



FCC RF Test Report

APPLICANT : Viavi Solutions Inc.
EQUIPMENT : 5G Sub-6 GHz M.2 Module with WCDMA and LTE
BRAND NAME : VIAVI
MODEL NAME : RM520N-GL
FCC ID : WUW-RM520NGL
STANDARD : 47 CFR Part 27
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jul. 30, 2024 ~ Oct. 16, 2024

The product was installed into a host (Brand Name: VIAVI, Model Name: NXE-DEVICE-4M) during the test, only Conducted Power, ERP/EIRP and RSE test items are tested in this report.

We, Sporton International Inc. (Kunshan), 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.

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

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

***No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China***



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG452001J	Rev. 01	Initial issue of report	Dec. 18, 2024



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (5G NR n12, n13, n71)	ERP < 3 Watt		
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n7, n41, n38)	EIRP < 2Watt		
-	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, n13, n71)	< 43+10log ₁₀ (P[Watts])	PASS	1
	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n7, n41, n38)	§27.53(m)(4)		
-	§2.1051 §27.53(g)	Conducted Spurious Emission (5G NR n12, n13, n71)	< 43+10log ₁₀ (P[Watts])	PASS	1
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n7, n41, n38)	< 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, n13, n71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 6.77 dB at 1560.00 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n7, n41, n38)	< 55+10log ₁₀ (P[Watts])		

Remark 1: Test results are leveraged from module RF report No “SEWA2204000008RG02”.

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Viavi Solutions Inc.

1445 South Spectrum Boulevard, Suite 102, Chandler, Arizona 85286

1.2 Manufacturer

Viavi Solutions Inc.

1445 South Spectrum Boulevard, Suite 102, Chandler, Arizona 85286

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G Sub-6 GHz M.2 Module with WCDMA and LTE
Brand Name	VIAVI
Model Name	RM520N-GL
FCC ID	WUW-RM520NGL
EUT Stage	Identical Prototype

Host Product Feature	
Equipment	XEDGE 2.0
Brand Name	VIAVI
Model Name	NXE-DEVICE-4M
IMEI Code	Conducted : IMEI A: 868371051639645 IMEI B: 868371051635213 IMEI C: 868371051635338 IMEI D: 868371051639819 Radiation : IMEI A: 868371051120539 IMEI B: 868371051121032 IMEI C: 868371051143184 IMEI D: 868371051635312
Applicant	Viavi Solutions Inc. 1445 South Spectrum Boulevard, Suite 102, Chandler, Arizona 85286
Manufacturer	Viavi Solutions Inc. 1445 South Spectrum Boulevard, Suite 102, Chandler, Arizona 85286

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n13 : 777 MHz ~ 787 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n71: 663 MHz ~ 698 MHz
Rx Frequency	5G NR n7 : 2620 MHz ~ 2690 MHz 5G NR n12: 729 MHz ~ 746 MHz 5G NR n13 : 746 MHz ~ 756 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n71: 617 MHz ~ 652 MHz
Bandwidth	n7: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz n12: 5MHz / 10MHz/ 15MHz n13: 5MHz / 10MHz n38 : 10MHz / 15MHz / 20MHz / 30MHz / 40MHz n41: 20MHz / 30MHz /40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz n71: 5MHz / 10MHz / 15MHz / 20MHz
SCS	15kHz for FDD Bands, 30kHz for TDD Bands
Antenna Gain	< Module A/B/C/D> <Ant. 0>: n7 : 8.5 dBi n12 : 6.0 dBi n13 : 6.0 dBi n38 : 8.5 dBi n41 : 8.5 dBi n71 : 5.3 dBi <Ant. 2>: n7 : 8.5 dBi n38 : 8.5 dBi n41 : 8.5 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP are shown in the report, 5G NR n7/n38/n41 for Ant. 2 and n12/n13/n71 for Ant. 0.
2. All the supported ENDC combinations are verified conducted power, only the ENDC combination with highest power are shown in the report.
3. 5G NR support SA (n7/n12/n13/n38/n41/n71) mode and NSA(n7/n12/n38/n41/n71) mode. According to the maximum power between SA and NSA mode, SA covers NSA mode for (n7/n12/n38/n41/n71).
4. The EN-DC mode combination could be referred to the product spec.
5. The four Modules are the same include Power setting, but we still verified the real power, which is within the uncertainty range, so we chose the module of the higher power for testing, each Module has four antennas, only Ant.0/2 supports TX/RX function, the others are RX only.

6. For RSE testing, we choice the module of the higher conducted Power to test, because between four modules do not support MIMO mode.
7. 5G NR n38/n41 supports HPUE mode.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP

5G NR n12		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	701.5 ~ 713.5	0.4764	-	0.3715	-
10	704.0~ 711.0	0.4753	-	0.3690	-
15	706.5 ~ 708.5	0.4797	-	0.3954	-

5G NR n13		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.4467	-	0.3524	-
10	782	0.4498	-	0.3428	-

5G NR n71		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 ~ 695.5	0.4064	-	0.3133	-
10	668.0 ~ 693.0	0.4055	-	0.3184	-
15	670.5 ~ 690.5	0.4064	-	0.3192	-
20	673.0 ~ 688.0	0.4130	-	0.3428	-

5G NR n7		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.6714	-	0.6622	-
10	2505.0 ~ 2565.0	0.6683	-	0.6622	-
15	2507.5 ~ 2562.5	0.6683	-	0.6622	-
20	2510.0 ~ 2560.0	0.6637	-	0.6577	-
25	2512.5 ~ 2557.5	0.6637	-	0.6561	-



