FCC RADIO TEST REPORT

FCC ID	:	**ZMOFM350GLG**
Equipment	:	**5G Module**
Brand Name	:	**Fibocom Wireless Inc.**
Model Name	:	**FM350-GL**
Applicant	:	**Fibocom Wireless Inc. 1101,Tower A, Building 6, Shenzhen International, Innovation Valley, Dashi 1st Rd, Nanshan, ShenZhen, China**
Manufacturer	:	**LCFC (HeFei) Electronics Technology Co., Ltd. No. 3188-1, Yungu Road (Hefei Export Processing Zone), Hefei Economics & Technology Development Area, Anhui, CHINA**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

Equipment: Fibocom FM350-GL tested inside of Lenovo Notebook Computer.

The product was received on Oct. 20, 2022 and testing was performed from Nov. 05, 2022 to Nov. 17, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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History of this test report

Report No.	Version	Description	Issue Date
FG2O2026C	01	Initial issue of report	Dec. 28, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(2)	Effective Radiated Power (n5)	Pass	
	§27.50 (c)(10)	Effective Radiated Power (n71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (n2) (n25) (n7) (n38) (n41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	-	See Note
-	§2.1049	Occupied Bandwidth	-	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (n2) (n5) (n66) (n71)(n25)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n7) (n38) (n41)		
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (n2) (n5) (n66) (n71)(n25)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n7) (n38) (n41)		
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	-	See Note

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (n2) (n5) (n25)	Pass	18.50 dB under the limit at 10230.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n38) (n41) (n66) (n71)		

Note: The certified module (model: FM350-GL) which supports normal mode and TX switching mode being integrated into a notebook computer. Spot check on both modes were performed and no degradation occur. Thus additionally reporting the spot check results in this report.

Declaration of Conformity:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results. 2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".
Comments and Explanations:
The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sheng Kuo

Report Producer: Ruby Zou

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G Module
Brand Name	Fibocom Wireless Inc.
Model Name	FM350-GL
FCC ID	ZMOFM350GLG
Sample 1	EUT with Host 1
Sample 2	EUT with Host 2
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Fibocom FM350-GL tested inside of Lenovo Notebook Computer.

	Normal mode	**TX switching mode**
	TX/RX	TX/RX
Ant_0 (Main)	WCDMA : 2/4/5 LTE : 2/4/5/7/12/13/14/17/25/26/30/38/66/71 NR : 2/5/7/25/30/38/66/71	WCDMA : 5 LTE : 5/12/13/14/17/26/41/48/71 NR : 5/41/71/77/78
Ant_2 (MIMO2)	LTE : 41/48 NR : 41/77/78	WCDMA : 2/4 LTE : 2/4/7/25/30/38/66 NR : 2/7/25/30/38/66

The product was installed into Notebook Computer (Brand Name: Lenovo, Model Name: TP00129C) during test, and the host information was recorded in the following table.

Host Information	
Host 1	Host with Amphenol Antenna
Host 2	Host with Novocomms/JYT Antenna

WWAN Antenna Information for Host				
Main Antenna	**Manufacturer**	Amphenol	**Peak gain (dBi)**	5G NR n2: -0.22 5G NR n5: -0.65 5G NR n7: 1.45 5G NR n25: -0.06 5G NR n38: 1.80 5G NR n41: 1.87 5G NR n66: 1.55 5G NR n71: -1.86
	Part number	TKC116-16-000-C	**Type**	PIFA
	Manufacturer	Novocomms/JYT	**Peak gain (dBi)**	5G NR n2: -1.42 5G NR n5: 0.37 5G NR n7: 1.88 5G NR n25: -1.42 5G NR n38: 1.84 5G NR n41: 1.83 5G NR n66: 0.05 5G NR n71: -0.39
	Part number	JYAAE0150HR	**Type**	PIFA
MIMO 2 Antenna	**Manufacturer**	Amphenol	**Peak gain (dBi)**	5G NR n2: 0.20 5G NR n7: 1.94 5G NR n25: 0.39 5G NR n38: 1.79 5G NR n41: 1.93 5G NR n66: 1.13
	Part number	TKC115-16-000-C	**Type**	PIFA
	Manufacturer	Novocomms/JYT	**Peak gain (dBi)**	5G NR n2: -0.50 5G NR n7: 2.28 5G NR n25: -0.50 5G NR n38: 1.65 5G NR n41: 2.28 5G NR n66: -0.74
	Part number	JYAAE0151HR	**Type**	PIFA

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	5G NR n2: 1852.5 MHz ~ 1907.5 MHz 5G NR n5: 826.5 MHz ~ 846.5 MHz 5G NR n7: 2502.5 MHz ~ 2567.5 MHz 5G NR n25: 1852.5 MHz ~ 1912.5 MHz 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685.00 MHz 5G NR n66: 1712.5 MHz ~ 1777.5 MHz 5G NR n71: 665.5 MHz ~ 695.5 MHz
Rx Frequency	5G NR n2: 1932.5 MHz ~ 1987.5 MHz 5G NR n5: 871.5 MHz ~ 891.5 MHz 5G NR n7: 2622.5 MHz ~ 2687.5 MHz 5G NR n25: 1932.5 MHz ~ 1992.5 MHz 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685.00 MHz 5G NR n66: 2112.5 MHz ~ 2197.5 MHz 5G NR n71: 619.5 MHz ~ 649.5 MHz
Bandwidth	5G NR n2: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n5: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n7: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n25: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n38: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n41: 10MHz / 15MHz / 30MHz / 40MHz / 50MHz / 80MHz / 100MHz 5G NR n66: 5MHz / 10MHz / 15MHz / 20MHz / 40MHz 5G NR n71: 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	**<Main Antenna>** 5G NR n2: 22.37 dBm 5G NR n5: 23.67 dBm 5G NR n7: 22.63 dBm 5G NR n25: 22.54 dBm 5G NR n38: 22.42 dBm 5G NR n41: 26.63 dBm for HPUE 5G NR n66: 22.34 dBm 5G NR n71: 23.52 dBm **<MIMO 2 Antenna>** 5G NR n2: 22.75 dBm 5G NR n7: 25.06 dBm 5G NR n25: 23.24 dBm 5G NR n38: 22.74 dBm 5G NR n41: 26.07 dBm for HPUE 5G NR n66: 23.14 dBm
Type of Modulation	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333
Test Site No.	**Sporton Site No.**
	TH03-HY (TAF Code: 1190)
Test Engineer	Ivy Yeh
Temperature (℃)	20~24
Relative Humidity (%)	50~52
Remark	The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010
Test Site No.	**Sporton Site No.**
	03CH11-HY
Test Engineer	Yuan Lee, Fu Chen and Troye Hsieh
Temperature (℃)	19.8~22.2
Relative Humidity (%)	57.2~58.5

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

- ANSI C63.26-2015
- ANSI / TIA-603-E
- FCC 47 CFR Part 2, 22(H), 24(E), 27
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

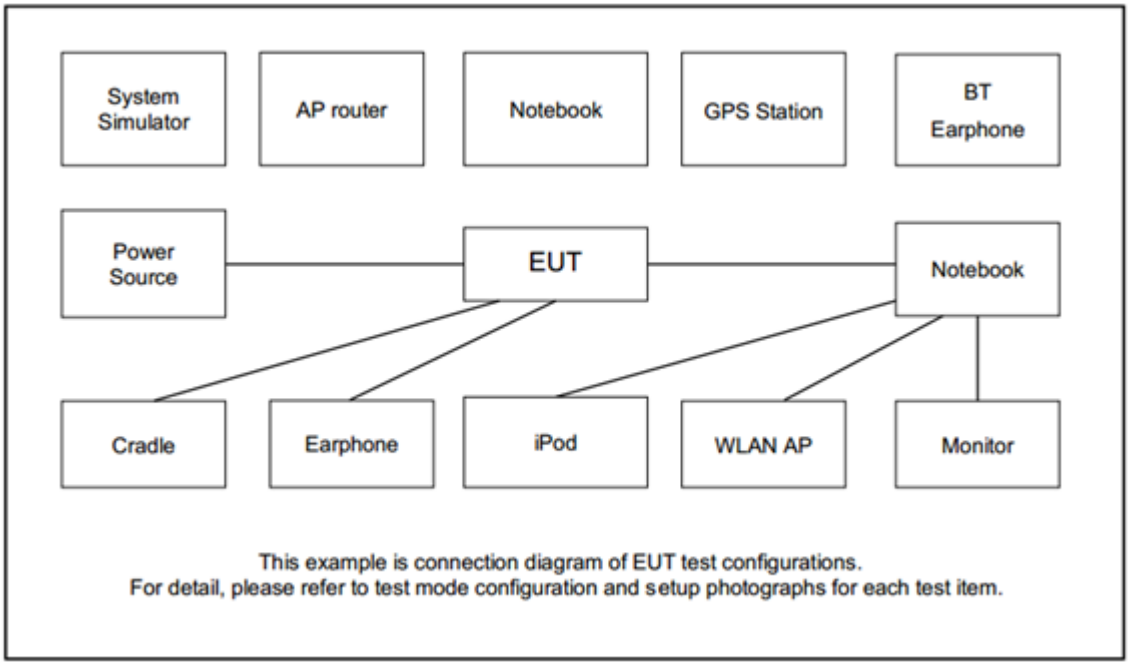
2.1 Test Mode

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

Test Items	NR Band	Bandwidth (MHz)							Modulation					RB #			Test Channel		
		5	10	15	20	30	40	50	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	n2	v	v	v	v	-	-	-	v	v	v	v	v	v	v		v	v	v
	n5	v	v	v	v	-	-	-	v	v	v	v	v	v	v		v	v	v
	n7	v	v	v	v	-	-	-	v	v	v	v	v	v	v		v	v	v
	n25	v	v	v	v	-	-	-	v	v	v	v	v	v	v		v	v	v
	n38	v	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	v
	n71	v	v	v	v	-	-	-	v	v	v	v	v	v	v		v	v	v
E.R.P / E.I.R.P	n2	v	v	v	v	-	-	-	v	v	v	v	v	Max. Power					
	n5	v	v	v	v	-	-	-	v	v	v	v	v						
	n7	v	v	v	v	-	-	-	v	v	v	v	v						
	n25	v	v	v	v	-	-	-	v	v	v	v	v						
	n38	v	v	v	v	-	-	-	v	v	v	v	v						
	n66	v	v	v	v	-	v	-	v	v	v	v	v						
	n71	v	v	v	v	-	-	-	v	v	v	v	v						
Radiated Spurious Emission	n2				v	-	-	-		v				v			v	v	v
	n5				v	-	-	-		v				v			v	v	v
	n7				v	-	-	-		v				v			v	v	v
	n25				v	-	-	-		v				v			v	v	v
	n38				v	-	-	-		v				v			v	v	v
	n66					-	v	-		v				v			v	v	v
	n71				v	-	-	-		v				v			v	v	v
Remark	1. The mark “v “ means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. 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. 4. For radiated measurement, pre-scanned in two modes, DFT-s OFDM and CP OFDM. The worst cases (DFT-s OFDM) were recorded in this report, and the worst modes of FR1 and LTE for simultaneous transmission were verified and compliant. 5. Test combination is EN-DC 5A-n2A.																		

Test Items	NR Band	Bandwidth (MHz)										Modulation					RB #			Test Channel		
		10	15	20	30	40	50	60	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	n41_ HPUE	v	v	-	v	v	v	-	v	-	v	v	v	v	v	v	v	v		v	v	v
E.R.P / E.I.R.P	n41_ HPUE	v	v	-	v	v	v	-	v	-	v	v	v	v	v	v	Max. Power					
Radiated Spurious Emission	n41_ HPUE			-				-	v	-			v				v			v	v	v
Remark	1. The mark "v " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. 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. 4. For radiated measurement, pre-scanned in two modes, DFT-s OFDM and CP OFDM. The worst cases (DFT-s OFDM) were recorded in this report, and the worst modes of FR1 and LTE for simultaneous transmission were verified and compliant. 5. Test combination is EN-DC 66A-n41A_HPUE.																					

