



FCC RF Test Report

APPLICANT : Inseego Corp.
EQUIPMENT : 5G High Performance Sub6 & mmWave Outdoor CPE
BRAND NAME : Inseego
MODEL NAME : FW2010-1, FW2010e-1
FCC ID : PKRISGFW2010
STANDARD : 47 CFR Part 2, 27
CLASSIFICATION : PCS Licensed Transmitter (PCB)

The product was received on Dec. 16, 2020 and completely tested on Apr. 12, 2021. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

This product installed a RF module (Brand Name: Inseego, Model Name: MD2000, FCC ID: PKRISGMD2000) during the test, only ERP/EIRP and RSE test items are tested in this report, all the other test results are quoted on module RF report.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.

Jason Jia

Reviewed by: Jason Jia / Supervisor

Alex Wang

Approved by: Alex Wang / Manager



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG0D1611H	Rev. 01	Initial issue of report	Mar. 29, 2021
FG0D1611H	Rev. 02	Add test results of SA n12/n41/n66/n71	Apr. 13, 2021



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.2	§2.1046	Conducted Output Power	Reporting Only & §27.50(h)(2)< 2Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (5G NR n12) (5G NR n71)	ERP < 30 Watt		
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n41)	-		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (5G NR n66)	EIRP < 1Watt		
-	N/A	Peak-to-Average Ratio	<13 dB	PASS	1
-	§2.1049	Occupied Bandwidth	Reporting Only	PASS	1
-	§2.1051 §27.53(g)	Conducted Band Edge Measurement (5G NR n12) (5G NR n66) (5G NR n71)	< 43+10log ₁₀ (P[Watts])	PASS	1
	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n41)	§27.53(m)(4)		
-	§2.1051 §27.53(g)	Conducted Spurious Emission (5G NR n12) (5G NR n66) (5G NR n71)	< 43+10log ₁₀ (P[Watts])	PASS	1
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n41)	< 55+10log ₁₀ (P[Watts])		
-	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	1
4.4	§2.1053 §27.53(g)	Radiated Spurious Emission (5G NR n12) (5G NR n66) (5G NR n71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 25.20 dB at 2102.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n41)	< 55+10log ₁₀ (P[Watts])		

Remark:

- All conducted test items were leveraged from module RF report which can refer to module report "FG090125C" for 5G NR n12/n66, "FG090125-01B" for 5G NR n41/n71.
- The maximum power of host is lower than and very close to the module, therefore, we chose higher power of the module to calculate the ERP/EIRP and show in the report.



1 General Description

1.1 Applicant

Inseego Corp.
9710 Scranton Road, Suite 200 San Diego, CA 92121

1.2 Manufacturer

MeiG Smart Technology Co., Ltd
Floor 2, Office Building No.5, Lingxia Road,Fenghuang Community, Fuyong Street, Bao 'an District, Shenzhen

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G High Performance Sub6 & mmWave Outdoor CPE
Brand Name	Inseego
Model Name	FW2010-1, FW2010e-1
FCC ID	PKRISGF2010
EUT supports Radios application	LTE/5G NR/GNSS Bluetooth LE
HW Version	4
SW Version	2.384
EUT Stage	Identical Prototype

Remark:

1. Only 5G NR bands are tested in this report, all the other RF bands are tested in the other reports separately.
2. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, DFT-s-OFDM power is higher than CP-OFDM, thus only DFT-s-OFDM modulation is reported.
3. The maximum ERP/EIRP is calculated from max output power, only the maximum ERP/EIRP is shown on the report.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n12 : 699 MHz ~ 716 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71: 663 MHz ~ 698 MHz
Rx Frequency	5G NR n12 : 729 MHz ~ 746 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 2110 MHz~ 2200 MHz 5G NR n71: 617 MHz ~ 652 MHz
Bandwidth	n12: 5MHz / 10MHz / 15MHz n66, n71: 5MHz / 10MHz / 15MHz / 20MHz n41 : 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz
SCS	n12, n66, n71: 15KHz n41 : 30KHz
Antenna Gain	5G NR n12: 0.81 dBi 5G NR n41: 5.56 dBi 5G NR n66: 5.18 dBi 5G NR n71: 0.33 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

5G NR n12		PI/2 BPSK/QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)
15	706.5 ~ 708.5	0.1824	0.1754

5G NR n41		PI/2 BPSK/QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
100	2546.01 ~ 2640.00	0.8933	0.8831

5G NR n66		PI/2 BPSK/QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
20	1720.0 ~ 1770.0	0.7568	0.7482

5G NR n71		PI/2 BPSK/QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)
20	673.0 ~ 688.0	0.1560	0.1552

Note: Based on engineering evaluation, only the maximum bandwidth and the worst modulation test results are shown in the report.

