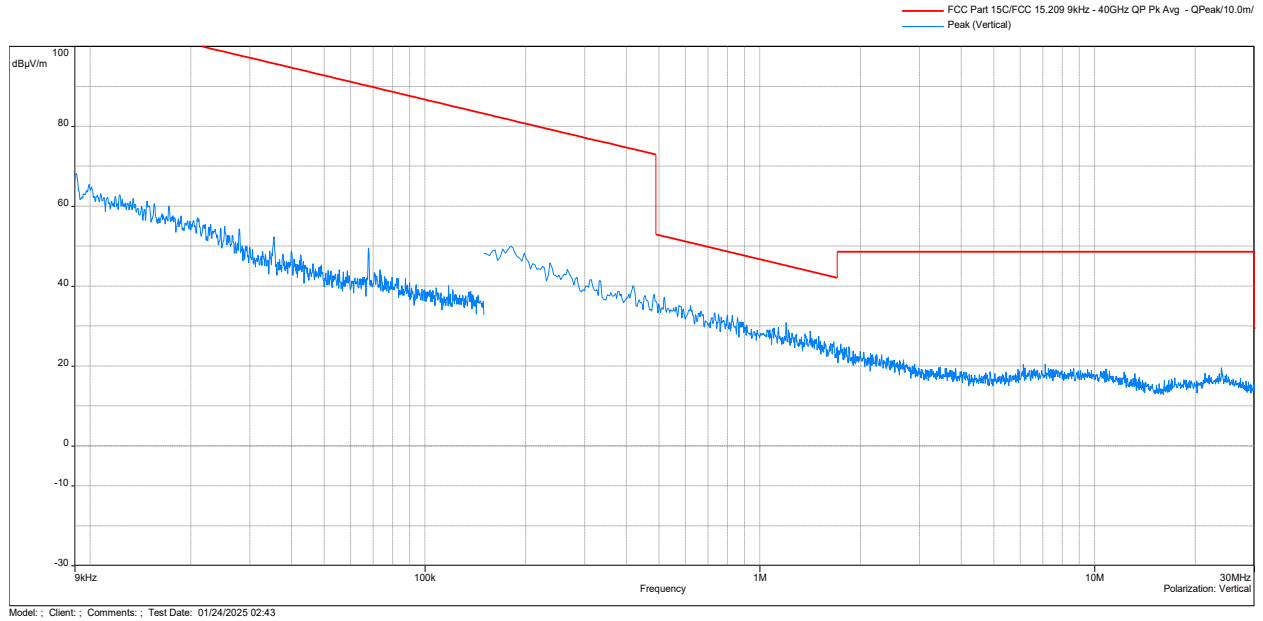
Complies

Test Results: 15.209 Radiated Spurious Emissions Mid Channel, Tx at 2440 MHz

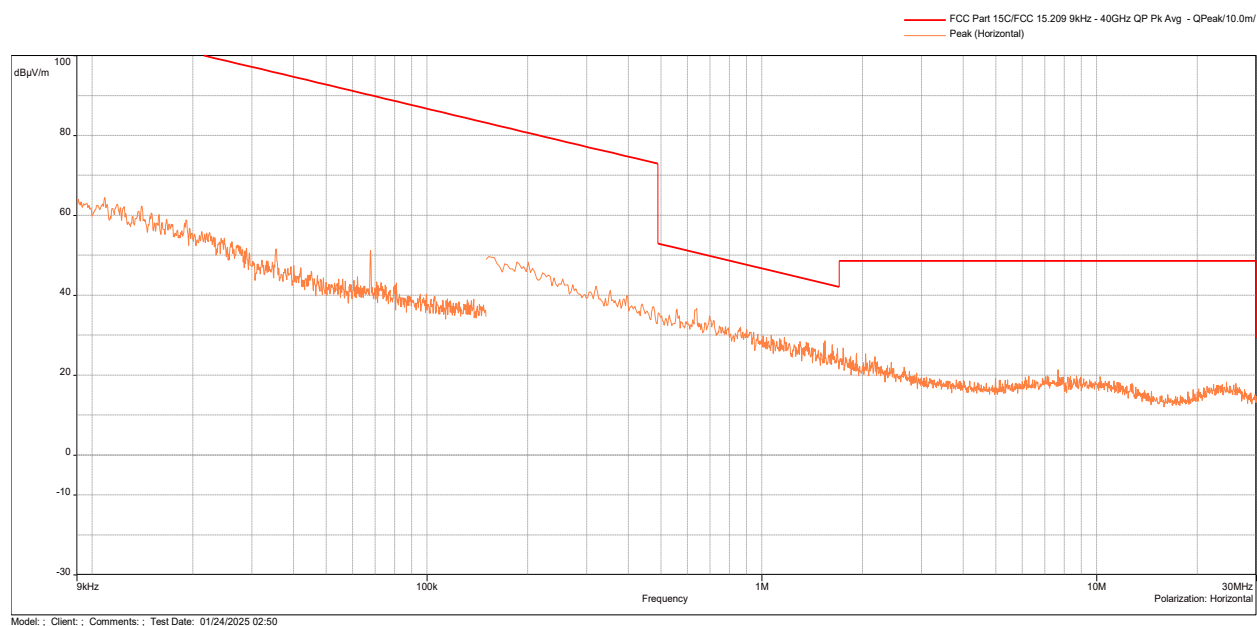
Electric Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



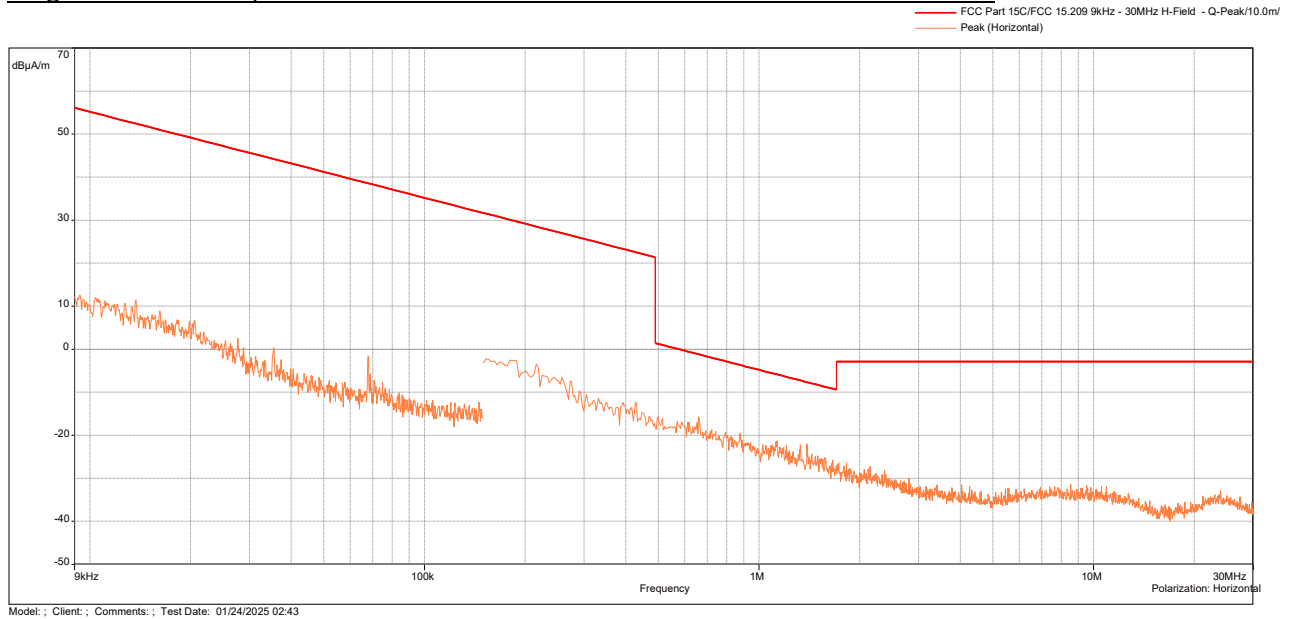
Electric Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



