TEST REPORT

Report Number: 106347521MIN-003
Project Number: G106347521

Testing performed on the
SVOXIXS
FCC ID: 2ASEQSVOXIXS
IC: 24733-SVOXIXS

to
47 CFR, Part 15. 247:2025
RSS- 247, Issue 4, 2025
RSS-Gen, Issue 5, Amendment 2:2021

For
Enkoa System, SL

Test Performed by:	Test Authorized by:
Intertek Testing Services NA, Inc.	Enkoa System, SL
40 51st Way NE, Suite 100	Polígono Erramone 45
Fridley, MN 55421 USA	20850 Mendaro (Guipúzcoa) Spain

Prepared by: _____
Peter Kutkiewicz,
Project EMC Engineer

Reviewed by: _____ Date of issue: 2025-12-10
Uri Spector,
Sr. EMC Staff Engineer

TABLE OF CONTENTS

1.0 GENERAL DESCRIPTION

Model:	SVOXIXS
Type of EUT:	Ceiling surface mounted motion sensor
Intertek Sample ID:	MIN2510061029-007 (Configured for antenna port measurements) MIN2510061029-009 (Configured for radiated measurements)
FCC ID:	2ASEQSVOXIXS
IC:	24733-SVOXIXS
Related Submittal(s) Grants:	None
Company:	Enkoa System, SL
Customer:	Antonio Cid
Address:	Polígono Erramone 45 20850 Mendaro (Guipúzcoa) Spain
Phone:	943-757-7030
e-mail:	a.cid@enkoa.com
Test Standards:	☒ 47 CFR, Part 15 Subpart C:2025, §15.247 ☒ RSS–247, Issue 4, 2025 ☒ RSS-Gen, Issue 5, 2021, Amendment 2 ☐ Other
Type of radio:	☒ Stand-alone ☐ Module ☐ Hybrid
Date Sample Submitted:	2025-10-06
Test Work Started:	2025-10-06
Test Work Completed:	2025-12-03
Test Sample Conditions:	☐ Damaged ☐Poor (Usable) ☒ Good

1.1 Product Description; Test Facility

Product Description:	Ceiling surface mounted motion sensor
Transmitter Type:	☐ FHSS ☒ Digital Modulation ☐ WiFi ☐ Blue Tooth
Permitted Band of Operation:	2.4 GHz – 2.4835 GHz
Operating Frequency Range(s):	2.405 GHz – 2.48 GHz
Number of Channels:	26
Modulation:	O-QPSK
Antenna(s) Info:	Microchip Technology AT86RF231 inverted F antenna. Antenna gain: +3.3 dBi
Power settings:	Internal register value set to 0x0, corresponding to an output power of TX_PWR = 3.0 dBm
Antenna Installation:	☐ User ☐ Professional ☒ Factory
Transmitter power configuration:	☒ Internal battery ☐ External power source ☐ 100VAC ☐ 230VAC ☐ 400VAC ☒ 4.5VDC ☐ Other: 20 mAmp. ☐ 50Hz ☐ 60Hz
Special Test Arrangement:	Per client, the EUT is mounted only on the ceiling.
Test Facility Accreditation:	A2LA (Certificate No. 1427.01)
Test Methodology:	Measurements performed according to the procedures in ANSI C63.10-2020+Cor1:2023+C63.10a:2024 and FCC 558074 D01 DTS Measurement Guidance

1.2 EUT Configuration

The equipment under test was operated during the measurement under the following conditions:

☐ - Standby
☒ - Continuous transmissions (modulated signal)
☐ - Continuous transmissions (un-modulated signal)
☐ - Continuous receiving
☐ - Test program (customer specific)
☐ -

Operating modes of the EUT:

No.	Description
1	Test Mode – The EUT transmitted continuously and, per client, was configured to transmit with >98% duty cycle.
2	Test was performed at low channel (2.405 GHz), middle channel (2.440 GHz), and upper channel (2.480 GHz).
3	Per client, Channels Output Power Setting, TX_PWR, was set to 0x0 setting for maximum Tx power o 3.0 dBm. Data rate: 250kbits/sec

Cables:

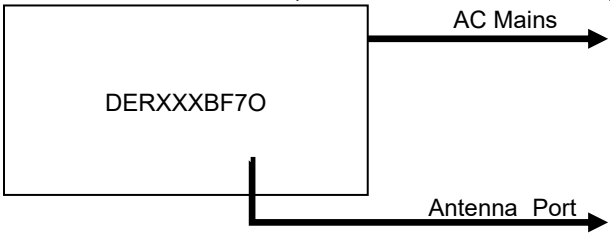
No.	Type	Length	Designation	Note
	None			

Support equipment/Services:

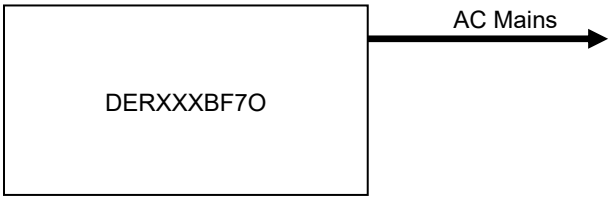
No.	Item	Description
	None	

1.3 EUT Block Diagrams:

EUT MIN2510061029-007 (conducted measurements):



EUT MIN2510061029-009 (radiated measurements):



1.4 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

☒ **Normal**

Temperature:	+15 to +35 ° C
Humidity:	20-75 %
Atmospheric pressure:	86-106 kPa

☐ **Extreme**

☐ **Temperature:**	-20 to +50 ° C
☐ **Supply voltage:**	85% to +115%

1.5 Measurement uncertainty

Radiated Emissions:

Measurement	Frequency Range	Expanded Uncertainty (k=2)
Radiated Emissions, 3m	9 kHz-30 MHz	3.2 dB
Radiated Emissions, 3m	30-1000 MHz	4.4 dB
Radiated Emissions, 3m	1-6 GHz	4.5 dB
Radiated Emissions, 3m	6-18 GHz	4.6 dB
Radiated Emissions, 3m	18-26 GHz	4.7 dB

AC Mains Conducted Emissions:

Measurement	Frequency Range	Expanded Uncertainty (k=2)
AC Line Conducted Emissions	150 kHz - 30 MHz	3.24 dB

Conducted Spurious RF Emissions:

The expanded uncertainty (k = 2) for Conducted Spurious Emissions has been determined to be: ±1.5 dB

1.6 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured emissions reading on the EMI Receiver.
The basic equation with a sample calculation is as follows:
FS = RA + AF + CF - AG

Where: FS = Field Strength in dB(μV/m)
RA = Receiver Amplitude in dB(μV)
CF = Cable Attenuation Factor in dB
AF = Antenna Factor in dB(m^{-1})
AG = Amplifier Gain in dB

Assume a receiver reading of 52.0 dBμV is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted, giving a field strength of 32 dBμV/m. This value in dBμV/m was converted to its corresponding level in μV/m.

RA = 52.0 dBμV
AF = 7.4 dB/m
CF = 1.6 dB
AG = 29.0 dB
FS = 32 dBμV/m

To convert from dBμV to μV or mV the following was used:
UF = $10^{(NF / 20)}$ where UF = Net Reading in μV

NF = Net Reading in dBμV

Example:
FS = RA + AF + CF – AG = 52.0 + 7.4 + 1.6 – 29.0 = 32.0
UF = $10^{(32\ dB\mu V / 20)}$ = 39.8 μV/m

Conducted Emissions Sample Calculations

The following is how net line-conducted readings were determined:

NF = RF + LF + CF + AF

Where NF = Net Reading in dBμV
RF = Reading from receiver in dBμV
LF = LISN or ISN Correction Factor in dB
CF = Cable Correction Factor in dB
AF = Attenuator Loss Factor in dB

Example:

NF = RF + LF + CF + AF = 28.5 + 0.2 + 0.4 + 20.0 = 49.1 dBμV

2.0 TEST SUMMARY

Referring to the performance criteria and the operating mode during the tests specified in this report, the equipment complies with the requirements according to the following standards.

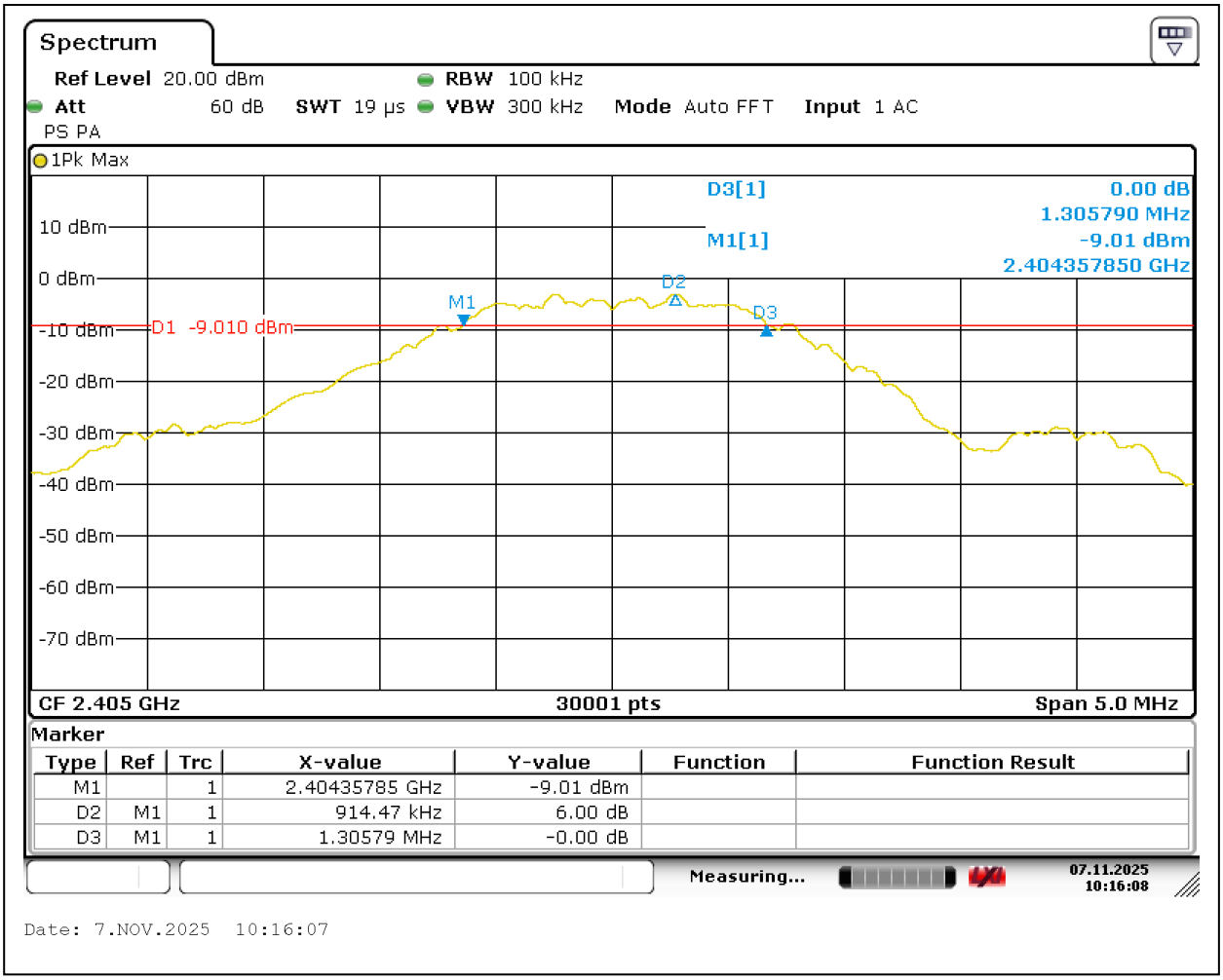
TEST SPECIFICATION	TEST PARAMETERS	RESULT
15.247(a) / RSS-247 6.3.1	6dB emissions bandwidth of the digital modulation	Pass
15.247(b), (c) / RSS-247 6.3.2	Maximum peak output power	Pass
15.247/(e) / RSS-247 6.3.1	Power spectral density	Pass
15.247(d) / RSS-247 6.6	Antenna conducted spurious emissions	Pass
15.247(d) / RSS-247 6.6	Radiated spurious emissions	Pass

3.0 TEST CONDITIONS AND RESULTS

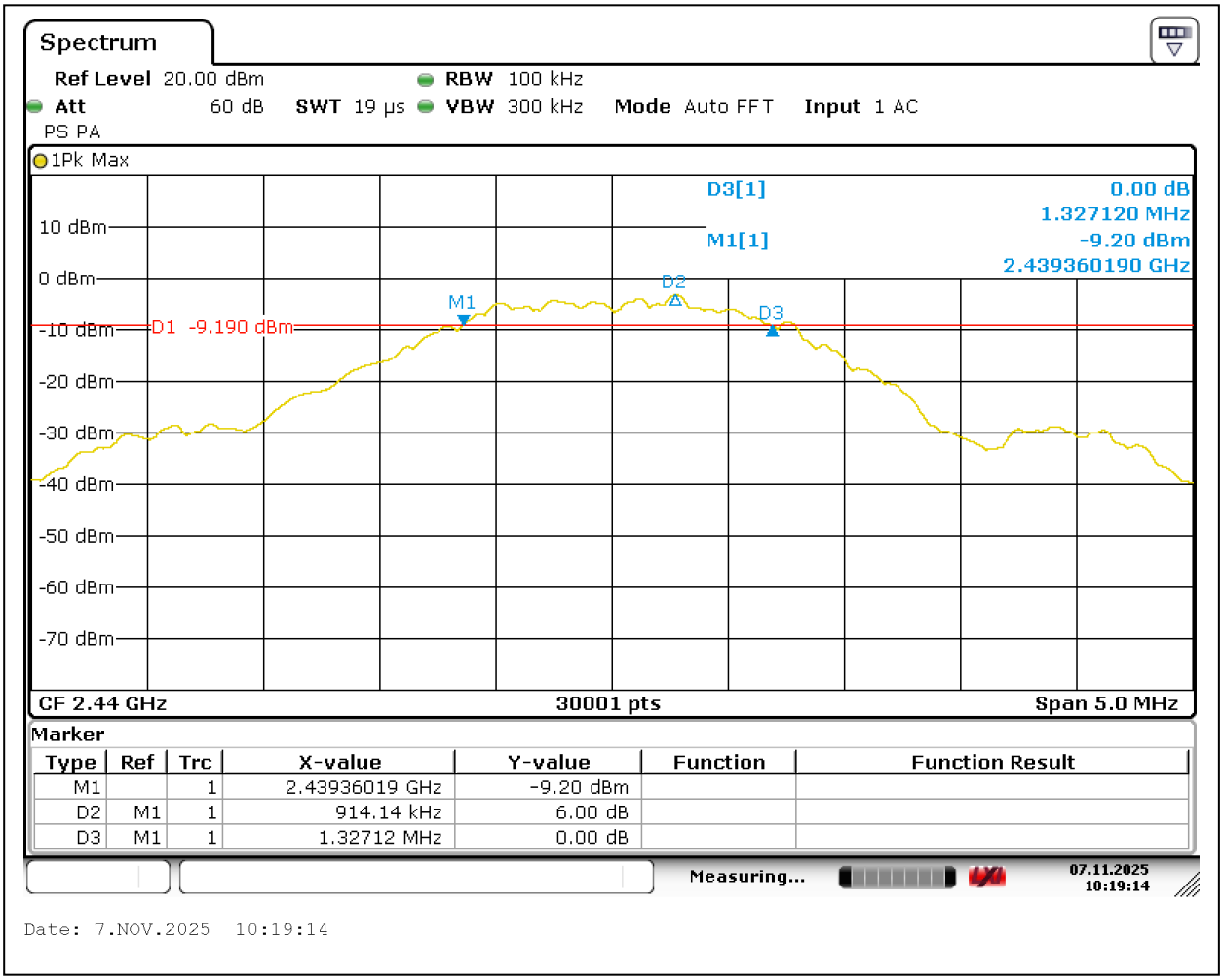
3.1 6dB Emission bandwidth (EBW) of the digital modulation

Low Frequency Channel kHz	Middle Frequency Channel kHz	Upper Frequency Channel kHz	Minimum Bandwidth kHz	Result
1305.79	1327.12	1360.95	500	**Pass**
RBW: **VBW:**	☒ 100kHz ☒ 300kHz			