1.7 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International (Kunshan) Inc.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS	CN1257	314309



1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24a

1.9 Applicable Standards

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

- ♦ 47 CFR Part 2, 27
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

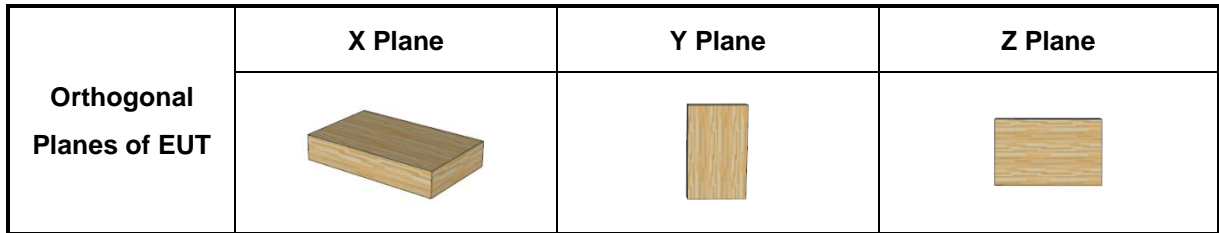
1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

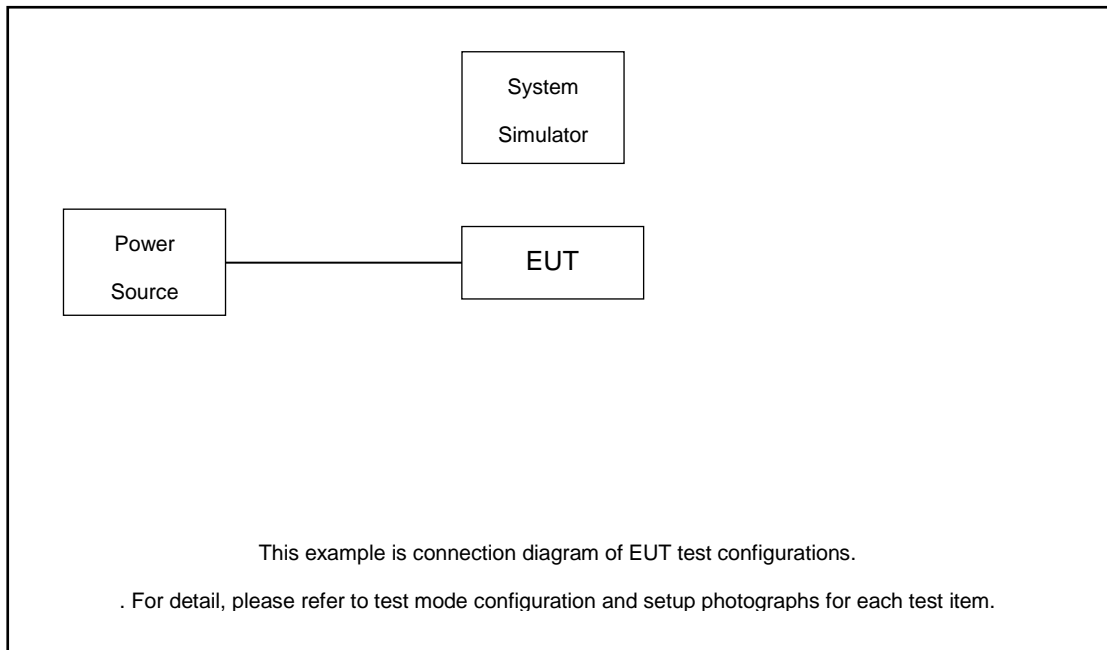
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases were recorded in this report.