30	2515.0 ~ 2555.0	0.6683	-	0.6622	-
40	2520.0 ~ 2550.0	0.6792	-	0.6683	-

5G NR n38		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	2575.0 ~ 2615.0	0.6412	-	0.6339	-
15	2577.5 ~ 2612.5	0.6310	-	0.6180	-
20	2580.0 ~ 2610.0	0.6353	-	0.6237	-
30	2585.0 ~ 2605.0	0.6310	-	0.6237	-
40	2590.0 ~ 2600.0	0.6607	-	0.6457	-

5G NR n41		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2506.02 ~ 2679.99	0.6637	-	0.6592	-
30	2511.00 ~ 2674.98	0.6761	-	0.6561	-
40	2516.01 ~ 2670.00	0.6761	-	0.6699	-
50	2521.02 ~ 2664.99	0.6561	-	0.6368	-
60	2526.00 ~ 2659.98	0.6761	-	0.6637	-
70	2531.01 ~ 2655.00	0.6668	-	0.6531	-
80	2536.02 ~ 2649.99	0.6622	-	0.6501	-
90	2541.00 ~ 2644.98	0.6561	-	0.6486	-
100	2546.01 ~ 2640.00	0.6808	-	0.6730	-

Note:

1. All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.
2. Band n41 overlaps the entire frequency range of Band n38. Therefore, the test results provided in this report covers Band n41 as well as Band n38.



1.7 Testing Location

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

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	Tonscend	JS1120-3 test system China_210602	3.3.10
2.	03CH04-KS	AUDIX	E3	210616



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 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:

All test items were verified and recorded according to the standards and without any deviation during the test.



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 (Y plane) were recorded in this report.

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.

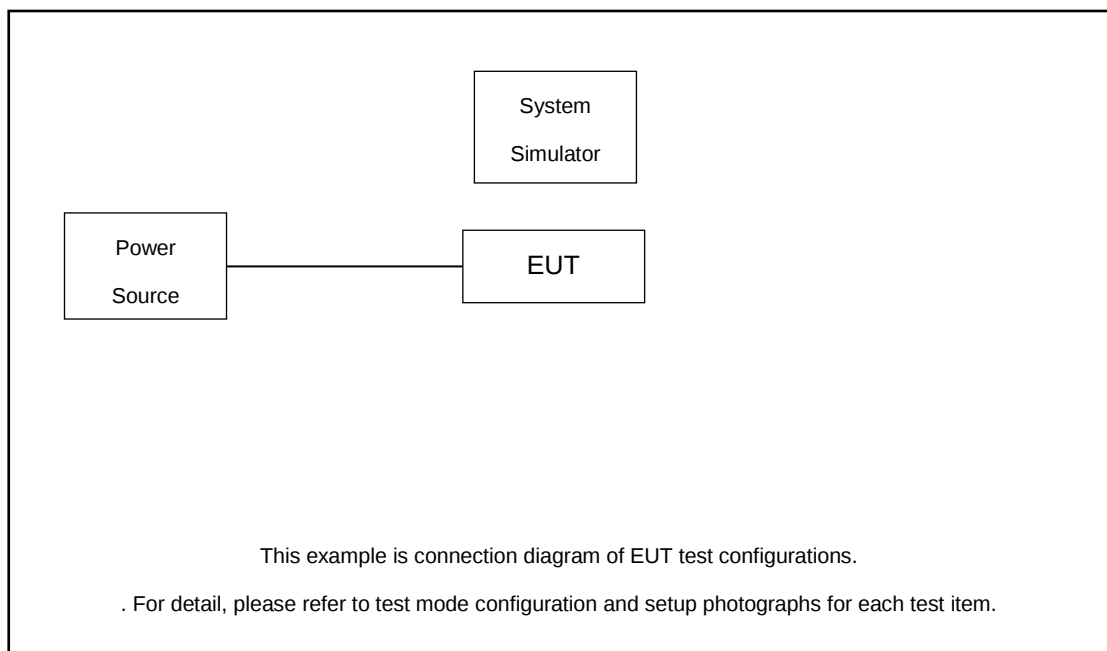
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane

Test Items	5G NR	Bandwidth (MHz)														Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H	
Max. Output Power	n7	v	v	v	v	v	v	v	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n13	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	v	
	n41	-			v	-	v	v	v	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	n7	v	v	v	v	v	v	v	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n13	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	v	
	n41	-	v	v	v	-	v	v	v	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	
Radiated Spurious Emission	n7	Worst Case																				v	v	v	
	n12	Worst Case																				v	v	v	
	n13	Worst Case																				v	v	v	
	n41	Worst Case																				v	v	v	
	n71	Worst Case																				v	v	v	
Note	1. The mark “v” means that this configuration is chosen for testing																								



Test Items	5G NR	Bandwidth (MHz)														Modulation					RB #		Test Channel				
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H			
		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. Frequency Stability : Normal Voltage = 24V ; Low Voltage =11V. ; High Voltage =28V																									

2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

5G NR n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	504000	507000	510000
	Frequency	2520	2535	2550
30	Channel	503000	507000	511000
	Frequency	2515	2535	2555
25	Channel	502500	507000	511500
	Frequency	2512.5	2535	2557.5
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 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 n13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	156400		
	Frequency	782		
5	Channel	155900	156400	156900
	Frequency	779.5	782	784.5



5G NR n38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	518000	519000	520000
	Frequency	2590	2595	2600
30	Channel	517000	519000	521000
	Frequency	2585	2595	2605
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

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
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
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
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99



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

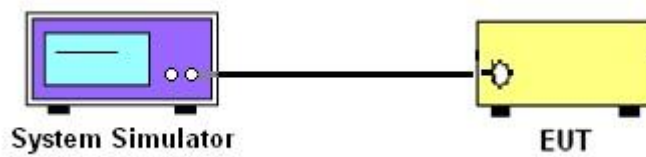
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 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 3 Watts for 5G NR n12, n13, n71.

