



FCC TEST REPORT

FCC ID: 2AP88-SC01

On Behalf of

Plegium AB

Plegium SafeConnect

Model No.: SC-01

Prepared for : Plegium AB
Address : Plegium AB, Kopmangatan 16, 735 31 Surahammar, Sweden

Prepared By : Shenzhen PSI Testing Co., Ltd.
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Report Number : psi2506010-C01-R04
Date of Receipt : June 4, 2025
Date of Test : June 5, 2025-July 16, 2025
Date of Report : July 16, 2025
Version Number : V0

TABLE OF CONTENTS

	Description	Page
1	TEST SUMMARY	5
2	GENERAL INFORMATION	6
2.1	GENERAL DESCRIPTION OF EUT	6
2.2	RELATED SUBMITTAL(S) / GRANT (S)	7
2.3	TEST METHODOLOGY	7
2.4	TEST FACILITY	7
2.5	ACCESSORIES OF DEVICE (EUT)	7
2.6	TESTED SUPPORTING SYSTEM DETAILS	7
2.7	TEST CONDITIONS	7
2.8	MEASUREMENT UNCERTAINTY	8
3	TEST INSTRUMENTS LIST	9
4	SYSTEM TEST CONFIGURATION	10
4.1	TEST MODE	10
4.2	CONFIGURATION OF TESTED SYSTEM	10
4.3	TRANSMITTER RADIATED POWER (EIRP/ERP)	11
4.4	PEAK-TO-AVERAGE RATIO	14
4.5	OCCUPY BANDWIDTH	15
4.6	MODULATION CHARACTERISTIC	16
4.7	OUT OF BAND EMISSION AT ANTENNA TERMINALS	16
4.8	FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT	17
4.9	FREQUENCY STABILITY	35
5	PHOTOS OF TEST SETUP	52
6	PHOTOS OF EUT	52

TEST REPORT DECLARATION

Applicant : Plegium AB
Address : Plegium AB, Kopmangatan 16, 735 31 Surahammar, Sweden
Manufacturer : Plegium AB
Address : Plegium AB, Kopmangatan 16, 735 31 Surahammar, Sweden
EUT Description : Plegium SafeConnect
(A) Model No. : SC-01
(B) Trademark : 

Measurement Standard Used:

FCC CFR Title 47 Part 2
FCC CFR Title 47 Part 22 Subpart H
FCC CFR Title 47 Part 24 Subpart E
FCC CFR Title 47 Part 27
ANSI C63.26:2015

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....:

Felix Pang

Test Engineer


.....

Approved by (name + signature).....:

Simple Guan

Project Manager


.....

Date of issue.....:

July 16, 2025

Revision History

Revision	Issue Date	Revisions	Revised By
V0	July 16, 2025	Initial released Issue	Felix Pang



1 Test Summary

Test Item	Section in CFR 47	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Pass* (Please refer to SAR Report)
Transmitter Radiated Power (EIRP/ERP)	Part 2.1046 part22.913(a) (5) Part 24.232 (c) Part 27.50 (d)(4) Part 27.50 (h)/(c)	Pass
Peak-To-Average Ratio	Part 2.1046 Part 22.913(d) Part 24.232 (d) Part 27.50(d) Part 27.50 (c)	Pass
Modulation Characteristics	Part 2.1047	N/A
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917 Part 24.238 Part 27.53(a)	Pass
Spurious Emissions at Antenna Terminal (Band edge, Conducted Spurious Emission)	Part 2.1051 Part 22.917 (a) Part 24.238 (a) Part 27.53 (h)/(m)/(g)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a) Part 27.53 (h)/(m)/(g)	Pass
Frequency stability	Part 2.1055(a)(1)(b) Part 2.1055(d)(1)(2) Part 27.54	Pass

Note: 1. Pass: The EUT complies with the essential requirements in the standard.

2. The conclusion of this test report is judged by actual test data without considering measurement uncertainty.

3. N/A indicates not applicable.

2 General Information

2.1 General Description of EUT

Description of Device (EUT)

Description : Plegium SafeConnect
Model Number : SC-01
Diff : N/A
Test Voltage : DC 3.7V from battery, DC 5V from Type-C

Support Networks	: NB-IOT
Support Band	: FDD LTE B2/B4/B5/B12/B13/B17/B26/B66
SCS	: 3.75KHz, 15KHz
Modulation Mode	: BPSK, QPSK
TX Frequency	LTE Band 2: 1850.1~1909.9MHz LTE Band 4: 1710.1~1754.9MHz LTE Band 5: 824.1~848.9MHz LTE Band 12: 699.1~715.9MHz LTE Band 13: 777.1~786.9MHz LTE Band 17: 704.1~715.9MHz LTE Band 26: 824.1~848.9MHz LTE Band 66: 1710.1~1779.9MHz
Antenna Description	Internal antenna. Maximum Gain is 3.0dBi(B2). Maximum Gain is 3.0dBi(B4). Maximum Gain is 1.9dBi(B5). Maximum Gain is 1.9dBi(B12). Maximum Gain is 1.9dBi(B13). Maximum Gain is 1.9dBi(B17). Maximum Gain is 1.9dBi(B26). Maximum Gain is 3.0dBi(B66).
Software version	: V1.0
Hardware version	: V1.0

Remark: The worst-case simultaneous transmission configuration was evaluated with no non-compliance found. Results in this report are only for 4G function, and there is no other transmitter involved.

2.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is filing to comply with Section Part 22 subpart H, Part 27 and Part 24 subpart E of the FCC CFR 47 Rules.

2.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures document on TIA/EIA 603 and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057

2.4 Test Facility

Shenzhen PSI Testing Co., Ltd.
1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 21, 2023 File on Federal Communication Commission
Registration Number: 916281

September 21, 2023 Certificated by IC
Registration Number: 31123
CAB identifier: CN0158

2.5 Accessories of Device (EUT)

Accessories : N/A
Manufacturer : N/A
Model : N/A
Ratings : N/A

2.6 Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification
1.	N/A	N/A	N/A	N/A	N/A

2.7 Test Conditions

Items	Required	Actual
Temperature range:	15-35℃	26℃
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

2.8 Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for Power point Conducted Emissions Test	2.17dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	3.5dB
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	2.74dB(Polarize: V)
	2.76dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 18GHz)	4.29dB(Polarize: V)
	4.82dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (18GHz to 40GHz)	4.31dB(Polarize: V)
	4.30dB(Polarize: H)
Uncertainty for radio frequency	48.24KHz
Uncertainty for conducted RF Power	0.41dB
Uncertainty for Power Spectral Density	0.39 dB
Occupied-Bandwidth	968Hz
Conducted-Spurious Emission	1.26dB

3 Test Instruments list

Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2022.12.20	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2024.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV216	102282	/	2024.12.18	1 Year
4.	L.I.S.N.#2	RFT	NNB111	13835240	/	2024.12.18	1 Year
5.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
6.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
7.	Spectrum Analyzer	Rohde&Schwarz	FSV-40N	101648	3.70	2024.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
9.	Amplifier	SKET	LAPA_01G1 8G-45dB	SK20220329 01	/	2024.12.18	1 Year
10.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
11.	Amplifier	SKET	LNPA_0118 G-45	SK20200108 01	/	2024.12.18	1 Year
12.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02 -1111533-Fz	/	2024.12.18	1 Year
13.	RF Sensor Unit	Tachoy	TR1029-2	20220428P0 08	/	2024.12.18	1 Year
14.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2024.12.18	1 Year
15.	Temp. & Humid Chamber	Auchno	9606	/	/	2024.12.18	1 Year
16.	Regulated DC Power Supply	Xinouhua	ADC120V10 A	20221125163 8	/	2024.12.18	1 Year
For Test Software Information							
Item	Software Name	Manufacturer			Version		
RE	EZ EMC	Farad			PSI-3A1		
CE	EZ EMC	Farad			PSI-3A1		

