



<b>Prüfbericht-Nr.:</b> Test Report No.:	<b>60384807 002</b>	<b>Auftrags-Nr.:</b> Order No.:	168269603	Seite 1 von 15 Page 1 of 15
<b>Kunden-Referenz-Nr.:</b> Client Reference No.:	N/A	<b>Auftragsdatum:</b> Order date:	16.06.2020	
<b>Auftraggeber:</b> Client:	Telit Communications S.p.A. Viale Stazione di Prosecco 5/b, 34010, Trieste, Italy			
<b>Prüfgegenstand:</b> Test item:	Data Terminal Module			
<b>Bezeichnung / Typ-Nr.:</b> Identification / Type No.:	ME910G1-WWV			
<b>Auftrags-Inhalt:</b> Order content:	Test report			
<b>Prüfgrundlage:</b> Test specification:	FCC 47 CFR Part 2.1091 RSS-102 Issue 5			
<b>Wareneingangsdatum:</b> Date of receipt:	16.06.2020	Refer to Photo Documentation		
<b>Prüfmuster-Nr.:</b> Test sample No.:	A000981523-005			
<b>Prüfzeitraum:</b> Testing period:	16.06.2020 - 26.08.2020			
<b>Ort der Prüfung:</b> Place of testing:	TÜV Rheinland (Shenzhen) Co., Ltd.			
<b>Prüflaboratorium:</b> Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
<b>Prüfergebnis*:</b> Test result*:	Pass			
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>		
28.08.2020	Lin Lin / Senior Project Manager	28.08.2020	Winnie Hou / Technical Certifier	
<b>Datum</b> Date	<b>Name / Stellung</b> Name / Position	<b>Unterschrift</b> Signature	<b>Datum</b> Date	<b>Name / Stellung</b> Name / Position
<b>Sonstiges / Other:</b>	This report is for RF exposure evaluation.			
FCC ID:RI7ME910G1WW IC: 5131A-ME910G1WW				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>				
<i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				
v05				

**Prüfbericht- Nr.: 60384807 002**  
*Test Report No.*

**Seite 2 von 15**  
*Page 2 of 15*

## TEST SUMMARY

**5.1.1 RF EXPOSURE COMPLIANCE**  
*RESULT: Pass*

## CONTENTS

<b>1.</b>	<b>GENERAL REMARKS .....</b>	<b>4</b>
<b>1.1</b>	<b>COMPLEMENTARY MATERIALS.....</b>	<b>4</b>
<b>2.</b>	<b>TEST SITES.....</b>	<b>4</b>
<b>2.1</b>	<b>TEST FACILITIES.....</b>	<b>4</b>
<b>2.2</b>	<b>LIST OF TEST AND MEASUREMENT INSTRUMENTS.....</b>	<b>4</b>
<b>2.3</b>	<b>TRACEABILITY.....</b>	<b>5</b>
<b>2.4</b>	<b>CALIBRATION.....</b>	<b>5</b>
<b>2.5</b>	<b>MEASUREMENT UNCERTAINTY.....</b>	<b>5</b>
<b>2.6</b>	<b>LOCATION OF ORIGINAL DATA.....</b>	<b>5</b>
<b>2.7</b>	<b>STATUS OF FACILITY USED FOR TESTING .....</b>	<b>5</b>
<b>3.</b>	<b>GENERAL PRODUCT INFORMATION .....</b>	<b>6</b>
<b>3.1</b>	<b>PRODUCT FUNCTION AND INTENDED USE .....</b>	<b>6</b>
<b>3.2</b>	<b>RATINGS AND SYSTEM DETAILS.....</b>	<b>6</b>
<b>3.3</b>	<b>INDEPENDENT OPERATION MODES.....</b>	<b>7</b>
<b>3.4</b>	<b>NOISE GENERATING AND NOISE SUPPRESSING PARTS .....</b>	<b>7</b>
<b>3.5</b>	<b>SUBMITTED DOCUMENTS .....</b>	<b>7</b>
<b>4.</b>	<b>TEST SET-UP AND OPERATION MODES.....</b>	<b>8</b>
<b>4.1</b>	<b>PRINCIPLE OF CONFIGURATION SELECTION .....</b>	<b>8</b>
<b>4.2</b>	<b>TEST OPERATION AND TEST SOFTWARE.....</b>	<b>8</b>
<b>4.3</b>	<b>SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT .....</b>	<b>8</b>
<b>4.4</b>	<b>COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....</b>	<b>8</b>
<b>4.5</b>	<b>TEST SETUP DIAGRAM.....</b>	<b>9</b>
<b>5.</b>	<b>TEST RESULTS.....</b>	<b>10</b>
<b>5.1</b>	<b>TRANSMITTER REQUIREMENTS &amp; TEST SUITES .....</b>	<b>10</b>
<b>5.1.1</b>	<b>RF Exposure Compliance.....</b>	<b>10</b>

