

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 96
47 CFR FCC Part 2

Report No.: RFCVSF-WTW-P25090814A-1

FCC ID: PKRISGM4010

Product: Wireless Hotspot

Brand: Inseego

Model No.: M4010

Received Date: 2026/4/20

Test Date: 2026/5/30

Issued Date: 2026/6/11

Applicant: Inseego Corp.

Address: 9710 Scranton Road, Suite 200, San Diego, CA 92121, USA

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan

FCC Registration /
Designation Number: 788550 / TW0003

Approved by: _____

Jeremy Lin

, Date: _____

2026/6/11

Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFCVSF-WTW-P25090814A-1	Original release.	2026/6/11

1 Certificate

Product: Wireless Hotspot

Brand: Inseego

Test Model: M4010

Sample Status: Engineering sample

Applicant: Inseego Corp.

Test Date: 2026/5/30

Standard: 47 CFR FCC Part 96
47 CFR FCC Part 2

Measurement procedure: ANSI/TIA/EIA-603-E 2016
ANSI C63.26-2015
KDB 971168 D01 Power Meas License Digital Systems v03r01
KDB 940660 D01 Part 96 CBRS Eqpt v03

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 96.41(b)	Maximum EIRP	Pass	Meet the requirement of limit.
Part 2.1047	Modulation Characteristics	N/A	Refer to Note
Part 2.1046 Part 96.41(b)	Maximum Power Spectral Density	N/A	This device is End User Device.
Part 96.41(g)	Peak to Average Ratio	N/A	Refer to Note
Part 2.1049	Bandwidth	N/A	Refer to Note
Part 2.1051 Part 96.41(e)	Conducted Spurious Emissions	N/A	Refer to Note
Part 2.1053 Part 96.41(e)	Radiated Spurious Emissions below 1GHz	N/A	Refer to Note
Part 2.1053 Part 96.41(e)	Radiated Spurious Emissions above 1GHz	N/A	Refer to Note
Part 2.1055	Frequency Stability	N/A	Refer to Note

Note:

- Only test item of Maximum EIRP was performed for this report. Test data for other test items please refer to BV CPS report no.: RFCVSF-WTW-P25090814-6.
- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Parameter	Uncertainty (±)
Effective Radiated Power and Equivalent Isotropically Radiated Power	1.371 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Wireless Hotspot
Brand	Inseego
Test Model	M4010
Market Model Name	M4000, M4040
Model Difference	Marketing purpose
Status of EUT	Engineering sample
Power Supply Rating	5 Vdc or 9 Vdc or 12 Vdc from adapter 3.85 Vdc from battery
EUT Category	End User Device
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM
LTE support SISO bands	B48
LTE bands support CA mode	48C
PC3 for Power Class	B48

Note:

1. This report is issued as a supplementary report to BV CPS report no.: RFCVSF-WTW-P25090814-6. The difference compared to the original report is adding LTE Band 4, 17, 25. The Maximum EIRP test is performed for the addendum. Refer to original report for the other test data.

2. The EUT uses following accessories.

Item	Brand	Model	Specification	P/N
AC Adapter	SUNUN	P181	AC Input: 100-240 Vac, 50/60 Hz, 0.5 A max DC Output: 5 Vdc, 3 A; 9 Vdc, 2 A; 12 Vdc, 1.5 A	-
USB Cable	inseego	-	Signal Line: 1.0 m, shielded	CAB-60723090
Battery	inseego	754685	3.85 Vdc, 5050 mAh, 19.44 Wh	-

3. EUT Overview

LTE Band 48

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	3552.5 ~ 3697.5	QPSK	0.154	21.87
		16QAM	0.119	20.77
		64QAM	0.093	19.68
		256QAM	0.046	16.66
10 MHz	3555 ~ 3695	QPSK	0.153	21.86
		16QAM	0.122	20.86
		64QAM	0.096	19.82
		256QAM	0.048	16.77
15 MHz	3557.5 ~ 3692.5	QPSK	0.152	21.83
		16QAM	0.124	20.92
		64QAM	0.094	19.73
		256QAM	0.047	16.72
20 MHz	3560 ~ 3690	QPSK	0.158	21.99
		16QAM	0.128	21.07
		64QAM	0.098	19.9
		256QAM	0.049	16.93

4. For detailed information about each WWAN bands frequency range, bandwidth mode of the product, please refer to section 3.3 of the report.

5. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Type		PIFA		
Connector		Contact spring		
Band		Freq. Range (MHz)	Gain (dBi)	
			WWAN (A2-TX0)	WWAN (A3-TX1)
LTE B48	1TX (Diversity)	3550 ~ 3700	0.31	0.97

* For 1TX (Diversity), the maximum antenna gain for each band were chosen for final test.

* The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. Pre-Scan has been conducted to determine the worst-case from all possible combinations of EUT configure mode (1TX or 2TX if available), channel, bandwidth, modulation and RB mode. See below table(s) for details.
Worst Case:	X-axis/ Y-axis/ Z-axis Worst Condition: Y-axis

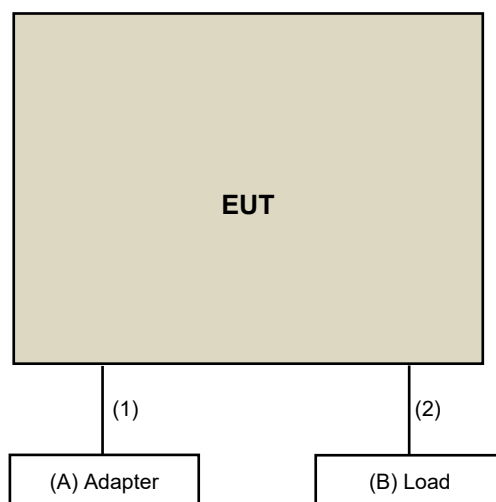
3.3.1 LTE Band 48

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Maximum EIRP	PC3 (1TX)	55265(3552.50 MHz) 55990(3625.00 MHz) 56715(3697.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		55290(3555.00 MHz) 55990(3625.00 MHz) 56690(3695.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		55315(3557.50 MHz) 55990(3625.00 MHz) 56665(3692.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		55340(3560.00 MHz) 55990(3625.00 MHz) 56640(3690.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB

3.4 Test Program Used and Operation Descriptions

There is no need to controlling software during the test, and the EUT can be paired with the Radio Communication Analyzer to test the connection when it is powered on.

3.5 Connection Diagram of EUT and Peripheral Devices



Remote Site



3.1 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	SUNUN	P181	N/A	N/A	Accessory of EUT
B	Load	N/A	N/A	N/A	N/A	Provided by Lab
C	Radio Communication Analyzer	Anritsu	MT8821C	6272278310	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB Cable	1	1.0	Yes	0	Accessory of EUT
2	RJ45 Cable	1	1.5	No	0	Provided by Lab

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Maximum EIRP

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030B	MY57140953	2025/7/31	2026/7/30
Radio Communication Analyzer Anritsu	MT8821C	6261806803	2026/2/12	2027/2/11
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/5/30

5 Limits of Test Items

5.1 Maximum EIRP

For LTE Band 48:

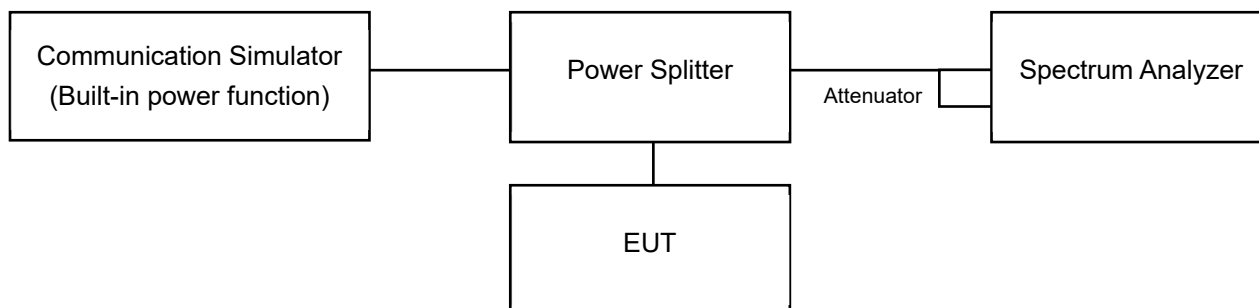
Device Category	Maximum EIRP (dBm/10 MHz)
End User Device	23
Category A CBSD	30
Category B CBSD	47

