

FCC/ISED Test Report

Product Name : LE910C1-SV
Trade Name : 
Model No. : LE910C1-SV
Type : SDoC
IC ID : 5131A-LE910C1SV

Applicant : Telit Wireless Solutions Co., LTD
Address : 13th FL. Shinyoung Securities Bld., 6, Gukjegeumyung-ro8-gil,
Yeongdeungpo-gu, Seoul, 150-884, Korea

Date of Receipt : Sep. 10, 2018
Issued Date : Oct. 18, 2018
Report No. : 1890124R-RFUSP01V00
Report Version : V1.0



The test results relate only to the samples tested.

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Test Report Certification

Issued Date : Oct. 18, 2018

Report No. : 1890124R-RFUSP01V00



Product Name : LE910C1-SV
 Applicant : Telit Wireless Solutions Co., LTD
 Address : 13th FL. Shinyoung Securities Bld., 6,
 Gukjegeumyung-ro8-gil, Yeongdeungpo-gu, Seoul, 150-884,
 Korea
 Manufacturer : Telit Wireless Solutions Co., LTD
 Trade Name :
 Model No. : LE910C1-SV
 Type : SDoC
 IC ID : 5131A-LE910C1SV
 EUT Voltage : DC 3.4V~4.2V
 Testing Voltage : DC 3.8V
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart B: 2017 Class B
 ICES-003 Issue 6: 2016 Class B
 ANSI C63.4: 2014
 Test Lab : Hsin Chu Laboratory
 Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township,
 Hsinchu County 310, Taiwan, R.O.C.
 TEL: +886-3-582-8001 / FAX: +886-3-582-8958
 Test Result : Complied

Documented By :

 (Demi Chang / Senior Engineering Adm. Specialist)

Tested By :

 (Andy Tsai / Senior Engineer)

Approved By :

 (Roy Wang / Director)

Revision History


| Report No. | Version | Description | Issued Date |
|---------------------|---------|-------------------------|---------------|
| 1890124R-RFUSP01V00 | V1.0 | Initial issue of report | Oct. 18, 2018 |
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1. General Information

1.1. EUT Description

| | |
|--------------------|---|
| Product Name | LE910C1-SV |
| Trade Name |  |
| Model No. | LE910C1-SV |
| Tx Frequency Range | LTE Band 4: 1710~1755 LTE Band 13: 777~787 |
| Rx Frequency Range | LTE Band 4: 2110~2115 LTE Band 13: 746~756 |
| Modulation | QPSK /16QAM |
| HW Version | 1.0 |
| SW Version | 25.50.280-A003 |
| IMEI No. | 359698099997379 |

| Antenna Information | |
|---------------------|-----------------------------------|
| Product Name | Hankook Network Solution |
| Model No. | WE14-LF-07 |
| Antenna Type | Dipole Antenna |
| Antenna Gain | Band 4: 3.5 dBi Band 13: 3 dBi |

| Accessories Information | |
|-------------------------|-------|
| Antenna | 3 Pcs |

Note: This LE910C1-SV support LTE Band 4/13.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

| | |
|----|---|
| RX | Mode 1: LTE Band 4 Mode 2: LTE Band 13 |
|----|---|

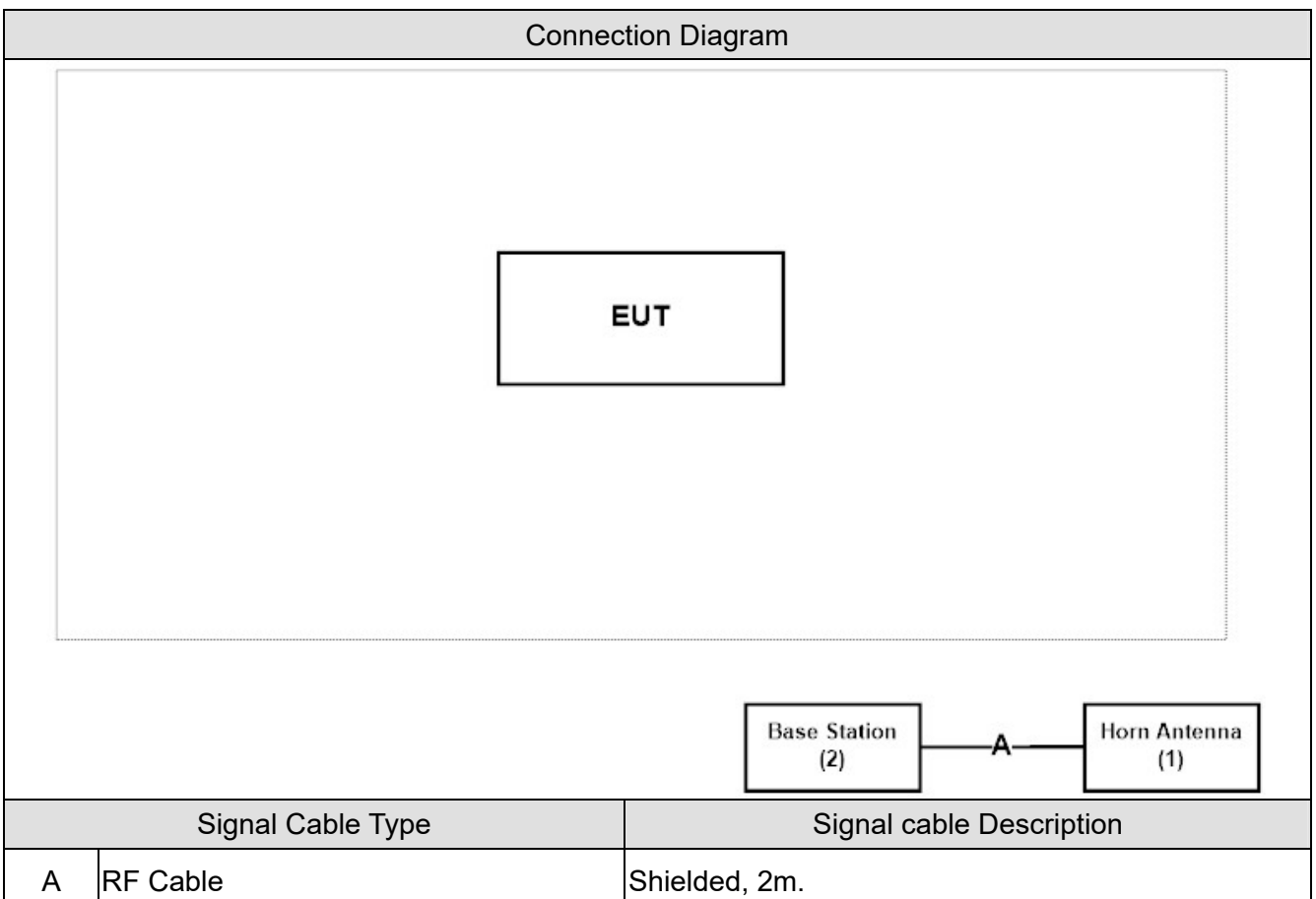
| Test Items | Mode 1 | Mode 2 |
|--------------------------------|--------|--------|
| Conducted Emission | No | No |
| Radiated Emission (Below 1GHz) | Yes | Yes |
| Radiated Emission (Above 1GHz) | Yes | Yes |