## 1. General Remarks

### 1.1 Complementary Materials

None.

## 2. Test Sites

### 2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

(FCC Registration No.: 694916 & IC Registration Number: 25069)

No. 362, Huanguan Road Middle, Longhua District, Shenzhen 518110, P.R. China

### 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until (YYYY-MM-DD)
<b>Radio Spectrum Test</b>				
Spectrum Analyzer	Rohde&Schwarz	FSV40	101475	20.09.2020
Wideband Radio Communication Tester	Rohde& Schwarz	CMW500	166305	20.09.2020

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table,

Items		Extended Uncertainty
Radio Spectrum	Output Power (dBm)	U=0.5dB, k=2, $\sigma=95\%$

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

## 2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. facility located at No. 362, Huanguan Road Middle, Longhua District, Shenzhen 518110, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

### 3. General Product Information

#### 3.1 Product Function and Intended Use

The EUT is wireless module which supports GSM, GPRS, EGPRS, eMTC, NB-IoT wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

#### 3.2 Ratings and System Details

**Table 2: Technical Specification of EUT**

<b>Technical Specification</b>	<b>Value</b>
Kind of Equipment:	Data Terminal Module
Type Designation:	ME910G1-WWV
FCC ID:	RI7ME910G1WW
IC:	5131A-ME910G1WW
Hardware version:	1.0
Software version:	M0C.800002
Type of Equipment:	Single Module
Equipment Class:	PCB
Wireless Technology:	GSM, GPRS, EGPRS, eMTC, NB-IoT
Operating Frequency Range:	GSM: 850/1900 eMTC: Band 2/4/5/12/13/25/26/66/85 NB-IoT: Band 2/4/5/12/13/25/26/66/71/85
Power Class:	GSM/GPRS 850: Class 4 GSM1900/GPRS: Class 1 EGPRS 900/1800: E2 eMTC: Class 3 NB-IoT: Class 3
Type of Modulation:	GSM: GMSK GPRS: GMSK EGPRS: GMSK, 8PSK eMTC: QPSK, 16QAM NB-IoT: BPSK, QPSK
Operating Voltage:	DC 3.8V via DC power supply
Antenna Type:	External Antenna
Number of Antenna:	1

**Table 3: Marketed Antenna List**

Description	Manufacturer	Model	S/N	Rating
Antenna	ATEL-CAB	T-AT305	N/A	Frequency Range: 700-960 MHz / 1710-2700 MHz Omnidirectional antenna Gain: 2.14 dBi (Max.) Cable: RG 174mm 2500

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. Transmitting
  - 1. GSM/GPRS/EGPRS/eMTC/NB-IoT
    - a. Lowest channel
    - b. Middle channel
    - c. Highest channel
- B. Off

### 3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

### 3.5 Submitted Documents

- Bill of Material	- Circuit Diagram
- PCB Layout	- Instruction Manual
- Photo Document	- Rating Label