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
2.	System Simulator	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
3.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n7 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	502000	507000	512000
	Frequency	2510	2535	2560
15	Channel	501500	507000	512500
	Frequency	2507.5	2535	2562.5
10	Channel	501000	507000	513000
	Frequency	2505	2535	2565
5	Channel	500500	507000	513500
	Frequency	2502.5	2535	2567.5

5G NR n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376500	381000
	Frequency	1860	1882.5	1905
15	Channel	371500	376500	381500
	Frequency	1857.5	1882.5	1907.5
10	Channel	371000	376500	382000
	Frequency	1855	1882.5	1910
5	Channel	370500	376500	382500
	Frequency	1852.5	1882.5	1912.5

5G NR n38 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	516000	519000	522000
	Frequency	2580	2595	2610
15	Channel	515500	519000	522500
	Frequency	2577.5	2595	2612.5
10	Channel	515000	519000	523000
	Frequency	2575	2595	2615
5	Channel	514500	519000	523500
	Frequency	2572.5	2595	2617.5

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
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685

5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
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

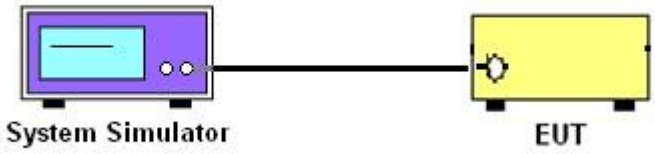
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were 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 ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n71

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2 and n25 and n7 and n38 and 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

3.2.2 Test Procedures

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

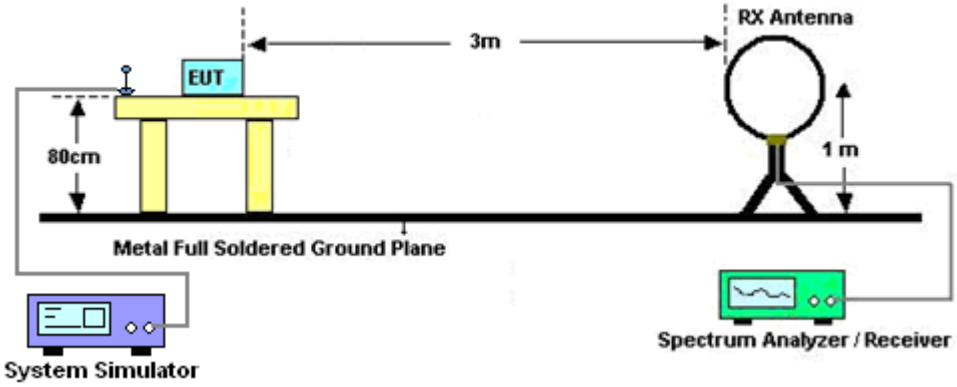
4 Radiated Test Items

4.1 Measuring Instruments

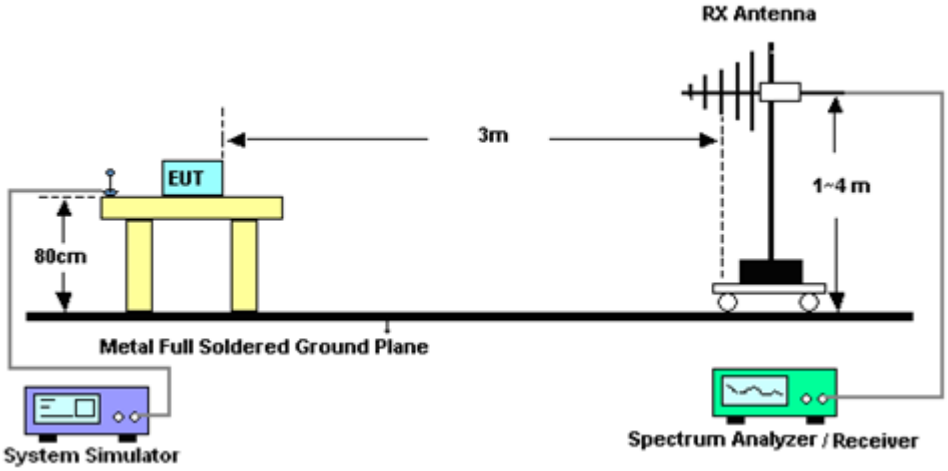
See list of measuring instruments of this test report.

4.1.1 Test Setup

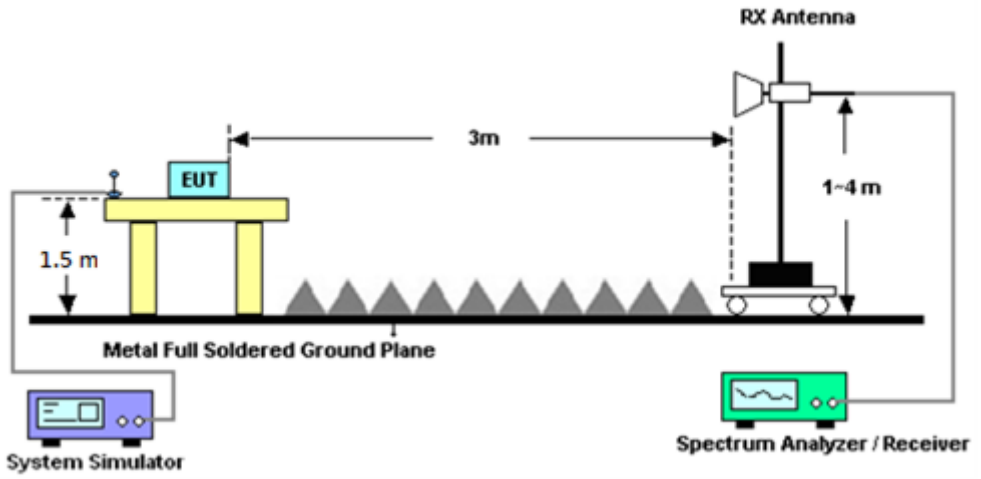
For radiated test below 30MHz



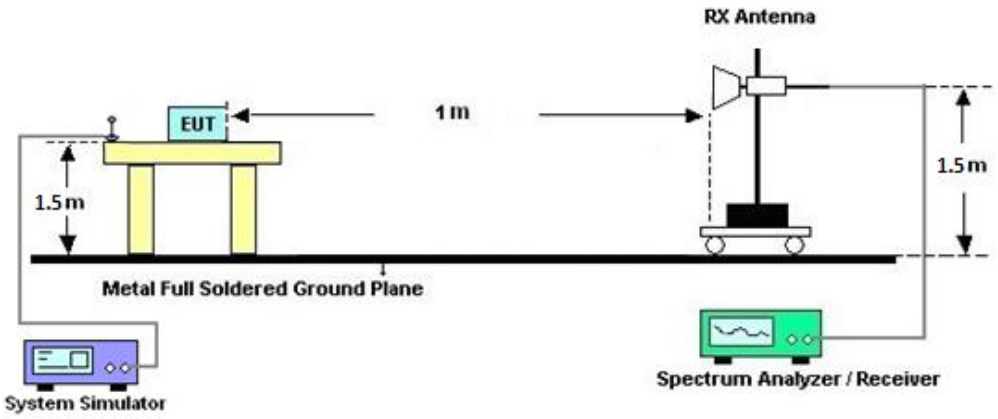
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. 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, n38, 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.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

    For 5G NR n7, n38, n41

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

    EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Nov. 05, 2022~ Nov. 17, 2022	Sep. 19, 2023	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 08, 2022	Nov. 05, 2022~ Nov. 17, 2022	Oct. 07, 2023	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Nov. 05, 2022~ Nov. 17, 2022	Feb. 05, 2023	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz ~ 18GHz	Mar. 10, 2022	Nov. 05, 2022~ Nov. 17, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Aug. 24, 2022	Nov. 05, 2022~ Nov. 17, 2022	Aug. 23, 2023	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00991	18GHz~40GHz	May 14, 2022	Nov. 05, 2022~ Nov. 17, 2022	May 13, 2023	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 30, 2021	Nov. 05, 2022~ Nov. 17, 2022	Nov. 29, 2022	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 10, 2021	Nov. 05, 2022~ Nov. 17, 2022	Dec. 09, 2022	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 10, 2021	Nov. 05, 2022~ Nov. 08, 2022	Nov. 09, 2022	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 09, 2022	Nov. 09, 2022~ Nov. 17, 2022	Nov. 08, 2023	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000 55007	1GHz~18GHz	Jun. 15, 2022	Nov. 05, 2022~ Nov. 17, 2022	Jun. 14, 2023	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Nov. 05, 2022~ Nov. 17, 2022	Jun. 27, 2023	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 07, 2022	Nov. 05, 2022~ Nov. 17, 2022	Oct. 06, 2023	Radiation (03CH11-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	Dec. 08, 2021	Nov. 05, 2022~ Nov. 17, 2022	Dec. 07, 2022	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 05, 2022~ Nov. 17, 2022	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 05, 2022~ Nov. 17, 2022	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Nov. 05, 2022~ Nov. 17, 2022	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Nov. 05, 2022~ Nov. 17, 2022	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 10, 2022	Nov. 05, 2022~ Nov. 17, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 10, 2022	Nov. 05, 2022~ Nov. 17, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30MHz-18GHz	Mar. 10, 2022	Nov. 05, 2022~ Nov. 17, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	811852/4	30MHz-18GHz	Mar. 10, 2022	Nov. 05, 2022~ Nov. 17, 2022	Mar. 09, 2023	Radiation (03CH11-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN3	3GHz High Pass Filter	Sep. 12, 2022	Nov. 05, 2022~ Nov. 17, 2022	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN12	1GHz High Pass Filter	Sep. 12, 2022	Nov. 05, 2022~ Nov. 17, 2022	Sep. 11, 2023	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 26, 2021	Nov. 05, 2022~ Nov. 17, 2022	Nov. 25, 2022	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 21, 2022	Nov. 05, 2022~ Nov. 17, 2022	Mar. 20, 2023	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262012917	FR1	Feb. 11, 2022	Nov. 05, 2022~ Nov. 17, 2022	Feb. 10, 2023	Conducted (TH03-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6201664755	LTE FDD/TDD LTE-2CC DLCA/ULCA	Aug. 01, 2022	Nov. 05, 2022~ Nov. 17, 2022	Jul. 31, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 07, 2022	Nov. 05, 2022~ Nov. 17, 2022	Jan. 06, 2023	Conducted (TH03-HY)

6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.15 dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.41 dB**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.45 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