Test Items	Band	Bandwidth (MHz)						Modulation					RB #			Test Channel			
		5	10	15	20	60	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
E.R.P / E.I.R.P	n12	v	v	v	-	-	-	v	v	v	v	v	v		v	v	v	v	
	n66	v	v	v	v	-	-	v	v	v	v	v	v		v	v	v	v	
	n71	v	v	v	v	-	-	v	v	v	v	v	v		v	v	v	v	
Radiated Spurious Emission	n12	Worst Case																v	
	n66	Worst Case																v	
	n71	Worst Case																v	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 																		

Test Items	Band	Bandwidth (MHz)							Modulation					RB #			Test Channel			
		20	40	50	60	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
E.R.P / E.I.R.P	n41	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v	
Radiated Spurious Emission	n41	Worst Case																	v	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 																			

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	POE Adapter	N/A	N/A	N/A	N/A	N/A
2.	LTE Base Station	Anritsu	MT8821	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

5G NR n12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	141300	141500	141700
	Frequency	706.5	707.5	708.5
10	Channel	140800	141500	142200
	Frequency	704	707.5	711
5	Channel	140300	141500	142700
	Frequency	701.5	707.5	713.5

5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99



5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

5G NR n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5



3 Conducted Test Items

3.1 ERP/EIRP

3.1.1 Description of the ERP/EIRP Measurement

The ERP of mobile transmitters must not exceed 30 Watts for 5G NR n12 and n71.

The Output power of all user stations must not exceed 2 Watts for 5G NR n41.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.1.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

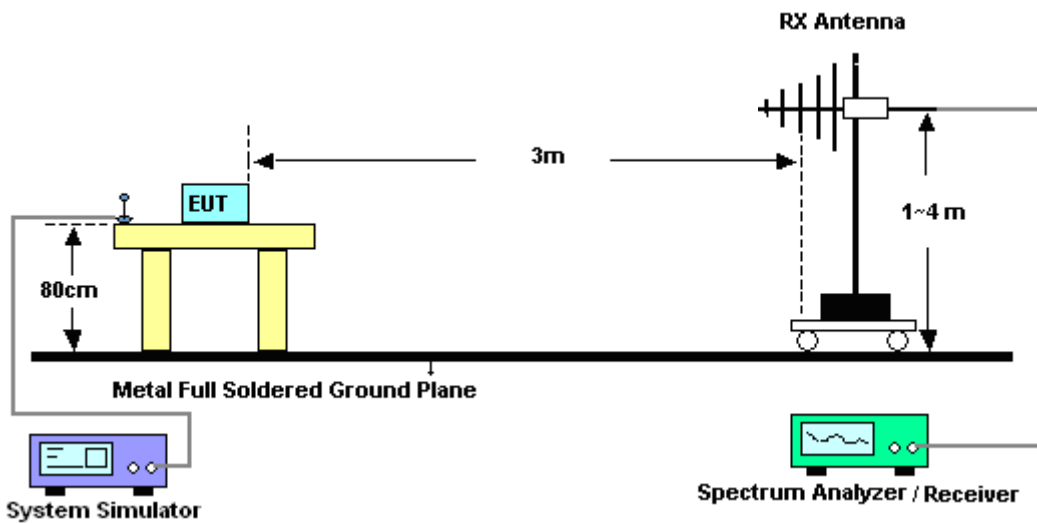
4 Radiated Test Items

4.1 Measuring Instruments

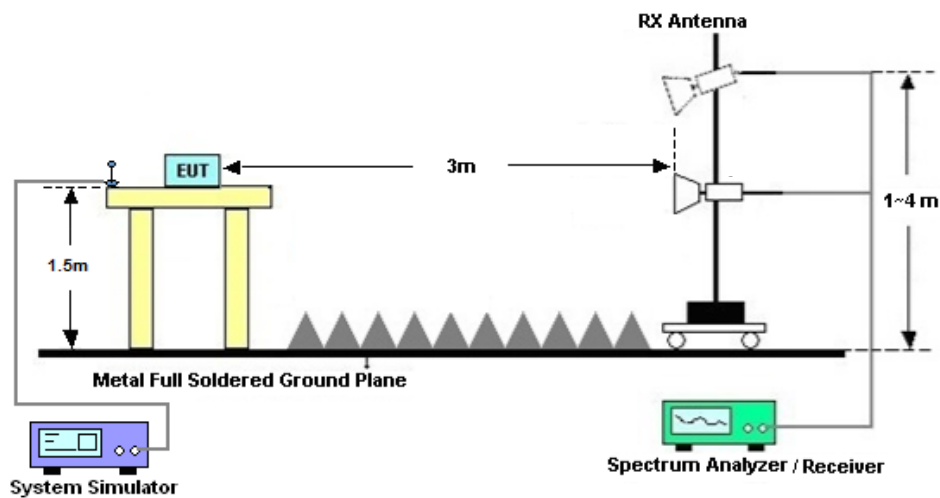
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For 5G NR n7,n41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11. $ERP (dBm) = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] (dB)$
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$
 $= -13dBm.$

