





# RF TEST REPORT

**Applicant** Tag-N-Trac Inc.

**FCC ID** 2A24I-V07G0BJ17

**Product** SmartSense Label

**Brand** Tag-N-Trac Inc.

Model SSL300

**Report No.** R2306A0684-R4

Issue Date August 18, 2023

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in FCC CFR47 Part 2 (2022)/ FCC CFR 47 Part 24E (2022). The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Approved by: Xu Kai

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### **Summary of measurement results**

No.	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 24.232(c)	PASS
2	Radiated Spurious Emission	2.1053 / 24.238(a)	PASS

Date of Testing: June 19, 2023 and July 7, 2023

Date of Sample Received: June 15, 2023

Note: PASS: The EUT complies with the essential requirements in the standard.

FAIL: The EUT does not comply with the essential requirements in the standard.

All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.

Only Radiated Spurious Emission is tested for SSL300 in this report, and because of the change of antenna gain, Effective Isotropic Radiated Power also re evaluated.

Other test items refer to the Module report (Report No.: R2112A1193-R6, FCC ID: XMR2022BG772AGL).



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1. Test Laboratory

1.1. Notes of the test report

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(Shanghai) Co., Ltd. The results documented in this report apply only to the tested sample, under

the conditions and modes of operation as described herein . Measurement Uncertainties were not

taken into account and are published for informational purposes only. This report is written to support

regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission

list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory

Accreditation to perform measurement.

1.3. Testing Location

Company:

TA Technology (Shanghai) Co., Ltd.

Address:

Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China

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Report No.: R2306A0684-R4 **RF Test Report** 

# 2. General Description of Equipment under Test

# 2.1. Applicant and Manufacturer Information

Applicant	Tag-N-Trac Inc.
Applicant address	4250 Executive Sq, #675, La Jolla, California, United States, 92037
Manufacturer	Tag-N-Trac Inc.
Manufacturer address	4250 Executive Sq, #675, La Jolla, California, United States, 92037

### 2.2. General information

EUT Description								
Model	SSL300							
IMEI	868617060225648							
Hardware Version	V1.1	/1.1						
Software Version	IRONHIDE_00_11_LO							
Power Supply	Battery / External power s	upply						
Antenna Type	PCB Antenna							
	Band	Gain (dBi)						
Antenna Gain	LTE-M Band 2:	1.48						
	LTE-M Band 25:	LTE-M Band 25: 1.48						
Test Mode(s)	LTE-M Band 2/25;	LTE-M Band 2/25;						
Test Modulation	QPSK, 16QAM							
LTE Category	M1							
Maximum E.I.R.P	LTE-M Band 2:	25.26 dBm						
Waxiiiiuiii E.I.N.P	LTE-M Band 25:	25.28 dBm						
Rated Power Supply Voltage	3.7V							
Operating Voltage	Minimum: 2.5V Maximu	ım: 4.2V						
Operating Temperature	Lowest: -20°C Highes	t: 60°C						
Testing Temperature	Lowest: -30°C Highes	t: 50°C						
	Band	Tx (MHz)	Rx (MHz)					
Frequency Range(s)	LTE-M Band 2	1850 ~ 1910	1930 ~ 1990					
	LTE-M Band 25	1850 ~ 1915	1930 ~ 1995					
	EUT Accessory							
	Manufacturer: Shenzhen `	Yabo Power Technolo	gy Co., Ltd					
Battery	Mode: LP 218880							
	DC 3.7V, 1600mAh							
Note: The EUT is sent from the	applicant to TA and the info	rmation of the EUT is	declared by the					
applicant.								

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# 3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR 47 Part 24E (2022)

FCC CFR47 Part 2 (2022)

Reference standard:

ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

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### 4. Test Configuration

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (X axis, horizontal polarization) and the worst case was recorded.

All mode and data rates and positions and RB size and modulations were investigated.

Subsequently, only the worst case emissions are reported.

The following testing in LTE-M is set based on the maximum RF Output Power.

Test modes are chosen to be reported as the worst case configuration below for LTE-M Band 2/25:

Test items	Bandwidth (MHz)					Modulation		RB			Test Channel			
rest items	1.4	3	5	10	15	20	QPSK	16QAM	1	50%	100%	L	M	н
RF Power Output and Effective Isotropic Radiated Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radiated Spurious Emission	0	-	0	-	-	0	0	-	0	-	-	-	0	-
Note		. The mark "O" means that this configuration is chosen for testing The mark "-" means that this configuration is not testing.												