6 Test Arrangements

6.1 Maximum EIRP

6.1.1 Test Setup

Conducted Power Measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology and link to spectrum analyzer measurements. Set the EUT to transmit under low, middle and high channel and record the power level shown on spectrum analyzer. Power measurements use detector average (rms).

Measurement method refers to ANSI C63.26 section 5.2.4.4.

- Set span to $2 \times$ to $3 \times$ the OBW.
- Set RBW = 1% to 5% of the OBW.
- Set VBW $\geq 3 \times$ RBW.
- Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- Set Sweep time = auto-couple.
- Detector = power averaging (rms).
- Set sweep trigger to "free run."
- Trace average at least 100 traces in power averaging (rms) mode.
- Use the Band/Channel Power function to determine the integrated power per 10 MHz bandwidth and full bandwidth, according to the 47 CFR FCC Part 96 standard.
- If Duty cycle < 98%, Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission.

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_{\text{Meas}} + G_T$$

$$\text{ERP} = P_{\text{Meas}} + G_T - 2.15$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

7 Test Results of Test Item

7.1 Maximum EIRP

Environmental Conditions:	23°C, 74% RH	Tested By:	Willy Cheng
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7.1.1 LTE Band 48

LTE Band 48, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55265	CH 55990	CH 56715
			3552.5 MHz	3625 MHz	3697.5 MHz
QPSK	1	0	20.00	20.64	19.99
	1	12	20.90	20.79	20.54
	1	24	20.70	20.79	20.66
	12	0	19.77	19.61	19.32
	12	6	19.58	19.59	19.49
	12	13	19.69	19.64	19.66
	25	0	19.63	19.56	19.52
16QAM	1	0	18.98	19.14	19.04
	1	12	19.80	19.79	19.33
	1	24	19.58	19.67	19.46
	12	0	18.51	18.66	18.36
	12	6	18.64	18.36	18.57
	12	13	18.51	18.35	18.29
	25	0	18.64	18.74	18.27
64QAM	1	0	17.89	18.22	18.09
	1	12	18.71	18.52	18.37
	1	24	18.70	18.64	18.52
	12	0	17.34	17.26	17.32
	12	6	17.48	17.67	17.41
	12	13	17.54	17.43	17.35
	25	0	17.26	17.55	17.39
256QAM	1	0	14.88	15.17	15.13
	1	12	15.60	15.69	15.00
	1	24	15.59	15.56	15.50
	12	0	14.36	14.44	14.35
	12	6	14.62	14.48	14.44
	12	13	14.42	14.30	14.28
	25	0	14.57	14.30	14.37

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.32	20.90	20.29	21.87	23.00
16QAM	18.27	19.80	19.24	20.77	23.00
64QAM	17.26	18.71	18.23	19.68	23.00
256QAM	14.28	15.69	15.25	16.66	23.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55290	CH 55990	CH 56690
			3555 MHz	3625 MHz	3695 MHz
QPSK	1	0	20.17	20.83	19.98
	1	24	20.89	20.61	20.55
	1	49	20.79	20.61	20.67
	25	0	19.60	19.57	19.36
	25	12	19.73	19.53	19.57
	25	25	19.69	19.67	19.49
	50	0	19.41	19.51	19.30
16QAM	1	0	19.12	19.05	19.27
	1	24	19.89	19.71	19.43
	1	49	19.77	19.55	19.75
	25	0	18.43	18.53	18.40
	25	12	18.48	18.55	18.43
	25	25	18.47	18.56	18.55
	50	0	18.67	18.58	18.57
64QAM	1	0	18.11	18.04	18.05
	1	24	18.61	18.53	18.48
	1	49	18.85	18.59	18.58
	25	0	17.46	17.48	17.24
	25	12	17.31	17.61	17.34
	25	25	17.57	17.70	17.46
	50	0	17.37	17.41	17.17
256QAM	1	0	15.17	15.29	15.05
	1	24	15.48	15.78	15.18
	1	49	15.80	15.49	15.59
	25	0	14.43	14.50	14.21
	25	12	14.48	14.51	14.31
	25	25	14.63	14.39	14.41
	50	0	14.41	14.31	14.22

