

RADIO REPORT FCC 47 CFR Part 15E ISED Canada RSS-247 Unlicensed National Information Infrastructure Devices in the 5 GHz Bands	
Report Reference No	G0M-2303-1961-TFC407WF-V03
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	    DAKKS - Registration number : D-PL-12092-01-03 (ISED) ISED Testing Laboratory site: 3470A DAKKS - Registration number : D-PL-12092-01-04 (FCC) FCC Filed Test Laboratory, Reg.-No.: 96970
Applicant	Navico Inc.
Address	4500 South 129th East Ave, Suite 200 Tulsa, Oklahoma, Postal Code 74134-5885 United States
Test Specification	47 CFR Part 15E RSS-247, Issue 3, 2023-08 RSS-Gen, Issue 5, Amendment 2, 2021-02
Non-Standard Test Method	None
Equipment under Test (EUT):	
Product Description	Marine and recreational IoT Gateway and vessel management system
Model(s)	Connect 1
Model(s) number	80-911-0270-00
Brand Name(s)	CZone
Hardware Version(s)	E4
Software Version(s)	emc_tests_op11587 / 1.0
FCC ID	RAYE3801
IC	978B-E3801
Test Result	PASSED

Possible test case verdicts:		
Required by standard but not tested	N/T	
Not required by standard	N/R	
Not applicable to EUT	N/A	
Test object does meet the requirement	P(PASS)	
Test object does not meet the requirement	F(FAIL)	
Testing:		
Test Lab Temperature	20 °C - 30 °C	
Test Lab Humidity	25 % - 55 %	
Date of receipt of test item	2023-05-16	
Report:		
Compiled by	Azamat Ibraimov	
Tested and tests supervised by (+ signature) (Responsible for Test)	Azamat Ibraimov	
Approved by (+ signature) (Senior Radio Expert)	Radwan Jaafar	
Date of Issue	2025-01-14	
Total number of pages	55	
General Remarks:		
The test results presented in this report relate only to the object tested. The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.		
Additional Comments:		
None		

VERSION HISTORY

Version History			
Version	Issue Date	Remarks	Revised By
01	2024-08-14	Initial Release	--
02	2024-12-18	Replaced document: G0M-2303-1961-TFC407WF-V01 Replaced by: G0M-2303-1961-TFC407WF-V02 Reason: - Update master data	St. Liebich
03	2025-01-14	Replaced document: G0M-2303-1961-TFC407WF-V02 Replaced by: G0M-2303-1961-TFC407WF-V03 Reason: - Update master data - Add power and PSD calculation results	A. Ibraimov

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
BPSK	Binary Phase Shift Keying
DSSS	Direct Sequence Spread Spectrum
EUT	Equipment Under Test
FCC	Federal Communications Commission
HT	High Throughput
IEEE 802.11	MAC and PHY Layer for WiFi
ISED	Innovation, Science and Economic Development Canada
OFDM	Orthogonal Frequency Division Multiplexing
QAM	Quadrature Amplitude Modulation
QPSK	Quadrature Phase Shift Keying
RBW	Resolution bandwidth
RMS	Root mean square
VBW	Video bandwidth
V _{NOM}	Nominal supply voltage

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1 Equipment (Test Item) Under Test

Description	Marine and recreational IoT Gateway and vessel management system	
Model(s)	Connect 1	
Model(s) number	80-911-0270-00	
Brand Name(s)	CZone	
Serial Number(s)	EHE22000056	
Test Sample Id(s)	44397	
Hardware Version(s)	E4	
Software Version(s)	emc_tests_op11587 / 1.0	
PMN	Connect 1	
HVIN	E4/A	
FVIN	1.18.0	
HMN	n/a	
FCC ID	RAYE3801	
IC	978B-E3801	
Equipment type	End Product	
Radio type	Transceiver	
Assigned frequency bands	5150 - 5250 MHz 5250 - 5350 MHz 5470 - 5725 MHz 5725 - 5850 MHz	
Radio technology	IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11n (HT40) IEEE 802.11ac (VHT20) IEEE 802.11ac (VHT40) IEEE 802.11ac (VHT80)	
Modulation	BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM	
Number of antenna ports	1	
Radio Module	Type	IEEE 802.11a/b/g/n/ac and Bluetooth 5 module
	Model	AW-CM358SM
	Manufacturer	AzureWave
	HW Version	Not specified
	SW Version	Not specified
	FCC-ID	TLZ-CM358SM
	IC	6100A-CM358SM
Antenna	Type	External antenna
	Model	JC- 2458E1 08
	Manufacturer	JC Antenna
	Gain	Max 2.6 dBi @ 2.4-2.5 GHz Max 4.0 dBi @ 4.9-5.8 GHz
Supply Voltage	V _{NOM}	13.8 VDC
Operating Temperature	T _{NOM}	25 °C
AC/DC-Adaptor	None	
Manufacturer	Fell Technology AS Bragernes Torg 2 3017 Drammen NORWAY	

1.3 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
AE	AC/DC adapter	I.T.E. Power Supply	SA07H1217 120VAC to 12 VDC	Used for AC powerline conducted emissions
SIM	Artificial load	FellTech	HS load	Artificial load used for tests under stress
AE	Lead-acid battery	BPower Quoltec Betta Batteries	BCL24-12 53030 6-CNFJ-14	--
AE	WiFi router	TP Link Asus	Archer AX1500 RT-N12	--
AE	CC1352R devkit	Texas Instruments	LAUNCHXL- CC1352R1	Device providing connection with DUT over WIMEA protocol
AE	Antenna	not specified	GPS-500 JCW402D COTS	--
AE	Laptop	Lenovo	T410	--
SFT	SSH terminal program	None	Putty	--
Description:				
AE	Auxiliary Equipment			
SIM	Simulator			
CBL	Connecting Cable			
SFT	Software			
Comment:				

1.4 Test Modes

Mode	Description
OFDM (IEEE 802.11a)	Mode = Transmit Bandwidth = 20 MHz Duty Cycle = 98% Power setting = 20 (software setting) Data rate = 6 Mbps
Receive	Mode = Receive
Comment: The above settings are found as worst case during evaluation of the original modular test report RF190902E13-1, issued on 2020-01-13 by „Bureau Veritas CPS (H.K.) Ltd. Taoyuan Branch (Hsin Chu Laboratory)“ and pre-evaluation of the test modes. Conducted peak/average output power was evaluated to determine the worst case settings.	

1.5 Test Frequencies

Designator	Mode	Channel	Frequency [MHz]
F1	Tx / Rx	40	5200
F2	Tx / Rx	116	5580
F3	Tx / Rx	149	5745

1.6 Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

Reading:

This is the reading obtained on the spectrum analyzer in dB μ V. Any external preamplifiers used are taken into account through internal analyzer settings.

A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyzer. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

$$\text{Reading on Analyzer (dB}\mu\text{V)} + \text{A.F. (dB/m)} = \text{Net field strength (dB}\mu\text{V/m)}$$

Net:

This is the net field strength measurement (as shown above).

Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

Field strength limit:

This is the FCC Class B radiated emission limit (in units of dB μ V/m). The FCC limits are given in units of μ V/m. The following formula is used to convert the units of μ V/m to dB μ V/m:

$$\text{Field strength limit (dB}\mu\text{V/m)} = 20 \cdot \log (\mu\text{V/m})$$

Example only for radiated field strength:

Reading + AF	= Net Reading	:	Net reading	- Field strength limit	= Margin
+21.5 dB μ V	+ 26 dB/m	:	47.5 dB μ V/m	- 57.0 dB μ V/m	= -9.5

2 Result Summary

FCC 47 CFR Part 15E, ISED RSS-247				
Product Standard Reference	Requirement	Reference Method	Result	Remarks
RSS-247 3.1, RSS-Gen 6.7	Occupied bandwidth	KDB 789033 D ANSI C63.10 6.9	N/R	Informational only
FCC 15.407(e) RSS-247 6.2.4.2	6 dB bandwidth	KDB 789033 C.2 ANSI C63.10 12.4	N/T	Note 1
FCC 15.407(a)(2), (a)(5), (h)(2)	26 dB bandwidth	KDB 789033 C.1 ANSI C63.10 12.4	N/T	Note 1
FCC 15.407(a) RSS-247 6.2.1.1, 6.2.2.1, 6.2.3.1, 6.2.4.2	Maximum output power	KDB 789033 E ANSI C63.10 12.3	PASS	Note 1, Note 2
FCC 15.407(h) RSS-247 6.2.1.1, 6.2.2.1, 6.2.3.1	Transmit power control	KDB 789033 E ANSI C63.10 12.3	N/T	Note 1
FCC 15.407(a) RSS-247 6.2.1.1, 6.2.2.1, 6.2.3.1, 6.2.4.2	Power spectral density	KDB 789033 F ANSI C63.10 12.5	PASS	Note 1, Note 2
FCC 15.407(g) RSS-247 3.1 RSS-Gen 6.11	Frequency stability	ANSI C63.10 6.8	N/T	Note 1
FCC 15.207 RSS-247 3.1 RSS-Gen 7.2	AC power line conducted emissions	ANSI C63.10 6.2	N/R	no provisions for connection to the public utility ac power-lines
FCC 15.407(b) RSS-247 6.2.1.2, 6.2.2.2, 6.2.3.2, 6.2.4.3	Transmitter radiated emissions	KDB 789033 G ANSI C63.10 12.7	PASS	--
RSS-247 3.1 RSS-Gen 7.3	Receiver radiated emissions	ANSI C63.10 6.1-6.6	PASS	--
FCC 15.407(a) RSS-247 6.2.2.3	Radiation pattern	KDB 789033 H RSS-247 Annex A	N/R	5250-5350 MHz band only with EIRP > 23 dBm
Note 1: Tests were not carried out because of module integration of a pre-certified radio module. See module reports: RF190902E13-1 issue date 2020-01-13 by „Bureau Veritas CPS (H.K.) Ltd. Taoyuan Branch (Hsin Chu Laboratory) “.				
Note 2: Calculation based on original module report: ICBECO-WTW-P21030102-1 issue date 2021-04-15 by „Bureau Veritas CPS (H.K.) Ltd. Taoyuan Branch (Hsin Chu Laboratory) “.				
Comment: The Decision Rule is applied on the basis of ETSI TR 102 273 and ETSI TR 100 028. These standards provide guidance on how to calculate and apply measurement uncertainty whilst providing maximum uncertainties allowance. In all cases due consideration will be given to ILAC-G8:09/2019. Where a result is considered conditional in respect of its proximity to the limit line, the customer would be made aware of situation so that they can make an informed decision on how to proceed.				

Possible Test Case Verdicts	
PASS	Test object does meet the requirements
FAIL	Test object does not meet the requirements
N/T	Required by standard but not tested
N/R	Not required by standard for the test object

3 Test Conditions and Results

3.1 Test Conditions and Results - Maximum peak output power

3.1.1 Information

Test Information	
Reference	ISED RSS-247 6.2.1.1, 6.2.2.1, 6.2.3.1, 6.2.4.1
Measurement Method	Calculation based on module report conducted results referenced in test modes section
Operator	Azamat Ibraimov
Date	2025-01-08

3.1.2 Limits

Limits ISED		
Frequency band	Condition	Power limit
5150 - 5250 MHz	OEM device installed in vehicle	EIRP: Minimum of 30 mW/14.8 dBm or $1.76+10*\text{Log}_{10}(\text{OBW [MHz]})$
5150 - 5250 MHz	Other devices	EIRP: Minimum of 200 mW/23 dBm or $10+10*\text{Log}_{10}(\text{OBW [MHz]})$
5250 - 5350 MHz	OEM device installed in vehicle	EIRP: Minimum of 30 mW/14.8 dBm or $1.76+10*\text{Log}_{10}(\text{OBW [MHz]})$
5250 - 5350 MHz	Other devices	COND: Minimum of 250 mW/24 dBm or $11+10*\text{Log}_{10}(\text{OBW [MHz]})$
5470 - 5725 MHz	All devices	COND: Minimum of 250 mW/24 dBm or $11+10*\text{Log}_{10}(\text{OBW [MHz]})$ EIRP: Minimum of 1 W/30 dBm or $17+10*\text{Log}_{10}(\text{OBW [MHz]})$
5725 - 5850 MHz	All devices	COND: 1 W/30 dBm ¹

3.1.3 Procedure

Test Procedure - Calculation
1. The highest conducted output power for each radio band is determined from the modular approval report 2. The antenna gain for the corresponding transmission frequency is added to the conducted output power 3. The calculated radiated power is compared to the transmitter output power limit

3.1.4 Results

Test Results – 802.11a						
Channel	Frequency [MHz]	Power [dBm]	Antenna Gain [dBi]	E.I.R.P. [dBm]	E.I.R.P. Limit [dBm]	Verdict
36	5180	16.71	4.0	20.71	22.25	PASS
40	5200	16.65	4.0	20.65	22.26	PASS
48	5240	16.73	4.0	20.73	22.26	PASS
52	5260	17.75	4.0	21.75	29.26	PASS
60	5300	17.77	4.0	21.77	29.26	PASS
64	5320	17.66	4.0	21.66	29.25	PASS
100	5500	15.78	4.0	19.78	29.25	PASS
116	5580	18.86	4.0	22.86	29.34	PASS
140	5700	14.84	4.0	18.84	29.25	PASS
144 (U-NII-2C)	5720	17.57	4.0	21.57	28.27	PASS

