

# FCC/ISED Partial Test Report

Product Name : LE910C1-ST  
Trade Name : Telit  
Model No. : LE910C1-ST  
FCC ID : RI7LE910C1ST  
IC ID : 5131A-LE910C1ST

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 : Dec. 04, 2018  
Issued Date : Mar. 05, 2019  
Report No. : 18C0043R-HPUSP35V00  
Report Version : V3.0

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# Test Report Certification

Issued Date : Mar. 05, 2019

Report No. : 18C0043R-HPUSP35V00



Product Name : LE910C1-ST  
 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.  
 Address : 13th FL. Shinyoung Securities Bld., 6, Gukjegeumyung-ro8-gil, Yeongdeungpo-gu, Seoul, 150-884, Korea  
 Trade name :   
 Model No. : LE910C1-ST  
 FCC ID : RI7LE910C1ST  
 IC ID : 5131A-LE910C1ST  
 EUT Voltage : DC 3.8V  
 Testing Voltage : DC 3.8V  
 Applicable Standard : FCC CFR Title 47 Part 24 Subpart E  
 FCC CFR Title 47 Part 27 Subpart L, Subpart F  
 ANSI/TIA-603  
 KDB 971168 D01 Power Meas License Digital Systems v03  
 RSS-GEN Issue5, RSS-130 Issue1,  
 RSS-133 Issue6, RSS-139 Issue3  
 Test Lab : Hsin Chu Laboratory  
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 TEL: +886-3-582-8001 / FAX: +886-3-582-8958  
 Test Result : Complied

Documented By :   
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 ( Lyla Yang / Engineering Adm. Specialist )

Tested By :   
 \_\_\_\_\_  
 ( Clemens Fang / Senior Engineer )

Approved By :   
 \_\_\_\_\_  
 ( Roy Wang / Director )

**Revision History**


Report No.	Version	Description	Issued Date
18C0043R-HPUSP35V00	V1.0	This is a partial report, we only tested the output power and spurious emissions by customer's requirements.	Dec. 19, 2018
18C0043R-HPUSP35V00	V2.0	Add Occupied Bandwidth tested.	Jan. 07, 2019
18C0043R-HPUSP35V00	V3.0	Remove Occupied Bandwidth tested.	Mar. 05, 2019

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## 1. General Information

### 1.1. EUT Description

Product Name	LE910C1-ST
Trade Name	
Model No.	LE910C1-ST
Uplink Frequency Range (MHz)	LTE Band 2: 1850~1910 LTE Band 4: 1710~1755 LTE Band 12: 699~716 LTE Band 66: 1710~1780 LTE Band 71: 663~698
Downlink Frequency Range (MHz)	LTE Band 2: 1930~1990 LTE Band 4: 2110~2115 LTE Band 12: 729~746 LTE Band 66: 2110~2200 LTE Band 71: 617~652
Modulation	QPSK / 16QAM
HW Version	1.0
SW Version	25.20.372-B006

Accessories Information	
Antenna	1 Pcs

Antenna Information	
MFR. / Model	Hankook / WE14-LF-07
Antenna Type	Dipole Antenna
Antenna Gain	Band 2/4/66: 3.5dBi Band 12: 3.0dBi Band 71: 1.5dBi

#### Note:

1. This LE910C1-ST support LTE Band 2/4/12/66/71 function.
2. Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.
3. For ISED, this device doesn't support the LTE band 71.

## 1.2. Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

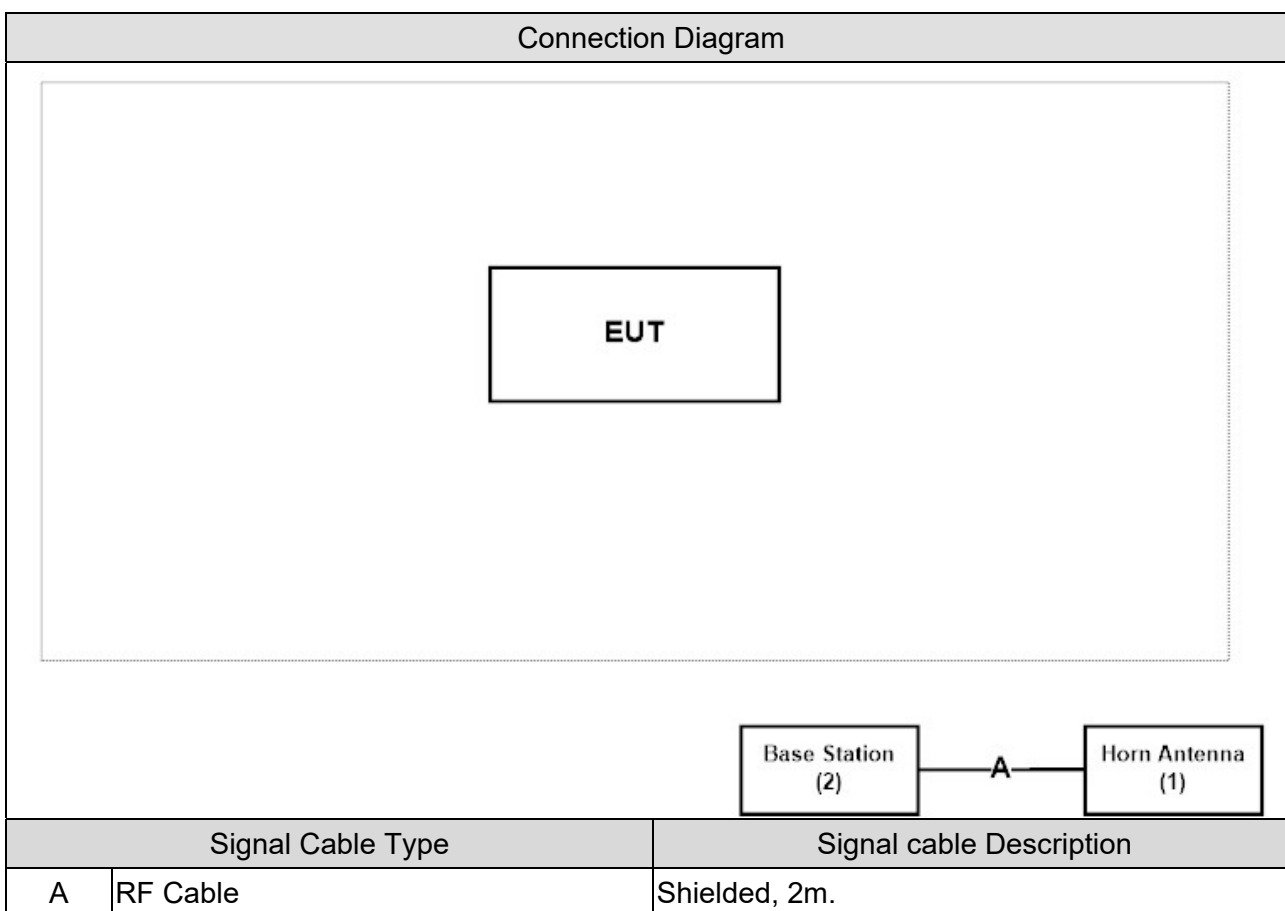
Test Mode
Mode 1: LTE Band 2
Mode 2: LTE Band 4
Mode 3: LTE Band 12
Mode 4: LTE Band 66
Mode 5: LTE Band 71

### 1.3. Tested System Details

The types for all equipment, 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.

## 2. Technical Test

### 2.1. Summary of Test Result

B2

Uplink: 1850-1910MHz

Downlink: 1930-1990MHz

LTE B2					
FCC Part 24 Subpart E					
Industry Canada RSS-133, issue6, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §24.232	<2 Watts	§6.4	<2 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	N/A
Peak-to-average power ratio	§24.232	<13 dB	§6.4	<13 dB	N/A
Spurious Emissions	§2.1053 §24.238	<-13dBm	§6.5	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.238	<-13dBm	§6.5	<-13dBm	N/A
Frequency Stability	§2.1055 §24.235	<±2.5 ppm	§6.3	<±2.5 ppm	N/A



B4

Uplink: 1710-1755MHz

Downlink: 2100-2155MHz

LTE B4					
FCC Part 27 Subpart L					
Industry Canada RSS-139, issue3, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §27.50	<1 Watt	§6.5	<1 Watt	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	N/A
Peak-to-average power ratio	§27.50	<13 dB	§6.5	<13 dB	N/A
Spurious Emissions	§2.1053 §27.53	<-13dBm	§6.6	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.53	<-13dBm	§6.6	<-13dBm	N/A
Frequency Stability	§2.1055 §27.54	<2.5 ppm	§6.4	Within the frequency range	N/A

B12

Uplink: 699-716MHz

Downlink: 729-746MHz

LTE B12					
FCC Part 27 Subpart F					
Industry Canada RSS-130, issue1, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §27.50	<3 Watts ERP	§4.4	<5 Watts E.I.R.P for portable equipment or for indoor fixed subscriber equipment	Pass
Occupied Bandwidth	§2.1049	N/A	§4.2	N/A	N/A
Peak-to-average power ratio	§27.50	<13 dB	§4.4	<13 dB	N/A
Spurious Emissions	§2.1053 §27.53	<-13dBm	§4.6	<-13dBm The e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.	Pass
Spurious Emissions at Antenna Terminals	§27.53	<-13dBm	§4.6	<-13dBm	N/A
Frequency Stability	§2.1055 §27.54	<±2.5 ppm	§4.3	Within the frequency range	N/A

B66

Uplink: 1710~1780MHz

Downlink: 2110~2200MHz

LTE B66					
FCC Part 27 Subpart L					
Industry Canada RSS-139, issue3, Industry Canada RSS-GEN					
Test item	FCC Reference section	FCC Limit	IC Reference section	IC Limit	Result
RF Output Power	§2.1033 §2.1046 §27.50	<1 Watts	§6.5	<1 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	RSS-GEN §4.2	N/A	N/A
Peak-to-average power ratio	§27.50	<13 dB	§6.5	<13 dB	N/A
Spurious Emissions	§2.1053 §27.53	<-13dBm	§6.6	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.53	<-13dBm	§6.6	<-13dBm	N/A
Frequency Stability	§2.1055 §27.54	<2.5 ppm	§6.4	Within the frequency range	N/A

B71

Uplink: 663~698MHz

Downlink: 617~652MHz

LTE B71			
FCC Part 27 Subpart F			
Test item	FCC Reference section	FCC Limit	Result
RF Output Power	§2.1033 §2.1046 §27.50	<3 Watts	Pass
Occupied Bandwidth	§2.1049	N/A	N/A
Peak-to-average power ratio	§27.50	<13 dB	N/A
Spurious Emissions	§2.1053 §27.53	<-13dBm	Pass
Spurious Emissions at Antenna Terminals	§27.53	<-13dBm	N/A
Frequency Stability	§2.1055 §27.54	<2.5 ppm	N/A

## 2.2. Test Environment

Items	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	15-35	23	2 & 3
Humidity (%RH)	25-75	52	
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](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:

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### 2.3. List of Test Equipment

#### RF Output Power / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/05	2019/03/04
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9010B	MY57110159	2018/05/25	2019/05/24
Wireless Conn. Tseter	R&S	CMW500	157118	2018/08/16	2019/08/15
Wideband Radio Communication Tester	R&S	CMW500	106071	2018/01/29	2019/01/28

#### Conducted Spurious Emissions / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/05	2019/03/04
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9010B	MY57110159	2018/05/25	2019/05/24
Wireless Conn. Tseter	R&S	CMW500	157118	2018/08/16	2019/08/15
Wideband Radio Communication Tester	R&S	CMW500	106071	2018/01/29	2019/01/28

#### Radiated Spurious Emissions / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2018/06/01	2019/05/31
Bilog Antenna	Teseq	CBL6112D	23191	2018/06/26	2019/06/25
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/05	2019/03/04
Signal Analyzer	R&S	FSVA40	101455	2018/11/05	2019/11/04
Horn Antenna	Schwarzbeck	BBHA 9170	202	2018/01/31	2019/01/30
Pre-Amplifier	Dekra	AP-400C	201801231	2018/12/05	2019/12/04
Pre-Amplifier	EMCI	EMC11830I	980366	2018/01/08	2019/01/07
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2018/10/17	2019/10/16
Pre-Amplifier	Dekra	AP-025C	201801236	2018/02/26	2019/02/25
Signal Analyzer	R&S	FSV40	101435	2018/07/19	2019/07/18
Wideband Radio Communication Tester	R&S	CMW500	106071	2018/01/29	2019/01/28
Wireless Conn. Tseter	R&S	CMW500	157118	2018/08/16	2019/08/15
Coaxial Cable	Huber+Suhner	SF104_SF104_SF104_SF104(16.0m)	CB2-H	2018/08/21	2019/08/20

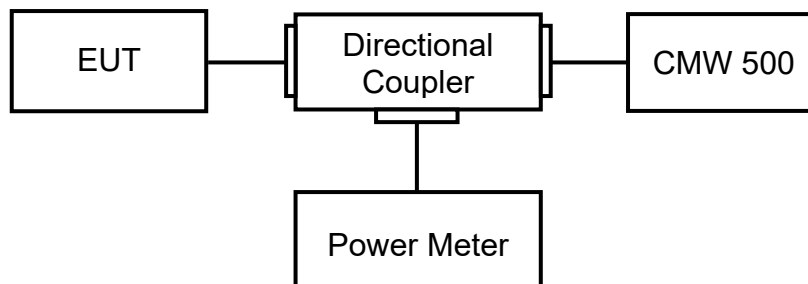
Note: All equipment upon which need to calibrated are with calibration period of 1 year.

## 2.4. Uncertainty

Test Item	Uncertainty
RF Output Power	$\pm 1.27\text{dB}$ .
Spurious Emissions	$\pm 1.27\text{ dB}$ for Conducted Measurement. $\pm 3.2\text{ dB}$ for Radiated Measurement.

### 3. RF Output Power

#### 3.1. Test Setup



#### 3.2. Test Procedure

- The RF output of the transmitter was connected to base station simulator.
- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement..
- Set EUT at maximum average power by base station simulator.
- Measure lowest, middle, and highest channels for each bandwidth and different modulation.

Effective Isotropic Radiated Power = Conducted Power(dBm) + Antenna Gain(dBi)

Effective Radiated Power = Conducted Power(dBm) + Antenna Gain(dBi) - 2.15dB

#### 3.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause5.2.4

ANSI C63.26: 2015 Sub-clause 5.2.4.2



### 3.4. Test Result

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/12/12	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 2 / 1.4MHz	CH 18607 1850.7MHz	QPSK	1	0	0	24.52	0.634	2	
				2		24.43			
				5		24.36			
			3	0	0	24.41	0.618	2	
				1		24.42			
				3		24.37			
			6	0	1	23.34	0.483	2	
			16-QAM	1	0	1	23.66	0.520	2
							2		
		5					23.55		
		3			0	1	23.58	0.511	2
					1		23.56		
					3		23.55		
		6	0	2	22.52	0.400	2		
		Band 2 / 1.4MHz	CH 18900 1880MHz	QPSK	1	0	0	24.91	0.693
2	24.85								
5	24.81								
3	0				0	24.82	0.679	2	
	1					24.80			
	3					24.78			
6	0				1	23.75	0.531	2	
16-QAM	1				0	1	24.04	0.568	2
							2		
				5			23.98		
				3	0	1	23.96	0.557	2
					1		23.95		
					3		23.92		
6	0			2	22.94	0.441	2		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 / 1.4MHz	CH 19193 1909.3MHz	QPSK	1	0	0	24.24	0.594	2
				2		24.20	0.589	2
				5		24.18	0.586	2
			3	0	0	24.16	0.583	2
				1		24.17	0.585	2
				3		24.13	0.579	2
		6	0	1	23.04	0.451	2	
		16-QAM	1	1	0	23.02	0.449	2
					2	23.00	0.447	2
					5	22.98	0.445	2
			3	1	0	22.95	0.442	2
					1	22.97	0.444	2
					3	22.92	0.439	2
			6	0	2	21.99	0.354	2

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/12/12	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 2 / 3MHz	CH 18615 1851.5MHz	QPSK	1	0	0	24.51	0.632	2	
				7		24.43	0.621	2	
				14		24.41	0.618	2	
			8	0	1	23.35	0.484	2	
				4		23.33	0.482	2	
				7		23.38	0.488	2	
			15	0	1	23.44	0.494	2	
			16-QAM	1	1	0	23.65	0.519	2
						7	23.61	0.514	2
		14				23.57	0.509	2	
		8		2	0	22.44	0.393	2	
					4	22.49	0.397	2	
					7	22.51	0.399	2	
		15	0	2	22.40	0.389	2		
		Band 2 / 3MHz	CH 18900 1880MHz	QPSK	1	0	0	24.66	0.655
7	24.61					0.647		2	
14	24.58					0.643		2	
8	0				1	23.58	0.511	2	
	4					23.55	0.507	2	
	7					23.53	0.505	2	
15	0				1	23.60	0.513	2	
16-QAM	1				1	0	23.41	0.491	2
						7	23.40	0.490	2
				14		23.35	0.484	2	
	8			2	0	22.22	0.373	2	
					4	22.26	0.377	2	
					7	22.24	0.375	2	
15	0			2	22.19	0.371	2		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 2 / 3MHz	CH 19185 1908.5MHz	QPSK	1	0	0	24.54	0.637	2	
				7		24.46	0.625	2	
				14		24.42	0.619	2	
			8	0	1	23.39	0.489	2	
				4		23.35	0.484	2	
				7		23.40	0.490	2	
			15	0	1	23.42	0.492	2	
			16-QAM	1	1	0	23.68	0.522	2
						7	23.64	0.518	2
		14				23.63	0.516	2	
		8		2	0	22.49	0.397	2	
					4	22.50	0.398	2	
					7	22.46	0.394	2	
		15	0	2	22.42	0.391	2		