4 System test configuration

4.1 Test mode

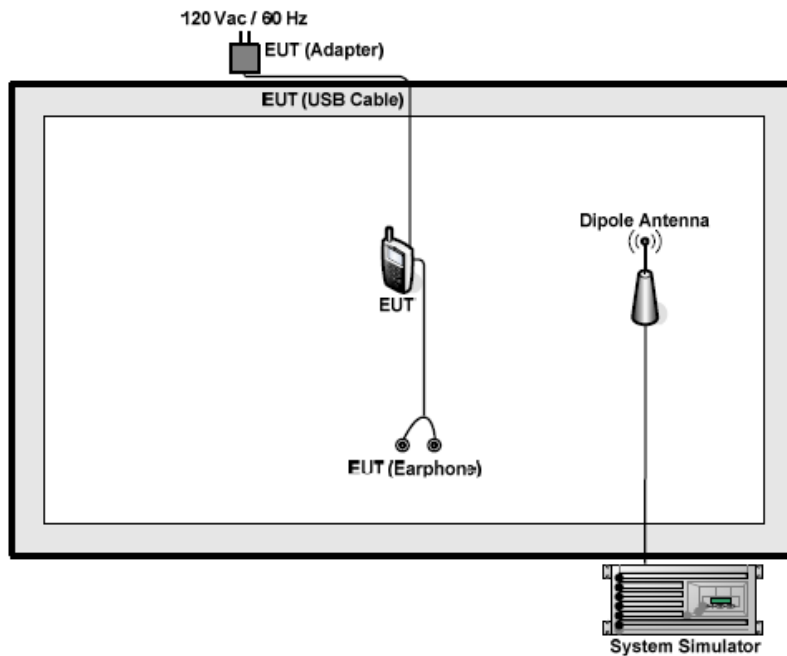
During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Test modes		
Band	Radiated	Conducted
LTE Band 2	■ QPSK link, BPSK link	■ QPSK link, BPSK link
LTE Band 4	■ QPSK link, BPSK link	■ QPSK link, BPSK link
LTE Band 5	■ QPSK link, BPSK link	■ QPSK link, BPSK link
LTE Band 12	■ QPSK link, BPSK link	■ QPSK link, BPSK link
LTE Band 13	■ QPSK link, BPSK link	■ QPSK link, BPSK link
LTE Band 17	■ QPSK link, BPSK link	■ QPSK link, BPSK link
LTE Band 26	■ QPSK link, BPSK link	■ QPSK link, BPSK link
LTE Band 66	■ QPSK link, BPSK link	■ QPSK link, BPSK link

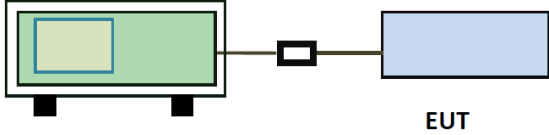
Note: Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas License Digital Systems v03r1 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

4.2 Configuration of Tested System



4.3 Transmitter Radiated Power (EIRP/ERP)

Test Requirement:	FCC part22.913(a) (5), FCC part24.232(b) and FCC Part 27.50 (d)(4)/(h)/(c)
Test Method:	ANSI C63.26:2015
Limit:	LTE Band 2: 2W(33.01dBm) LTE Band 4: 1W(30.00dBm) LTE Band 5: 7W(38.45dBm) LTE Band 12: 3W(34.77dBm) LTE Band 13: 3W(34.77dBm) LTE Band 17: 1W(30.00dBm) LTE Band 26: 7W(38.45dBm) LTE Band 66: 1W(30.00dBm)
Test setup:	 Communication tester EUT
Test Procedure:	Description of the Conducted Output Power Measurement The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. A system simulator is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported. The relevant equation for determining the conducted measured value is: Conducted Output Power Value (dBm) = Measured Value (dBm) + Path Loss (dB) where: Conducted Output Power Value = final conducted measured value in the conducted power test, in dBm; Measured Value = measured conducted power received by spectrum analyzer or power meter, in dBm; Path Loss = signal attenuation in the connecting cable between the transmitter and spectrum analyzer or power meter, including external cable loss, in dB; During the test, the data of Path Loss (dB) is added in the spectrum analyzer or power meter, so Measured Value (dBm) is the final values which contains the data of Path Loss (dB). For example: In the conducted output power test, when measured value for GSM850 is 24.7 dBm, and path loss is 8.5 dB, then final conducted output power value is: Conducted Output Power Value (dBm) = 24.7 dBm + 8.5 dB = 33.2 dBm Description of the Transmitter Radiated Power Measurement

In many cases, the RF output power limits for licensed digital transmission devices is specified in terms of effective radiated power (ERP) or equivalent isotropic radiated power (EIRP). Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are determined by adding the transmit antenna gain to the conducted RF output power with the primary difference between the two being that when determining the ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

Final measurement calculation as below:

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW; GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP); dBd (ERP)=dBi (EIRP) -2.15 dB

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

For example:

In the EIRP test, when PMeas value for GSM1900 is 30.2 dBm, LC is 0.6 dB, and GT is -3.4 dB, then final EIRP value is:

$$\text{EIRP for GSM1900} = 30.2 \text{ dBm} - 3.4 \text{ dBi} - 0.6 \text{ dB} = 26.2 \text{ dBm}$$

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm; Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

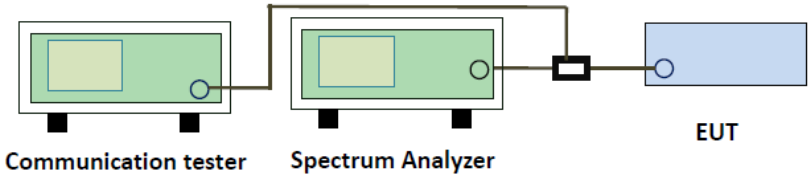
In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

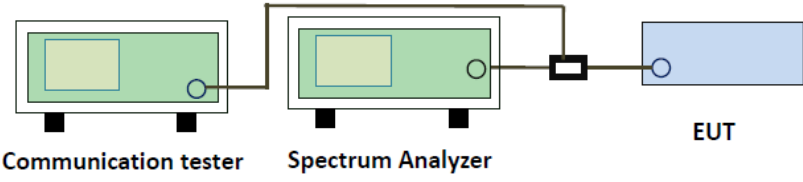
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX A for the test results)



4.4 Peak-to-Average Ratio

Test Requirement:	Part 22.913(d), FCC part24.232(d) and FCC part27.50(d)(5)/(c)
Test Method:	ANSI C63.26:2015
Test Limit:	Used complementary cumulative distribution function (CCDF) of analyzer to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time
Test setup:	 The diagram illustrates the test setup. On the left is a 'Communication tester' (green box). A cable connects its output to the input of a 'Spectrum Analyzer' (green box). The Spectrum Analyzer's output is connected to a power divider (black box), which then splits the signal to the 'EUT' (Equipment Under Test, blue box).
Test Procedure:	1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.7. 2. The EUT was connected to spectrum and system simulator via a power divider 3. Using the CCDF measurement of spectrum analyzer; 4. Set $RBW \geq OBW$ or specified reference bandwidth; 5. Set the number of counts to a value that stabilizes the measured CCDF curve; 6. Set the measurement interval as 1ms 7. Record the maximum PAPR level associated with a probability of 0.1%.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX B for the test results)