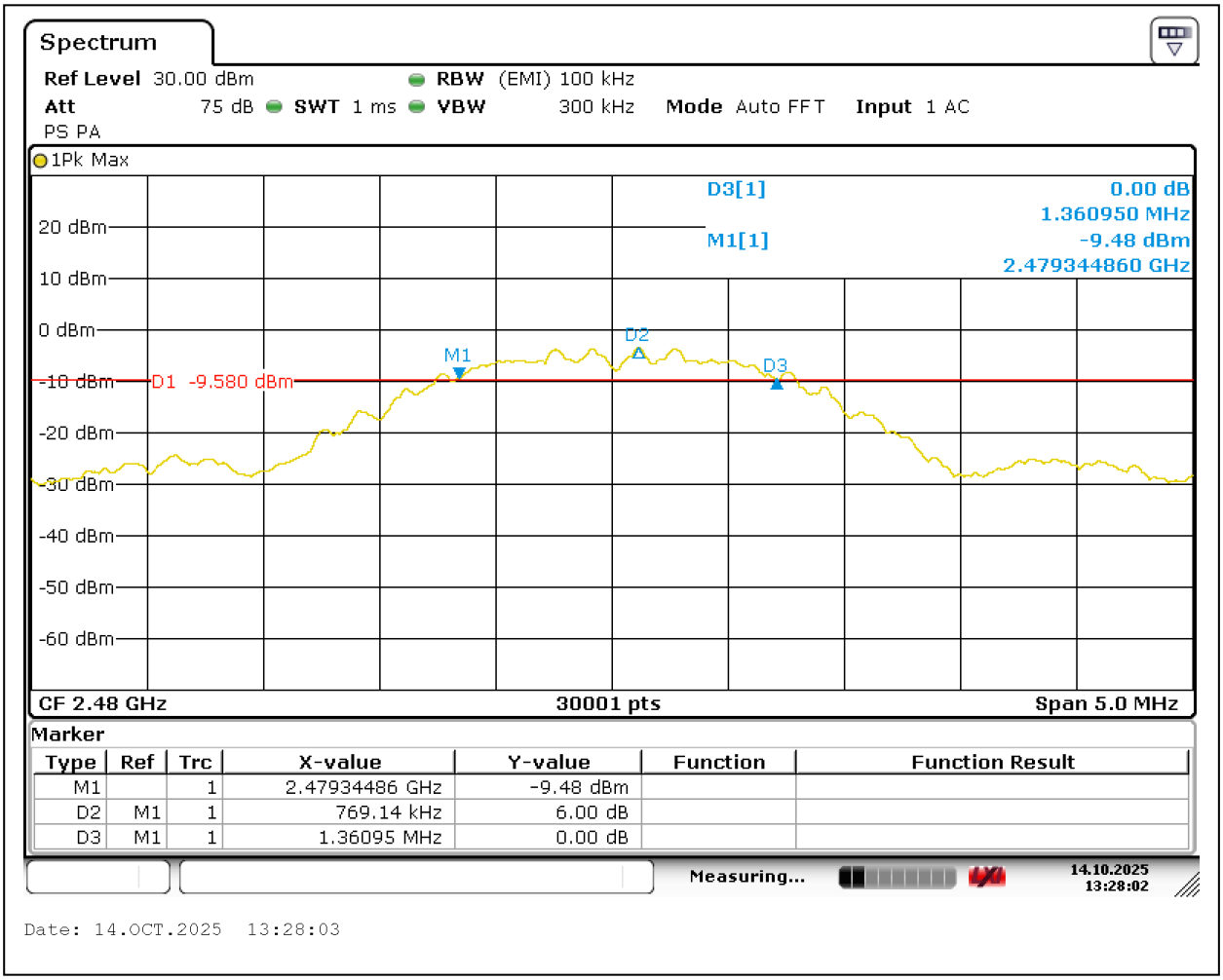
Notes: None



Graph 3.1.1 – Low Channel



Graph 3.1.2 – Middle Channel

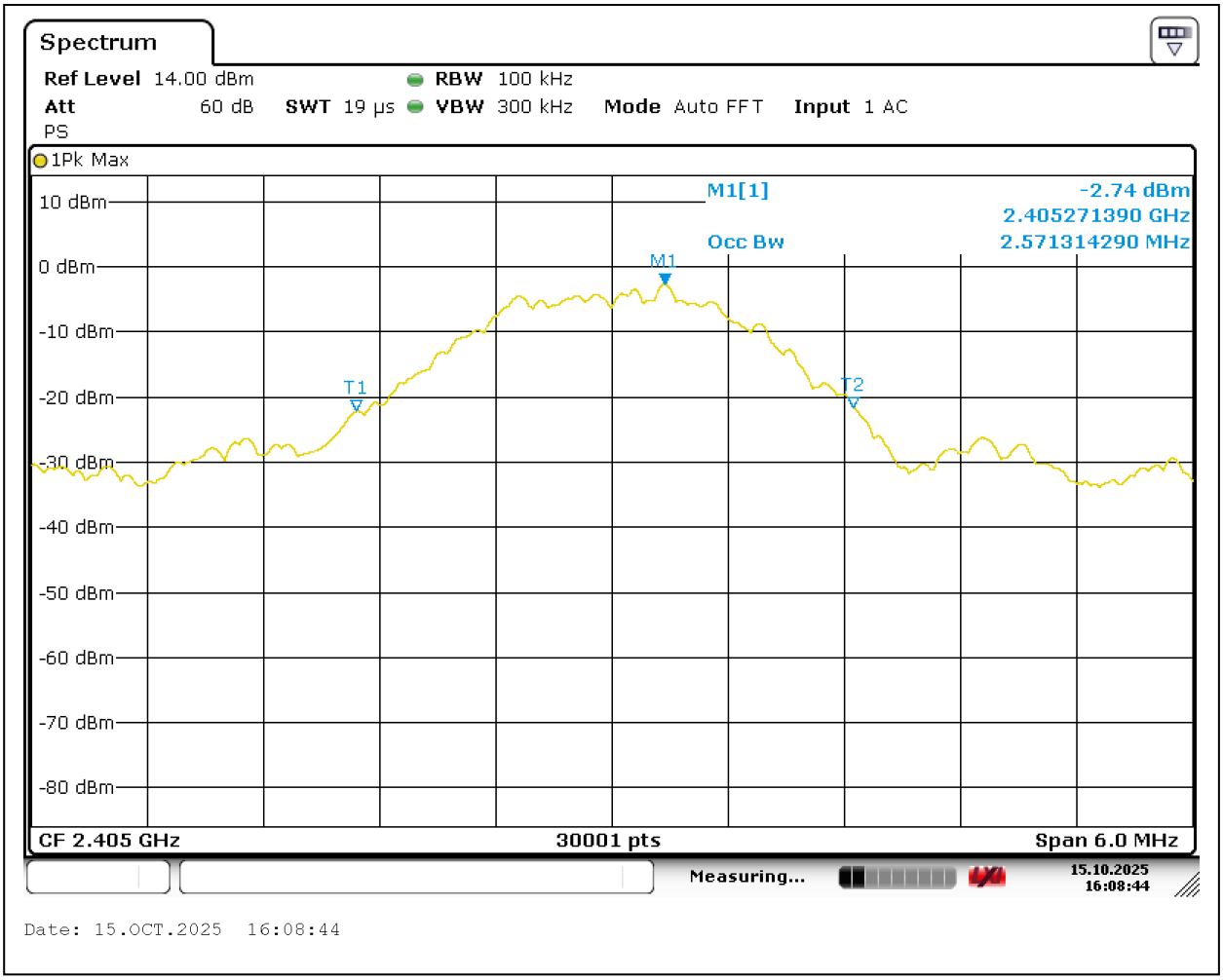


Graph 3.1.3 – High Channel

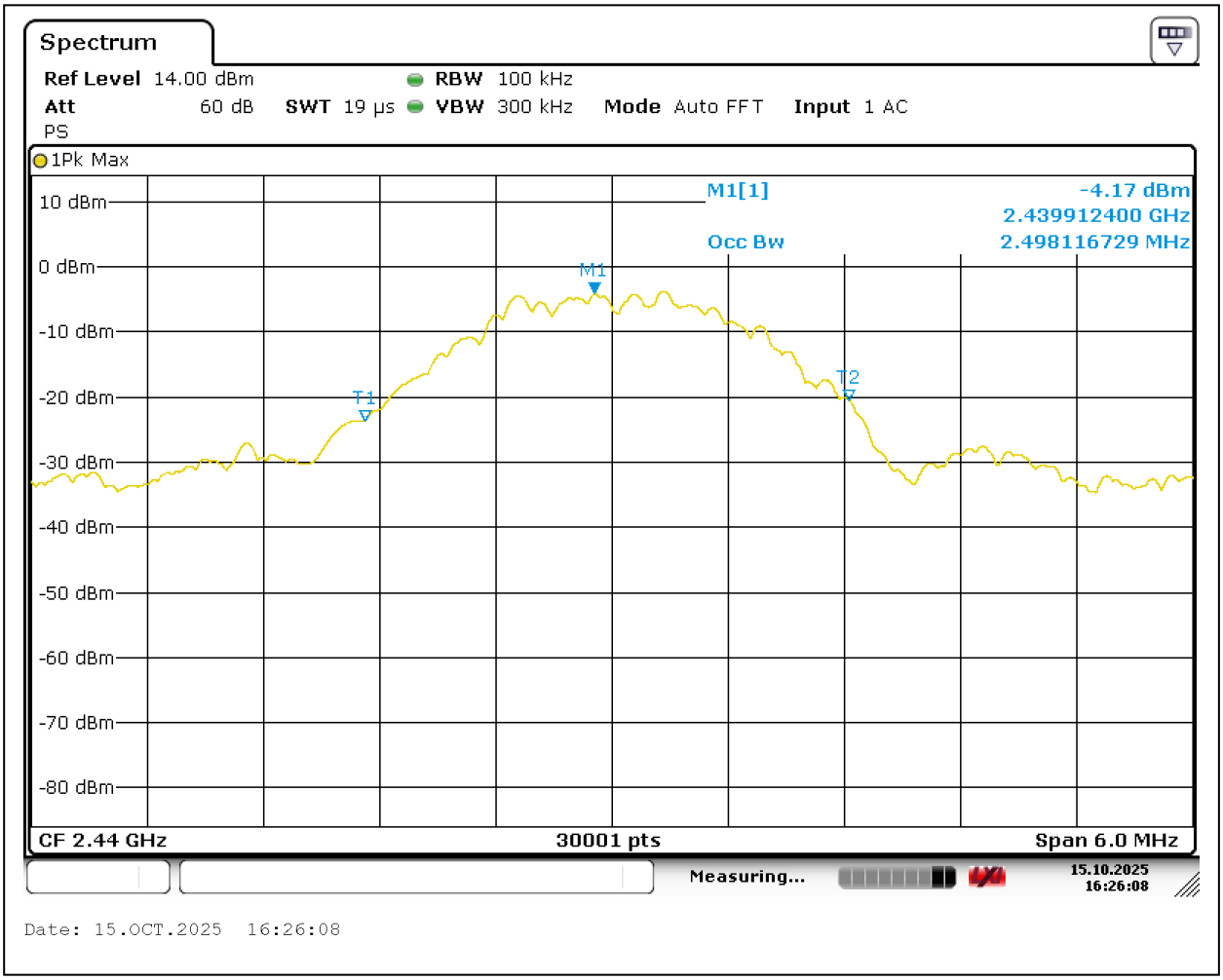
3.1.1 Occupied Bandwidth (OBW) (99%)

Low Frequency Channel kHz	Middle Frequency Channel kHz	Upper Frequency Channel kHz
2571.31	2498.12	2598.11
RBW: ☒ 100kHz **VBW:** ☒ 300kHz		

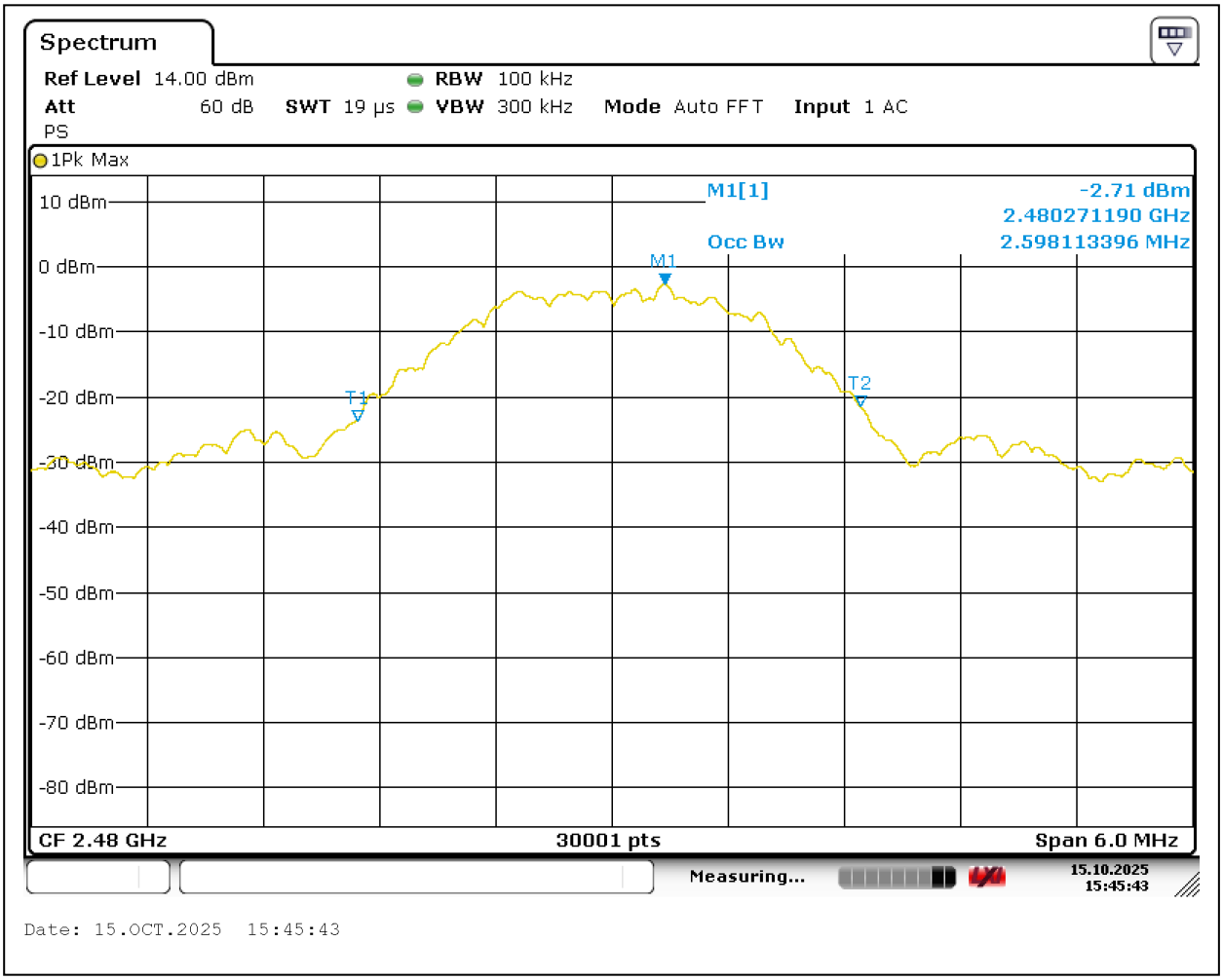
Notes: None



Graph 3.1.1.1 – Low Channel



Graph 3.1.1.2 – Middle Channel



Graph 3.1.1.3 – High Channel

3.2 Maximum peak output power

Test location: ☐ OATS ☐ Anechoic Chamber ☒ Other

Test result: **Pass**

Max. Margin: 27.76dB below the limits

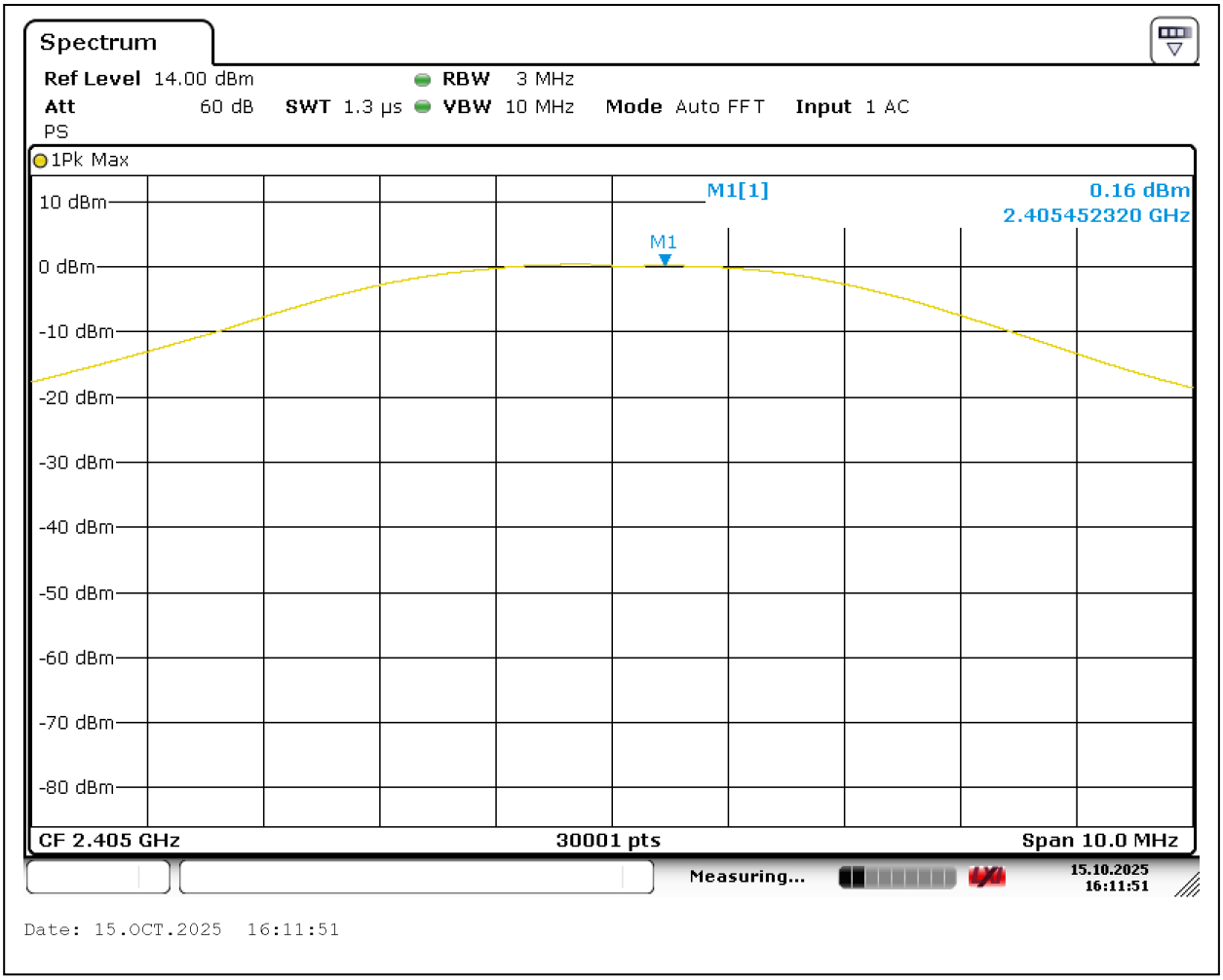
Power Output:	**Conducted**					
Frequency Range:	☐ 902-928MHz ☒ 2400-2483.5MHz ☐ 5725-5850MHz					
Low Frequency MHz	**Measured power dBm**	**Attenuation dB**	**Power at Antenna dBm**	**Limit dBm**	**Limit Reduction dB**	**Margin dB**
2405	0.16	1.5	1.66	30	0	28.34
Middle Frequency MHz						
2440	0.21	1.5	1.71	30	0	28.29
Upper Frequency MHz						
2480	0.74	1.5	2.24	30	0	27.76
RBW:	☐ 1MHz ☒ 3MHz ☐ 10MHz					
VBW:	☐ 1MHz ☐ 3MHz ☒ 10MHz					
Antenna Gain:	☒ < 6dBi ☐ >6dBi and = dBi, Output power reduction = dB					

Power Output:	**Conducted**					
Frequency Range:	☐ 902-928MHz ☒ 2400-2483.5MHz ☐ 5725-5850MHz					
Low Frequency MHz	**Measured power dBm**	**Attenuation dB**	**EIRP dBm**	**ISED EIRP Limit dBm**	**Limit Reduction dB**	**Margin dB**
2405	0.16	1.5	4.96	36	0	31.04
Middle Frequency MHz						
2440	0.21	1.5	5.01	36	0	30.99
Upper Frequency MHz						
2480	0.74	1.5	5.54	36	0	30.46
RBW:	☐ 1MHz ☒ 3MHz ☐ 10MHz					
VBW:	☐ 1MHz ☐ 3MHz ☒ 10MHz					
Antenna Gain:	☒ +3.3dBi **EIRP= Power + Antenna Gain**					

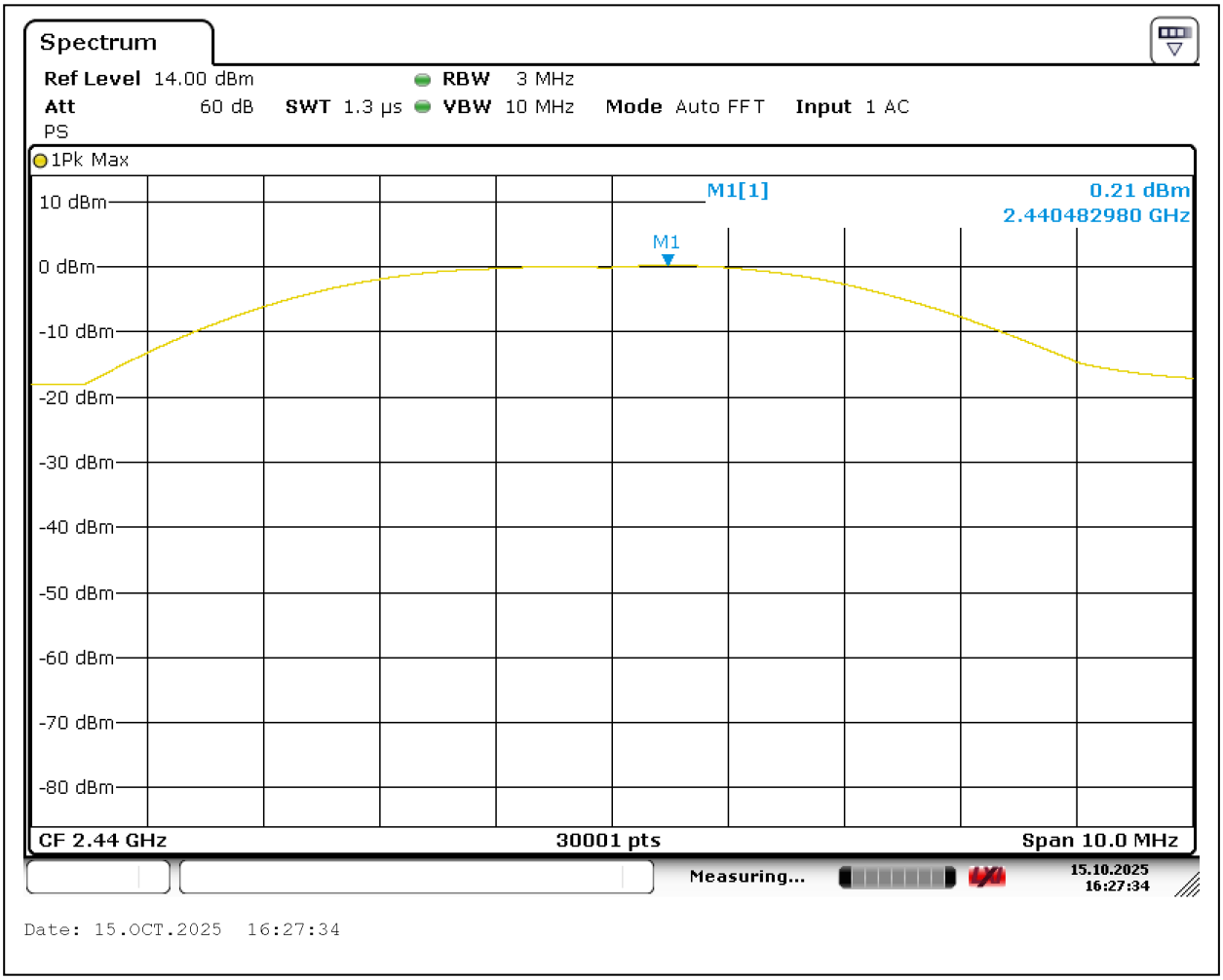
Notes: The procedure described in ANSI C63.10-2020 was used. Specifically, Section 11.9.1.1 RBW ≥ DTS bandwidth was utilized as the spectrum analyzer's resolution bandwidth was greater than the DTS bandwidth.

The maximum peak conducted output power limit is 1 W, or 30dBm.
The maximum EIRP limit is 4 W, or 36dBm.