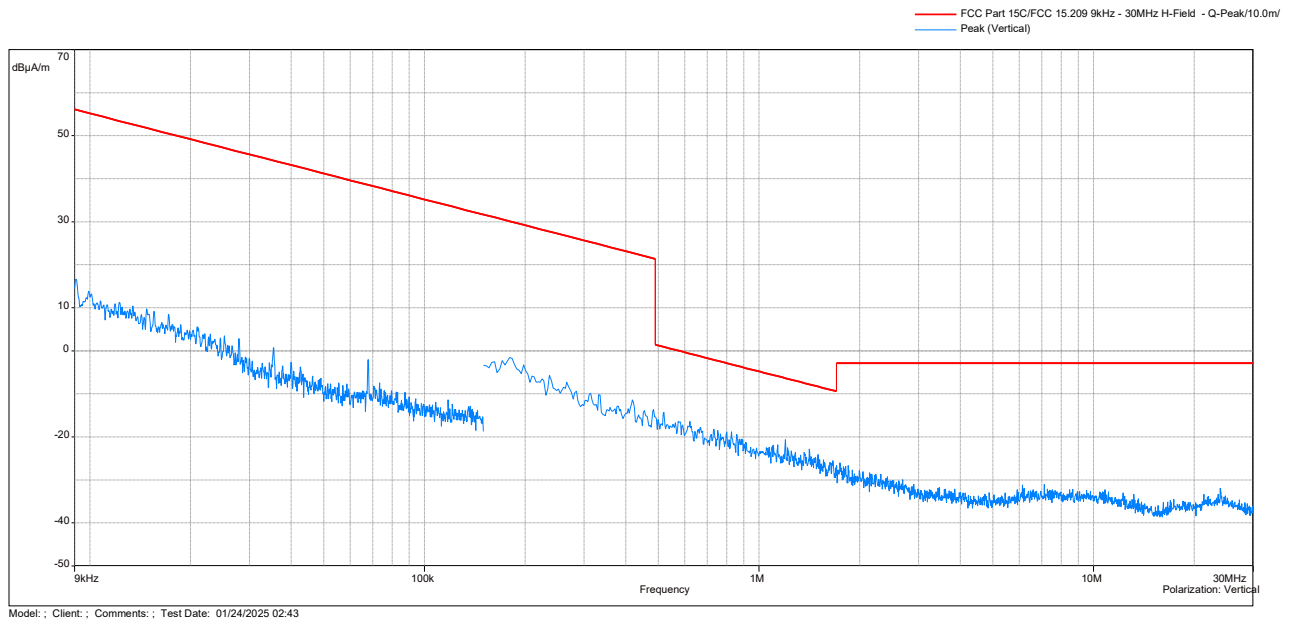
Electric Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



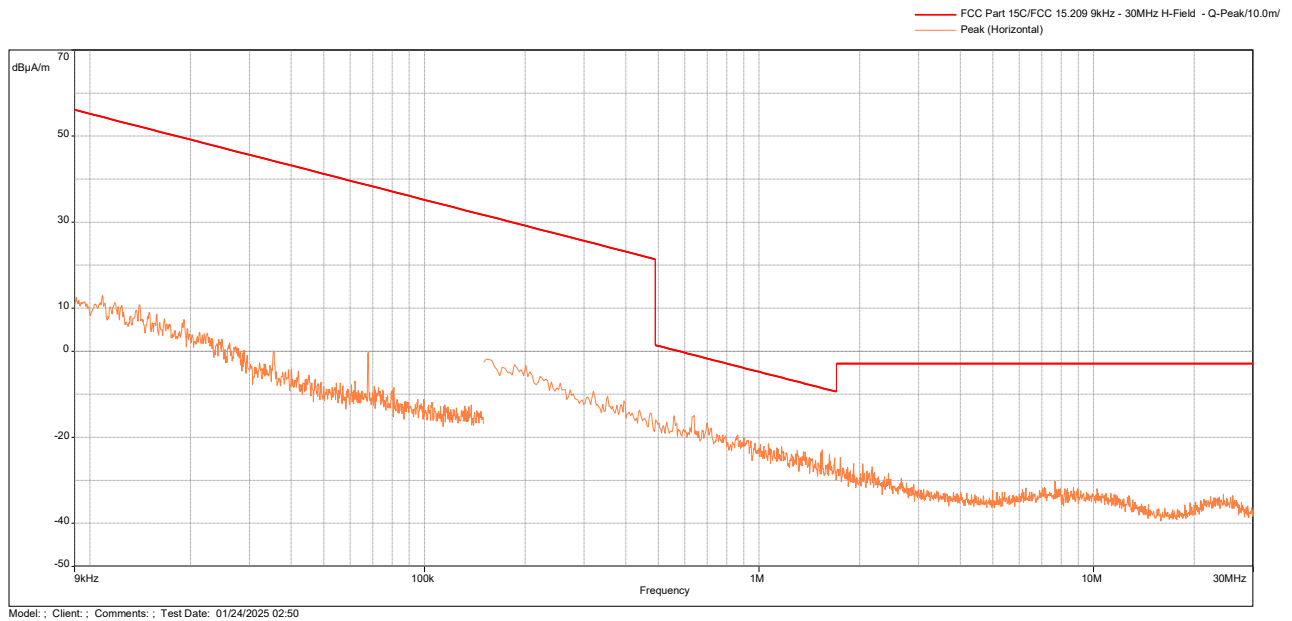
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



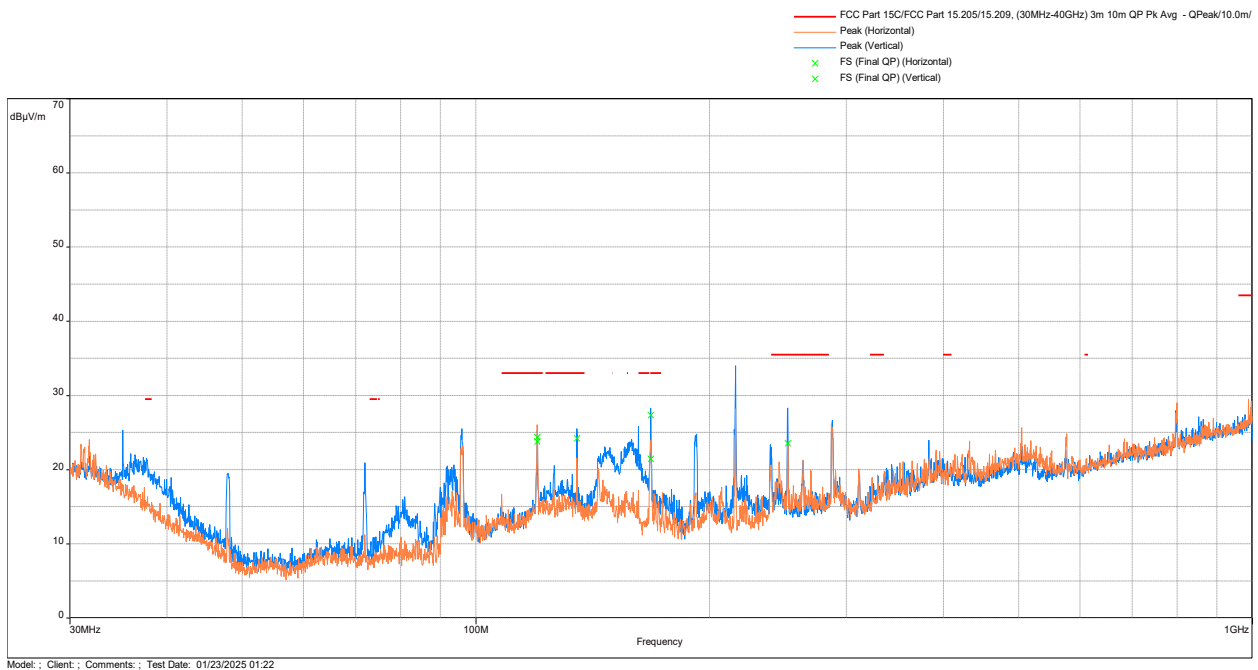
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization

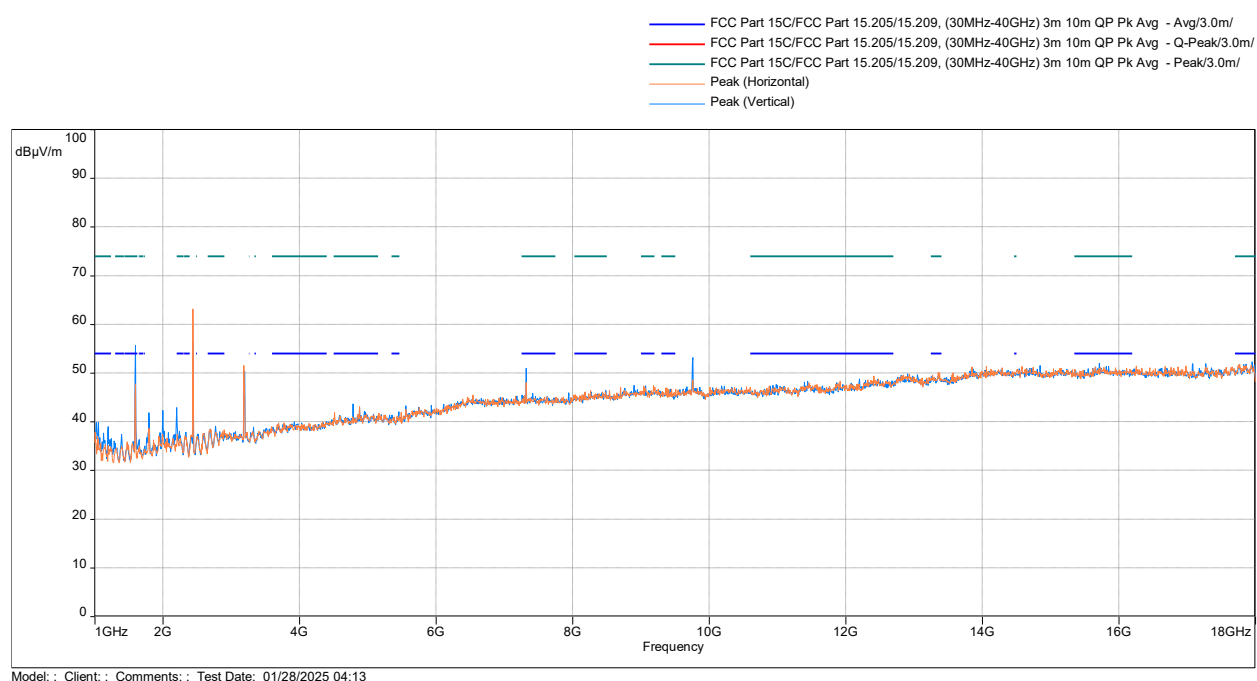


Radiated Spurious Emissions 30 MHz - 1000 MHz

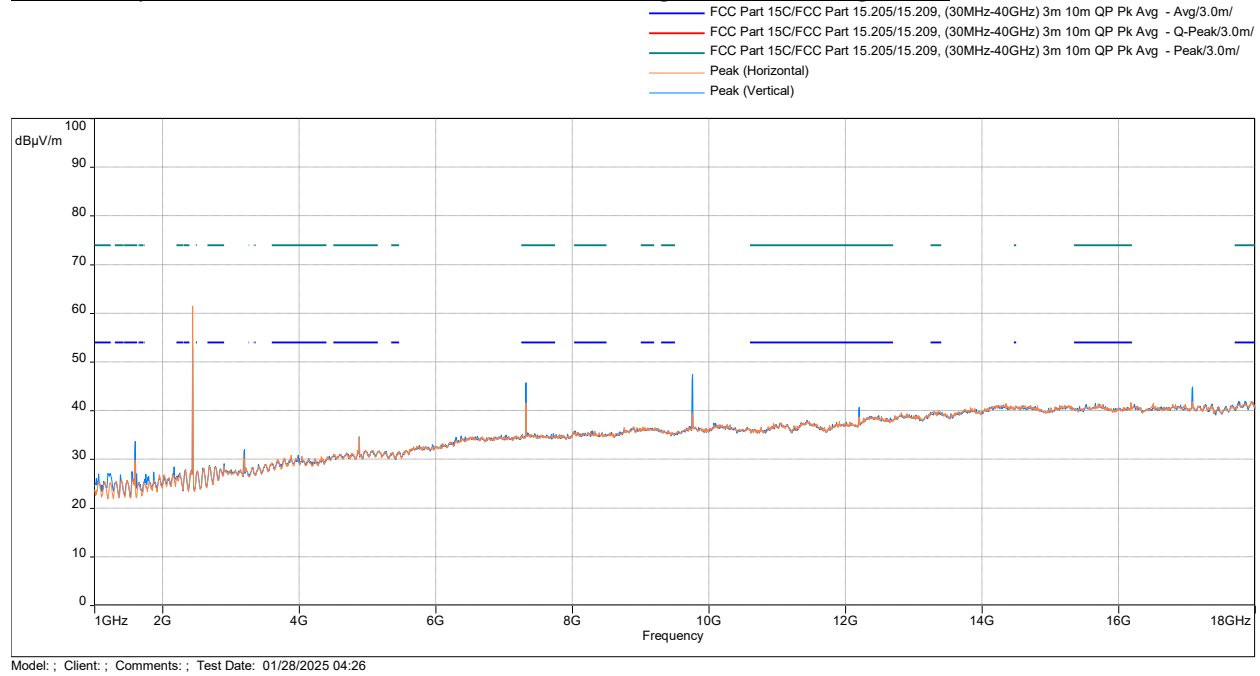


Frequency (MHz)	FS (dBμV/m)	Limit (dB(uV/m))	Margin (dB)	Azimuth (deg)	Height (m)	Polarity	RA (dBuV)	Correction (dB)
119.9984	23.78	33	-9.22	160.25	1.23	Vertical	36.57	-12.79
119.9997	24.39	33	-8.61	209.5	1.63	Horizontal	37.19	-12.79
134.9975	24.25	33	-8.75	175	1.23	Vertical	36.87	-12.62
167.8574	21.47	33	-11.53	187.75	3.77	Horizontal	36.02	-14.55
168.0035	27.35	33	-5.65	64.5	1.53	Vertical	41.91	-14.56
252.3191	23.55	35.5	-11.95	351	1.32	Vertical	37.85	-14.3

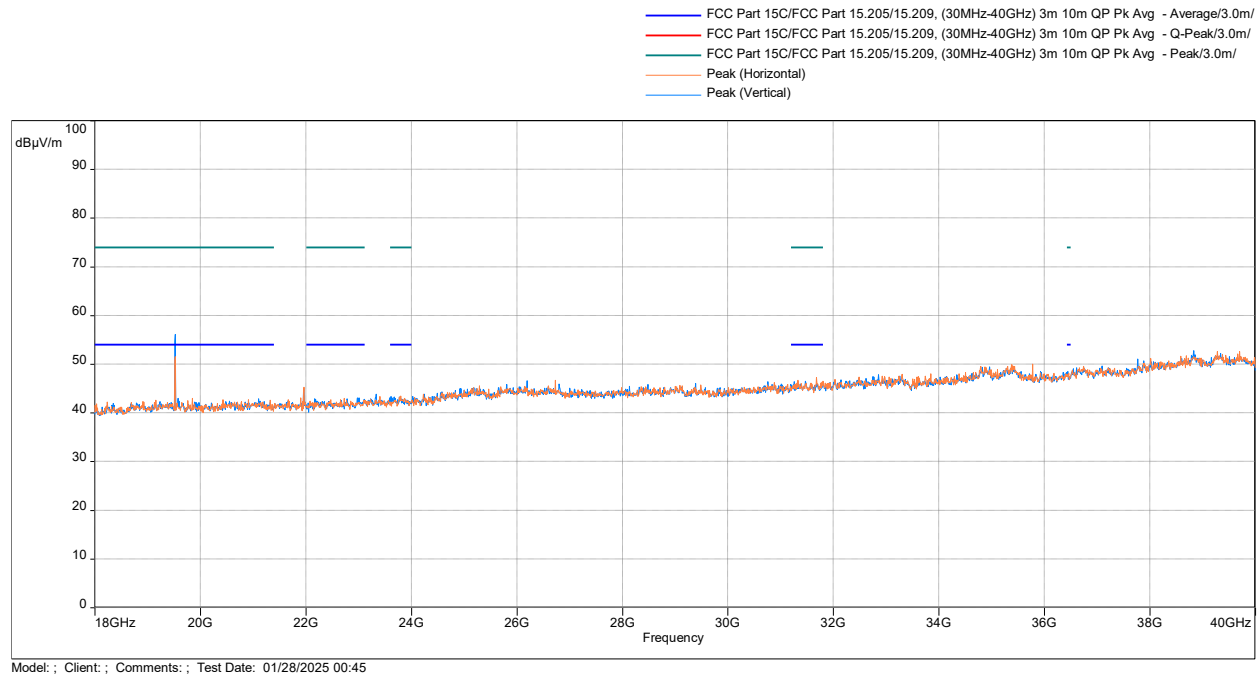
Radiated Spurious Emissions 1000 - 18000 MHz, Peak Scan vs Peak & Average Limit