<Main Antenna>

NR n2 Maximum Average Power [dBm] (GT - LC = -0.22 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	21.84	22.10	22.10	22.10	0.1622
5	1	23		21.97	22.14	22.07		
5	12	6		21.99	22.23	22.32		
5	1	1	QPSK	21.94	22.17	22.31		
5	1	23		22.02	22.24	22.29		
5	12	6		21.95	22.20	22.30		
5	1	1	16-QAM	20.89	20.84	21.71	21.49	0.1409
5	1	1	64-QAM	19.50	19.78	19.85		
5	1	1	256-QAM	17.19	17.31	17.57		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -0.22 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	21.82	21.92	21.92	22.09	0.1618
10	1	50		22.04	22.13	22.15		
10	25	12		21.95	22.05	22.22		
10	1	1	QPSK	21.91	22.01	22.13		
10	1	50		22.04	22.14	22.31		
10	25	12		21.93	22.12	22.21		
10	1	1	16-QAM	20.94	20.73	21.42	21.20	0.1318
10	1	1	64-QAM	19.53	19.61	19.70		
10	1	1	256-QAM	17.15	17.39	17.36		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -0.22 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	21.96	22.08	22.13	22.07	0.1611
15	1	77		22.08	22.28	22.20		
15	36	18		22.11	22.17	22.29		
15	1	1	QPSK	21.95	21.99	22.07		
15	1	77		22.02	22.22	22.15		
15	36	18		22.09	22.17	22.22		
15	1	1	16-QAM	20.97	21.05	21.11	20.89	0.1227
15	1	1	64-QAM	19.53	19.55	19.73		
15	1	1	256-QAM	17.42	17.50	17.64		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -0.22 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	21.85	21.52	22.20	22.15	0.1641
20	1	104		21.98	21.78	22.25		
20	50	25		22.08	22.25	22.30		
20	1	1	QPSK	21.81	21.98	22.15		
20	1	104		21.93	21.77	22.18		
20	50	25		22.12	22.34	22.37		
20	1	1	16-QAM	20.86	20.93	21.15	20.93	0.1239
20	1	1	64-QAM	19.42	19.64	19.74		
20	1	1	256-QAM	17.34	17.40	17.65		
Limit	EIRP < 2W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.58	23.55	23.40	21.89	0.1545
5	1	23		23.61	23.49	23.30		
5	12	6		23.67	23.50	23.39		
5	1	1	QPSK	23.51	23.42	23.29		
5	1	23		23.52	23.40	23.22		
5	12	6		23.67	23.48	23.34		
5	1	1	16-QAM	22.71	22.66	22.12	20.93	0.1239
5	1	1	64-QAM	21.27	21.11	21.38		
5	1	1	256-QAM	19.10	19.12	18.88		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.21	23.30	23.10	21.53	0.1422
10	1	50		23.07	23.27	23.08		
10	25	12		23.27	23.29	23.17		
10	1	1	QPSK	23.19	23.31	23.04		
10	1	50		23.24	23.17	23.05		
10	25	12		23.28	23.26	23.13		
10	1	1	16-QAM	22.34	22.58	22.31	20.80	0.1202
10	1	1	64-QAM	20.84	21.00	20.61		
10	1	1	256-QAM	18.84	19.14	18.70		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.46	23.44	23.30	21.69	0.1476
15	1	77		23.42	23.36	23.21		
15	36	18		23.43	23.34	23.29		
15	1	1	QPSK	23.47	23.42	23.27		
15	1	77		23.37	23.21	23.13		
15	36	18		23.43	23.35	23.35		
15	1	1	16-QAM	22.72	22.67	22.43	20.94	0.1242
15	1	1	64-QAM	21.22	21.10	20.88		
15	1	1	256-QAM	19.11	19.12	18.93		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.37	23.30	23.31	21.82	0.1521
20	1	104		23.23	23.17	23.18		
20	50	25		23.43	23.60	23.34		
20	1	1	QPSK	23.25	23.38	23.23		
20	1	104		23.21	23.23	23.21		
20	50	25		23.37	23.35	23.33		
20	1	1	16-QAM	22.57	22.55	22.48	20.79	0.1199
20	1	1	64-QAM	21.04	20.95	20.89		
20	1	1	256-QAM	18.94	18.97	18.93		
Limit	ERP < 7W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.20	22.30	22.50	24.44	0.2780
5	1	23		22.25	22.35	22.54		
5	12	6		22.33	22.41	22.53		
5	1	1	QPSK	22.20	22.30	22.45		
5	1	23		22.28	22.30	22.56		
5	12	6		22.34	22.41	22.47		
5	1	1	16-QAM	21.58	21.59	21.75	23.63	0.2307
5	1	1	64-QAM	19.74	19.87	19.92		
5	1	1	256-QAM	18.07	18.08	18.12		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	22.09	22.13	22.31	24.25	0.2661
10	1	50		22.21	22.26	22.34		
10	25	12		22.09	22.11	22.27		
10	1	1	QPSK	21.98	22.16	22.20		
10	1	50		22.21	22.20	22.37		
10	25	12		22.10	22.15	22.28		
10	1	1	16-QAM	21.35	21.55	21.46	23.43	0.2203
10	1	1	64-QAM	19.55	19.71	19.72		
10	1	1	256-QAM	17.75	17.89	18.07		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.11	22.19	22.48	24.51	0.2825
15	1	77		22.33	22.36	22.59		
15	36	18		22.27	22.27	22.50		
15	1	1	QPSK	22.13	22.18	22.40		
15	1	77		22.34	22.28	22.63		
15	36	18		22.32	22.26	22.53		
15	1	1	16-QAM	21.46	21.07	21.62	23.50	0.2239
15	1	1	64-QAM	19.65	19.69	19.94		
15	1	1	256-QAM	17.87	17.93	18.15		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.01	22.15	22.36	24.34	0.2716
20	1	104		22.32	22.25	22.46		
20	50	25		22.29	22.24	22.45		
20	1	1	QPSK	22.03	22.17	22.32		
20	1	104		22.27	22.29	22.45		
20	50	25		22.22	22.22	22.42		
20	1	1	16-QAM	21.33	21.37	21.55	23.43	0.2203
20	1	1	64-QAM	19.57	19.63	19.84		
20	1	1	256-QAM	17.78	17.87	17.99		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -0.06 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.03	22.33	22.29	22.37	0.1726
5	1	23		22.14	22.36	22.18		
5	12	6		22.19	22.41	22.37		
5	1	1	QPSK	22.00	22.30	22.25		
5	1	23		22.09	22.37	22.13		
5	12	6		22.22	22.40	22.43		
5	1	1	16-QAM	21.05	21.35	21.29	21.29	0.1346
5	1	1	64-QAM	19.47	19.83	19.82		
5	1	1	256-QAM	17.49	17.72	17.73		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -0.06 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	22.03	22.15	22.17	22.26	0.1683
10	1	50		22.21	22.32	22.17		
10	25	12		22.17	22.30	22.23		
10	1	1	QPSK	21.96	22.09	22.17		
10	1	50		22.08	22.32	22.17		
10	25	12		22.18	22.25	22.29		
10	1	1	16-QAM	20.99	21.16	21.12	21.10	0.1288
10	1	1	64-QAM	19.52	19.21	19.68		
10	1	1	256-QAM	17.45	17.61	17.62		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -0.06 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.09	22.30	22.23	22.42	0.1746
15	1	77		22.21	22.44	22.29		
15	36	18		22.27	22.41	22.48		
15	1	1	QPSK	22.06	22.24	22.30		
15	1	77		22.18	22.40	22.31		
15	36	18		22.23	22.48	22.43		
15	1	1	16-QAM	21.07	21.26	21.25	21.20	0.1318
15	1	1	64-QAM	19.61	19.77	19.87		
15	1	1	256-QAM	17.56	17.68	17.80		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -0.06 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	21.99	22.12	22.37	22.48	0.1770
20	1	104		22.09	22.40	22.25		
20	50	25		22.23	22.44	22.54		
20	1	1	QPSK	21.92	22.09	22.31		
20	1	104		22.07	22.37	22.24		
20	50	25		22.22	22.43	22.47		
20	1	1	16-QAM	21.01	21.12	21.37	21.31	0.1352
20	1	1	64-QAM	19.56	19.63	19.99		
20	1	1	256-QAM	17.57	17.60	17.84		
Limit	EIRP < 2W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.17	22.18	22.10	23.81	0.2404
5	1	23		22.14	22.26	22.22		
5	12	6		22.23	22.19	22.23		
5	1	1	QPSK	22.08	22.12	22.09		
5	1	23		22.14	22.08	22.11		
5	12	6		22.23	22.20	22.26		
5	1	1	16-QAM	20.99	21.05	21.15	22.70	0.1862
5	1	1	64-QAM	19.62	19.74	19.56		
5	1	1	256-QAM	17.59	17.56	17.56		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	22.14	22.20	22.06	23.81	0.2404
10	1	50		22.26	22.15	22.23		
10	25	12		22.15	22.10	22.07		
10	1	1	QPSK	22.03	22.04	22.07		
10	1	50		22.23	22.08	22.20		
10	25	12		22.13	22.05	22.14		
10	1	1	16-QAM	21.00	21.03	20.98	22.58	0.1811
10	1	1	64-QAM	19.63	19.71	19.53		
10	1	1	256-QAM	17.51	17.61	17.49		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.16	22.22	22.14	23.89	0.2449
15	1	77		22.31	22.25	22.23		
15	36	18		22.34	22.24	22.15		
15	1	1	QPSK	22.18	22.16	22.02		
15	1	77		22.24	22.16	22.23		
15	36	18		22.32	22.24	22.13		
15	1	1	16-QAM	21.05	21.08	21.05	22.63	0.1832
15	1	1	64-QAM	19.70	19.82	19.56		
15	1	1	256-QAM	17.58	17.71	17.47		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.03	22.22	21.95	23.78	0.2388
20	1	104		22.21	22.12	22.21		
20	50	25		22.21	22.21	22.13		
20	1	1	QPSK	22.01	22.08	21.96		
20	1	104		22.18	22.05	22.12		
20	50	25		22.23	22.16	22.09		
20	1	1	16-QAM	21.01	21.13	20.91	22.68	0.1854
20	1	1	64-QAM	19.61	19.67	19.43		
20	1	1	256-QAM	17.45	17.60	17.40		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	21.77	21.85	21.72	23.81	0.2404
40	1	214		21.78	21.72	21.81		
40	108	54		22.24	22.22	22.06		
40	1	1	QPSK	21.69	21.71	21.70		
40	1	214		21.75	21.64	21.71		
40	108	54		22.26	22.23	22.13		
40	1	1	16-QAM	20.57	20.65	20.70	22.25	0.1679
40	1	1	64-QAM	18.86	19.19	19.10		
40	1	1	256-QAM	17.06	17.16	17.16		
Limit	EIRP < 1W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.40	23.21	23.19	20.89	0.1227
5	1	23		23.28	23.19	23.14		
5	12	6		23.43	23.29	23.25		
5	1	1	QPSK	23.34	23.18	23.22		
5	1	23		23.26	23.14	23.13		
5	12	6		23.32	23.25	23.15		
5	1	1	16-QAM	22.47	22.35	22.52	19.98	0.0995
5	1	1	64-QAM	20.91	20.85	21.05		
5	1	1	256-QAM	19.03	18.85	18.97		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.33	23.12	22.92	20.86	0.1219
10	1	50		23.40	23.21	22.98		
10	25	12		23.34	23.10	23.13		
10	1	1	QPSK	23.31	23.05	22.84		
10	1	50		23.24	23.03	23.02		
10	25	12		23.33	23.09	23.10		
10	1	1	16-QAM	22.59	22.42	22.07	20.05	0.1012
10	1	1	64-QAM	20.99	20.92	20.42		
10	1	1	256-QAM	18.95	18.82	18.54		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.35	23.09	23.19	20.85	0.1216
15	1	77		23.29	23.13	23.17		
15	36	18		23.39	23.20	23.18		
15	1	1	QPSK	23.30	23.15	23.18		
15	1	77		23.25	23.08	23.13		
15	36	18		23.33	23.27	23.16		
15	1	1	16-QAM	22.43	22.35	22.50	19.96	0.0991
15	1	1	64-QAM	20.88	20.77	20.87		
15	1	1	256-QAM	18.97	18.82	18.88		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.17	23.39	23.17	20.98	0.1253
20	1	104		23.15	23.30	23.17		
20	50	25		23.30	23.43	23.33		
20	1	1	QPSK	23.15	23.37	23.17		
20	1	104		23.06	23.30	23.23		
20	50	25		23.18	23.52	23.37		
20	1	1	16-QAM	22.55	22.57	22.34	20.03	0.1007
20	1	1	64-QAM	21.07	21.02	20.85		
20	1	1	256-QAM	18.95	18.99	18.77		
Limit	ERP < 3W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 1.84 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	21.97	22.17	22.06	24.14	0.2594
5	1	23		21.99	22.30	22.10		
5	12	6		22.15	22.29	22.15		
5	1	1	QPSK	22.18	22.25	22.26		
5	1	23		22.16	22.27	22.20		
5	12	6		22.14	22.22	22.21		
5	1	1	16-QAM	21.50	21.46	21.50	23.34	0.2158
5	1	1	64-QAM	19.71	19.88	19.80		
5	1	1	256-QAM	17.86	18.06	17.90		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 1.84 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	21.83	22.07	22.01	24.03	0.2529
10	1	50		21.93	22.19	22.05		
10	25	12		21.99	22.15	22.05		
10	1	1	QPSK	22.01	22.13	22.11		
10	1	50		22.16	22.13	22.11		
10	25	12		22.01	22.14	22.08		
10	1	1	16-QAM	21.35	21.52	21.51	23.36	0.2168
10	1	1	64-QAM	19.58	19.80	19.85		
10	1	1	256-QAM	17.66	17.87	17.81		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 1.84 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.02	22.16	22.24	24.20	0.2630
15	1	77		22.17	22.32	22.24		
15	36	18		22.17	22.33	22.35		
15	1	1	QPSK	22.15	22.24	22.36		
15	1	77		22.33	22.27	22.32		
15	36	18		22.24	22.31	22.31		
15	1	1	16-QAM	21.57	21.59	21.73	23.57	0.2275
15	1	1	64-QAM	20.06	20.12	20.12		
15	1	1	256-QAM	17.86	17.93	18.14		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 1.84 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.08	22.17	22.22	24.26	0.2667
20	1	104		22.19	22.28	22.24		
20	50	25		22.30	22.33	22.35		
20	1	1	QPSK	22.05	22.19	22.28		
20	1	104		22.31	22.24	22.21		
20	50	25		22.30	22.42	22.41		
20	1	1	16-QAM	21.45	21.53	21.62	23.46	0.2218
20	1	1	64-QAM	19.70	19.86	19.96		
20	1	1	256-QAM	17.78	17.91	17.99		
Limit	EIRP < 2W			Result			Pass	