1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

| Product | Manufacturer | Model No. | Serial No. | FCC ID | Power Cord |
|------------------|-----------------|-----------|------------|--------|------------|
| 1 Horn Antenna | ELECTRO METRICS | EM-6961 | 103326 | DoC | -- |
| 2 Base Station | R&S | CMW500 | 106071 | DoC | -- |

1.4. Configuration of tested System



1.5. EUT Exercise Software

| | |
|---|---|
| 1 | Setup the EUT and simulators as shown on 1.4. |
| 2 | Turn on the power of all equipment. Horn link with base station. |
| 3 | The EUT link with base station and it will continue receive the signal. |
| 4 | Repeat the above procedure. |

1.6. Test Facility

Ambient conditions in the laboratory:

| Items | Test Item | Required (IEC 68-1) | Actual | Test Site |
|----------------------------|--|------------------------|----------|-----------|
| Temperature (°C) | FCC PART 15B 15.109 Radiated Emission | 15 - 35 | 25 | 2 |
| Humidity (%RH) | | 25 - 75 | 65 | |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 | |

Note: Test Site information refers to Laboratory Information.

Laboratory Information

USA : **FCC Registration Number: TW3024**
Canada : **IC Registration Number: 22397-1 / 22397-2 / 22397-3**

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw/index_en.aspx

If you have any comments, Please don't hesitate to contact us. Our test sites as below:

- No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan (R.O.C.)
TEL: +886-3-592-8858 / FAX: +886-3-592-8859 E-Mail : info.tw@dekra.com
- No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
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- No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com

1.7. List of Test Equipment

Radiated Spurious Emissions / CB4-H

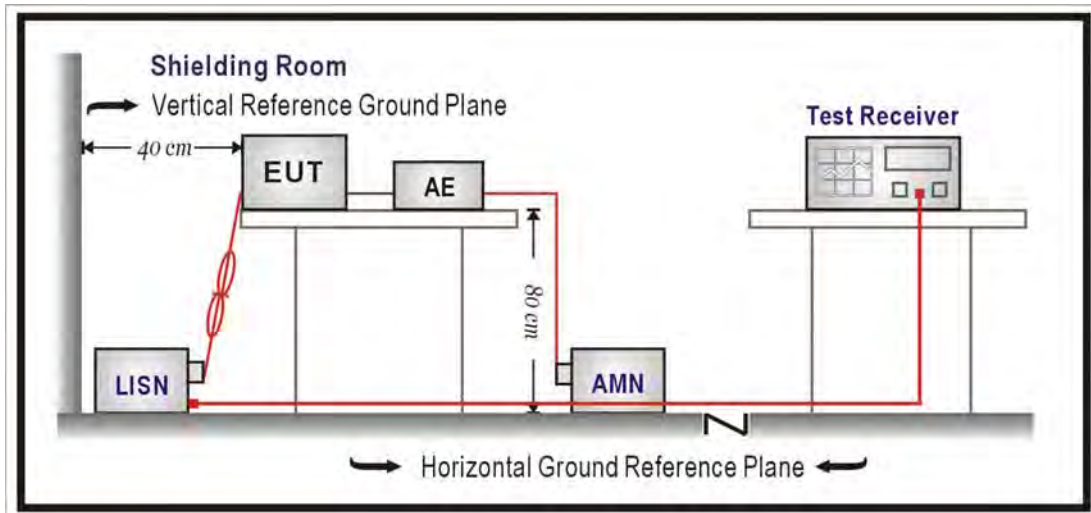
| Instrument | Manufacturer | Model No. | Serial No. | Cal. Date | Next Cal. Date |
|---------------------|--------------|------------|------------|------------|----------------|
| Signal Analyzer | R&S | FSVA40 | 101455 | 2017/11/21 | 2018/11/20 |
| Spectrum Analyzer | R&S | FSV40 | 101049 | 2018/01/10 | 2019/01/09 |
| EXA Signal Analyzer | Keysight | N9010A | MY51440132 | 2018/03/05 | 2019/03/04 |
| Bilog Antenna | Teseq | CBL6112D | 23191 | 2018/06/26 | 2019/06/25 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 639 | 2018/06/01 | 2019/05/31 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 202 | 2018/01/31 | 2019/01/30 |
| Pre-Amplifier | DEKRA. | AP-025C | 201801235 | 2018/03/12 | 2019/03/11 |
| Pre-Amplifier | EMCI | EMCI 1830I | 980366 | 2018/01/08 | 2019/01/07 |
| Pre-Amplifier | Dekra | AP-400C | 201801231 | 2017/12/13 | 2018/12/12 |

1.8. Measurement Uncertainty

| Test Item | Uncertainty |
|-------------------|--|
| Radiated Emission | 30MHz~1GHz as ± 3.43 dB 1GHz~26.5GHz as ± 3.65 dB |

2. Conducted Emission

2.1. Test Setup



2.2. Limits

| FCC Part 15 Subpart B Paragraph 15.107 Limits (dBuV) | | | | |
|--|---------|----|---------|---------|
| Frequency MHz | Class A | | Class B | |
| | QP | AV | QP | AV |
| 0.15 - 0.50 | 79 | 66 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 73 | 60 | 56 | 46 |
| 5.0 - 30 | 73 | 60 | 60 | 50 |

Remarks: In the above table, the tighter limit applies at the band edges.

2.3. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9KHz.