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/12/12	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 / 5MHz	CH 18625 1852.5MHz	QPSK	1	0	0	24.42	0.619	2
				12		24.36	0.611	2
				24		24.30	0.603	2
			12	0	1	23.50	0.501	2
				6		23.53	0.505	2
				13		23.47	0.498	2
		25	0	23.52	0.504	2		
		16-QAM	1	1	0	23.18	0.466	2
					12	23.12	0.459	2
					24	23.07	0.454	2
			12	2	0	22.45	0.394	2
					6	22.37	0.386	2
					13	22.43	0.392	2
		25	0	22.64	0.411	2		
		Band 2 / 5MHz	CH 18900 1880MHz	QPSK	1	0	0	24.34
12	24.30					0.603		2
24	24.28					0.600		2
12	0				1	23.44	0.494	2
	6					23.41	0.491	2
	13					23.40	0.490	2
25	0			23.41	0.491	2		
16-QAM	1			1	0	23.45	0.495	2
					12	23.40	0.490	2
					24	23.41	0.491	2
	12			2	0	22.66	0.413	2
					6	22.63	0.410	2
					13	22.67	0.414	2
25	0			22.70	0.417	2		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 2 / 5MHz	CH 19175 1907.5MHz	QPSK	1	0	0	24.32	0.605	2	
				12		24.25	0.596	2	
				24		24.26	0.597	2	
			12	0	1	23.40	0.490	2	
				6		23.34	0.483	2	
				13		23.38	0.488	2	
			25	0	23.41	0.491	2		
			16-QAM	1	1	0	23.14	0.461	2
						12	23.10	0.457	2
		24				23.08	0.455	2	
		12		2	0	22.59	0.406	2	
					6	22.55	0.403	2	
					13	22.56	0.404	2	
		25	0	22.60	0.407	2			

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/12/12	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP		
Band 2 / 10MHz	CH 18650 1855MHz	QPSK	1	0	0	24.57	0.641	2		
				24		24.52	0.634	2		
				49		24.50	0.631	2		
			25	0	1	23.47	0.498	2		
				12		23.50	0.501	2		
				25		23.46	0.497	2		
		50	0		23.54	0.506	2			
		16-QAM	1	1	0	1	23.82	0.540	2	
					24		23.74	0.530	2	
					49		23.71	0.526	2	
			27	2	0	2	22.82	0.429	2	
					12		22.81	0.428	2	
					23		22.74	0.421	2	
		Band 2 / 10MHz	CH 18900 1880MHz	QPSK	1	0	0	24.81	0.678	2
						24		24.76	0.670	2
49	24.74					0.667		2		
25	0				1	23.82	0.540	2		
	12					23.82	0.540	2		
	25					23.72	0.527	2		
50	0				23.66	0.520	2			
16-QAM	1			1	0	1	23.40	0.490	2	
					24		23.37	0.486	2	
					49		23.36	0.485	2	
	27			2	0	2	22.86	0.433	2	
					12		22.83	0.430	2	
					23		22.73	0.420	2	

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 2 / 10MHz	CH 19150 1905MHz	QPSK	1	0	0	24.73	0.665	2	
				24		24.55	0.638	2	
				49		24.51	0.632	2	
			25	0	1	23.34	0.483	2	
				12		23.30	0.479	2	
				25		23.31	0.480	2	
			50	0		23.55	0.507	2	
			16-QAM	1	1	0	23.78	0.535	2
						24	23.72	0.527	2
		49				23.70	0.525	2	
		27		2	0	22.74	0.421	2	
					12	22.72	0.419	2	
					23	22.56	0.404	2	



Product	LE910C1-ST		
Test Item	RF Output Power		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP			
Band 2 / 15MHz	CH 18675 1857.5MHz	QPSK	1	0	0	24.54	0.637	2			
				37		24.46	0.625	2			
				74		24.48	0.628	2			
			36	1	0	23.42	0.492	2			
					19	23.37	0.486	2			
					39	23.38	0.488	2			
					75	23.40	0.490	2			
					16-QAM	1	1	0	23.52	0.504	2
								37	23.49	0.500	2
		74	23.47	0.498				2			
		27	2	0	22.67	0.414	2				
				24	22.65	0.412	2				
				48	22.60	0.407	2				
		Band 2 / 15MHz	CH 18900 1880MHz	QPSK	1	0	0	24.69	0.659	2	
						37		24.66	0.655	2	
74	24.60					0.646		2			
36	1				0	23.76	0.532	2			
					19	23.72	0.527	2			
					39	23.66	0.520	2			
					75	23.64	0.518	2			
					16-QAM	1	1	0	23.63	0.516	2
								37	23.54	0.506	2
74	23.49			0.500				2			
27	2			0	22.89	0.436	2				
				24	22.80	0.427	2				
				48	22.70	0.417	2				

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 2 / 15MHz	CH 19125 1902.5MHz	QPSK	1	0	0	24.51	0.632	2	
				37		24.48	0.628	2	
				74		24.38	0.614	2	
			36	0	1	23.66	0.520	2	
				19		23.61	0.514	2	
				39		23.56	0.508	2	
			75	0	23.57	0.509	2		
			16-QAM	1	1	0	23.36	0.485	2
						37	23.33	0.482	2
		74				23.28	0.476	2	
		27		2	0	22.73	0.420	2	
					24	22.67	0.414	2	
					48	22.55	0.403	2	

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 1: LTE Band 2		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 2 / 20MHz	CH 18700 1860MHz	QPSK	1	0	0	24.52	0.634	2
				49		24.46	0.625	2
				99		24.20	0.589	2
			50	0	1	23.54	0.506	2
				25		23.46	0.497	2
				50		23.53	0.505	2
		100	0	23.53	0.505	2		
		16-QAM	1	0	1	22.83	0.430	2
				49		22.80	0.427	2
				99		22.64	0.411	2
			27	0	2	22.73	0.420	2
				36		22.60	0.407	2
73	22.71			0.418		2		
Band 2 / 20MHz	CH 18900 1880MHz	QPSK	1	0	0	24.76	0.670	2
				49		24.71	0.662	2
				99		24.66	0.655	2
			50	0	1	23.82	0.540	2
				25		23.75	0.531	2
				50		23.78	0.535	2
		100	0	23.68	0.522	2		
		16-QAM	1	0	1	23.31	0.480	2
				49		23.06	0.453	2
				99		22.77	0.424	2
			27	0	2	22.81	0.428	2
				36		23.02	0.449	2
73	22.79			0.426		2		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 2 / 20MHz	CH 19100 1900MHz	QPSK	1	0	0	24.42	0.619	2	
				49		24.31	0.604	2	
				99		24.07	0.571	2	
			50	0	1	23.78	0.535	2	
				25		23.67	0.521	2	
				50		23.50	0.501	2	
			100	0		23.69	0.524	2	
			16-QAM	1	1	0	23.62	0.515	2
						49	23.20	0.468	2
		99				22.95	0.442	2	
		27		2	0	22.58	0.406	2	
					36	22.89	0.436	2	
					73	22.43	0.392	2	

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 2: LTE Band 4		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 4 / 1.4MHz	CH 19957 1710.7MHz	QPSK	1	0	0	23.22	0.470	1
				2		23.16	0.463	1
				5		23.08	0.455	1
			3	0	0	23.12	0.459	1
				1		23.09	0.456	1
				3		23.05	0.452	1
		6	0	1	22.33	0.383	1	
		16-QAM	1	1	0	21.99	0.354	1
					2	22.17	0.369	1
					5	22.09	0.362	1
			3	1	0	22.36	0.385	1
					1	22.27	0.378	1
					3	22.17	0.369	1
		6	0	2	21.26	0.299	1	
		Band 4 / 1.4MHz	CH 20175 1732.5MHz	QPSK	1	0	0	23.56
2	23.32					0.481		1
5	23.16					0.463		1
3	0				0	23.43	0.493	1
	1					23.39	0.489	1
	3					23.27	0.475	1
6	0			1	22.22	0.373	1	
16-QAM	1			1	0	22.48	0.396	1
					2	22.15	0.367	1
					5	21.90	0.347	1
	3			1	0	22.27	0.378	1
					1	22.26	0.377	1
					3	22.27	0.378	1
6	0			2	21.48	0.315	1	

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 4 / 1.4MHz	CH 20393 1754.3MHz	QPSK	1	0	0	23.61	0.514	1
				2		23.45	0.495	1
				5		23.39	0.489	1
			3	0	0	23.48	0.499	1
				1		23.51	0.502	1
				3		23.41	0.491	1
		6	0	1	22.55	0.403	1	
		16-QAM	1	1	0	22.91	0.438	1
					2	22.79	0.426	1
					5	22.29	0.379	1
			3	1	0	22.12	0.365	1
					1	22.15	0.367	1
					3	22.13	0.366	1
			6	0	2	21.30	0.302	1

Product	LE910C1-ST		
Test Item	RF Output Power		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 4 / 3MHz	CH 19965 1711.5MHz	QPSK	1	0	0	23.63	0.516	1
				7		23.45	0.495	1
				14		23.21	0.469	1
			8	0	1	22.26	0.377	1
				4		22.32	0.382	1
				7		22.42	0.391	1
		15	0	22.30	0.380	1		
		16-QAM	1	1	0	22.33	0.383	1
					7	22.23	0.374	1
					14	22.02	0.356	1
			8	2	0	21.13	0.290	1
					4	21.09	0.288	1
					7	21.04	0.284	1
		15	0	21.06	0.286	1		
		Band 4 / 3MHz	CH 20175 1732.5MHz	QPSK	1	0	0	23.66
7	23.42					0.492		1
14	23.40					0.490		1
8	1				0	22.26	0.377	1
					4	22.19	0.371	1
					7	22.31	0.381	1
15	0			22.27	0.378	1		
16-QAM	1			1	0	22.92	0.439	1
					7	22.70	0.417	1
					14	22.59	0.406	1
	8			2	0	21.66	0.328	1
					4	21.43	0.311	1
					7	21.39	0.308	1
15	0			21.35	0.306	1		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 4 / 3MHz	CH 20385 1753.5MHz	QPSK	1	0	0	23.68	0.522	1
				7		23.52	0.504	1
				14		23.48	0.499	1
			8	0	1	22.46	0.394	1
				4		22.44	0.393	1
				7		22.53	0.401	1
		15	0	22.57	0.405	1		
		16-QAM	1	1	0	22.98	0.445	1
					7	22.91	0.438	1
					14	22.88	0.435	1
			8	2	0	21.67	0.329	1
					4	21.59	0.323	1
					7	21.50	0.316	1
			15	0	21.45	0.313	1	



Product	LE910C1-ST		
Test Item	RF Output Power		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP		
Band 4 / 5MHz	CH 19975 1712.5MHz	QPSK	1	0	0	23.17	0.465	1		
				12		23.05	0.452	1		
				24		22.98	0.445	1		
			12	0	1	22.24	0.375	1		
				6		22.22	0.373	1		
				13		22.17	0.369	1		
		25	0	22.17	0.369	1				
		16-QAM	1	0	1	22.59	0.406	1		
				12		22.37	0.386	1		
				24		21.94	0.350	1		
			12	0	2	21.33	0.304	1		
				6		21.26	0.299	1		
				13		21.19	0.294	1		
		25	0	21.28	0.301	1				
		Band 4 / 5MHz	CH 20175 1732.5MHz	QPSK	1	0	0	23.68	0.522	1
						12		23.32	0.481	1
						24		23.06	0.453	1
					12	0	1	22.35	0.385	1
6	22.19					0.371		1		
13	22.25					0.376		1		
25	0			22.16	0.368	1				
16-QAM	1			0	1	22.67	0.414	1		
				12		22.43	0.392	1		
				24		22.08	0.361	1		
	12			0	2	21.40	0.309	1		
				6		21.32	0.303	1		
				13		21.22	0.296	1		
25	0			21.25	0.299	1				

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 4 / 5MHz	CH 20375 1752.5MHz	QPSK	1	0	0	23.61	0.514	1
				12		23.53	0.505	1
				24		23.40	0.490	1
			12	0	1	22.64	0.411	1
				6		22.60	0.407	1
				13		22.54	0.402	1
		25	0		22.60	0.407	1	
		16-QAM	1	1	0	22.35	0.385	1
					12	22.26	0.377	1
					24	22.12	0.365	1
			12	2	0	21.64	0.327	1
					6	21.49	0.316	1
					13	21.41	0.310	1
			25	0		21.57	0.321	1

Product	LE910C1-ST		
Test Item	RF Output Power		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP		
Band 4 / 10MHz	CH 20000 1715MHz	QPSK	1	0	0	23.67	0.521	1		
				24		23.42	0.492	1		
				49		23.15	0.462	1		
			25	0	1	22.30	0.380	1		
				12		22.24	0.375	1		
				25		22.21	0.372	1		
			50	0		22.11	0.364	1		
			16-QAM	1	1	0	21.94	0.350	1	
						24	21.82	0.340	1	
		49				21.85	0.343	1		
		27		2	0	21.47	0.314	1		
					12	21.22	0.296	1		
					23	21.03	0.284	1		
		Band 4 / 10MHz	CH 20175 1732.5MHz	QPSK	1	0	0	23.56	0.508	1
						24		23.40	0.490	1
49	23.36					0.485		1		
25	0				1	22.35	0.385	1		
	12					22.20	0.372	1		
	25					22.15	0.367	1		
50	0					22.16	0.368	1		
16-QAM	1				1	0	22.51	0.399	1	
						24	22.27	0.378	1	
				49		21.93	0.349	1		
	27			2	0	21.26	0.299	1		
					12	21.27	0.300	1		
					23	21.42	0.310	1		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 4 / 10MHz	CH 20350 1750MHz	QPSK	1	0	0	23.98	0.560	1	
				24		23.81	0.538	1	
				49		23.72	0.527	1	
			25	0	1	22.78	0.425	1	
				12		22.65	0.412	1	
				25		22.52	0.400	1	
			50	0		22.53	0.401	1	
			16-QAM	1	1	0	23.48	0.499	1
						24	23.31	0.480	1
		49				22.63	0.410	1	
		27		2	0	21.67	0.329	1	
					12	21.52	0.318	1	
					23	21.61	0.324	1	

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 2: LTE Band 4		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 4 / 15MHz	CH 20025 1717.5MHz	QPSK	1	0	0	23.40	0.490	1
				37		23.12	0.459	1
				74		23.11	0.458	1
			36	0	1	19.12	0.183	1
				19		18.96	0.176	1
				39		18.90	0.174	1
		75	0	22.11	0.364	1		
		16-QAM	1	1	0	22.19	0.371	1
					37	22.16	0.368	1
					74	22.16	0.368	1
			27	2	0	21.19	0.294	1
					24	21.18	0.294	1
48	21.12				0.290	1		
Band 4 / 15MHz	CH 20175 1732.5MHz	QPSK	1	0	0	23.77	0.533	1
				37		23.46	0.497	1
				74		23.42	0.492	1
			36	0	1	22.41	0.390	1
				19		22.20	0.372	1
				39		22.17	0.369	1
		75	0	22.16	0.368	1		
		16-QAM	1	1	0	22.67	0.414	1
					37	22.62	0.409	1
					74	22.04	0.358	1
			27	2	0	21.35	0.305	1
					24	21.23	0.297	1
48	21.19				0.294	1		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 4 / 15MHz	CH 20325 1747.5MHz	QPSK	1	0	0	23.65	0.519	1	
				37		23.57	0.509	1	
				74		23.56	0.508	1	
			36	0	1	22.74	0.421	1	
				19		22.65	0.412	1	
				39		22.51	0.399	1	
			75	0	22.62	0.409	1		
			16-QAM	1	1	0	22.91	0.438	1
						37	22.83	0.430	1
		74				22.72	0.419	1	
		27		2	0	21.54	0.319	1	
					24	21.51	0.317	1	
					48	21.48	0.315	1	

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Test Item	RF Output Power		
Test Mode	Mode 2: LTE Band 4		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 4 / 20MHz	CH 20050 1720MHz	QPSK	1	0	0	23.56	0.508	1
				49		23.43	0.493	1
				99		23.29	0.478	1
			50	0	1	22.35	0.385	1
				25		22.30	0.380	1
				50		22.21	0.372	1
		100	0		22.20	0.372	1	
		16-QAM	1	1	0	22.43	0.392	1
					49	22.17	0.369	1
					99	22.29	0.379	1
			27	2	0	21.44	0.312	1
					36	21.35	0.305	1
73	21.37				0.307	1		
Band 4 / 20MHz	CH 20175 1732.5MHz	QPSK	1	0	0	23.53	0.505	1
				49		23.44	0.494	1
				99		23.35	0.484	1
			50	0	1	22.43	0.392	1
				25		22.34	0.384	1
				50		22.40	0.389	1
		100	0		22.25	0.376	1	
		16-QAM	1	1	0	22.79	0.426	1
					49	22.53	0.401	1
					99	22.15	0.367	1
			27	2	0	21.18	0.294	1
					36	21.27	0.300	1
73	21.27				0.300	1		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 4 / 20MHz	CH 20300 1745MHz	QPSK	1	0	0	23.67	0.521	1	
				49		23.59	0.512	1	
				99		23.43	0.493	1	
			50	0	1	22.67	0.414	1	
				25		22.57	0.405	1	
				50		22.62	0.409	1	
			100	0		22.48	0.396	1	
			16-QAM	1	1	0	22.44	0.393	1
						49	22.31	0.381	1
		99				22.11	0.364	1	
		27		2	0	21.62	0.325	1	
					36	21.53	0.318	1	
					73	21.58	0.322	1	



Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 3: LTE Band 12		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	FCC Limit (W) ERP	IC Limit (W) EIRP				
Band 12 / 1.4MHz	CH 23017 699.7MHz	QPSK	1	0	0	24.57	0.348	3	5				
				2		24.40	0.335	3	5				
				5		24.31	0.328	3	5				
			3	0	0	24.43	0.337	3	5				
				1		24.37	0.333	3	5				
				3		24.36	0.332	3	5				
			6	0	1	23.36	0.264	3	5				
			16-QAM	1	16-QAM	0	1	23.74	0.288	3	5		
						2		23.54	0.275	3	5		
		5				23.33		0.262	3	5			
		3		0		1	23.41	0.267	3	5			
				1			23.36	0.264	3	5			
				3			23.24	0.256	3	5			
		6		0		2	22.61	0.222	3	5			
		Band 12 / 1.4MHz		CH 23095 707.5MHz		QPSK	1	0	0	23.82	0.293	3	5
								2		23.56	0.276	3	5
			5		23.52			0.274		3	5		
			3		0		0	23.74	0.288	3	5		
1	23.64				0.281			3	5				
3	23.58				0.277			3	5				
6	0		1		22.64		0.223	3	5				
16-QAM	1		16-QAM		0		1	22.50	0.216	3	5		
					2			22.39	0.211	3	5		
					5	22.33		0.208	3	5			
	3				0	1	22.57	0.220	3	5			
					1		22.43	0.213	3	5			
					3		22.41	0.212	3	5			
	6				0	2	21.42	0.169	3	5			

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	FCC Limit (W) ERP	IC Limit (W) EIRP	
Band 12 / 1.4MHz	CH 23173 715.3MHz	QPSK	1	0	0	24.23	0.322	3	5	
				2		24.04	0.308	3	5	
				5		23.91	0.299	3	5	
			3	0	0	24.15	0.316	3	5	
				1		24.03	0.308	3	5	
				3		23.89	0.298	3	5	
		6	0	1	22.89	0.237	3	5		
		16-QAM	1	1	0	1	23.12	0.249	3	5
					2		23.05	0.245	3	5
					5		22.86	0.235	3	5
			3	1	0	1	23.56	0.276	3	5
					1		23.51	0.273	3	5
					3		23.40	0.266	3	5
			6	0	2	22.03	0.194	3	5	

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 3: LTE Band 12		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	FCC Limit (W) ERP	IC Limit (W) EIRP		
Band 12 / 3MHz	CH 23025 700.5MHz	QPSK	1	0	0	24.58	0.349	3	5		
				7		24.36	0.332	3	5		
				14		24.04	0.308	3	5		
			8	0	1	23.37	0.264	3	5		
				4		23.32	0.261	3	5		
				7		23.26	0.258	3	5		
		15	0	23.47	0.270	3	5				
		16-QAM	1	1	0	23.51	0.273	3	5		
					7	23.40	0.266	3	5		
					14	23.09	0.248	3	5		
			8	2	0	22.63	0.223	3	5		
					4	22.58	0.220	3	5		
					7	22.56	0.219	3	5		
		15	0	22.41	0.212	3	5				
		Band 12 / 3MHz	CH 23095 707.5MHz	QPSK	1	0	0	23.82	0.293	3	5
						7		23.75	0.288	3	5
						14		23.71	0.286	3	5
					8	1	0	22.80	0.232	3	5
4	22.61						0.222	3	5		
7	22.58						0.220	3	5		
15	0			22.60	0.221	3	5				
16-QAM	1			1	0	22.68	0.225	3	5		
					7	22.42	0.212	3	5		
					14	22.10	0.197	3	5		
	8			2	0	21.62	0.177	3	5		
					4	21.43	0.169	3	5		
					7	21.43	0.169	3	5		
15	0			21.62	0.177	3	5				

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	FCC Limit (W) ERP	IC Limit (W) EIRP	
Band 12 / 3MHz	CH 23165 714.5MHz	QPSK	1	0	0	24.22	0.321	3	5	
				7		24.02	0.307	3	5	
				14		23.83	0.294	3	5	
			8	0	1	22.98	0.242	3	5	
				4		22.85	0.234	3	5	
				7		22.85	0.234	3	5	
			15	0	22.87	0.236	3	5		
			16-QAM	1	1	0	22.97	0.241	3	5
						7	22.89	0.237	3	5
		14				22.59	0.221	3	5	
		8		2	0	21.98	0.192	3	5	
					4	21.86	0.187	3	5	
					7	21.87	0.187	3	5	
		15	0	21.87	0.187	3	5			

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 3: LTE Band 12		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	FCC Limit (W) ERP	IC Limit (W) EIRP		
Band 12 / 5MHz	CH 23035 701.5MHz	QPSK	1	0	0	24.40	0.335	3	5		
				12		24.18	0.318	3	5		
				24		24.17	0.318	3	5		
			12	0	1	23.24	0.256	3	5		
				6		23.22	0.255	3	5		
				13		23.20	0.254	3	5		
		25	0	23.23	0.256	3	5				
		16-QAM	1	1	0	22.91	0.238	3	5		
					12	22.65	0.224	3	5		
					24	22.87	0.236	3	5		
			12	2	0	22.38	0.210	3	5		
					6	22.19	0.201	3	5		
					13	22.35	0.209	3	5		
		25	0	22.27	0.205	3	5				
		Band 12 / 5MHz	CH 23095 707.5MHz	QPSK	1	0	0	23.95	0.302	3	5
						12		23.50	0.272	3	5
						24		23.58	0.277	3	5
					12	1	0	22.70	0.226	3	5
6	22.69						0.226	3	5		
13	22.57						0.220	3	5		
25	0			22.58	0.220	3	5				
16-QAM	1			1	0	22.78	0.231	3	5		
					12	22.67	0.225	3	5		
					24	22.14	0.199	3	5		
	12			2	0	21.85	0.186	3	5		
					6	21.59	0.175	3	5		
					13	21.41	0.168	3	5		
25	0			21.58	0.175	3	5				

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	FCC Limit (W) ERP	IC Limit (W) EIRP	
Band 12 / 5MHz	CH 23155 713.5MHz	QPSK	1	0	0	23.88	0.297	3	5	
				12		23.71	0.286	3	5	
				24		23.68	0.284	3	5	
			12	0	1	22.74	0.229	3	5	
				6		22.65	0.224	3	5	
				13		22.71	0.227	3	5	
			25	0	22.76	0.230	3	5		
			16-QAM	1	1	0	22.87	0.236	3	5
						12	22.70	0.226	3	5
		24				22.72	0.228	3	5	
		12		2	0	21.96	0.191	3	5	
					6	21.81	0.185	3	5	
					13	21.93	0.190	3	5	
		25	0	21.91	0.189	3	5			

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 3: LTE Band 12		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	FCC Limit (W) ERP	IC Limit (W) EIRP				
Band 12 / 10MHz	CH 23060 704MHz	QPSK	1	0	0	24.21	0.321	3	5				
				24		24.13	0.315	3	5				
				49		23.68	0.284	3	5				
			25	0	1	23.16	0.252	3	5				
						12	22.98	0.242	3	5			
						25	22.72	0.228	3	5			
				50		0	22.95	0.240	3	5			
							16-QAM	1	1	22.91	0.238	3	5
										24	22.88	0.236	3
		49	22.28	0.206	3	5							
		27	0	2	22.41	0.212	3	5					
					12	22.10	0.197	3	5				
					23	21.58	0.175	3	5				
			Band 12 / 10MHz		CH 23095 707.5MHz	QPSK	1	0	0	24.18	0.318	3	5
								24		23.94	0.301	3	5
49	23.84							0.294		3	5		
25	0	1		22.76			0.230	3	5				
				12			22.72	0.228	3	5			
				25			22.64	0.223	3	5			
	50			0			22.49	0.216	3	5			
							16-QAM	1	1	22.88	0.236	3	5
										24	22.63	0.223	3
49	22.55	0.219		3		5							
27	0	2		21.86		0.187	3	5					
				12		21.83	0.185	3	5				
				23		21.78	0.183	3	5				

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	FCC Limit (W) ERP	IC Limit (W) EIRP	
Band 12 / 10MHz	CH 23130 711MHz	QPSK	1	0	0	24.11	0.313	3	5	
				24		24.03	0.308	3	5	
				49		23.96	0.303	3	5	
			25	0	1	22.81	0.232	3	5	
				12		22.70	0.226	3	5	
				25		22.71	0.227	3	5	
			50	0		22.65	0.224	3	5	
			16-QAM	1	1	0	23.08	0.247	3	5
						24	22.96	0.240	3	5
		49				22.66	0.224	3	5	
		27		2	0	21.84	0.186	3	5	
					12	21.77	0.183	3	5	
					23	21.77	0.183	3	5	



Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 4: LTE Band 66		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 / 1.4MHz	CH 131979 1710.7MHz	QPSK	1	0	0	23.23	0.471	1
				2		23.15	0.462	1
				5		23.09	0.456	1
			3	0	0	23.21	0.469	1
				1		23.17	0.465	1
				3		23.16	0.463	1
		6	0	1	22.10	0.363	1	
		16-QAM	1	1	0	22.13	0.366	1
					2	22.10	0.363	1
					5	22.04	0.358	1
			3	1	0	22.11	0.364	1
					1	22.09	0.362	1
					3	22.07	0.361	1
		6	0	2	21.30	0.302	1	
		Band 66 / 1.4MHz	CH 132322 1745MHz	QPSK	1	0	0	23.64
2	23.57					0.509		1
5	23.55					0.507		1
3	0				0	23.67	0.521	1
	1					23.59	0.512	1
	3					23.57	0.509	1
6	0			1	22.45	0.394	1	
16-QAM	1			1	0	22.95	0.442	1
					2	22.82	0.429	1
					5	22.68	0.415	1
	3			1	0	22.90	0.437	1
					1	22.85	0.432	1
					3	22.73	0.420	1
6	0			2	21.84	0.342	1	

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 66 / 1.4MHz	CH 132665 / 1779.3MHz	QPSK	1	0	0	23.97	0.558	1	
				2		23.86	0.545	1	
				5		23.57	0.509	1	
			3	0	0	23.58	0.511	1	
				1		23.61	0.514	1	
				3		23.57	0.509	1	
			6	0	1	22.46	0.394	1	
			16-QAM	1	1	0	22.56	0.404	1
						2	22.55	0.403	1
		5				22.41	0.390	1	
		3		1	0	22.52	0.400	1	
					1	22.49	0.397	1	
					3	22.48	0.396	1	
		6	0	2	21.32	0.303	1		

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 4: LTE Band 66		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 / 3MHz	CH 131987 1711.5MHz	QPSK	1	0	0	23.23	0.471	1
				7		23.19	0.467	1
				14		23.19	0.467	1
			8	0	1	22.18	0.370	1
				4		22.16	0.368	1
				7		22.10	0.363	1
		15	0	1	22.04	0.358	1	
		16-QAM	1	1	0	22.56	0.404	1
					7	22.36	0.385	1
					14	21.84	0.342	1
			8	2	0	21.29	0.301	1
					4	20.93	0.277	1
					7	21.22	0.296	1
		15	0	2	21.14	0.291	1	
		Band 66 / 3MHz	CH 132322 1745MHz	QPSK	1	0	0	23.75
7	23.68					0.522		1
14	23.64					0.518		1
8	1				0	22.60	0.407	1
					4	22.59	0.406	1
					7	22.56	0.404	1
15	0			1	22.51	0.399	1	
16-QAM	1			1	0	22.67	0.414	1
					7	22.58	0.406	1
					14	22.47	0.395	1
	8			2	0	21.87	0.344	1
					4	21.73	0.333	1
					7	21.61	0.324	1
15	0			2	21.56	0.321	1	

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 66 / 3MHz	CH 132657 1778.5MHz	QPSK	1	0	0	23.95	0.556	1	
				7		23.71	0.526	1	
				14		23.43	0.493	1	
			8	0	1	22.59	0.406	1	
				4		22.54	0.402	1	
				7		22.58	0.406	1	
			15	0	1	22.50	0.398	1	
			16-QAM	1	1	0	22.87	0.434	1
						7	22.84	0.431	1
		14				22.76	0.423	1	
		8		2	0	21.68	0.330	1	
					4	21.65	0.327	1	
					7	21.63	0.326	1	
		15	0	2	21.69	0.330	1		

Product	LE910C1-ST		
Test Item	RF Output Power		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 / 5MHz	CH 131997 1712.5MHz	QPSK	1	0	0	22.23	0.374	1
				12		22.13	0.366	1
				24		21.80	0.339	1
			12	0	1	21.33	0.304	1
				6		21.24	0.298	1
				13		21.17	0.293	1
		25	0	22.03	0.357	1		
		16-QAM	1	1	0	21.96	0.352	1
					12	21.72	0.333	1
					24	21.84	0.342	1
			12	2	0	21.21	0.296	1
					6	21.16	0.292	1
					13	21.06	0.286	1
		25	0	20.92	0.277	1		
		Band 66 / 5MHz	CH 132322 1745MHz	QPSK	1	0	0	23.84
12	23.71					0.526		1
24	23.51					0.502		1
12	0				1	22.61	0.408	1
	6					22.60	0.407	1
	13					22.49	0.397	1
25	0			22.53	0.401	1		
16-QAM	1			1	0	22.33	0.383	1
					12	22.23	0.374	1
					24	22.20	0.372	1
	12			2	0	21.55	0.320	1
					6	21.46	0.313	1
					13	21.59	0.323	1
25	0			21.61	0.324	1		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 66 / 5MHz	CH 132647 1777.5MHz	QPSK	1	0	0	23.56	0.508	1	
				12		23.49	0.500	1	
				24		23.29	0.478	1	
			12	0	1	22.58	0.406	1	
				6		22.51	0.399	1	
				13		22.40	0.389	1	
			25	0		22.47	0.395	1	
			16-QAM	1	1	0	22.56	0.404	1
						12	22.35	0.385	1
		24				22.50	0.398	1	
		12		2	0	21.65	0.327	1	
					6	21.55	0.320	1	
					13	21.43	0.311	1	
		25	0		21.54	0.319	1		

Product	LE910C1-ST		
Test Item	RF Output Power		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP		
Band 66 / 10MHz	CH 132022 1715MHz	QPSK	1	0	0	23.38	0.488	1		
				24		23.21	0.469	1		
				49		23.03	0.450	1		
			25	0	1	22.22	0.373	1		
				12		22.13	0.366	1		
				25		22.04	0.358	1		
			50	0		21.98	0.353	1		
			16-QAM	1	1	0	22.06	0.360	1	
						24	21.95	0.351	1	
		49				21.65	0.327	1		
		27		2	0	21.34	0.305	1		
					12	21.11	0.289	1		
					23	21.23	0.297	1		
		Band 66 / 10MHz	CH 132322 1745MHz	QPSK	1	0	0	23.81	0.538	1
						24		23.72	0.527	1
49	23.63					0.516		1		
25	0				1	22.67	0.414	1		
	12					22.60	0.407	1		
	25					22.61	0.408	1		
50	0					22.52	0.400	1		
16-QAM	1				1	0	22.74	0.421	1	
						24	22.62	0.409	1	
				49		22.48	0.396	1		
	27			2	0	21.77	0.337	1		
					12	21.68	0.330	1		
					23	21.58	0.322	1		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 66 / 10MHz	CH 132622 1775MHz	QPSK	1	0	0	23.86	0.545	1	
				24		23.72	0.527	1	
				49		23.71	0.526	1	
			25	0	1	22.55	0.403	1	
				12		22.42	0.391	1	
				25		22.41	0.390	1	
			50	0		22.35	0.385	1	
			16-QAM	1	1	0	23.12	0.459	1
						24	23.04	0.451	1
		49				22.41	0.390	1	
		27		2	0	21.53	0.318	1	
					12	21.50	0.316	1	
					23	21.41	0.310	1	



Product	LE910C1-ST		
Test Item	RF Output Power		
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Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP		
Band 66 / 15MHz	CH 132047 1717.5MHz	QPSK	1	0	0	23.60	0.513	1		
				37		23.55	0.507	1		
				74		23.42	0.492	1		
			36	0	1	22.31	0.381	1		
				19		22.21	0.372	1		
				39		22.06	0.360	1		
			75	0	22.07	0.361	1			
			16-QAM	1	1	0	22.80	0.427	1	
						37	22.71	0.418	1	
		74				22.17	0.369	1		
		27		2	0	21.22	0.296	1		
					24	21.19	0.294	1		
					48	21.17	0.293	1		
		Band 66 / 15MHz	CH 132322 1745MHz	QPSK	1	0	0	23.78	0.535	1
						37		23.61	0.514	1
74	23.24					0.472		1		
36	0				1	22.76	0.423	1		
	19					22.63	0.410	1		
	39					22.58	0.406	1		
75	0				22.39	0.388	1			
16-QAM	1				1	0	22.97	0.444	1	
						37	22.89	0.436	1	
				74		22.23	0.374	1		
	27			2	0	21.73	0.333	1		
					24	21.63	0.326	1		
					48	21.58	0.322	1		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 / 15MHz	CH 132597 / 1772.5MHz	QPSK	1	0	0	23.63	0.516	1
				37		23.28	0.476	1
				74		23.52	0.504	1
			36	0	1	22.56	0.404	1
				19		22.51	0.399	1
				39		22.44	0.393	1
		75	0	22.36	0.385	1		
		16-QAM	1	1	0	23.39	0.489	1
					37	23.33	0.482	1
					74	22.65	0.412	1
			27	2	0	21.58	0.322	1
					24	21.41	0.310	1
48	21.50				0.316	1		