13. For 5G NR n7, n41:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 15, 2020	Mar. 11, 2021~ Apr. 12, 2021	Apr. 14, 2021	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Jun. 08, 2020	Mar. 11, 2021~ Apr. 12, 2021	Jun. 07, 2021	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1356	1GHz~18GHz	Apr. 20, 2020	Mar. 11, 2021~ Apr. 12, 2021	Apr. 19, 2021	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Jan. 06, 2021	Mar. 11, 2021~ Apr. 12, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 06, 2021	Mar. 11, 2021~ Apr. 12, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 07, 2021	Mar. 11, 2021~ Apr. 12, 2021	Jan. 06, 2022	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P	2025788	1Ghz-18Ghz	Jan. 06, 2021	Mar. 11, 2021~ Apr. 12, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 14, 2020	Mar. 11, 2021~ Apr. 12, 2021	Oct. 13, 2021	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Mar. 11, 2021~ Apr. 12, 2021	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Mar. 11, 2021~ Apr. 12, 2021	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Mar. 11, 2021~ Apr. 12, 2021	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required



6 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.3dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.8dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.8dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and EIRP)

5G NR n12 SA:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	ERP	ERP	ERP
Channel				141300	141500	141700		L	M	H
Frequency (MHz)				706.5	707.5	708.5				
15	PI/2 BPSK	1	1	23.58	23.95	23.58	0.81	0.1675	0.1824	0.1675
15	QPSK	1	1	23.48	23.58	23.68	0.81	0.1637	0.1675	0.1714
15	QPSK	1	77	23.68	23.58	23.78		0.1714	0.1675	0.1754
15	QPSK	36	18	23.78	23.78	23.78		0.1754	0.1754	0.1754
15	QPSK	1	0	23.38	23.38	23.58	0.81	0.1600	0.1600	0.1675
15	QPSK	1	78	23.58	23.48	23.68	0.81	0.1675	0.1637	0.1714
15	QPSK	75	0	23.68	23.68	23.58	0.81	0.1714	0.1714	0.1675
15	16QAM	1	1	23.48	23.58	23.78	0.81	0.1637	0.1675	0.1754
15	64QAM	1	1	22.28	22.48	22.48	0.81	0.1242	0.1300	0.1300
15	256QAM	1	1	20.08	20.38	20.38	0.81	0.0748	0.0802	0.0802
Channel				140800	141500	142200	Gain	ERP	ERP	ERP
Frequency (MHz)				704	707.5	711				
10	QPSK	1	1	23.28	23.38	23.48	0.81	0.1563	0.1600	0.1637
10	16QAM	1	1	23.48	23.58	23.68	0.81	0.1637	0.1675	0.1714
Channel				140300	141500	142700	Gain	ERP	ERP	ERP
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	1	23.78	23.88	23.77	0.81	0.1754	0.1795	0.1750
5	16QAM	1	1	23.58	23.68	23.58	0.81	0.1675	0.1714	0.1675



5G NR n66 SA:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	EIRP	EIRP	EIRP
Channel				344000	349000	354000	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				1720	1745	1770				
20	PI/2 BPSK	1	1	23.60	23.33	23.13	5.18	0.7551	0.7096	0.6776
20	QPSK	1	1	23.61	23.33	23.23	5.18	0.7568	0.7096	0.6934
20	QPSK	1	104	23.43	23.23	23.03	5.18	0.7261	0.6934	0.6622
20	QPSK	50	25	23.53	23.23	23.13	5.18	0.7430	0.6934	0.6776
20	QPSK	1	0	23.60	23.33	23.13	5.18	0.7551	0.7096	0.6776
20	QPSK	1	105	23.43	23.23	23.03	5.18	0.7261	0.6934	0.6622
20	QPSK	100	0	23.59	23.33	23.03	5.18	0.7534	0.7096	0.6622
20	16QAM	1	1	23.56	23.33	23.13	5.18	0.7482	0.7096	0.6776
20	64QAM	1	1	23.33	23.13	22.93	5.18	0.7096	0.6776	0.6471
20	256QAM	1	1	21.23	21.03	20.73	5.18	0.4375	0.4178	0.3899
Channel				343500	349000	354500	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	23.53	23.23	23.03	5.18	0.7430	0.6934	0.6622
15	16QAM	1	1	23.53	23.23	23.03	5.18	0.7430	0.6934	0.6622
Channel				343000	349000	355000	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	23.53	23.23	22.93	5.18	0.7430	0.6934	0.6471
10	16QAM	1	1	23.53	23.23	22.93	5.18	0.7430	0.6934	0.6471
Channel				342500	349000	355500	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	23.57	23.33	23.03	5.18	0.7499	0.7096	0.6622
5	16QAM	1	1	23.43	23.13	22.93	5.18	0.7261	0.6776	0.6471