4.5 Occupy Bandwidth

Test Requirement:	FCC part22.913(a), FCC part24.232(b) and FCC part27.53(a)
Test Method:	ANSI C63.26:2015
Test setup:	 Communication tester Spectrum Analyzer EUT
Test Procedure:	1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer, set center frequency to channel center frequency. 2. RBW was set to about 1%-5% of emission OBW, $VBW \geq 3 \times RBW$. 3. Set spectrum analyzer detection mode to peak, and the trace mode to max hold. 4. Use the 99% OBW function, The 99% power OBW can be found on the plot, determine the "-26dB amplitude" as equal to reference value -26dB.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX C for the test results)

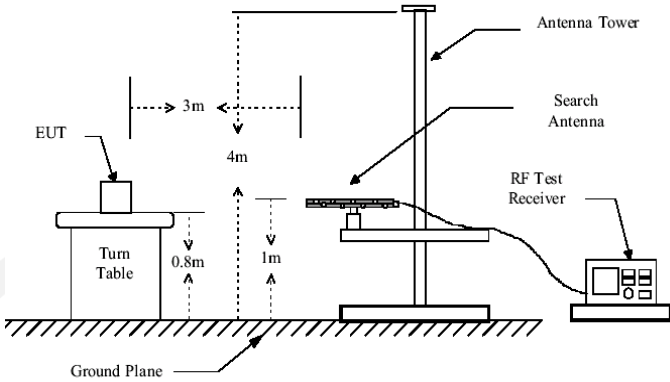
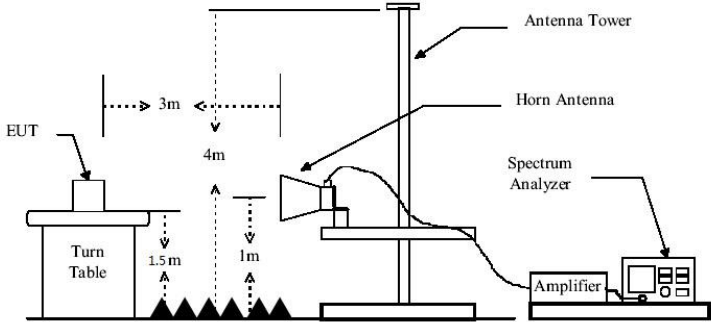
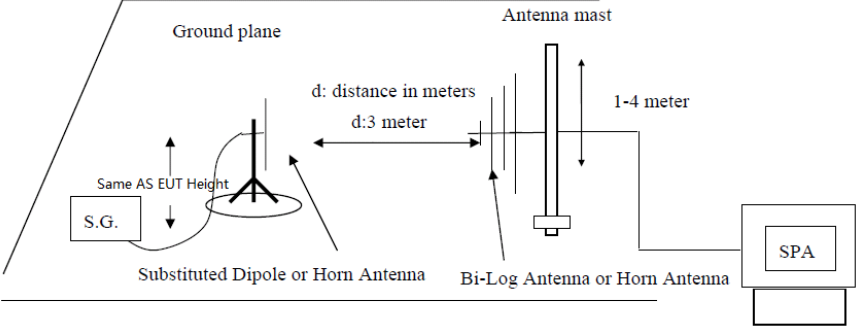
4.6 MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 24E & Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

4.7 Out of band emission at antenna terminals

Test Requirement:	FCC part 22.913(a), FCC part 24.238(a), FCC part 27.53(h)/(m)/(g)
Test Method:	ANSI C63.26:2015
Limit:	-13dBm Band 7/38/41: -25dBm
Test setup:	Communication tester Spectrum Analyzer EUT
Test Procedure:	1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic. 3. For the out of band: Set the RBW=1MHz, VBW = 3MHz, Start=30MHz, Stop= 10th harmonic. 4. Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass (Please refer to ANNEX D&E for the test results)

4.8 Field strength of spurious radiation measurement

Test Requirement:	FCC part 22.913(a), FCC part 24.238(a), FCC part 27.53(h)/(m)/(g)
Test Method:	ANSI C63.26:2015
Limit:	Band 2/4/5/12/13/17/26/66:-13dBm Band 13: -40dBm(1559-1610MHz) Band 7/38/41:-25dBm
Test setup:	Below 1GHz  Above 1GHz  Substituted method: 

Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Measurement Data(Worst case): SCC 15KHz and SCS 3.75KHz have both been tested, and the report reflects the data of the worst mode.

QPSK Mode:

Test mode:	LTE Band 2(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3862.73	Vertical	-36.31	-13.00	Pass
5792.19	V	-39.64		
7722.30	V	-37.56		
9654.11	V	-43.15		
11584.23	V	-37.68		
3862.28	Horizontal	-39.53	-13.00	Pass
5791.16	H	-43.06		
7722.34	H	-45.02		
9652.04	H	-45.58		
11585.41	H	-37.98		
Test mode:	LTE Band 2(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3920.32	Vertical	-36.48	-13.00	Pass
5880.28	V	-39.47		
7839.26	V	-38.48		
9799.61	V	-43.03		
11760.10	V	-38.13		
3919.68	Horizontal	-38.98	-13.00	Pass
5880.37	H	-42.52		
7839.83	H	-45.26		
9800.09	H	-45.62		
11759.75	H	-38.07		
Test mode:	LTE Band 2(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3978.97	Vertical	-37.04	-13.00	Pass
5968.58	V	-39.53		
7956.52	V	-37.82		
9945.91	V	-43.25		
11935.92	V	-37.63		
3978.71	Horizontal	-38.66	-13.00	Pass
5967.54	H	-42.77		
7957.08	H	-45.36		
9947.24	H	-46.26		
11935.27	H	-37.69		

Test mode:	LTE Band 4(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4220.98	Vertical	-37.03	-13.00	Pass
6332.66	V	-39.81		
8441.33	V	-38.08		
10553.88	V	-43.60		
12665.45	V	-37.66		
4220.92	Horizontal	-39.55	-13.00	Pass
6332.12	H	-42.27		
8442.60	H	-44.64		
10553.50	H	-45.75		
12663.24	H	-38.21		
Test mode:	LTE Band 4(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4264.69	Vertical	-36.59	-13.00	Pass
6397.89	V	-39.94		
8529.59	V	-38.18		
10661.77	V	-43.68		
12794.35	V	-37.70		
4265.27	Horizontal	-39.37	-13.00	Pass
6397.77	H	-42.38		
8530.15	H	-44.59		
10662.99	H	-46.44		
12795.66	H	-38.05		
Test mode:	LTE Band 4(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4307.91	Vertical	-36.65	-13.00	Pass
6462.86	V	-39.36		
8617.90	V	-37.69		
10771.15	V	-43.37		
12925.45	V	-38.42		
4309.14	Horizontal	-38.60	-13.00	Pass
6462.16	H	-42.41		
8617.21	H	-45.32		
10771.59	H	-45.69		
12925.16	H	-37.61		