2.4. Test Specification

According to FCC Part 15 Subpart B: 2017

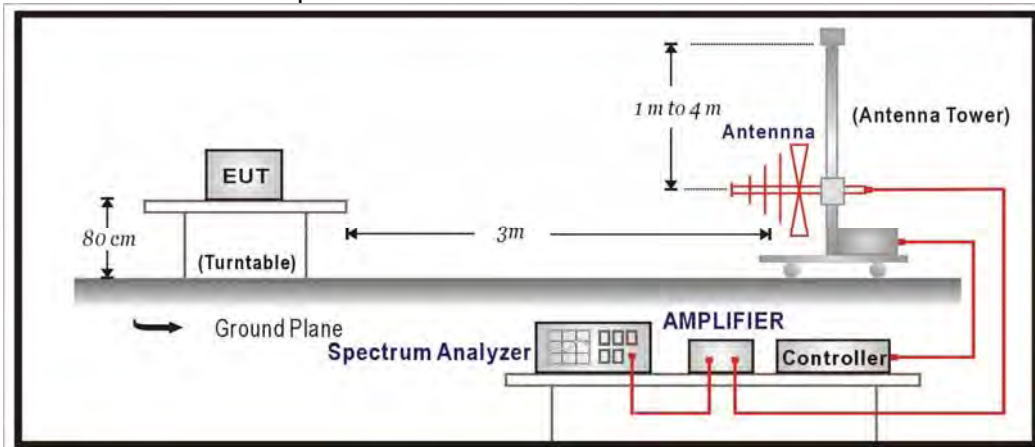
2.5. Test Result

Owing to the DC operation of EUT, this test item is not performed.

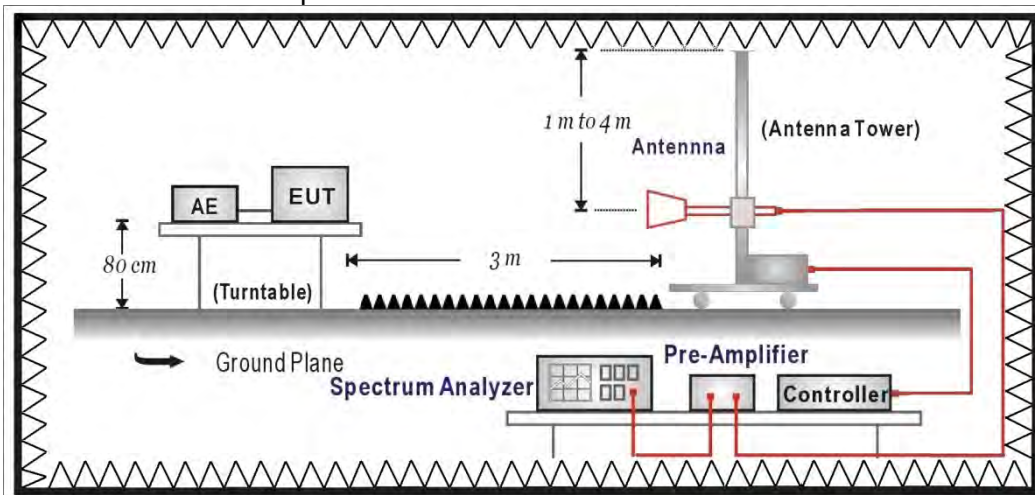
3. Radiated Emission

3.1. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



3.2. Limits

| CISPR 22 Limits (dBuV/m) | | | | |
|--------------------------|-----------------|--------|-----------------|--------|
| Frequency MHz | Class A | | Class B | |
| | Distance (m) | dBuV/m | Distance (m) | dBuV/m |
| 30 – 230 | 10 | 40 | 10 | 30 |
| 230 – 1000 | 10 | 47 | 10 | 37 |

- Remark: 1. The tighter limit shall apply at the edge between two frequency bands.
 2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
 3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

| FCC Part 15 Subpart B Paragraph 15.109 Limits | | | | |
|---|-----------------|--------|-----------------|--------|
| Frequency MHz | Class A | | Class B | |
| | Distance (m) | dBuV/m | Distance (m) | dBuV/m |
| 30 – 88 | 10 | 39 | 3 | 40 |
| 88 – 216 | 10 | 43.5 | 3 | 43.5 |
| 216 – 960 | 10 | 46.4 | 3 | 46 |
| Above 960 | 10 | 49.5 | 3 | 54 |

- Remark: 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Carrier current systems used as unintentional radiators or other unintentional radiators that are designed to conduct their radio frequency emissions via connecting wires or cables and that operate in the frequency range of 9 KHz to 30 MHz, including devices that deliver the radio frequency energy to transducers, such as ultrasonic devices not covered under part 18 of this chapter, shall comply with the radiated emission limits for intentional radiators provided in §15.209 for the frequency range of 9 KHz to 30 MHz. As an alternative, carrier current systems used as unintentional radiators and operating in the frequency range of 525 KHz to 1705 KHz may comply with the radiated emission limits provided in §15.221(a).

3.3. Test Procedure

Under 30MHz Test:

The EUT and its simulators are placed on a turn table which is 1.0 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum electric field strength. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna which is 1.0 meter above ground. All X-axis, Y-axis and Z-axis polarization of the antenna are set on measurement.

The bandwidth below 30MHz setting on the field strength meter is 200Hz and above 30MHz is 9 KHz.

The emission limit shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90KHz, 110-490KHz and above 1000MHz. Radiated emission limit in these three bands are based on measurements employing an average detector.

Above 30MHz Test:

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

For class A, the EUT was positioned such that the distance from antenna to the EUT was 10 meters for under 1GHz and above 1GHz.

For class B, the EUT was positioned such that the distance from antenna to the EUT was 3 or 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz and above 1GHz is 1MHz.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission.