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n7, n38, n41.

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

3.4.2 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.

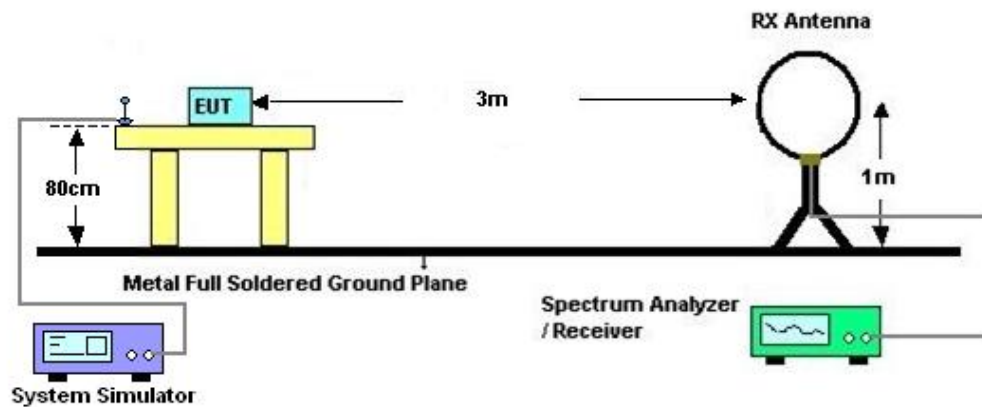
4 Radiated Test Items

4.1 Measuring Instruments

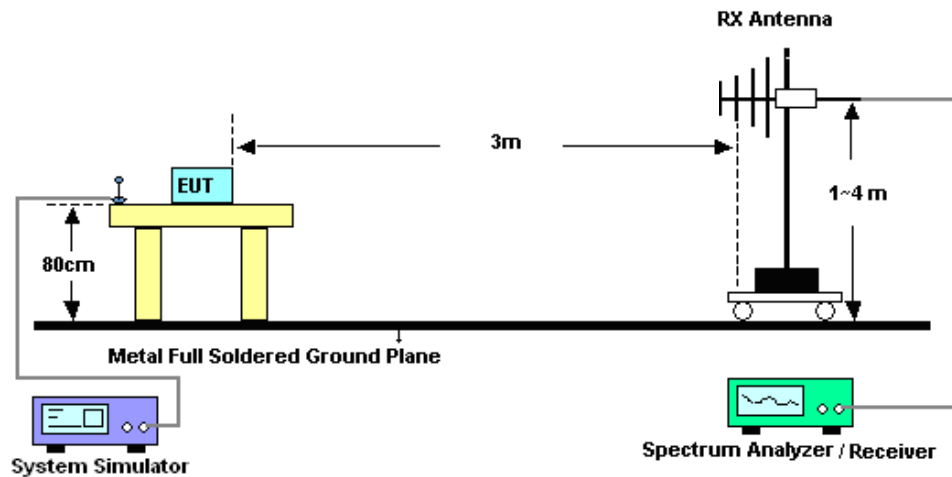
See list of measuring instruments of this test report.

4.2 Test Setup

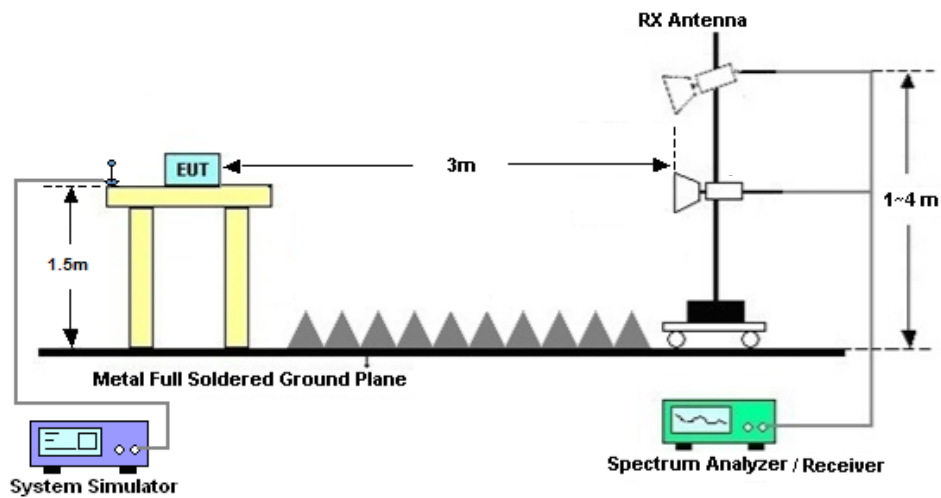
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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.

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/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.