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

**Radio Spectrum:** The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5.

### 4.3 Special Accessories and Auxiliary Equipment

**Table 4: List of Accessories and Auxiliary Equipment**

Name	Model	Manufacturer	S/N
Evaluation Kit	EVK2	Telit	N/A

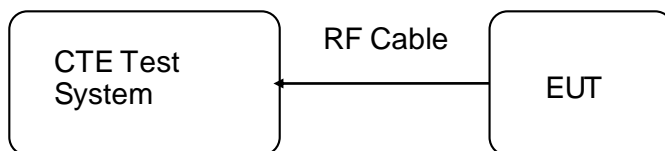
### 4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.



## 4.5 Test Setup Diagram

Diagram of Measurement Equipment Configuration for Transmitter Measurement



## 5. Test Results

### 5.1 Transmitter Requirements & Test Suites

#### 5.1.1 RF Exposure Compliance

**RESULT:****Pass**

Test date	:	16.06.2020 - 26.08.2020
Test standard	:	FCC 47 CFR Part 2 Section 2.1091 RSS-102 Issue 5 Section 3.2
Limit	:	Table 1 of FCC 47 CFR Part 1 Section 1.1310 Table 4 of RSS-102 Issue 5 Section 4
Kind of test site	:	Shielded room

**TEST SETUP**

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101.0 kPa

This device is mobile device, and the applicant declares that the minimum separation distance is greater than 20cm. Therefore MPE measurement or computational modeling should be used to determine compliance.

MPE Calculation is based on the conducted power, and considering maximum power and antenn gain. The following formula is used to MPE evaluation.

$$Pd = \frac{P_{out} * G}{4R^2\pi}$$

Where

$P_d$  = power density in mW/cm<sup>2</sup> or W/m<sup>2</sup>

$P_{out}$  = output power to antenna in mW or W

$G_{num}$  = Antenna gain in numeric

$\pi$  = 3.14159

R = Distance between observation point and the center of radiator in cm or m

Test Result: PASS

Note: The Maximum Output Power refer to test report 60384807 001 STS1912245W01, STS1912245W02 and STS1912245W03.

**FCC Test Result for product with 2.14dBi Antenna gain**

Operating Mode	Band	Maximum Conducted Output Power		Division factors (dB)	Antenna Gain (dBi)	Max. E.R.P./E.I.R.P. (dBm)	Min. Distance (cm)	Calculation (mW/cm <sup>2</sup> )	FCC Limit (mW/cm <sup>2</sup> )	Result
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)							
GSM	850	32.53	34	-9.03	2.14	27.11	20	0.102	0.549	PASS
	1900	30.85	31	-9.03	2.14	24.11	20	0.051	1.0	PASS

Note: Division factors, 1Tx slot = 1 transmit time slot out of 8 time slots = -9.03dB

Operating Mode	Band	Maximum Conducted Output Power		Division factors (dB)	Antenna Gain (dBi)	Max. E.R.P./E.I.R.P. (dBm)	Min. Distance (cm)	Calculation (mW/cm <sup>2</sup> )	FCC Limit (mW/cm <sup>2</sup> )	Result
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)							
GPRS	850(1slot)	33.23	33.5	-9.03	2.14	26.61	20	0.091	0.549	PASS
	850(2slots)	31.87	33.5	-6.02	2.14	29.62	20	0.182	0.549	PASS
	850(3slots)	29.91	30	-4.26	2.14	27.88	20	0.122	0.549	PASS
	850(4slots)	27.67	28	-3.01	2.14	27.13	20	0.103	0.549	PASS
	1900(1slot)	30.26	30.5	-9.03	2.14	23.61	20	0.046	1.0	PASS
	1900(2slots)	30.41	30.5	-6.02	2.14	26.62	20	0.091	1.0	PASS
	1900(3slots)	29.56	30	-4.26	2.14	27.88	20	0.122	1.0	PASS
EDGE	850(1slot)	27.31	28	-9.03	2.14	21.11	20	0.026	0.549	PASS
	850(2slots)	27.52	28	-6.02	2.14	24.12	20	0.051	0.549	PASS
	850(3slots)	27.84	28	-4.26	2.14	25.88	20	0.077	0.549	PASS
	850(4slots)	26.84	27	-3.01	2.14	26.13	20	0.082	0.549	PASS
	1900(1slot)	26.72	27	-9.03	2.14	20.11	20	0.020	1.0	PASS
	1900(2slots)	26.53	27	-6.02	2.14	23.12	20	0.041	1.0	PASS
	1900(3slots)	26.44	27	-4.26	2.14	24.88	20	0.061	1.0	PASS
	1900(4slots)	26.30	27	-3.01	2.14	26.13	20	0.082	1.0	PASS