All of the interface cables must be manipulated according to ANSI C63.4 on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz) |
|--|---|
| Below 1.705 | 30 |
| 1.705 – 108 | 1000 |
| 108 – 500 | 2000 |
| 500 – 1000 | 5000 |
| Above 1000 | 5 th harmonic of the highest frequency or 40 GHz, whichever is lower |

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a CISPR quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

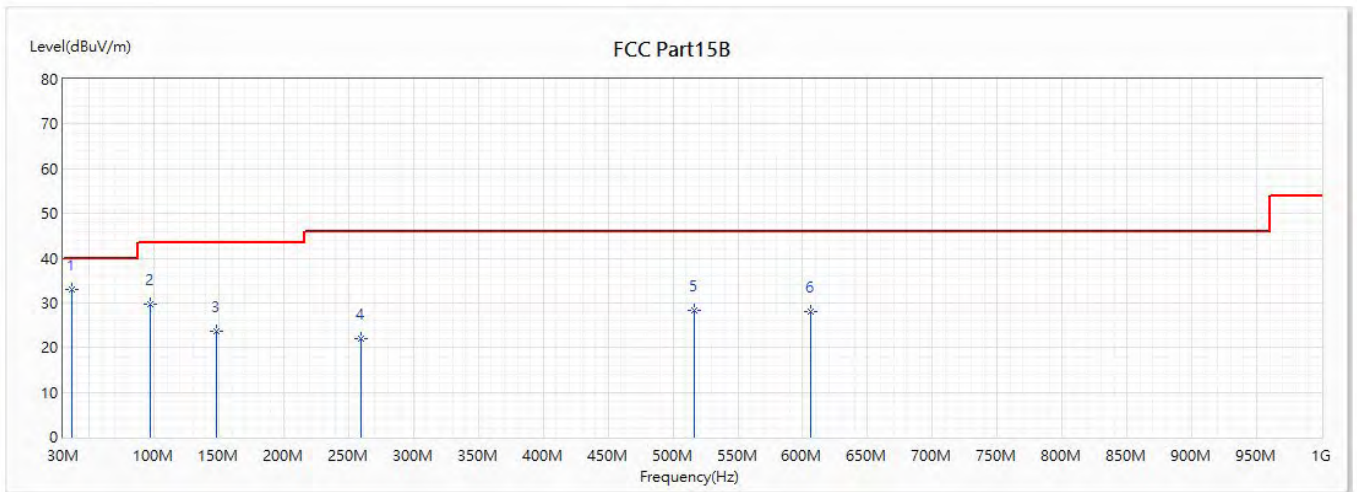
3.4. Test Specification

According to FCC Part 15 Subpart B: 2017

3.5. Test Result

30MHz-1GHz Spurious:

| | | | |
|----------------|--------------------|-------------|------------|
| Site : | CB4-H | Engineer : | Andy Tsai |
| Model No : | LE910C1-SV | Test Date : | 2018/10/12 |
| Test Voltage : | DC 3.8V | Polarity : | Horizontal |
| Test Mode : | Mode 1: LTE Band 4 | | |

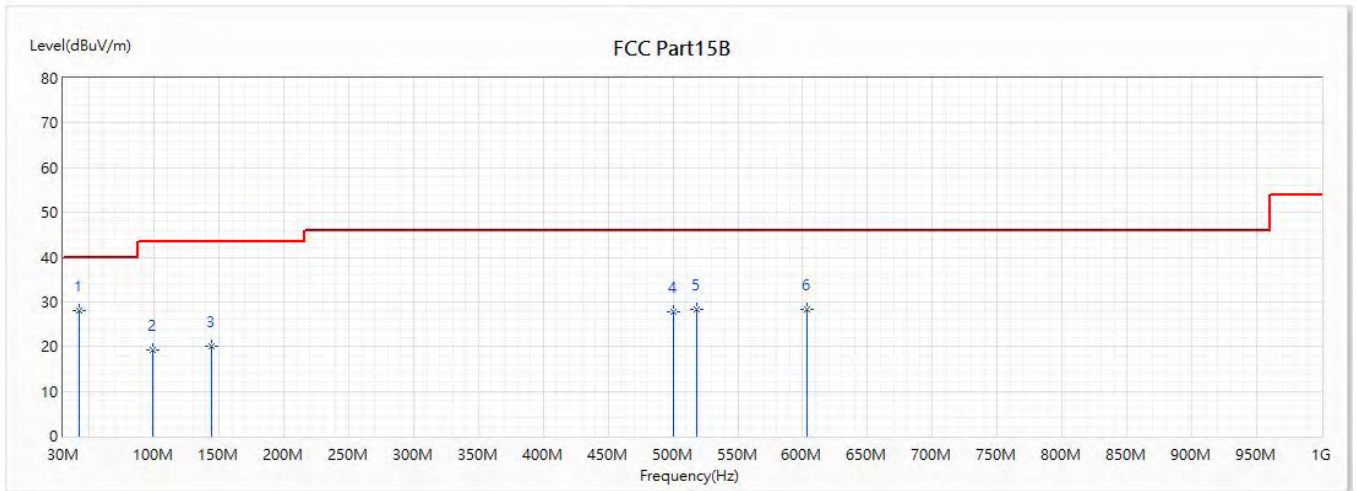


| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|---------------------|---------------|
| * 1 | 36.887 | 32.91 | 40.00 | -7.09 | 48.94 | -16.03 | QP |
| 2 | 97.415 | 29.75 | 43.50 | -13.75 | 52.34 | -22.59 | QP |
| 3 | 148.534 | 23.74 | 43.50 | -19.76 | 45.61 | -21.87 | QP |
| 4 | 259.89 | 21.87 | 46.00 | -24.13 | 42.05 | -20.18 | QP |
| 5 | 516.552 | 28.43 | 46.00 | -17.57 | 42.01 | -13.58 | QP |
| 6 | 606.18 | 28.16 | 46.00 | -17.84 | 39.66 | -11.50 | QP |

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

| | | | |
|----------------|--------------------|-------------|------------|
| Site : | CB4-H | Engineer : | Andy Tsai |
| Model No : | LE910C1-SV | Test Date : | 2018/10/12 |
| Test Voltage : | DC 3.8V | Polarity : | Vertical |
| Test Mode : | Mode 1: LTE Band 4 | | |