<SCS 15kHz>

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.51	24.66	23.92	27.49	0.5610
10	1	50		25.31	25.00	22.62		
10	25	12		25.38	24.57	23.72		
10	1	1	QPSK	25.62	24.58	23.81		
10	1	50		25.39	24.93	22.71		
10	25	12		25.34	24.56	23.71		
10	1	1	16-QAM	24.54	23.70	22.91	26.41	0.4375
10	1	1	64-QAM	23.02	21.92	21.25		
10	1	1	256-QAM	20.97	20.16	19.54		
Limit	Power < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.67	25.11	25.07	27.90	0.6166
15	1	77		25.28	25.39	25.13		
15	36	18		25.54	24.68	25.12		
15	1	1	QPSK	25.87	24.80	26.03		
15	1	77		25.29	25.14	25.26		
15	36	18		25.56	24.75	25.03		
15	1	1	16-QAM	24.58	24.20	23.98	26.45	0.4416
15	1	1	64-QAM	23.20	22.48	22.26		
15	1	1	256-QAM	21.16	20.67	20.70		
Limit	Power < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.30	25.49	25.74	28.50	0.7079
30	1	158		24.22	25.88	24.94		
30	80	40		25.90	25.68	25.76		
30	1	1	QPSK	26.25	25.21	26.63		
30	1	158		24.07	25.86	24.97		
30	80	40		25.86	25.62	25.68		
30	1	1	16-QAM	25.67	25.10	25.05	27.54	0.5675
30	1	1	64-QAM	23.88	22.91	23.07		
30	1	1	256-QAM	21.97	21.09	21.44		
Limit	Power < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.08	25.17	25.65	28.41	0.6934
40	1	214		24.21	25.60	25.05		
40	108	54		25.23	25.49	25.90		
40	1	1	QPSK	26.17	25.10	26.54		
40	1	214		24.14	25.53	25.19		
40	108	54		25.07	25.63	25.80		
40	1	1	16-QAM	25.29	24.49	25.10	27.16	0.5200
40	1	1	64-QAM	23.40	22.41	23.14		
40	1	1	256-QAM	21.76	20.65	21.34		
Limit	Power < 2W			Result			Pass	

<SCS 30kHz>

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.41	24.72	23.59	27.28	0.5346
10	1	22		25.21	24.91	22.39		
10	12	6		25.35	24.61	23.68		
10	1	1	QPSK	25.37	24.43	23.72		
10	1	22		25.14	24.61	22.59		
10	12	6		25.41	24.61	22.62		
10	1	1	16-QAM	24.17	23.43	22.67	26.04	0.4018
10	1	1	64-QAM	22.80	21.90	21.17		
10	1	1	256-QAM	21.04	20.14	19.41		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.39	24.65	24.14	27.26	0.5321
15	1	36		25.04	24.93	22.76		
15	18	9		25.33	24.56	23.97		
15	1	1	QPSK	25.36	24.45	23.93		
15	1	36		25.01	24.76	22.88		
15	18	9		25.35	24.57	23.93		
15	1	1	16-QAM	24.45	23.52	22.97	26.32	0.4285
15	1	1	64-QAM	22.85	21.87	21.41		
15	1	1	256-QAM	21.04	20.07	19.67		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.17	24.24	24.21	27.04	0.5058
30	1	76		23.84	24.85	23.64		
30	36	18		25.02	24.47	24.16		
30	1	1	QPSK	25.12	24.21	24.16		
30	1	76		23.84	24.85	23.71		
30	36	18		25.02	24.48	24.15		
30	1	1	16-QAM	24.23	23.23	23.26	26.10	0.4074
30	1	1	64-QAM	22.62	21.71	21.57		
30	1	1	256-QAM	20.91	19.94	19.85		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.15	24.06	24.17	27.02	0.5035
40	1	104		22.84	24.60	23.75		
40	50	25		24.81	24.62	24.45		
40	1	1	QPSK	25.11	24.00	24.15		
40	1	104		22.79	24.63	23.73		
40	50	25		24.83	24.61	24.50		
40	1	1	16-QAM	24.04	22.90	23.10	25.91	0.3899
40	1	1	64-QAM	22.62	21.61	22.07		
40	1	1	256-QAM	20.65	19.55	19.96		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.13	24.20	23.72	27.03	0.5047
50	1	131		23.08	24.18	24.04		
50	64	32		24.63	24.72	24.68		
50	1	1	QPSK	25.16	24.17	23.69		
50	1	131		23.06	24.16	24.05		
50	64	32		24.48	24.74	24.71		
50	1	1	16-QAM	24.17	23.12	23.07	26.04	0.4018
50	1	1	64-QAM	22.81	21.85	22.58		
50	1	1	256-QAM	20.78	19.85	20.16		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	24.67	23.54	24.16	26.62	0.4592
80	1	215		23.46	23.98	23.55		
80	108	54		24.09	24.17	24.39		
80	1	1	QPSK	24.75	23.74	24.23		
80	1	215		23.41	23.93	23.67		
80	108	54		23.95	24.17	24.33		
80	1	1	16-QAM	24.13	22.49	23.17	26.00	0.3981
80	1	1	64-QAM	22.39	21.21	21.77		
80	1	1	256-QAM	20.37	19.16	19.86		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	24.34	23.13	23.13	26.34	0.4305
100	1	271		23.05	23.37	23.34		
100	135	67		23.97	24.16	24.47		
100	1	1	QPSK	24.33	23.25	23.34		
100	1	271		23.11	23.29	23.45		
100	135	67		23.87	24.15	24.32		
100	1	1	16-QAM	23.38	21.97	22.14	25.25	0.3350
100	1	1	64-QAM	22.02	20.72	20.66		
100	1	1	256-QAM	20.06	18.78	18.86		
Limit	EIRP < 2W			Result			Pass	