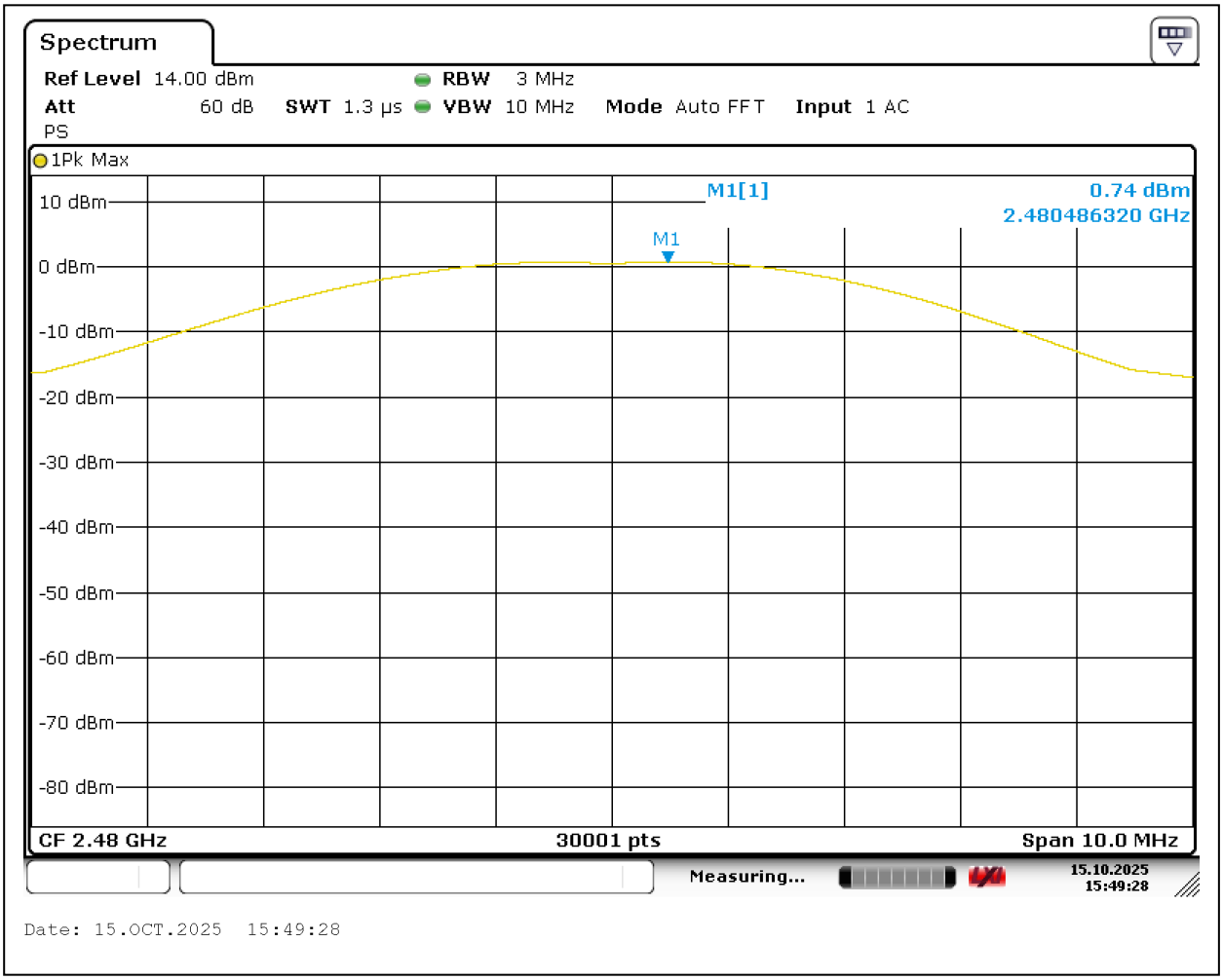
Graphs 3.2.1, 3.2.2, and 3.2.3 show the conducted output power.



Graph 3.2.1 – Low Channel



Graph 3.2.2 – Middle Channel

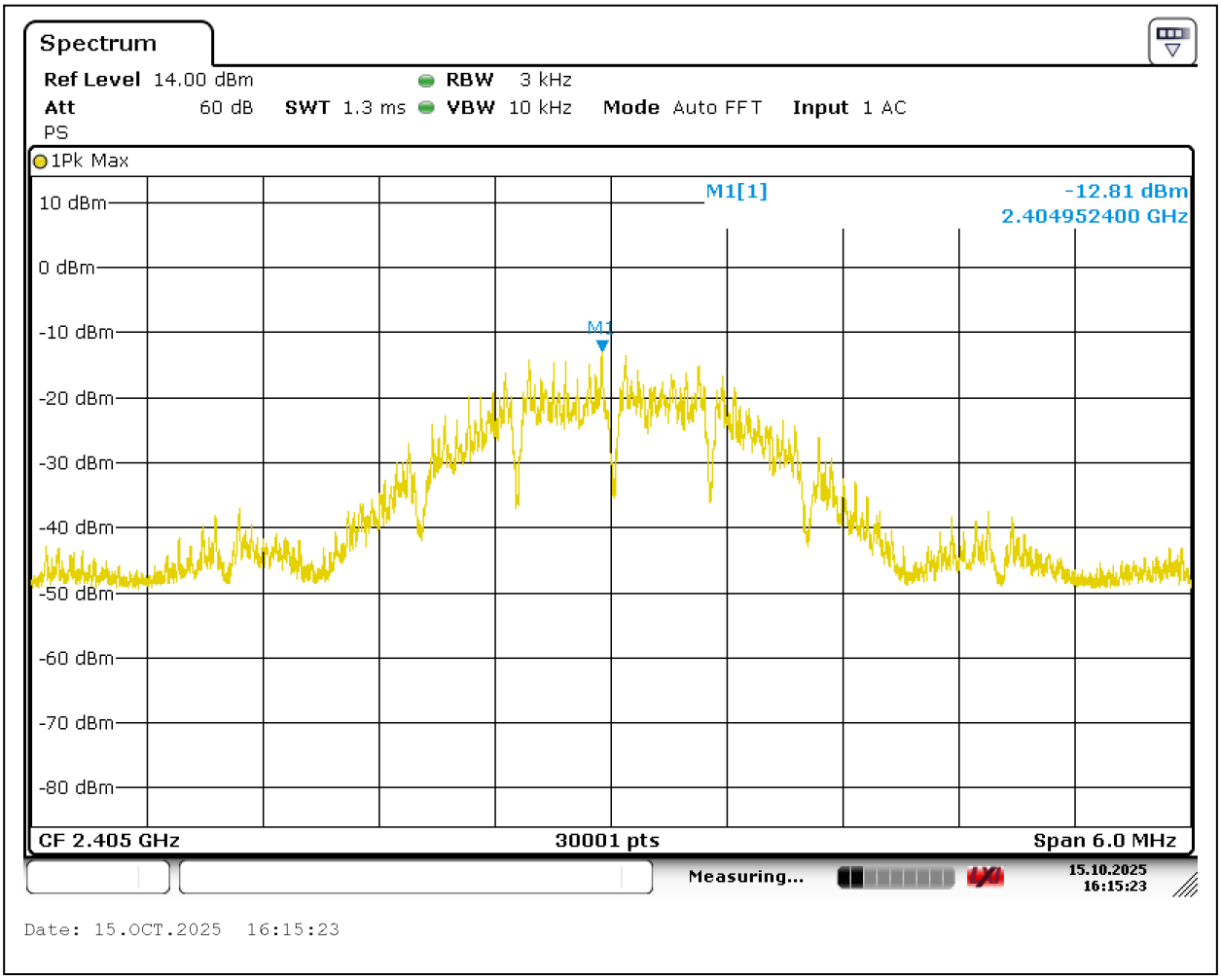


Graph 3.2.3 – High Channel

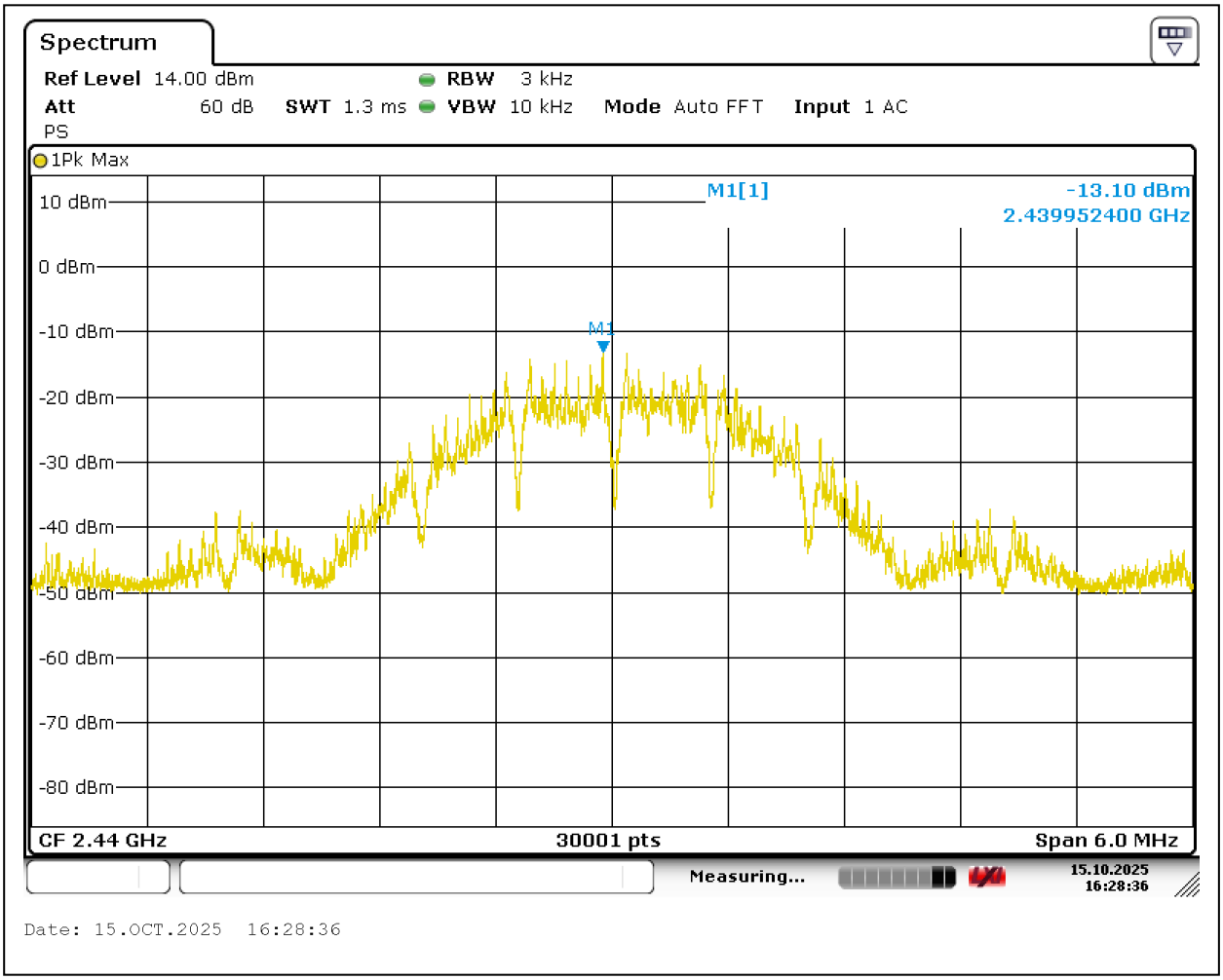
3.3 Power spectral density

Power Output:	☒ Conducted ☐ Radiated			
	Measured Density dBm	**Power Density at Antenna dBm**	**Limit dBm**	**Margin dB**
Low Frequency Channel	-12.81	-11.31	8	-19.31
Middle Frequency Channel	-13.10	-11.60	8	-19.60
Upper Frequency Channel	-12.76	-11.26	8	-19.26
Analyzer Settings:	☒ RBW=3kHz ☒ VBW=10kHz ☒ Span=6MHz ☒ Sweep=Auto			
Antenna Gain:	☒ < 6dBi and = 3.3 dBi ☐ >6dBi and = dBi, limit reduction = dB			

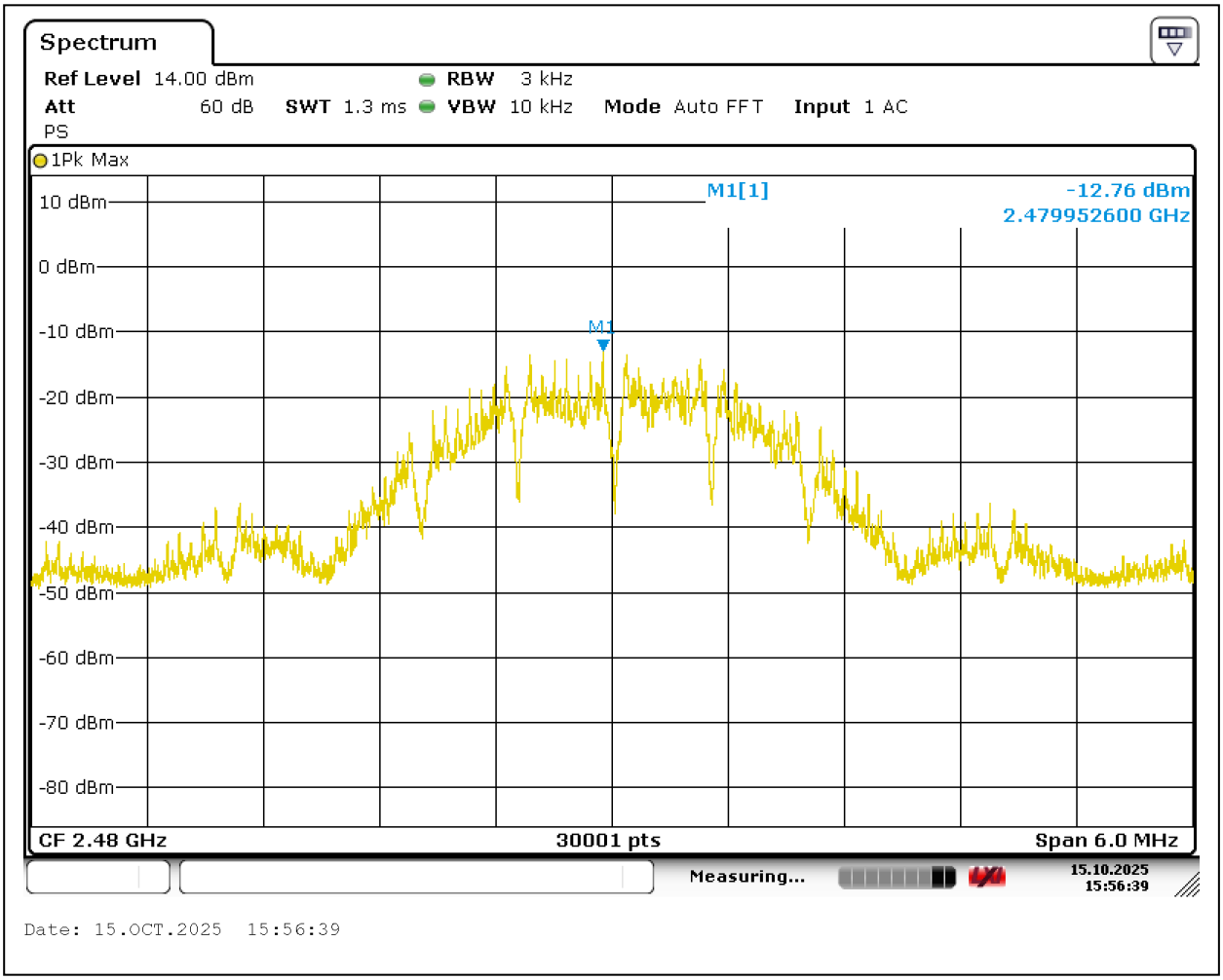
Notes: The Power Spectral Density at Antenna was calculated adding the cable loss of 1.5 dB from the measured density value.



Graph 3.3.1 – Low Channel



Graph 3.3.2 – Middle Channel

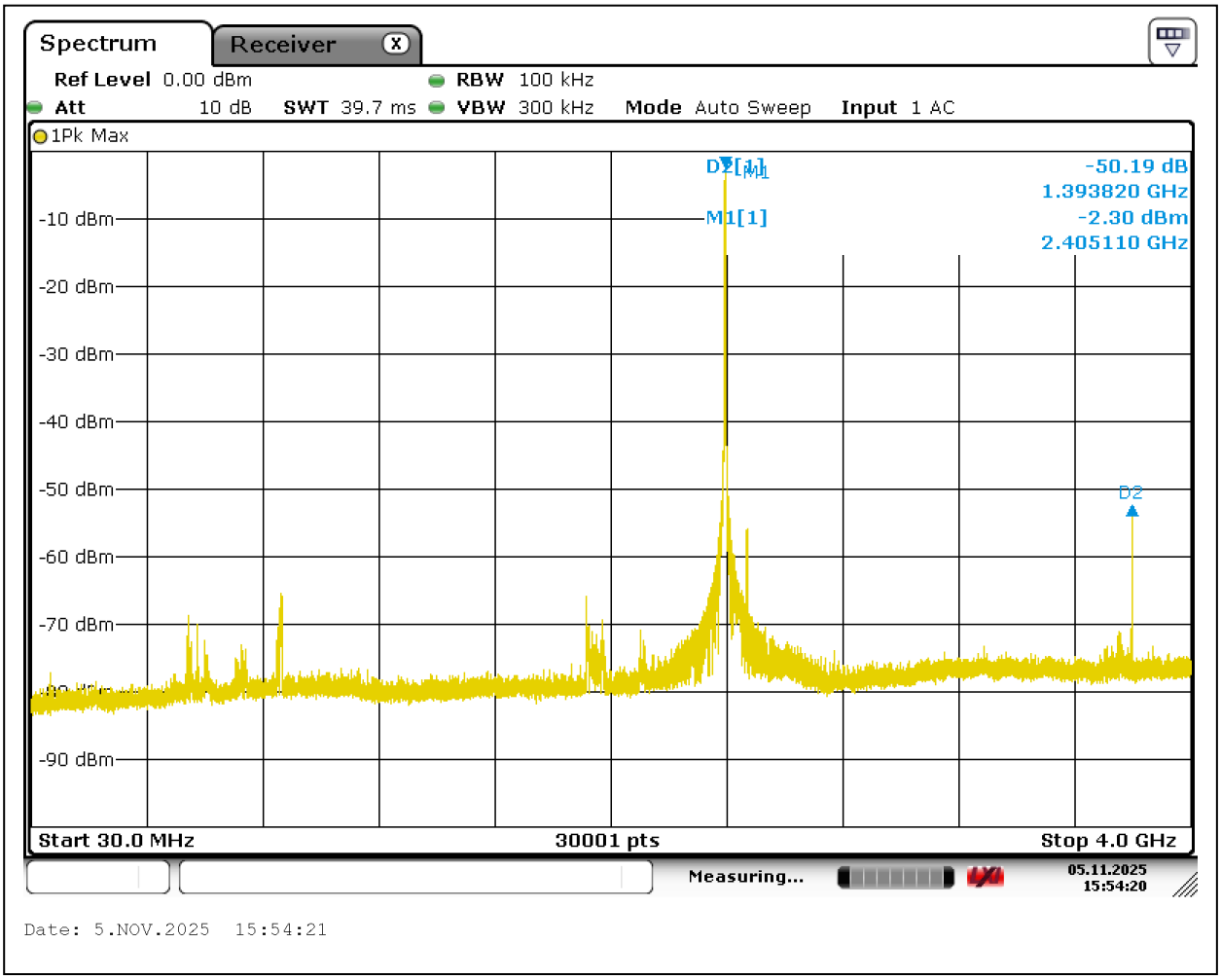


Graph 3.3.3 – High Channel

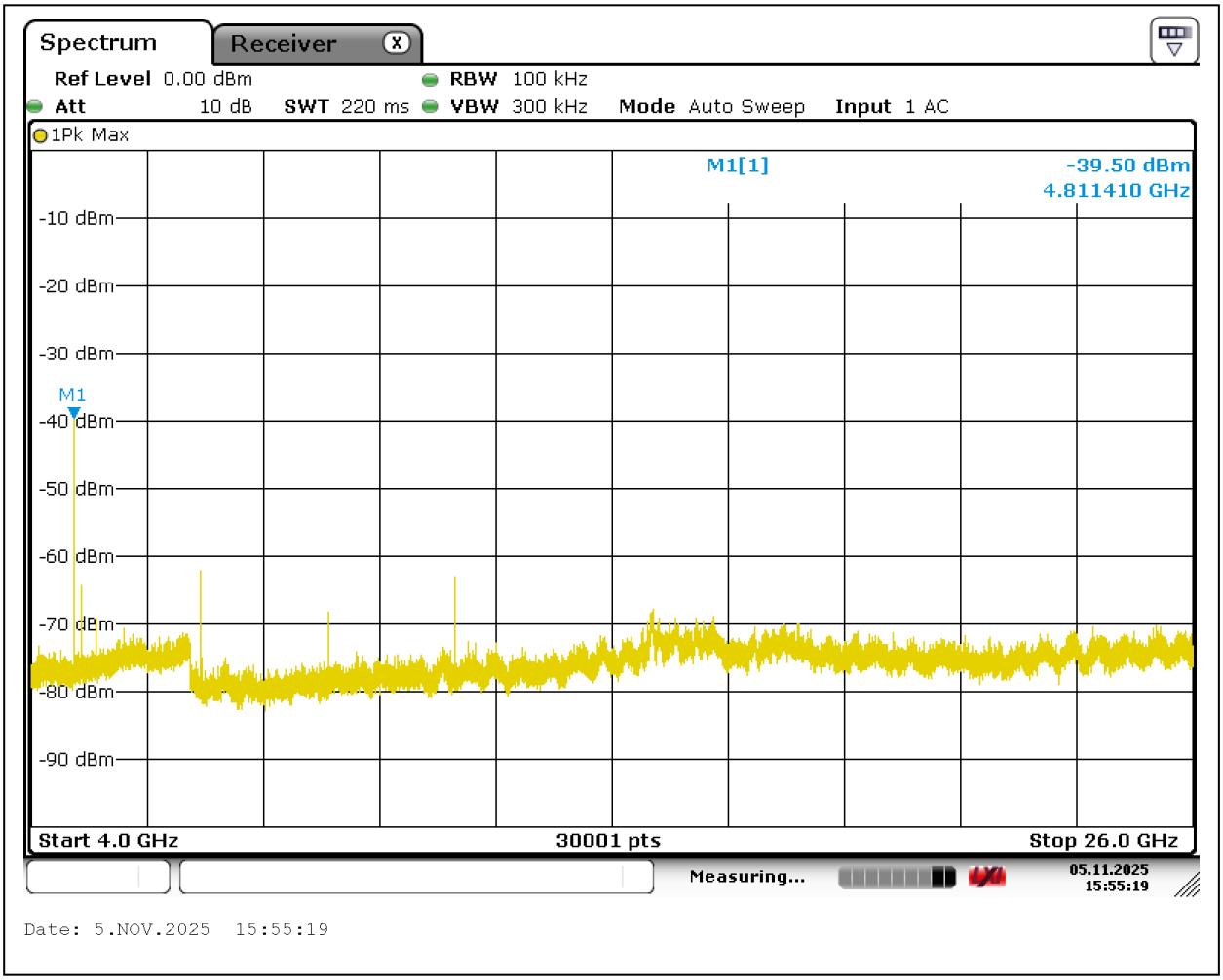
3.4 Antenna conducted spurious emissions