#### 5. Test Case

#### 5.1.RF Power Output and Effective Isotropic Radiated Power

#### **Ambient condition**

Temperature	Relative humidity
20°C ~ 25°C	45% ~ 50%

#### **Methods of Measurement**

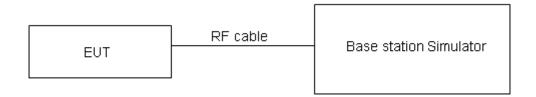
During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

ERP can then be calculated as follows:

EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

EIRP (dBm) = ERP (dBm) + 2.15 (dB.)

#### **Test Setup**



#### Limits

No specific RF power output requirements in part 2.1046.

Rule Part 24.232(c) Mobile and portable stations are limited to 2 watts EIRP.

Rule Part 24.232(e) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

1.5	≤ 2 W (33 dBm)
Limit	≤ 2 W (33 dBm)

#### **Measurement Uncertainty**

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U = 0.4 dB for RF power output, k = 2, U = 1.19 dB for EIRP.

#### **Test Results**

Refer to the section 6.1 of this report for test data.

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#### 5.2. Radiated Spurious Emission

#### **Ambient condition**

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Temperature	Relative humidity
20°C ~ 25°C	45% ~ 50%

#### **Method of Measurement**

- 1. The testing follows FCC KDB 971168 v03r01 Section 5.8 and ANSI C63.26-2015.
- 2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
- 3. A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, and the maximum value of the receiver should be recorded as (Pr).
- 5. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
- 6. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (PcI) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
- 7. The measurement results are obtained as described below:

Power(EIRP)=PMea- PAg - Pcl + Ga

The measurement results are amend as described below:

Power(EIRP)=PMea- Pcl + Ga

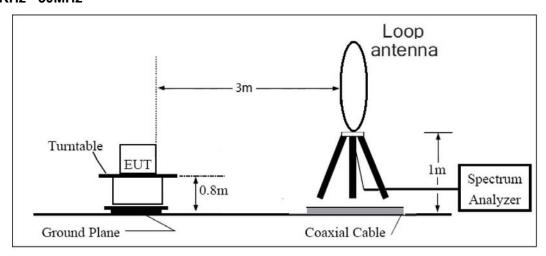
This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP RF Test Report Report No.: R2306A0684-R4

#### = EIRP-2.15dB.

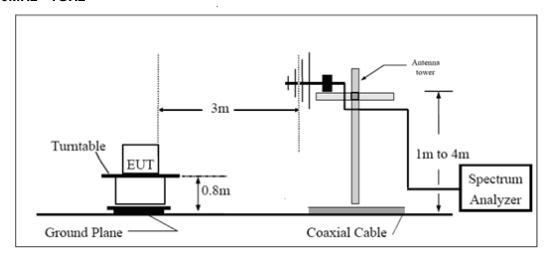
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

#### **Test setup**

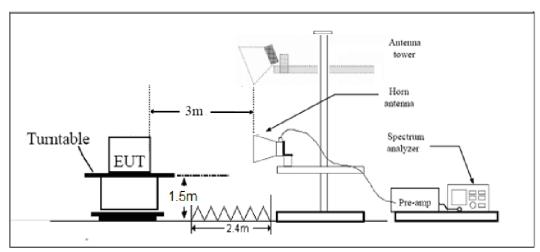
#### 9KHz~30MHz



#### 30MHz~1GHz



#### **Above 1GHz**



Note: Area side: 2.4mX3.6m



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#### Limits

Rule Part 24.238(a) specifies that "on any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10 (P) dB."

Limit	-13 dBm
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#### **Measurement Uncertainty**

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U = 3.55 dB.

#### **Test Results**

Refer to the section 6.2 of this report for test data.