<MIMO 2 Antenna>

NR n2 Maximum Average Power [dBm] (GT - LC = 0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.22	22.59	22.32	22.91	0.1954
5	1	23		22.33	22.61	22.34		
5	12	6		22.37	22.64	22.71		
5	1	1	QPSK	22.19	22.57	22.47		
5	1	23		22.31	22.60	22.47		
5	12	6		22.35	22.65	22.64		
5	1	1	16-QAM	21.31	21.91	22.12	22.32	0.1706
5	1	1	64-QAM	19.82	20.01	20.01		
5	1	1	256-QAM	17.74	18.03	17.92		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	22.17	22.38	22.18	22.77	0.1892
10	1	50		22.38	22.55	22.36		
10	25	12		22.36	22.56	22.51		
10	1	1	QPSK	22.14	22.36	22.31		
10	1	50		22.31	22.57	22.47		
10	25	12		22.35	22.53	22.51		
10	1	1	16-QAM	21.83	21.74	22.01	22.21	0.1663
10	1	1	64-QAM	19.67	19.73	19.82		
10	1	1	256-QAM	17.65	17.80	17.77		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.19	22.50	22.30	22.95	0.1972
15	1	77		22.41	22.73	22.47		
15	36	18		22.49	22.68	22.57		
15	1	1	QPSK	22.29	22.49	22.34		
15	1	77		22.36	22.75	22.55		
15	36	18		22.48	22.70	22.52		
15	1	1	16-QAM	21.95	21.82	21.36	22.15	0.1641
15	1	1	64-QAM	19.68	19.92	19.81		
15	1	1	256-QAM	17.77	17.97	17.81		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.18	22.48	22.40	22.91	0.1954
20	1	104		22.30	22.71	22.48		
20	50	25		22.50	22.69	22.57		
20	1	1	QPSK	22.26	22.41	22.35		
20	1	104		22.09	22.61	22.50		
20	50	25		22.49	22.70	22.57		
20	1	1	16-QAM	21.47	21.78	21.99	22.19	0.1656
20	1	1	64-QAM	19.24	19.79	19.77		
20	1	1	256-QAM	17.74	17.81	17.85		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.03	22.17	22.34	24.79	0.3013
5	1	23		21.99	22.16	22.51		
5	12	6		22.09	22.19	22.47		
5	1	1	QPSK	21.96	22.09	22.34		
5	1	23		22.02	22.09	22.43		
5	12	6		22.04	22.11	22.45		
5	1	1	16-QAM	21.21	21.34	21.70	23.98	0.2500
5	1	1	64-QAM	19.32	19.32	19.57		
5	1	1	256-QAM	17.35	17.47	17.79		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	21.71	22.01	22.22	24.63	0.2904
10	1	50		21.90	22.12	22.35		
10	25	12		21.78	21.97	22.24		
10	1	1	QPSK	21.72	21.97	22.16		
10	1	50		21.87	22.02	22.31		
10	25	12		21.77	22.00	22.21		
10	1	1	16-QAM	21.02	21.24	21.68	23.96	0.2489
10	1	1	64-QAM	19.01	19.32	19.61		
10	1	1	256-QAM	17.09	17.36	17.61		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	21.86	22.03	22.52	24.84	0.3048
15	1	77		22.10	22.17	22.52		
15	36	18		22.00	22.13	22.49		
15	1	1	QPSK	21.88	22.05	22.42		
15	1	77		22.06	22.21	22.56		
15	36	18		22.07	22.19	22.55		
15	1	1	16-QAM	21.21	21.32	21.82	24.10	0.2570
15	1	1	64-QAM	19.12	19.29	19.67		
15	1	1	256-QAM	17.30	17.46	17.82		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	21.88	22.01	22.30	27.34	0.5420
20	1	104		22.14	22.22	22.43		
20	50	25		25.06	22.19	22.41		
20	1	1	QPSK	21.83	22.01	22.27		
20	1	104		22.09	22.16	22.41		
20	50	25		22.04	22.20	22.40		
20	1	1	16-QAM	21.13	21.32	21.78	24.06	0.2547
20	1	1	64-QAM	19.10	19.32	19.74		
20	1	1	256-QAM	17.25	17.34	17.70		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.40	22.64	22.54	23.17	0.2075
5	1	23		22.41	22.73	22.35		
5	12	6		22.62	22.76	22.75		
5	1	1	QPSK	21.91	22.67	22.53		
5	1	23		22.05	22.71	22.51		
5	12	6		22.64	22.78	22.70		
5	1	1	16-QAM	21.67	22.01	22.24	22.63	0.1832
5	1	1	64-QAM	19.44	20.07	20.30		
5	1	1	256-QAM	17.94	17.99	17.97		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	22.36	22.48	22.39	23.04	0.2014
10	1	50		22.10	22.64	22.42		
10	25	12		22.63	22.53	22.60		
10	1	1	QPSK	22.38	22.51	22.46		
10	1	50		22.54	22.65	22.51		
10	25	12		22.55	22.59	22.61		
10	1	1	16-QAM	22.05	21.84	22.11	22.50	0.1778
10	1	1	64-QAM	19.94	19.79	19.95		
10	1	1	256-QAM	17.84	17.85	17.95		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.44	22.12	22.52	23.63	0.2307
15	1	77		22.64	22.78	22.54		
15	36	18		22.77	22.76	22.77		
15	1	1	QPSK	22.51	22.08	22.57		
15	1	77		22.64	23.24	22.70		
15	36	18		22.75	22.75	22.76		
15	1	1	16-QAM	22.20	22.08	22.32	22.71	0.1866
15	1	1	64-QAM	20.02	20.12	20.16		
15	1	1	256-QAM	18.02	18.16	18.08		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.34	22.52	22.60	23.21	0.2094
20	1	104		22.52	22.70	22.55		
20	50	25		22.70	22.77	22.81		
20	1	1	QPSK	22.46	22.51	22.57		
20	1	104		22.02	22.67	22.64		
20	50	25		22.70	22.82	22.81		
20	1	1	16-QAM	22.05	21.91	22.15	22.54	0.1795
20	1	1	64-QAM	19.45	19.82	19.93		
20	1	1	256-QAM	17.93	17.90	18.02		
Limit	EIRP < 2W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.52	22.56	23.04	24.27	0.2673
5	1	23		22.56	22.57	23.04		
5	12	6		22.59	22.51	23.12		
5	1	1	QPSK	22.46	22.42	23.05		
5	1	23		22.47	22.43	23.01		
5	12	6		22.59	22.52	23.14		
5	1	1	16-QAM	21.85	21.49	22.70	23.83	0.2415
5	1	1	64-QAM	19.75	19.78	20.51		
5	1	1	256-QAM	17.90	17.72	18.47		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	22.46	22.40	22.90	24.12	0.2582
10	1	50		22.57	22.42	22.99		
10	25	12		22.46	22.29	22.97		
10	1	1	QPSK	22.41	22.23	22.88		
10	1	50		22.50	22.39	22.94		
10	25	12		22.47	22.29	22.94		
10	1	1	16-QAM	21.45	21.67	22.34	23.47	0.2223
10	1	1	64-QAM	19.85	19.61	20.24		
10	1	1	256-QAM	17.82	17.64	18.32		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.51	22.53	22.91	24.14	0.2594
15	1	77		22.57	22.54	22.97		
15	36	18		22.62	22.49	22.97		
15	1	1	QPSK	22.45	22.37	22.97		
15	1	77		22.56	22.44	23.01		
15	36	18		22.59	22.46	22.99		
15	1	1	16-QAM	21.94	21.78	22.41	23.54	0.2259
15	1	1	64-QAM	19.79	19.77	20.41		
15	1	1	256-QAM	17.82	17.81	18.36		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.45	22.50	22.90	24.10	0.2570
20	1	104		22.54	22.54	22.94		
20	50	25		22.62	22.47	22.95		
20	1	1	QPSK	22.42	22.41	22.85		
20	1	104		22.40	22.42	22.85		
20	50	25		22.58	22.53	22.97		
20	1	1	16-QAM	21.92	21.77	22.21	23.34	0.2158
20	1	1	64-QAM	19.77	19.62	20.25		
20	1	1	256-QAM	17.84	17.84	18.26		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	22.26	22.18	22.25	23.87	0.2438
40	1	214		22.11	22.09	22.24		
40	108	54		22.50	22.49	22.74		
40	1	1	QPSK	22.14	22.12	22.27		
40	1	214		22.05	22.04	22.21		
40	108	54		22.45	22.52	22.74		
40	1	1	16-QAM	21.20	21.32	21.57	22.70	0.1862
40	1	1	64-QAM	19.39	19.35	19.67		
40	1	1	256-QAM	17.31	17.39	17.68		
Limit	EIRP < 1W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 1.79 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.05	22.59	21.99	24.47	0.2799
5	1	23		22.10	22.60	22.00		
5	12	6		22.30	22.68	22.13		
5	1	1	QPSK	22.17	22.39	22.14		
5	1	23		22.26	22.49	22.15		
5	12	6		22.30	22.67	22.14		
5	1	1	16-QAM	21.40	21.76	21.01	23.55	0.2265
5	1	1	64-QAM	20.07	20.47	19.55		
5	1	1	256-QAM	17.75	18.05	17.58		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 1.79 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	21.87	22.43	21.91	24.35	0.2723
10	1	50		22.05	22.51	21.87		
10	25	12		22.08	22.51	21.91		
10	1	1	QPSK	22.01	22.52	22.02		
10	1	50		22.21	22.56	21.99		
10	25	12		22.12	22.51	21.98		
10	1	1	16-QAM	21.22	21.61	20.95	23.40	0.2188
10	1	1	64-QAM	19.43	20.04	19.46		
10	1	1	256-QAM	17.56	18.11	17.50		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 1.79 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.04	22.61	22.21	24.53	0.2838
15	1	77		22.29	22.64	22.24		
15	36	18		22.34	22.74	22.38		
15	1	1	QPSK	22.13	22.61	22.47		
15	1	77		22.37	22.66	22.33		
15	36	18		22.33	22.71	22.40		
15	1	1	16-QAM	20.92	21.69	21.43	23.48	0.2228
15	1	1	64-QAM	19.65	20.12	19.92		
15	1	1	256-QAM	17.72	18.11	17.87		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 1.79 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.12	22.52	22.37	24.47	0.2799
20	1	104		22.46	22.55	22.25		
20	50	25		22.51	22.62	22.33		
20	1	1	QPSK	22.25	22.60	22.43		
20	1	104		22.46	22.65	22.30		
20	50	25		22.55	22.68	22.37		
20	1	1	16-QAM	21.33	21.52	21.22	23.31	0.2143
20	1	1	64-QAM	19.58	20.03	19.73		
20	1	1	256-QAM	17.74	18.07	17.70		
Limit	EIRP < 2W			Result			Pass	

<SCS 15kHz>

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.63	25.49	25.65	28.00	0.6310
10	1	50		25.72	25.63	25.47		
10	25	12		25.63	25.60	25.26		
10	1	1	QPSK	25.58	25.58	25.56		
10	1	50		25.66	25.72	25.47		
10	25	12		25.61	25.59	25.62		
10	1	1	16-QAM	24.85	24.82	24.81	27.13	0.5164
10	1	1	64-QAM	22.75	22.93	23.12		
10	1	1	256-QAM	20.72	20.67	20.58		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.83	25.78	25.79	28.35	0.6839
15	1	77		25.83	26.03	25.65		
15	36	18		25.86	25.93	25.95		
15	1	1	QPSK	25.73	25.89	25.77		
15	1	77		25.78	26.07	25.62		
15	36	18		25.85	25.95	25.93		
15	1	1	16-QAM	24.76	25.15	24.68	27.43	0.5534
15	1	1	64-QAM	23.58	23.13	23.21		
15	1	1	256-QAM	20.88	20.81	20.65		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.42	25.53	25.74	28.18	0.6577
30	1	158		25.36	25.81	25.71		
30	80	40		25.68	25.83	25.90		
30	1	1	QPSK	25.47	25.53	25.75		
30	1	158		25.41	25.83	25.68		
30	80	40		25.67	25.82	25.83		
30	1	1	16-QAM	24.98	24.85	24.52	27.26	0.5321
30	1	1	64-QAM	22.78	23.44	23.25		
30	1	1	256-QAM	20.53	20.62	20.58		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.12	25.27	25.56	28.26	0.6699
40	1	214		25.13	25.56	25.44		
40	108	54		25.09	25.80	25.96		
40	1	1	QPSK	25.17	25.22	25.61		
40	1	214		25.21	25.52	25.42		
40	108	54		25.53	25.75	25.98		
40	1	1	16-QAM	23.42	24.74	24.24	27.02	0.5035
40	1	1	64-QAM	22.51	23.25	23.05		
40	1	1	256-QAM	20.35	20.68	20.85		
Limit	EIRP < 2W			Result			Pass	

<SCS 30kHz>

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.89	25.94	25.46	28.22	0.6637
10	1	22		25.94	25.92	25.16		
10	12	6		25.86	25.89	25.48		
10	1	1	QPSK	25.82	25.76	25.27		
10	1	22		25.81	25.79	25.16		
10	12	6		25.91	25.86	25.45		
10	1	1	16-QAM	24.65	24.76	24.36	27.04	0.5058
10	1	1	64-QAM	23.16	23.41	22.95		
10	1	1	256-QAM	21.15	21.21	20.75		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.94	25.93	25.62	28.26	0.6699
15	1	36		25.89	25.98	25.42		
15	18	9		25.93	25.89	25.62		
15	1	1	QPSK	25.86	25.78	25.46		
15	1	36		25.82	25.83	25.36		
15	18	9		25.92	25.87	25.62		
15	1	1	16-QAM	24.86	24.79	24.62	27.14	0.5176
15	1	1	64-QAM	23.25	23.39	23.21		
15	1	1	256-QAM	21.12	21.22	20.96		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.61	25.56	25.43	28.11	0.6471
30	1	76		25.52	25.77	25.35		
30	36	18		25.78	25.82	25.65		
30	1	1	QPSK	25.53	25.58	25.42		
30	1	76		25.49	25.78	25.32		
30	36	18		25.82	25.83	25.67		
30	1	1	16-QAM	24.53	24.56	24.53	26.84	0.4831
30	1	1	64-QAM	23.02	23.15	23.01		
30	1	1	256-QAM	21.03	21.05	20.89		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.36	25.43	25.35	28.14	0.6516
40	1	104		25.37	25.73	25.16		
40	50	25		25.64	25.84	25.57		
40	1	1	QPSK	25.35	25.48	25.23		
40	1	104		25.32	25.73	25.15		
40	50	25		25.65	25.86	25.57		
40	1	1	16-QAM	24.06	24.46	24.34	26.74	0.4721
40	1	1	64-QAM	22.67	22.96	22.85		
40	1	1	256-QAM	20.68	20.95	20.63		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.71	25.72	25.67	28.22	0.6637
50	1	131		25.66	25.87	25.39		
50	64	32		25. 77	25.94	25.78		
50	1	1	QPSK	25.67	25.66	25.54		
50	1	131		25.66	25.86	25.39		
50	64	32		25.76	25.93	25.75		
50	1	1	16-QAM	24.38	24.76	24.76	27.04	0.5058
50	1	1	64-QAM	23.09	23.23	23.25		
50	1	1	256-QAM	21.12	21.19	21.03		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.06	25.07	25.32	28.07	0.6412
80	1	215		25.34	25.28	25.02		
80	108	54		25.53	25.77	25.64		
80	1	1	QPSK	25.03	25.08	25.35		
80	1	215		25.25	25.26	24.98		
80	108	54		25.58	25.79	25.57		
80	1	1	16-QAM	23.86	23.98	24.26	26.54	0.4508
80	1	1	64-QAM	22.56	22.53	22.86		
80	1	1	256-QAM	20.88	20.83	20.83		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	24.83	24.77	24.76	28.06	0.6397
100	1	271		25.04	24.93	24.75		
100	135	67		25.53	25.77	25.61		
100	1	1	QPSK	24.78	24.88	24.82		
100	1	271		24.95	25.03	24.78		
100	135	67		25.58	25.78	25.65		
100	1	1	16-QAM	23.56	23.72	23.64	26.00	0.3981
100	1	1	64-QAM	22.18	22.31	22.25		
100	1	1	256-QAM	20.76	20.59	20.25		
Limit	EIRP < 2W			Result			Pass	