Note: Division factors, 1Tx slot = 1 transmit time slot out of 8 time slots = -9.03dB; 2Tx slots = 2 transmit time slots out of 8 time slots = -6.02dB; 3Tx slots = 3 transmit time slots out of 8 time slots = -4.26dB; 4Tx slots = 4 transmit time slots out of 8 time slots = -3.01dB

Operating Mode	Band	Maximum Conducted Output Power		Antenna Gain (dBi)	Max. E.R.P./E.I.R.P. (dBm)	Min. Distance (cm)	Calculation (mW/cm <sup>2</sup> )	FCC Limit (mW/cm <sup>2</sup> )	Result
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)						
eMTC	2	23.69	25	2.14	27.14	20	0.103	1.0	PASS
	4	23.86	25	2.14	27.14	20	0.103	1.0	PASS
	5	23.51	25	2.14	27.14	20	0.103	0.549	PASS
	12	23.46	25	2.14	27.14	20	0.103	0.466	PASS
	13	23.04	25	2.14	27.14	20	0.103	0.518	PASS
	25	23.75	25	2.14	27.14	20	0.103	1.0	PASS
	26	23.87	25	2.14	27.14	20	0.103	0.543	PASS
	66	23.81	25	2.14	27.14	20	0.103	1.0	PASS
	85	23.24	25	2.14	27.14	20	0.103	0.465	PASS

Operating Mode	Band	Maximum Conducted Output Power		Antenna Gain (dBi)	Max. E.R.P./E.I.R.P. (dBm)	Min. Distance (cm)	Calculation (mW/cm <sup>2</sup> )	FCC Limit (mW/cm <sup>2</sup> )	Result
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)						
NB-IoT	2	23.86	25	2.14	27.14	20	0.103	1.0	PASS
	4	23.62	25	2.14	27.14	20	0.103	1.0	PASS
	5	23.24	25	2.14	27.14	20	0.103	0.549	PASS
	12	23.56	25	2.14	27.14	20	0.103	0.466	PASS
	13	23.68	25	2.14	27.14	20	0.103	0.518	PASS
	25	23.7	25	2.14	27.14	20	0.103	1.0	PASS
	26	23.86	25	2.14	27.14	20	0.103	0.543	PASS
	66	23.81	25	2.14	27.14	20	0.103	1.0	PASS
	71	21.89	22	2.14	24.14	20	0.052	0.442	PASS
85	23.63	25	2.14	27.14	20	0.103	1.0	PASS	

**IC Test Result for product with 2.14dBi Antenna gain**

Operating Mode	Band	Maximum Conducted Output Power		Division factors (dB)	Antenna Gain (dBi)	Max. E.R.P./E.I.R.P. (dBm)	Min. Distance (cm)	Calculation (W/m <sup>2</sup> )	IC Limit (W/m <sup>2</sup> )	Result
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)							
GSM	850	32.53	34	-9.03	2.14	28.11	20	1.023	2.576	PASS
	1900	30.85	31	-9.03	2.14	25.11	20	0.512	4.476	PASS