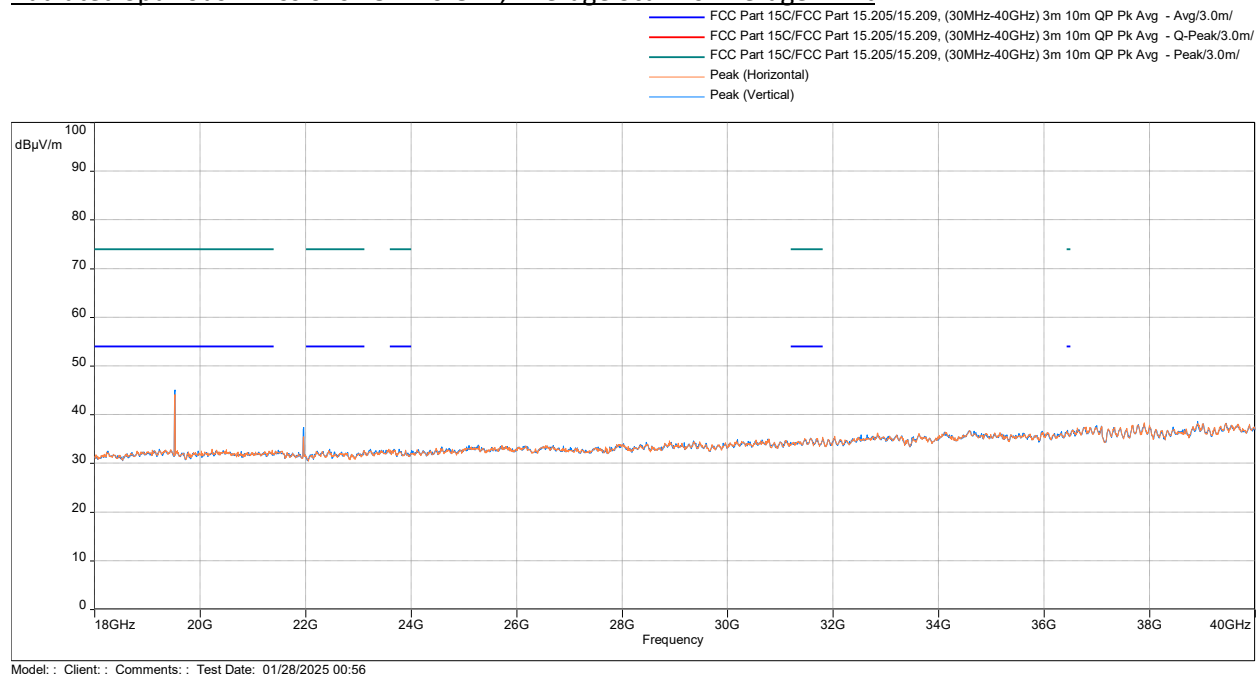
Radiated Spurious Emissions 1000 - 18000 MHz, Average Scan vs Average Limit