Appendix B. Test Results of Radiated Test

<Sample 1>

5G NR n25 (Ant. Main)

NR n25 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-57.03	-13	-44.03	-75.66	-63.4	5.93	12.30	H
	5553	-51.10	-13	-38.10	-74.83	-56.66	7.74	13.31	H
	7404	-48.85	-13	-35.85	-79.17	-51.33	8.72	11.20	H
									H
									H
									H
	-56.98	-13	-43.98	-75.66	-63.35	5.93	12.30	-56.98	V
	-50.79	-13	-37.79	-74.83	-56.35	7.74	13.31	-50.79	V
	-48.66	-13	-35.66	-78.89	-51.14	8.72	11.20	-48.66	V
									V
									V
									V
Middle	3747	-56.47	-13	-43.47	-75.18	-62.8	5.97	12.30	H
	5621	-53.25	-13	-40.25	-76.83	-58.89	7.80	13.44	H
	7494	-48.54	-13	-35.54	-78.61	-50.98	8.76	11.20	H
									H
									H
									H
	3747	-56.32	-13	-43.32	-75.12	-62.65	5.97	12.30	V
	5621	-50.41	-13	-37.41	-74.46	-56.05	7.80	13.44	V
	7494	-48.70	-13	-35.70	-78.7	-51.14	8.76	11.20	V
									V
									V
									V

Highest	3792	-56.35	-13	-43.35	-75.15	-62.64	6.01	12.30	H
	5688	-53.42	-13	-40.42	-77.14	-59.07	7.85	13.50	H
	7584	-48.80	-13	-35.80	-78.39	-51.54	8.80	11.54	H
									H
									H
									H
	3792	-56.73	-13	-43.73	-75.66	-63.02	6.01	12.30	V
	5688	-53.36	-13	-40.36	-77.53	-59.01	7.85	13.50	V
	7584	-48.24	-13	-35.24	-78.44	-50.98	8.80	11.54	V
									V
									V
									V

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

5G NR n2 (Ant. Main)

NR n2 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-57.18	-13	-44.18	-75.81	-63.55	5.93	12.30	H
	5553	-52.43	-13	-39.43	-76.16	-57.99	7.74	13.31	H
	7404	-49.01	-13	-36.01	-79.33	-51.49	8.72	11.20	H
									H
									H
									H
									H
	3702	-56.93	-13	-43.93	-75.61	-63.3	5.93	12.30	V
	5553	-51.83	-13	-38.83	-75.87	-57.39	7.74	13.31	V
	7404	-49.49	-13	-36.49	-79.72	-51.97	8.72	11.20	V
									V
									V
									V
									V
Middle	3742	-56.89	-13	-43.89	-75.59	-63.23	5.96	12.30	H
	5613	-54.67	-13	-41.67	-78.23	-60.3	7.79	13.43	H
	7484	-49.12	-13	-36.12	-79.22	-51.57	8.75	11.20	H
									H
									H
									H
									H
	3742	-56.74	-13	-43.74	-75.53	-63.08	5.96	12.30	V
	5613	-54.17	-13	-41.17	-78.2	-59.8	7.79	13.43	V
	7484	-49.34	-13	-36.34	-79.37	-51.79	8.75	11.20	V
									V
									V
									V
									V

Highest	3782	-57.16	-13	-44.16	-75.93	-63.46	6.00	12.30	H
	5673	-54.10	-13	-41.10	-77.79	-59.76	7.84	13.50	H
	7564	-49.48	-13	-36.48	-79.19	-52.15	8.79	11.46	H
									H
									H
									H
									H
	3782	-56.94	-13	-43.94	-75.83	-63.24	6.00	12.30	V
	5673	-52.41	-13	-39.41	-76.55	-58.07	7.84	13.50	V
	7564	-49.25	-13	-36.25	-79.4	-51.92	8.79	11.46	V
									V
									V
									V
									V

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

5G NR n66 (Ant. Main)

NR n66 / 40MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3422	-57.52	-13	-44.52	-75.1	-64.35	5.67	12.50	H
	5133	-54.49	-13	-41.49	-76.78	-59.41	7.55	12.47	H
	6844	-49.07	-13	-36.07	-77.38	-52.84	8.44	12.21	H
									H
									H
									H
									H
	3422	-56.97	-13	-43.97	-75.03	-63.80	5.67	12.50	V
	5133	-54.28	-13	-41.28	-76.58	-59.20	7.55	12.47	V
	6844	-49.60	-13	-36.60	-77.85	-53.37	8.44	12.21	V
									V
									V
									V
									V
Middle	3452	-57.61	-13	-44.61	-75.46	-64.41	5.70	12.50	H
	5178	-48.63	-13	-35.63	-71.08	-53.79	7.56	12.72	H
	6904	-49.70	-13	-36.70	-77.73	-53.21	8.48	11.99	H
									H
									H
									H
									H
	3452	-56.19	-13	-43.19	-74.45	-62.99	5.70	12.50	V
	5178	-51.22	-13	-38.22	-73.66	-56.38	7.56	12.72	V
	6904	-49.10	-13	-36.10	-77.55	-52.61	8.48	11.99	V
									V
									V
									V
									V

Highest	3482	-57.14	-13	-44.14	-75.25	-63.85	5.72	12.44	H
	5223	-54.48	-13	-41.48	-77.16	-59.93	7.58	13.04	H
	6964	-49.73	-13	-36.73	-77.46	-53.11	8.52	11.90	H
									H
									H
									H
									H
	3482	-56.90	-13	-43.90	-75.36	-63.61	5.72	12.44	V
	5223	-54.46	-13	-41.46	-77.11	-59.91	7.58	13.04	V
	6964	-48.59	-13	-35.59	-77.22	-51.97	8.52	11.90	V
									V
									V
									V
									V

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

5G NR n38 (Ant. Main)

NR n38 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5142	-56.75	-25	-31.75	-79.08	-61.68	7.55	12.48	H
	7713	-48.43	-25	-23.43	-78.05	-51.3	8.86	11.73	H
	10284	-44.42	-25	-19.42	-78.15	-45.31	10.24	11.13	H
									H
									H
									H
									H
	5142	-56.62	-25	-31.62	-78.95	-61.55	7.55	12.48	V
	7713	-48.37	-25	-23.37	-78.25	-51.24	8.86	11.73	V
	10284	-45.20	-25	-20.20	-78.38	-46.09	10.24	11.13	V
									V
									V
									V
									V
Middle	5172	-56.61	-25	-31.61	-79.04	-61.72	7.56	12.68	H
	7758	-48.70	-25	-23.70	-78.36	-51.64	8.88	11.82	H
	10344	-44.29	-25	-19.29	-77.99	-44.97	10.29	10.97	H
									H
									H
									H
									H
	5172	-56.77	-25	-31.77	-79.19	-61.88	7.56	12.68	V
	7758	-48.20	-25	-23.20	-77.94	-51.14	8.88	11.82	V
	10344	-45.13	-25	-20.13	-78.36	-45.81	10.29	10.97	V
									V
									V
									V
									V

Highest	5202	-56.75	-25	-31.75	-79.3	-62.09	7.57	12.91	H
	7803	-48.58	-25	-23.58	-78.31	-51.57	8.90	11.89	H
	10404	-44.89	-25	-19.89	-78.56	-45.35	10.34	10.80	H
									H
									H
									H
									H
	5202	-57.04	-25	-32.04	-79.57	-62.38	7.57	12.91	V
	7803	-48.81	-25	-23.81	-78.45	-51.8	8.90	11.89	V
	10404	-45.41	-25	-20.41	-78.7	-45.87	10.34	10.80	V
									V
									V
									V
									V

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

5G NR n41 (HPUE) (Ant. Main)

5G NR n41 (HPUE)/ 80MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-56.18	-25	-31.18	-77.98	-61.39	7.49	12.70	H
	7501	-49.26	-25	-24.26	-79.25	-51.7	8.76	11.20	H
	10001	-45.74	-25	-20.74	-79.6	-46.83	10.01	11.10	H
									H
									H
									H
									H
	5000	-55.97	-25	-30.97	-77.82	-61.18	7.49	12.70	V
	7501	-49.24	-25	-24.24	-79.17	-51.68	8.76	11.20	V
	10001	-46.29	-25	-21.29	-79.22	-47.38	10.01	11.10	V
									V
									V
									V
									V
Middle	5114	-56.02	-25	-31.02	-78.24	-60.91	7.54	12.43	H
	7672	-48.77	-25	-23.77	-78.33	-51.63	8.84	11.70	H
	10229	-44.55	-25	-19.55	-78.31	-45.59	10.20	11.24	H
									H
									H
									H
									H
	5114	-56.53	-25	-31.53	-78.77	-61.42	7.54	12.43	V
	7672	-48.40	-25	-23.40	-78.39	-51.26	8.84	11.70	V
	10229	-44.99	-25	-19.99	-78.13	-46.03	10.20	11.24	V
									V
									V
									V
									V

Highest	5228	-56.96	-25	-31.96	-79.68	-62.44	7.59	13.07	H
	7843	-48.97	-25	-23.97	-78.8	-51.78	8.92	11.73	H
	10457	-45.46	-25	-20.46	-79.12	-45.88	10.38	10.80	H
									H
									H
									H
									H
	5228	-57.04	-25	-32.04	-79.73	-62.52	7.59	13.07	V
	7843	-49.33	-25	-24.33	-79.08	-52.14	8.92	11.73	V
	10457	-45.50	-25	-20.50	-78.84	-45.92	10.38	10.80	V
									V
									V
									V
									V

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

5G NR n41 (HPUE) (Ant. MIMO 1_SRS)

5G NR n41 (HPUE) / 80MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-55.38	-25	-30.38	-77.18	-60.59	7.49	12.70	H
	7501	-48.64	-25	-23.64	-78.63	-51.08	8.76	11.20	H
	10001	-45.16	-25	-20.16	-79.02	-46.25	10.01	11.10	H
									H
									H
									H
									H
	5000	-55.22	-25	-30.22	-77.07	-60.43	7.49	12.70	V
	7501	-48.86	-25	-23.86	-78.79	-51.3	8.76	11.20	V
	10001	-46.28	-25	-21.28	-79.21	-47.37	10.01	11.10	V
									V
									V
									V
									V
Middle	5114	-55.52	-25	-30.52	-77.74	-60.41	7.54	12.43	H
	7672	-48.57	-25	-23.57	-78.13	-51.43	8.84	11.70	H
	10229	-44.07	-25	-19.07	-77.83	-45.11	10.20	11.24	H
									H
									H
									H
									H
	5114	-55.59	-25	-30.59	-77.83	-60.48	7.54	12.43	V
	7672	-48.12	-25	-23.12	-78.14	-50.98	8.84	11.70	V
	10229	-44.58	-25	-19.58	-77.72	-45.62	10.20	11.24	V
									V
									V
									V
									V

Highest	5228	-56.20	-25	-31.20	-78.92	-61.68	7.59	13.07	H
	7843	-48.74	-25	-23.74	-78.57	-51.55	8.92	11.73	H
	10457	-44.76	-25	-19.76	-78.42	-45.18	10.38	10.80	H
									H
									H
									H
									H
	5228	-56.19	-25	-31.19	-78.88	-61.67	7.59	13.07	V
	7843	-48.71	-25	-23.71	-78.46	-51.52	8.92	11.73	V
	10457	-45.05	-25	-20.05	-78.39	-45.47	10.38	10.80	V
									V
									V
									V
									V