Note: Division factors, 1Tx slot = 1 transmit time slot out of 8 time slots= -9.03dB

Operating Mode	Band	Maximum Conducted Output Power		Division factors (dB)	Antenna Gain (dBi)	Max. E.R.P./E.I.R.P. (dBm)	Min. Distance (cm)	Calculation (W/m <sup>2</sup> )	IC Limit (W/m <sup>2</sup> )	Result
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)							
GPRS	850(1slot)	33.23	33.5	-9.03	2.14	26.61	20	0.909	2.576	PASS
	850(2slots)	31.87	33.5	-6.02	2.14	29.62	20	1.821	2.576	PASS
	850(3slots)	29.91	30	-4.26	2.14	27.88	20	1.218	2.576	PASS
	850(4slots)	27.67	28	-3.01	2.14	27.13	20	1.026	2.576	PASS
	1900(1slot)	30.26	30.5	-9.03	2.14	23.61	20	0.456	4.476	PASS
	1900(2slots)	30.41	30.5	-6.02	2.14	26.62	20	0.912	4.476	PASS
	1900(3slots)	29.56	30	-4.26	2.14	27.88	20	1.218	4.476	PASS
	1900(4slots)	28.98	29	-3.01	2.14	28.13	20	1.293	4.476	PASS
EDGE	850(1slot)	27.31	28	-9.03	2.14	21.11	20	0.254	2.576	PASS
	850(2slots)	27.52	28	-6.02	2.14	24.12	20	0.512	2.576	PASS
	850(3slots)	27.84	28	-4.26	2.14	25.88	20	0.769	2.576	PASS
	850(4slots)	26.84	27	-3.01	2.14	26.13	20	0.814	2.576	PASS
	1900(1slot)	26.72	27	-9.03	2.14	20.11	20	0.202	4.476	PASS
	1900(2slots)	26.53	27	-6.02	2.14	23.12	20	0.407	4.476	PASS
	1900(3slots)	26.44	27	-4.26	2.14	24.88	20	0.609	4.476	PASS
	1900(4slots)	26.30	27	-3.01	2.14	26.13	20	0.814	4.476	PASS

Note: Division factors, 1Tx slot = 1 transmit time slot out of 8 time slots= -9.03dB; 2Tx slots= 2 transmit time slots out of 8 time slots= -6.02dB; 3Tx slots= 3 transmit time slots out of 8 time slots= -4.26dB; 4Tx slots= 4 transmit time slots out of 8 time slots= -3.01dB

Operating Mode	Band	Maximum Conducted Output Power		Antenna Gain (dBi)	Max. E.R.P./E.I. R.P. (dBm)	Distance (cm)	Calculation (W/m <sup>2</sup> )	IC Limit (W/m <sup>2</sup> )	Result
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)						
eMTC	2	23.69	25	2.14	27.14	20	1.030	4.476	PASS
	4	23.86	25	2.14	27.14	20	1.030	4.242	PASS
	5	23.51	25	2.14	27.14	20	1.030	2.576	PASS
	12	23.46	25	2.14	27.14	20	1.030	2.302	PASS
	13	23.04	25	2.14	27.14	20	1.030	2.474	PASS
	25	23.75	25	2.14	27.14	20	1.030	4.476	PASS
	26	23.87	25	2.14	27.14	20	1.030	2.554	PASS
	66	23.81	25	2.14	27.14	20	1.030	4.242	PASS
85	23.24	25	2.14	27.14	20	1.030	2.299	PASS	