Test mode:	LTE Band 5(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1739.00	Vertical	-36.42	-13.00	Pass
2610.51	V	-36.75		
3479.78	V	-36.61		
4349.77	V	-38.40		
5218.38	V	-38.64		
1738.48	Horizontal	-36.91	-13.00	Pass
2610.23	H	-36.97		
3478.66	H	-37.26		
4347.36	H	-37.83		
5218.69	H	-37.95		
Test mode:	LTE Band 5(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1763.59	Vertical	-36.49	-13.00	Pass
2644.12	V	-37.30		
3526.28	V	-36.73		
4407.07	V	-38.36		
5288.94	V	-38.40		
1762.26	Horizontal	-37.03	-13.00	Pass
2644.41	H	-36.81		
3526.24	H	-36.87		
4408.16	H	-38.30		
5289.43	H	-38.31		
Test mode:	LTE Band 5(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1786.27	Vertical	-36.73	-13.00	Pass
2680.28	V	-36.53		
3572.68	V	-36.63		
4467.17	V	-37.73		
5359.69	V	-38.69		
1787.26	Horizontal	-36.92	-13.00	Pass
2680.09	H	-36.54		
3573.93	H	-37.44		
4466.98	H	-38.20		
5360.07	H	-38.36		

Test mode:	LTE Band 12(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1460.00	Vertical	-36.10	-13.00	Pass
2188.76	V	-36.86		
2919.58	V	-37.09		
3647.65	V	-37.85		
4377.52	V	-38.39		
1459.78	Horizontal	-36.77	-13.00	Pass
2190.35	H	-36.43		
2917.80	H	-37.11		
3649.74	H	-38.56		
4378.53	H	-37.87		
Test mode:	LTE Band 12(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1474.29	Vertical	-36.34	-13.00	Pass
2211.91	V	-37.08		
2949.97	V	-36.86		
3687.59	V	-38.17		
4424.49	V	-38.27		
1474.44	Horizontal	-36.93	-13.00	Pass
2212.03	H	-36.62		
2950.34	H	-37.12		
3687.94	H	-37.85		
4424.36	H	-37.74		
Test mode:	LTE Band 12(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1490.71	Vertical	-36.68	-13.00	Pass
2235.23	V	-36.71		
2981.78	V	-37.49		
3727.07	V	-38.23		
4471.14	V	-38.68		
1491.14	Horizontal	-37.01	-13.00	Pass
2236.09	H	-36.88		
2981.68	H	-36.87		
3726.84	H	-38.58		
4471.88	H	-38.25		

Test mode:	LTE Band 13(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1497.36	Vertical	-47.53	-40.00	Pass
2245.89	V	-36.46	-13.00	Pass
2994.95	V	-34.82		
3743.26	V	-31.55		
4491.89	V	-29.38		
1496.63	Horizontal	-48.19	-40.00	Pass
2244.29	H	-34.76	-13.00	Pass
2994.87	H	-31.84		
3742.11	H	-30.04		
4489.56	H	-38.68		
Test mode:	LTE Band 13(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1501.77	Vertical	-48.02	-40.00	Pass
2252.51	V	-36.33	-13.00	Pass
3004.02	V	-34.76		
3754.75	V	-32.49		
4505.39	V	-29.86		
1501.46	Horizontal	-47.94	-40.00	Pass
2253.11	H	-35.59	-13.00	Pass
3004.09	H	-32.31		
3755.03	H	-30.78		
4505.57	H	-38.62		
Test mode:	LTE Band 13(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1506.57	Vertical	-48.03	-40.00	Pass
2260.77	V	-35.74	-13.00	Pass
3013.45	V	-35.11		
3767.14	V	-31.88		
4520.27	V	-29.80		
1507.11	Horizontal	-48.67	-40.00	Pass
2261.17	H	-35.61	-13.00	Pass
3014.43	H	-32.13		
3767.96	H	-30.51		
4521.22	H	-39.01		

Test mode:	LTE Band 17(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1474.34	Vertical	-37.08	-13.00	Pass
2209.26	V	-36.96		
2945.24	V	-37.56		
3683.21	V	-37.79		
4419.45	V	-38.20		
1473.86	Horizontal	-36.72	-13.00	Pass
2208.21	H	-36.67		
2945.02	H	-37.54		
3682.24	H	-38.47		
4419.38	H	-38.20		
Test mode:	LTE Band 17(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1480.57	Vertical	-36.49	-13.00	Pass
2220.65	V	-36.73		
2960.50	V	-37.35		
3700.00	V	-38.54		
4440.50	V	-38.20		
1479.32	Horizontal	-36.52	-13.00	Pass
2219.64	H	-36.94		
2960.38	H	-37.49		
3699.73	H	-37.74		
4440.19	H	-38.20		
Test mode:	LTE Band 17(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1487.33	Vertical	-36.49	-13.00	Pass
2229.83	V	-37.28		
2973.54	V	-36.97		
3718.06	V	-38.62		
4461.11	V	-38.20		
1487.08	Horizontal	-36.39	-13.00	Pass
2230.44	H	-36.71		
2973.46	H	-36.94		
3717.10	H	-38.38		
4461.22	H	-38.20		

Test mode:	LTE Band 26(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1647.05	Vertical	-36.56	-13.00	Pass
2471.31	V	-37.36		
3296.94	V	-37.48		
4120.41	V	-38.11		
4943.22	V	-38.20		
1649.40	Horizontal	-37.05	-13.00	Pass
2471.45	H	-37.38		
3295.51	H	-36.72		
4121.42	H	-37.98		
4944.21	H	-38.20		
Test mode:	LTE Band 26(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1673.40	Vertical	-37.01	-13.00	Pass
2508.87	V	-37.20		
3346.04	V	-37.20		
4181.75	V	-38.14		
5018.56	V	-38.20		
1673.44	Horizontal	-37.10	-13.00	Pass
2508.98	H	-37.32		
3346.14	H	-37.51		
4182.28	H	-38.58		
5019.30	H	-38.20		
Test mode:	LTE Band 26(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1697.81	Vertical	-36.23	-13.00	Pass
2546.15	V	-36.52		
3396.28	V	-37.06		
4244.56	V	-38.59		
5092.82	V	-38.20		
1697.06	Horizontal	-37.06	-13.00	Pass
2546.66	H	-37.12		
3395.83	H	-36.81		
4244.23	H	-38.07		
5093.17	H	-38.20		

Test mode:	LTE Band 66(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4222.61	Vertical	-36.94	-13.00	Pass
6331.36	V	-39.73		
8443.25	V	-37.73		
10553.43	V	-43.79		
12665.18	V	-37.84		
4222.87	Horizontal	-39.49	-13.00	Pass
6332.46	H	-42.51		
8443.70	H	-44.69		
10552.28	H	-46.07		
12664.51	H	-38.60		
Test mode:	LTE Band 66(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4264.86	Vertical	-37.20	-13.00	Pass
6397.81	V	-39.23		
8530.01	V	-38.18		
10661.86	V	-43.58		
12794.70	V	-38.63		
4265.73	Horizontal	-39.16	-13.00	Pass
6397.71	H	-42.77		
8529.77	H	-45.26		
10662.26	H	-45.73		
12795.21	H	-38.33		
Test mode:	LTE Band 66(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4308.98	Vertical	-36.77	-13.00	Pass
6462.51	V	-39.81		
8617.43	V	-38.14		
10771.82	V	-43.31		
12925.53	V	-38.62		
4309.05	Horizontal	-38.87	-13.00	Pass
6463.42	H	-42.14		
8616.83	H	-44.83		
10771.43	H	-45.80		
12926.20	H	-38.40		

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

BPSK Mode:

Test mode:	LTE Band 2(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3861.34	Vertical	-37.25	-13.00	Pass
5790.91	V	-39.81		
7722.38	V	-37.68		
9654.87	V	-43.45		
11583.21	V	-38.33		
3860.57	Horizontal	-39.41	-13.00	Pass
5791.92	H	-42.88		
7722.40	H	-44.41		
9653.46	H	-45.60		
11583.49	H	-37.84		
Test mode:	LTE Band 2(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3920.52	Vertical	-36.35	-13.00	Pass
5880.32	V	-39.24		
7840.72	V	-37.97		
9799.40	V	-43.52		
11760.49	V	-37.52		
3919.35	Horizontal	-38.63	-13.00	Pass
5880.05	H	-42.28		
7839.48	H	-45.06		
9800.34	H	-46.33		
11759.99	H	-38.11		
Test mode:	LTE Band 2(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3978.43	Vertical	-36.95	-13.00	Pass
5967.75	V	-39.23		
7956.70	V	-37.67		
9946.67	V	-43.35		
11936.31	V	-38.08		
3978.47	Horizontal	-39.41	-13.00	Pass
5967.87	H	-42.89		
7956.86	H	-45.27		
9946.74	H	-45.65		
11936.16	H	-37.75		

Test mode:	LTE Band 4(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4220.36	Vertical	-36.51	-13.00	Pass
6332.77	V	-39.48		
8443.96	V	-37.88		
10553.02	V	-43.43		
12665.48	V	-37.73		
4221.40	Horizontal	-39.50	-13.00	Pass
6331.53	H	-42.90		
8442.95	H	-45.22		
10552.41	H	-45.61		
12665.15	H	-38.09		
Test mode:	LTE Band 4(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4264.66	Vertical	-36.42	-13.00	Pass
6397.09	V	-39.85		
8530.55	V	-37.50		
10662.91	V	-42.98		
12794.67	V	-37.67		
4264.73	Horizontal	-39.42	-13.00	Pass
6397.06	H	-42.21		
8529.33	H	-45.31		
10662.97	H	-46.02		
12795.43	H	-37.90		
Test mode:	LTE Band 4(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4309.16	Vertical	-36.65	-13.00	Pass
6463.22	V	-39.69		
8617.84	V	-38.30		
10771.98	V	-43.37		
12925.87	V	-38.21		
4307.95	Horizontal	-38.91	-13.00	Pass
6462.24	H	-42.68		
8617.45	H	-45.07		
10771.98	H	-45.56		
12925.42	H	-38.41		

Test mode:	LTE Band 5(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1739.98	Vertical	-37.04	-13.00	Pass
2607.93	V	-36.67		
3477.57	V	-36.90		
4347.60	V	-38.01		
5217.92	V	-37.72		
1738.37	Horizontal	-36.50	-13.00	Pass
2609.16	H	-37.04		
3478.78	H	-36.85		
4349.63	H	-37.81		
5217.85	H	-37.88		
Test mode:	LTE Band 5(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1763.67	Vertical	-36.87	-13.00	Pass
2644.22	V	-36.84		
3526.51	V	-37.36		
4408.03	V	-38.57		
5289.53	V	-37.82		
1762.33	Horizontal	-36.40	-13.00	Pass
2644.51	H	-36.60		
3526.18	H	-37.05		
4406.83	H	-38.52		
5289.55	H	-38.20		
Test mode:	LTE Band 5(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1786.04	Vertical	-36.78	-13.00	Pass
2679.48	V	-36.97		
3573.45	V	-37.15		
4467.24	V	-38.07		
5360.06	V	-38.24		
1786.40	Horizontal	-36.67	-13.00	Pass
2680.50	H	-36.44		
3573.38	H	-37.07		
4466.69	H	-38.49		
5359.61	H	-38.31		

Test mode:	LTE Band 12(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1460.64	Vertical	-36.49	-13.00	Pass
2188.44	V	-36.92		
2918.76	V	-37.60		
3649.61	V	-37.98		
4376.91	V	-37.96		
1458.44	Horizontal	-37.04	-13.00	Pass
2188.36	H	-36.64		
2918.88	H	-36.90		
3647.19	H	-37.74		
4377.97	H	-37.76		
Test mode:	LTE Band 12(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1475.12	Vertical	-37.02	-13.00	Pass
2212.78	V	-36.62		
2950.72	V	-37.06		
3688.21	V	-38.01		
4424.51	V	-38.53		
1474.88	Horizontal	-36.94	-13.00	Pass
2212.61	H	-36.94		
2950.49	H	-37.45		
3688.07	H	-37.77		
4425.47	H	-38.13		
Test mode:	LTE Band 12(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1490.16	Vertical	-36.93	-13.00	Pass
2236.56	V	-37.39		
2981.00	V	-37.47		
3725.90	V	-37.78		
4472.38	V	-38.60		
1490.16	Horizontal	-36.54	-13.00	Pass
2235.27	H	-36.61		
2981.31	H	-37.05		
3726.96	H	-38.22		
4472.21	H	-38.07		

Test mode:	LTE Band 13(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1498.10	Vertical	-47.90	-40.00	Pass
2244.47	V	-36.64	-13.00	Pass
2993.30	V	-34.41		
3742.27	V	-32.32		
4492.01	V	-29.66		
1495.82	Horizontal	-48.16	-40.00	Pass
2244.05	H	-35.35	-13.00	Pass
2993.81	H	-31.60		
3742.64	H	-30.22		
4491.05	H	-38.43		
Test mode:	LTE Band 13(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1502.70	Vertical	-48.03	-40.00	Pass
2252.34	V	-36.20	-13.00	Pass
3004.05	V	-34.95		
3754.98	V	-32.42		
4505.81	V	-29.18		
1501.27	Horizontal	-48.49	-40.00	Pass
2253.26	H	-35.43	-13.00	Pass
3003.45	H	-32.41		
3755.56	H	-30.74		
4505.89	H	-38.82		
Test mode:	LTE Band 13(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1507.58	Vertical	-47.79	-40.00	Pass
2259.85	V	-35.94	-13.00	Pass
3014.65	V	-34.42		
3767.48	V	-31.74		
4521.53	V	-29.47		
1506.82	Horizontal	-48.71	-40.00	Pass
2260.14	H	-34.92	-13.00	Pass
3013.52	H	-31.46		
3767.11	H	-30.94		
4521.36	H	-39.27		

Test mode:	LTE Band 17(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1472.78	Vertical	-36.29	-13.00	Pass
2210.50	V	-37.20		
2945.65	V	-36.79		
3682.19	V	-38.59		
4418.43	V	-38.20		
1473.08	Horizontal	-36.53	-13.00	Pass
2209.10	H	-36.50		
2946.01	H	-37.40		
3683.10	H	-37.95		
4419.19	H	-38.20		
Test mode:	LTE Band 17(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1480.02	Vertical	-36.97	-13.00	Pass
2220.00	V	-36.91		
2960.11	V	-37.22		
3700.16	V	-38.19		
4439.40	V	-38.20		
1479.31	Horizontal	-36.85	-13.00	Pass
2219.95	H	-36.80		
2959.46	H	-37.53		
3699.59	H	-38.24		
4439.74	H	-38.20		
Test mode:	LTE Band 17(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1487.54	Vertical	-36.65	-13.00	Pass
2230.88	V	-36.46		
2974.00	V	-37.21		
3717.04	V	-37.72		
4460.73	V	-38.20		
1487.36	Horizontal	-36.42	-13.00	Pass
2230.65	H	-37.32		
2973.97	H	-37.42		
3717.85	H	-38.45		
4461.67	H	-38.20		