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 4: LTE Band 66		
Date of Test	2018/12/12	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP
Band 66 / 20MHz	CH 132072 1720MHz	QPSK	1	0	0	23.55	0.507	1
				49		23.41	0.491	1
				99		23.12	0.459	1
			50	0	1	22.33	0.383	1
				25		22.25	0.376	1
				50		22.08	0.361	1
		100	0	22.12	0.365	1		
		16-QAM	1	1	0	22.42	0.391	1
					49	22.06	0.360	1
					99	21.91	0.348	1
			27	2	0	21.23	0.297	1
					36	21.15	0.292	1
73	21.28				0.301	1		
Band 66 / 20MHz	CH 132322 1745MHz	QPSK	1	0	0	23.86	0.545	1
				49		23.75	0.531	1
				99		23.59	0.512	1
			50	1	0	22.71	0.418	1
					25	22.63	0.410	1
					50	22.60	0.407	1
		100	0	22.43	0.392	1		
		16-QAM	1	1	0	22.88	0.435	1
					49	22.72	0.419	1
					99	22.53	0.401	1
			27	2	0	21.67	0.329	1
					36	21.64	0.327	1
73	21.55				0.320	1		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) EIRP	Limit (W) EIRP	
Band 66 / 20MHz	CH 132572 1770MHz	QPSK	1	0	0	23.65	0.519	1	
				49		23.40	0.490	1	
				99		23.41	0.491	1	
			50	0	1	22.51	0.399	1	
				25		22.43	0.392	1	
				50		22.42	0.391	1	
			100	0		22.44	0.393	1	
			16-QAM	1	1	0	22.59	0.406	1
						49	22.44	0.393	1
		99				22.18	0.370	1	
		27		2	0	21.58	0.322	1	
					36	21.52	0.318	1	
					73	21.57	0.321	1	

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 5: LTE Band 71		
Date of Test	2018/12/12	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP
Band 71 / 5MHz	CH 113147 665.5MHz	QPSK	1	0	0	23.88	0.297	3
				12		23.71	0.286	3
				24		23.52	0.274	3
			12	0	1	22.87	0.236	3
				6		22.85	0.234	3
				13		22.77	0.230	3
		25	0	22.95	0.240	3		
		16-QAM	1	1	0	22.98	0.242	3
					12	22.57	0.220	3
					24	22.81	0.232	3
			12	2	0	21.78	0.183	3
					6	21.75	0.182	3
					13	21.73	0.181	3
		25	0	21.98	0.192	3		
		Band 71 / 5MHz	CH 133297 680.5MHz	QPSK	1	0	0	23.80
12	23.62					0.280		3
24	23.37					0.264		3
12	0				1	22.68	0.225	3
	6					22.63	0.223	3
	13					22.57	0.220	3
25	0			22.50	0.216	3		
16-QAM	1			1	0	22.49	0.216	3
					12	22.35	0.209	3
					24	22.02	0.194	3
	12			2	0	21.56	0.174	3
					6	21.53	0.173	3
					13	21.32	0.165	3
25	0			21.33	0.165	3		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP	
Band 71 / 5MHz	CH 133447 695.5MHz	QPSK	1	0	0	23.39	0.265	3	
				12		23.30	0.260	3	
				24		23.23	0.256	3	
			12	0	1	22.20	0.202	3	
				6		22.15	0.200	3	
				13		22.16	0.200	3	
			25	0	22.03	0.194	3		
			16-QAM	1	1	0	22.32	0.207	3
						12	22.22	0.203	3
		24				21.86	0.187	3	
		12		2	0	21.37	0.167	3	
					6	21.33	0.165	3	
					13	21.30	0.164	3	
		25	0	21.25	0.162	3			

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 5: LTE Band 71		
Date of Test	2018/12/12	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP			
Band 71 / 10MHz	CH 133172 668MHz	QPSK	1	0	0	24.43	0.337	3			
				24		24.38	0.333	3			
				49		23.85	0.295	3			
			25	1	0	23.28	0.259	3			
					12	23.22	0.255	3			
					25	22.98	0.242	3			
				50	1	0	23.12	0.249	3		
						1	22.99	0.242	3		
						24	22.95	0.240	3		
		16-QAM	1	49	22.27	0.205	3				
				27	0	22.25	0.204	3			
					12	22.15	0.200	3			
			23		21.95	0.191	3				
			Band 71 / 10MHz	CH 133297 680.5MHz	QPSK	1	0	0	23.89	0.298	3
							24		23.78	0.290	3
49	23.71	0.286					3				
25	1	0				22.73	0.228	3			
		12				22.65	0.224	3			
		25				22.56	0.219	3			
	50	1				0	22.60	0.221	3		
						16-QAM	1	0	22.79	0.231	3
								24	22.74	0.229	3
49	22.20	0.202			3						
27	2	0			21.86	0.187	3				
		12			21.83	0.185	3				
		23			21.64	0.177	3				

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP	
Band 71 / 10MHz	CH 133421 693MHz	QPSK	1	0	0	23.40	0.266	3	
				24		23.22	0.255	3	
				49		23.35	0.263	3	
			25	0	1	22.23	0.203	3	
				12		22.17	0.200	3	
				25		22.14	0.199	3	
			50	0		22.16	0.200	3	
			16-QAM	1	1	0	22.51	0.217	3
						24	22.47	0.215	3
		49				22.57	0.220	3	
		27		2	0	21.32	0.165	3	
					12	21.06	0.155	3	
					23	21.30	0.164	3	



Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 5: LTE Band 71		
Date of Test	2018/12/12	Test Site	SR10-H

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP	
Band 71 / 15MHz	CH 133197 670.5MHz	QPSK	1	0	0	24.30	0.327	3	
				37		23.94	0.301	3	
				74		23.56	0.276	3	
			36	0	1	23.12	0.249	3	
				19		22.96	0.240	3	
				39		22.92	0.238	3	
		75	0	22.87	0.236	3			
		16-QAM	1	1	0	1	23.67	0.283	3
					37		23.35	0.263	3
					74		22.96	0.240	3
			27	2	0	2	22.28	0.206	3
					24		22.00	0.193	3
48	21.92				0.189		3		
Band 71 / 15MHz	CH 133297 680.5MHz	QPSK	1	0	0	24.09	0.312	3	
				37		24.04	0.308	3	
				74		23.55	0.275	3	
			36	0	1	22.66	0.224	3	
				19		22.65	0.224	3	
				39		22.41	0.212	3	
		75	0	22.60	0.221	3			
		16-QAM	1	1	0	1	23.45	0.269	3
					37		23.36	0.264	3
					74		22.25	0.204	3
			27	2	0	2	21.78	0.183	3
					24		21.67	0.179	3
48	21.38				0.167		3		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP	
Band 71 / 15MHz	CH 133397 690.5MHz	QPSK	1	0	0	23.36	0.264	3	
				37		23.25	0.257	3	
				74		23.22	0.255	3	
			36	0	1	22.37	0.210	3	
				19		22.21	0.202	3	
				39		22.24	0.204	3	
			75	0	22.29	0.206	3		
			16-QAM	1	1	0	22.50	0.216	3
						37	22.46	0.214	3
		74				22.07	0.196	3	
		27		2	0	21.42	0.169	3	
					24	21.29	0.164	3	
					48	21.24	0.162	3	

Product	LE910C1-ST		
Test Item	RF Output Power		
Test Mode	Mode 5: LTE Band 71		
Date of Test	2018/12/12	Test Site	SR10-H

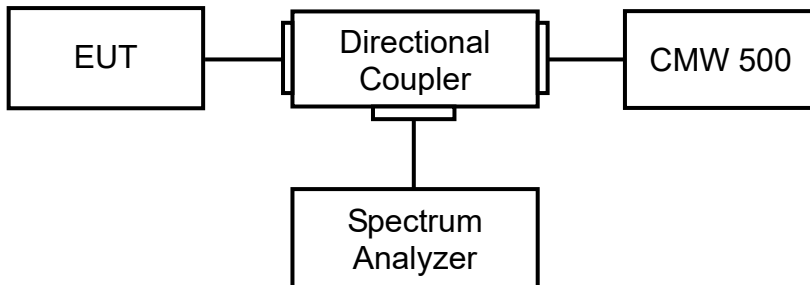
Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP		
Band 71 / 20MHz	CH 133222 673MHz	QPSK	1	0	0	21.13	0.158	3		
				49		23.75	0.288	3		
				99		23.37	0.264	3		
			50	0	1	23.04	0.245	3		
				25		23.02	0.244	3		
				50		22.85	0.234	3		
			100	0	22.92	0.238	3			
			16-QAM	1	1	0	22.56	0.219	3	
						49	22.41	0.212	3	
		99				22.25	0.204	3		
		27		2	0	22.11	0.198	3		
					36	21.90	0.188	3		
					73	21.80	0.184	3		
		Band 71 / 20MHz	CH 133297 680.5MHz	QPSK	1	0	0	23.84	0.294	3
						49		23.77	0.290	3
99	23.35					0.263		3		
50	0				1	22.77	0.230	3		
	25					22.64	0.223	3		
	50					22.39	0.211	3		
100	0				22.61	0.222	3			
16-QAM	1				1	0	22.89	0.237	3	
						49	22.85	0.234	3	
				99		21.80	0.184	3		
	27			2	0	21.85	0.186	3		
					36	21.61	0.176	3		
					73	21.51	0.172	3		

Band	Channel Freq. (MHz)	Modulation	RB No.	RB offset	MPR	Conducted Output Power (dBm)	RF Output Power (W) ERP	Limit (W) ERP	
Band 71 / 20MHz	CH 133371 688MHz	QPSK	1	0	0	23.54	0.275	3	
				49		23.40	0.266	3	
				99		23.19	0.254	3	
			50	0	1	22.53	0.218	3	
				25		22.30	0.207	3	
				50		22.29	0.206	3	
			100	0		22.35	0.209	3	
			16-QAM	1	1	0	22.15	0.200	3
						49	22.05	0.195	3
		99				21.71	0.180	3	
		27		2	0	21.70	0.180	3	
					36	21.35	0.166	3	
					73	21.31	0.164	3	

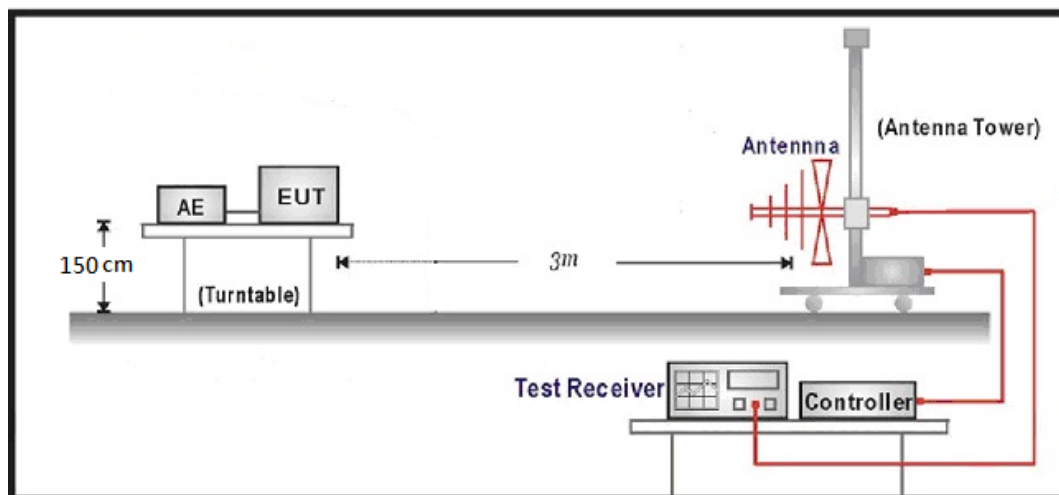
#### 4. Spurious Emissions

##### 4.1. Test Setup

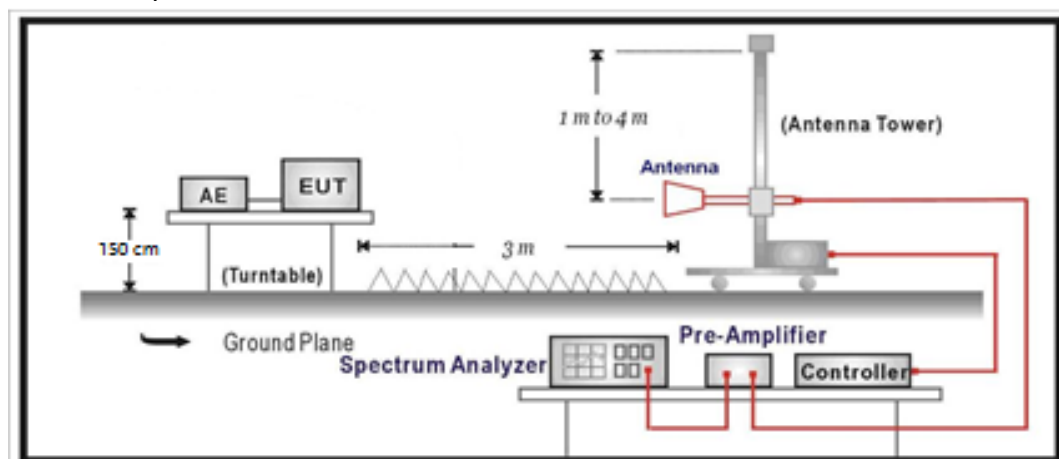
Conducted Spurious Measurement:



Radiated Spurious Measurement: below 1GHz



Radiated Spurious Measurement: above 1GHz



## 4.2. Test Procedure

### Conducted Spurious Measurement:

- a) Place the EUT on a bench and set it in transmitting mode.
- b) Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW500 by a Directional Couple.
- c) EUT Communicate with CMW500, then select a channel for testing.
- d) Add a correction factor to the display of spectrum, and then test.
- e) The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10<sup>th</sup> harmonic.

### Radiated Spurious Measurement:

- a) The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
- b) The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- c) The table was rotated 360 degrees to determine the position of the highest spurious emission.
- d) The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
- e) Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 1MHz, Sweep 500ms, Taking the record of maximum spurious emission.
- f) A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- g) Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- h) Taking the record of output power at antenna port
- i) Repeat step 7 to step 8 for another polarization.
- j)  $EIRP = SG - \text{Cable loss} + \text{Antenna Gain}$

## 4.3. Test Method

### Conducted Spurious Measurement:

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause6.1  
ANSI C63.26: 2015 Sub-clause 5.7

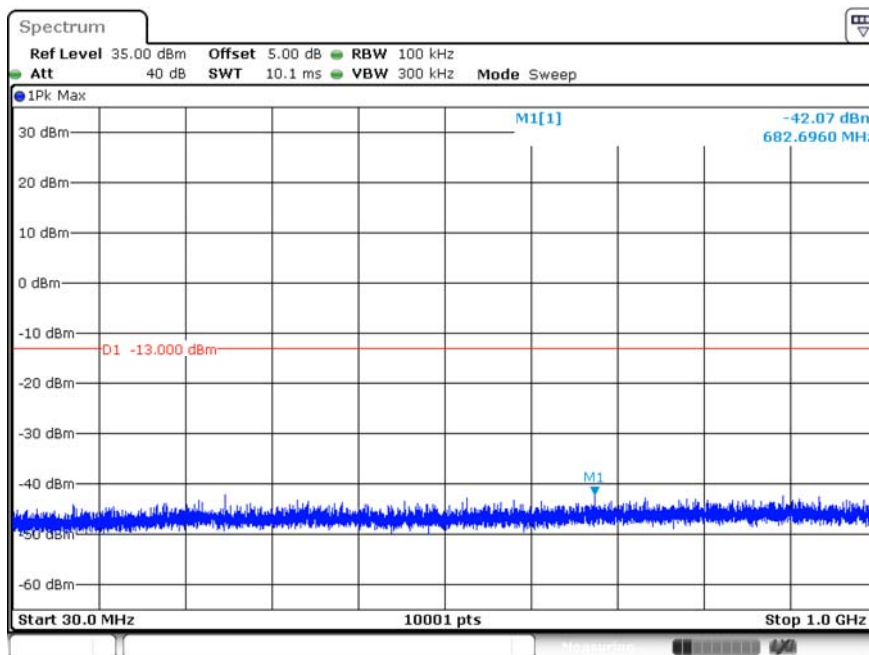
### Radiated Spurious Measurement:

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause5.8  
ANSI C63.26: 2015 Sub-clause 5.5.3.2