Radiated Spurious Emissions 18 – 40 GHz, Peak Scan vs Peak & Average Limit



Radiated Spurious Emissions 18 – 40 GHz, Average Scan vs Average Limit

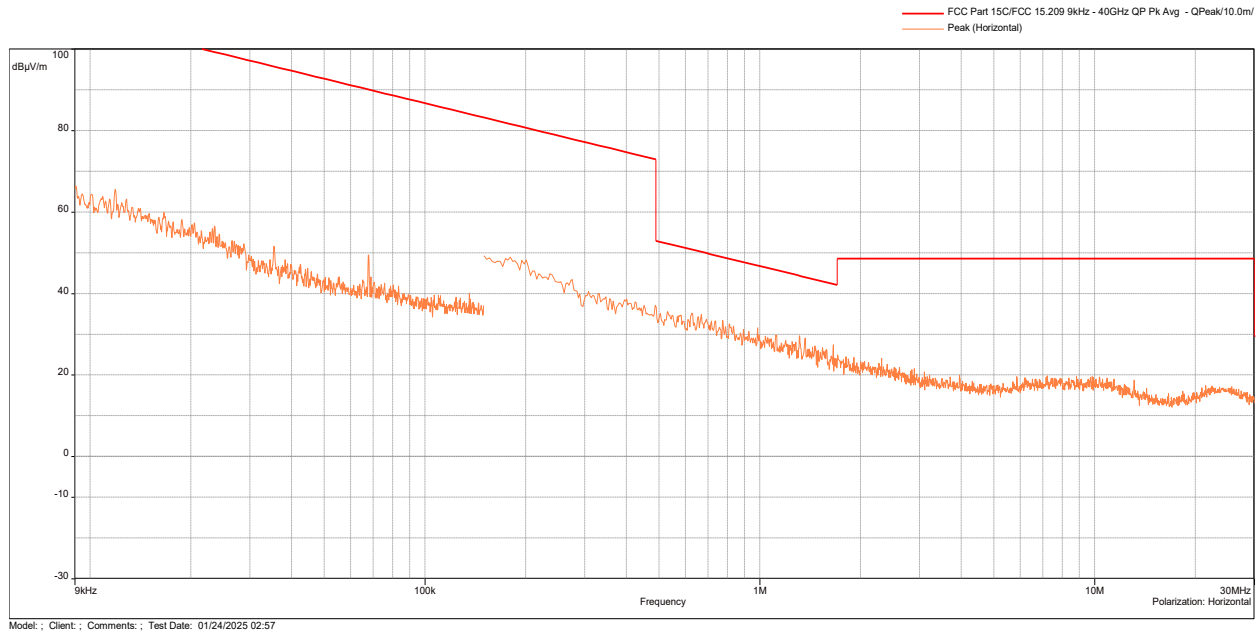


Results

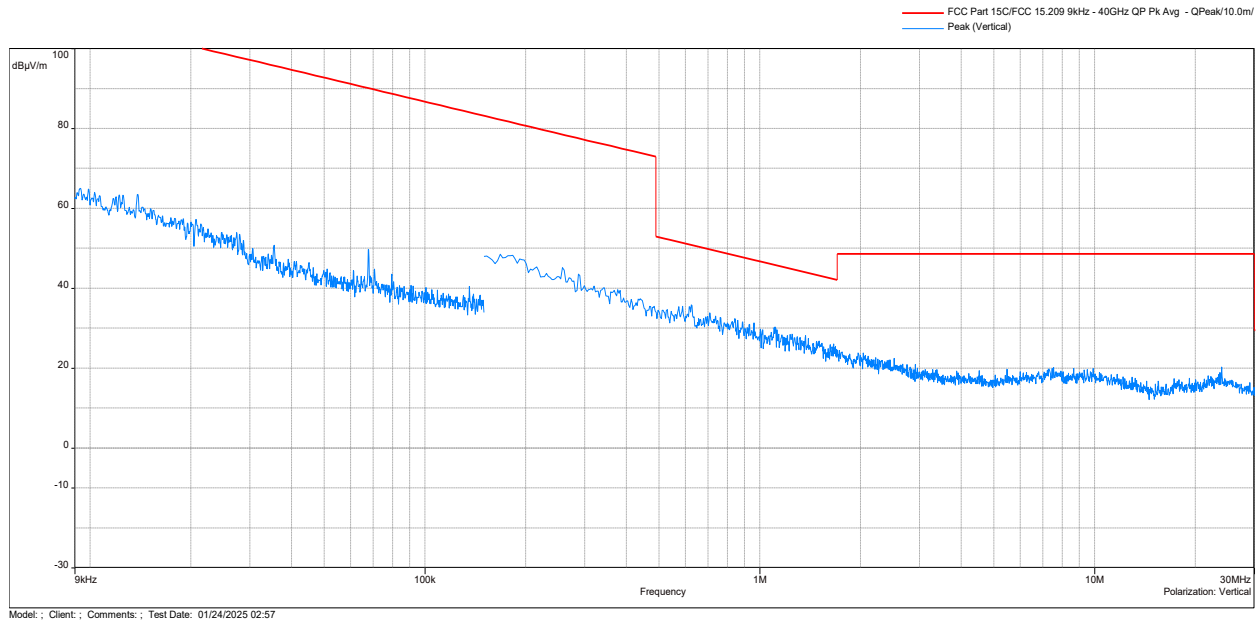
Complies

Test Results: 15.209 Radiated Spurious Emissions High Channel, Tx at 2470MHz

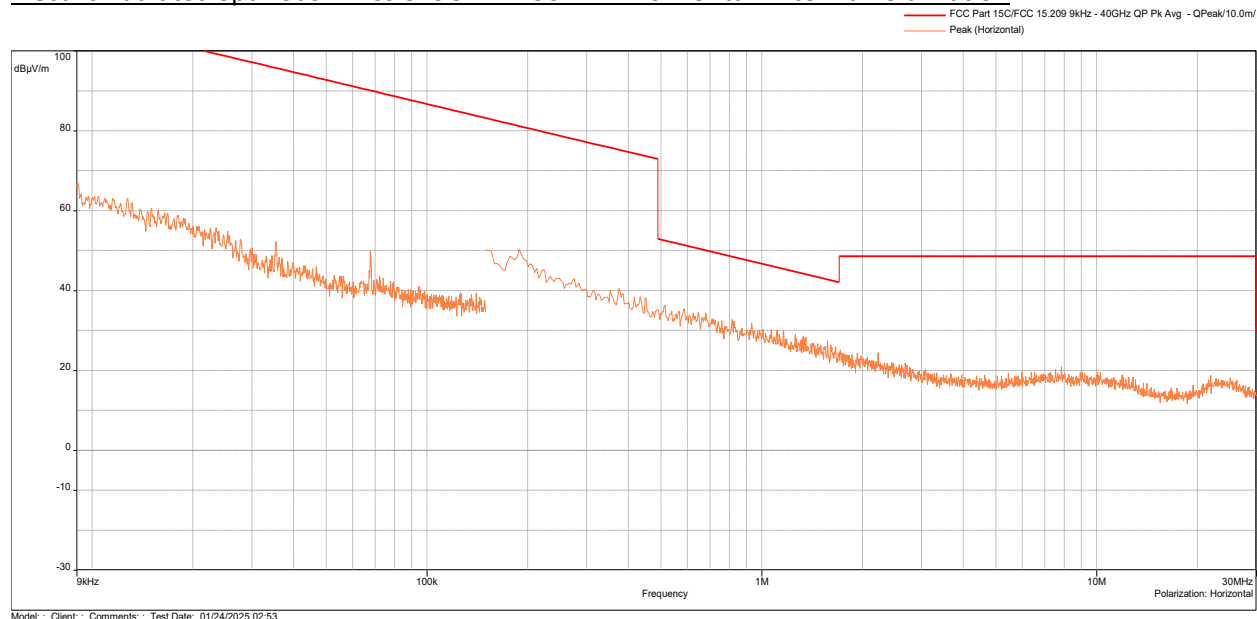
Electric Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



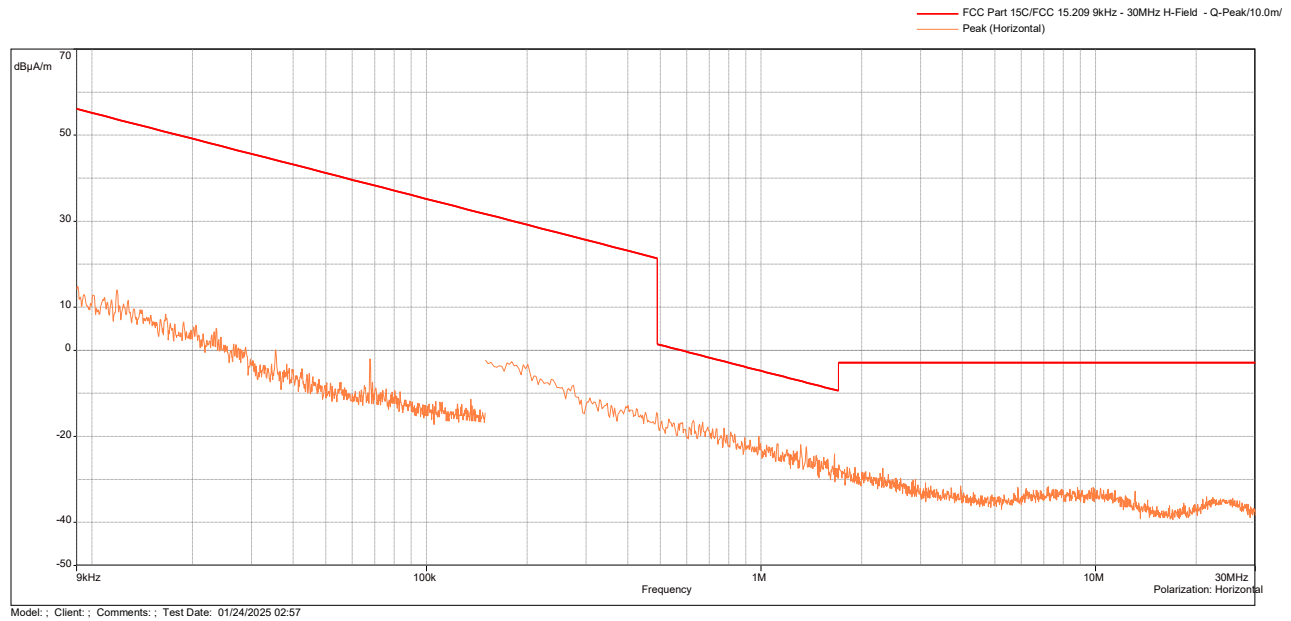
Electric Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



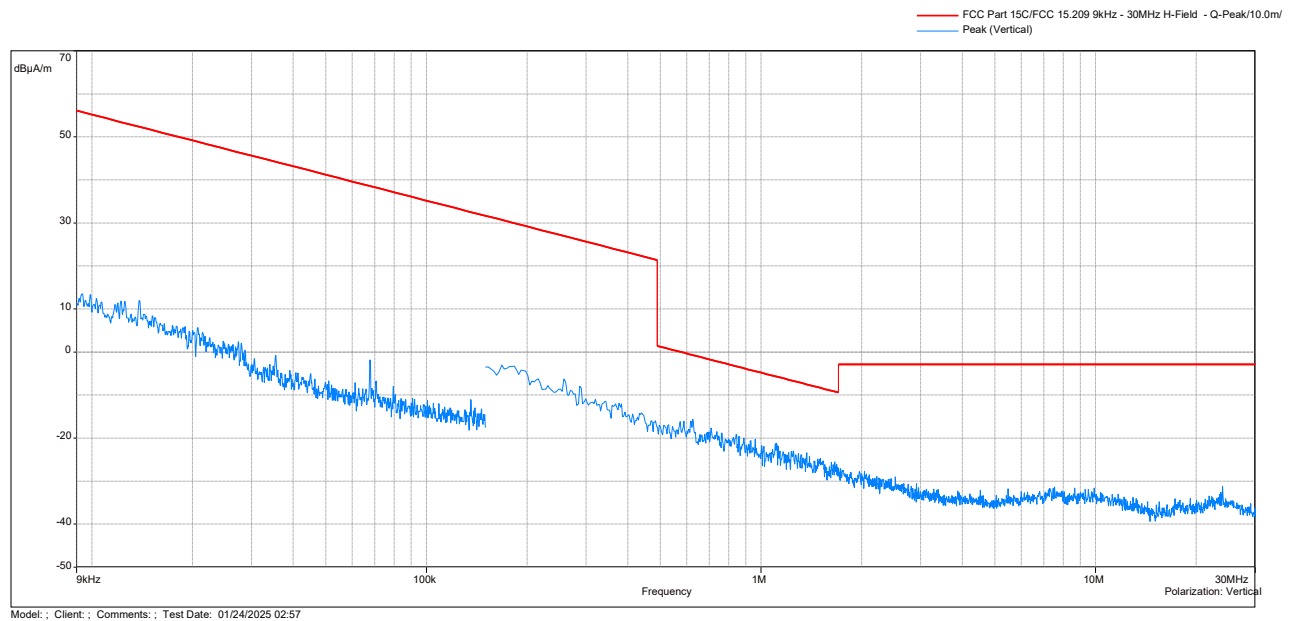
Electric Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