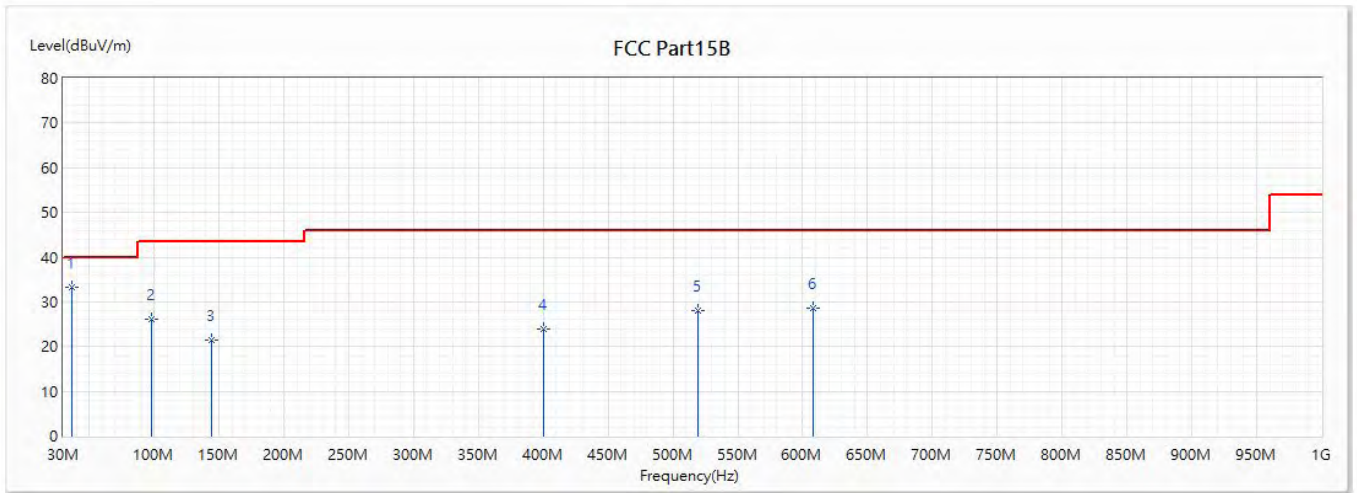


| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|---------------------|---------------|
| * 1 | 42.513 | 27.97 | 40.00 | -12.03 | 45.75 | -17.78 | QP |
| 2 | 99.258 | 19.22 | 43.50 | -24.28 | 41.27 | -22.05 | QP |
| 3 | 143.975 | 20.11 | 43.50 | -23.39 | 41.55 | -21.44 | QP |
| 4 | 499.965 | 27.67 | 46.00 | -18.33 | 42.32 | -14.65 | QP |
| 5 | 518.395 | 28.38 | 46.00 | -17.62 | 41.81 | -13.43 | QP |
| 6 | 603.561 | 28.29 | 46.00 | -17.71 | 39.85 | -11.56 | QP |

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

| | | | |
|----------------|---------------------|-------------|------------|
| Site : | CB4-H | Engineer : | Andy Tsai |
| Model No : | LE910C1-SV | Test Date : | 2018/10/12 |
| Test Voltage : | DC 3.8V | Polarity : | Horizontal |
| Test Mode : | Mode 2: LTE Band 13 | | |

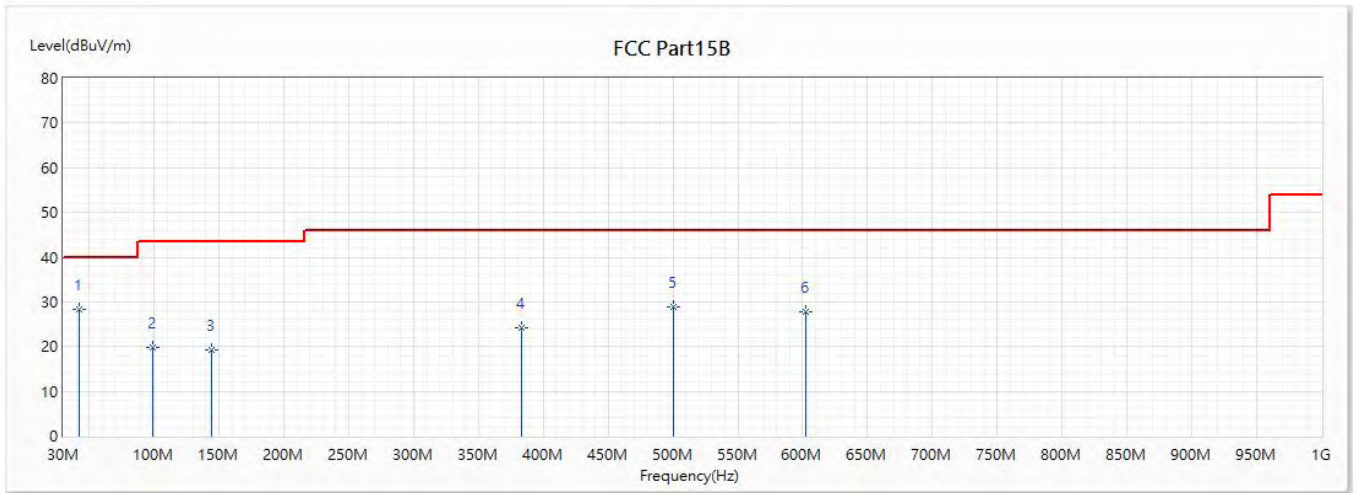


| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|---------------------|---------------|
| * 1 | 36.79 | 33.23 | 40.00 | -6.77 | 49.24 | -16.01 | QP |
| 2 | 98.288 | 26.03 | 43.50 | -17.47 | 48.32 | -22.29 | QP |
| 3 | 143.975 | 21.41 | 43.50 | -22.09 | 42.85 | -21.44 | QP |
| 4 | 400.055 | 23.93 | 46.00 | -22.07 | 40.20 | -16.27 | QP |
| 5 | 519.171 | 28.06 | 46.00 | -17.94 | 41.43 | -13.37 | QP |
| 6 | 607.635 | 28.53 | 46.00 | -17.47 | 40.11 | -11.58 | QP |

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

| | | | |
|----------------|---------------------|-------------|------------|
| Site : | CB4-H | Engineer : | Andy Tsai |
| Model No : | LE910C1-SV | Test Date : | 2018/10/12 |
| Test Voltage : | DC 3.8V | Polarity : | Vertical |
| Test Mode : | Mode 2: LTE Band 13 | | |