### 4.4. Test Result

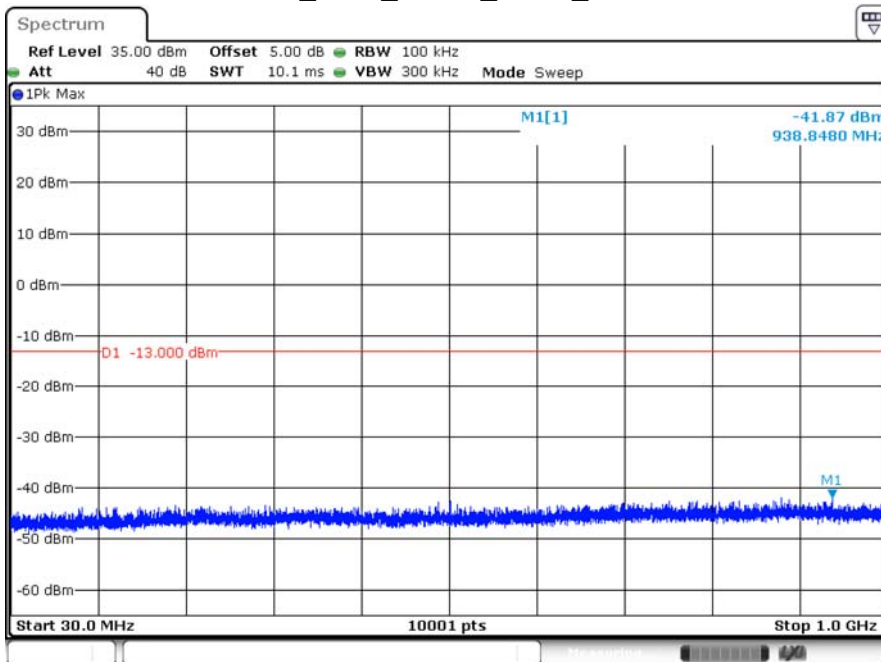
Product	LE910C1-ST		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/12/08	Test Site	SR10-H

**CH18607\_1.4M\_QPSK\_1RB0\_Under 1G**



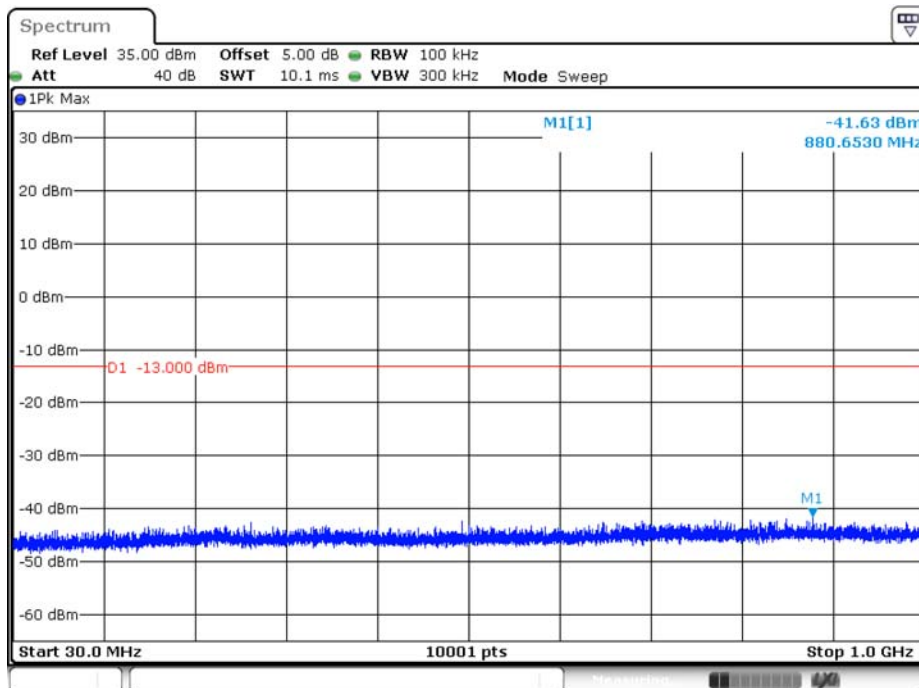
Date: 8 DEC.2018 12:48:40

**CH18900\_1.4M\_QPSK\_1RB0\_Under 1G**



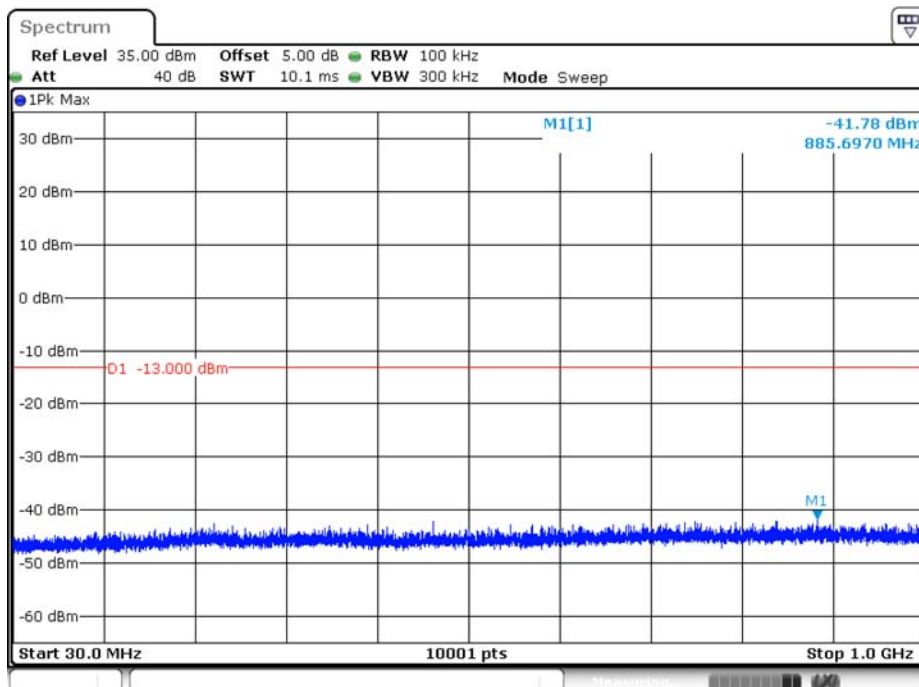
Date: 8 DEC.2018 12:49:58

### CH19193\_1.4M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 12:50:48

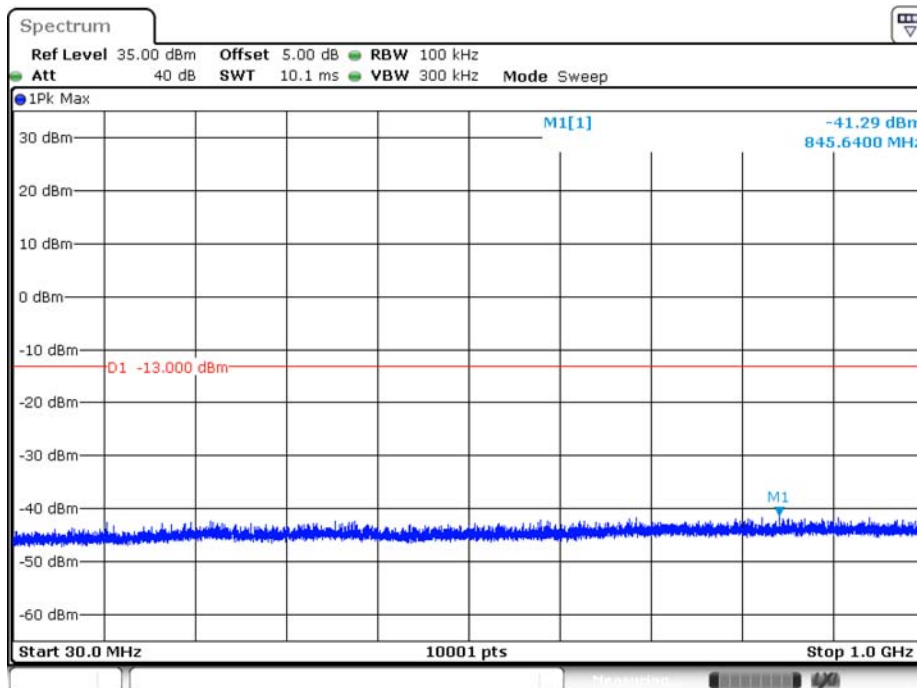
### CH18700\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 12:51:36

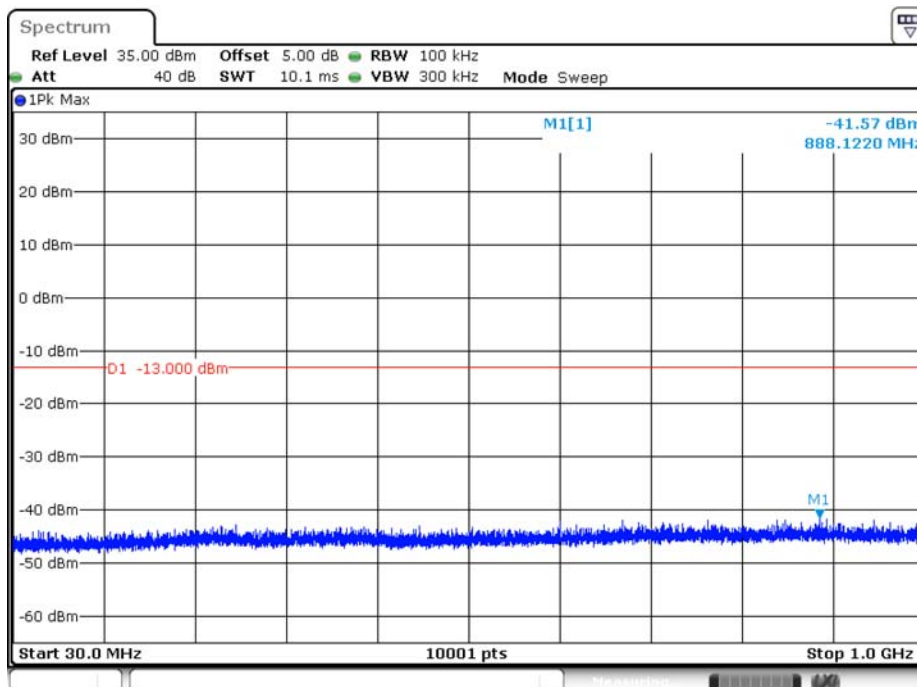


### CH18900\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 12:53:28

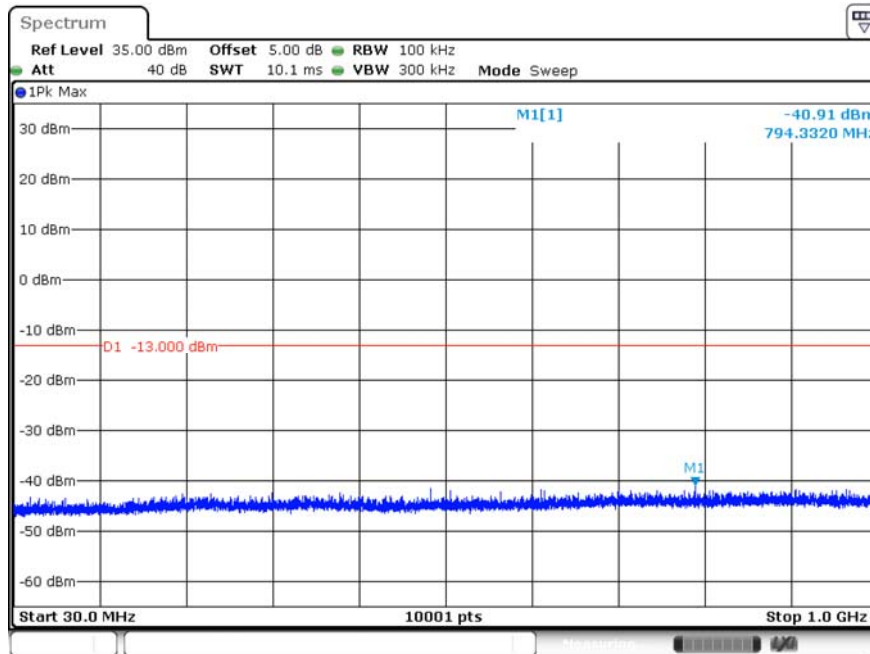
### CH19100\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 12:54:10

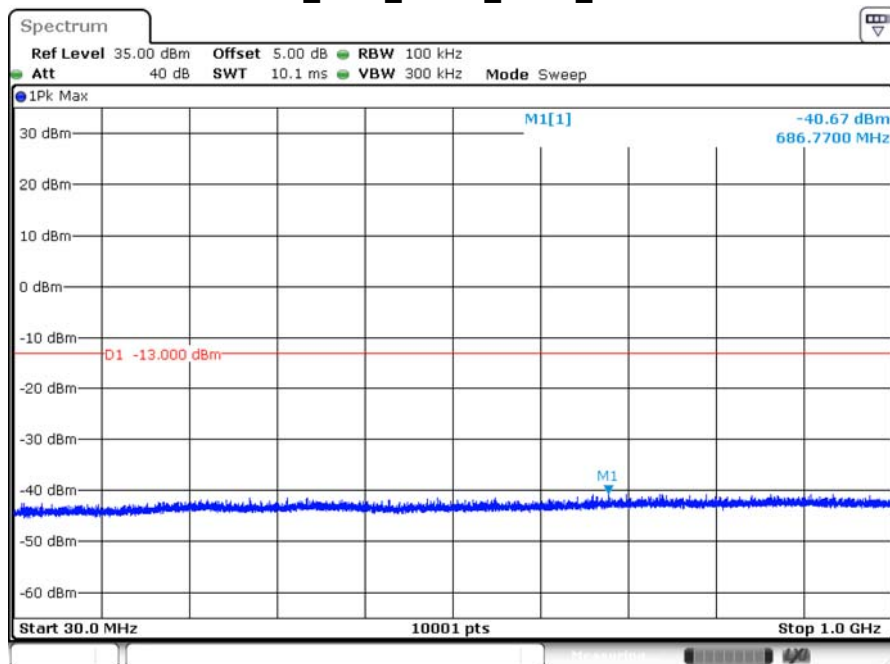
Product	LE910C1-ST		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2018/12/08	Test Site	SR10-H