Test Results – 802.11ac VHT-20						
Channel	Frequency [MHz]	Power [dBm]	Antenna Gain [dBi]	E.I.R.P. [dBm]	E.I.R.P. Limit [dBm]	Verdict
36	5180	16.97	4.0	20.97	22.48	PASS
40	5200	16.81	4.0	20.81	22.48	PASS
48	5240	16.89	4.0	20.89	22.48	PASS
52	5260	17.77	4.0	21.77	29.51	PASS
60	5300	17.82	4.0	21.82	29.51	PASS
64	5320	17.80	4.0	21.80	29.52	PASS
100	5500	15.91	4.0	19.81	29.49	PASS
116	5580	18.97	4.0	22.97	29.55	PASS
140	5700	15.05	4.0	19.05	29.46	PASS
144 (U-NII-2C)	5720	17.65	4.0	21.65	28.46	PASS

Test Results – 802.11ac VHT-40						
Channel	Frequency [MHz]	Power [dBm]	Antenna Gain [dBi]	E.I.R.P. [dBm]	E.I.R.P. Limit [dBm]	Verdict
38	5190	14.69	4.0	18.69	23	PASS
46	5230	17.77	4.0	21.77	23	PASS
54	5270	17.80	4.0	21.80	30	PASS
62	5310	13.81	4.0	17.81	30	PASS
102	5510	13.87	4.0	17.87	30	PASS
110	5550	17.86	4.0	21.86	30	PASS
134	5670	14.14	4.0	18.14	30	PASS
142 (U-NII-2C)	5710	17.32	4.0	21.32	30	PASS

Test Results – 802.11ac VHT-80						
Channel	Frequency [MHz]	Power [dBm]	Antenna Gain [dBi]	E.I.R.P. [dBm]	E.I.R.P. Limit [dBm]	Verdict
42	5210	14.19	4.0	19.35	23	PASS
58	5290	12.13	4.0	17.29	30	PASS
106	5530	14.28	4.0	19.44	30	PASS
138 (U-NII-2C)	5690	20.00	4.0	25.16	30	PASS

3.2 Test Conditions and Results - Power spectral density

3.2.1 Information

Test Information	
Reference	ISED RSS-247 6.2.1.1, 6.2.2.1, 6.2.3.1, 6.2.4.1
Measurement Method	Calculation based on module report conducted results referenced in test modes section
Operator	Azamat Ibraimov
Date	2025-01-08

3.2.2 Limits

Limits		
Frequency band	Condition	PSD limit
5150 - 5250 MHz	All devices except OEM devices installed in a vehicle	EIRP: 10 dBm/MHz
5250 - 5350 MHz	All devices except OEM devices installed in a vehicle	COND: 11 dBm/MHz
5470 - 5725 MHz	All devices	COND: 11 dBm/MHz
5725 - 5850 MHz	All devices	COND: 30 dBm/500 kHz ¹

3.2.3 Procedure

Test Procedure - Calculation	
- The PSD value for each radio band is determined from the modular approval report - The antenna gain for the corresponding transmission frequency is added to the values - The calculated EIRP values is compared to the PSD limit	

3.2.4 Results

Test Results						
Mode	Channel	Frequency [MHz]	PSD [dBm/MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
OFDM	36	5180	2.85	6.85	10	PASS
OFDM	40	5200	2.37	6.37	10	PASS
OFDM	48	5240	2.66	6.66	10	PASS
VHT20	36	5180	2.76	6.76	10	PASS
VHT20	40	5200	2.65	6.65	10	PASS
VHT20	48	5240	2.67	6.67	10	PASS
VHT40	38	5190	-1.04	2.96	10	PASS
VHT40	46	5230	-0.59	3.41	10	PASS
VHT80	42	5210	-5.22	-1.22	10	PASS

3.3 Test Conditions and Results - Transmitter radiated emissions

3.3.1 Information

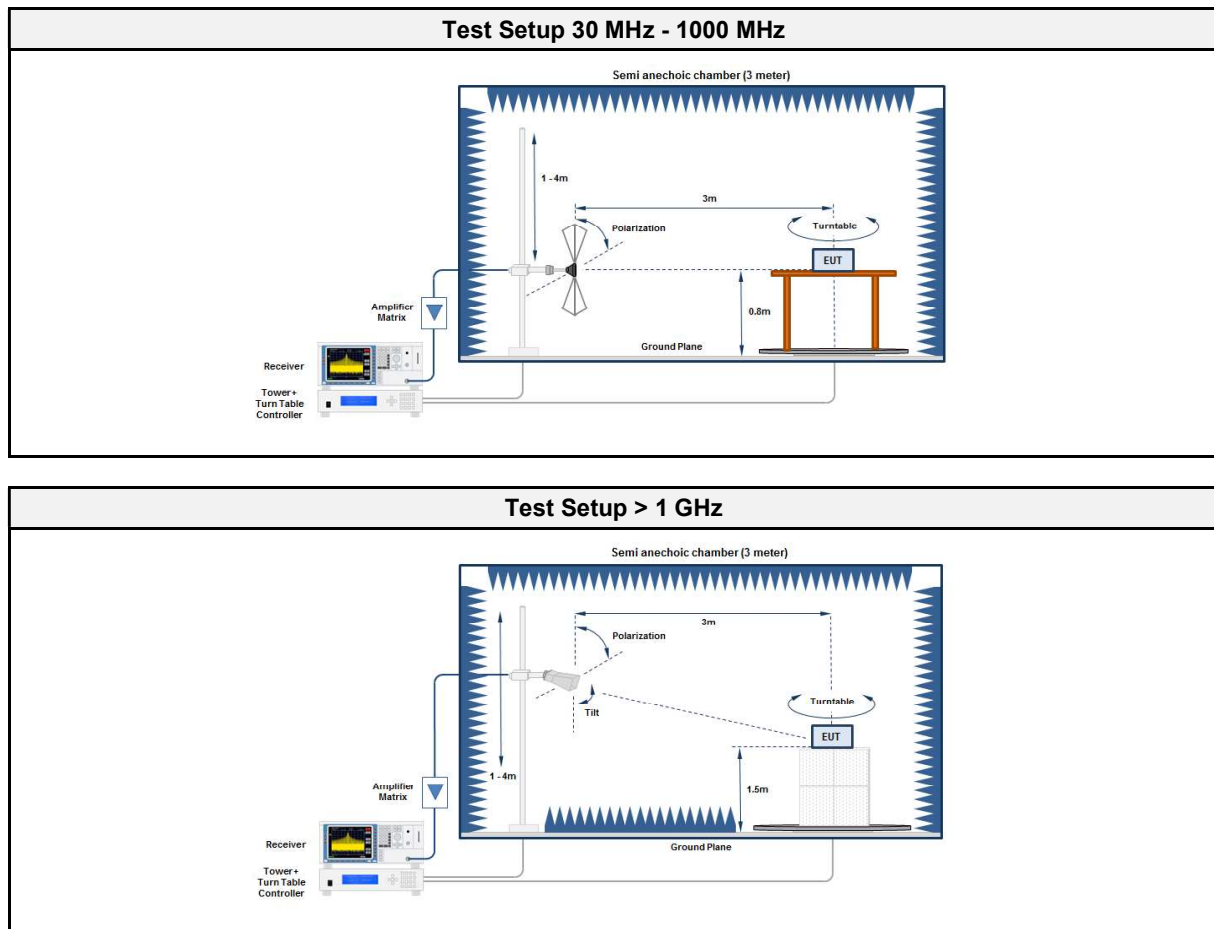
Test Information	
Reference	FCC 15.407(b) ISED RSS-247 6.2.1.1, 6.2.2.1, 6.2.3.1, 6.2.4.2
Measurement Method	KDB 789033 G ANSI C63.10 12.7
Operator	Azamat Ibraimov
Date	2024-05-23 - 2024-05-24
Measurement Uncertainty	± 5.95 dB

3.3.2 Limits

Limits - Restricted frequency bands and below 1 GHz			
Frequency [MHz]	Detector	Field strength [$\mu\text{V}/\text{m}$]	Measurement distance [m]
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

Limits - Outside restricted frequency bands above 1 GHz			
Frequency band [MHz]	Power limit [dBm EIRP]	Field strength limit [dB $\mu\text{V}/\text{m}$]	Measurement distance [m]
5150 - 5250	-27 dBm/MHz	68.2	3
5250 - 5350	-27 dBm/MHz	68.2	3
5470 - 5725	-27 dBm/MHz	68.2	3
5725 - 5850	-27 dBm/MHz @ ± 75 MHz from band edge	68.2	3
5725 - 5850	10 to -27 dBm/MHz @ ± 25 to ± 75 MHz from band edge	105.2 to 68.2	3
5725 - 5850	15.6 to 10 dBm/MHz @ ± 5 to ± 25 MHz from band edge	110.8 to 105.2	3
5725 - 5850	27 to 15.6 dBm/MHz @ ± 0 to ± 5 MHz from band edge	122.2 to 110.8	3

3.3.3 Setup



3.3.4 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	RadiMation	2020.1.8

Test Equipment 30 MHz - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2022-11	2025-11
EMI Test Receiver	Rohde & Schwarz Vertriebs GmbH	ESU26	EF00887	2024-01	2025-01
Antenna	Schwarzbeck	VULB 9168	EF01824	2022-10	2025-10

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2022-11	2025-11
Spectrum analyzer	Rohde & Schwarz	FSW43	EF00896	2023-08	2024-08
EMI Test Receiver	Rohde & Schwarz	ESU26	EF00887	2024-01	2025-01
Horn antenna	Schwarzbeck	BBHA 9120D	EF01561	2021-11	2024-11
Horn Antenna	Schwarzbeck	HWRD 650	EF01679	2024-05	2027-05
Antenna	Amplifier Research	AT4560	EF00302	2023-09	2025-09
Antenna	Flann Microwave Ltd	22240-25 Amp. CBL26402075	EF00301	2023-01	2026-01

Test Report No.: G0M-2303-1961-TFC407WF-V03

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

3.3.5 Procedure

Test Procedure 30 MHz - 1000 MHz	
1.	EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground
2.	EUT set to test mode
3.	The receiver is set to peak detection with max hold
4.	The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5.	All significant emissions are measured again using the corresponding final detector

Test Procedure > 1 GHz	
1.	EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground
2.	EUT set to test mode
3.	The receiver is set to peak detection with max hold
4.	The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5.	All significant emissions are measured again using the corresponding final detector

3.3.6 Results

Test Results						
Channel [MHz]	Emission [MHz]	Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Margin [dB]
5200	37.5013	30.30	pk	ver	40.00	-09.68
5200	73.9087	29.40	qpk	ver	40.00	-10.61
5200	108.7963	34.70	pk	ver	43.50	-08.81
5200	249.996	34.30	pk	ver	46.00	-11.68
5200	400.0227	38.50	pk	ver	46.00	-07.46
5200	4500	49.27	pk	ver	68.20	-18.93
5200	7500	41.99	pk	ver	74.00	-32.01
5200	15599	46.92	pk	ver	74.00	-27.08
5580	73.941	32.40	pk	ver	40.00	-07.55
5580	108.7963	34.40	pk	ver	43.50	-09.14
5580	249.996	37.50	pk	hor	46.00	-08.51
5580	3000	43.69	pk	ver	68.20	-24.51
5580	4500	48.31	pk	ver	68.20	-19.89
5580	7500	43.43	pk	ver	74.00	-30.57
5580	11159	44.77	pk	hor	74.00	-29.23
5580	16747	56.31	pk	ver	68.20	-11.89
5745	73.165	28.80	qpk	ver	40.00	-11.21
5745	110.801	33.70	pk	ver	43.50	-09.81
5745	249.996	36.90	pk	hor	46.00	-09.12
5745	3000	44.44	pk	ver	68.20	-23.76
5745	4500	49.09	pk	ver	68.20	-19.11
5745	7500	43.80	pk	ver	74.00	-30.20
5745	11488	48.30	pk	ver	74.00	-25.70
5745	17242	56.28	pk	ver	68.20	-11.92

3.4 Test Conditions and Results - Receiver radiated emissions

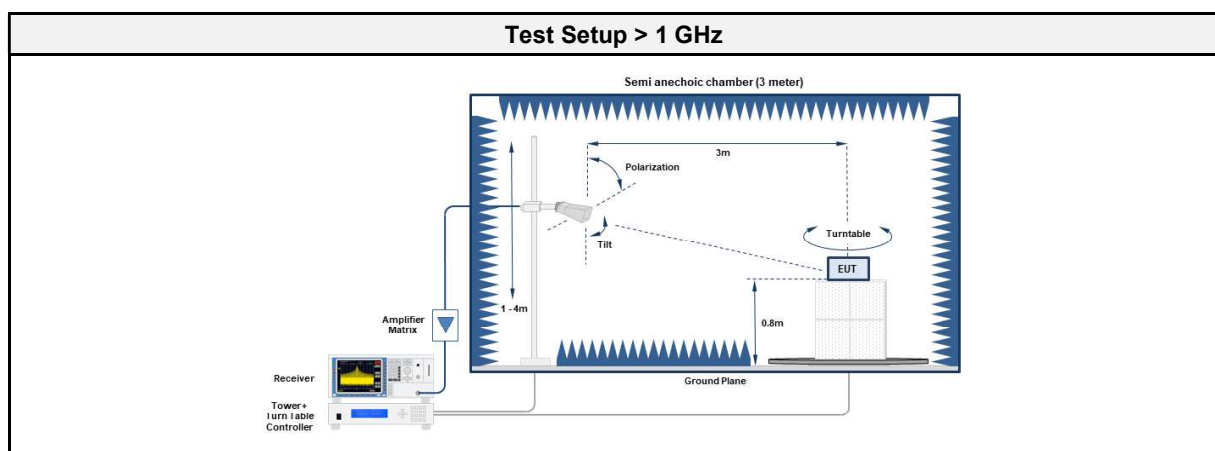
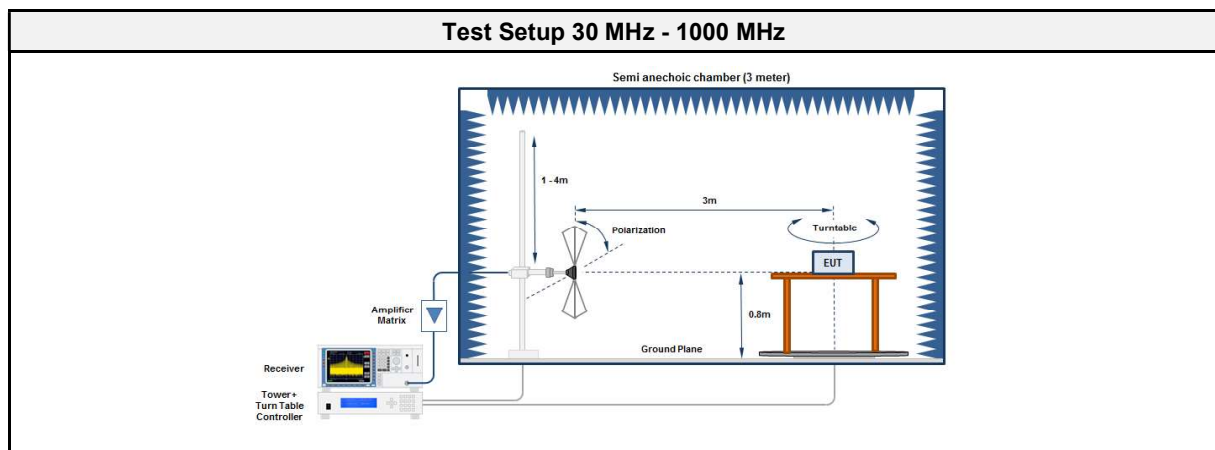
3.4.1 Information