Operating Mode	Band	Maximum Conducted Output Power		Antenna Gain (dBi)	Max. E.R.P./E.I. R.P. (dBm)	Distance (cm)	Calculation (W/m <sup>2</sup> )	IC Limit (W/m <sup>2</sup> )	Result
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)						
NB-IoT	2	23.86	25	2.14	27.14	20	1.030	4.476	PASS
	4	23.62	25	2.14	27.14	20	1.030	4.242	PASS
	5	23.24	25	2.14	27.14	20	1.030	2.576	PASS
	12	23.56	25	2.14	27.14	20	1.030	2.302	PASS
	13	23.68	25	2.14	27.14	20	1.030	2.474	PASS
	25	23.7	25	2.14	27.14	20	1.030	4.476	PASS
	26	23.86	25	2.14	27.14	20	1.030	2.554	PASS
	66	23.81	25	2.14	27.14	20	1.030	4.242	PASS
	71	21.89	22	2.14	24.14	20	0.515	2.220	PASS
	85	23.63	25	2.14	27.14	20	1.030	2.299	PASS

**FCC and IC Test Result for Allowed Antenna Gain**

Operating Mode	Band	Maximum Conducted Output Power		Division factors (dB)	Min. Distance (cm)	FCC Limit (mW/cm <sup>2</sup> )	IC Limit (W/m <sup>2</sup> )	Allowed Antenna Gain_Power (dBi)		Allowed Antenna Gain_MPE (dBi)		Permissive Antenna Gain (dBi)	
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)					FCC (dBi)	IC (dBi)	FCC (dBi)	IC (dBi)	FCC (dBi)	IC (dBi)
	1900	30.85	31	-9.03	20	1.0	4.476	11.04	11.04	15.04	11.55	11.04	11.04

Note: Division factors, 1Tx slot = 1 transmit time slot out of 8 time slots= -9.03dB

Operating Mode	Band	Maximum Conducted Output Power		Division factors (dB)	Min. Distance (cm)	FCC Limit (mW/cm <sup>2</sup> )	IC Limit (W/m <sup>2</sup> )	Allowed Antenna Gain_Power (dBi) (dBi)		Allowed Antenna Gain_MPE (dBi) (dBi)		Permissive Antenna Gain (dBi) (dBi)	
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)					FCC (dBi)	IC (dBi)	FCC (dBi)	IC (dBi)	FCC (dBi)	IC (dBi)
GPRS	850(1slot)	33.23	33.5	-9.03	20	0.549	2.576	7.10	9.25	9.94	6.65	7.10	6.65
	850(2slots)	31.87	33.5	-6.02	20	0.549	2.576	7.10	9.25	6.93	3.64	6.93	3.64
	850(3slots)	29.91	30	-4.26	20	0.549	2.576	10.60	12.75	8.67	5.38	8.67	5.38
	850(4slots)	27.67	28	-3.01	20	0.549	2.576	12.60	14.75	9.42	6.13	9.42	6.13
	1900(1slot)	30.26	30.5	-9.03	20	1.0	4.476	2.51	2.51	15.54	12.05	2.51	2.51
	1900(2slots)	30.41	30.5	-6.02	20	1.0	4.476	2.51	2.51	12.53	9.04	2.51	2.51
	1900(3slots)	29.56	30	-4.26	20	1.0	4.476	3.01	3.01	11.27	7.78	3.01	3.01
	1900(4slots)	28.98	29	-3.01	20	1.0	4.476	4.01	4.01	11.02	7.53	4.01	4.01
EDGE	850(1slot)	27.31	28	-9.03	20	0.549	2.576	12.60	14.75	15.44	12.15	12.60	12.15
	850(2slots)	27.52	28	-6.02	20	0.549	2.576	12.60	14.75	12.43	9.14	12.43	9.14
	850(3slots)	27.84	28	-4.26	20	0.549	2.576	12.60	14.75	10.67	7.38	10.67	7.38
	850(4slots)	26.84	27	-3.01	20	0.549	2.576	13.60	15.75	10.42	7.13	10.42	7.13
	1900(1slot)	26.72	27	-9.03	20	1.0	4.476	6.01	6.01	19.04	15.55	6.01	6.01
	1900(2slots)	26.53	27	-6.02	20	1.0	4.476	6.01	6.01	16.03	12.54	6.01	6.01
	1900(3slots)	26.44	27	-4.26	20	1.0	4.476	6.01	6.01	14.27	10.78	6.01	6.01
	1900(4slots)	26.30	27	-3.01	20	1.0	4.476	6.01	6.01	13.02	9.53	6.01	6.01