### CH19957\_1.4M\_QPSK\_1RB0\_Under 1G



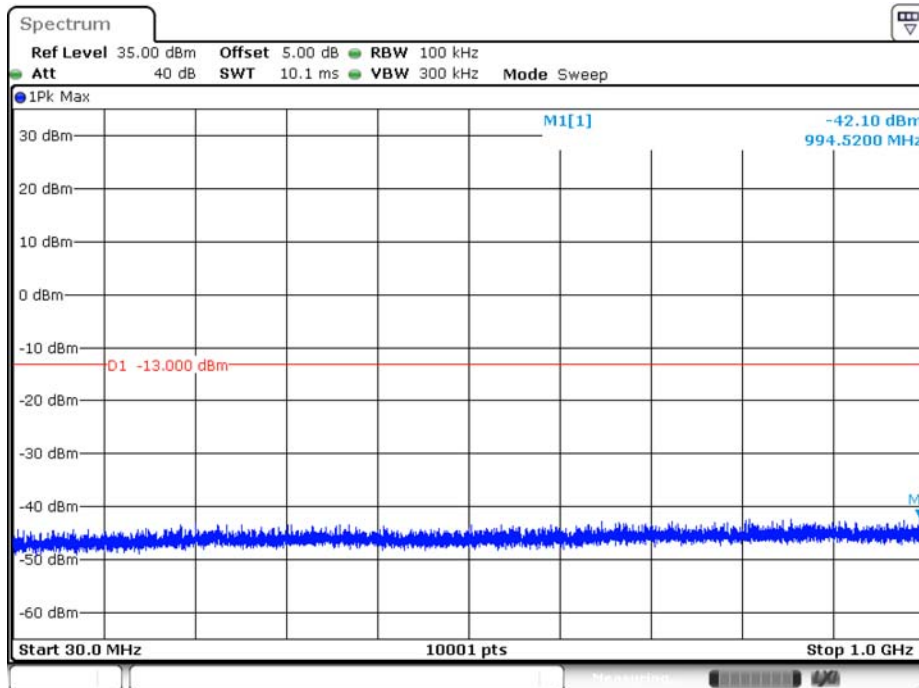
Date: 8 DEC.2018 10:56:23

### CH20175\_1.4M\_QPSK\_1RB0\_Under 1G



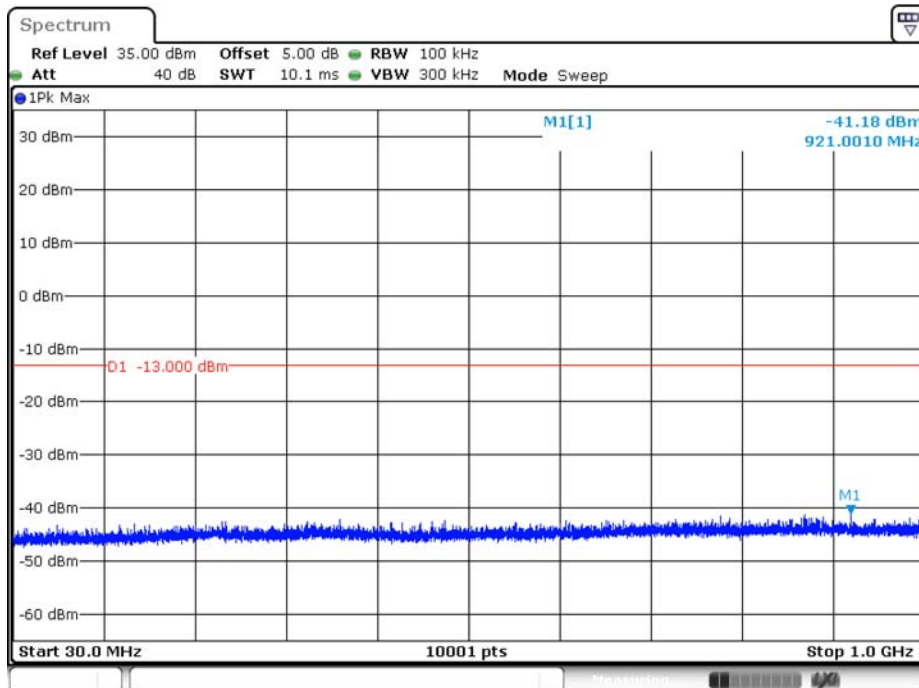
Date: 8 DEC.2018 11:53:25

### CH20393\_1.4M\_QPSK\_1RB0\_Under 1G



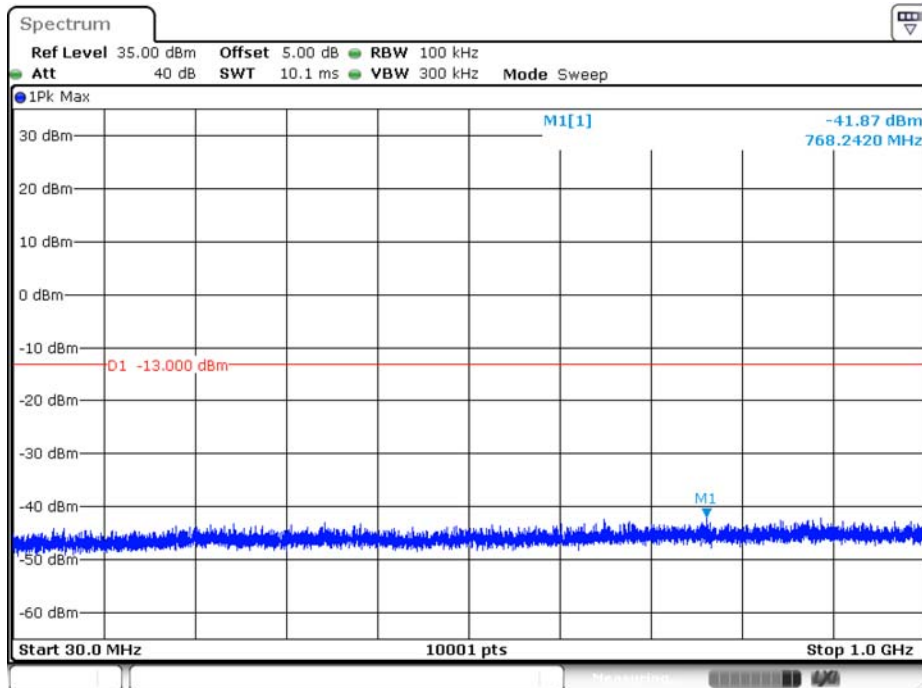
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### CH20050\_20M\_QPSK\_1RB0\_Under 1G



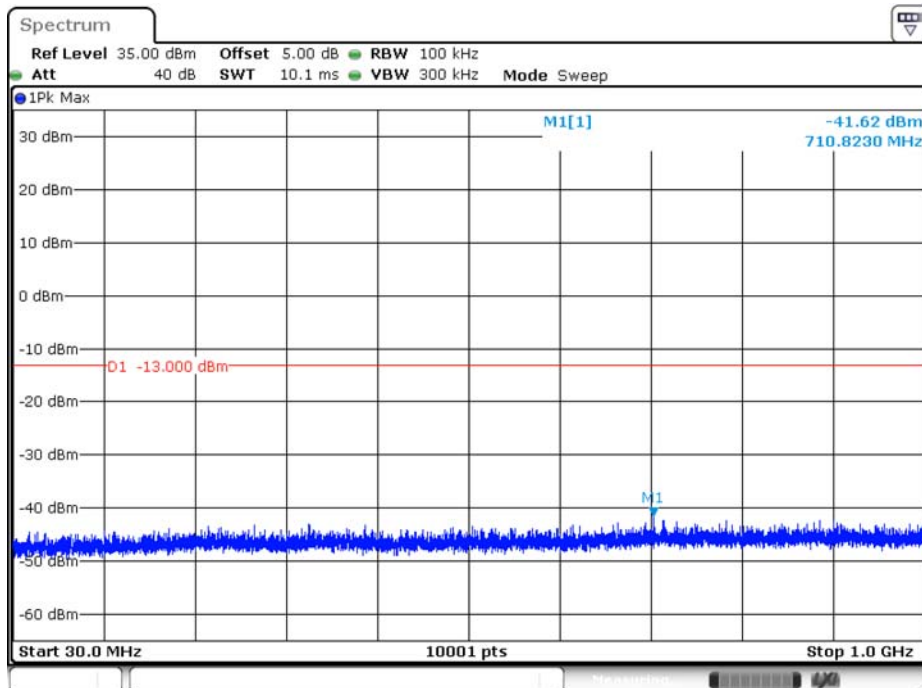
Date: 8.DEC.2018 11:57:15

### CH20175\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 11:58:20

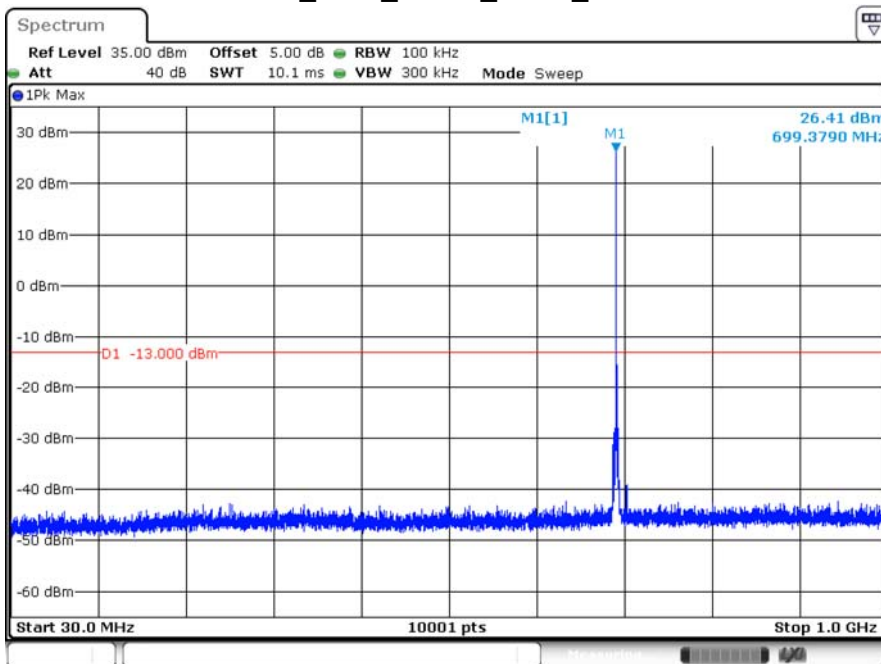
### CH20300\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 11:58:39

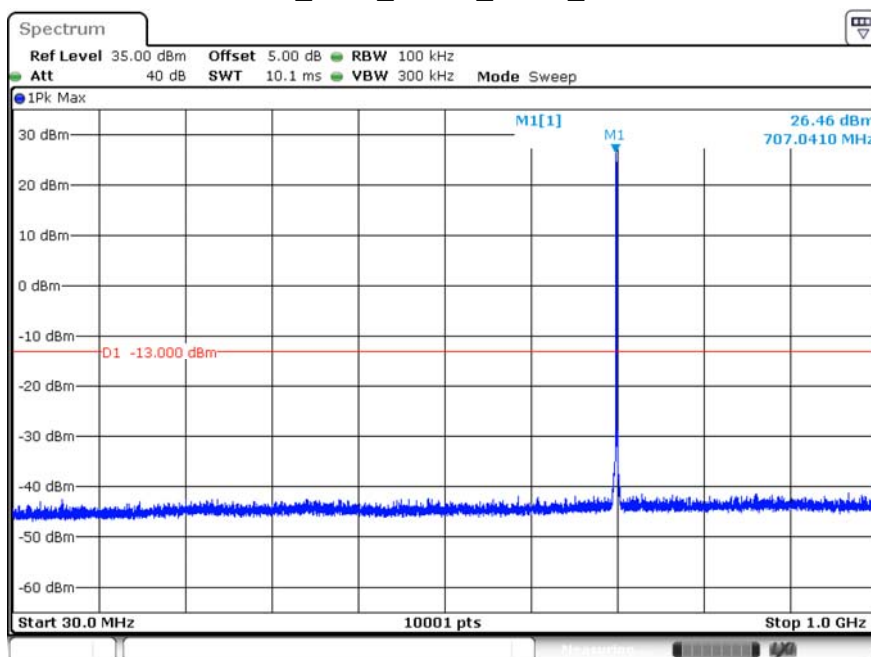
Product	LE910C1-ST		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 3: LTE Band 12		
Date of Test	2018/12/08	Test Site	SR10-H

### CH23017\_1.4M\_QPSK\_1RB0\_Under 1G



Date: 8 DEC.2018 12:28:39

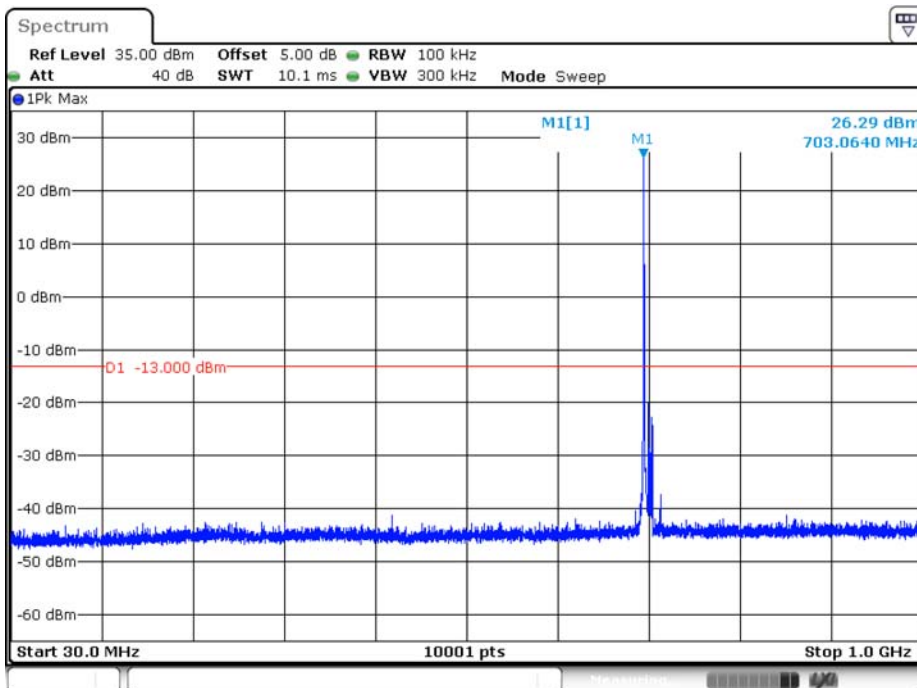
### CH23095\_1.4M\_QPSK\_1RB0\_Under 1G



Date: 8 DEC.2018 12:35:38

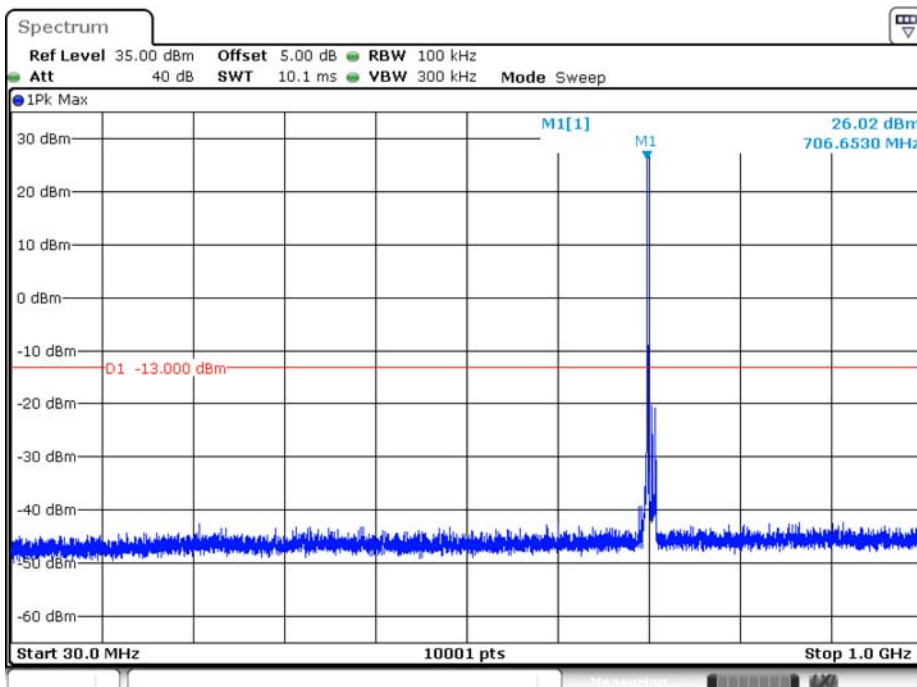


### CH23095\_10M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 12:45:41

### CH23130\_10M\_QPSK\_1RB0\_Under 1G

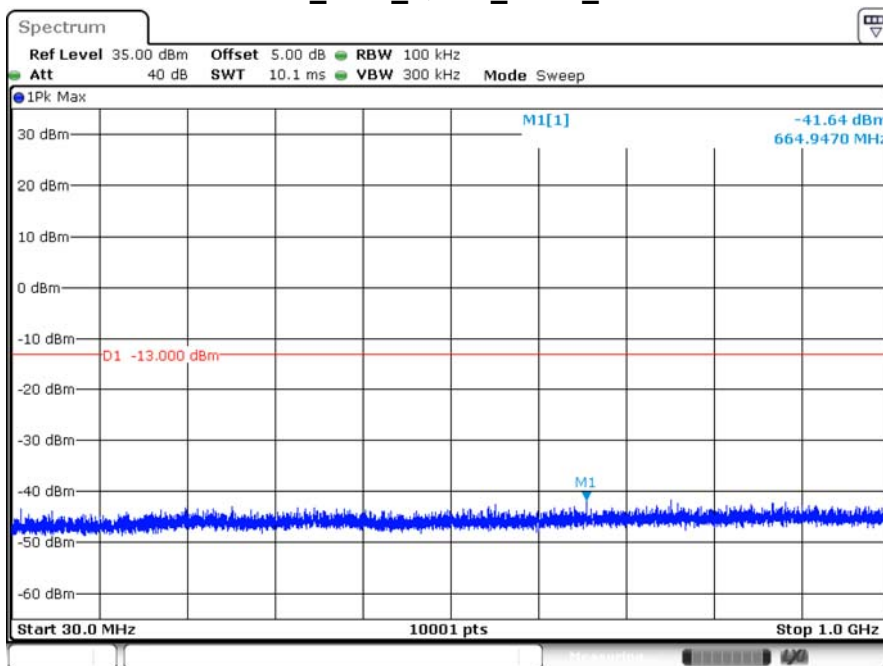


Date: 8.DEC.2018 12:46:41



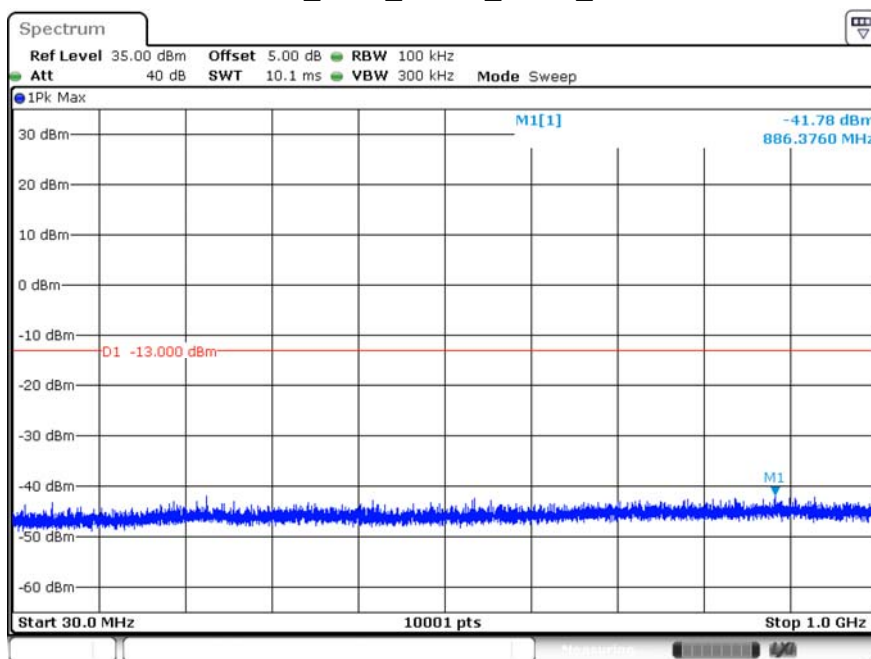
Product	LE910C1-ST		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 4: LTE Band 66		
Date of Test	2018/12/08	Test Site	SR10-H