5G NR n71 SA:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	ERP	ERP	ERP
Channel				134600	136100	137600		L	M	H
Frequency (MHz)				673	680.5	688				
20	PI/2 BPSK	1	1	23.72	23.53	23.43	0.33	0.1549	0.1483	0.1449
20	QPSK	1	1	23.75	23.63	23.43	0.33	0.1560	0.1517	0.1449
20	QPSK	1	104	23.33	23.23	23.03	0.33	0.1416	0.1384	0.1321
20	QPSK	50	25	23.63	23.53	23.33	0.33	0.1517	0.1483	0.1416
20	QPSK	1	0	23.73	23.53	23.33	0.33	0.1552	0.1483	0.1416
20	QPSK	1	105	23.23	23.13	23.03	0.33	0.1384	0.1352	0.1321
20	QPSK	100	0	23.43	23.33	23.23	0.33	0.1449	0.1416	0.1384
20	16QAM	1	1	23.73	23.33	23.23	0.33	0.1552	0.1416	0.1384
20	64QAM	1	1	22.63	22.43	22.33	0.33	0.1205	0.1151	0.1125
20	256QAM	1	1	20.23	19.93	19.83	0.33	0.0693	0.0647	0.0632
Channel				134100	136100	138100	Gain	ERP	ERP	ERP
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	1	23.73	23.63	23.43	0.33	0.1552	0.1517	0.1449
15	16QAM	1	1	23.53	23.43	23.13	0.33	0.1483	0.1449	0.1352
Channel				133600	136100	138600	Gain	ERP	ERP	ERP
Frequency (MHz)				668	680.5	693				
10	QPSK	1	1	23.73	23.53	23.43	0.33	0.1552	0.1483	0.1449
10	16QAM	1	1	22.63	23.33	23.43	0.33	0.1205	0.1416	0.1449
Channel				133100	136100	139100	Gain	ERP	ERP	ERP
Frequency (MHz)				665.5	680.5	695.5				
5	QPSK	1	1	23.73	23.73	23.43	0.33	0.1552	0.1552	0.1449
5	16QAM	1	1	22.73	23.63	23.43	0.33	0.1233	0.1517	0.1449



5G NR n41 SA:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	EIRP	EIRP	EIRP
Channel				509202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640		L	M	H
100	PI/2 BPSK	1	1	23.57	23.77	23.47	5.56	0.8185	0.8570	0.7998
100	QPSK	1	1	23.95	23.67	23.47	5.56	0.8933	0.8375	0.7998
100	QPSK	1	271	23.37	23.07	23.37	5.56	0.7816	0.7295	0.7816
100	QPSK	135	67	23.92	23.27	23.27	5.56	0.8872	0.7638	0.7638
100	QPSK	1	0	23.57	23.67	23.47	5.56	0.8185	0.8375	0.7998
100	QPSK	1	272	23.37	23.17	22.77	5.56	0.7816	0.7464	0.6808
100	QPSK	270	0	23.90	23.37	23.37	5.56	0.8831	0.7816	0.7816
100	16QAM	1	1	23.67	23.90	23.77	5.56	0.8375	0.8831	0.8570
100	64QAM	1	1	23.57	22.57	22.27	5.56	0.8185	0.6501	0.6067
100	256QAM	1	1	21.97	20.37	20.17	5.56	0.5662	0.3917	0.3741
Channel				508200	518598	528996	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	23.77	23.77	23.47	5.56	0.8570	0.8570	0.7998
90	16QAM	1	1	23.87	23.87	23.77	5.56	0.8770	0.8770	0.8570
Channel				507204	518598	529998	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	23.57	23.67	23.47	5.56	0.8185	0.8375	0.7998
80	16QAM	1	1	23.67	23.87	23.77	5.56	0.8375	0.8770	0.8570
Channel				505200	518598	531996	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	23.57	23.47	23.27	5.56	0.8185	0.7998	0.7638
60	16QAM	1	1	23.57	23.77	23.27	5.56	0.8185	0.8570	0.7638
Channel				504204	518598	532998	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	23.67	23.57	23.47	5.56	0.8375	0.8185	0.7998
50	16QAM	1	1	23.17	23.57	23.57	5.56	0.7464	0.8185	0.8185
Channel				503202	518598	534000	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	23.89	23.88	23.87	5.56	0.8810	0.8790	0.8770
40	16QAM	1	1	23.77	23.87	23.77	5.56	0.8570	0.8770	0.8570
Channel				501204	518598	535998	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	23.67	23.57	23.57	5.56	0.8375	0.8185	0.8185
20	16QAM	1	1	23.67	23.67	23.47	5.56	0.8375	0.8375	0.7998