Test Information	
Reference	ISED RSS-247, Issue 3 (section 3.1). RSS-Gen 7.3
Measurement Uncertainty	± 5.95 dB
Measurement Method	ANSI C63.10 6.1-6.6
Operator	Azamat Ibraimov, Florian Voigt
Date	2024-05-24

3.4.2 Limits

Limits			
Frequency range [MHz]	Detector	Field strength [$\mu\text{V/m}$]	Measurement distance [m]
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

3.4.3 Setup



3.4.4 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	RadiMation	2020.1.8

Test Equipment 30 MHz - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2022-11	2025-11
EMI Test Receiver	Rohde & Schwarz Vertriebs GmbH	ESU26	EF00887	2024-01	2025-01
Antenna	Schwarzbeck	VULB 9168	EF01824	2022-10	2025-10

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2022-11	2025-11
Spectrum analyzer	Rohde & Schwarz	FSW43	EF00896	2023-08	2024-08
EMI Test Receiver	Rohde & Schwarz	ESU26	EF00887	2024-01	2025-01
Horn antenna	Schwarzbeck	BBHA 9120D	EF01561	2021-11	2024-11
Horn Antenna	Schwarzbeck	HWRD 650	EF01679	2024-05	2027-05
Antenna	Amplifier Research	AT4560	EF00302	2023-09	2025-09
Antenna	Flann Microwave Ltd	22240-25 Amp. CBL26402075	EF00301	2023-01	2026-01

3.4.5 Procedure

Test Procedure
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground 2. EUT is set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m 5. All significant emissions are measured again using the corresponding final detector

3.4.6 Results

Test Results						
Channel [MHz]	Emission [MHz]	Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Margin [dB]
5745	32.5916	37.20	qpk	ver	40.00	-02.83
5745	48.4406	35.70	qpk	ver	40.00	-04.34
5745	68.9883	37.00	qpk	ver	40.00	-03.01
5745	81.2107	35.50	qpk	ver	40.00	-04.49
5745	801.1428	41.90	qpk	hor	46.00	-04.13
5745	3000	44.91	pk	ver	74.00	-29.09
5745	3000	41.94	avg	ver	53.98	-12.04
5745	4500	47.86	pk	ver	74.00	-26.14
5745	4500	43.78	avg	ver	53.98	-10.20
5745	7500	42.20	pk	ver	74.00	-31.80
5745	7500	37.59	avg	ver	53.98	-16.39
5745	17242	43.00	pk	ver	74.00	-31.00
5745	17242	35.49	avg	ver	53.98	-18.49
Note: No significant emissions were detected on different channels. The results presented for the worst case mode and channel with the highest output power.						

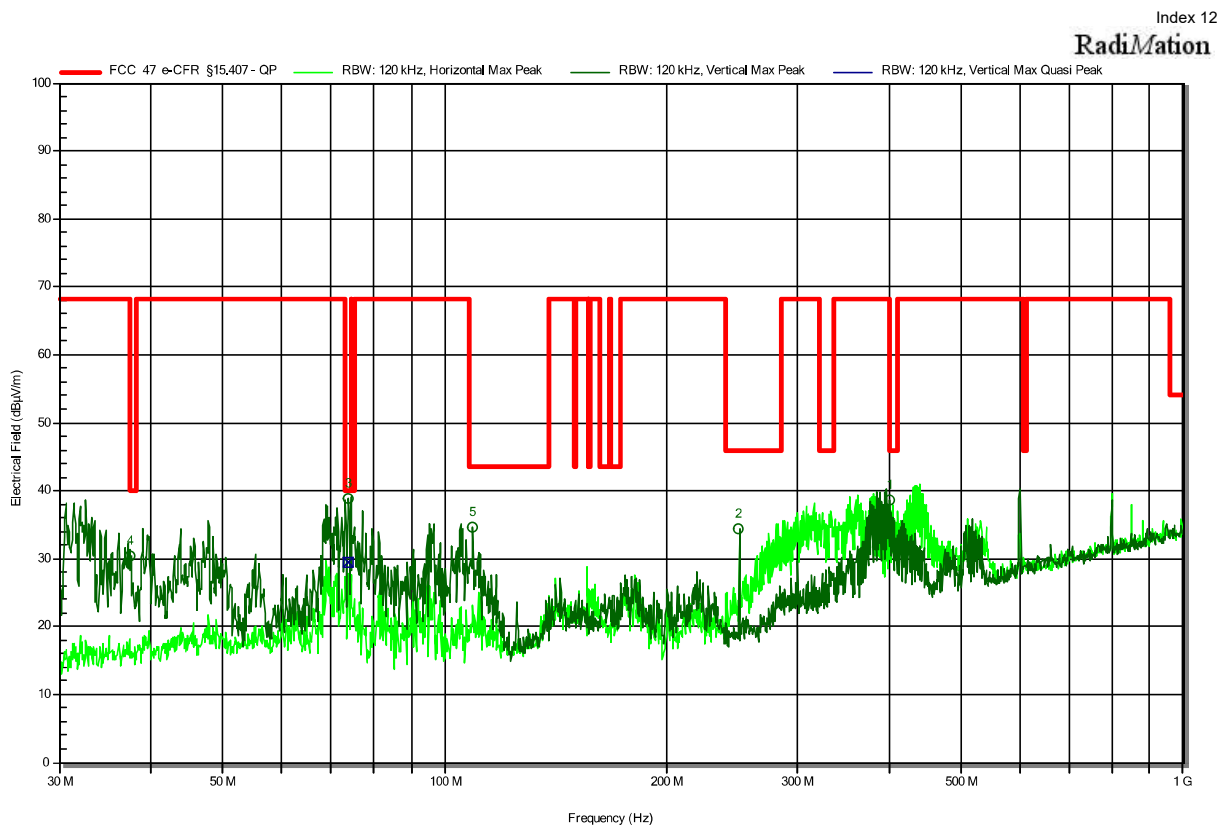
Test Report No.: G0M-2303-1961-TFC407WF-V03

Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

ANNEX A Transmitter spurious emissions

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH40
 Test Date: 2024-05-23
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
37.5013 MHz	30.3 dBµV/m	40 dBµV/m	-9.68 dB	Pass	Vertical
108.7963 MHz	34.7 dBµV/m	43.5 dBµV/m	-8.81 dB	Pass	Vertical
249.996 MHz	34.3 dBµV/m	46 dBµV/m	-11.68 dB	Pass	Vertical
400.0227 MHz	38.5 dBµV/m	46 dBµV/m	-7.46 dB	Pass	Vertical

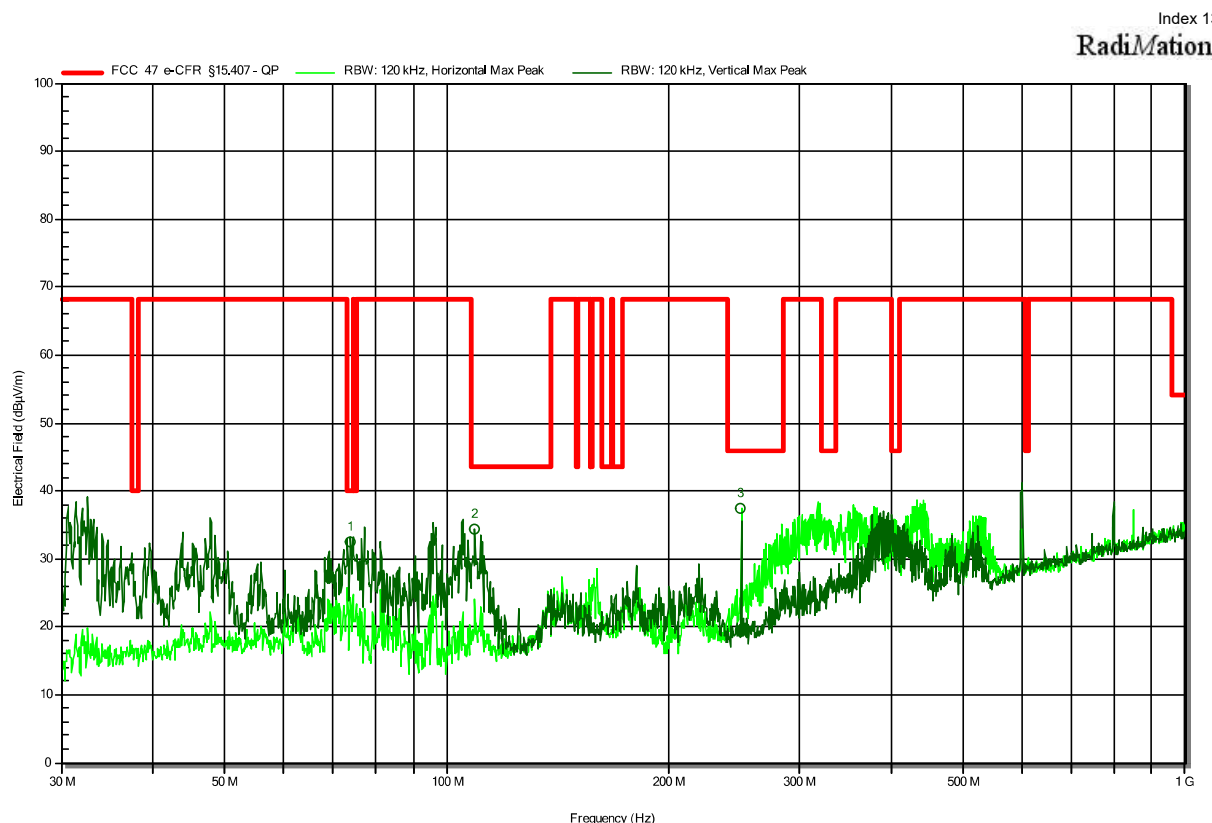
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
73.9087 MHz	29.4 dBµV/m	40 dBµV/m	-10.61 dB	Pass	Vertical

Test Report No.: G0M-2303-1961-TFC407WF-V03

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH116
 Test Date: 2024-05-23
 Note:



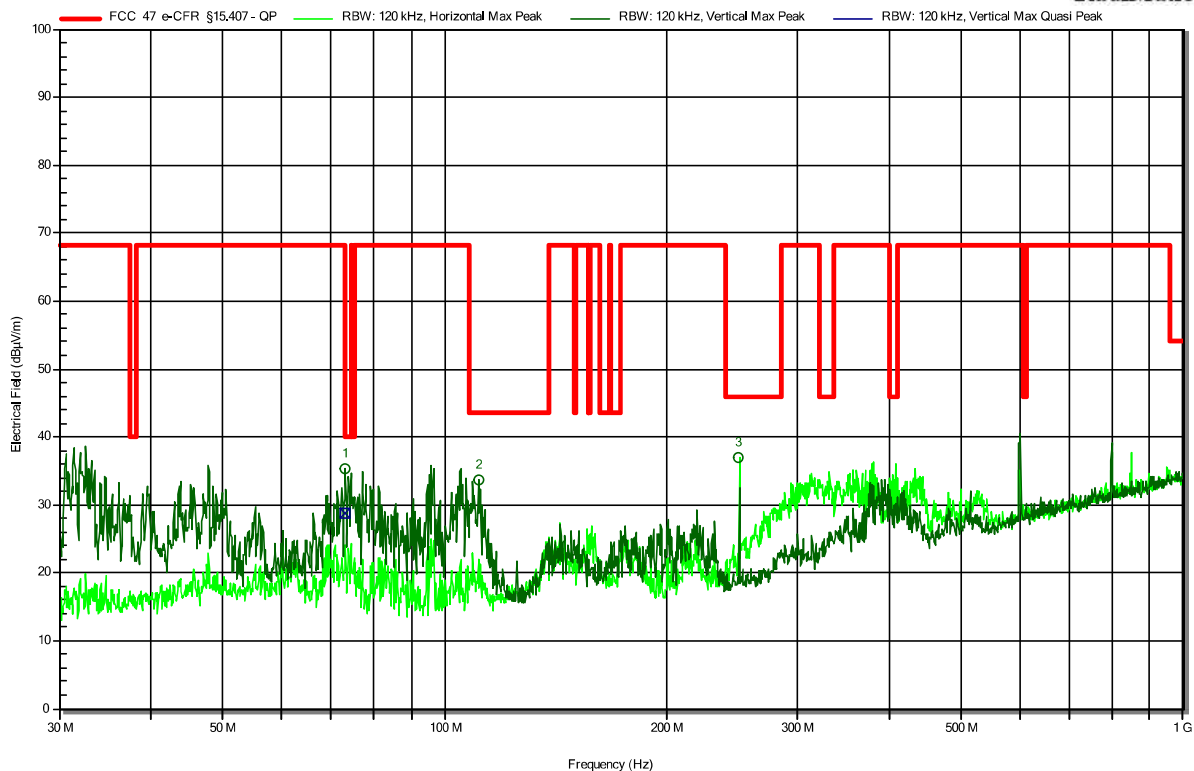
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
73.941 MHz	32.4 dBµV/m	40 dBµV/m	-7.55 dB	Pass	Vertical
108.7963 MHz	34.4 dBµV/m	43.5 dBµV/m	-9.14 dB	Pass	Vertical
249.996 MHz	37.5 dBµV/m	46 dBµV/m	-8.51 dB	Pass	Horizontal