	Minimum Measured Attenuation dB	Minimum Allowed Attenuation dB	Margin dB	Band Edge Margin dB
Low Frequency Channel	37.20	20	-17.20	-33.41
Middle Frequency Channel	39.62	20	-19.62	-
Upper Frequency Channel	31.45	20	-11.45	-19.76
Analyzer Settings:	☒ RBW=100KHz			
Minimum Allowed Attenuation:	☒ 20dB ☐ 30dB (for digital systems with conducted power measured using RMS averaging over a time interval)			

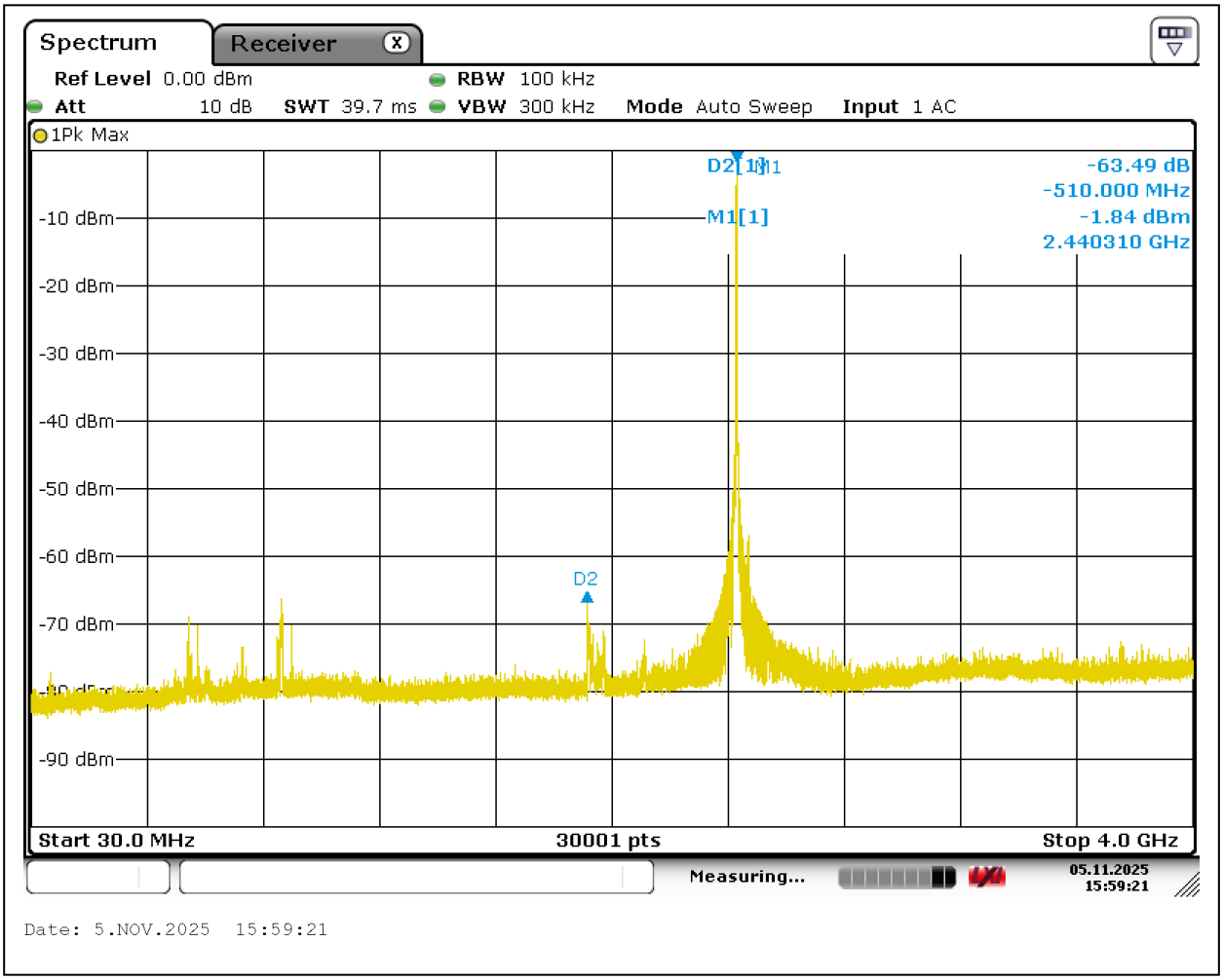
Notes: Graphs 3.4.1 – 3.4.6 show antenna conducted spurious emissions.
Graphs 3.4.7 – 3.4.8 show band edge compliance.



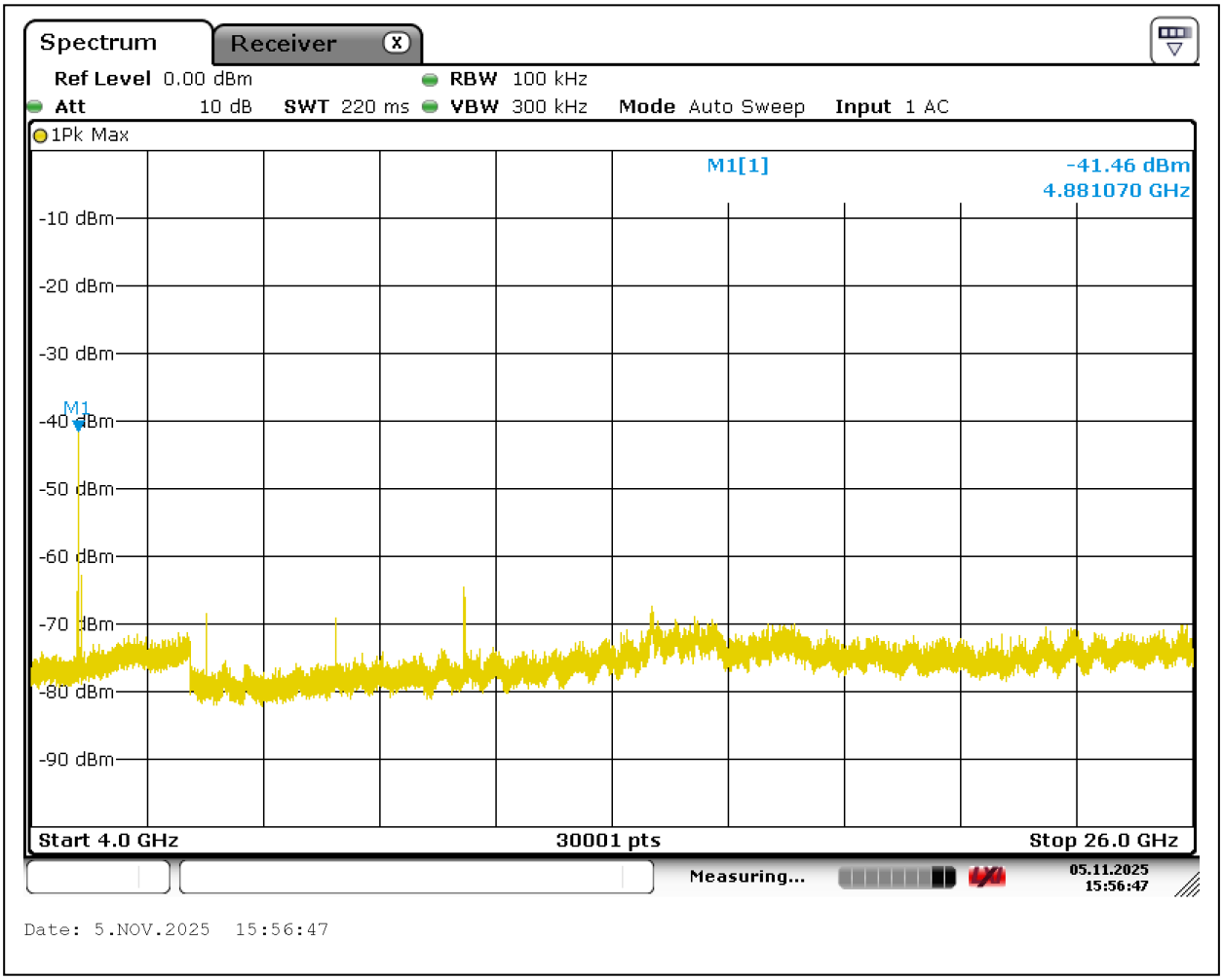
Graph 3.4.1 – Low Channel, 30MHz to 4GHz



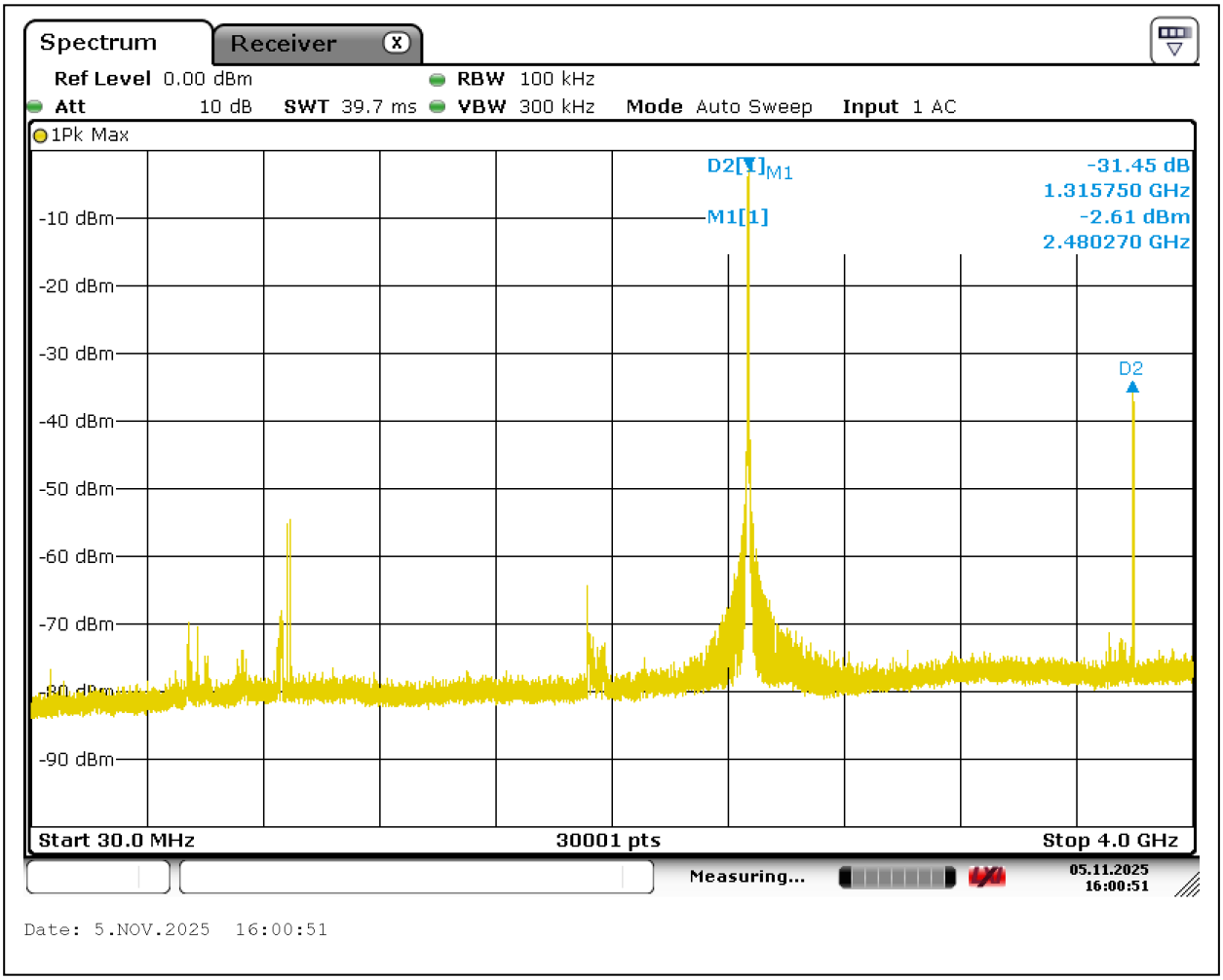
Graph 3.4.2 – Low Channel, 4GHz to 26GHz



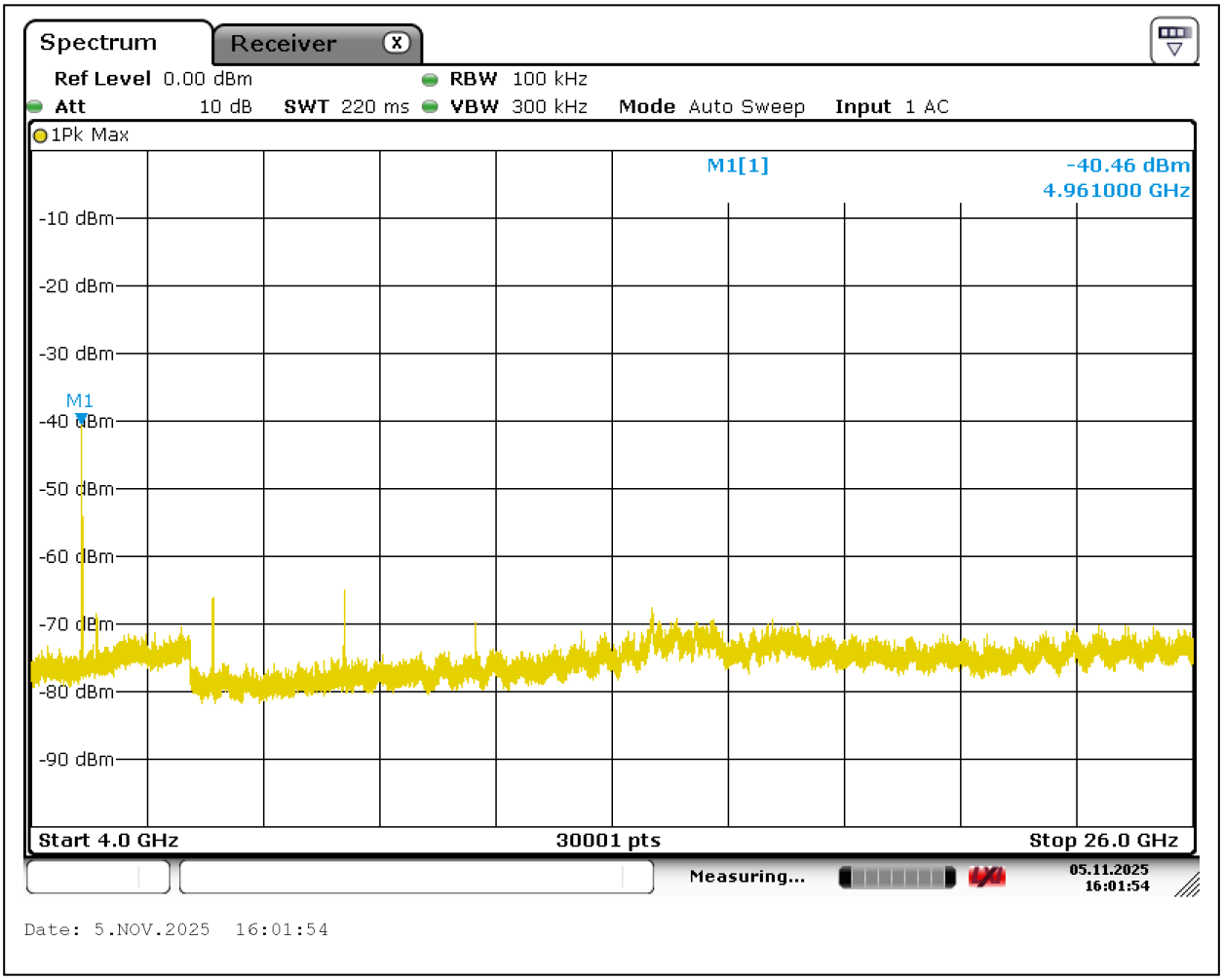
Graph 3.4.3 – Middle Channel, 30MHz to 4GHz



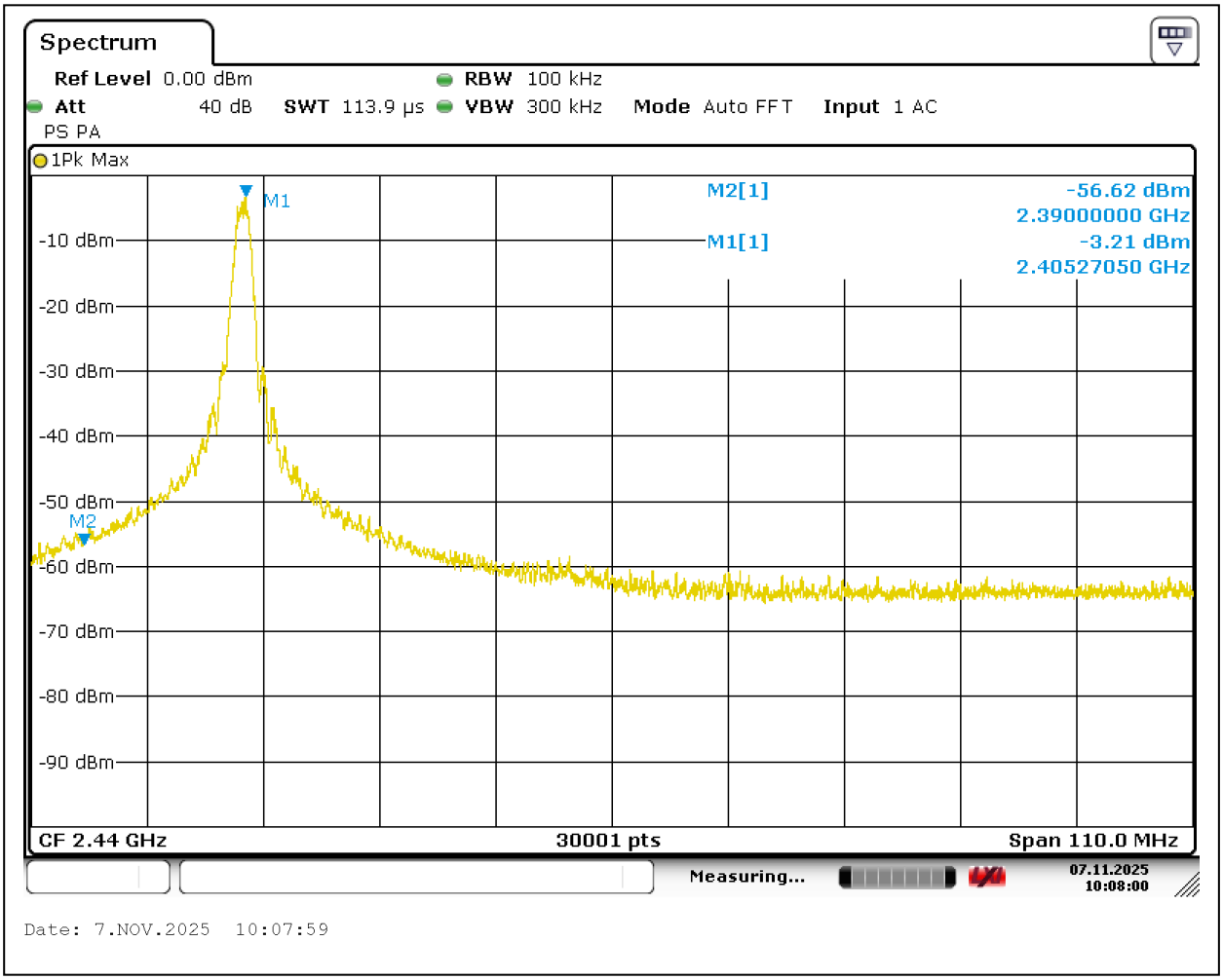
Graph 3.4.4 – Middle Channel, 4GHz to 26GHz