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

5G NR n25 (Ant. MIMO 2)

5G NR n25 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-56.82	-13	-43.82	-75.45	-63.19	5.93	12.30	H
	5553	-52.83	-13	-39.83	-76.56	-58.39	7.74	13.31	H
	7404	-48.70	-13	-35.70	-79.02	-51.18	8.72	11.20	H
									H
									H
									H
									H
	3702	-56.36	-13	-43.36	-75.04	-62.73	5.93	12.30	V
	5553	-51.78	-13	-38.78	-75.82	-57.34	7.74	13.31	V
	7404	-48.97	-13	-35.97	-79.2	-51.45	8.72	11.20	V
									V
									V
									V
									V
Middle	3747	-56.13	-13	-43.13	-74.84	-62.46	5.97	12.30	H
	5621	-51.02	-13	-38.02	-74.6	-56.66	7.80	13.44	H
	7494	-49.14	-13	-36.14	-79.21	-51.58	8.76	11.20	H
									H
									H
									H
									H
	3747	-56.48	-13	-43.48	-75.28	-62.81	5.97	12.30	V
	5621	-48.24	-13	-35.24	-72.29	-53.88	7.80	13.44	V
	7494	-48.30	-13	-35.30	-78.3	-50.74	8.76	11.20	V
									V
									V
									V
									V

Highest	3792	-56.71	-13	-43.71	-75.5	-63	6.01	12.30	H
	5689	-52.97	-13	-39.97	-76.69	-58.62	7.85	13.50	H
	7585	-49.11	-13	-36.11	-78.7	-51.85	8.80	11.54	H
									H
									H
									H
									H
	3792	-56.33	-13	-43.33	-75.25	-62.62	6.01	12.30	V
	5689	-49.46	-13	-36.46	-73.63	-55.11	7.85	13.50	V
	7585	-48.54	-13	-35.54	-78.74	-51.28	8.80	11.54	V
									V
									V
									V
									V

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

5G NR n66 (Ant. MIMO 2)

5G NR n66 / 40MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3422	-57.07	-13	-44.07	-74.65	-63.90	5.67	12.50	H
	5133	-54.06	-13	-41.06	-76.35	-58.98	7.55	12.47	H
	6844	-49.48	-13	-36.48	-77.79	-53.25	8.44	12.21	H
									H
									H
									H
									H
	3422	-56.79	-13	-43.79	-74.85	-63.62	5.67	12.50	V
	5133	-54.45	-13	-41.45	-76.75	-59.37	7.55	12.47	V
	6844	-49.40	-13	-36.40	-77.66	-53.17	8.44	12.21	V
									V
									V
									V
									V
Middle	3452	-55.63	-13	-42.63	-73.48	-62.43	5.70	12.50	H
	5178	-53.86	-13	-40.86	-76.31	-59.02	7.56	12.72	H
	6904	-49.26	-13	-36.26	-77.29	-52.77	8.48	11.99	H
									H
									H
									H
									H
	3452	-55.11	-13	-42.11	-73.37	-61.91	5.70	12.50	V
	5178	-54.21	-13	-41.21	-76.65	-59.37	7.56	12.72	V
	6904	-49.24	-13	-36.24	-77.69	-52.75	8.48	11.99	V
									V
									V
									V
									V

Highest	3482	-55.66	-13	-42.66	-73.76	-62.37	5.72	12.44	H
	5223	-54.33	-13	-41.33	-77.01	-59.78	7.58	13.04	H
	6964	-49.54	-13	-36.54	-77.27	-52.92	8.52	11.90	H
									H
									H
									H
									H
	3482	-54.80	-13	-41.80	-73.26	-61.51	5.72	12.44	V
	5223	-54.43	-13	-41.43	-77.08	-59.88	7.58	13.04	V
	6964	-48.80	-13	-35.80	-77.43	-52.18	8.52	11.90	V
									V
									V
									V
									V

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

5G NR n38 (Ant. MIMO 2)

5G NR n38 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5142	-56.24	-25	-31.24	-78.57	-61.17	7.55	12.48	H
	7713	-48.06	-25	-23.06	-77.68	-50.93	8.86	11.73	H
	10284	-44.69	-25	-19.69	-78.42	-45.58	10.24	11.13	H
									H
									H
									H
									H
	5142	-56.36	-25	-31.36	-78.69	-61.29	7.55	12.48	V
	7713	-48.52	-25	-23.52	-78.4	-51.39	8.86	11.73	V
	10284	-45.17	-25	-20.17	-78.35	-46.06	10.24	11.13	V
									V
									V
									V
									V
Middle	5172	-56.16	-25	-31.16	-78.59	-61.27	7.56	12.68	H
	7758	-46.88	-25	-21.88	-76.54	-49.82	8.88	11.82	H
	10344	-44.73	-25	-19.73	-78.43	-45.41	10.29	10.97	H
									H
									H
									H
									H
	5172	-56.42	-25	-31.42	-78.84	-61.53	7.56	12.68	V
	7758	-48.17	-25	-23.17	-77.91	-51.11	8.88	11.82	V
	10344	-45.05	-25	-20.05	-78.28	-45.73	10.29	10.97	V
									V
									V
									V
									V

Highest	5202	-56.81	-25	-31.81	-79.36	-62.15	7.57	12.91	H
	7803	-48.94	-25	-23.94	-78.67	-51.93	8.90	11.89	H
	10404	-45.28	-25	-20.28	-78.95	-45.74	10.34	10.80	H
									H
									H
									H
									H
	5202	-56.67	-25	-31.67	-79.2	-62.01	7.57	12.91	V
	7803	-49.32	-25	-24.32	-78.96	-52.31	8.90	11.89	V
	10404	-45.33	-25	-20.33	-78.62	-45.79	10.34	10.80	V
									V
									V
									V
									V

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

5G NR n41 (HPUE) (Ant. Aux_SRS)

5G NR n41 (HPUE) / 80MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-55.13	-25	-30.13	-76.93	-60.34	7.49	12.70	H
	7501	-48.50	-25	-23.50	-78.49	-50.94	8.76	11.20	H
	10001	-45.09	-25	-20.09	-78.95	-46.18	10.01	11.10	H
									H
									H
									H
									H
	5000	-55.33	-25	-30.33	-77.18	-60.54	7.49	12.70	V
	7501	-48.75	-25	-23.75	-78.68	-51.19	8.76	11.20	V
	10001	-45.80	-25	-20.80	-78.73	-46.89	10.01	11.10	V
									V
									V
									V
									V
Middle	5114	-54.97	-25	-29.97	-77.19	-59.86	7.54	12.43	H
	7672	-48.31	-25	-23.31	-77.87	-51.17	8.84	11.70	H
	10229	-43.95	-25	-18.95	-77.71	-44.99	10.20	11.24	H
									H
									H
									H
									H
	5114	-55.53	-25	-30.53	-77.77	-60.42	7.54	12.43	V
	7672	-47.81	-25	-22.81	-77.8	-50.67	8.84	11.70	V
	10229	-44.66	-25	-19.66	-77.8	-45.7	10.20	11.24	V
									V
									V
									V
									V

Highest	5228	-56.11	-25	-31.11	-78.83	-61.59	7.59	13.07	H
	7843	-48.22	-25	-23.22	-78.05	-51.03	8.92	11.73	H
	10457	-44.53	-25	-19.53	-78.19	-44.95	10.38	10.80	H
									H
									H
									H
									H
	5228	-56.05	-25	-31.05	-78.74	-61.53	7.59	13.07	V
	7843	-48.38	-25	-23.38	-78.13	-51.19	8.92	11.73	V
	10457	-44.77	-25	-19.77	-78.11	-45.19	10.38	10.80	V
									V
									V
									V
									V

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

EN-DC 5A-n2A (Ant. Main + Ant. MIMO 2)

NR ENDC 5A-n2A / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-56.93	-13	-43.93	-75.34	-63.3	5.93	12.30	H
	5553	-54.48	-13	-41.48	-78.06	-60.04	7.74	13.31	H
	7404	-49.14	-13	-36.14	-79.36	-51.62	8.72	11.20	H
									H
									H
									H
									H
	3702	-57.10	-13	-44.10	-75.56	-63.47	5.93	12.30	V
	5553	-54.03	-13	-41.03	-77.92	-59.59	7.74	13.31	V
	7404	-49.34	-13	-36.34	-79.47	-51.82	8.72	11.20	V
									V
									V
									V
									V
Middle	3742	-56.64	-13	-43.64	-75.12	-62.98	5.96	12.30	H
	5613	-50.58	-13	-37.58	-74	-56.21	7.79	13.43	H
	7484	-48.84	-13	-35.84	-78.87	-51.29	8.75	11.20	H
									H
									H
									H
									H
	3742	-56.60	-13	-43.60	-75.17	-62.94	5.96	12.30	V
	5613	-51.66	-13	-38.66	-75.55	-57.29	7.79	13.43	V
	7484	-48.73	-13	-35.73	-78.69	-51.18	8.75	11.20	V
									V
									V
									V
									V

Highest	3785	-56.67	-13	-43.67	-75.23	-62.97	6.00	12.30	H
	5673	-54.26	-13	-41.26	-77.83	-59.92	7.84	13.50	H
	7564	-49.06	-13	-36.06	-78.72	-51.73	8.79	11.46	H
									H
									H
									H
									H
	3785	-56.61	-13	-43.61	-75.29	-62.91	6.00	12.30	V
	5673	-53.88	-13	-40.88	-77.9	-59.54	7.84	13.50	V
	7564	-48.77	-13	-35.77	-78.87	-51.44	8.79	11.46	V
									V
									V
									V
									V

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

EN-DC 5A-n2A (Ant. Main + Ant. MIMO 2)

NR ENDC 5A-n2A / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-56.93	-13	-43.93	-75.34	-63.3	5.93	12.30	H
	5553	-54.48	-13	-41.48	-78.06	-60.04	7.74	13.31	H
	7404	-49.14	-13	-36.14	-79.36	-51.62	8.72	11.20	H
									H
									H
									H
									H
	3702	-57.10	-13	-44.10	-75.56	-63.47	5.93	12.30	V
	5553	-54.03	-13	-41.03	-77.92	-59.59	7.74	13.31	V
	7404	-49.34	-13	-36.34	-79.47	-51.82	8.72	11.20	V
									V
									V
									V
									V
Middle	3742	-56.64	-13	-43.64	-75.12	-62.98	5.96	12.30	H
	5613	-50.58	-13	-37.58	-74	-56.21	7.79	13.43	H
	7484	-48.84	-13	-35.84	-78.87	-51.29	8.75	11.20	H
									H
									H
									H
									H
	3742	-56.60	-13	-43.60	-75.17	-62.94	5.96	12.30	V
	5613	-51.66	-13	-38.66	-75.55	-57.29	7.79	13.43	V
	7484	-48.73	-13	-35.73	-78.69	-51.18	8.75	11.20	V
									V
									V
									V
									V

Highest	3785	-56.67	-13	-43.67	-75.23	-62.97	6.00	12.30	H
	5673	-54.26	-13	-41.26	-77.83	-59.92	7.84	13.50	H
	7564	-49.06	-13	-36.06	-78.72	-51.73	8.79	11.46	H
									H
									H
									H
									H
	3785	-56.61	-13	-43.61	-75.29	-62.91	6.00	12.30	V
	5673	-53.88	-13	-40.88	-77.9	-59.54	7.84	13.50	V
	7564	-48.77	-13	-35.77	-78.87	-51.44	8.79	11.46	V
									V
									V
									V
									V

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

<Sample 2>

5G NR n5 (Ant. Main)