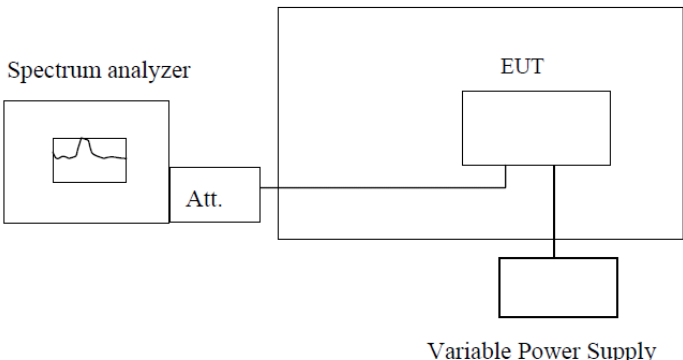
Test mode:	LTE Band 26(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1648.75	Vertical	-36.73	-13.00	Pass
2472.29	V	-37.21		
3296.85	V	-37.01		
4119.32	V	-38.66		
4944.50	V	-38.20		
1646.88	Horizontal	-36.68	-13.00	Pass
2472.17	H	-36.88		
3295.10	H	-36.81		
4121.72	H	-37.77		
4945.67	H	-38.20		
Test mode:	LTE Band 26(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1673.66	Vertical	-36.65	-13.00	Pass
2509.06	V	-36.79		
3346.18	V	-37.44		
4182.37	V	-38.48		
5018.62	V	-38.20		
1673.53	Horizontal	-36.45	-13.00	Pass
2510.12	H	-36.69		
3345.96	H	-37.20		
4181.94	H	-38.34		
5019.72	H	-38.20		
Test mode:	LTE Band 26(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1697.86	Vertical	-36.46	-13.00	Pass
2546.69	V	-37.16		
3395.32	V	-36.71		
4243.79	V	-38.10		
5093.91	V	-38.20		
1698.05	Horizontal	-36.85	-13.00	Pass
2546.94	H	-36.90		
3394.86	H	-37.60		
4244.19	H	-38.69		
5092.72	H	-38.20		

Test mode:	LTE Band 66(SCS: 15KHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4221.70	Vertical	-37.15	-13.00	Pass
6330.91	V	-39.28		
8442.75	V	-38.24		
10552.26	V	-43.12		
12665.49	V	-37.74		
4219.99	Horizontal	-39.56	-13.00	Pass
6333.56	H	-42.75		
8444.11	H	-44.50		
10552.39	H	-45.88		
12664.33	H	-38.49		
Test mode:	LTE Band 66(SCS: 15KHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4265.08	Vertical	-36.52	-13.00	Pass
6398.24	V	-39.22		
8530.54	V	-37.56		
10661.81	V	-42.85		
12794.41	V	-37.78		
4265.26	Horizontal	-39.45	-13.00	Pass
6396.86	H	-42.85		
8530.30	H	-44.59		
10662.61	H	-46.43		
12795.57	H	-37.86		
Test mode:	LTE Band 66(SCS: 15KHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4308.11	Vertical	-37.16	-13.00	Pass
6462.24	V	-39.18		
8616.70	V	-38.00		
10771.46	V	-43.18		
12925.28	V	-38.56		
4308.69	Horizontal	-38.68	-13.00	Pass
6463.13	H	-42.34		
8617.90	H	-45.11		
10770.86	H	-45.71		
12925.69	H	-38.46		

Remark:

- 1 The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

4.9 Frequency stability

Test Requirement:	FCC Part 2.1055(a)(1)(b), FCC Part 2.1055(d)(1)(2), FCC Part 27.54
Test Method:	ANSI C63.26:2015
Limit:	2.5ppm(Part 22) Within the authorized bands of operation(Part 24, Part 27)
Test setup:	Temperature Chamber  Variable Power Supply Note : Measurement setup for testing on Antenna connector
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

NB-IoT Band 2 (QPSK) / 1880MHz / 3.75KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-7	-0.0040	2.5ppm	PASS
80		8	0.0043		
70		-32	-0.0172		
60		-34	-0.0181		
50		-33	-0.0178		
40		-29	-0.0154		
30		-33	-0.0174		
20		-20	-0.0107		
10		12	0.0066		
0		14	0.0076		
-10		23	0.0121		
-20		24	0.0130		
-30		17	0.0090		
-40		38	0.0201		
25	Maximum Voltage	-34	-0.0180	2.5ppm	PASS
25	BEP	-12	-0.0064		

NB-IoT Band 2 (QPSK) / 1880MHz /15KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-8	-0.0040	2.5ppm	PASS
80		7	0.0035		
70		-30	-0.0161		
60		-34	-0.0180		
50		-34	-0.0179		
40		-27	-0.0143		
30		-28	-0.0148		
20		-18	-0.0093		
10		8	0.0041		
0		19	0.0103		
-10		23	0.0121		
-20		24	0.0127		
-30		18	0.0098		
-40		35	0.0188		
25	Maximum Voltage	-30	-0.0160	2.5ppm	PASS
25	BEP	-17	-0.0090		

NB-IoT Band 2 (QPSK) / 1880MHz / 3.75KHz/1@47					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-11	-0.0059	2.5ppm	PASS
80		4	0.0020		
70		-30	-0.0161		
60		-32	-0.0168		
50		-33	-0.0176		
40		-27	-0.0144		
30		-31	-0.0163		
20		-18	-0.0096		
10		11	0.0060		
0		16	0.0084		
-10		21	0.0114		
-20		24	0.0130		
-30		16	0.0085		
-40		35	0.0187		
25	Maximum Voltage	-35	-0.0185		
25	BEP	-14	-0.0077		

NB-IoT Band 2 (QPSK) / 1880MHz /15KHz/1@11					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-9	-0.0049	2.5ppm	PASS
80		4	0.0021		
70		-28	-0.0147		
60		-36	-0.0191		
50		-34	-0.0180		
40		-31	-0.0167		
30		-27	-0.0145		
20		-18	-0.0096		
10		10	0.0052		
0		19	0.0104		
-10		23	0.0121		
-20		28	0.0151		
-30		17	0.0089		
-40		36	0.0191		
25	Maximum Voltage	-32	-0.0172		
25	BEP	-12	-0.0065		

NB-IoT Band 4 (QPSK) / 1732.5MHz / 3.75KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-6	-0.0033	2.5ppm	PASS
80		3	0.0014		
70		-32	-0.0186		
60		-37	-0.0215		
50		-33	-0.0189		
40		-28	-0.0162		
30		-31	-0.0176		
20		-17	-0.0095		
10		8	0.0046		
0		19	0.0109		
-10		20	0.0118		
-20		26	0.0152		
-30		17	0.0096		
-40		34	0.0198		
25	Maximum Voltage	-31	-0.0178	2.5ppm	PASS
25	BEP	-15	-0.0084		

NB-IoT Band 4 (QPSK) / 1732.5MHz / 15KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-11	-0.0061	2.5ppm	PASS
80		6	0.0035		
70		-29	-0.0169		
60		-32	-0.0184		
50		-32	-0.0185		
40		-29	-0.0169		
30		-33	-0.0190		
20		-20	-0.0117		
10		10	0.0059		
0		18	0.0103		
-10		21	0.0121		
-20		24	0.0140		
-30		20	0.0116		
-40		33	0.0189		
25	Maximum Voltage	-32	-0.0182	2.5ppm	PASS
25	BEP	-16	-0.0093		

NB-IoT Band 4 (QPSK) / 1732.5MHz / 3.75KHz/1@47					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-8	-0.0045	2.5ppm	PASS
80		6	0.0035		
70		-28	-0.0159		
60		-33	-0.0192		
50		-36	-0.0205		
40		-28	-0.0161		
30		-31	-0.0177		
20		-21	-0.0119		
10		13	0.0073		
0		20	0.0114		
-10		21	0.0119		
-20		27	0.0157		
-30		19	0.0111		
-40		33	0.0189		
25	Maximum Voltage	-32	-0.0186		
25	BEP	-18	-0.0103		