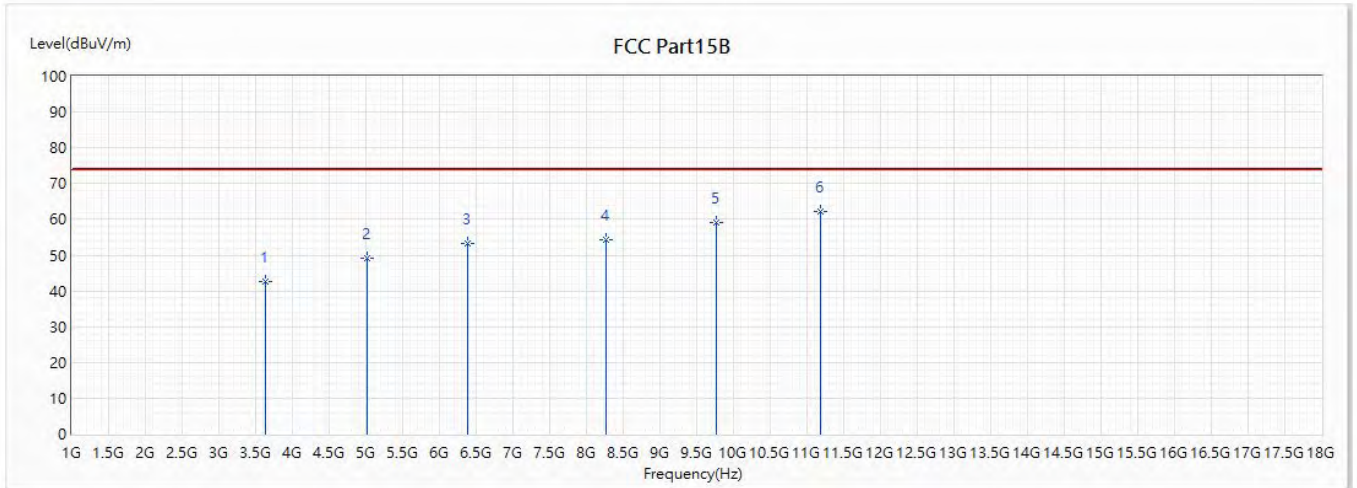
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|---------------------|---------------|
| * 1 | 42.513 | 28.33 | 40.00 | -11.67 | 46.11 | -17.78 | QP |
| 2 | 99.355 | 19.82 | 43.50 | -23.68 | 41.85 | -22.03 | QP |
| 3 | 143.975 | 19.23 | 43.50 | -24.27 | 40.67 | -21.44 | QP |
| 4 | 383.08 | 24.08 | 46.00 | -21.92 | 40.70 | -16.62 | QP |
| 5 | 499.965 | 28.99 | 46.00 | -17.01 | 43.64 | -14.65 | QP |
| 6 | 602.494 | 27.83 | 46.00 | -18.17 | 39.41 | -11.58 | QP |

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Above 1GHz Spurious:

| | | | |
|----------------|--------------------|-------------|------------|
| Site : | CB4-H | Engineer : | Andy Tsai |
| Model No : | LE910C1-SV | Test Date : | 2018/10/12 |
| Test Voltage : | DC 3.8V | Polarity : | Horizontal |
| Test Mode : | Mode 1: LTE Band 4 | | |

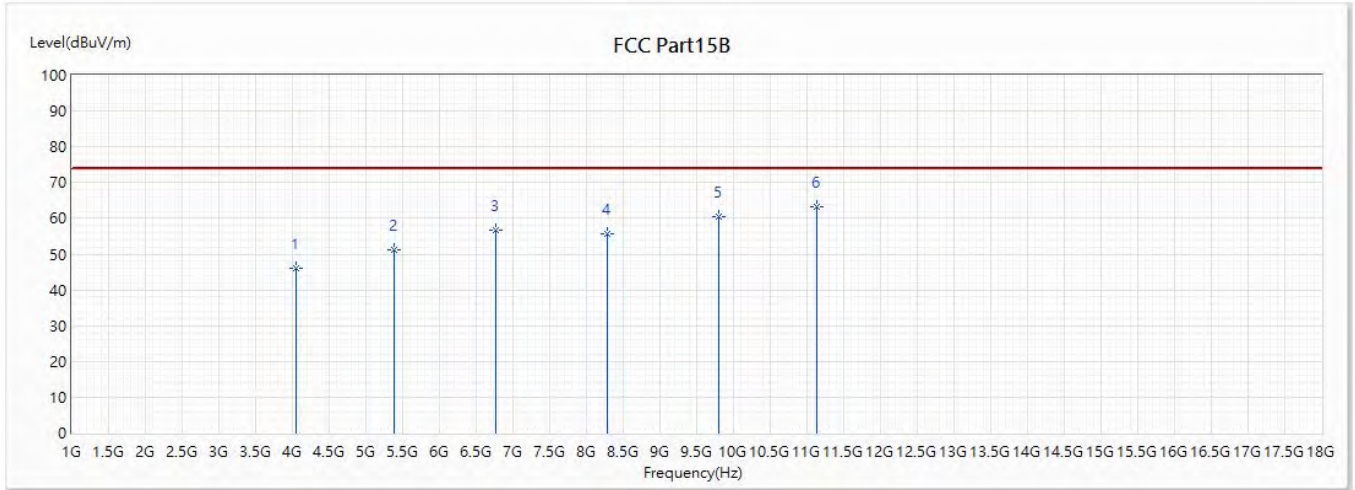


| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|---------------------|---------------|
| 1 | 3628.2 | 42.58 | 74.00 | -31.42 | 30.99 | 11.59 | PK |
| 2 | 5008.6 | 49.11 | 74.00 | -24.89 | 31.82 | 17.29 | PK |
| 3 | 6375.4 | 53.34 | 74.00 | -20.66 | 32.61 | 20.73 | PK |
| 4 | 8269.2 | 54.34 | 74.00 | -19.66 | 30.09 | 24.25 | PK |
| 5 | 9772 | 59.04 | 74.00 | -14.96 | 30.01 | 29.03 | PK |
| * 6 | 11184.7 | 62.21 | 74.00 | -11.79 | 29.72 | 32.49 | PK |

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | | | |
|----------------|--------------------|-------------|------------|
| Site : | CB4-H | Engineer : | Andy Tsai |
| Model No : | LE910C1-SV | Test Date : | 2018/10/13 |
| Test Voltage : | DC 3.8V | Polarity : | Vertical |
| Test Mode : | Mode 1: LTE Band 4 | | |