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.30	20.89	20.27	21.86	23.00
16QAM	18.40	19.89	19.37	20.86	23.00
64QAM	17.17	18.85	18.14	19.82	23.00
256QAM	14.21	15.80	15.18	16.77	23.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55315	CH 55990	CH 56665
			3557.5 MHz	3625 MHz	3692.5 MHz
QPSK	1	0	20.13	20.86	20.05
	1	37	20.86	20.85	20.51
	1	74	20.80	20.58	20.66
	36	0	19.56	19.65	19.49
	36	19	19.47	19.71	19.34
	36	39	19.42	19.71	19.41
	75	0	19.52	19.64	19.50
16QAM	1	0	19.23	19.28	19.13
	1	37	19.95	19.61	19.53
	1	74	19.61	19.49	19.71
	36	0	18.64	18.40	18.41
	36	19	18.66	18.72	18.52
	36	39	18.52	18.59	18.55
	75	0	18.47	18.61	18.47
64QAM	1	0	18.03	18.29	18.28
	1	37	18.48	18.59	18.39
	1	74	18.76	18.60	18.59
	36	0	17.27	17.48	17.35
	36	19	17.45	17.50	17.33
	36	39	17.69	17.56	17.25
	75	0	17.41	17.54	17.22
256QAM	1	0	14.95	15.17	15.12
	1	37	15.58	15.72	15.29
	1	74	15.61	15.75	15.39
	36	0	14.37	14.55	14.33
	36	19	14.70	14.42	14.51
	36	39	14.31	14.41	14.26
	75	0	14.52	14.39	14.33

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.34	20.86	20.31	21.83	23.00
16QAM	18.40	19.95	19.37	20.92	23.00
64QAM	17.22	18.76	18.19	19.73	23.00
256QAM	14.26	15.75	15.23	16.72	23.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55340	CH 55990	CH 56640
			3560 MHz	3625 MHz	3690 MHz
QPSK	1	0	20.19	21.02	20.53
	1	50	20.84	20.94	20.68
	1	99	21.00	20.88	20.87
	50	0	19.82	19.86	19.52
	50	25	19.99	19.86	19.80
	50	50	19.84	19.82	19.63
	100	0	19.71	19.83	19.63
16QAM	1	0	19.25	19.35	19.37
	1	50	20.10	19.89	19.82
	1	99	20.02	19.69	19.74
	50	0	18.71	18.95	18.71
	50	25	18.92	18.93	18.73
	50	50	18.79	18.77	18.68
	100	0	18.76	18.85	18.70
64QAM	1	0	18.12	18.54	18.54
	1	50	18.79	18.70	18.62
	1	99	18.93	18.82	18.85
	50	0	17.78	17.81	17.52
	50	25	17.52	17.77	17.76
	50	50	17.77	17.84	17.64
	100	0	17.83	17.67	17.63
256QAM	1	0	15.20	15.59	15.20
	1	50	15.96	15.94	15.55
	1	99	15.81	15.78	15.67
	50	0	14.75	14.65	14.68
	50	25	14.92	14.58	14.72
	50	50	14.84	14.71	14.73
	100	0	14.66	14.53	14.60

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.52	21.02	20.49	21.99	23.00
16QAM	18.68	20.10	19.65	21.07	23.00
64QAM	17.52	18.93	18.49	19.9	23.00
256QAM	14.53	15.96	15.5	16.93	23.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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