NB-IoT Band 4 (QPSK) / 1732.5MHz / 15KHz/1@11					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-6	-0.0034	2.5ppm	PASS
80		4	0.0025		
70		-28	-0.0161		
60		-32	-0.0185		
50		-34	-0.0195		
40		-31	-0.0182		
30		-31	-0.0180		
20		-17	-0.0100		
10		8	0.0048		
0		15	0.0085		
-10		23	0.0132		
-20		26	0.0152		
-30		19	0.0112		
-40		35	0.0203		
25	Maximum Voltage	-33	-0.0191		
25	BEP	-14	-0.0082		

NB-IoT Band 5 (QPSK) / 836.5MHz / 3.75KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-7	-0.0085	2.5ppm	PASS
80		4	0.0045		
70		-32	-0.0378		
60		-35	-0.0414		
50		-37	-0.0438		
40		-30	-0.0359		
30		-28	-0.0329		
20		-17	-0.0209		
10		9	0.0107		
0		14	0.0173		
-10		21	0.0254		
-20		28	0.0329		
-30		16	0.0193		
-40		38	0.0453		
25	Maximum Voltage	-35	-0.0414		
25	BEP	-16	-0.0197		

NB-IoT Band 5 (QPSK) / 836.5MHz / 15KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-8	-0.0093	2.5ppm	PASS
80		6	0.0068		
70		-32	-0.0381		
60		-32	-0.0383		
50		-32	-0.0385		
40		-30	-0.0356		
30		-33	-0.0393		
20		-17	-0.0209		
10		8	0.0096		
0		15	0.0177		
-10		22	0.0267		
-20		29	0.0344		
-30		16	0.0188		
-40		38	0.0457		
25	Maximum Voltage	-36	-0.0425		
25	BEP	-16	-0.0188		

NB-IoT Band 5 (QPSK) / 836.5MHz / 3.75KHz/1@47					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-8	-0.0099	2.5ppm	PASS
80		6	0.0066		
70		-27	-0.0317		
60		-36	-0.0434		
50		-33	-0.0397		
40		-29	-0.0347		
30		-29	-0.0344		
20		-21	-0.0246		
10		8	0.0095		
0		15	0.0176		
-10		18	0.0213		
-20		23	0.0277		
-30		16	0.0195		
-40		34	0.0406		
25	Maximum Voltage	-33	-0.0390		
25	BEP	-13	-0.0158		

NB-IoT Band 5 (QPSK) / 836.5MHz / 15KHz/1@11					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-7	-0.0088	2.5ppm	PASS
80		2	0.0029		
70		-30	-0.0356		
60		-35	-0.0421		
50		-34	-0.0401		
40		-29	-0.0351		
30		-30	-0.0354		
20		-19	-0.0229		
10		11	0.0133		
0		14	0.0168		
-10		22	0.0263		
-20		26	0.0306		
-30		20	0.0238		
-40		38	0.0456		
25	Maximum Voltage	-32	-0.0382		
25	BEP	-12	-0.0143		

NB-IoT Band 12 (QPSK) / 707.5MHz / 3.75KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-6	-0.0084	2.5ppm	PASS
80		4	0.0061		
70		-31	-0.0444		
60		-36	-0.0513		
50		-35	-0.0493		
40		-27	-0.0381		
30		-31	-0.0437		
20		-19	-0.0264		
10		10	0.0143		
0		19	0.0263		
-10		19	0.0272		
-20		24	0.0341		
-30		15	0.0213		
-40		34	0.0478		
25	Maximum Voltage	-35	-0.0490		
25	BEP	-14	-0.0191		

NB-IoT Band 12 (QPSK) / 707.5MHz / 15KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-9	-0.0133	2.5ppm	PASS
80		4	0.0058		
70		-30	-0.0417		
60		-37	-0.0516		
50		-37	-0.0522		
40		-31	-0.0441		
30		-32	-0.0447		
20		-16	-0.0219		
10		9	0.0121		
0		19	0.0268		
-10		20	0.0276		
-20		25	0.0359		
-30		19	0.0274		
-40		36	0.0510		
25	Maximum Voltage	-35	-0.0490		
25	BEP	-18	-0.0253		

NB-IoT Band 12 (QPSK) / 707.5MHz / 3.75KHz/1@47					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-10	-0.0141	2.5ppm	PASS
80		5	0.0070		
70		-30	-0.0422		
60		-35	-0.0494		
50		-31	-0.0442		
40		-32	-0.0451		
30		-28	-0.0389		
20		-19	-0.0270		
10		11	0.0153		
0		19	0.0264		
-10		19	0.0264		
-20		28	0.0401		
-30		19	0.0263		
-40		34	0.0481		
25	Maximum Voltage	-32	-0.0452		
25	BEP	-12	-0.0169		

NB-IoT Band 12 (QPSK) / 707.5MHz / 15KHz/1@11					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-10	-0.0135	2.5ppm	PASS
80		8	0.0115		
70		-27	-0.0376		
60		-37	-0.0526		
50		-33	-0.0470		
40		-32	-0.0451		
30		-28	-0.0400		
20		-15	-0.0217		
10		8	0.0109		
0		18	0.0256		
-10		23	0.0319		
-20		27	0.0388		
-30		17	0.0235		
-40		35	0.0496		
25	Maximum Voltage	-31	-0.0436		
25	BEP	-12	-0.0170		

NB-IoT Band 13 (QPSK) / 782MHz / 3.75KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-9	-0.0130	2.5ppm	PASS
80		8	0.0113		
70		-32	-0.0452		
60		-32	-0.0450		
50		-33	-0.0472		
40		-32	-0.0450		
30		-32	-0.0451		
20		-19	-0.0267		
10		7	0.0100		
0		17	0.0237		
-10		21	0.0290		
-20		25	0.0348		
-30		17	0.0234		
-40		36	0.0502		
25	Maximum Voltage	-32	-0.0449		
25	BEP	-18	-0.0251		

NB-IoT Band 13 (QPSK) / 782MHz /15KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-9	-0.0131	2.5ppm	PASS
80		5	0.0064		
70		-31	-0.0439		
60		-36	-0.0507		
50		-32	-0.0452		
40		-28	-0.0389		
30		-30	-0.0427		
20		-18	-0.0249		
10		8	0.0112		
0		18	0.0259		
-10		20	0.0286		
-20		29	0.0411		
-30		19	0.0275		
-40		36	0.0504		
25	Maximum Voltage	-34	-0.0478		
25	BEP	-12	-0.0175		

NB-IoT Band 13 (QPSK) / 782MHz / 3.75KHz/1@47					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-9	-0.0119	2.5ppm	PASS
80		8	0.0107		
70		-29	-0.0372		
60		-34	-0.0429		
50		-36	-0.0462		
40		-29	-0.0377		
30		-32	-0.0415		
20		-19	-0.0242		
10		7	0.0090		
0		15	0.0196		
-10		18	0.0229		
-20		29	0.0367		
-30		15	0.0190		
-40		34	0.0433		
25	Maximum Voltage	-34	-0.0435		
25	BEP	-17	-0.0222		

NB-IoT Band 13 (QPSK) / 782MHz /15KHz/1@11					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-6	-0.0079	2.5ppm	PASS
80		4	0.0048		
70		-32	-0.0415		
60		-33	-0.0421		
50		-35	-0.0450		
40		-29	-0.0377		
30		-29	-0.0369		
20		-19	-0.0242		
10		7	0.0091		
0		19	0.0248		
-10		23	0.0291		
-20		28	0.0356		
-30		16	0.0207		
-40		37	0.0474		
25	Maximum Voltage	-34	-0.0432		
25	BEP	-13	-0.0164		