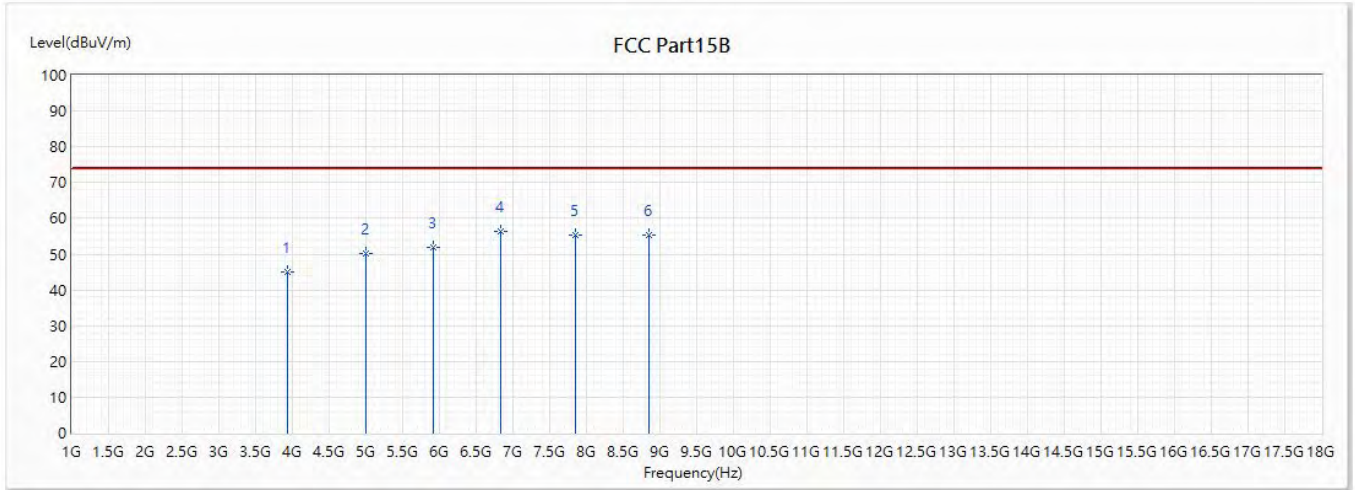


| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|---------------------|---------------|
| 1 | 4043 | 45.99 | 74.00 | -28.01 | 31.96 | 14.03 | PK |
| 2 | 5386 | 51.06 | 74.00 | -22.94 | 33.50 | 17.56 | PK |
| 3 | 6763 | 56.78 | 74.00 | -17.22 | 34.57 | 22.21 | PK |
| 4 | 8289.6 | 55.83 | 74.00 | -18.17 | 31.53 | 24.30 | PK |
| 5 | 9795.8 | 60.62 | 74.00 | -13.38 | 31.52 | 29.10 | PK |
| * 6 | 11125.2 | 63.24 | 74.00 | -10.76 | 30.88 | 32.36 | PK |

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | | | |
|----------------|---------------------|-------------|------------|
| Site : | CB4-H | Engineer : | Andy Tsai |
| Model No : | LE910C1-SV | Test Date : | 2018/10/13 |
| Test Voltage : | DC 3.8V | Polarity : | Horizontal |
| Test Mode : | Mode 2: LTE Band 13 | | |

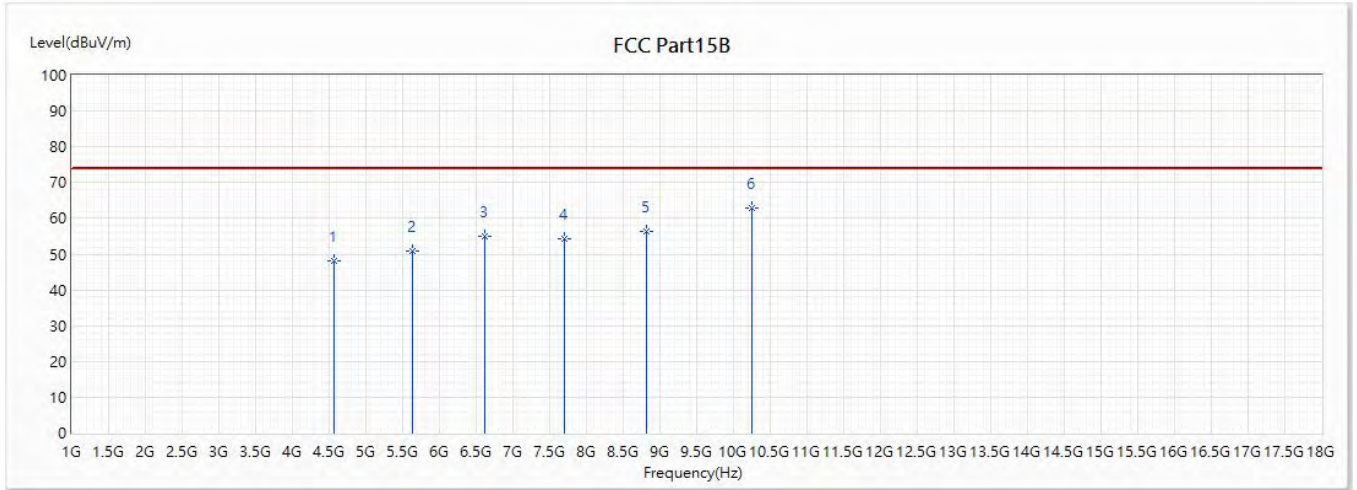


| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|---------------------|---------------|
| 1 | 3932.5 | 44.98 | 74.00 | -29.02 | 31.85 | 13.13 | PK |
| 2 | 5003.5 | 50.13 | 74.00 | -23.87 | 32.83 | 17.30 | PK |
| 3 | 5914.7 | 51.95 | 74.00 | -22.05 | 33.21 | 18.74 | PK |
| * 4 | 6829.3 | 56.30 | 74.00 | -17.70 | 34.05 | 22.25 | PK |
| 5 | 7849.3 | 55.20 | 74.00 | -18.80 | 30.75 | 24.45 | PK |
| 6 | 8842.1 | 55.49 | 74.00 | -18.51 | 29.44 | 26.05 | PK |