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission_SA Mode

5G NR n12 / 15MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1402	-60.09	-13	-47.09	-67.06	1.58	10.70	H
	2102	-38.20	-13	-25.20	-46.45	2.10	12.50	H
	2804	-60.32	-13	-47.32	-69.21	2.86	13.90	H
	3504	-59.56	-13	-46.56	-69.52	3.46	15.57	H
	1402	-60.71	-13	-47.71	-67.68	1.58	10.70	V
	2102	-39.81	-13	-26.81	-48.06	2.10	12.50	V
	2804	-60.12	-13	-47.12	-69.01	2.86	13.90	V
	3504	-59.94	-13	-46.94	-69.90	3.46	15.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

5G NR n66 / 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-57.63	-13	-44.63	-68.37	2.604	13.34	H
	5208	-54.92	-13	-41.92	-65.43	3.011	13.52	H
	6948	-54.46	-13	-41.46	-64.66	3.271	13.47	H
	3471	-57.09	-13	-44.09	-67.83	2.604	13.34	V
	5208	-54.52	-13	-41.52	-65.03	3.011	13.52	V
	6948	-54.79	-13	-41.79	-64.99	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

5G NR n41 / 100MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-61.55	-25	-36.55	-71.76	3.03	13.24	H
	7644	-60.22	-25	-35.22	-69.67	3.56	13.01	H
	10190	-59.29	-25	-34.29	-68.81	3.92	13.44	H
	5096	-61.97	-25	-36.97	-72.18	3.03	13.24	V
	7644	-60.46	-25	-35.46	-69.91	3.56	13.01	V
	10190	-59.46	-25	-34.46	-68.98	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n71 / 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EHRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1342	-65.18	-13	-52.18	-66.93	1.02	4.92	H
	2014	-45.07	-13	-32.07	-47.04	1.27	5.39	H
	2686	-60.33	-13	-47.33	-63.26	1.49	6.57	H
	3360	-60.38	-13	-47.38	-63.78	1.73	7.28	H
	1342	-66.17	-13	-53.17	-67.92	1.02	4.92	V
	2014	-40.94	-13	-27.94	-42.91	1.27	5.39	V
	2686	-59.49	-13	-46.49	-62.42	1.49	6.57	V
	3360	-60.47	-13	-47.47	-63.87	1.73	7.28	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Radiated Spurious Emission_NSA Mode