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH149
 Test Date: 2024-05-23
 Note:

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RadiMation



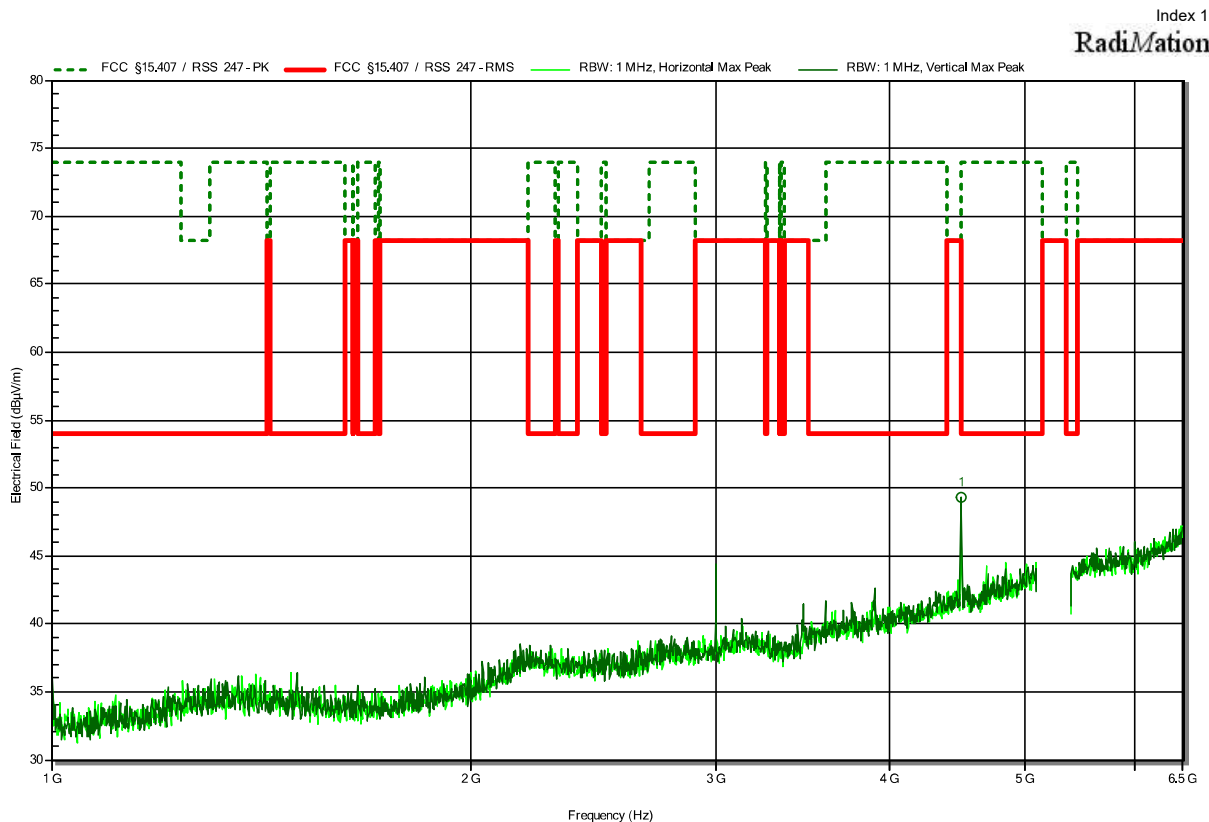
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
110.801 MHz	33.7 dBµV/m	43.5 dBµV/m	-9.81 dB	Pass	Vertical
249.996 MHz	36.9 dBµV/m	46 dBµV/m	-9.12 dB	Pass	Horizontal
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
73.165 MHz	28.8 dBµV/m	40 dBµV/m	-11.21 dB	Pass	Vertical

Test Report No.: G0M-2303-1961-TFC407WF-V03

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

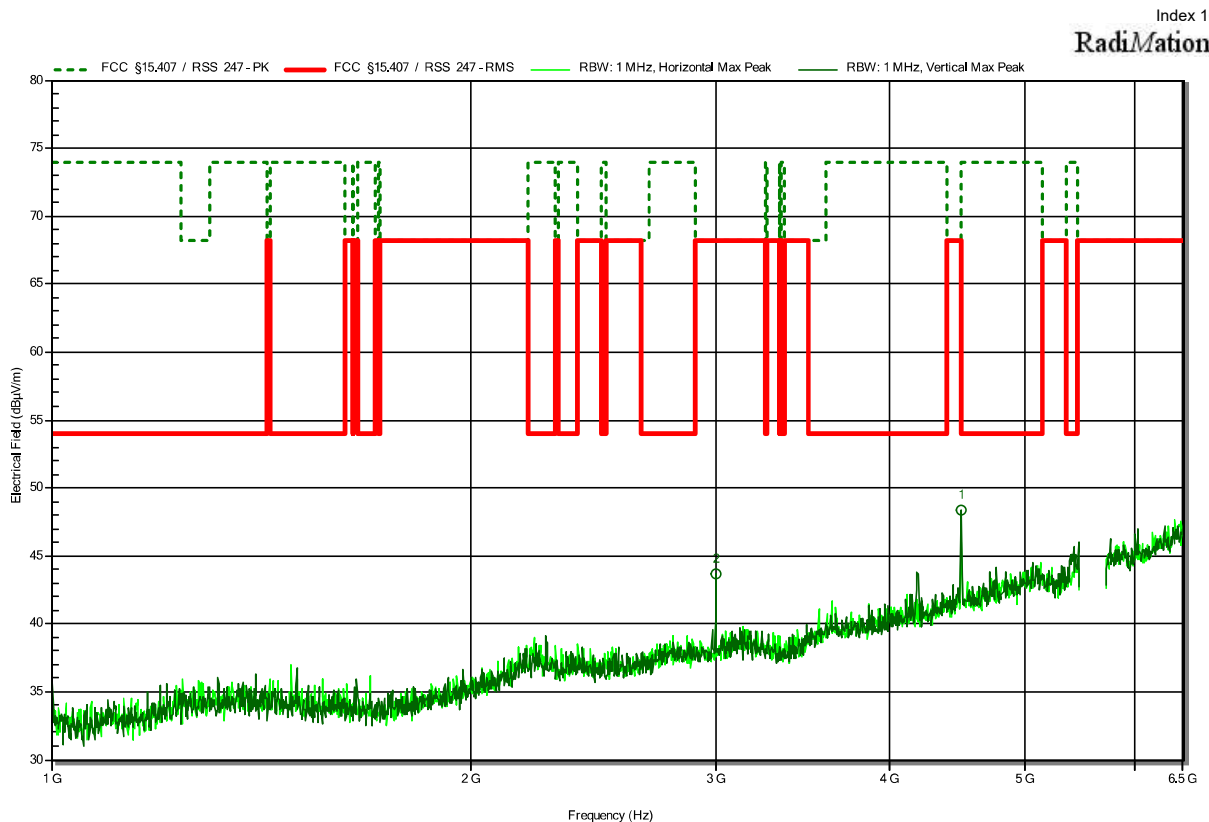
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH40
 Test Date: 2024-05-24
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
4.5 GHz	49.27 dBµV/m	68.2 dBµV/m	-18.93 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

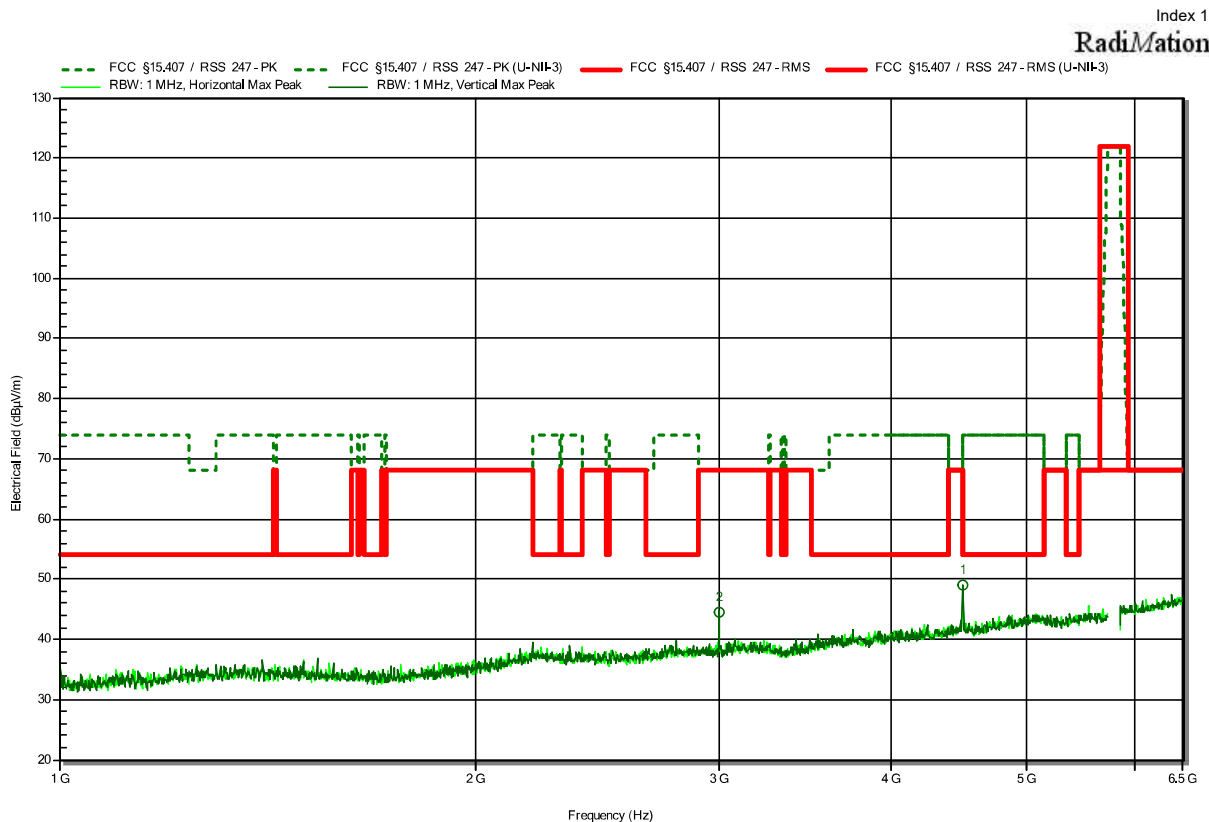
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH116
 Test Date: 2024-05-24
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
3 GHz	43.69 dBµV/m	68.2 dBµV/m	-24.51 dB	Pass	Vertical
4.5 GHz	48.31 dBµV/m	68.2 dBµV/m	-19.89 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

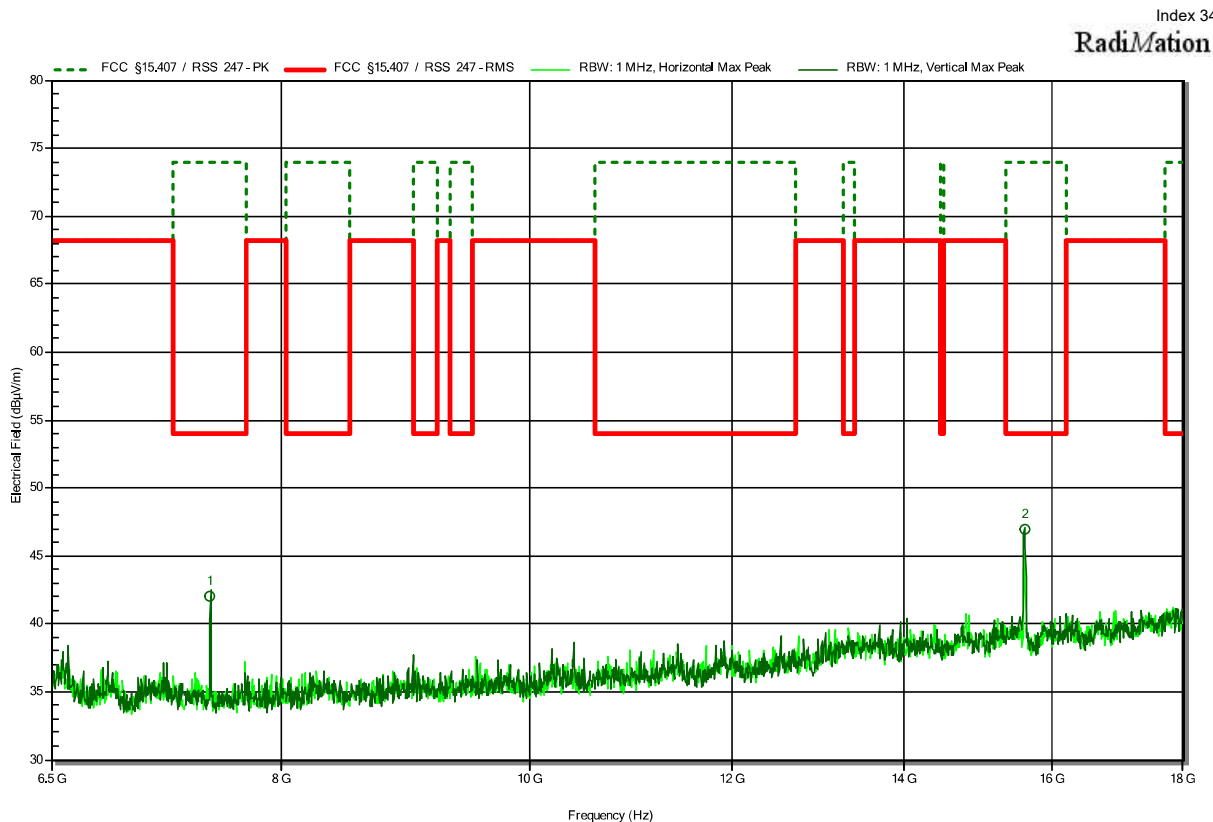
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH149
 Test Date: 2024-05-24
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
3 GHz	44.44 dBμV/m	68.2 dBμV/m	-23.76 dB	Pass	Vertical
4.5 GHz	49.09 dBμV/m	68.2 dBμV/m	-19.11 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