### CH131979\_1.4M\_QPSK\_1RB0\_Under 1G



Date: 8 DEC.2018 10:25:47

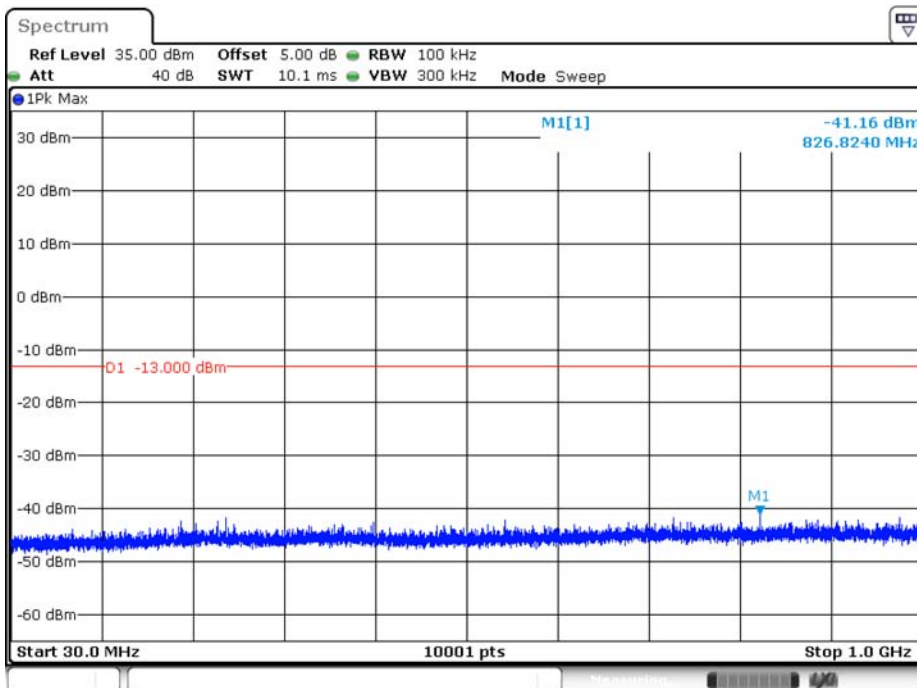
### CH132322\_1.4M\_QPSK\_1RB0\_Under 1G



Date: 8 DEC.2018 10:27:00

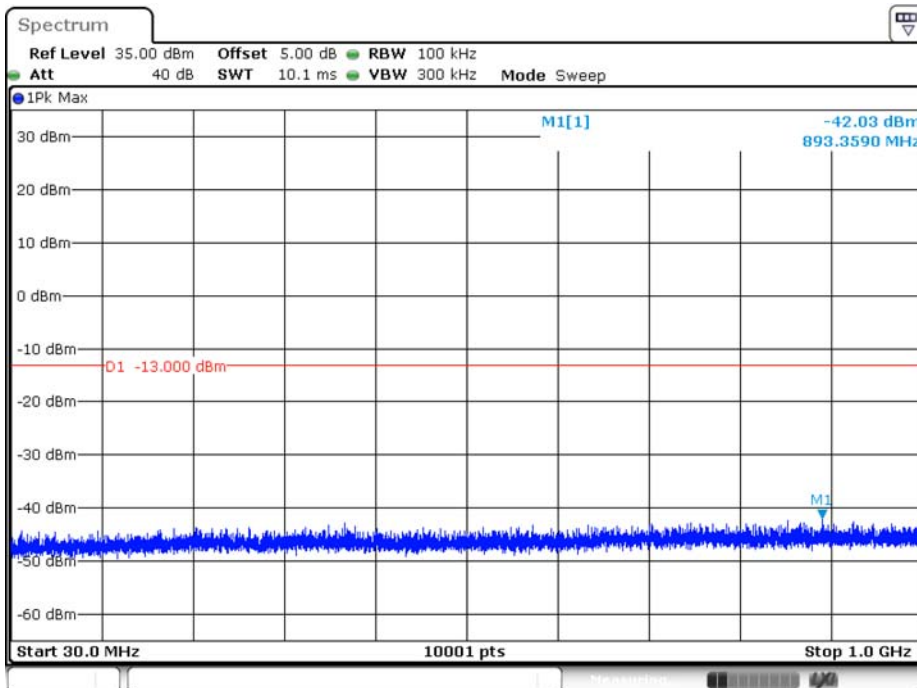


### CH132665\_1.4M\_QPSK\_1RB0\_Under 1G



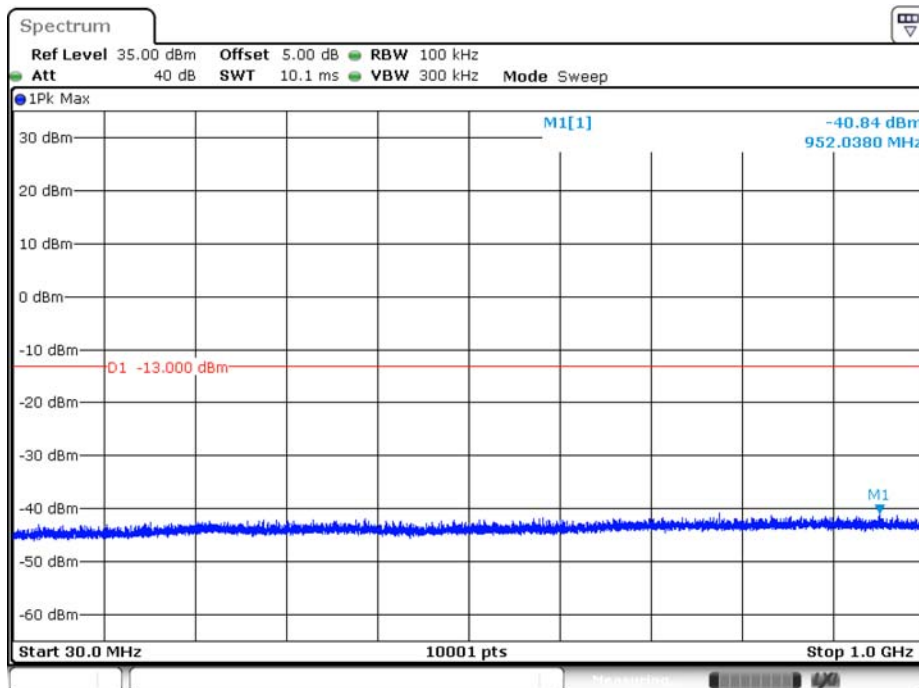
Date: 8.DEC.2018 10:27:41

### CH132072\_20M\_QPSK\_1RB0\_Under 1G



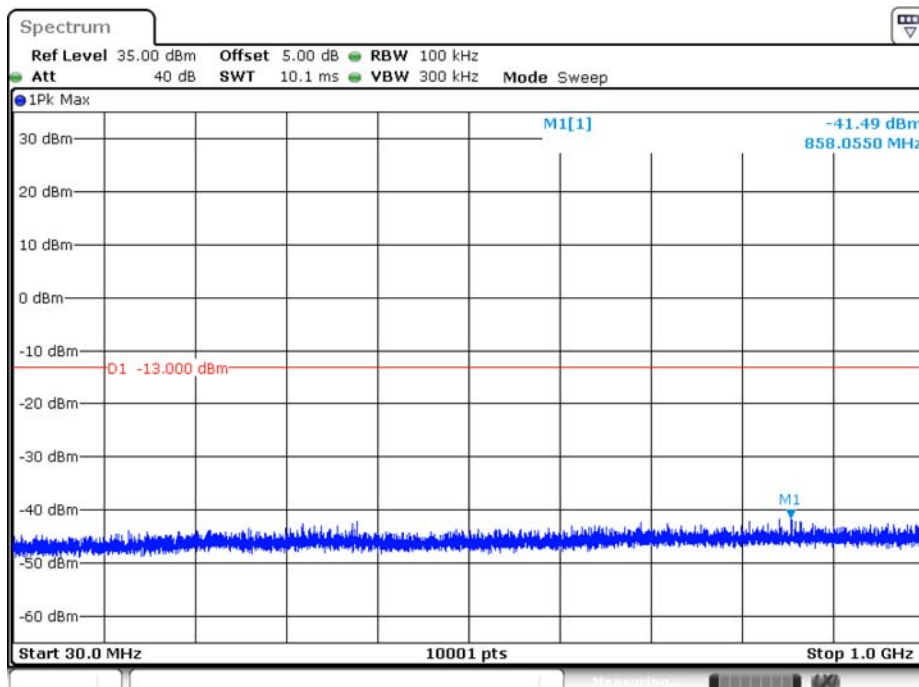
Date: 8.DEC.2018 10:28:09

### CH132322\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 10:42:12

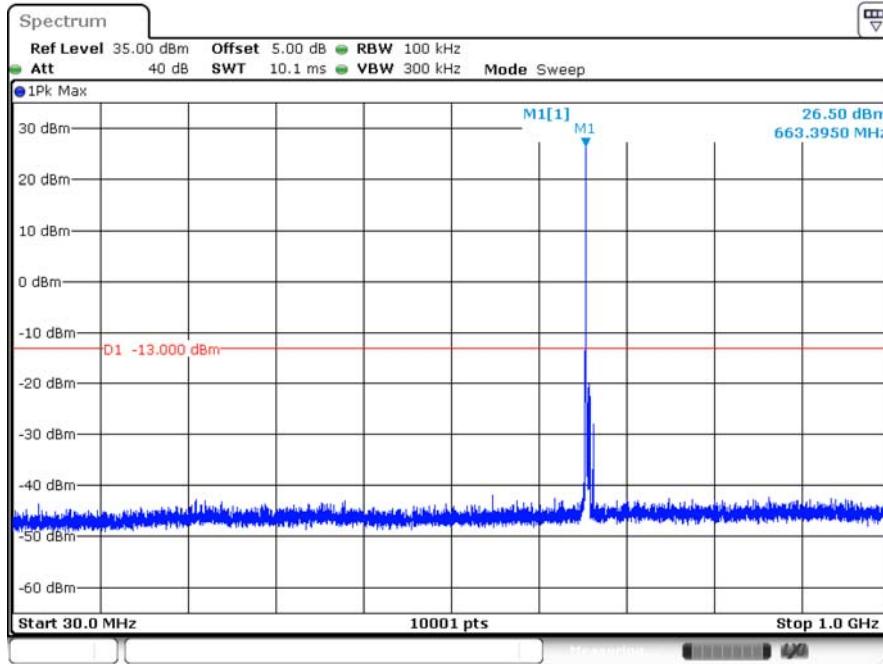
### CH132572\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 10:42:43

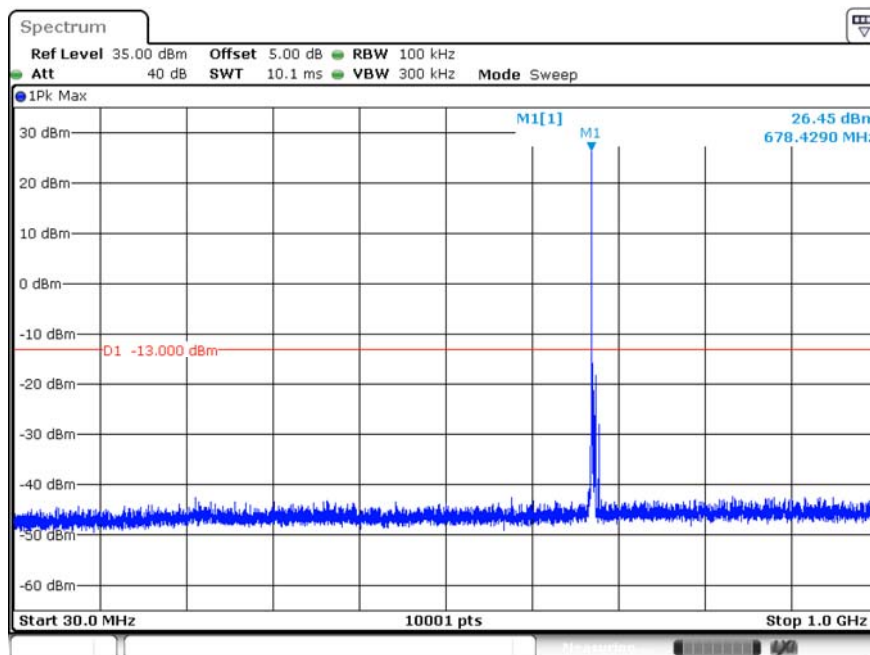
Product	LE910C1-ST		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 5: LTE Band 71		
Date of Test	2018/12/08	Test Site	SR10-H