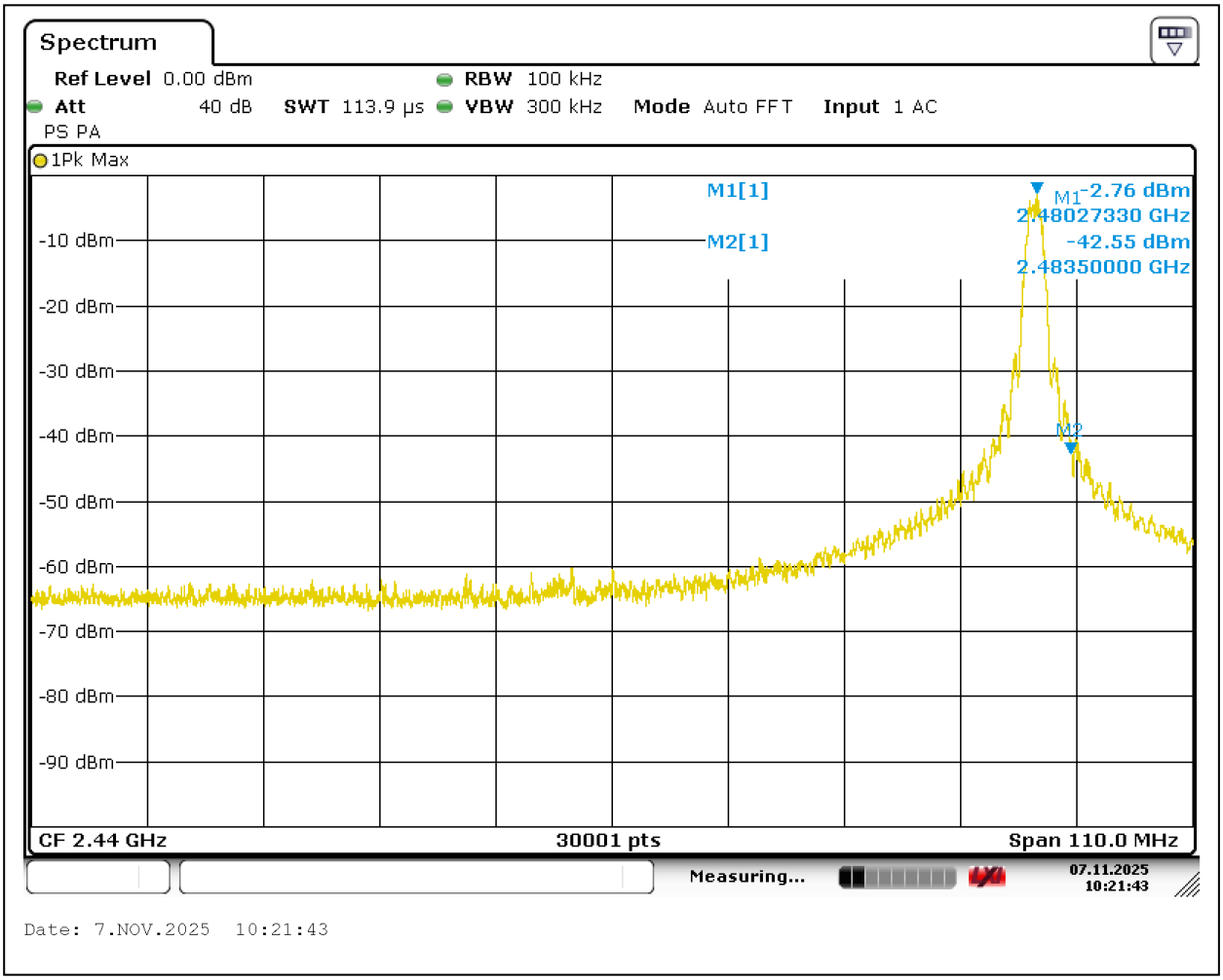
Graph 3.4.5 – High Channel, 30MHz to 4GHz



Graph 3.4.6 – High Channel, 4GHz to 26GHz



Graph 3.4.7 – Low Channel, Band Edge



Graph 3.4.8 – High Channel, Band Edge

3.5 Radiated spurious emissions

Test location: ☐ OATS ☒ Anechoic Chamber ☐ Other

Test result: **Pass**

Max. Margin: 5.4dB below the limits

EUT was configured to transmit continuously. Radiated emission measurements were performed from 9 kHz to 26.5 GHz according to the procedure described in ANSI C64.10.

Spectrum analyzer resolution bandwidth is 200 Hz for frequencies 9 kHz to 150 kHz. Resolution bandwidth is 120 kHz for frequencies 30 MHz to 1000 MHz and 1 MHz for frequencies above 1 GHz. Above 1 GHz, both Peak and Average measurements were performed. The Peak level of radiated emissions was measured with a peak detector. The Average level of radiated emissions was measured with an Average detector. Quasi-peak level of radiated emissions was measured with a CISPR Quasi-peak detector.

The EUT is placed on a non-conductive turntable that is 80 cm in height for frequencies 30 MHz to 1000 MHz, 1.5 meters for frequency above 1000 MHz. If the EUT attaches to peripherals, they are connected and operational (as typical as possible). During testing, all cables were manipulated to produce worst-case emissions. The signal is maximized through rotation. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters.

Data included is representative of the worst-case configuration (the configuration which resulted in the highest emission levels). Data provided is corrected for distance, cables, preamp, filters and antenna factors then compared to the limits

Note 1: Exploratory radiated emissions were performed in Face Up, Face Down and Vertical orientations. Final measurements were taken in Face Up orientation as it was determined to be the worst-case orientation. (Tables 3.5.1 – 3.5.3 and Graphs 3.5.1 - 3.5.30 show worst case measurement)
Note 2: No Spurious emissions were detected in the frequency ranges 9 kHz to 30MHz, 1GHz to 4GHz (fundamental TX frequency was excluded), and above the third harmonic.

Date:	2025-10-16 to 2025-10-29	**Result: Pass**
Tested by:	Jayden Alstad	
Standard:	FCC part 15.247(d) / RSS-247 6.6	
Test Point:	Enclosure	
Operation mode:	See page 5	
Environmental Conditions:	22°C; 33%(RH); 102kPa	
Equipment Verification:	☒	
Note:	Frequency Range: 30MHz to 1GHz	

Table 3.5.1

Frequency	Pol.	Height (m)	Total Correction (dB/m)	QP Level (dBµV/m)	QP Limit (dBµV/m)	Margin (dB)	Channel
196.14 MHz	Vertical	1.17	17.02	7.2	43.50	-36.30	Low
468.28 MHz	Vertical	2.50	23.42	21.74	46.00	-24.26	Low
301.81 MHz	Horizontal	1.00	19.49	9.79	46.00	-36.21	Low
465.94 MHz	Horizontal	1.64	23.31	13.98	46.00	-32.02	Low
631.09 MHz	Horizontal	2.70	26.47	19.34	46.00	-26.66	Low
666.96 MHz	Horizontal	1.43	27.15	18.8	46.00	-27.20	Low
911.87 MHz	Horizontal	3.46	30.40	22.67	46.00	-23.33	Low
314.98 MHz	Vertical	1.00	19.95	26.14	46.00	-19.86	Middle
400.88 MHz	Vertical	2.38	22.35	29.78	46.00	-16.22	Middle
515.44 MHz	Vertical	3.11	24.27	27.3	46.00	-18.70	Middle
44.38 MHz	Horizontal	1.01	21.80	12.02	40.00	-27.98	Middle
314.96 MHz	Horizontal	1.30	19.95	17.21	46.00	-28.79	Middle
400.88 MHz	Horizontal	3.56	22.35	22.69	46.00	-23.31	Middle
314.97 MHz	Vertical	1.03	19.95	25.78	46.00	-20.22	High
400.88 MHz	Vertical	3.17	22.35	28.36	46.00	-17.64	High
911.16 MHz	Vertical	3.66	30.40	22.59	46.00	-23.41	High
400.91 MHz	Horizontal	3.85	22.35	23.13	46.00	-22.87	High
924.72 MHz	Horizontal	1.94	30.60	22.72	46.00	-23.28	High

Date:	2025-10-16 to 2025-10-29	**Result: Pass**
Tested by:	Jayden Alstad	
Standard:	FCC part 15.247(d) / RSS-247 5.5	
Test Point:	Enclosure	
Operation mode:	See page 5	
Environmental Conditions:	22°C; 33%(RH); 102kPa	
Equipment Verification:	☒	
Note:	Frequency Range: 4GHz to 18GHz	

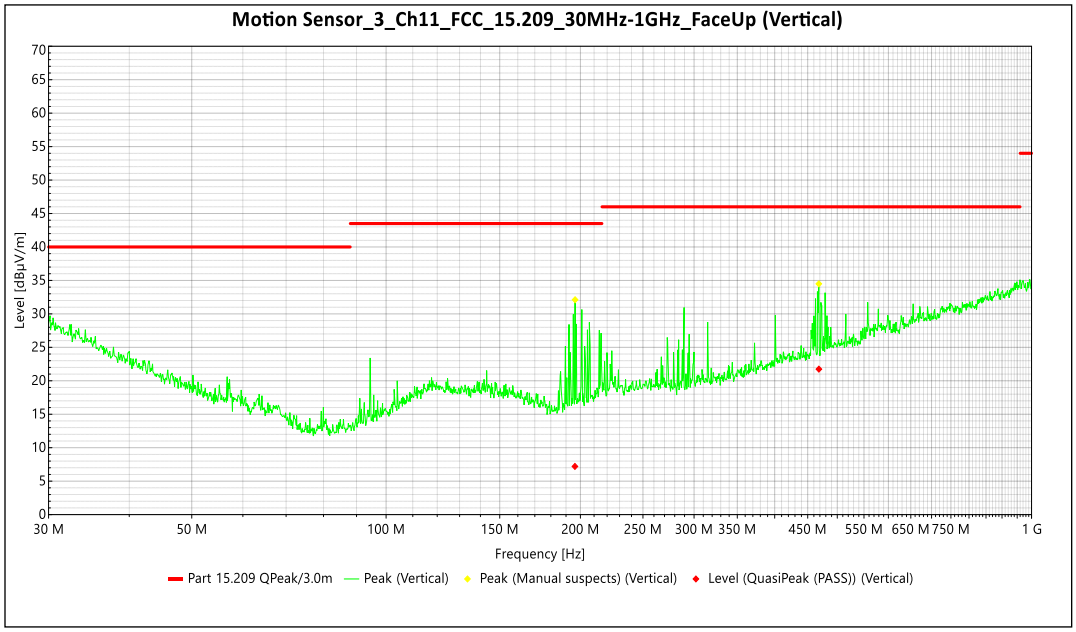
Table 3.5.2

Frequency	Antenna		Ant. CF	Cable loss	Pre-amp	Reading	Total @ 3m	Limit	Margin	Comments
MHz	Polarity	Hts(cm)	dB1/m	dB	Gain (dB)	dBµV	dBµV/m	dBµV/m	dB	
Low channel										
4810.00	V	380	33.1	7.5	43.9	48.6	45.3	54.0	-8.7	Average
4811.00	H	100	33.1	7.5	43.9	49.0	45.7	54.0	-8.3	Average
4811.00	V	380	33.1	7.5	43.9	64.9	61.6	74.0	-12.4	Peak
4811.00	H	100	33.1	7.5	43.9	63.8	60.5	74.0	-13.6	Peak
7216.00	V	249	35.8	9.3	44.5	41.2	41.8	74.0	-32.2	Peak
7216.00	H	300	36.0	9.3	44.5	44.1	44.9	74.0	-29.1	Peak
Mid channel										
4880.00	V	201	33.2	7.6	44.0	51.8	48.6	54.0	-5.4	Average
4880.00	H	100	33.2	7.6	44.0	45.1	41.9	54.0	-12.1	Average
4880.00	V	201	33.2	7.6	44.0	64.5	61.3	74.0	-12.7	Peak
4880.00	H	100	33.2	7.6	44.0	60.7	57.5	74.0	-16.5	Peak
7321.00	V	149	36.3	9.3	44.5	38.8	39.9	74.0	-34.1	Peak
7321.00	H	150	36.5	9.3	44.5	38.9	40.1	74.0	-33.9	Peak
High channel										
4960.00	V	250	33.4	7.6	44.1	45.0	41.9	54.0	-12.1	Average
4960.00	H	100	33.4	7.6	44.1	47.0	43.9	54.0	-10.1	Average
4960.00	V	250	33.4	7.6	44.1	57.2	54.1	74.0	-20.0	Peak
4960.00	H	100	33.4	7.6	44.1	61.7	58.6	74.0	-15.4	Peak
7442.00	V	150	36.8	9.4	44.6	42.7	44.3	74.0	-29.7	Peak
7442.00	H	100	36.8	9.4	44.6	41.0	42.6	74.0	-31.4	Peak

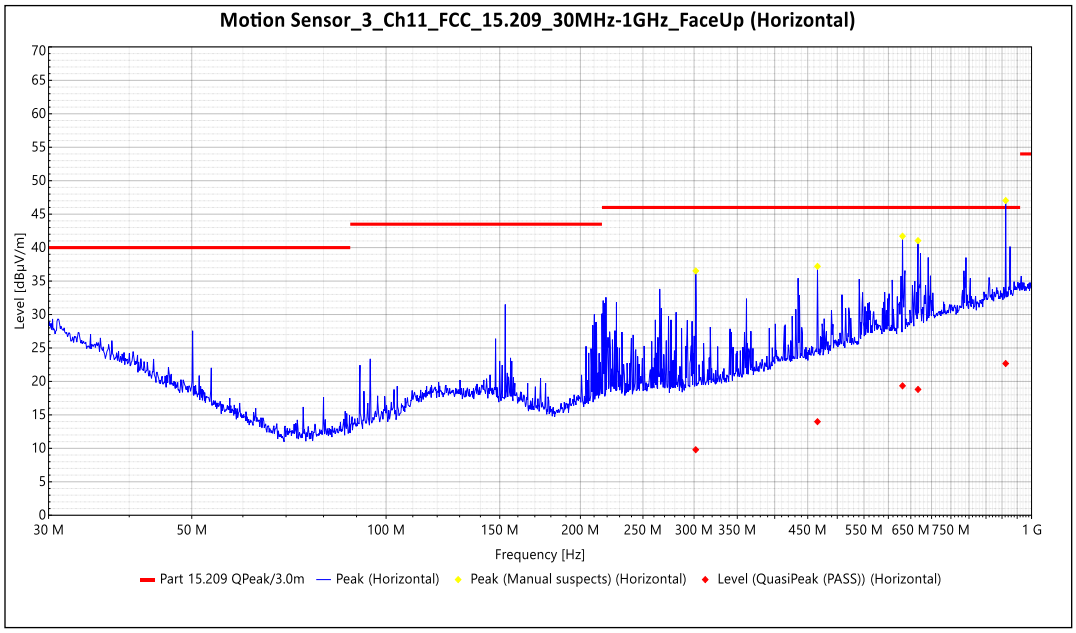
Date:	2025-10-16 to 2025-10-29	**Result: Pass**
Tested by:	Jayden Alstad	
Standard:	FCC part 15.247(d) / RSS-247 5.5	
Test Point:	Enclosure	
Operation mode:	See page 5	
Environmental Conditions:	22°C; 33%(RH); 102kPa	
Equipment Verification:	☒	
Note:	Band Edge Compliance	

Table 3.5.3

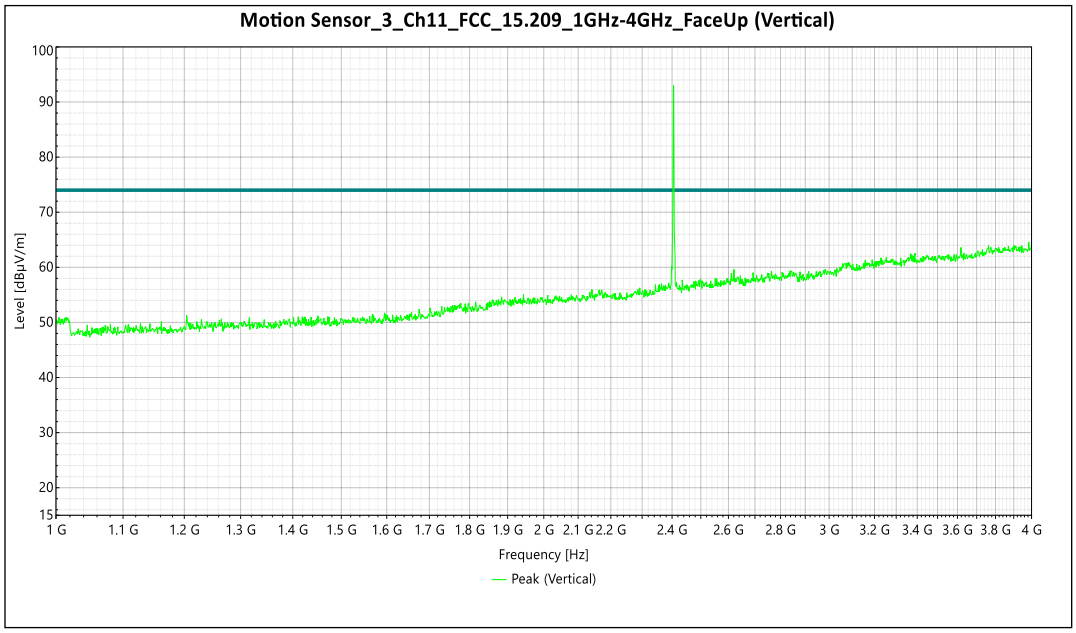
Frequency	Antenna		Ant. CF	Cable loss	Pre-amp	Reading	Total @ 3m	Limit	Margin	Comments
MHz	Polarity	Hts(cm)	dB1/m	dB	Gain (dB)	dBµV	dBµV/m	dBµV/m	dB	
2390.00	V	349	28.5	5.3	0.0	-0.3	33.5	54.0	-20.5	Average
2390.00	H	300	28.8	5.3	0.0	-0.3	33.8	54.0	-20.2	Average
2390.00	V	349	28.5	5.3	0.0	21.4	55.2	74.0	-18.8	Peak
2390.00	H	300	28.8	5.3	0.0	22.7	56.8	74.0	-17.2	Peak
2483.50	V	100	28.3	5.4	0.0	2.1	35.8	54.0	-18.2	Average
2483.50	H	100	28.5	5.4	0.0	2.5	36.4	54.0	-17.6	Average
2483.50	V	100	28.3	5.4	0.0	23.1	56.8	74.0	-17.2	Peak
2483.50	H	100	28.5	5.4	0.0	27.4	61.3	74.0	-12.7	Peak