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | | | |
|----------------|---------------------|-------------|------------|
| Site : | CB4-H | Engineer : | Andy Tsai |
| Model No : | LE910C1-SV | Test Date : | 2018/10/13 |
| Test Voltage : | DC 3.8V | Polarity : | Vertical |
| Test Mode : | Mode 2: LTE Band 13 | | |



| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|---------------------|---------------|
| 1 | 4566.6 | 47.94 | 74.00 | -26.06 | 32.14 | 15.80 | PK |
| 2 | 5629.1 | 50.88 | 74.00 | -23.12 | 33.13 | 17.75 | PK |
| 3 | 6618.5 | 54.84 | 74.00 | -19.16 | 32.93 | 21.91 | PK |
| 4 | 7696.3 | 54.44 | 74.00 | -19.56 | 29.52 | 24.92 | PK |
| 5 | 8818.3 | 56.35 | 74.00 | -17.65 | 30.18 | 26.17 | PK |
| * 6 | 10248 | 62.97 | 74.00 | -11.03 | 32.72 | 30.25 | PK |

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Attachment 1

➤ **Test Setup Photograph**

<Radiated Emission>

Test Mode : Mode 1: LTE Band 4
Mode 2: LTE Band 13

Description : Front View of Radiated Emission Test Setup (Bi-Log)



Description : Back View of Radiated Emission Test Setup (Bi-Log)

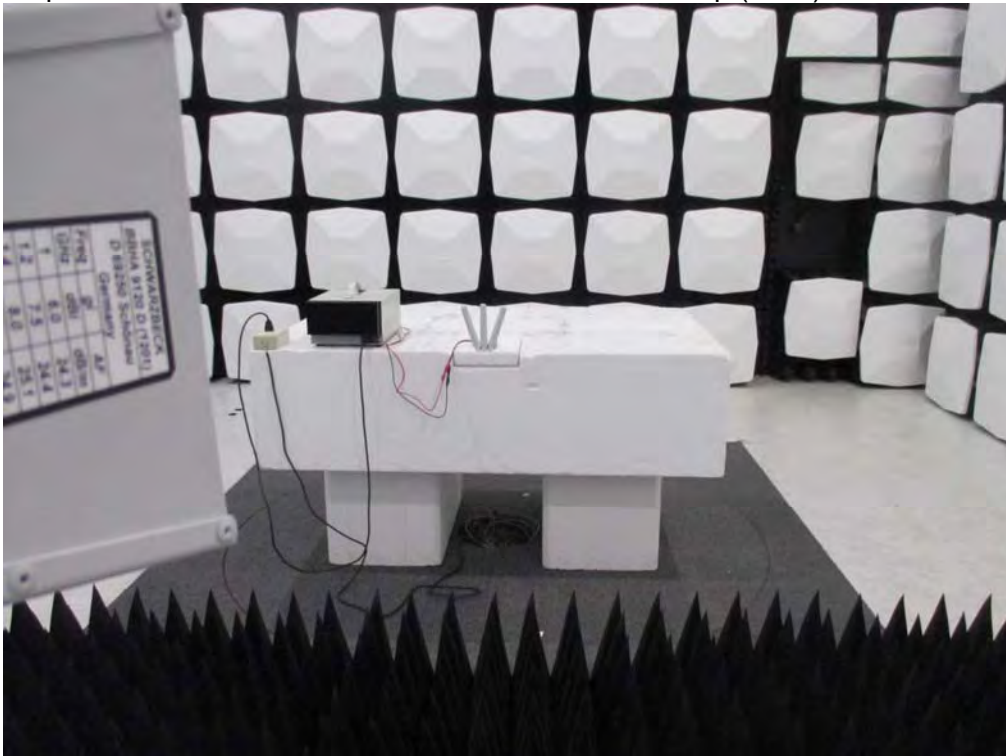


Test Mode : Mode 1: LTE Band 4
Mode 2: LTE Band 13

Description : Front View of Radiated Emission Test Setup (Horn)



Description : Back View of Radiated Emission Test Setup (Horn)



Description : Detailed View of Radiated Emission Test Setup



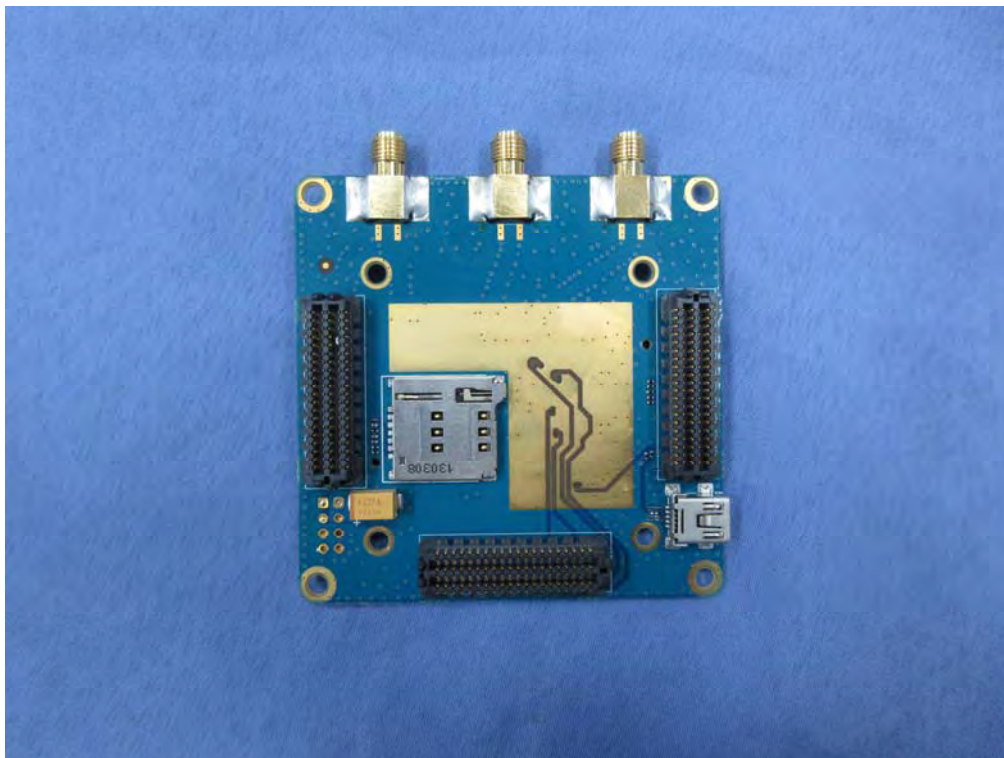
Attachment 2

➤ EUT External Photograph

(1) EUT Photo



(2) EUT Photo



(3) EUT Photo (Antenna)