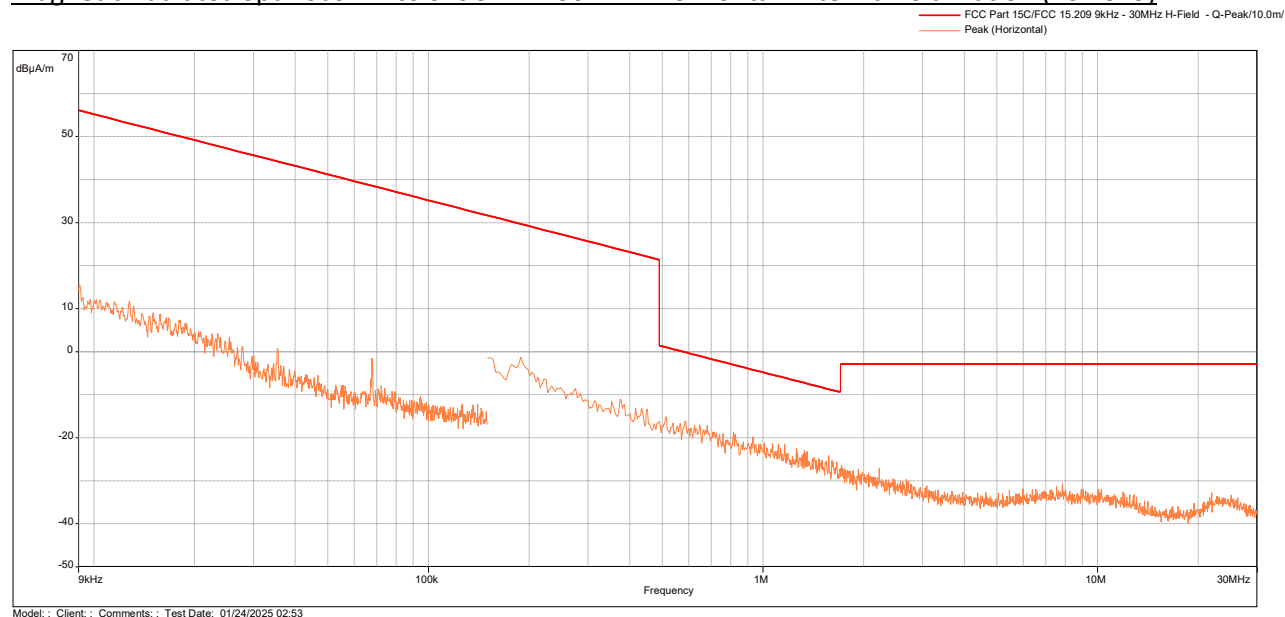
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization (Power 9)



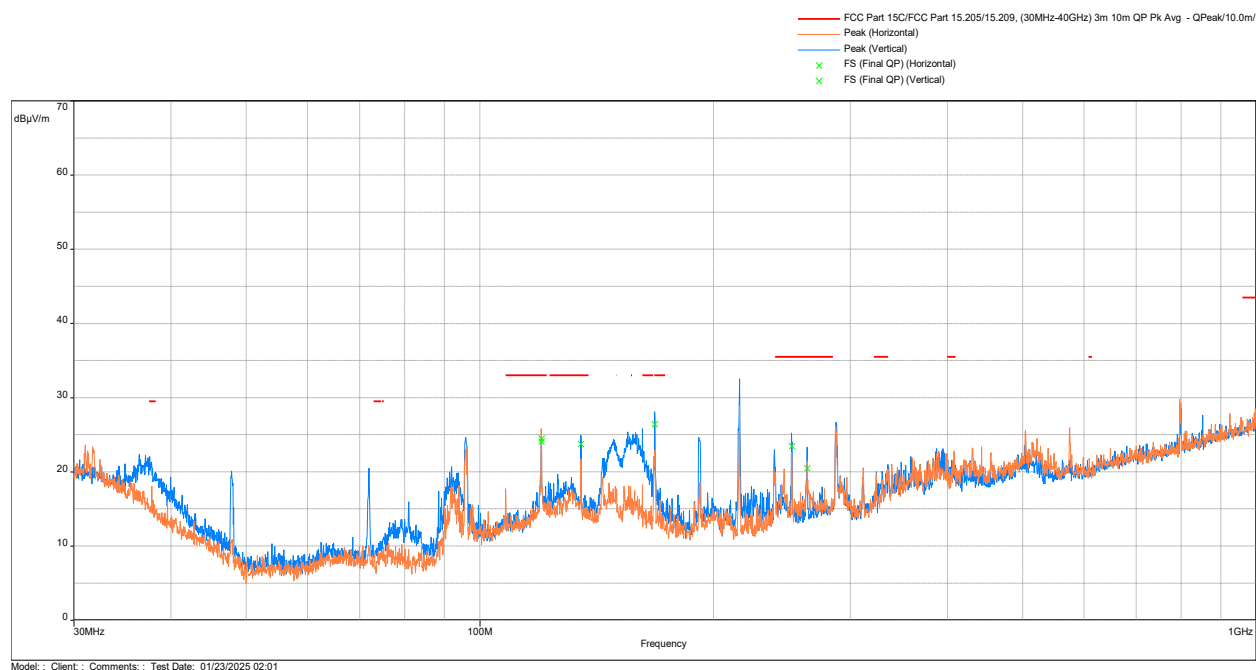
Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization (Power 9)



Magnetic Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization (Power 9)

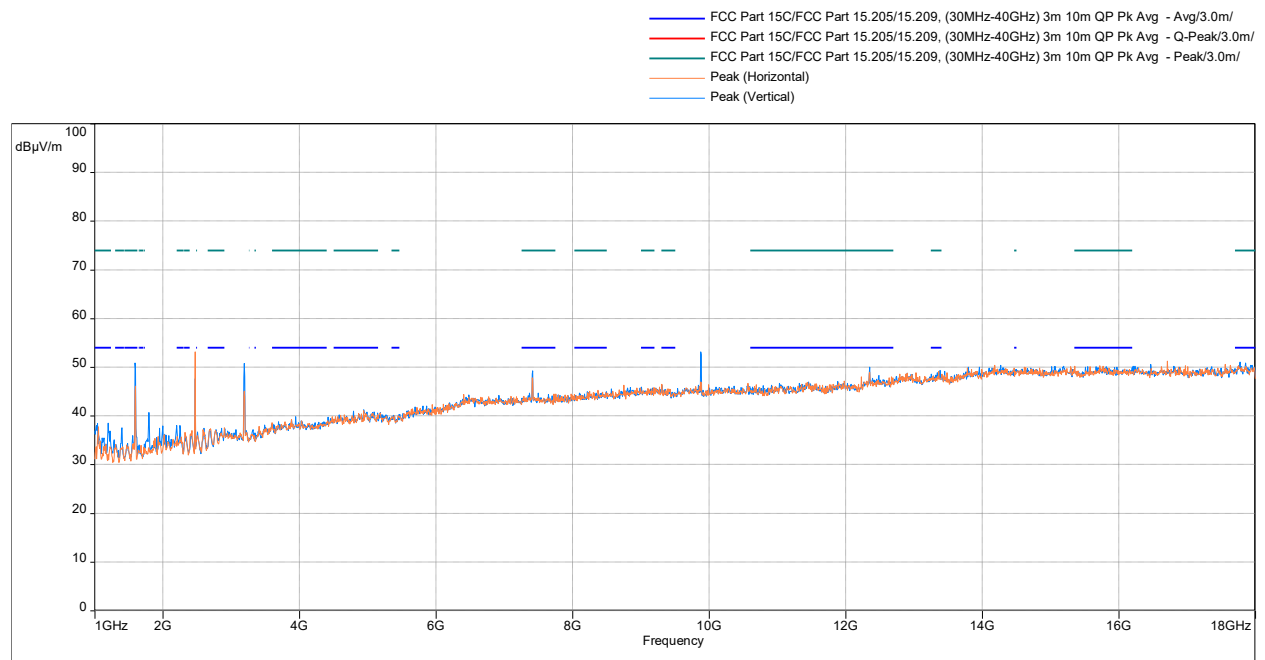


Radiated Spurious Emissions 30 MHz - 1000 MHz (Power 9)