4.4.2 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. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
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)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

13. For 5G NR n7/n38/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
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Oct. 16, 2024	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Oct. 16, 2024	NCR	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz~44G,MAX 30dB	Oct. 11, 2023	Jul. 30, 2024	Oct. 10, 2024	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 09, 2023	Jul. 30, 2024	Sep. 08, 2024	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz~1GHz	Dec. 06, 2023	Jul. 30, 2024	Dec. 05, 2024	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 23, 2023	Jul. 30, 2024	Oct. 22, 2024	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 27, 2024	Jul. 30, 2024	Jan. 26, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	413740	9KHz~1GHz	Jan. 03, 2024	Jul. 30, 2024	Jan. 02, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060728	18~40GHz	Jan. 02, 2024	Jul. 30, 2024	Jan. 01, 2025	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz~18Ghz	Oct. 11, 2023	Jul. 30, 2024	Oct. 10, 2024	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz~18Ghz	Oct. 11, 2023	Jul. 30, 2024	Oct. 10, 2024	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jul. 30, 2024	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jul. 30, 2024	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jul. 30, 2024	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required



6 Measurement Uncertainty

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 Conducted Measurement

Conducted Power	± 0.50 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.83 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.83 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.82 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and ERP/EIRP

5G NR n7_ Module A Ant2 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP (W)		
Channel				504000	507000	510000	L	M	H
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	19.73	19.78	19.59	0.6653	0.6730	0.6442
40	PI/2 BPSK	1	108	19.77	19.73	19.54	0.6714	0.6653	0.6368
40	PI/2 BPSK	1	214	19.69	19.68	19.57	0.6592	0.6577	0.6412
40	PI/2 BPSK	108	0	19.63	19.72	19.60	0.6501	0.6637	0.6457
40	PI/2 BPSK	108	54	19.76	19.77	19.59	0.6699	0.6714	0.6442
40	PI/2 BPSK	108	108	19.72	19.81	19.50	0.6637	0.6776	0.6310
40	PI/2 BPSK	216	0	19.76	19.72	19.65	0.6699	0.6637	0.6531
40	QPSK	1	1	19.66	19.82	19.53	0.6546	0.6792	0.6353
40	QPSK	1	108	19.71	19.78	19.54	0.6622	0.6730	0.6368
40	QPSK	1	214	19.64	19.66	19.59	0.6516	0.6546	0.6442
40	QPSK	108	0	19.66	19.74	19.53	0.6546	0.6668	0.6353
40	QPSK	108	54	19.72	19.75	19.57	0.6637	0.6683	0.6412
40	QPSK	108	108	19.69	19.68	19.50	0.6592	0.6577	0.6310
40	QPSK	216	0	19.73	19.74	19.50	0.6653	0.6668	0.6310
40	16QAM	1	1	19.62	19.75	19.57	0.6486	0.6683	0.6412
40	64QAM	1	1	19.63	19.75	19.63	0.6501	0.6683	0.6501
40	256QAM	1	1	18.16	18.15	18.21	0.4634	0.4624	0.4688
Channel				503000	507000	511000	L	M	H
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.75	19.72	19.53	0.6683	0.6637	0.6353
30	16QAM	1	1	19.71	19.63	19.43	0.6622	0.6501	0.6209
Channel				502500	507000	511500	L	M	H
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.72	19.71	19.52	0.6637	0.6622	0.6339
25	16QAM	1	1	19.67	19.66	19.41	0.6561	0.6546	0.6180
Channel				502000	507000	512000	L	M	H
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.72	19.68	19.54	0.6637	0.6577	0.6368
20	16QAM	1	1	19.68	19.61	19.52	0.6577	0.6471	0.6339
Channel				501500	507000	512500	L	M	H
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.74	19.75	19.58	0.6668	0.6683	0.6427
15	16QAM	1	1	19.69	19.71	19.56	0.6592	0.6622	0.6397



Channel				501000	507000	513000	L	M	H
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.69	19.75	19.54	0.6592	0.6683	0.6368
10	16QAM	1	1	19.63	19.71	19.52	0.6501	0.6622	0.6339
Channel				500500	507000	513500	L	M	H
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.71	19.77	19.50	0.6622	0.6714	0.6310
5	16QAM	1	1	19.67	19.71	19.44	0.6561	0.6622	0.6223

5G NR n12_ Module D Ant0 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP (W)		
Channel				141300	141500	141700	L	M	H
Frequency (MHz)				706.5	707.5	708.5			
15	PI/2 BPSK	1	1	22.74	22.80	22.76	0.4560	0.4624	0.4581
15	PI/2 BPSK	1	40	22.72	22.71	22.79	0.4539	0.4529	0.4613
15	PI/2 BPSK	1	77	22.75	22.86	22.61	0.4571	0.4688	0.4426
15	PI/2 BPSK	36	0	22.36	22.43	22.32	0.4178	0.4246	0.4140
15	PI/2 BPSK	36	22	22.76	22.90	22.63	0.4581	0.4732	0.4446
15	PI/2 BPSK	36	43	22.45	22.29	22.17	0.4266	0.4111	0.3999
15	PI/2 BPSK	75	0	22.39	22.57	22.36	0.4207	0.4385	0.4178
15	QPSK	1	1	22.91	22.96	22.83	0.4742	0.4797	0.4656
15	QPSK	1	40	22.79	22.79	22.62	0.4613	0.4613	0.4436
15	QPSK	1	77	22.80	22.78	22.71	0.4624	0.4603	0.4529
15	QPSK	36	0	21.97	21.94	21.75	0.3819	0.3793	0.3631
15	QPSK	36	22	22.92	22.93	22.76	0.4753	0.4764	0.4581
15	QPSK	36	43	21.87	21.84	21.67	0.3733	0.3707	0.3565
15	QPSK	75	0	21.85	21.91	21.81	0.3715	0.3767	0.3681
15	16QAM	1	1	21.87	22.12	21.74	0.3733	0.3954	0.3622
15	64QAM	1	1	20.27	20.45	20.15	0.2582	0.2692	0.2512
	256QAM	1	1	18.43	18.41	18.35	0.1690	0.1683	0.1660
Channel				140800	141500	142200	L	M	H
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.86	22.92	22.82	0.4688	0.4753	0.4645
10	16QAM	1	1	21.75	21.82	21.79	0.3631	0.3690	0.3664
Channel				140300	141500	142700	L	M	H
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.82	22.93	22.75	0.4645	0.4764	0.4571
5	16QAM	1	1	21.77	21.85	21.73	0.3648	0.3715	0.3614