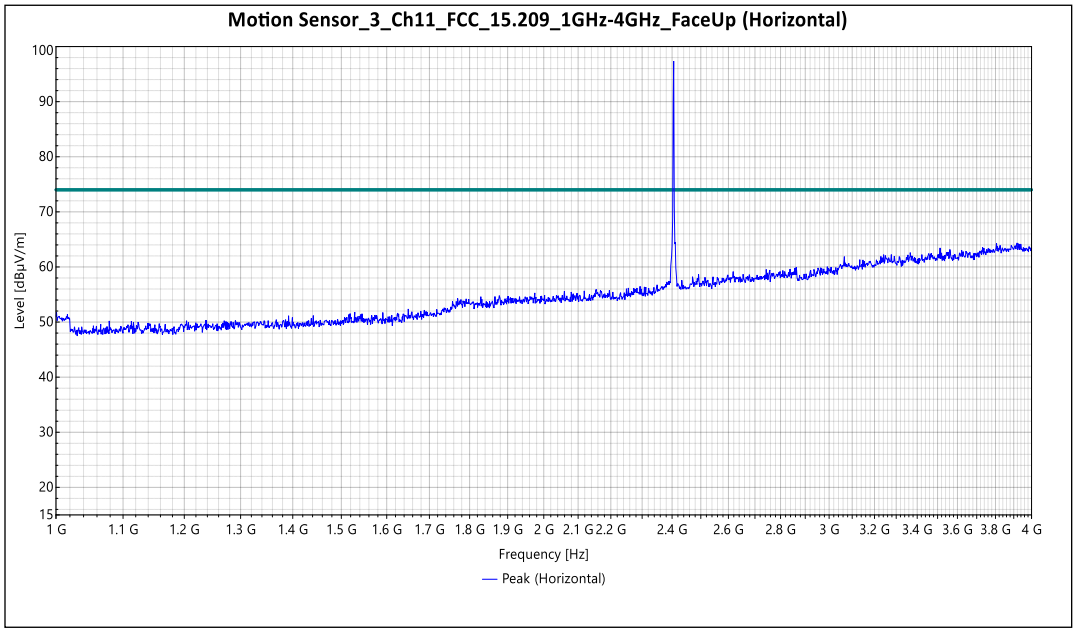
Graph 3.5.1 (Peak Readings, Low Channel)



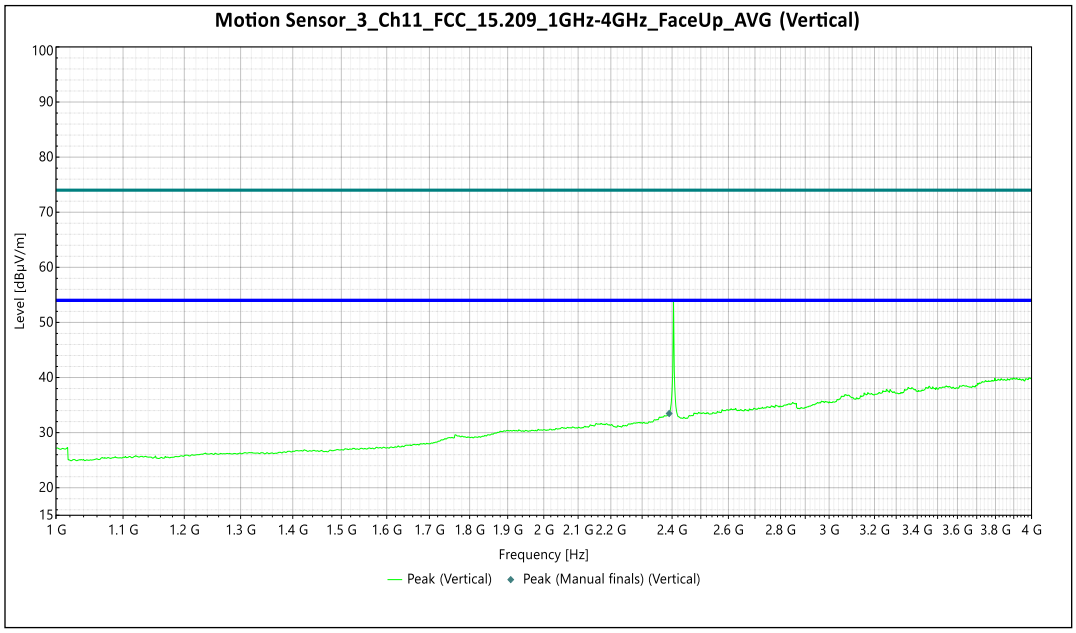
Graph 3.5.2 (Peak Readings, Low Channel)



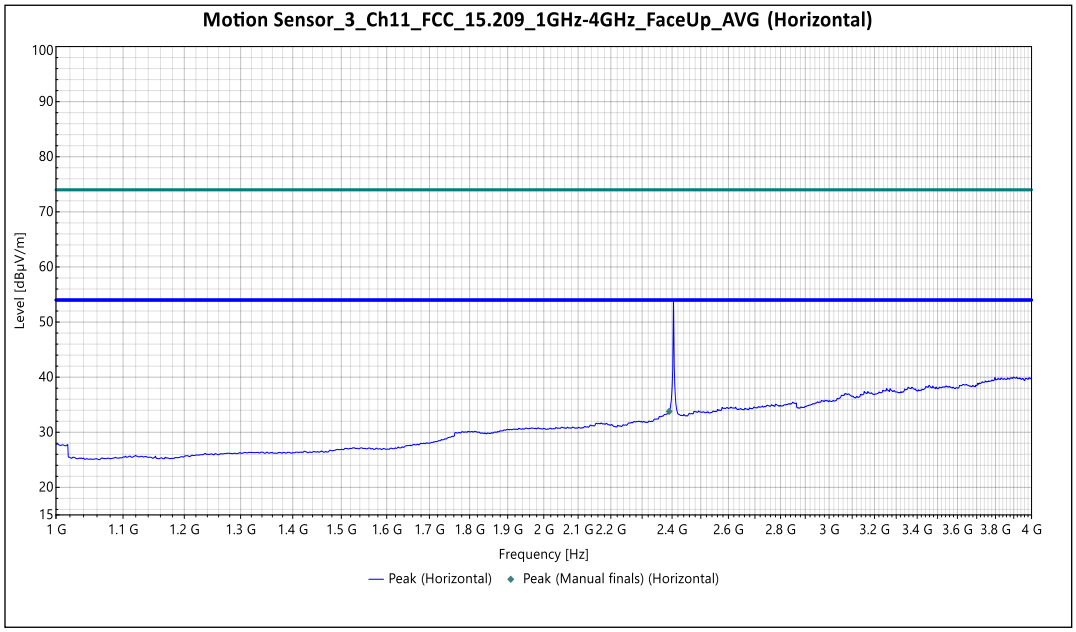
Graph 3.5.3 (Peak Readings, Low Channel)



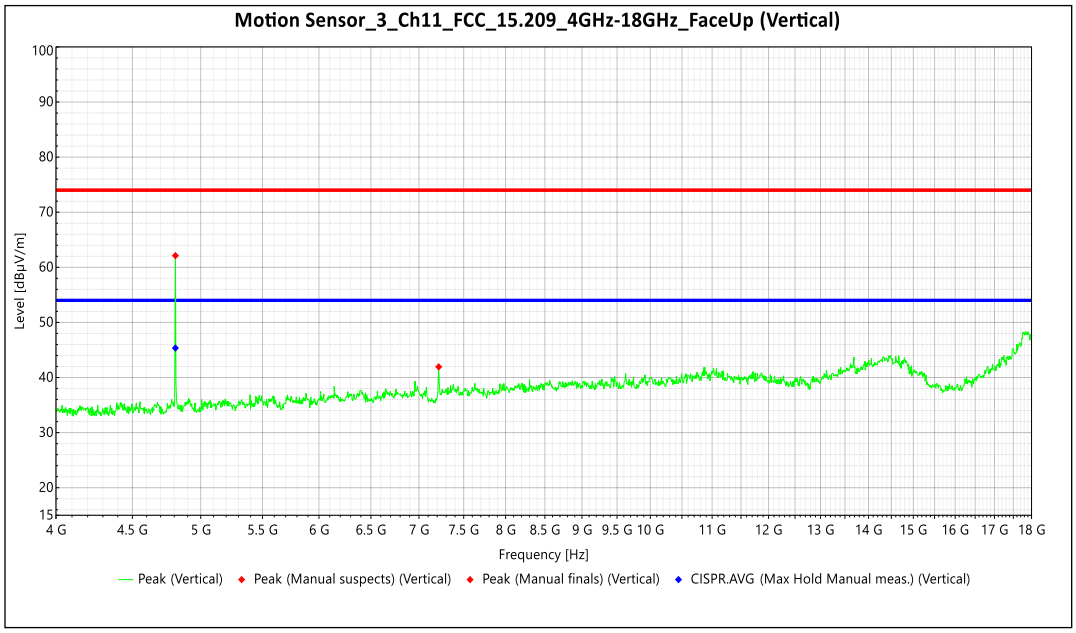
Graph 3.5.4 (Peak Readings, Low Channel)



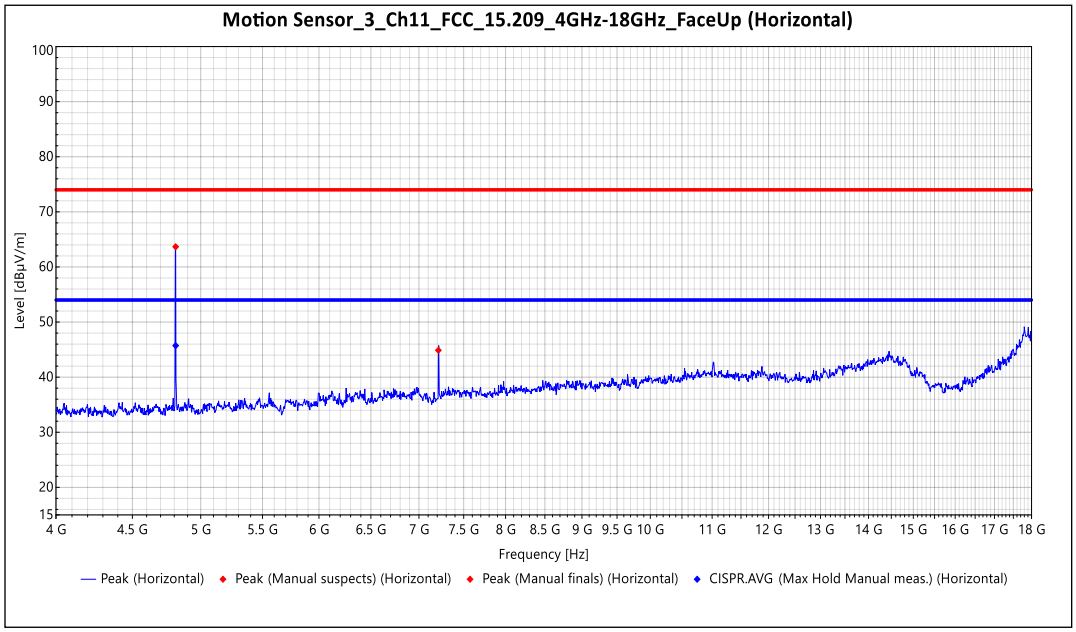
Graph 3.5.5 (Average Readings, Low Channel)



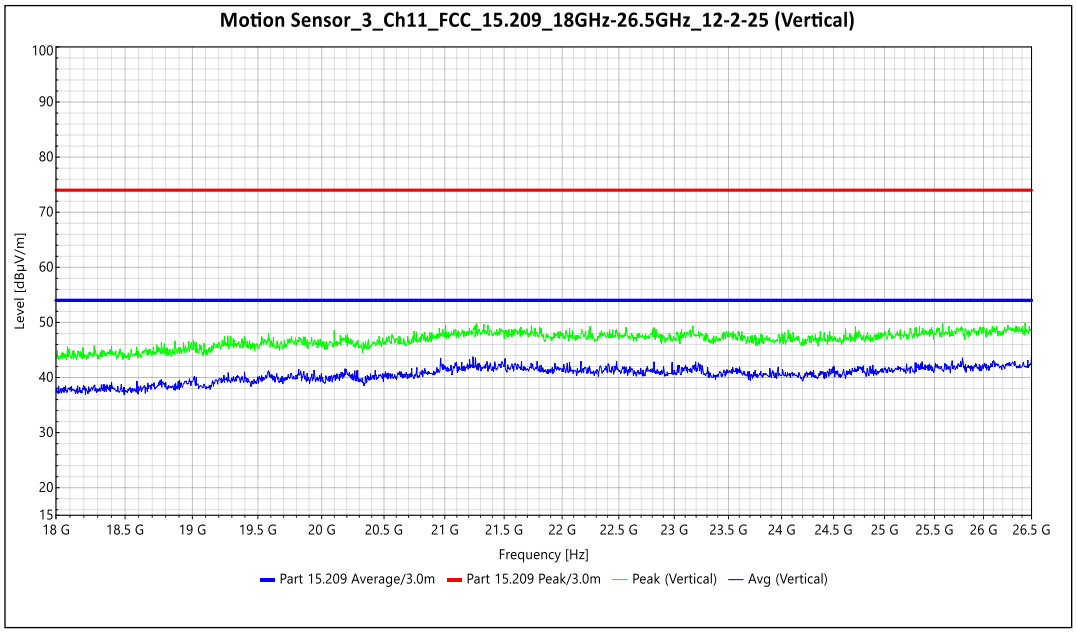
Graph 3.5.6 (Average Readings, Low Channel)



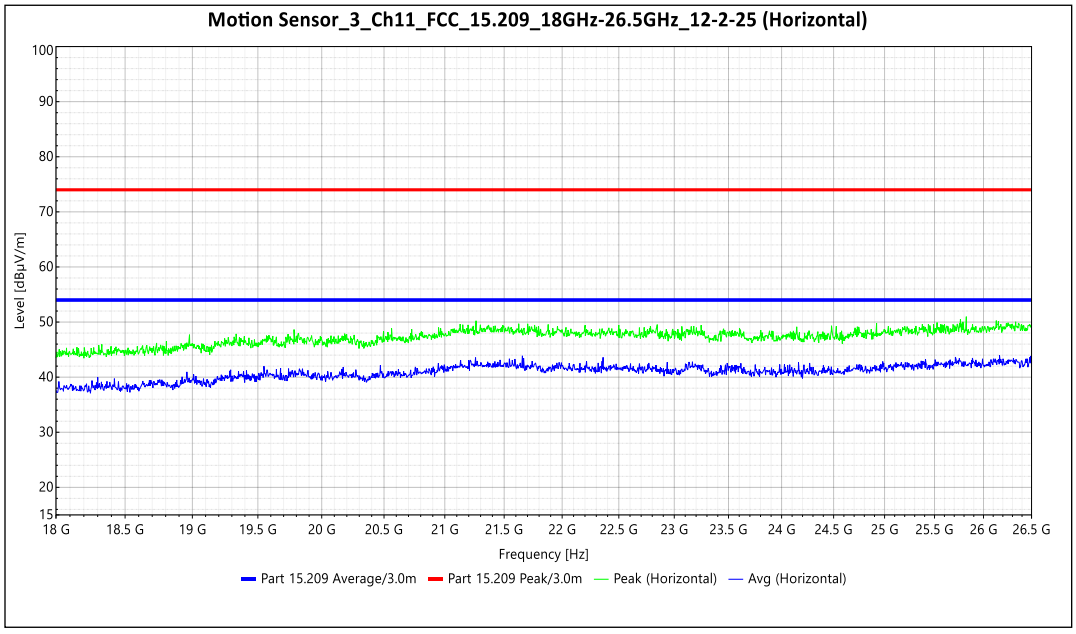
Graph 3.5.7 (Peak Readings, Low Channel)



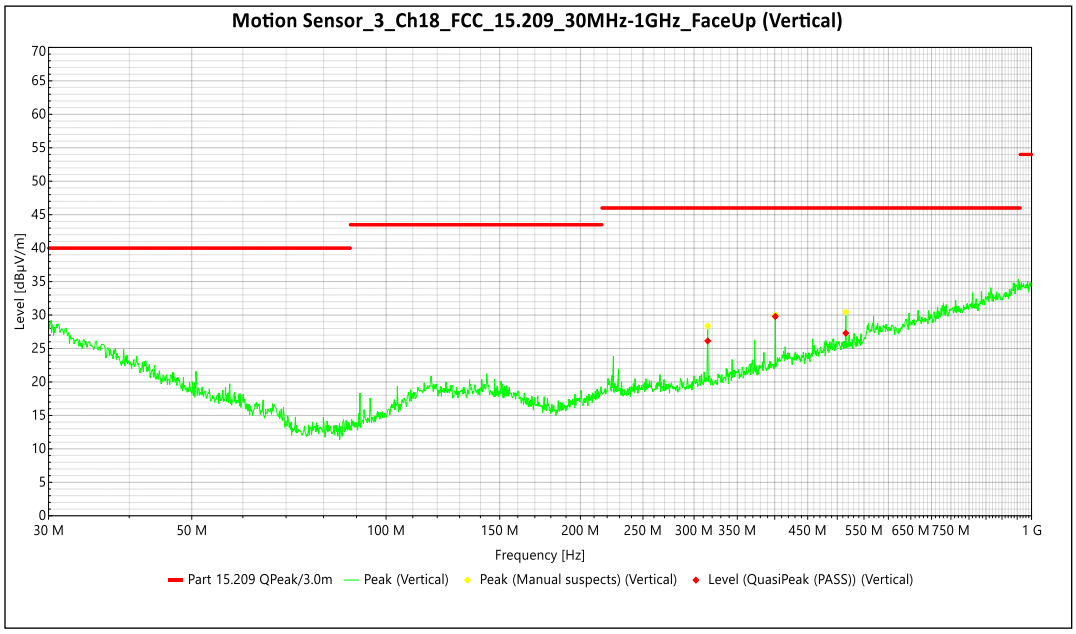
Graph 3.5.8 (Peak Readings, Low Channel)



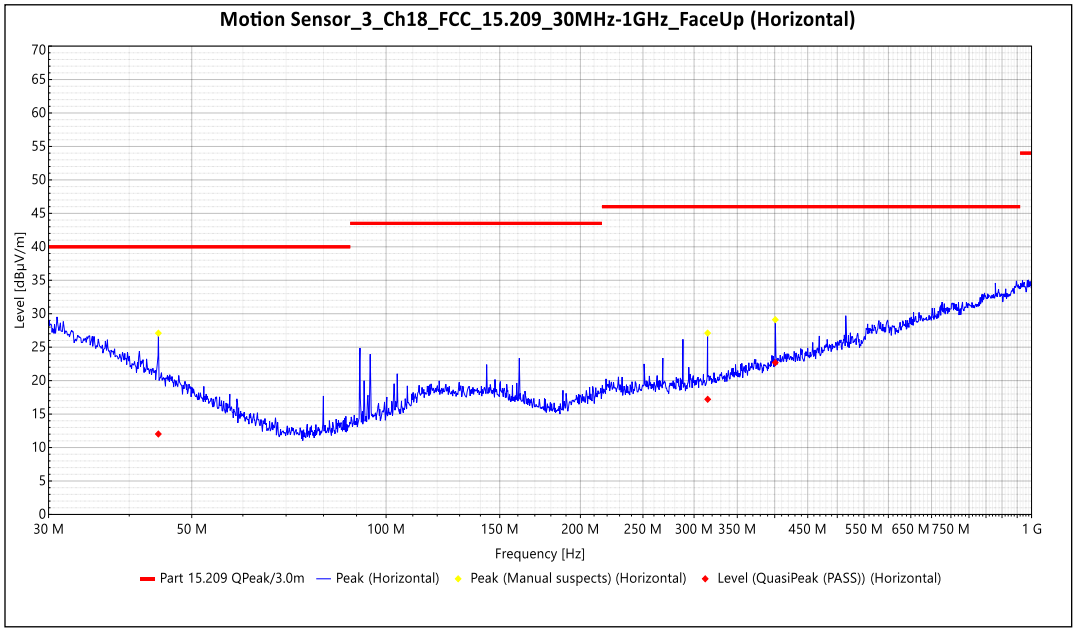
Graph 3.5.9 (Peak and Average Readings)