5G NR n5 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1650	-63.17	-13	-50.17	-73.77	-66.64	3.88	9.50	H
	2475	-57.58	-13	-44.58	-72.37	-61.18	4.80	10.55	H
	3300	-58.57	-13	-45.57	-75.65	-63.06	5.56	12.20	H
									H
									H
									H
	1650	-62.79	-13	-49.79	-73.52	-66.26	3.88	9.50	V
	2475	-57.32	-13	-44.32	-72.46	-60.92	4.80	10.55	V
	3300	-58.02	-13	-45.02	-75.58	-62.51	5.56	12.20	V
									V
									V
									V
Middle	1655	-63.20	-13	-50.20	-73.81	-66.69	3.89	9.53	H
	2483	-56.05	-13	-43.05	-70.84	-59.65	4.81	10.57	H
	3310	-58.72	-13	-45.72	-75.8	-63.24	5.57	12.24	H
									H
									H
									H
	1655	-62.57	-13	-49.57	-73.31	-66.06	3.89	9.53	V
	2483	-56.96	-13	-43.96	-72.13	-60.56	4.81	10.57	V
	3310	-58.22	-13	-45.22	-75.79	-62.74	5.57	12.24	V
									V
									V
									V

Highest	1660	-63.22	-13	-50.22	-73.86	-66.73	3.90	9.56	H
	2490	-57.44	-13	-44.44	-72.21	-61.05	4.82	10.58	H
	3320	-58.52	-13	-45.52	-75.59	-63.08	5.57	12.28	H
									H
									H
									H
	1660	-62.68	-13	-49.68	-73.45	-66.19	3.90	9.56	V
	2490	-57.20	-13	-44.20	-72.38	-60.81	4.82	10.58	V
	3320	-58.42	-13	-45.42	-75.98	-62.98	5.57	12.28	V
									V
									V
									V

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

5G NR n7 (Ant. Main)

5G NR n7 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5002	-55.47	-25	-30.47	-77.28	-60.68	7.49	12.70	H
	7503	-48.93	-25	-23.93	-78.9	-51.38	8.76	11.21	H
	10004	-45.18	-25	-20.18	-79.04	-46.27	10.01	11.11	H
									H
									H
									H
	5002	-55.12	-25	-30.12	-76.98	-60.33	7.49	12.70	V
	7503	-48.71	-25	-23.71	-78.65	-51.16	8.76	11.21	V
	10004	-45.93	-25	-20.93	-78.86	-47.02	10.01	11.11	V
									V
									V
									V
Middle	5052	-55.24	-25	-30.24	-77.23	-60.32	7.51	12.59	H
	7578	-48.61	-25	-23.61	-78.2	-51.33	8.80	11.51	H
	10104	-43.99	-25	-18.99	-77.8	-45.19	10.10	11.30	H
									H
									H
									H
	5052	-55.48	-25	-30.48	-77.5	-60.56	7.51	12.59	V
	7578	-48.31	-25	-23.31	-78.46	-51.03	8.80	11.51	V
	10104	-45.44	-25	-20.44	-78.46	-46.64	10.10	11.30	V
									V
									V
									V

Highest	5102	-55.70	-25	-30.70	-77.87	-60.57	7.53	12.40	H
	7653	-48.87	-25	-23.87	-78.41	-51.74	8.83	11.70	H
	10204	-44.47	-25	-19.47	-78.24	-45.58	10.18	11.29	H
									H
									H
									H
	5102	-55.38	-25	-30.38	-77.57	-60.25	7.53	12.40	V
	7653	-48.00	-25	-23.00	-78.05	-50.87	8.83	11.70	V
	10204	-45.27	-25	-20.27	-78.38	-46.38	10.18	11.29	V
									V
									V
									V

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

5G NR n71 (Ant. Main)

5G NR n71 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-63.53	-13	-50.53	-72.75	-66.91	3.47	6.86	H
	1992	-61.64	-13	-48.64	-73.98	-67.56	4.28	10.20	H
	2656	-59.37	-13	-46.37	-74.42	-65.20	4.97	10.80	H
									H
									H
									H
	1328	-63.60	-13	-50.60	-72.83	-66.98	3.47	6.86	V
	1992	-60.85	-13	-47.85	-73.56	-66.77	4.28	10.20	V
	2656	-59.12	-13	-46.12	-74.26	-64.95	4.97	10.80	V
									V
									V
									V
Middle	1343	-63.06	-13	-50.06	-72.43	-66.45	3.49	6.89	H
	2015	-60.63	-13	-47.63	-73.2	-66.52	4.31	10.20	H
	2686	-59.38	-13	-46.38	-74.62	-65.18	5.00	10.80	H
									H
									H
									H
	1343	-63.28	-13	-50.28	-72.66	-66.67	3.49	6.89	V
	2015	-61.26	-13	-48.26	-74.24	-67.15	4.31	10.20	V
	2686	-59.30	-13	-46.30	-74.65	-65.10	5.00	10.80	V
									V
									V
									V

Highest	1358	-62.77	-13	-49.77	-72.31	-66.24	3.51	6.98	H
	2037	-61.01	-13	-48.01	-73.82	-66.88	4.33	10.20	H
	2716	-59.06	-13	-46.06	-74.48	-64.87	5.02	10.83	H
									H
									H
									H
	1358	-62.95	-13	-49.95	-72.5	-66.42	3.51	6.98	V
	2037	-61.14	-13	-48.14	-74.39	-67.01	4.33	10.20	V
	2716	-58.86	-13	-45.86	-74.4	-64.67	5.02	10.83	V
									V
									V
									V

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

5G NR n41 (HPUE) (Ant. MIMO 2)

5G NR n41 (HPUE) / 80MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-55.09	-25	-30.09	-76.89	-60.3	7.49	12.70	H
	7501	-47.97	-25	-22.97	-77.96	-50.41	8.76	11.20	H
	10001	-44.28	-25	-19.28	-78.14	-45.37	10.01	11.10	H
									H
									H
									H
	5000	-54.89	-25	-29.89	-76.74	-60.1	7.49	12.70	V
	7501	-48.41	-25	-23.41	-78.34	-50.85	8.76	11.20	V
	10001	-45.89	-25	-20.89	-78.82	-46.98	10.01	11.10	V
									V
									V
									V
Middle	5114	-55.24	-25	-30.24	-77.46	-60.13	7.54	12.43	H
	7672	-47.93	-25	-22.93	-77.49	-50.79	8.84	11.70	H
	10221.3	-44.09	-25	-19.09	-77.86	-45.16	10.19	11.26	H
									H
									H
									H
	5114	-55.25	-25	-30.25	-77.48	-60.14	7.54	12.43	V
	7672	-47.64	-25	-22.64	-77.63	-50.5	8.84	11.70	V
	10221.3	-44.02	-25	-19.02	-77.15	-45.09	10.19	11.26	V
									V
									V
									V

Highest	5228	-56.21	-25	-31.21	-78.93	-61.69	7.59	13.07	H
	7843	-48.79	-25	-23.79	-78.62	-51.6	8.92	11.73	H
	10457	-44.64	-25	-19.64	-78.3	-45.06	10.38	10.80	H
									H
									H
									H
	5228	-56.02	-25	-31.02	-78.71	-61.5	7.59	13.07	V
	7843	-48.91	-25	-23.91	-78.66	-51.72	8.92	11.73	V
	10457	-45.24	-25	-20.24	-78.58	-45.66	10.38	10.80	V
									V
									V
									V

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

5G NR n7 (Ant. MIMO 2)

5G NR n7 / 20MHz / DFT-s-OFDM / Pi/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5002	-55.74	-25	-30.74	-77.55	-60.95	7.49	12.70	H
	7503	-49.06	-25	-24.06	-79.03	-51.51	8.76	11.21	H
	10004	-45.24	-25	-20.24	-79.1	-46.33	10.01	11.11	H
									H
									H
									H
	5002	-55.63	-25	-30.63	-77.49	-60.84	7.49	12.70	V
	7503	-48.72	-25	-23.72	-78.66	-51.17	8.76	11.21	V
	10004	-46.47	-25	-21.47	-79.4	-47.56	10.01	11.11	V
									V
									V
									V
Middle	5052	-55.70	-25	-30.70	-77.69	-60.78	7.51	12.59	H
	7578	-49.01	-25	-24.01	-78.6	-51.73	8.80	11.51	H
	10104	-44.78	-25	-19.78	-78.59	-45.98	10.10	11.30	H
									H
									H
									H
	5052	-55.46	-25	-30.46	-77.48	-60.54	7.51	12.59	V
	7578	-48.02	-25	-23.02	-78.17	-50.74	8.80	11.51	V
	10104	-45.81	-25	-20.81	-78.83	-47.01	10.10	11.30	V
									V
									V
									V

Highest	5102	-56.16	-25	-31.16	-78.33	-61.03	7.53	12.40	H
	7653	-48.66	-25	-23.66	-78.2	-51.53	8.83	11.70	H
	10204	-44.55	-25	-19.55	-78.32	-45.66	10.18	11.29	H
									H
									H
									H
	5102	-55.83	-25	-30.83	-78.02	-60.7	7.53	12.40	V
	7653	-48.37	-25	-23.37	-78.42	-51.24	8.83	11.70	V
	10204	-45.11	-25	-20.11	-78.22	-46.22	10.18	11.29	V
									V
									V
									V

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

EN-DC 66A-n41A (HPUE) (Ant. Main + Ant. MIMO 2)

EN-DC 66A-n41A (HPUE) / 80MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-55.41	-25	-30.41	-77.21	-60.62	7.49	12.70	H
	7501	-48.59	-25	-23.59	-78.58	-51.03	8.76	11.20	H
	10004.1	-44.64	-25	-19.64	-78.5	-45.73	10.01	11.11	H
									H
									H
									H
	5000	-55.18	-25	-30.18	-77.03	-60.39	7.49	12.70	V
	7501	-48.95	-25	-23.95	-78.88	-51.39	8.76	11.20	V
	10004.1	-45.34	-25	-20.34	-78.27	-46.43	10.01	11.11	V
									V
									V
									V
Middle	5114	-55.29	-25	-30.29	-77.51	-60.18	7.54	12.43	H
	7672	-48.50	-25	-23.50	-78.06	-51.36	8.84	11.70	H
	10221.3	-43.81	-25	-18.81	-77.58	-44.88	10.19	11.26	H
									H
									H
									H
	5114	-55.67	-25	-30.67	-77.9	-60.56	7.54	12.43	V
	7672	-48.05	-25	-23.05	-78.04	-50.91	8.84	11.70	V
	10221.3	-44.87	-25	-19.87	-78	-45.94	10.19	11.26	V
									V
									V
									V

Highest	5228	-55.76	-25	-30.76	-78.47	-61.24	7.59	13.07	H
	7843	-47.64	-25	-22.64	-77.46	-50.45	8.92	11.73	H
	10456.6	-43.64	-25	-18.64	-77.3	-44.06	10.38	10.80	H
									H
									H
									H
	5228	-55.49	-25	-30.49	-78.17	-60.97	7.59	13.07	V
	7843	-48.23	-25	-23.23	-77.98	-51.04	8.92	11.73	V
	10456.6	-44.53	-25	-19.53	-77.87	-44.95	10.38	10.80	V
									V
									V
									V

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

NR n41 HPUE (Ant. Main + Ant. MIMO 2)

NR n41 HPUE_MIMO / 80MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5115	-55.03	-25	-30.03	-77.24	-59.92	7.54	12.43	H
	7672	-48.10	-25	-23.10	-77.66	-50.96	8.84	11.70	H
	10230	-43.50	-25	-18.50	-77.27	-44.54	10.20	11.24	H
									H
									H
									H
	5115	-55.38	-25	-30.38	-77.61	-60.27	7.54	12.43	V
	7672	-47.75	-25	-22.75	-77.74	-50.61	8.84	11.70	V
	10230	-44.64	-25	-19.64	-77.77	-45.68	10.20	11.24	V
									V
									V
									V