5G NR n13_ Module D Ant0 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP (W)		
Channel					156400		L	M	H
Frequency (MHz)					782				
10	PI/2 BPSK	1	1		22.58			0.4395	
10	PI/2 BPSK	1	26		22.34			0.4159	
10	PI/2 BPSK	1	50		22.34			0.4159	
10	PI/2 BPSK	25	0		21.91			0.3767	
10	PI/2 BPSK	25	14		22.39			0.4207	
10	PI/2 BPSK	25	27		22.17			0.3999	
10	PI/2 BPSK	50	0		22.08			0.3917	
10	QPSK	1	1		22.68			0.4498	
10	QPSK	1	26		22.59			0.4406	
10	QPSK	1	50		22.21			0.4036	
10	QPSK	25	0		21.41			0.3357	
10	QPSK	25	14		22.54			0.4355	
10	QPSK	25	27		21.41			0.3357	
10	QPSK	50	0		21.52			0.3443	
10	16QAM	1	1		21.50			0.3428	
10	64QAM	1	1		20.02			0.2438	
10	256QAM	1	1		18.18			0.1596	
Channel				155900	156400	156900	L	M	H
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	1	22.61	22.65	22.63	0.4426	0.4467	0.4446
5	16QAM	1	1	21.53	21.62	21.59	0.3451	0.3524	0.3499

5G NR n38_ Module C Ant2 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP (W)		
Channel				518004	519000	519996	L	M	H
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.41	19.51	19.37	0.6180	0.6324	0.6124
40	PI/2 BPSK	1	53	19.39	19.54	19.27	0.6152	0.6368	0.5984
40	PI/2 BPSK	1	104	19.39	19.50	19.42	0.6152	0.6310	0.6194
40	PI/2 BPSK	50	0	19.38	19.64	19.33	0.6138	0.6516	0.6067
40	PI/2 BPSK	50	28	19.37	19.61	19.28	0.6124	0.6471	0.5998
40	PI/2 BPSK	50	56	19.50	19.57	19.37	0.6310	0.6412	0.6124
40	PI/2 BPSK	100	0	19.33	19.63	19.33	0.6067	0.6501	0.6067
40	QPSK	1	1	19.49	19.70	19.27	0.6295	0.6607	0.5984
40	QPSK	1	53	19.43	19.65	19.31	0.6209	0.6531	0.6039
40	QPSK	1	104	19.33	19.47	19.34	0.6067	0.6266	0.6081
40	QPSK	50	0	19.42	19.58	19.38	0.6194	0.6427	0.6138
40	QPSK	50	28	19.38	19.66	19.25	0.6138	0.6546	0.5957
40	QPSK	50	56	19.51	19.65	19.45	0.6324	0.6531	0.6237
40	QPSK	100	0	19.45	19.67	19.29	0.6237	0.6561	0.6012



40	16QAM	1	1	19.30	19.58	19.41	0.6026	0.6427	0.6180
40	64QAM	1	1	19.47	19.60	19.38	0.6266	0.6457	0.6138
40	256QAM	1	1	18.01	18.15	18.17	0.4477	0.4624	0.4645
Channel				517002	519000	520998	L	M	H
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.44	19.50	19.35	0.6223	0.6310	0.6095
30	16QAM	1	1	19.22	19.45	19.18	0.5916	0.6237	0.5861
Channel				516000	519000	522000	L	M	H
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.48	19.53	19.46	0.6281	0.6353	0.6252
20	16QAM	1	1	19.41	19.45	19.41	0.6180	0.6237	0.6180
Channel				515502	519000	522498	L	M	H
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.50	19.50	19.37	0.6310	0.6310	0.6124
15	16QAM	1	1	19.40	19.41	19.32	0.6166	0.6180	0.6053
Channel				515004	519000	522996	L	M	H
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.53	19.57	19.44	0.6353	0.6412	0.6223
10	16QAM	1	1	19.44	19.52	19.41	0.6223	0.6339	0.6180