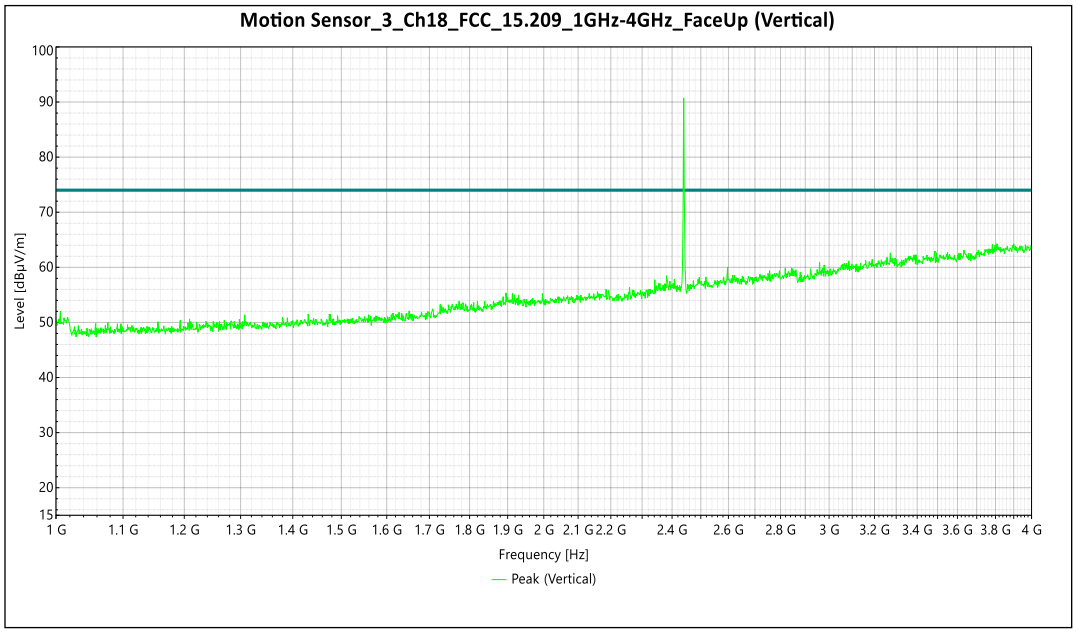
Graph 3.5.10 (Peak and Average Readings)



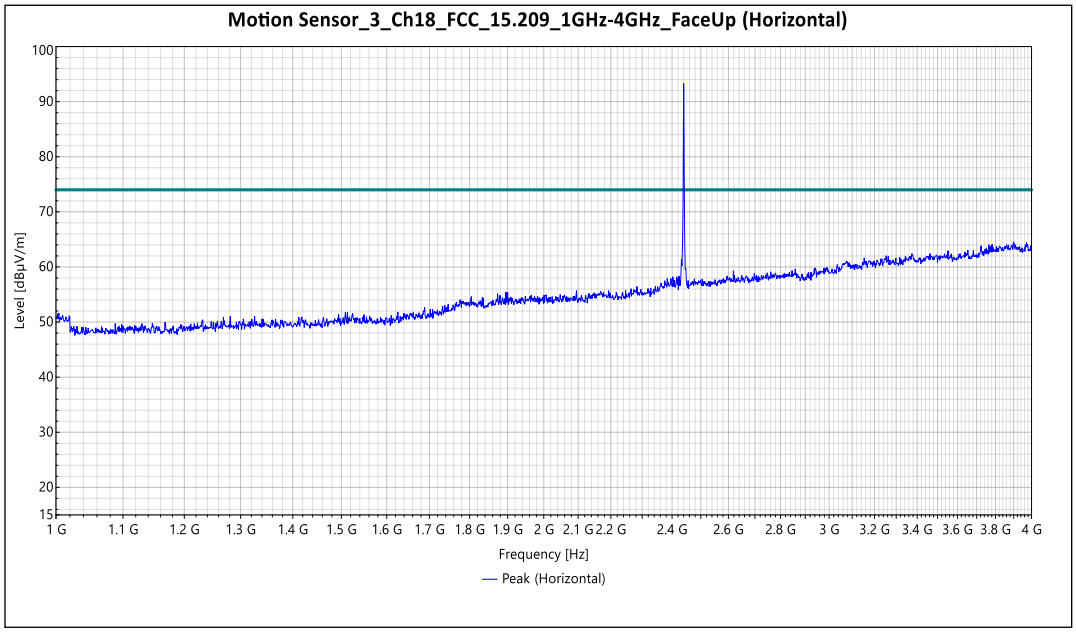
Graph 3.5.11 (Peak Readings, Middle Channel)



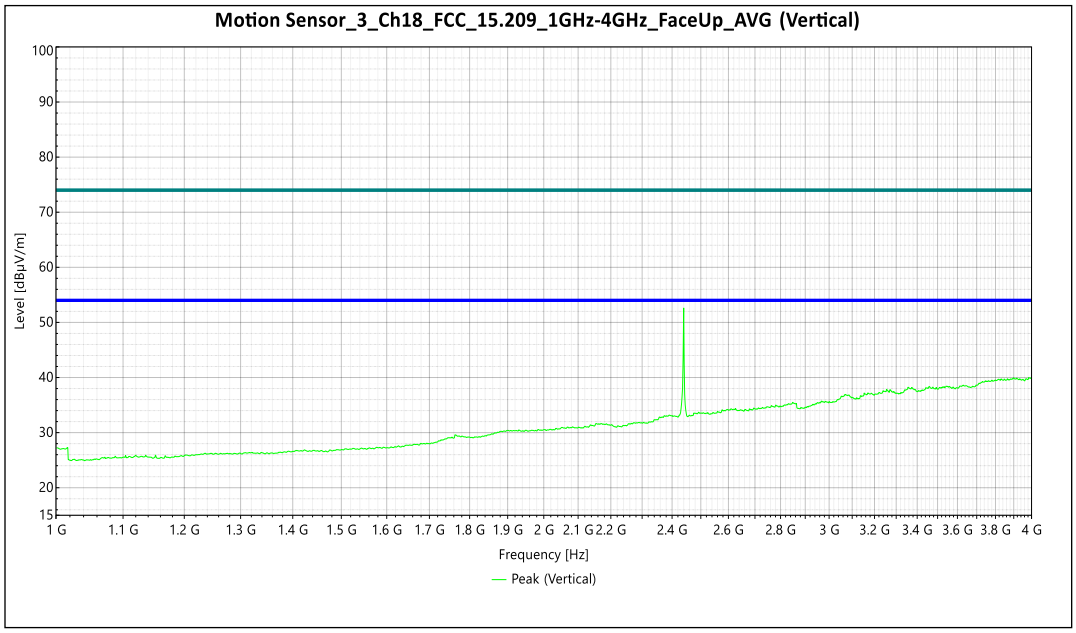
Graph 3.5.12 (Peak Readings, Middle Channel)



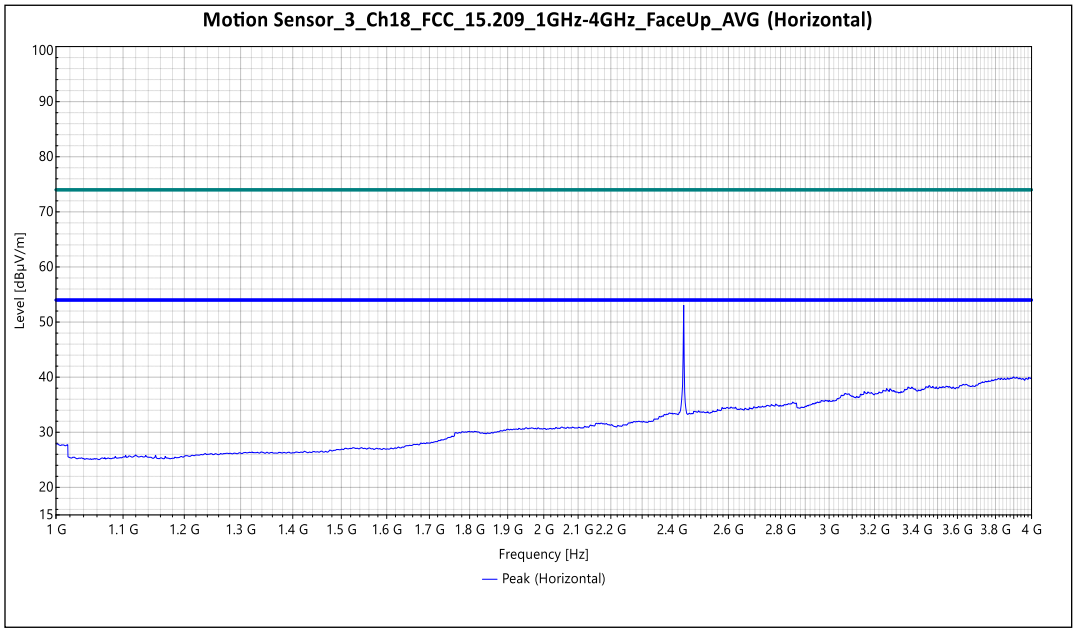
Graph 3.5.13 (Peak Readings, Middle Channel)



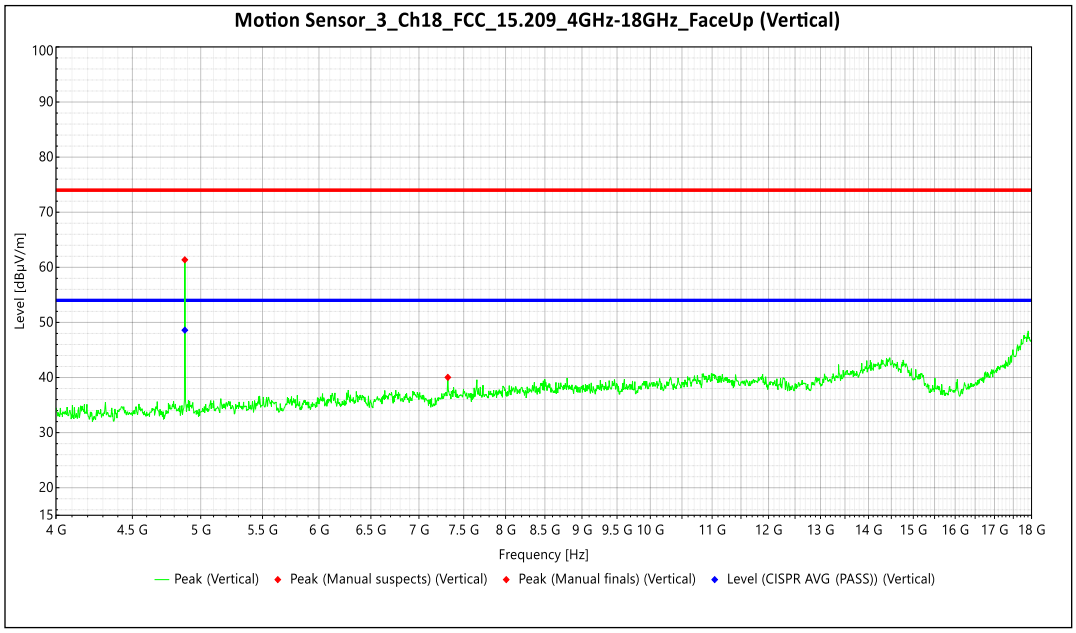
Graph 3.5.14 (Peak Readings, Middle Channel)



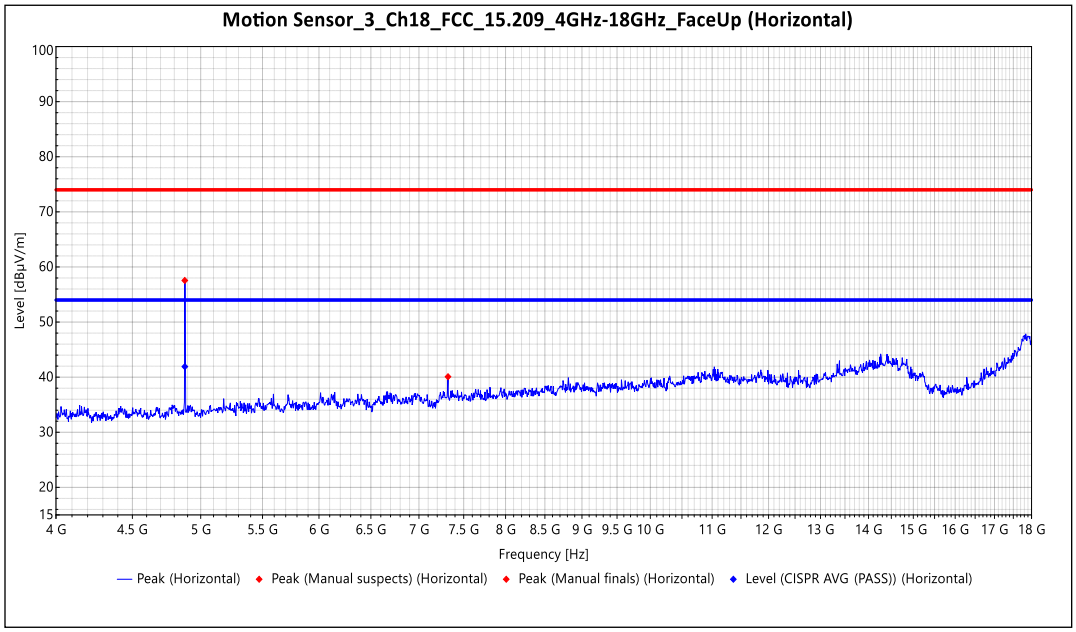
Graph 3.5.15 (Average Readings, Middle Channel)



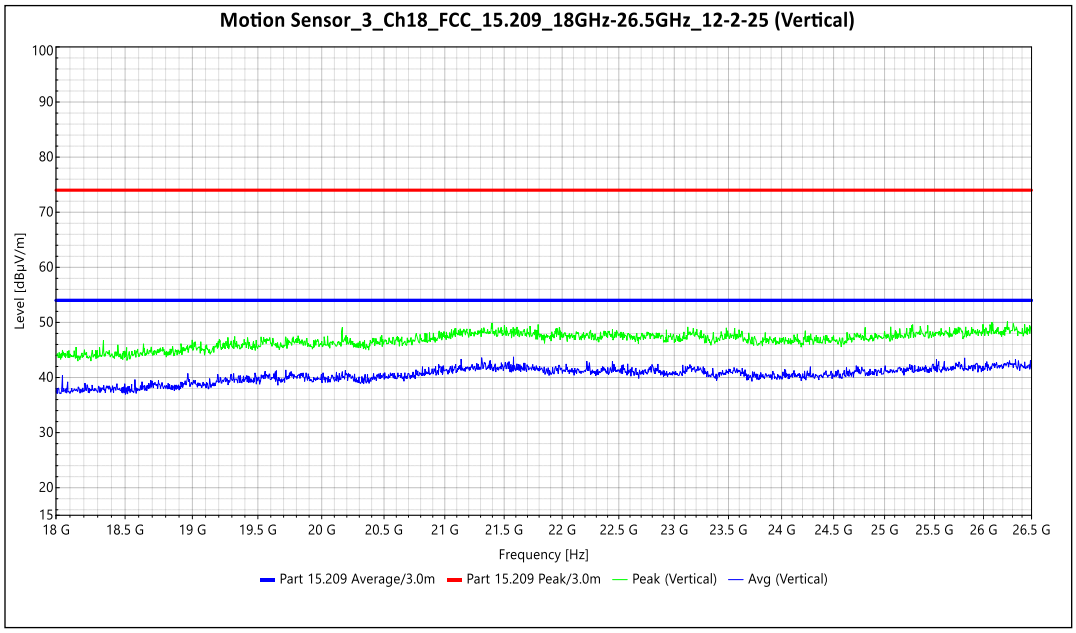
Graph 3.5.16 (Average Readings, Middle Channel)



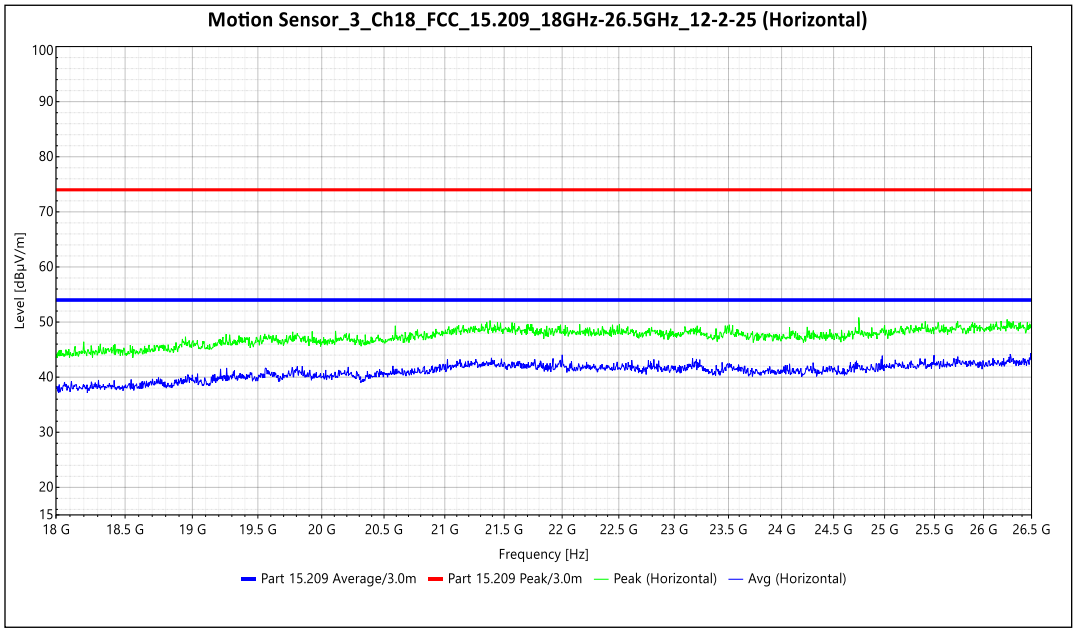
Graph 3.5.17 (Peak Readings, Middle Channel)



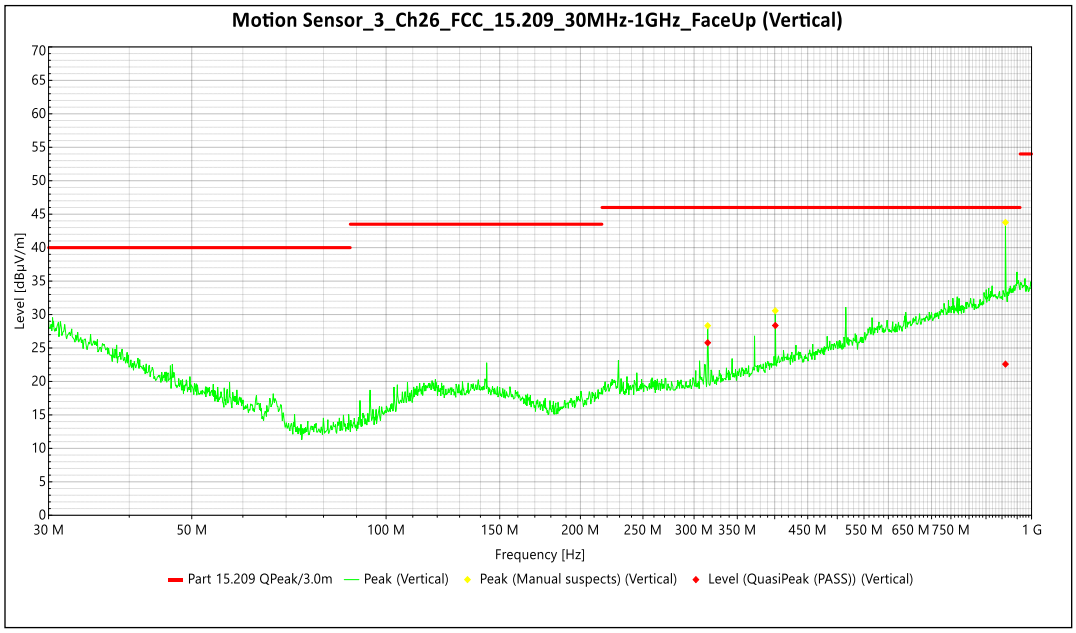
Graph 3.5.18 (Peak Readings, Middle Channel)



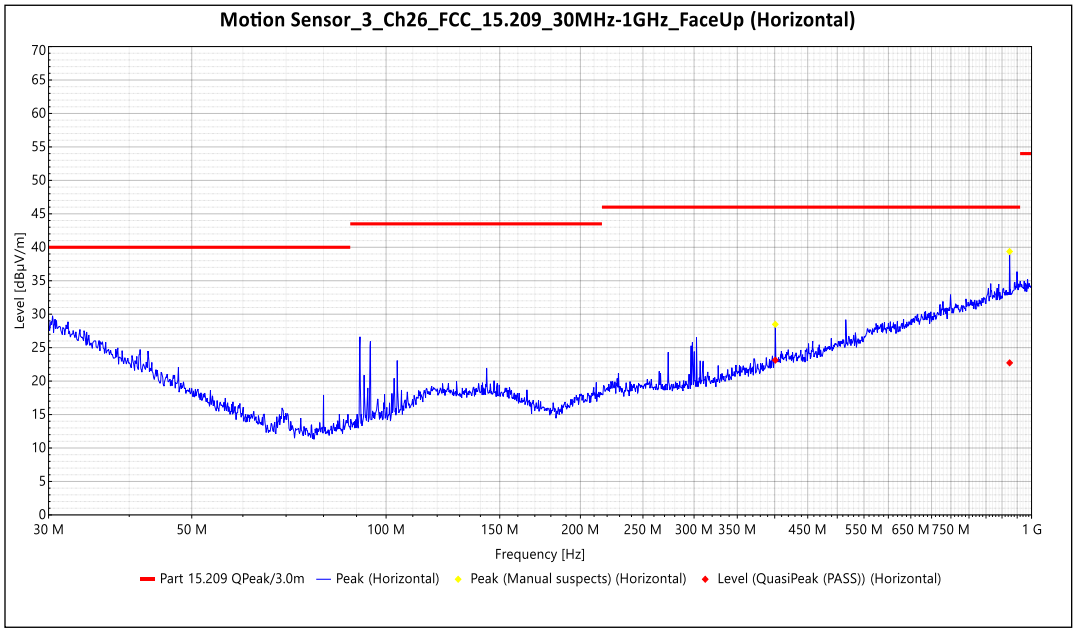
Graph 3.5.19 (Peak and Average Readings)