#### Report No.: R2306A0684-R4 **RF Test Report**

### 6. Test Results

# 6.1.RF Power Output and Effective Isotropic Radiated Power

LTE-M	Channel/	Index	RB#	RB#		m Output (dBm)	EIRP (dBm)	
Band 2	Frequency(MHz)	muex	RBstart QPSK	RBstart 16QAM	QPSK	16QAM	QPSK	16QAM
	18607/1850.7	0	1#0	1#0	23.68	22.27	25.16	23.75
	16007/1650.7	0	6#0	5#0	22.24	21.68	23.72	23.16
1.4MHz	18900/1880	0	1#0	1#0	22.91	23.02	24.39	24.50
1.41111112	10900/1000	0	6#0	5#0	21.81	21.74	23.29	23.22
	19193/1909.3	0	1#5	1#5	23.52	22.41	25.00	23.89
	19193/1909.3	0	6#0	5#0	21.93	21.44	23.41	22.92
	18615/1851.5	0	1#0	1#0	23.65	22.77	25.13	24.25
	10015/1051.5	0	6#0	5#0	21.88	21.61	23.36	23.09
3MHz	10000/1000	0	1#0	1#0	23.65	22.73	25.13	24.21
SIVITZ	18900/1880	0	6#0	5#0	21.81	21.60	23.29	23.08
	19185/1908.5	1	1#5	1#5	23.58	22.58	25.06	24.06
	19165/1906.5	0	6#0	5#0	21.75	21.47	23.23	22.95
	1060E/10E0 E	3	1#0	1#0	23.63	23.69	25.11	25.17
	18625/1852.5	0	6#0	5#0	22.94	21.66	24.42	23.14
5N411-	40000/4000	0	1#0	1#0	23.63	23.70	25.11	25.18
5MHz	18900/1880	0	6#0	5#0	22.89	21.63	24.37	23.11
	19175/1907.5	0	1#5	1#5	23.61	23.54	25.09	25.02
		0	6#0	5#0	22.95	21.44	24.43	22.92
	40050/4055	3	1#0	1#0	23.62	23.68	25.10	25.16
	18650/1855	0	4#0	4#0	23.44	22.64	24.92	24.12
40141-	18900/1880	0	1#0	1#0	23.64	23.71	25.12	25.19
10MHz		0	4#0	4#0	23.21	22.71	24.69	24.19
	40450/4005	4	1#5	1#5	23.64	23.59	25.12	25.07
	19150/1905	7	4#2	4#2	23.30	21.66	24.78	23.14
	40075/4057.5	3	1#0	1#0	23.66	23.69	25.14	25.17
	18675/1857.5	0	6#0	5#0	23.45	23.59	24.93	25.07
451411	40000/4000	0	1#0	1#0	23.64	23.68	25.12	25.16
15MHz	18900/1880	0	6#0	5#0	23.43	23.61	24.91	25.09
	40.405/4000.5	8	1#5	1#5	23.68	23.63	25.16	25.11
	19125/1902.5	11	6#0	5#0	23.78	23.47	25.26	24.95
	40700/4000	3	1#0	1#0	23.68	23.70	25.16	25.18
001411	18700/1860	0	6#0	5#0	23.50	23.59	24.98	25.07
20MHz	40000/4000	0	1#0	1#0	23.20	23.03	24.68	24.51
	18900/1880	0	6#0	5#0	23.73	23.12	25.21	24.60
TA Took			2., 0	2.7.0	_ = •	·· <b>-</b>	Dom: 40	l

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19100/1900	12	1#5	1#5	23.62	23.58	25.10	25.06
19100/1900	15	6#0	5#0	23.37	23.54	24.85	25.02