5G NR n41_ Module C Ant2 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP (W)		
Channel				509202	518598	528000	L	M	H
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.61	19.71	19.55	0.6471	0.6622	0.6383
100	PI/2 BPSK	1	137	19.52	19.73	19.44	0.6339	0.6653	0.6223
100	PI/2 BPSK	1	271	19.56	19.72	19.53	0.6397	0.6637	0.6353
100	PI/2 BPSK	135	0	19.49	19.76	19.44	0.6295	0.6699	0.6223
100	PI/2 BPSK	135	69	19.57	19.75	19.47	0.6412	0.6683	0.6266
100	PI/2 BPSK	135	138	19.64	19.71	19.55	0.6516	0.6622	0.6383
100	PI/2 BPSK	270	0	19.54	19.73	19.44	0.6368	0.6653	0.6223
100	QPSK	1	1	19.60	19.83	19.44	0.6457	0.6808	0.6223
100	QPSK	1	137	19.63	19.82	19.46	0.6501	0.6792	0.6252
100	QPSK	1	271	19.54	19.69	19.52	0.6368	0.6592	0.6339
100	QPSK	135	0	19.58	19.69	19.53	0.6427	0.6592	0.6353
100	QPSK	135	69	19.60	19.81	19.44	0.6457	0.6776	0.6223
100	QPSK	135	138	19.63	19.78	19.56	0.6501	0.6730	0.6397
100	QPSK	270	0	19.62	19.80	19.44	0.6486	0.6761	0.6223
100	16QAM	1	s	19.49	19.68	19.55	0.6295	0.6577	0.6383
100	64QAM	1	1	19.56	19.78	19.47	0.6397	0.6730	0.6266
100	256QAM	1	1	18.18	18.34	18.31	0.4656	0.4831	0.4797
Channel				508200	518598	528996	L	M	H
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.63	19.67	19.56	0.6501	0.6561	0.6397
90	16QAM	1	1	19.55	19.62	19.51	0.6383	0.6486	0.6324
Channel				507204	518598	529998	L	M	H



Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.51	19.71	19.47	0.6324	0.6622	0.6266
80	16QAM	1	1	19.42	19.63	19.42	0.6194	0.6501	0.6194
Channel				506202	518598	531000	L	M	H
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.48	19.74	19.53	0.6281	0.6668	0.6353
70	16QAM	1	1	19.41	19.65	19.44	0.6180	0.6531	0.6223
Channel				505200	518598	531996	L	M	H
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.64	19.80	19.57	0.6516	0.6761	0.6412
60	16QAM	1	1	19.58	19.72	19.51	0.6427	0.6637	0.6324
Channel				504204	518598	532998	L	M	H
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.49	19.67	19.45	0.6295	0.6561	0.6237
50	16QAM	1	1	19.41	19.54	19.41	0.6180	0.6368	0.6180
Channel				503202	518598	534000	L	M	H
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.53	19.80	19.44	0.6353	0.6761	0.6223
40	16QAM	1	1	19.51	19.76	19.33	0.6324	0.6699	0.6067
Channel				502200	518598	534996	L	M	H
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.59	19.80	19.53	0.6442	0.6761	0.6353
30	16QAM	1	1	19.52	19.67	19.43	0.6339	0.6561	0.6209
Channel				501204	518598	535998	L	M	H
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.62	19.72	19.44	0.6486	0.6637	0.6223
20	16QAM	1	1	19.53	19.69	19.23	0.6353	0.6592	0.5929

5G NR n71_ Module B Ant0 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP (W)		
Channel				134600	136100	137600	L	M	H
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	22.80	22.88	22.70	0.3936	0.4009	0.3846
20	PI/2 BPSK	1	53	22.81	22.89	22.75	0.3945	0.4018	0.3890
20	PI/2 BPSK	1	104	22.75	22.89	22.86	0.3890	0.4018	0.3990
20	PI/2 BPSK	50	0	22.44	22.56	22.43	0.3622	0.3724	0.3614
20	PI/2 BPSK	50	28	22.82	22.82	22.77	0.3954	0.3954	0.3908
20	PI/2 BPSK	50	56	22.49	22.44	22.31	0.3664	0.3622	0.3516
20	PI/2 BPSK	100	0	22.31	22.57	22.31	0.3516	0.3733	0.3516
20	QPSK	1	1	22.92	23.01	23.00	0.4046	0.4130	0.4121
20	QPSK	1	53	22.96	22.85	22.63	0.4083	0.3981	0.3784
20	QPSK	1	104	22.83	22.85	22.90	0.3963	0.3981	0.4027
20	QPSK	50	0	22.11	21.93	21.88	0.3357	0.3221	0.3184
20	QPSK	50	28	22.88	23.00	22.81	0.4009	0.4121	0.3945
20	QPSK	50	56	21.86	21.85	21.74	0.3170	0.3162	0.3083
20	QPSK	100	0	21.90	21.92	21.86	0.3199	0.3214	0.3170



20	16QAM	1	1	21.98	22.20	21.92	0.3258	0.3428	0.3214
20	64QAM	1	1	20.29	20.34	20.22	0.2208	0.2234	0.2173
20	256QAM	1	1	18.50	18.53	18.45	0.1462	0.1472	0.1445
Channel				134100	136100	138100	L	M	H
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.87	22.94	22.91	0.3999	0.4064	0.4036
15	16QAM	1	1	21.81	21.89	21.83	0.3133	0.3192	0.3148
Channel				133600	136100	138600	L	M	H
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.83	22.93	22.90	0.3963	0.4055	0.4027
10	16QAM	1	1	21.88	21.83	21.78	0.3184	0.3148	0.3112
Channel				133100	136100	139100	L	M	H
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.81	22.87	22.94	0.3945	0.3999	0.4064
5	16QAM	1	1	21.81	21.76	21.78	0.3133	0.3097	0.3112