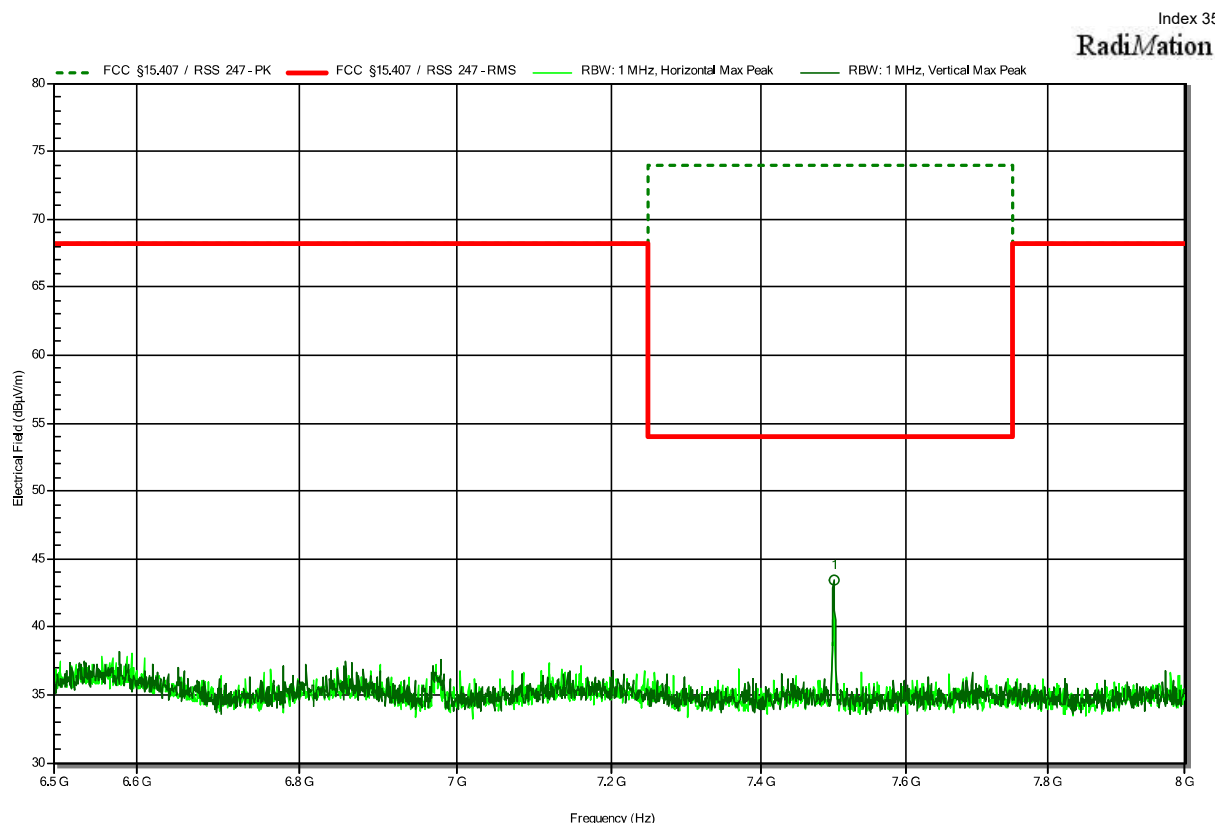
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH40
 Test Date: 2024-05-24
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
7.5 GHz	41.99 dBµV/m	74 dBµV/m	-32.01 dB	Pass	Vertical
15.599 GHz	46.92 dBµV/m	74 dBµV/m	-27.08 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.407, ISSED RSS-247

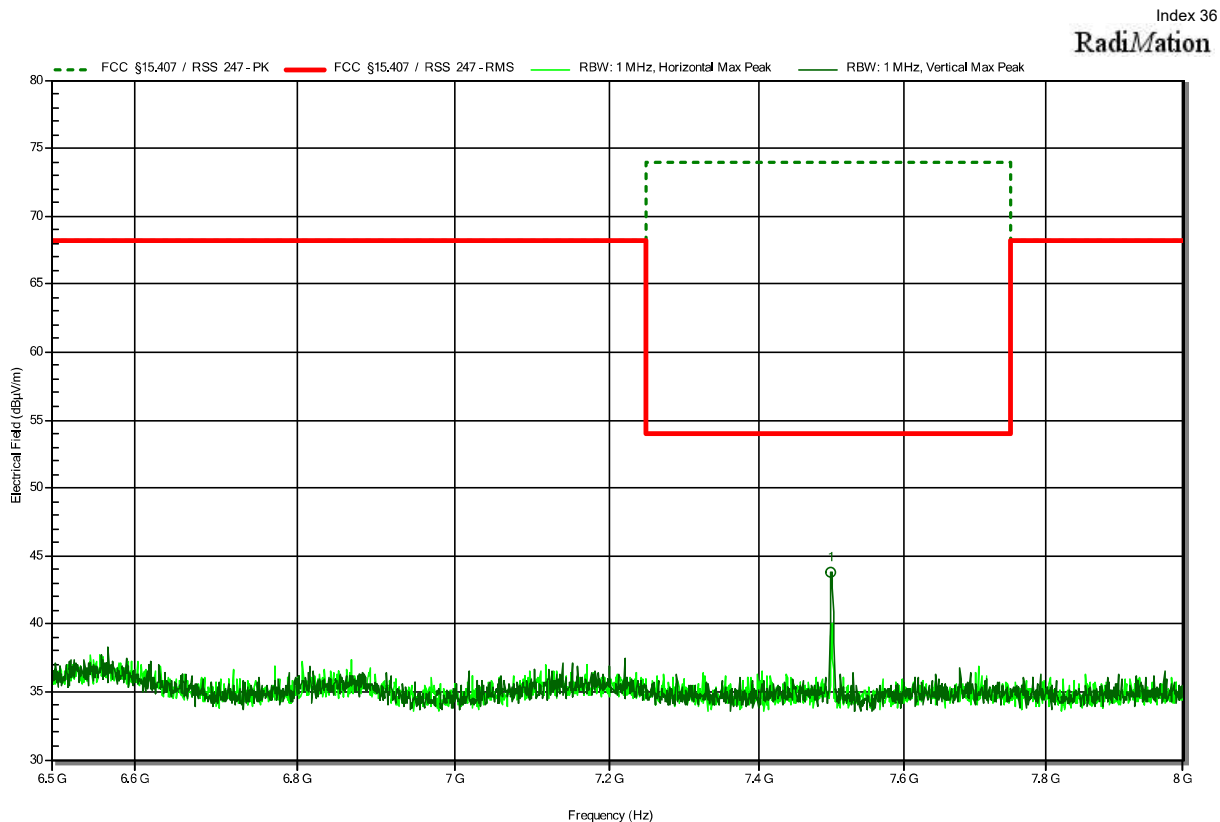
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH116
 Test Date: 2024-05-24
 Note: 6.5 GHz - 8 GHz



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
7.5 GHz	43.43 dBµV/m	74 dBµV/m	-30.57 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

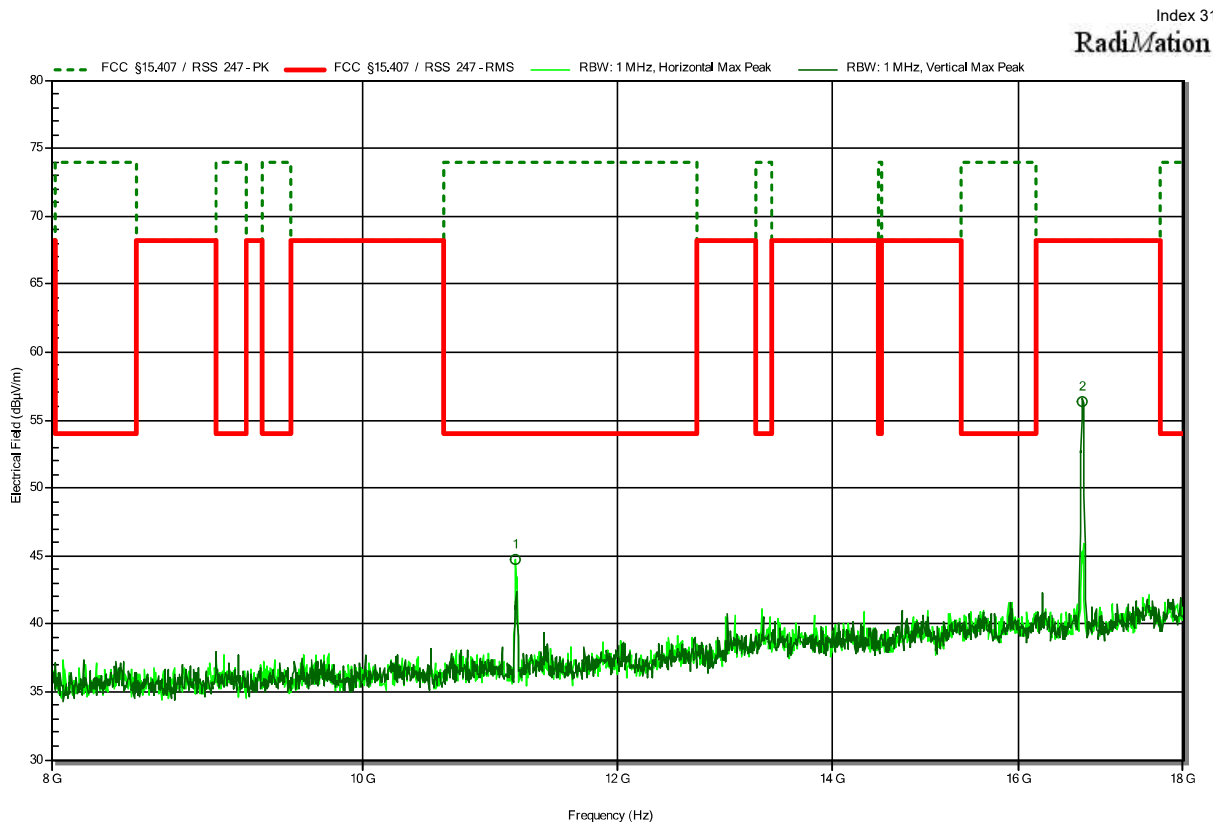
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH149
 Test Date: 2024-05-24
 Note: 6.5 GHz to 8 GHz



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
7.5 GHz	43.8 dBµV/m	74 dBµV/m	-30.2 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

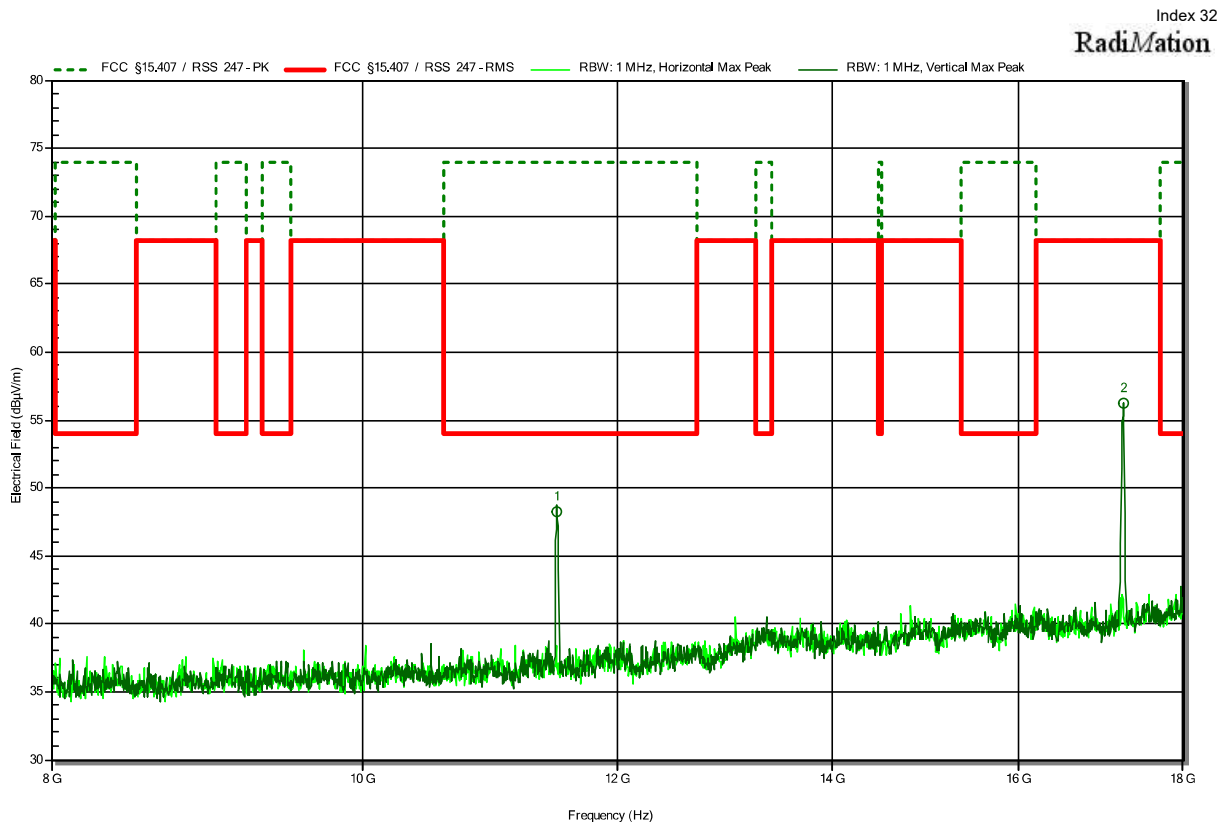
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH116
 Test Date: 2024-05-24
 Note: 8 GHz HP Filter