LTE-M	Channel/		RB#	RB#		m Output	EIRP (dBm)		
Band 25	Frequency(MHz)	Index	RBstart QPSK	RBstart 16QAM	QPSK	16QAM	QPSK	16QAM	
1.4MHz	26047/1850.7	0	1#0	1#0	23.50	22.51	24.98	23.99	
	20047/1030.7	0	6#0	5#0	22.15	21.63	23.63	23.11	
	26365/1882.5	0	1#0	1#0	23.55	22.59	25.03	24.07	
	20303/1002.3	0	6#0	5#0	22.18	21.63	23.66	23.11	
	26683/1914.3	0	1#5	1#5	23.58	22.40	25.06	23.88	
	20003/1914.3	0	6#0	5#0	21.99	21.48	23.47	22.96	
	26055/1851.5	0	1#0	1#0	23.67	22.80	25.15	24.28	
	20055/1651.5	0	6#0	5#0	21.88	21.60	23.36	23.08	
OMILI⇒	26265/1002 F	0	1#0	1#0	23.68	22.80	25.16	24.28	
SIVITZ	26365/1882.5	0	6#0	5#0	21.92	21.64	23.40	23.12	
	20075/4042 5	1	1#5	1#5	23.68	22.67	25.16	24.15	
	26675/1913.5	0	6#0	5#0	21.83	21.57	23.31	23.05	
	00005/4050.5	3	1#0	1#0	23.69	23.73	25.17	25.21	
	26065/1852.5	0	6#0	5#0	22.79	21.73	24.27	23.21	
5M11-		0	1#0	1#0	23.72	23.76	25.20	25.24	
5MHZ	26365/1882.5	0	6#0	5#0	22.87	22.05	24.35	23.53	
	00005/4040 5	0	1#5	1#5	23.70	23.62	25.18	25.10	
	26665/1912.5	0	6#0	5#0	22.63	21.53	24.11	23.01	
	00000/4055	3	1#0	1#0	23.68	23.73	25.16	25.21	
	26090/1855	0	4#0	4#0	23.34	22.72	24.82	24.20	
401411	26365/1882.5	0	1#0	1#0	23.74	23.80	25.22	25.28	
10MHz		0	4#0	4#0	23.30	22.93	24.78	24.41	
1.4MHz 3MHz 5MHz 10MHz 20MHz		4	1#5	1#5	23.69	23.64	25.17	25.12	
	26640/1910	7	4#2	4#2	23.33	21.65	24.81	23.13	
	00445/4057.5	3	1#0	1#0	23.74	23.77	25.22	25.25	
	26115/1857.5	0	6#0	5#0	23.48	23.68	24.96	25.16	
451411	00005/4000 5	0	1#0	1#0	23.75	23.02	25.23	24.50	
15MHZ	26365/1882.5	0	6#0	5#0	23.44	23.76	24.92	25.24	
	00045/4007.5	8	1#5	1#5	23.71	23.68	25.19	25.16	
	26615/1907.5	11	6#0	5#0	23.32	23.51	24.80	24.99	
	0044044000	3	1#0	1#0	23.70	23.75	25.18	25.23	
	26140/1860	0	6#0	5#0	23.52	23.70	25.00	25.18	
001411	00005/4000.5	0	1#0	1#0	23.73	23.78	25.21	25.26	
20MHz	26365/1882.5	0	6#0	5#0	23.45	23.77	24.93	25.25	
	00500/4005	12	1#5	1#5	23.65	23.62	25.13	25.10	
	26590/1905	15	6#0	5#0	23.75	23.48	25.23	24.96	

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#### 6.2. Radiated Spurious Emission

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

LTE-M Band 2 1.4MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3758.90	-33.67	2.60	12.50	Horizontal	-23.77	-13.00	10.77	124
3	5638.88	-57.12	3.30	12.50	Horizontal	-47.92	-13.00	34.92	46
4	7520.00	-57.97	4.20	12.20	Horizontal	-49.97	-13.00	36.97	182
5	9400.00	-52.73	4.30	11.10	Horizontal	-45.93	-13.00	32.93	31
6	11280.00	-50.04	5.90	11.90	Horizontal	-44.04	-13.00	31.04	279
7	13160.00	-50.37	5.70	14.00	Horizontal	-42.07	-13.00	29.07	5
8	15040.00	-53.88	5.80	13.10	Horizontal	-46.58	-13.00	33.58	90
9	16920.00	-51.96	6.10	14.60	Horizontal	-43.46	-13.00	30.46	133
10	18800.00	/	1	1	1	/	/	/	1

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

LTE-M Band 2 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.63	-33.81	2.60	12.50	Horizontal	-23.91	-13.00	10.91	304
3	5633.63	-47.84	3.30	12.50	Horizontal	-38.64	-13.00	25.64	18
4	7510.00	-53.87	4.20	12.20	Horizontal	-45.87	-13.00	32.87	224
5	9387.50	-53.09	4.30	11.10	Horizontal	-46.29	-13.00	33.29	133
6	11265.00	-50.16	5.90	11.90	Horizontal	-44.16	-13.00	31.16	270
7	13142.00	-51.07	5.70	14.00	Horizontal	-42.77	-13.00	29.77	96
8	15020.00	-54.37	5.80	13.10	Horizontal	-47.07	-13.00	34.07	56
9	16897.50	-51.21	6.10	14.60	Horizontal	-42.71	-13.00	29.71	133
10	18800.00	/	1	1	1	1	1	/	1

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

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<sup>2.</sup> The worst emission was found in the antenna is Horizontal position.

<sup>2.</sup> The worst emission was found in the antenna is Horizontal position.