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

N7 SA / NR 40MHz / QPSK(ANT0)								
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)
Lowest	5008	-60.97	-25	-35.97	-71.18	3.03	13.24	H
	7500	-60.47	-25	-35.47	-69.92	3.56	13.01	H
	10006	-62.72	-25	-37.72	-72.24	3.92	13.44	H
	5008	-59.18	-25	-34.18	-69.39	3.03	13.24	V
	7500	-57.76	-25	-32.76	-67.21	3.56	13.01	V
	10006	-62.90	-25	-37.90	-72.42	3.92	13.44	V
Middle	5036	-56.07	-25	-31.07	-66.28	3.03	13.24	H
	7556	-62.79	-25	-37.79	-72.24	3.56	13.01	H
	10062	-62.48	-25	-37.48	-72.00	3.92	13.44	H
	5036	-51.41	-25	-26.41	-61.62	3.03	13.24	V
	7556	-62.49	-25	-37.49	-71.94	3.56	13.01	V
	10062	-62.74	-25	-37.74	-72.26	3.92	13.44	V
Highest	5064	-57.73	-25	-32.73	-67.94	3.03	13.24	H
	7598	-63.06	-25	-38.06	-72.51	3.56	13.01	H
	10132	-62.94	-25	-37.94	-72.46	3.92	13.44	H
	5064	-54.75	-25	-29.75	-64.96	3.03	13.24	V
	7598	-63.28	-25	-38.28	-72.73	3.56	13.01	V
	10132	-64.10	-25	-39.10	-73.62	3.92	13.44	V

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



N41 SA / NR 100MHz / QPSK(ANT0)								
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)
Lowest	5008	-57.62	-25	-32.62	-67.83	3.03	13.24	H
	7500	-59.77	-25	-34.77	-69.22	3.56	13.01	H
	10020	-62.00	-25	-37.00	-71.52	3.92	13.44	H
	5008	-49.62	-25	-24.62	-59.83	3.03	13.24	V
	7500	-62.13	-25	-37.13	-71.58	3.56	13.01	V
	10020	-62.30	-25	-37.30	-71.82	3.92	13.44	V
Middle	5092	-57.54	-25	-32.54	-67.75	3.03	13.24	H
	7640	-62.45	-25	-37.45	-71.90	3.56	13.01	H
	10188	-61.27	-25	-36.27	-70.79	3.92	13.44	H
	5092	-57.35	-25	-32.35	-67.56	3.03	13.24	V
	7640	-62.44	-25	-37.44	-71.89	3.56	13.01	V
	10188	-61.59	-25	-36.59	-71.11	3.92	13.44	V
Highest	5176	-59.88	-25	-34.88	-70.09	3.03	13.24	H
	7780	-62.77	-25	-37.77	-72.22	3.56	13.01	H
	10384	-62.08	-25	-37.08	-71.60	3.92	13.44	H
	5176	-56.29	-25	-31.29	-66.50	3.03	13.24	V
	7780	-62.45	-25	-37.45	-71.90	3.56	13.01	V
	10384	-62.43	-25	-37.43	-71.95	3.92	13.44	V

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

EN-DC_66A_n7A / LTE 10MHz + NR 40MHz / QPSK (ANT2+0)								
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)
Lowest	5008	-44.52	-25	-19.52	-54.73	3.03	13.24	H
	7500	-56.48	-25	-31.48	-65.93	3.56	13.01	H
	10006	-62.91	-25	-37.91	-72.43	3.92	13.44	H
	5008	-44.14	-25	-19.14	-54.35	3.03	13.24	V
	7500	-54.45	-25	-29.45	-63.90	3.56	13.01	V
	10006	-62.88	-25	-37.88	-72.40	3.92	13.44	V
Middle	5036	-45.02	-25	-20.02	-55.23	3.03	13.24	H
	7542	-57.21	-25	-32.21	-66.66	3.56	13.01	H
	10062	-62.76	-25	-37.76	-72.28	3.92	13.44	H
	5036	-43.66	-25	-18.66	-53.87	3.03	13.24	V
	7542	-55.65	-25	-30.65	-65.10	3.56	13.01	V
	10062	-62.76	-25	-37.76	-72.28	3.92	13.44	V
Highest	5064	-49.23	-25	-24.23	-59.44	3.03	13.24	H
	7598	-57.66	-25	-32.66	-67.11	3.56	13.01	H
	10132	-62.27	-25	-37.27	-71.79	3.92	13.44	H
	5064	-47.15	-25	-22.15	-57.36	3.03	13.24	V
	7598	-54.97	-25	-29.97	-64.42	3.56	13.01	V
	10132	-62.85	-25	-37.85	-72.37	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 (ANT2+0)								
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)
Lowest	5008	-57.62	-25	-32.62	-67.83	3.03	13.24	H
	7500	-59.77	-25	-34.77	-69.22	3.56	13.01	H
	10020	-62.00	-25	-37.00	-71.52	3.92	13.44	H
	5008	-49.62	-25	-24.62	-59.83	3.03	13.24	V
	7500	-62.13	-25	-37.13	-71.58	3.56	13.01	V
	10020	-62.30	-25	-37.30	-71.82	3.92	13.44	V
Middle	5092	-57.54	-25	-32.54	-67.75	3.03	13.24	H
	7640	-62.45	-25	-37.45	-71.90	3.56	13.01	H
	10188	-61.27	-25	-36.27	-70.79	3.92	13.44	H
	5092	-57.35	-25	-32.35	-67.56	3.03	13.24	V
	7640	-62.44	-25	-37.44	-71.89	3.56	13.01	V
	10188	-61.59	-25	-36.59	-71.11	3.92	13.44	V
Highest	5176	-59.88	-25	-34.88	-70.09	3.03	13.24	H
	7780	-62.77	-25	-37.77	-72.22	3.56	13.01	H
	10384	-62.08	-25	-37.08	-71.60	3.92	13.44	H
	5176	-56.29	-25	-31.29	-66.50	3.03	13.24	V
	7780	-62.45	-25	-37.45	-71.90	3.56	13.01	V
	10384	-62.43	-25	-37.43	-71.95	3.92	13.44	V