EN-DC_2A_n12A / LTE 10MHz +NR 15MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1402	-58.12	-13	-45.12	-65.09	1.58	10.70	H
	2102	-47.89	-13	-34.89	-56.14	2.10	12.50	H
	2804	-60.32	-13	-47.32	-69.21	2.86	13.90	H
	3762	-49.78	-13	-36.78	-59.74	3.46	15.57	H
	1402	-63.84	-13	-50.84	-70.81	1.58	10.70	V
	2102	-46.54	-13	-33.54	-54.79	2.10	12.50	V
	2804	-59.81	-13	-46.81	-68.70	2.86	13.90	V
	3762	-40.97	-13	-27.97	-50.93	3.46	15.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_66A_n12A / LTE 10MHz +NR 15MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1402	-65.68	-13	-52.68	-72.65	1.58	10.70	H
	2102	-44.46	-13	-31.46	-52.71	2.10	12.50	H
	2804	-60.10	-13	-47.10	-68.99	2.86	13.90	H
	3504	-40.56	-13	-27.56	-50.52	3.46	15.57	H
	1402	-63.99	-13	-50.99	-70.96	1.58	10.70	V
	2102	-45.37	-13	-32.37	-53.62	2.10	12.50	V
	2804	-59.78	-13	-46.78	-68.67	2.86	13.90	V
	3510	-50.38	-13	-37.38	-60.34	3.46	15.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_2A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-56.75	-13	-43.75	-67.49	2.60	13.34	H
	5208	-52.28	-13	-39.28	-62.79	3.01	13.52	H
	6948	-53.45	-13	-40.45	-63.65	3.27	13.47	H
	3471	-57.64	-13	-44.64	-68.38	2.60	13.34	V
	5208	-53.71	-13	-40.71	-64.22	3.01	13.52	V
	6948	-53.32	-13	-40.32	-63.52	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_5A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-57.38	-13	-44.38	-68.12	2.60	13.34	H
	5208	-54.14	-13	-41.14	-64.65	3.01	13.52	H
	6948	-53.83	-13	-40.83	-64.03	3.27	13.47	H
	3471	-57.92	-13	-44.92	-68.66	2.60	13.34	V
	5208	-53.37	-13	-40.37	-63.88	3.01	13.52	V
	6948	-53.25	-13	-40.25	-63.45	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-57.91	-13	-44.91	-68.65	2.60	13.34	H
	5208	-54.19	-13	-41.19	-64.70	3.01	13.52	H
	6948	-54.05	-13	-41.05	-64.25	3.27	13.47	H
	3471	-58.41	-13	-45.41	-69.15	2.60	13.34	V
	5208	-54.56	-13	-41.56	-65.07	3.01	13.52	V
	6948	-53.52	-13	-40.52	-63.72	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_12A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-57.68	-13	-44.68	-68.42	2.60	13.34	H
	5208	-54.08	-13	-41.08	-64.59	3.01	13.52	H
	6948	-54.02	-13	-41.02	-64.22	3.27	13.47	H
	3471	-57.73	-13	-44.73	-68.47	2.60	13.34	V
	5208	-53.16	-13	-40.16	-63.67	3.01	13.52	V
	6948	-53.78	-13	-40.78	-63.98	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_13A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-58.01	-13	-45.01	-68.75	2.60	13.34	H
	5208	-54.45	-13	-41.45	-64.96	3.01	13.52	H
	6948	-53.96	-13	-40.96	-64.16	3.27	13.47	H
	3471	-58.15	-13	-45.15	-68.89	2.60	13.34	V
	5208	-53.12	-13	-40.12	-63.63	3.01	13.52	V
	6948	-53.56	-13	-40.56	-63.76	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_14A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-57.67	-13	-44.67	-68.41	2.60	13.34	H
	5208	-54.56	-13	-41.56	-65.07	3.01	13.52	H
	6948	-53.82	-13	-40.82	-64.02	3.27	13.47	H
	3471	-57.82	-13	-44.82	-68.56	2.60	13.34	V
	5208	-54.51	-13	-41.51	-65.02	3.01	13.52	V
	6948	-53.85	-13	-40.85	-64.05	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_30A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-58.28	-13	-45.28	-69.02	2.60	13.34	H
	5208	-55.25	-13	-42.25	-65.76	3.01	13.52	H
	6948	-54.57	-13	-41.57	-64.77	3.27	13.47	H
	3471	-58.50	-13	-45.50	-69.24	2.60	13.34	V
	5208	-55.24	-13	-42.24	-65.75	3.01	13.52	V
	6948	-53.59	-13	-40.59	-63.79	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_48A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-49.77	-13	-36.77	-60.51	2.60	13.34	H
	5208	-53.77	-13	-40.77	-64.28	3.01	13.52	H
	6948	-53.35	-13	-40.35	-63.55	3.27	13.47	H
	3471	-54.33	-13	-41.33	-65.07	2.60	13.34	V
	5208	-54.15	-13	-41.15	-64.66	3.01	13.52	V