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
11.159 GHz	44.77 dBµV/m	74 dBµV/m	-29.23 dB	Pass	Horizontal
16.747 GHz	56.31 dBµV/m	68.2 dBµV/m	-11.89 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

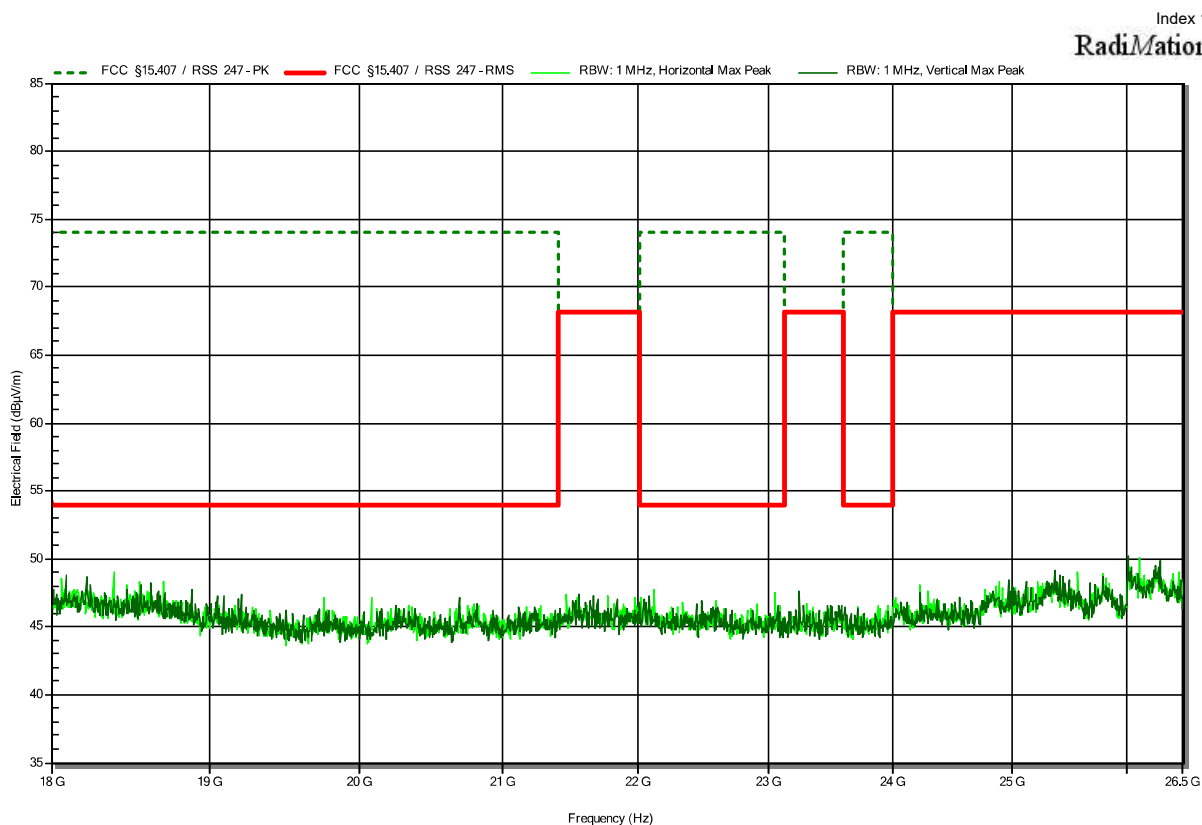
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH149
 Test Date: 2024-05-24
 Note: 8 GHz HP Filter



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
11.488 GHz	48.3 dBµV/m	74 dBµV/m	-25.7 dB	Pass	Vertical
17.242 GHz	56.28 dBµV/m	68.2 dBµV/m	-11.92 dB	Pass	Vertical

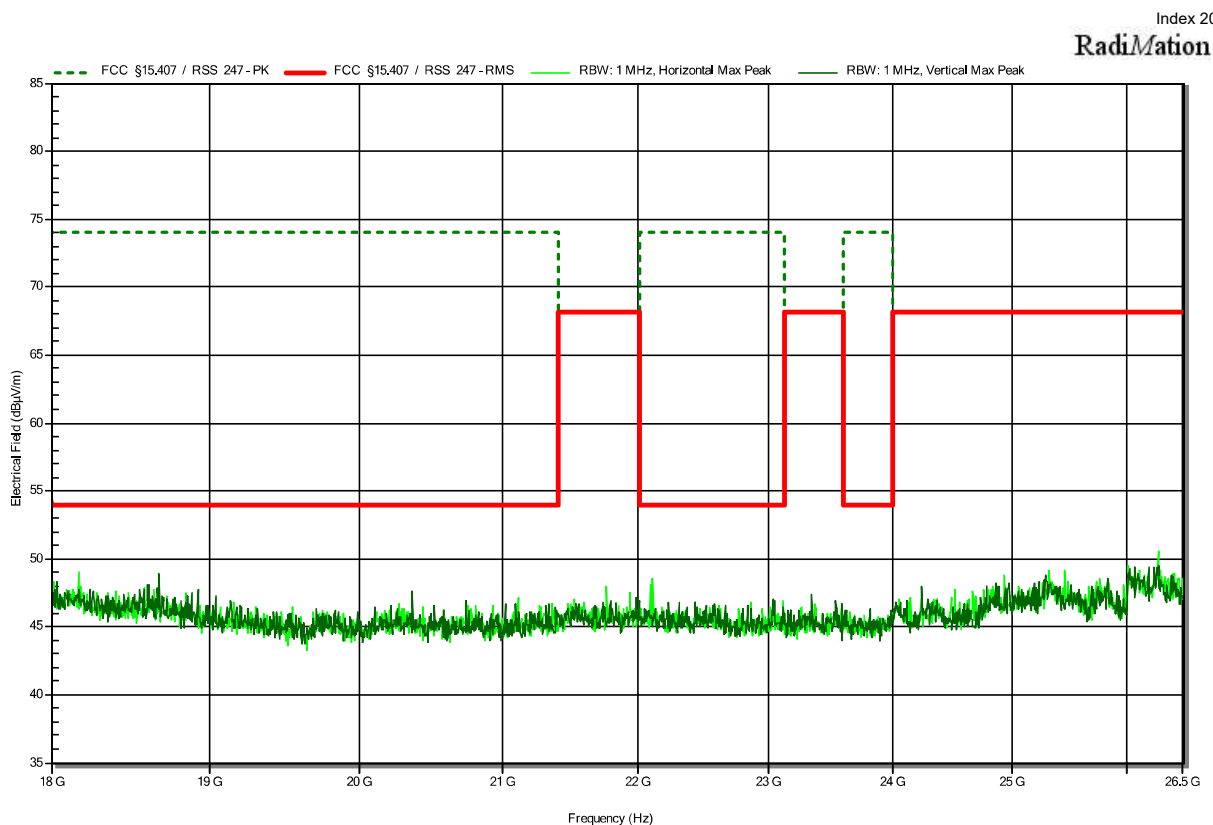
Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Configurable Antenna
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH40
 Test Date: 2024-05-24
 Note:



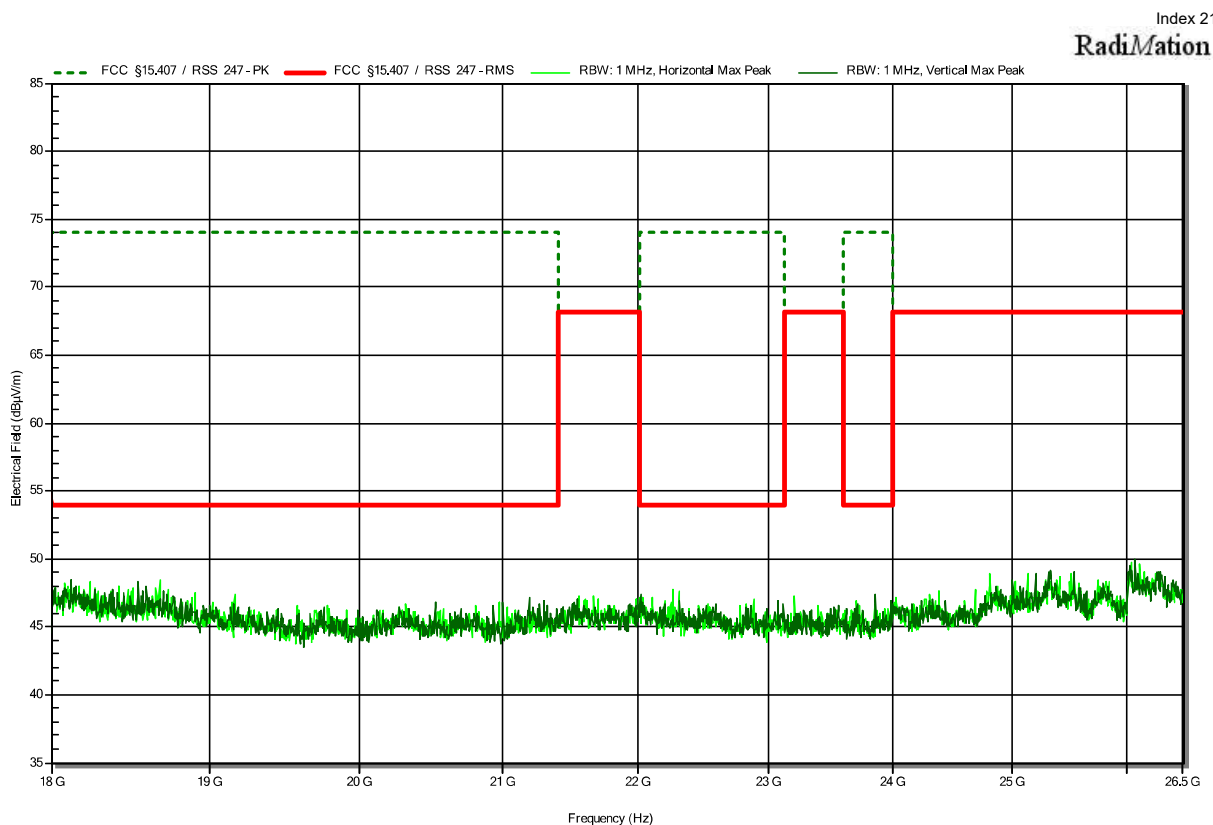
Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Configurable Antenna
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH116
 Test Date: 2024-05-24
 Note:



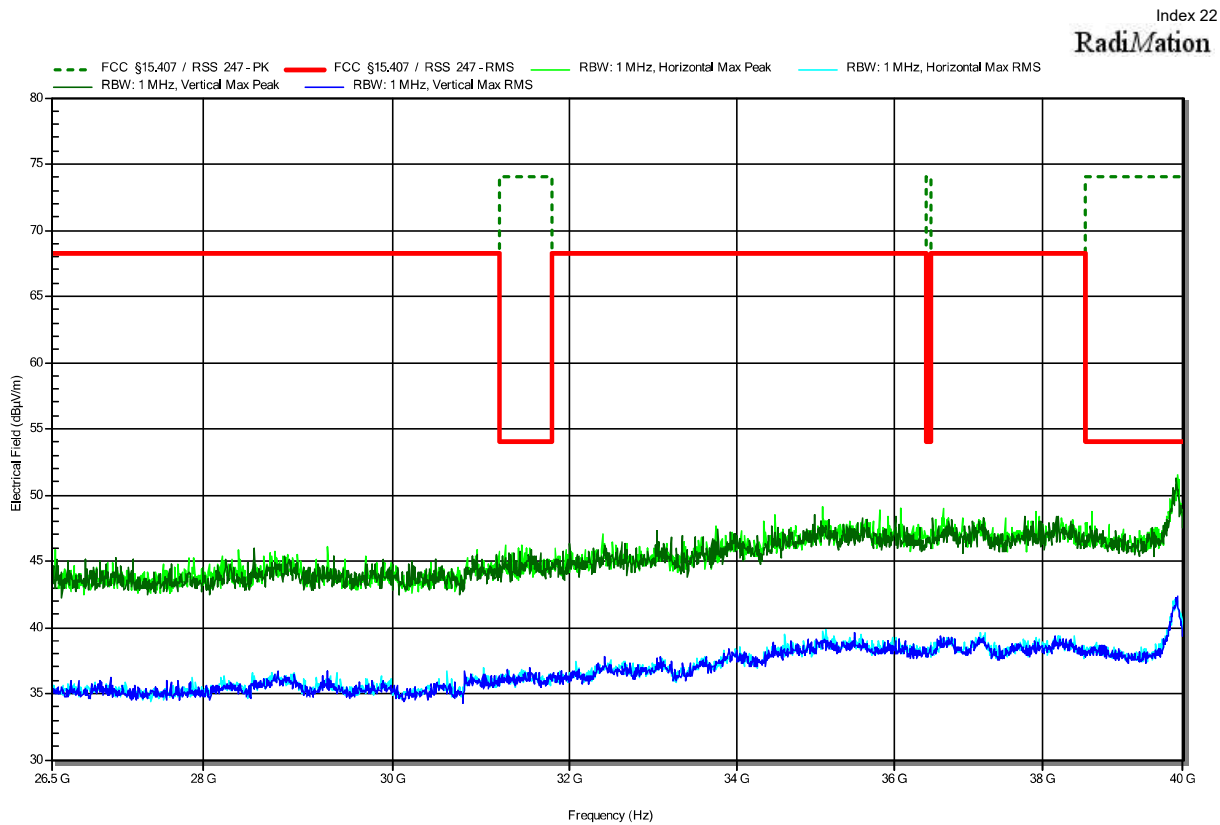
Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Configurable Antenna
 Measurement distance: 3 m
 Mode: Tx; 802.11a_OFDM_CH149
 Test Date: 2024-05-24
 Note:



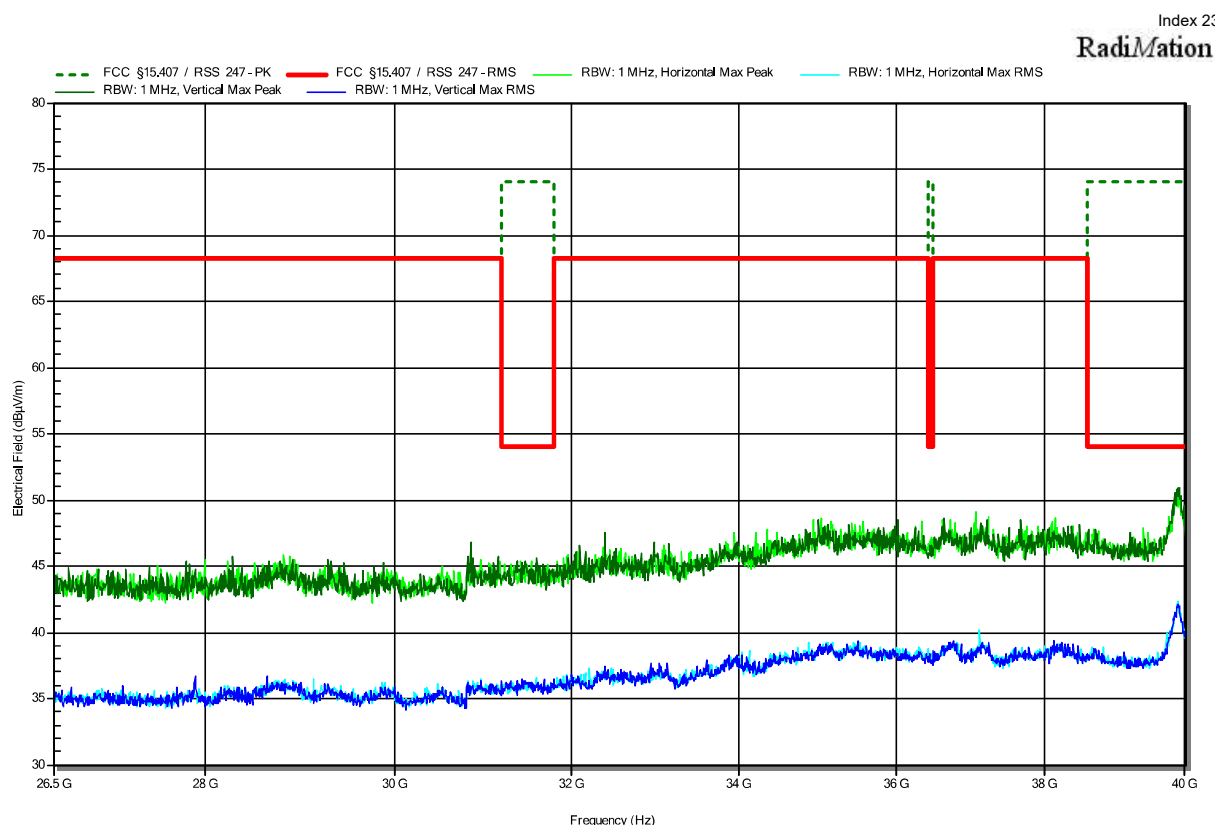
Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Configurable Antenna, Vertical
 Measurement distance: 3 m, converted to 3 m
 Mode: Tx; 802.11a_OFDM_CH40
 Test Date: 2024-05-24
 Note:



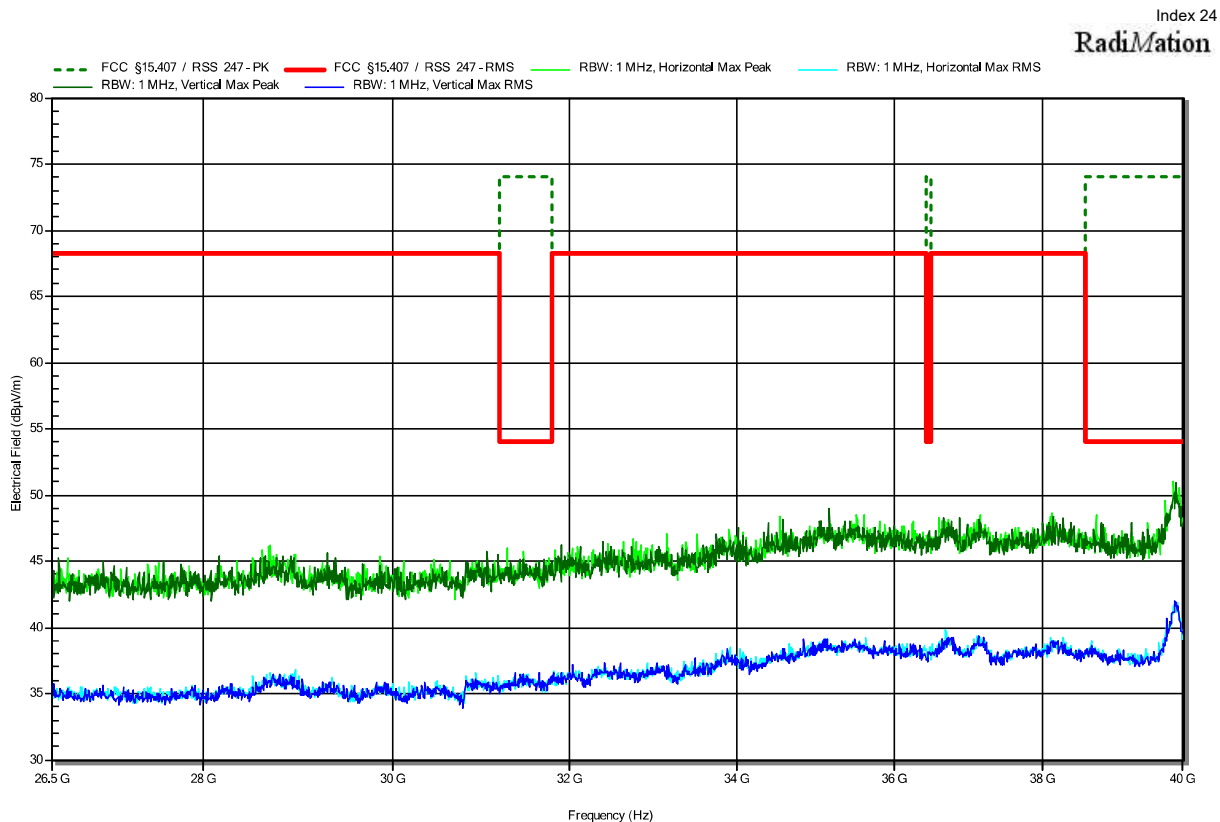
Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Configurable Antenna, Vertical
 Measurement distance: 3 m, converted to 3 m
 Mode: Tx; 802.11a_OFDM_CH116
 Test Date: 2024-05-24
 Note:



Radiated Spurious Emissions according to FCC 15.407, ISED RSS-247

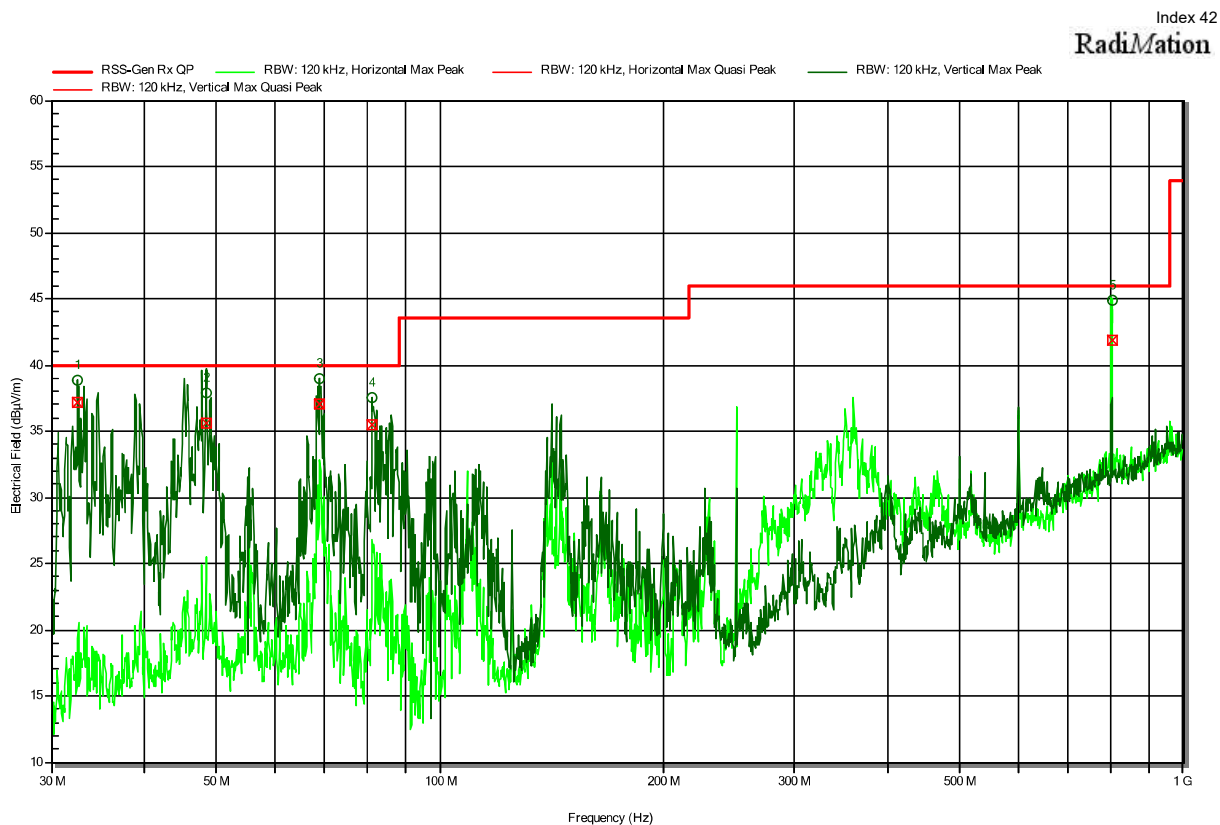
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 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44397
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 V DC
 Antenna: Configurable Antenna, Vertical
 Measurement distance: 3 m, converted to 3 m
 Mode: Tx; 802.11a_OFDM_CH149
 Test Date: 2024-05-24
 Note:



ANNEX B Receiver spurious emissions

Radiated Spurious Emissions according to 47 CFR § 15.407, RSS-Gen Issue 5

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44396
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 VDC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Rx; 802.11_CH149_Rx
 Test Date: 2024-05-24
 Note: EUT horizontal



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
32.5916 MHz	37.2 dBµV/m	40 dBµV/m	-2.83 dB	Pass	Vertical
48.4406 MHz	35.7 dBµV/m	40 dBµV/m	-4.34 dB	Pass	Vertical
68.9883 MHz	37 dBµV/m	40 dBµV/m	-3.01 dB	Pass	Vertical
81.2107 MHz	35.5 dBµV/m	40 dBµV/m	-4.49 dB	Pass	Vertical
801.1428 MHz	41.9 dBµV/m	46 dBµV/m	-4.13 dB	Pass	Horizontal