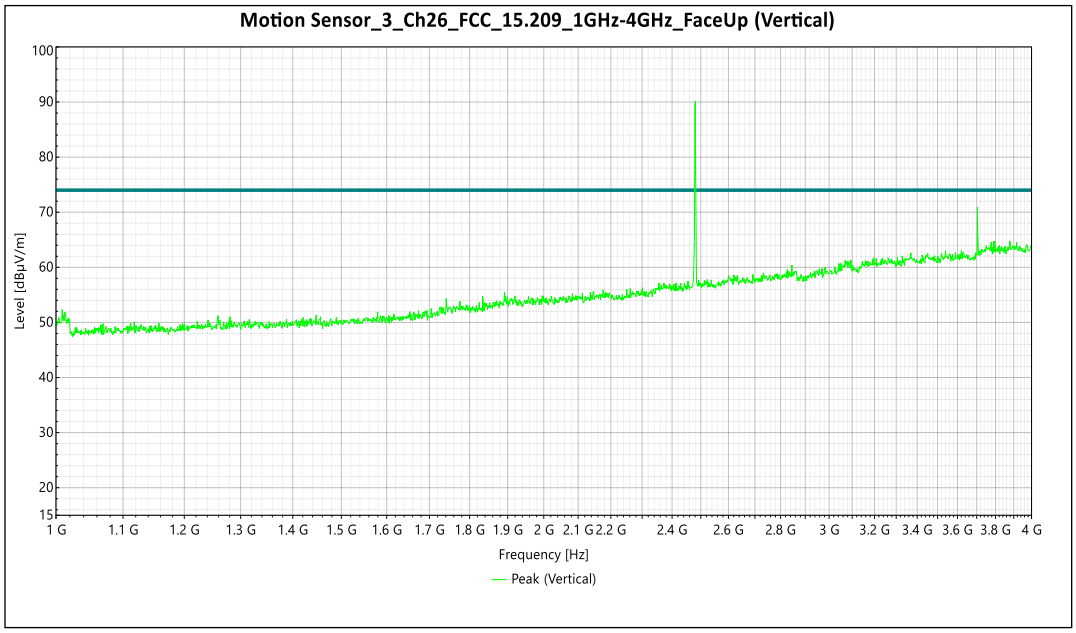
Graph 3.5.20 (Peak and Average Readings)



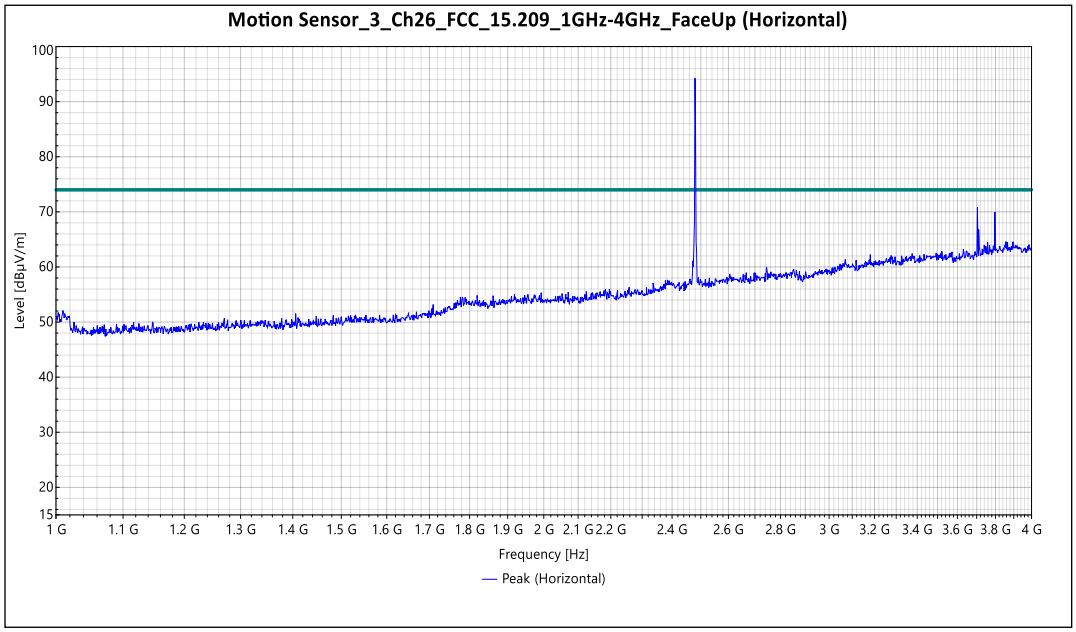
Graph 3.5.21 (Peak Readings, High Channel)



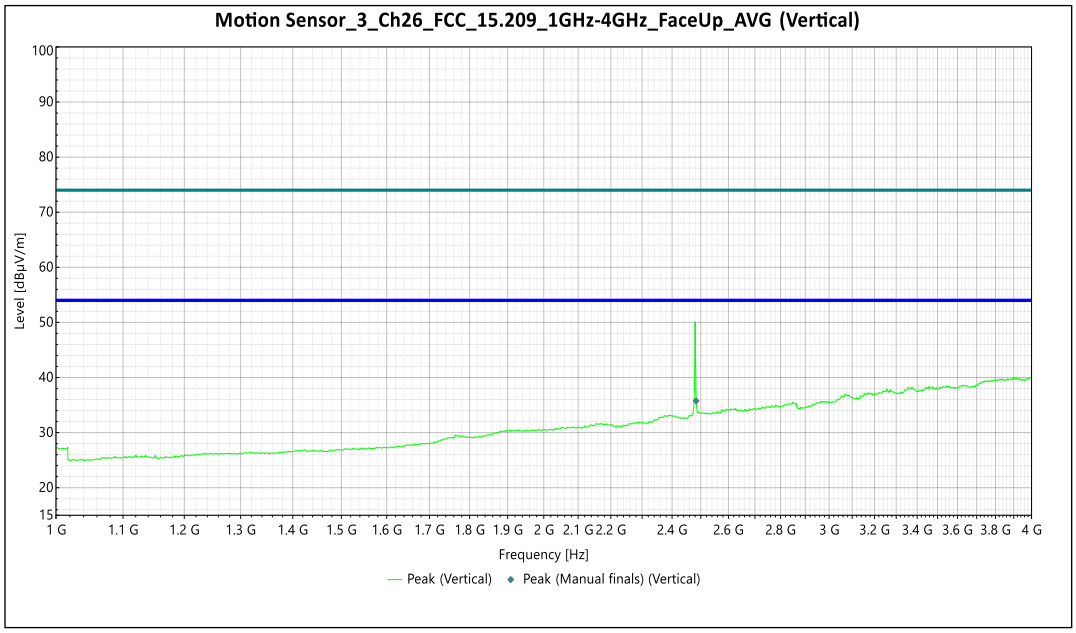
Graph 3.5.22 (Peak Readings, High Channel)



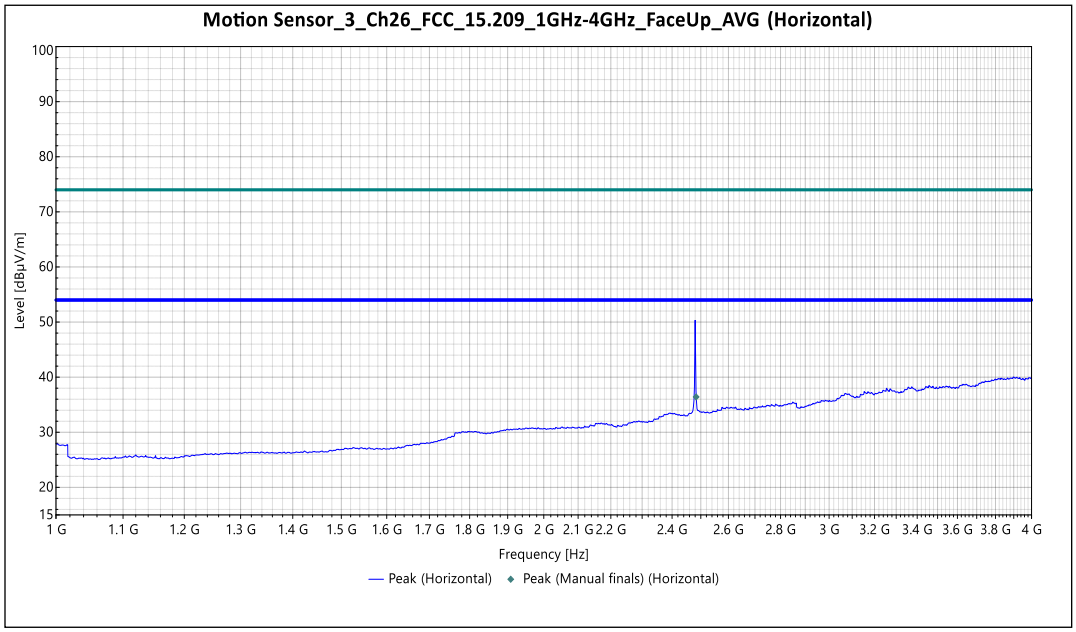
Graph 3.5.23 (Peak Readings, High Channel)



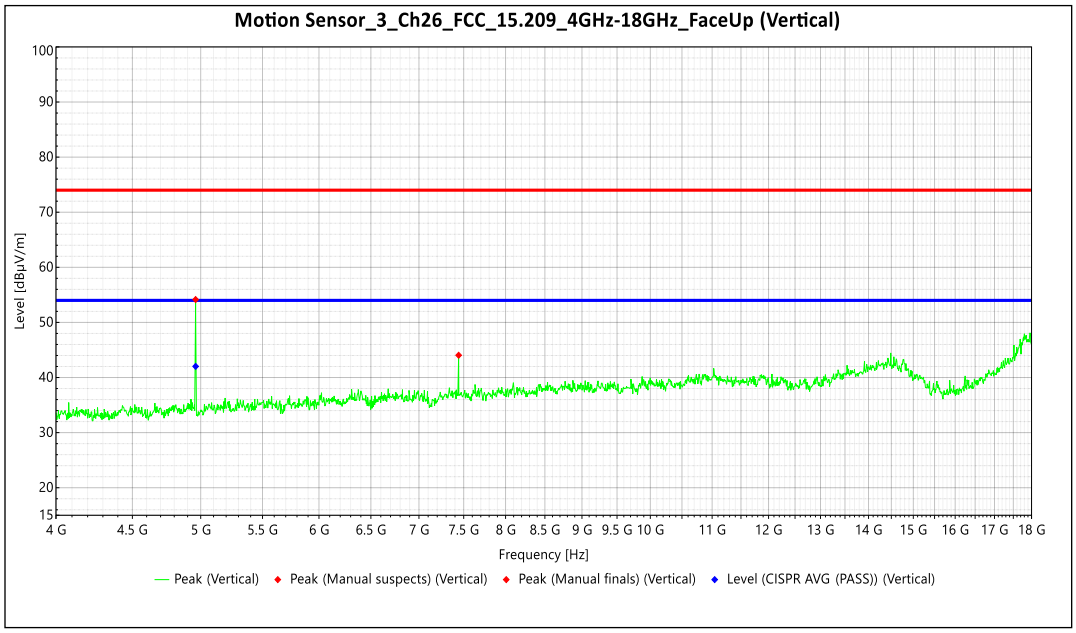
Graph 3.5.24 (Peak Readings, High Channel)



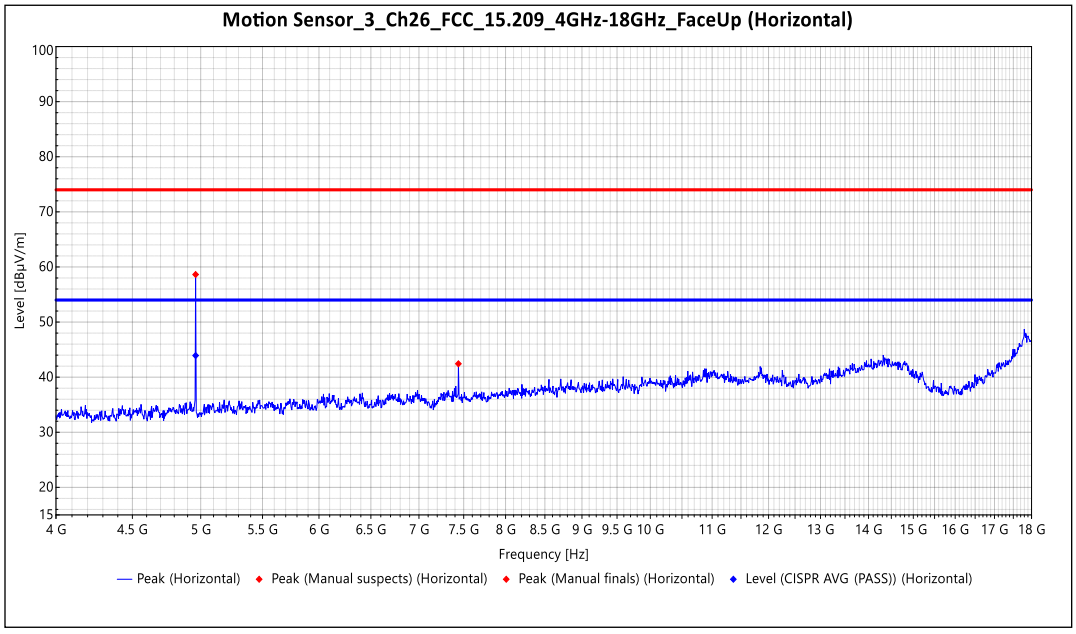
Graph 3.5.25 (Average Readings, High Channel)



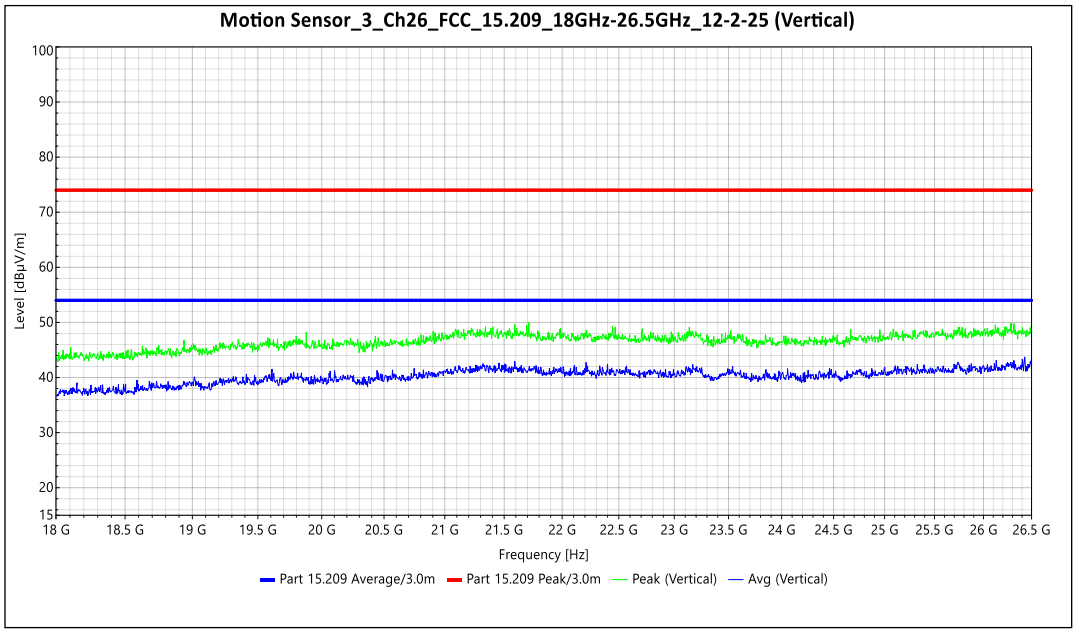
Graph 3.5.26 (Average Readings, High Channel)



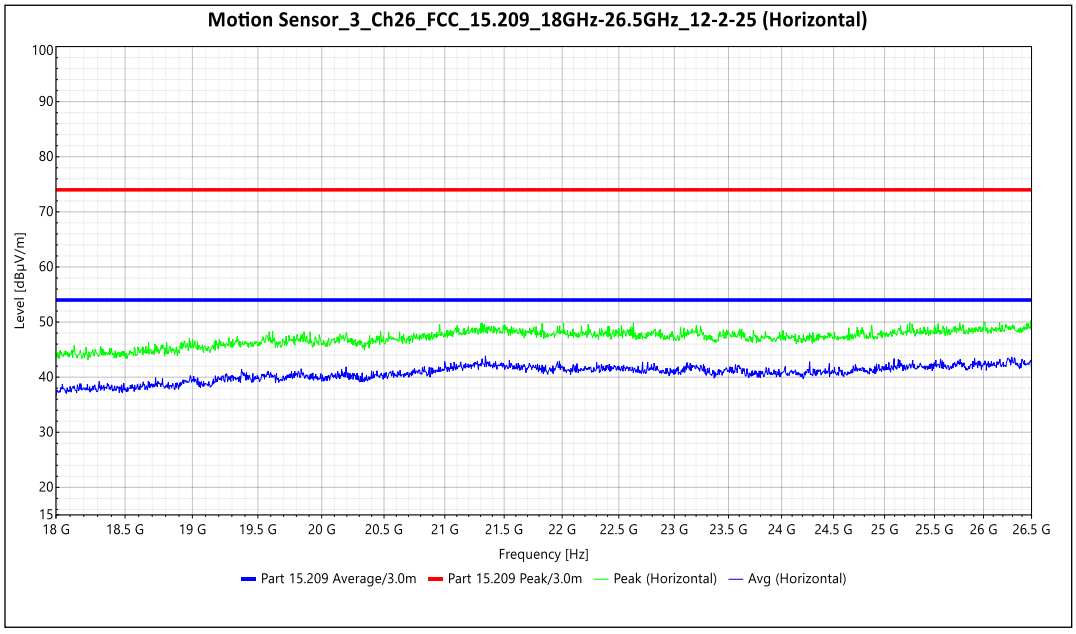
Graph 3.5.27 (Peak Readings)



Graph 3.5.28 (Peak Readings)



Graph 3.5.29 (Peak and Average Readings)



Graph 3.5.30 (Peak and Average Readings)

4.0 TEST EQUIPMENT

DESCRIPTION	MANUFACTURER	MODEL	SERIAL NO.	INTERTEK ID	LAST CAL DATE	CAL DUE
Spectrum Analyzer	R & S	ESR	101710	172558	07/18/2025	07/18/2026
Bicono-Log Antenna	Teseq-Huber-Suhner	CBL6141B	63450	172571	04/15/2025	04/15/2026
Chamber RE Cable	Coleman	RG214/U M17/164-00001		172505	04/10/2025	04/10/2026
Chamber HF Cable	Insulated Wire Inc.	KPS-1571-3600-KPS		172585	04/10/2025	04/10/2026
Chamber HF Cable	Insulated Wire, Inc.	KPS-1571-125-KPS		172543	04/10/2025	04/10/2026
Chamber HF Cable	Insulated Wire Inc.	NPR-2301-160-SPS		172541	04/10/2025	04/10/2026
Chamber HF Cable	Mini-Circuit	CBL-1.5FT-SMSM	172141	172542	04/10/2025	04/10/2026
High Pass Filter	Reactel, Inc.	9HS-4G/24G-S12	20-01	172538	04/09/2025	04/09/2026
Horn Antenna	EMCO	3115	9504-4504	172463	04/14/2025	04/14/2026
Waveguide Horn Antenna	EMCO	3116	9904-2423	9705	04/15/2025	04/15/2026
Loop Antenna	ETS	6512	00060486	19942	04/15/2025	04/15/2026
Pre-Amplifier	MITEQ	LNA-40-00101800-35-15P	2108525	172474	04/09/2025	04/09/2026
Pre-Amplifier	MITEQ	AMF-6F-16002600-25-10P	1222383	MIN-0065	10/07/2025	10/07/2026
System	Nexio Inc.	BAT-EMC	v2024.0.16.2	172Nexio	VBU	VBU

5.0 Revision History

REVISION LEVEL	DATE	REPORT NUMBER	PREPARED	REVIEWED	NOTES
0	2025-12-10	106347521MIN-003	PK	US	Original Issue

END OF REPORT