	6948	-53.16	-13	-40.16	-63.36	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_71A_n66A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-58.03	-13	-45.03	-68.77	2.60	13.34	H
	5208	-55.10	-13	-42.10	-65.61	3.01	13.52	H
	6948	-53.84	-13	-40.84	-64.04	3.27	13.47	H
	3471	-58.10	-13	-45.10	-68.84	2.60	13.34	V
	5208	-55.21	-13	-42.21	-65.72	3.01	13.52	V
	6948	-54.20	-13	-41.20	-64.40	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_2A_n41A / LTE 10MHz +NR 100MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-63.00	-25	-38.00	-73.21	3.03	13.24	H
	7644	-60.81	-25	-35.81	-70.26	3.56	13.01	H
	10190	-58.66	-25	-33.66	-68.18	3.92	13.44	H
	5096	-62.22	-25	-37.22	-72.43	3.03	13.24	V
	7644	-58.43	-25	-33.43	-67.88	3.56	13.01	V
	10190	-59.06	-25	-34.06	-68.58	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_4A_n41A / LTE 10MHz +NR 100MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-63.00	-25	-38.00	-73.21	3.03	13.24	H
	7644	-60.78	-25	-35.78	-70.23	3.56	13.01	H
	10190	-58.92	-25	-33.92	-68.44	3.92	13.44	H
	5096	-63.22	-25	-38.22	-73.43	3.03	13.24	V
	7644	-59.94	-25	-34.94	-69.39	3.56	13.01	V
	10190	-59.02	-25	-34.02	-68.54	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_25A_n41A / LTE 10MHz +NR 100MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-62.99	-25	-37.99	-73.20	3.03	13.24	H
	7644	-60.94	-25	-35.94	-70.39	3.56	13.01	H
	10190	-59.09	-25	-34.09	-68.61	3.92	13.44	H
	5096	-63.38	-25	-38.38	-73.59	3.03	13.24	V
	7644	-59.86	-25	-34.86	-69.31	3.56	13.01	V
	10190	-59.44	-25	-34.44	-68.96	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_26A_n41A / LTE 10MHz +NR 100MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-62.93	-25	-37.93	-73.14	3.03	13.24	H
	7644	-60.84	-25	-35.84	-70.29	3.56	13.01	H
	10190	-59.08	-25	-34.08	-68.60	3.92	13.44	H
	5096	-62.42	-25	-37.42	-72.63	3.03	13.24	V
	7644	-60.10	-25	-35.10	-69.55	3.56	13.01	V
	10190	-59.21	-25	-34.21	-68.73	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_66A_n41A / LTE 10MHz +NR 100MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-62.42	-25	-37.42	-72.63	3.03	13.24	H
	7644	-59.83	-25	-34.83	-69.28	3.56	13.01	H
	10190	-59.16	-25	-34.16	-68.68	3.92	13.44	H
	5096	-62.42	-25	-37.42	-72.63	3.03	13.24	V
	7644	-61.05	-25	-36.05	-70.50	3.56	13.01	V
	10190	-59.59	-25	-34.59	-69.11	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_2A_n71A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1342	-64.63	-13	-51.63	-66.38	1.02	4.92	H
	2014	-61.39	-13	-48.39	-63.36	1.27	5.39	H
	2686	-59.57	-13	-46.57	-62.50	1.49	6.57	H
	3360	-59.86	-13	-46.86	-63.26	1.73	7.28	H
	1342	-64.68	-13	-51.68	-66.43	1.02	4.92	V
	2014	-58.91	-13	-45.91	-60.88	1.27	5.39	V
	2686	-59.41	-13	-46.41	-62.34	1.49	6.57	V
	3360	-59.87	-13	-46.87	-63.27	1.73	7.28	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n71A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1342	-64.81	-13	-51.81	-66.56	1.02	4.92	H
	2014	-59.53	-13	-46.53	-61.50	1.27	5.39	H
	2686	-59.83	-13	-46.83	-62.76	1.49	6.57	H
	3360	-59.69	-13	-46.69	-63.09	1.73	7.28	H
	1342	-65.21	-13	-52.21	-66.96	1.02	4.92	V
	2014	-57.90	-13	-44.90	-59.87	1.27	5.39	V
	2686	-59.99	-13	-46.99	-62.92	1.49	6.57	V
	3360	-59.87	-13	-46.87	-63.27	1.73	7.28	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_66A_n71A / LTE 10MHz +NR 20MHz / QPSK DFT-s-OFDM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1342	-64.59	-13	-51.59	-66.34	1.02	4.92	H
	2014	-60.39	-13	-47.39	-62.36	1.27	5.39	H
	2686	-59.79	-13	-46.79	-62.72	1.49	6.57	H
	3360	-59.73	-13	-46.73	-63.13	1.73	7.28	H
	1342	-65.94	-13	-52.94	-67.69	1.02	4.92	V
	2014	-59.25	-13	-46.25	-61.22	1.27	5.39	V
	2686	-58.93	-13	-45.93	-61.86	1.49	6.57	V
	3360	-59.28	-13	-46.28	-62.68	1.73	7.28	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.