Note: Division factors, 1Tx slot = 1 transmit time slot out of 8 time slots = -9.03dB; 2Tx slots = 2 transmit time slots out of 8 time slots = -6.02dB; 3Tx slots = 3 transmit time slots out of 8 time slots = -4.26dB; 4Tx slots = 4 transmit time slots out of 8 time slots = -3.01dB

Operating Mode	Band	Maximum Conducted Output Power		Min. Distance (cm)	FCC Limit (mW/cm <sup>2</sup> )	IC Limit (W/m <sup>2</sup> )	Allowed Antenna Gain_Power (dBi) (dBi)		Allowed Antenna Gain_MPE (dBi) (dBi)		Permissive Antenna Gain (dBi) (dBi)	
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)				FCC (dBi)	IC (dBi)	FCC (dBi)	IC (dBi)	FCC (dBi)	IC (dBi)
eMTC	2	23.69	25	20	1.0	4.476	8.01	8.01	12.01	8.52	8.01	8.01
	4	23.86	25	20	1.0	4.242	5.00	5.00	12.01	8.29	5.00	5.00
	5	23.51	25	20	0.549	2.576	15.60	17.75	9.41	6.12	9.41	6.12
	12	23.46	25	20	0.466	2.302	11.92	11.92	8.70	5.63	8.70	5.63
	13	23.04	25	20	0.518	2.474	11.92	11.92	9.16	5.95	9.16	5.95
	25	23.75	25	20	1.0	4.476	8.01	8.01	12.01	8.52	8.01	8.01
	26	23.87	25	20	0.543	2.554	15.60	17.75	9.36	6.09	9.36	6.09
	66	23.81	25	20	1.0	4.242	5.00	5.00	12.01	8.29	5.00	5.00
	85	23.24	25	20	0.465	2.299	11.92	11.92	8.69	5.63	8.69	5.63

Operating Mode	Band	Maximum Conducted Output Power		Min. Distance (cm)	FCC Limit (mW/cm <sup>2</sup> )	IC Limit (W/m <sup>2</sup> )	Allowed Antenna Gain_Power (dBi) (dBi)		Allowed Antenna Gain_MPE (dBi) (dBi)		Permissive Antenna Gain (dBi) (dBi)	
		Measured Power (dBm)	Max. Power incl. tune-up (dBm)				FCC (dBi)	IC (dBi)	FCC (dBi)	IC (dBi)	FCC (dBi)	IC (dBi)
NB-IoT	2	23.86	25	20	1.0	4.476	8.01	8.01	12.01	8.52	8.01	8.01
	4	23.62	25	20	1.0	4.242	5.00	5.00	12.01	8.29	5.00	5.00
	5	23.24	25	20	0.549	2.576	15.60	17.75	9.41	6.12	9.41	6.12
	12	23.56	25	20	0.466	2.302	11.92	11.92	8.70	5.63	8.70	5.63
	13	23.68	25	20	0.518	2.474	11.92	11.92	9.16	5.95	9.16	5.95
	25	23.7	25	20	1.0	4.476	8.01	8.01	12.01	8.52	8.01	8.01
	26	23.86	25	20	0.543	2.554	15.60	17.75	9.36	6.09	9.36	6.09
	66	23.81	25	20	1.0	4.242	5.00	5.00	12.01	8.29	5.00	5.00
	71	21.89	22	20	0.442	2.220	14.92	14.92	11.47	8.48	11.47	8.48
	85	23.63	25	20	0.465	2.299	11.92	11.92	8.69	5.63	8.69	5.63