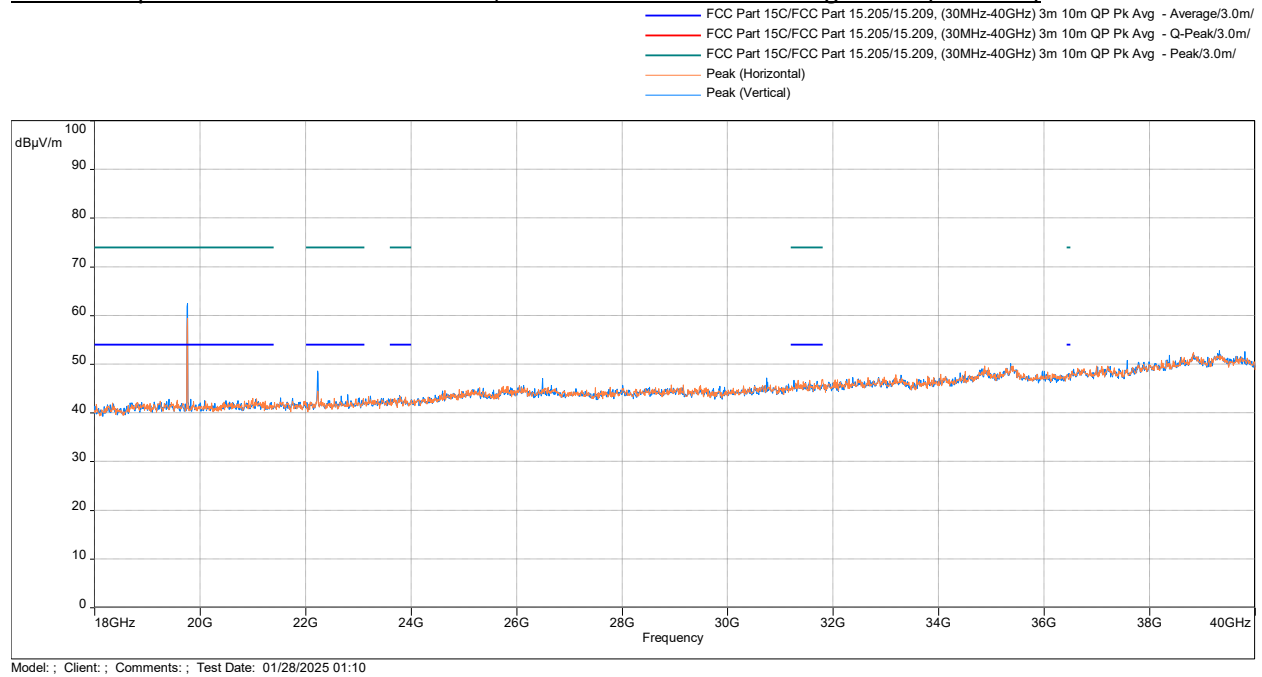
Frequency (MHz)	FS (dBμV/m)	Limit (dB(uV/m))	Margin (dB)	Azimuth (deg)	Height (m)	Polarity	RA (dBuV)	Correction (dB)
120.0032	24.08	33	-8.92	150.75	1.21	Vertical	36.88	-12.79
120.0013	24.48	33	-8.52	209.5	3.73	Horizontal	37.28	-12.79
134.9943	23.74	33	-9.26	176.25	1.23	Vertical	36.36	-12.62
167.9987	26.42	33	-6.58	257.5	1.51	Vertical	40.97	-14.56
252.1922	23.43	35.5	-12.07	80.25	2.48	Horizontal	37.73	-14.3
264.0041	20.47	35.5	-15.03	296.5	1.12	Vertical	33.81	-13.34

Radiated Spurious Emissions 1000 - 18000 MHz, Peak Scan vs Peak & Average Limit (Power 9)

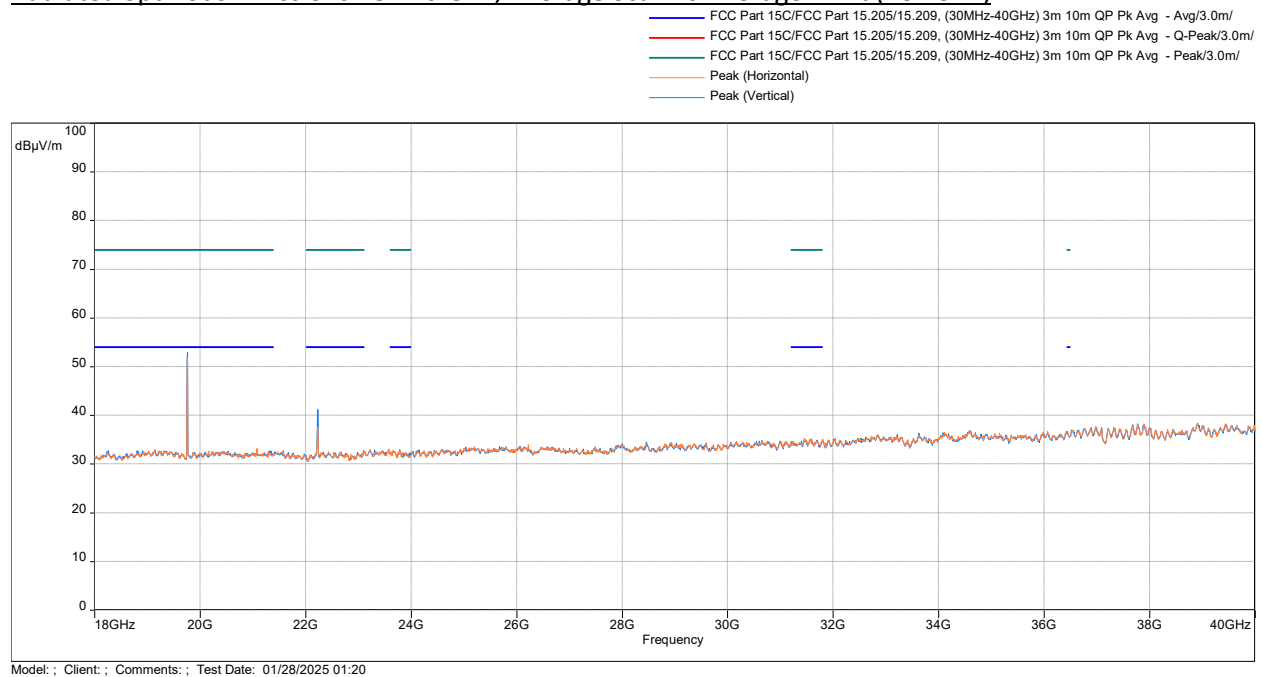


Frequency (MHz)	Peak (dBμV/m)	Lim.Avg (dBμV/m)	Peak-Lim.Avg (dB)	Height (m)	Angle (°)	Polarity	Correction (dB)
7411.833	50.25	54	-3.75	2	247.5	Vertical	4.61
12352.6	50.98	54	-3.02	1	233.9	Vertical	2.64

Radiated Spurious Emissions 18 - 40 GHz, Peak Scan vs Peak & Average Limit (Power 9)



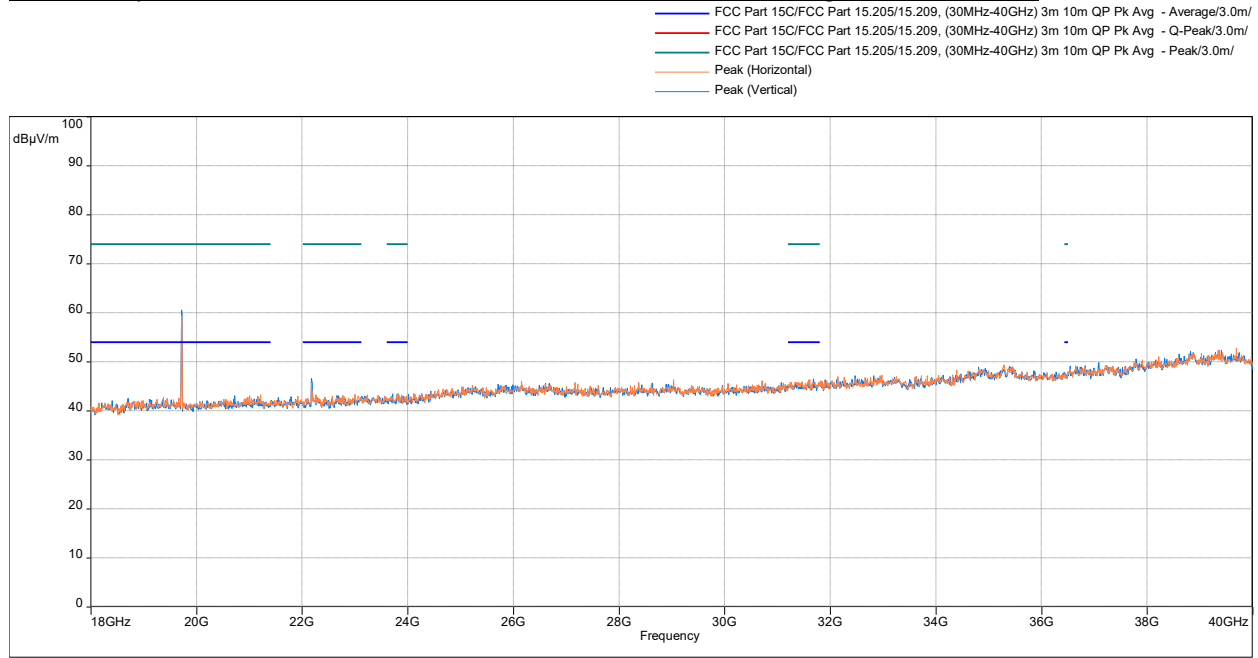
Radiated Spurious Emissions 18 - 40 GHz, Average Scan vs Average Limit (Power 7)