Test Report No.: G0M-2303-1961-TFC407WF-V03

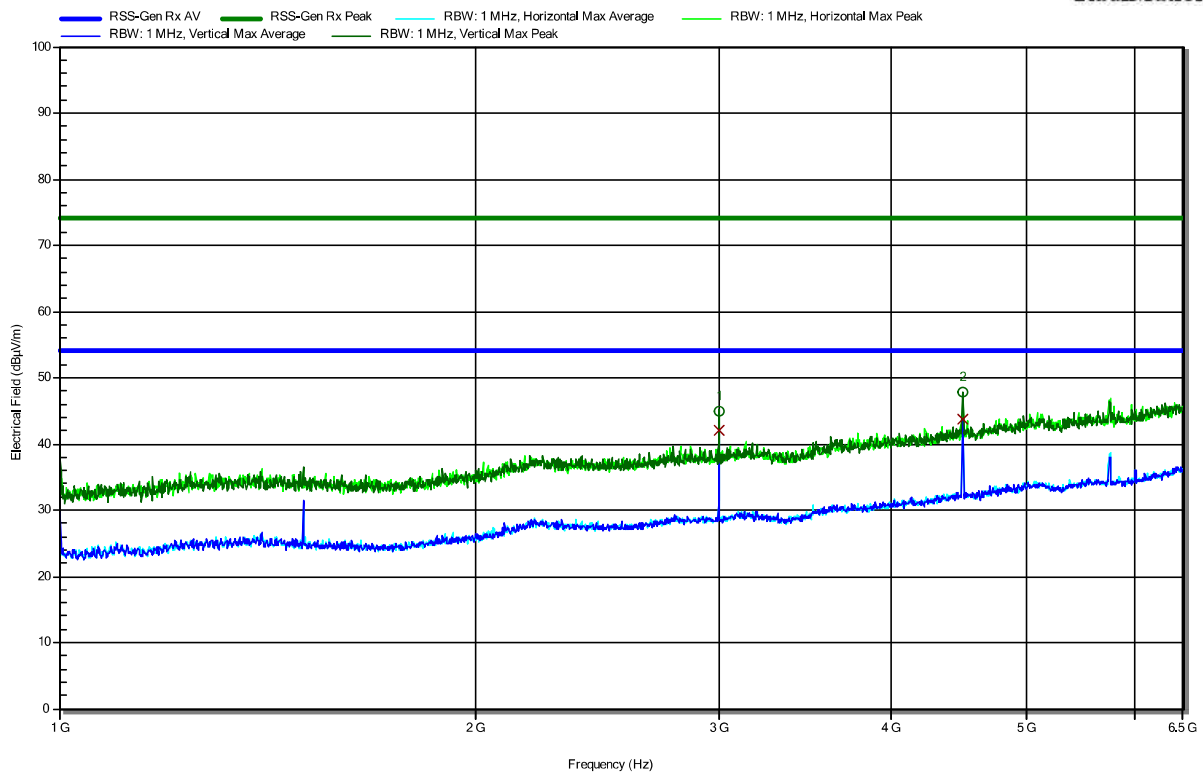
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR § 15.407, RSS-Gen Issue 5

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44396
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 VDC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Rx; 802.11_CH149_Rx
 Test Date: 2024-05-24
 Note:

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RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
3 GHz	44.91 dBμV/m	74 dBμV/m	-29.09 dB	Pass	Vertical
4.5 GHz	47.86 dBμV/m	74 dBμV/m	-26.14 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
3 GHz	41.94 dBμV/m	53.98 dBμV/m	-12.04 dB	Pass	Vertical
4.5 GHz	43.78 dBμV/m	53.98 dBμV/m	-10.2 dB	Pass	Vertical

Test Report No.: G0M-2303-1961-TFC407WF-V03

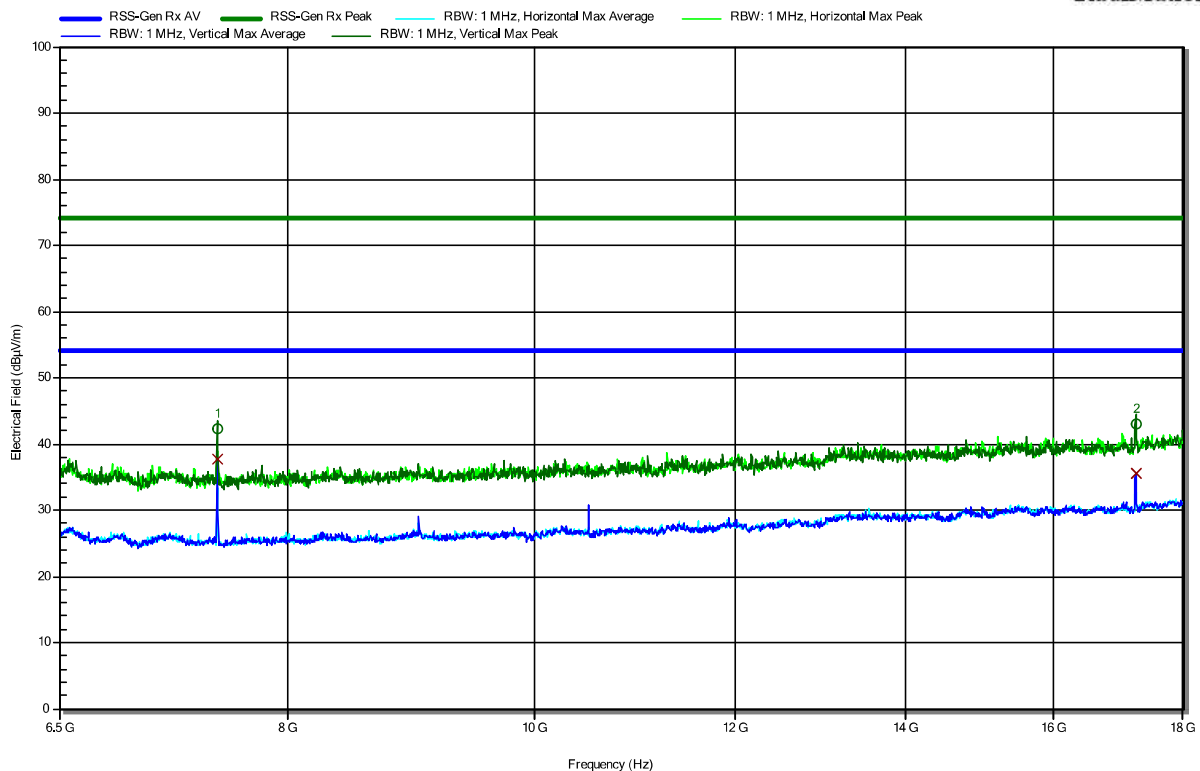
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR § 15.407, RSS-Gen Issue 5

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44396
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Rx; 802.11_CH149_Rx
 Test Date: 2024-05-24
 Note:

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RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
7.5 GHz	42.2 dBµV/m	74 dBµV/m	-31.8 dB	Pass	Vertical
17.242 GHz	43 dBµV/m	74 dBµV/m	-31 dB	Pass	Vertical

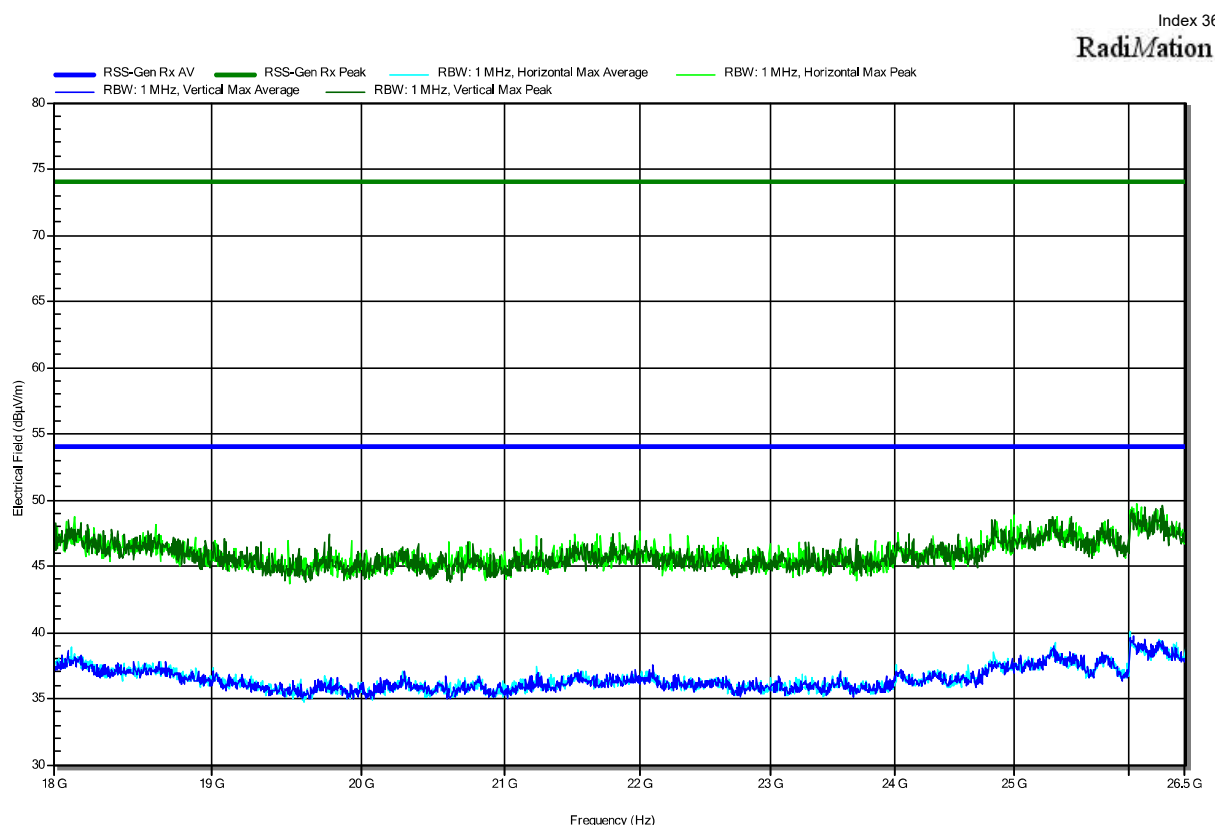
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
7.5 GHz	37.59 dBµV/m	53.98 dBµV/m	-16.39 dB	Pass	Vertical
17.242 GHz	35.49 dBµV/m	53.98 dBµV/m	-18.49 dB	Pass	Vertical

Test Report No.: G0M-2303-1961-TFC407WF-V03

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

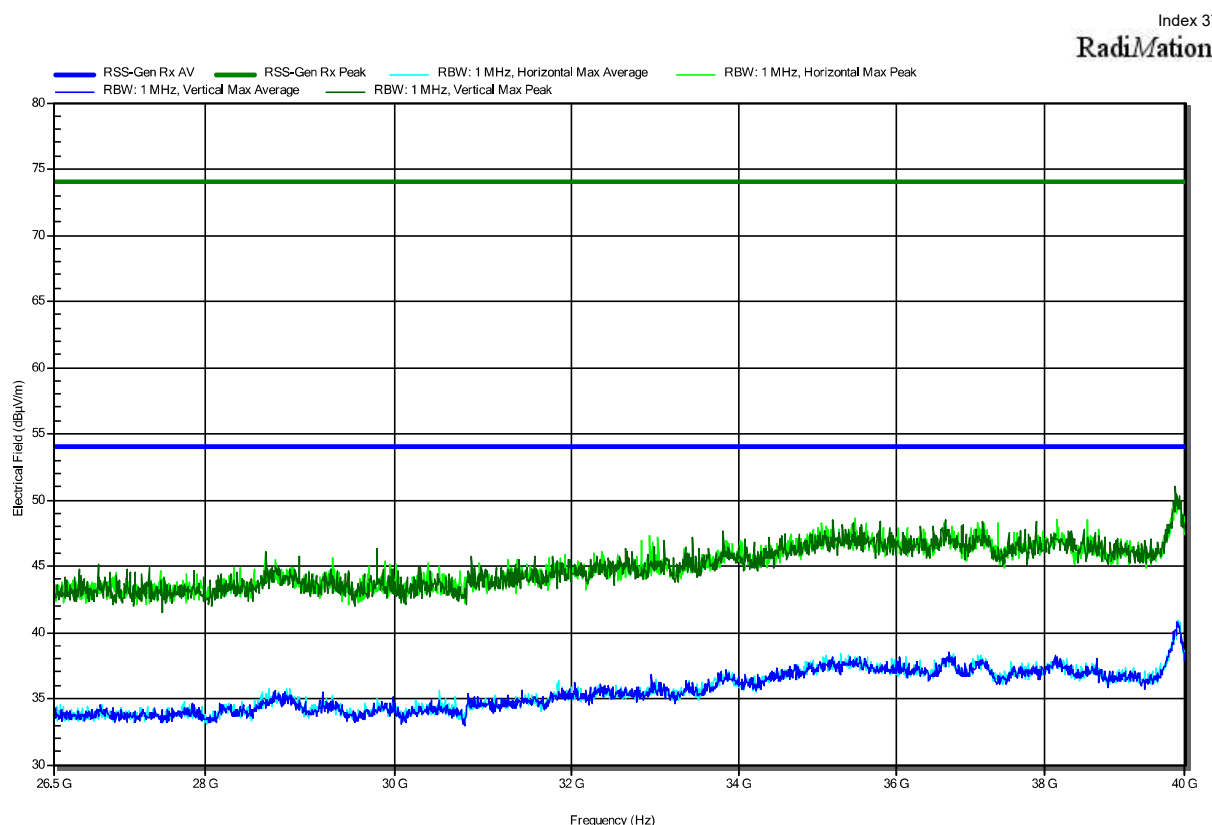
Radiated Spurious Emissions according to 47 CFR § 15.407, RSS-Gen Issue 5

Project Number: G0M-2303-1961
 Applicant: Navico Inc.
 Model Description: Marine and recreational IoT Gateway and vessel management system
 Model: Connect 1
 Test Sample ID: 44396
 Test Site: Eurofins Product Service GmbH
 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 VDC
 Antenna: Configurable Antenna
 Measurement distance: 3 m
 Mode: Rx; 802.11_CH1149_Rx
 Test Date: 2024-05-24
 Note:



Radiated Spurious Emissions according to 47 CFR § 15.407, RSS-Gen Issue 5

Project Number: G0M-2303-1961
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 Model: Connect 1
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 Operator: A.Ibraimov
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 13.8 VDC
 Antenna: Configurable Antenna
 Measurement distance: 3 m
 Mode: Rx; 802.11_CH149_Rx
 Test Date: 2024-05-24
 Note:



== = END OF TEST REPORT == =