NB-IoT Band 17 (QPSK) / 710.0MHz / 3.75KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-11	-0.0155	2.5ppm	PASS
80		3	0.0043		
70		-32	-0.0457		
60		-32	-0.0445		
50		-31	-0.0442		
40		-32	-0.0445		
30		-27	-0.0383		
20		-17	-0.0241		
10		11	0.0161		
0		20	0.0280		
-10		21	0.0291		
-20		24	0.0341		
-30		16	0.0228		
-40		37	0.0524		
25	Maximum Voltage	-31	-0.0441		
25	BEP	-16	-0.0231		

NB-IoT Band 17(QPSK) / 710.0MHz /15KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-6	-0.0080	2.5ppm	PASS
80		5	0.0073		
70		-31	-0.0435		
60		-33	-0.0459		
50		-35	-0.0494		
40		-32	-0.0449		
30		-29	-0.0414		
20		-16	-0.0222		
10		12	0.0170		
0		18	0.0251		
-10		22	0.0312		
-20		24	0.0339		
-30		16	0.0220		
-40		34	0.0472		
25	Maximum Voltage	-34	-0.0482		
25	BEP	-13	-0.0176		

NB-IoT Band 17 (QPSK) / 710.0MHz / 3.75KHz/1@47					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-8	-0.0117	2.5ppm	PASS
80		6	0.0079		
70		-30	-0.0418		
60		-34	-0.0483		
50		-36	-0.0511		
40		-27	-0.0376		
30		-32	-0.0446		
20		-16	-0.0232		
10		10	0.0140		
0		20	0.0275		
-10		18	0.0260		
-20		24	0.0340		
-30		16	0.0219		
-40		36	0.0506		
25	Maximum Voltage	-33	-0.0468		
25	BEP	-15	-0.0213		

NB-IoT Band 17 (QPSK) / 710.0MHz / 15KHz/1@11					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-7	-0.0100	2.5ppm	PASS
80		5	0.0071		
70		-29	-0.0403		
60		-34	-0.0479		
50		-34	-0.0480		
40		-28	-0.0388		
30		-27	-0.0385		
20		-16	-0.0225		
10		10	0.0138		
0		16	0.0227		
-10		22	0.0316		
-20		24	0.0340		
-30		16	0.0219		
-40		33	0.0467		
25	Maximum Voltage	-33	-0.0464		
25	BEP	-12	-0.0176		

NB-IoT Band 26(Part 22) (QPSK) / 836.5MHz / 3.75KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-7	-0.0083	2.5ppm	PASS
80		3	0.0040		
70		-32	-0.0382		
60		-33	-0.0399		
50		-31	-0.0376		
40		-27	-0.0325		
30		-29	-0.0343		
20		-17	-0.0197		
10		12	0.0139		
0		15	0.0182		
-10		20	0.0243		
-20		25	0.0303		
-30		19	0.0223		
-40		37	0.0447		
25	Maximum Voltage	-35	-0.0419		
25	BEP	-13	-0.0154		

NB-IoT Band 26(Part 22) (QPSK) / 836.5MHz /15KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-6	-0.0067	2.5ppm	PASS
80		4	0.0047		
70		-30	-0.0355		
60		-34	-0.0405		
50		-37	-0.0442		
40		-27	-0.0319		
30		-31	-0.0371		
20		-17	-0.0205		
10		7	0.0079		
0		19	0.0226		
-10		19	0.0225		
-20		27	0.0319		
-30		19	0.0222		
-40		36	0.0433		
25	Maximum Voltage	-34	-0.0408		
25	BEP	-17	-0.0199		

NB-IoT Band 26(Part 22) (QPSK) / 836.5MHz / 3.75KHz/1@47					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-6	-0.0070	2.5ppm	PASS
80		4	0.0050		
70		-28	-0.0332		
60		-35	-0.0413		
50		-35	-0.0416		
40		-32	-0.0385		
30		-28	-0.0339		
20		-21	-0.0246		
10		12	0.0143		
0		15	0.0181		
-10		18	0.0218		
-20		28	0.0331		
-30		17	0.0203		
-40		38	0.0457		
25	Maximum Voltage	-35	-0.0420		
25	BEP	-15	-0.0177		

NB-IoT Band 26(Part 22) (QPSK) / 836.5MHz /15KHz/1@11					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-8	-0.0090	2.5ppm	PASS
80		8	0.0100		
70		-28	-0.0331		
60		-34	-0.0404		
50		-31	-0.0374		
40		-26	-0.0316		
30		-29	-0.0345		
20		-20	-0.0240		
10		11	0.0128		
0		18	0.0217		
-10		20	0.0234		
-20		28	0.0330		
-30		18	0.0214		
-40		36	0.0428		
25	Maximum Voltage	-35	-0.0413		
25	BEP	-13	-0.0160		

NB-IoT Band 66 (QPSK) / 1745MHz / 3.75KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-11	-0.0064	2.5ppm	PASS
80		3	0.0014		
70		-30	-0.0172		
60		-37	-0.0214		
50		-33	-0.0187		
40		-31	-0.0175		
30		-31	-0.0176		
20		-21	-0.0120		
10		12	0.0066		
0		18	0.0103		
-10		22	0.0124		
-20		28	0.0163		
-30		15	0.0085		
-40		34	0.0197		
25	Maximum Voltage	-31	-0.0180		
25	BEP	-16	-0.0093		

NB-IoT Band 66 (QPSK) / 1745MHz /15KHz/1@0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-7	-0.0038	2.5ppm	PASS
80		4	0.0020		
70		-29	-0.0167		
60		-35	-0.0202		
50		-32	-0.0183		
40		-27	-0.0153		
30		-28	-0.0161		
20		-16	-0.0090		
10		8	0.0044		
0		16	0.0091		
-10		18	0.0103		
-20		28	0.0163		
-30		21	0.0118		
-40		37	0.0214		
25	Maximum Voltage	-31	-0.0180		
25	BEP	-15	-0.0089		

NB-IoT Band 66 (QPSK) / 1745MHz / 3.75KHz/1@47					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-9	-0.0052	2.5ppm	PASS
80		8	0.0044		
70		-31	-0.0176		
60		-35	-0.0202		
50		-34	-0.0198		
40		-31	-0.0178		
30		-32	-0.0181		
20		-16	-0.0092		
10		8	0.0045		
0		18	0.0105		
-10		17	0.0098		
-20		26	0.0149		
-30		15	0.0085		
-40		34	0.0196		
25	Maximum Voltage	-34	-0.0195		
25	BEP	-17	-0.0100		

NB-IoT Band 66 (QPSK) / 1745MHz /15KHz/1@11					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
85	Normal Voltage	-11	-0.0062	2.5ppm	PASS
80		6	0.0032		
70		-28	-0.0160		
60		-37	-0.0210		
50		-34	-0.0194		
40		-31	-0.0176		
30		-28	-0.0159		
20		-21	-0.0120		
10		9	0.0053		
0		18	0.0103		
-10		21	0.0120		
-20		28	0.0159		
-30		20	0.0114		
-40		37	0.0213		
25	Maximum Voltage	-34	-0.0193		
25	BEP	-13	-0.0077		

5 Photos of test setup

Reference to the **appendix I Test Setup Photo** for details.

6 Photos of EUT

Reference to the **appendix II external photos** and **appendix III internal photos** for details.

----- END OF REPORT-----