#### LTE-M Band 2 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3742.13	-29.03	2.60	12.50	Horizontal	-19.13	-13.00	6.13	0
3	5613.38	-37.79	3.30	12.50	Horizontal	-28.59	-13.00	15.59	115
4	7484.63	-46.93	4.20	12.20	Horizontal	-38.93	-13.00	25.93	24
5	9355.33	-43.60	4.30	11.10	Horizontal	-36.80	-13.00	23.80	117
6	11226.39	-50.58	5.90	11.90	Horizontal	-44.58	-13.00	31.58	135
7	13097.46	-51.32	5.70	14.00	Horizontal	-43.02	-13.00	30.02	253
8	14968.52	-54.07	5.80	13.10	Horizontal	-46.77	-13.00	33.77	45
9	16938.59	-53.03	6.10	14.60	Horizontal	-44.53	-13.00	31.53	142
10	18800.00	/	/	1	1	/	/	/	/

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Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

LTE-M Band 25 1.4MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3765.00	-36.01	2.60	12.50	Horizontal	-26.11	-13.00	13.11	63
3	5647.50	-49.65	3.30	12.50	Horizontal	-40.45	-13.00	27.45	186
4	7530.00	-55.65	4.20	12.20	Horizontal	-47.65	-13.00	34.65	225
5	9412.50	-53.64	4.30	11.10	Horizontal	-46.84	-13.00	33.84	30
6	11295.00	-50.00	5.90	11.90	Horizontal	-44.00	-13.00	31.00	13
7	13177.50	-51.41	5.70	14.00	Horizontal	-43.11	-13.00	30.11	279
8	15060.00	-54.30	5.80	13.10	Horizontal	-47.00	-13.00	34.00	68
9	16942.50	-52.33	6.10	14.60	Horizontal	-43.83	-13.00	30.83	133
10	18825.00	1	1	/	1	1	1	/	1

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

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#### LTE-M Band 25 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3765.00	-33.85	2.60	12.50	Horizontal	-23.95	-13.00	10.95	6
3	5647.50	-49.13	3.30	12.50	Horizontal	-39.93	-13.00	26.93	49
4	7530.00	-55.52	4.20	12.20	Horizontal	-47.52	-13.00	34.52	24
5	9412.50	-52.00	4.30	11.10	Horizontal	-45.20	-13.00	32.20	304
6	11295.00	-48.69	5.90	11.90	Horizontal	-42.69	-13.00	29.69	90
7	13177.50	-51.41	5.70	14.00	Horizontal	-43.11	-13.00	30.11	267
8	15060.00	-54.90	5.80	13.10	Horizontal	-47.60	-13.00	34.60	30
9	16942.50	-52.51	6.10	14.60	Horizontal	-44.01	-13.00	31.01	186
10	18825.00	/	/	1	1	/	/	/	1

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Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

#### LTE-M Band 25 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3748.13	-34.86	2.60	12.50	Horizontal	-24.96	-13.00	11.96	93
3	5622.00	-45.69	3.30	12.50	Horizontal	-36.49	-13.00	23.49	46
4	7496.00	-55.99	4.20	12.20	Horizontal	-47.99	-13.00	34.99	304
5	9370.00	-51.72	4.30	11.10	Horizontal	-44.92	-13.00	31.92	23
6	11244.00	-53.33	5.90	11.90	Horizontal	-47.33	-13.00	34.33	14
7	13118.00	-51.61	5.70	14.00	Horizontal	-43.31	-13.00	30.31	279
8	14992.00	-54.00	5.80	13.10	Horizontal	-46.70	-13.00	33.70	0
9	16866.00	-52.19	6.10	14.60	Horizontal	-43.69	-13.00	30.69	3
10	18740.00	/	1	/	1	1	/	/	/

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

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# 7. Main Test Instruments

Name	Manufacturer	Туре	Serial Number	Calibration Date	Expiration Date
Signal Analyzer	R&S	FSV30	100815	2022-12-10	2023-12-09
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	391	2022-09-29	2025-09-28
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2023-12-16
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Software	R&S	EMC32	10.35.10	1	1



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# **ANNEX A: The EUT Appearance**

The EUT Appearance is submitted separately.

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# **ANNEX B: Test Setup Photos**

The Test Setup Photos is submitted separately.

\*\*\*\*\* END OF REPORT \*\*\*\*\*