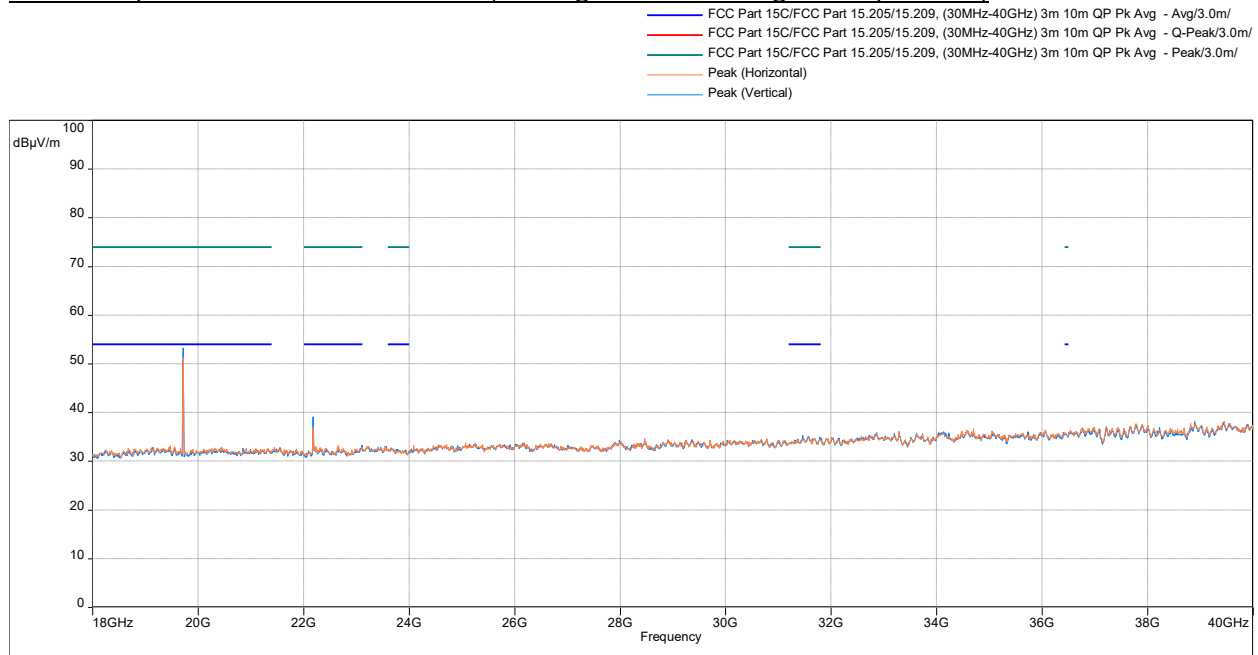
Frequency (MHz)	FS (Ave) (dBμV/m)	Ave Limit (dB(uV/m))	Ave Margin (dB)	Azimuth (deg)	Height (m)	Peak (dBuV/m)	Polarity	RA (dBuV)
19764.36	50.5	54	-3.5	95.82	1.25	58.42	Vertical	58.74
19764.36	43.16	54	-10.84	93.83	1.96	52.1	Horizontal	51.4

Test Results: 15.209 Radiated Spurious Emissions High Channel, Tx at 2465MHz

Radiated Spurious Emissions 18 - 40 GHz, Peak Scan vs Peak & Average Limit (Power 9)



Radiated Spurious Emissions 18 - 40 GHz, Average Scan vs Average Limit (Power 9)



Frequency (MHz)	FS (Ave) (dB μ V/m)	Ave Limit (dB(μ V/m))	Ave Margin (dB)	Azimuth (deg)	Height (m)	Peak (dB μ V/m)	Polarity	RA (dB μ V)
19716.35	53.61	54	-0.39	113.32	3.92	58.22	Vertical	61.85
19716.35	50.62	54	-3.38	166.18	3.94	58.66	Horizontal	58.86

Results	Complies
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4.5.5 Test Setup Configuration

The following photographs show the testing configurations used.



4.5.5 Test Setup Configuration (Continued)



4.5.5 Test Setup Configuration (Continued)



4.6 AC Line Conducted Emission FCC: 15.207; RSS-GEN;

4.6.1 Requirement

Frequency Band MHz	Class B Limit dB(μ V)		Class A Limit dB(μ V)	
	Quasi-Peak	Average	Quasi-Peak	Average
0.15-0.50	66 to 56 *	56 to 46 *	79	66
0.50-5.00	56	46	73	60
5.00-30.00	60	50	73	60

*Note: *Decreases linearly with the logarithm of the frequency. At the transition frequency the lower limit applies.*

4.6.2 Procedure

Measurements are carried out using quasi-peak and average detector receivers in accordance with CISPR 16. An AMN is required to provide a defined impedance at high frequencies across the power feed at the point of measurement of terminal voltage and also to provide isolation of the circuit under test from the ambient noise on the power lines. An AMN as defined in CISPR 16 shall be used.

The EUT is located so that the distance between the boundary of the EUT and the closest surface of the AMN is 0.8m.

Where a flexible mains cord is provided by the manufacturer, this shall be 1m long or if in excess of 1m, the excess cable is folded back and forth as far as possible so as to form a bundle not exceeding 0.4m in length.

The EUT is arranged and connected with cables terminated in accordance with the product specification.

Conducted disturbance is measured between the phase lead and the reference ground, and between the neutral lead and the reference ground. Both measured values are reported.

The EUT, where intended for tabletop use, is placed on a table whose top is 0.8m above the ground plane. A vertical, metal reference plane is placed 0.4m from the EUT. The vertical metal reference-plane is at least 2m by 2m. The EUT shall be kept at least 0.8m from any other metal surface or other ground plane not being part of the EUT. The table is constructed of non-conductive materials. Its dimensions are 1m by 1.5m, but may be extended for larger EUT.

Floor standing EUT are placed on a horizontal metal ground plane and isolated from the ground plane by resting on an insulating material. The metal ground plane extends at least 0.5m beyond the boundaries of the EUT and has minimum dimensions of 2m by 2m.

Equipment setup for conducted disturbance tests followed the guidelines of ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

4.6.3 Test Result

Not applicable. The EUT is battery powered only.

5.0 List of Test Equipment

Measurement equipment used for compliance testing utilized the equipment on the following list:

Equipment	Manufacturer	Model/Type	Asset #	Cal Int	Cal Due
EMI Receiver	Rohde and Schwarz	ESW44	ITS 02016	12	05/30/2025
EMI Receiver	Rohde and Schwarz	ESU40	ITS 00961	12	04/26/2025
Horn Antenna (1-18GHz)	RF Spin	DRH18-E	ITS 02114	12	10/02/2025
1-18 Preamplifier	EMC Instruments	EMC118A45SE	ITS 02113	12	10/02/2025
18-40 Preamplifier	EMC Instruments	EMC184045SE	ITS 02112	12	10/02/2025
18-40GHz Horn Antenna	RF Spin	DRH0844	ITS 02115	12	10/03/2025
9kHz-30MHz Passive Loop Antenna	ETS Lindgren	6512	ITS 01573	12	12/02/2025
RF Motion 30MHz-2GHz Bi-Log Antenna	SunAR	JB1	ITS 01577	12	02/29/2025
9kHz-1GHz Pre-amplifier	Sonoma Instruments	310N	ITS 01713	12	02/14/2025
1-40GHz SMA RF Cable 0.5 Meter	Absolute EMC	50586-39	ITS 02098	12	08/19/2025
1-40GHz SMA RF Cable 3 Meter	Absolute EMC	50586-197	ITS 02099	12	08/19/2025
Notch Filter	MICRO-TRONICS	BRM50702	ITS 02062	12	02/14/2025

Software used for emission compliance testing utilized the following:

Name	Manufacturer	Version
BAT-EMC	Nexio	3.20.0.23
RS Commander	Rohde Schwarz	1.6.4

6.0 Document History

Revision/ Job Number	Writer Initials	Reviewers Initials	Date	Change
0 / G106033026	AM	AC	February 13, 2025	Original document
1 / G106562063	AM	AC	May 5, 2026	Performed a technical review of report to ensure standard is up to date.
2 / G106562063	AM	AC	June 5, 2026	Updated ANSI c63 version Presented EIRP results Listed limits for Conducted Output Power Added test laboratory company number Added 9kHz-30MHz data in dBuA/m Updated signing date

END OF REPORT