### CH133147\_5M\_QPSK\_1RB0\_Under 1G



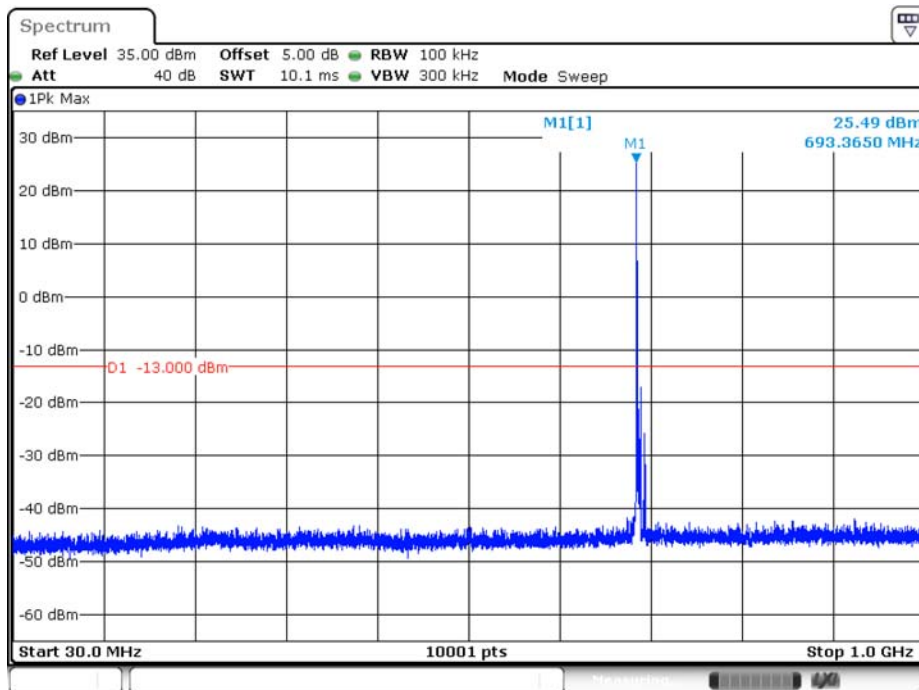
Date: 8 DEC.2018 12:23:17

### CH133297\_5M\_QPSK\_1RB0\_Under 1G



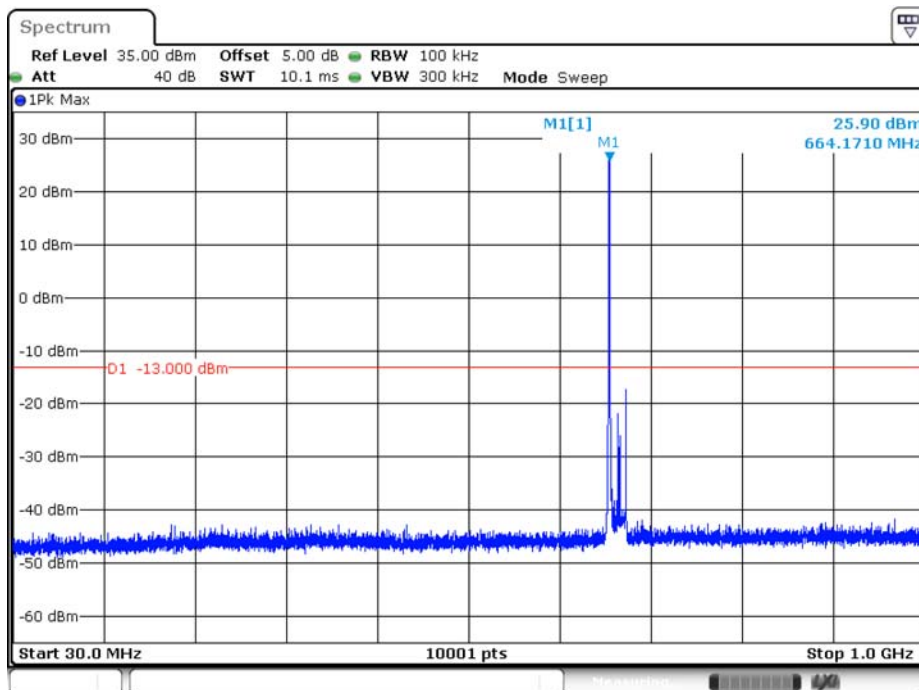
Date: 8 DEC.2018 12:24:10

### CH133447\_5M\_QPSK\_1RB0\_Under 1G



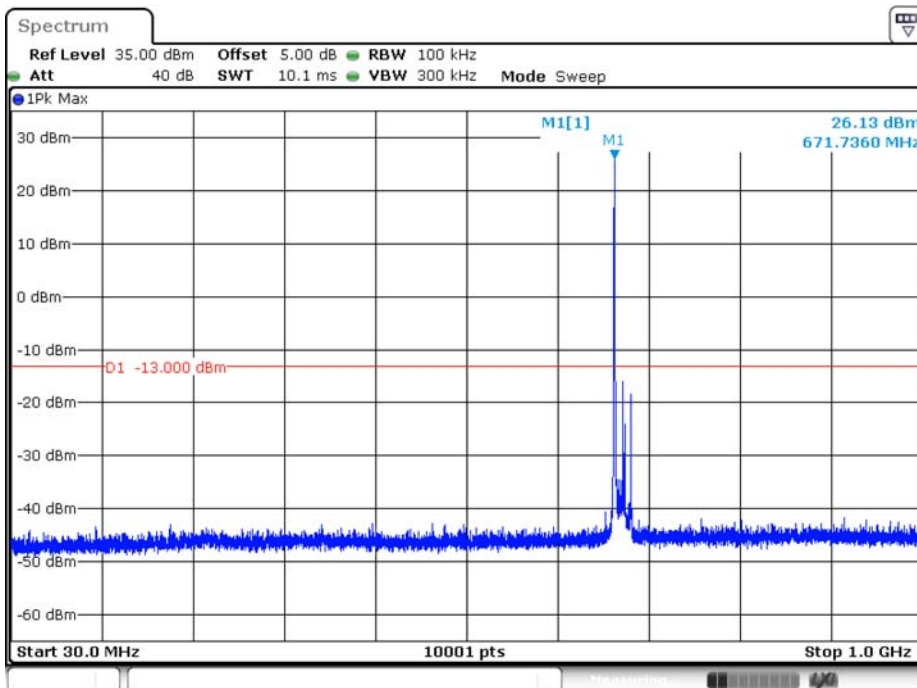
Date: 8.DEC.2018 12:24:39

### CH133222\_20M\_QPSK\_1RB0\_Under 1G



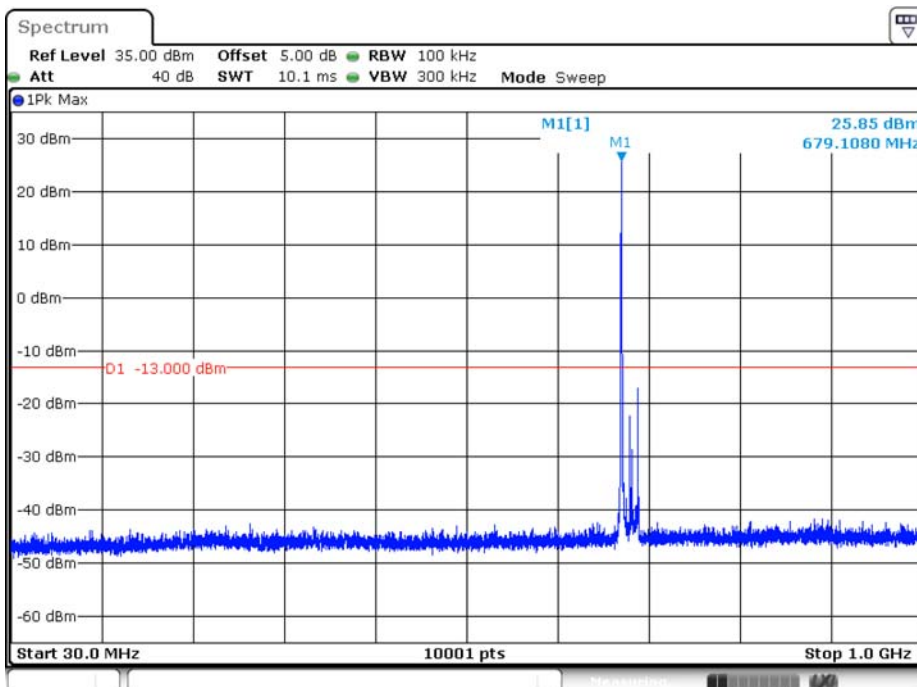
Date: 8.DEC.2018 12:25:14

### CH133297\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 12:25:43

### CH133371\_20M\_QPSK\_1RB0\_Under 1G



Date: 8.DEC.2018 12:26:23

Product	LE910C1-ST		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/12/10	Test Site	CB2-H

**LTE\_1.4M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18607 (1850.7MHz)								
3701.40	-55.380	H	-54.473	4.284	11.937	-46.820	-13	-33.820
5552.10	-53.990	H	-47.139	5.201	12.900	-39.440	-13	-26.440
3701.40	-55.490	V	-54.473	4.284	11.937	-46.820	-13	-33.820
5552.10	-54.470	V	-47.289	5.201	12.900	-39.590	-13	-26.590

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_1.4M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18900 (1880MHz)								
3760.00	-61.690	H	-60.527	4.335	11.832	-53.030	-13	-40.030
5640.00	-58.530	H	-51.335	5.235	12.900	-43.670	-13	-30.670
3760.00	-60.100	V	-58.767	4.335	11.832	-51.270	-13	-38.270
5640.00	-52.690	V	-45.335	5.235	12.900	-37.670	-13	-24.670

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_1.4M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19193 (1909.3MHz)								
3818.60	-63.290	H	-61.952	4.385	11.727	-54.610	-13	-41.610
5727.90	-55.830	H	-48.311	5.269	12.900	-40.680	-13	-27.680
3818.60	-60.880	V	-59.352	4.385	11.727	-52.010	-13	-39.010
5727.90	-49.780	V	-42.251	5.269	12.900	-34.620	-13	-21.620

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18700 (1860MHz)								
3720.00	-59.820	H	-58.794	4.300	11.904	-51.190	-13	-38.190
5580.00	-67.820	H	-60.868	5.212	12.900	-53.180	-13	-40.180
3720.00	-59.570	V	-58.404	4.300	11.904	-50.800	-13	-37.800
5580.00	-67.790	V	-60.568	5.212	12.900	-52.880	-13	-39.880

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18900 (1880MHz)								
3760.00	-59.470	H	-58.307	4.335	11.832	-50.810	-13	-37.810
5640.00	-61.370	H	-54.175	5.235	12.900	-46.510	-13	-33.510
3760.00	-59.830	V	-58.497	4.335	11.832	-51.000	-13	-38.000
5640.00	-61.300	V	-53.945	5.235	12.900	-46.280	-13	-33.280

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19100 (1900MHz)								
3800.00	-59.070	H	-57.771	4.369	11.760	-50.380	-13	-37.380
5700.00	-60.390	H	-52.971	5.259	12.900	-45.330	-13	-32.330
3800.00	-59.490	V	-57.991	4.369	11.760	-50.600	-13	-37.600
5700.00	-60.640	V	-53.161	5.259	12.900	-45.520	-13	-32.520

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LE910C1-ST		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2018/12/10	Test Site	CB2-H

#### LTE\_1.4M\_QPSK\_1RB0\_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19957 (1710.7MHz)								
3421.40	-64.070	H	-64.371	4.064	12.096	-56.340	-13	-43.340
5132.10	-64.800	H	-59.283	5.075	12.238	-52.120	-13	-39.120
3421.40	-59.040	V	-59.631	4.064	12.096	-51.600	-13	-38.600
5132.10	-58.480	V	-52.663	5.075	12.238	-45.500	-13	-32.500

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

#### LTE\_1.4M\_QPSK\_1RB0\_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.5MHz)								
3456.00	-60.210	H	-60.531	4.085	12.186	-52.430	-13	-39.430
5197.50	-53.900	H	-48.172	5.094	12.356	-40.910	-13	-27.910
3465.00	-59.340	V	-59.949	4.090	12.209	-51.830	-13	-38.830
5197.50	-54.270	V	-48.342	5.094	12.356	-41.080	-13	-28.080

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

#### LTE\_1.4M\_QPSK\_1RB0\_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20393 (1754.3MHz)								
3508.60	-64.290	H	-64.566	4.118	12.285	-56.400	-13	-43.400
5262.90	-60.360	H	-54.441	5.113	12.473	-47.080	-13	-34.080
3508.60	-60.130	V	-60.646	4.118	12.285	-52.480	-13	-39.480
5262.90	-50.690	V	-44.621	5.113	12.473	-37.260	-13	-24.260

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.



**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20050 (1720MHz)								
3440.00	-57.890	H	-58.209	4.075	12.144	-50.140	-13	-37.140
5160.00	-60.340	H	-54.725	5.083	12.288	-47.520	-13	-34.520
3440.00	-58.220	V	-58.829	4.075	12.144	-50.760	-13	-37.760
5160.00	-60.730	V	-54.855	5.083	12.288	-47.650	-13	-34.650

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_25M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.5MHz)								
3465.00	-58.950	H	-59.269	4.090	12.209	-51.150	-13	-38.150
5197.50	-60.860	H	-55.132	5.094	12.356	-47.870	-13	-34.870
3465.00	-58.070	V	-58.679	4.090	12.209	-50.560	-13	-37.560
5197.50	-60.780	V	-54.852	5.094	12.356	-47.590	-13	-34.590

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20300 (1745MHz)								
3465.00	-58.900	H	-59.219	4.090	12.209	-51.100	-13	-38.100
5235.00	-60.370	H	-54.528	5.105	12.423	-47.210	-13	-34.210
3490.00	-59.000	V	-59.579	4.105	12.274	-51.410	-13	-38.410
5235.00	-61.170	V	-55.178	5.105	12.423	-47.860	-13	-34.860

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LE910C1-ST		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 3: LTE Band 12		
Date of Test	2018/12/10	Test Site	CB2-H

**LTE\_1.4M\_QPSK\_1RB2\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23017 (699.7MHz)								
1399.40	-46.840	H	-49.465	2.572	7.817	-44.220	-13	-31.220
2099.10	-64.830	H	-67.540	3.179	9.959	-60.760	-13	-47.760
1399.40	-47.760	V	-51.755	2.572	7.817	-46.510	-13	-33.510
2099.10	-62.940	V	-66.450	3.179	9.959	-59.670	-13	-46.670

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_1.4M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23095 (707.5MHz)								
1415.00	-46.390	H	-49.087	2.585	7.892	-43.780	-13	-30.780
2122.50	-62.900	H	-65.111	3.195	9.996	-58.310	-13	-45.310
1415.00	-45.640	V	-49.737	2.585	7.892	-44.430	-13	-31.430
2122.50	-55.410	V	-58.491	3.195	9.996	-51.690	-13	-38.690

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_1.4M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23173 (715.3MHz)								
1430.60	-42.370	H	-45.139	2.598	7.967	-39.770	-13	-26.770
2145.90	-64.650	H	-66.352	3.211	10.033	-59.530	-13	-46.530
1430.60	-41.430	V	-45.629	2.598	7.967	-40.260	-13	-27.260
2145.90	-60.710	V	-63.362	3.211	10.033	-56.540	-13	-43.540

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_10M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23060 (704MHz)								
1408.00	-49.040	H	-51.699	2.579	7.858	-46.420	-13	-33.420
2112.00	-65.540	H	-67.982	3.188	9.979	-61.190	-13	-48.190
1408.00	-48.750	V	-52.789	2.579	7.858	-47.510	-13	-34.510
2112.00	-64.150	V	-67.432	3.188	9.979	-60.640	-13	-47.640

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_10M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23095 (707.5MHz)								
1415.00	-56.730	H	-59.427	2.585	7.892	-54.120	-13	-41.120
2122.50	-62.550	H	-64.761	3.195	9.996	-57.960	-13	-44.960
1415.00	-54.310	V	-58.407	2.585	7.892	-53.100	-13	-40.100
2122.50	-60.970	V	-64.051	3.195	9.996	-57.250	-13	-44.250

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_10M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23130 (711MHz)								
1422.00	-47.930	H	-50.655	2.591	7.926	-45.320	-13	-32.320
2133.00	-63.440	H	-65.421	3.202	10.013	-58.610	-13	-45.610
1422.00	-46.380	V	-50.525	2.591	7.926	-45.190	-13	-32.190
2133.00	-61.950	V	-64.841	3.202	10.013	-58.030	-13	-45.030

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LE910C1-ST		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 4: LTE Band 66		
Date of Test	2018/12/10	Test Site	CB2-H

**LTE\_1.4M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 131979 (1710.7MHz)								
3421.40	-52.920	H	-53.221	4.064	12.096	-45.190	-13	-32.190
5132.10	-64.420	H	-58.903	5.075	12.238	-51.740	-13	-38.740
3421.40	-59.010	V	-59.601	4.064	12.096	-51.570	-13	-38.570
5132.10	-58.340	V	-52.523	5.075	12.238	-45.360	-13	-32.360

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_1.4M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132322 (1745MHz)								
3490.00	-64.300	H	-64.619	4.105	12.274	-56.450	-13	-43.450
5235.00	-63.730	H	-57.888	5.105	12.423	-50.570	-13	-37.570
3490.00	-62.210	V	-62.789	4.105	12.274	-54.620	-13	-41.620
5235.00	-54.470	V	-48.478	5.105	12.423	-41.160	-13	-28.160

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_1.4M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132665 (1779.3MHz)								
3558.60	-59.660	H	-59.643	4.161	12.195	-51.610	-13	-38.610
5337.90	-61.260	H	-55.104	5.134	12.608	-47.630	-13	-34.630
3558.60	-55.300	V	-55.463	4.161	12.195	-47.430	-13	-34.430
5337.90	-54.630	V	-48.244	5.134	12.608	-40.770	-13	-27.770

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132072 (1720MHz)								
3440.00	-58.780	H	-59.099	4.075	12.144	-51.030	-13	-38.030
5160.00	-61.210	H	-55.595	5.083	12.288	-48.390	-13	-35.390
3440.00	-58.250	V	-58.859	4.075	12.144	-50.790	-13	-37.790
5160.00	-60.860	V	-54.985	5.083	12.288	-47.780	-13	-34.780

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132322 (1745MHz)								
3490.00	-59.560	H	-59.879	4.105	12.274	-51.710	-13	-38.710
5235.00	-60.870	H	-55.028	5.105	12.423	-47.710	-13	-34.710
3490.00	-59.070	V	-59.649	4.105	12.274	-51.480	-13	-38.480
5235.00	-60.210	V	-54.218	5.105	12.423	-46.900	-13	-33.900

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132572 (1770MHz)								
3540.00	-58.550	H	-58.643	4.145	12.228	-50.560	-13	-37.560
5310.00	-59.660	H	-53.592	5.126	12.558	-46.160	-13	-33.160
3540.00	-58.100	V	-58.193	4.145	12.228	-50.110	-13	-37.110
5310.00	-59.980	V	-53.912	5.126	12.558	-46.480	-13	-33.480

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LE910C1-ST		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 5: LTE Band 71		
Date of Test	2018/12/10	Test Site	CB2-H

#### LTE\_5M\_QPSK\_1RB0\_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 113147 (665.5MHz)								
1331.00	-60.000	H	-62.333	2.516	7.489	-57.360	-13	-44.360
1996.50	-60.250	H	-64.833	3.107	9.790	-58.150	-13	-45.150
1331.00	-57.630	V	-61.183	2.516	7.489	-56.210	-13	-43.210
1996.50	-58.890	V	-64.033	3.107	9.790	-57.350	-13	-44.350

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

#### LTE\_5M\_QPSK\_1RB0\_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133297 (680.5MHz)								
1361.20	-46.360	H	-48.823	2.541	7.634	-43.730	-13	-30.730
2041.80	-54.290	H	-58.228	3.139	9.867	-51.500	-13	-38.500
1361.20	-42.570	V	-46.313	2.541	7.634	-41.220	-13	-28.220
2041.80	-51.070	V	-55.618	3.139	9.867	-48.890	-13	-35.890

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

#### LTE\_5M\_QPSK\_1RB0\_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133447 (695.5MHz)								
1391.00	-58.000	H	-60.581	2.565	7.777	-55.370	-13	-42.370
2086.50	-64.760	H	-67.749	3.170	9.938	-60.980	-13	-47.980
1391.00	-57.360	V	-61.301	2.565	7.777	-56.090	-13	-43.090
2086.50	-64.590	V	-68.339	3.170	9.938	-61.570	-13	-48.570

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133222 (673MHz)								
1338.50	-57.360	H	-59.723	2.522	7.525	-54.720	-13	-41.720
2004.00	-58.700	H	-63.234	3.113	9.806	-56.540	-13	-43.540
1338.50	-55.900	V	-59.503	2.522	7.525	-54.500	-13	-41.500
2004.00	-58.620	V	-63.714	3.113	9.806	-57.020	-13	-44.020

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133297 (680.5MHz)								
1336.10	-57.490	H	-59.843	2.520	7.513	-54.850	-13	-41.850
2041.50	-59.190	H	-63.138	3.139	9.866	-56.410	-13	-43.410
1361.00	-52.870	V	-56.612	2.541	7.633	-51.520	-13	-38.520
2041.50	-55.740	V	-60.308	3.139	9.866	-53.580	-13	-40.580

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

**LTE\_20M\_QPSK\_1RB0\_Link**

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133371 (688MHz)								
1376.00	-53.860	H	-56.392	2.553	7.705	-51.240	-13	-38.240
2064.00	-56.590	H	-60.058	3.154	9.902	-53.310	-13	-40.310
1376.00	-52.880	V	-56.732	2.553	7.705	-51.580	-13	-38.580
2064.00	-55.950	V	-60.098	3.154	9.902	-53.350	-13	-40.350

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.