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



N12 SA / NR 10MHz / QPSK(ANT0)								
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)
Lowest	1400	-48.06	-13	-35.06	-55.03	1.58	10.70	H
	2096	-36.98	-13	-23.98	-45.23	2.102	12.50	H
	2800	-42.36	-13	-29.36	-51.25	2.856	13.90	H
	3496	-48.81	-13	-35.81	-58.77	3.455	15.57	H
	4200	-47.90	-13	-34.90	-58.82	4.0933	17.17	H
	4896	-45.63	-13	-32.63	-57.52	4.7313	18.77	H
	5600	-34.75	-13	-21.75	-47.60	5.3693	20.37	H
	6296	-42.02	-13	-29.02	-55.83	6.0073	21.97	H
	6992	-46.33	-13	-33.33	-61.10	6.6453	23.57	H
	7696	-46.16	-13	-33.16	-61.89	7.283	25.17	H
	8392	-51.34	-13	-38.34	-68.04	7.921	26.77	H
	1400	-49.69	-13	-36.69	-56.66	1.58	10.70	V
	2096	-30.44	-13	-17.44	-38.69	2.10	12.50	V
	2800	-39.15	-13	-26.15	-48.04	2.86	13.90	V
	3496	-45.17	-13	-32.17	-55.13	3.46	15.57	V
	4200	-39.95	-13	-26.95	-50.87	4.09	17.17	V
	4896	-40.53	-13	-27.53	-52.42	4.73	18.77	V
	5600	-31.87	-13	-18.87	-44.72	5.37	20.37	V
	6296	-36.38	-13	-23.38	-50.19	6.01	21.97	V
	7000	-50.37	-13	-37.37	-65.14	6.65	23.57	V
	7696	-44.76	-13	-31.76	-60.49	7.28	25.17	V
	8392	-47.83	-13	-34.83	-64.53	7.92	26.77	V
Middle	1400	-49.03	-13	-36.03	-56.00	1.58	10.70	H
	2104	-33.89	-13	-20.89	-42.14	2.102	12.50	H
	2800	-42.97	-13	-29.97	-51.86	2.856	13.90	H
	3504	-50.13	-13	-37.13	-60.09	3.455	15.57	H
	4200	-46.39	-13	-33.39	-57.31	4.0933	17.17	H
	4904	-44.99	-13	-31.99	-56.88	4.7313	18.77	H
	5608	-37.79	-13	-24.79	-50.64	5.3693	20.37	H
	6304	-40.98	-13	-27.98	-54.79	6.0073	21.97	H
	7008	-45.83	-13	-32.83	-60.60	6.6453	23.57	H
	7704	-46.93	-13	-33.93	-62.66	7.283	25.17	H
	8408	-47.29	-13	-34.29	-63.99	7.921	26.77	H
	1400	-51.10	-13	-38.10	-58.07	1.58	10.70	V
	2104	-31.65	-13	-18.65	-39.90	2.10	12.50	V
	2800	-38.04	-13	-25.04	-46.93	2.86	13.90	V
	3504	-45.90	-13	-32.90	-55.86	3.46	15.57	V
	4200	-38.11	-13	-25.11	-49.03	4.09	17.17	V
	4904	-41.20	-13	-28.20	-53.09	4.73	18.77	V
	5608	-32.80	-13	-19.80	-45.65	5.37	20.37	V
	6304	-35.47	-13	-22.47	-49.28	6.01	21.97	V
	7008	-50.68	-13	-37.68	-65.45	6.65	23.57	V
	7704	-45.59	-13	-32.59	-61.32	7.28	25.17	V
	8408	-47.58	-13	-34.58	-64.28	7.92	26.77	V
Highest	1400	-49.74	-13	-36.74	-56.71	1.58	10.70	H



	2104	-32.17	-13	-19.17	-40.42	2.102	12.50	H
	2808	-44.42	-13	-31.42	-53.31	2.856	13.90	H
	3504	-50.63	-13	-37.63	-60.59	3.455	15.57	H
	4208	-46.55	-13	-33.55	-57.47	4.0933	17.17	H
	4912	-45.47	-13	-32.47	-57.36	4.7313	18.77	H
	5616	-36.77	-13	-23.77	-49.62	5.3693	20.37	H
	6312	-42.82	-13	-29.82	-56.63	6.0073	21.97	H
	7016	-48.03	-13	-35.03	-62.80	6.6453	23.57	H
	7720	-48.18	-13	-35.18	-63.91	7.283	25.17	H
	8416	-48.88	-13	-35.88	-65.58	7.921	26.77	H
	1400	-49.33	-13	-36.33	-56.30	1.58	10.70	V
	2104	-28.35	-13	-15.35	-36.60	2.10	12.50	V
	2808	-39.01	-13	-26.01	-47.90	2.86	13.90	V
	3504	-48.36	-13	-35.36	-58.32	3.46	15.57	V
	4208	-38.53	-13	-25.53	-49.45	4.09	17.17	V
	4912	-41.22	-13	-28.22	-53.11	4.73	18.77	V
	5616	-33.71	-13	-20.71	-46.56	5.37	20.37	V
	6312	-38.84	-13	-25.84	-52.65	6.01	21.97	V
	7016	-48.61	-13	-35.61	-63.38	6.65	23.57	V
	7720	-47.43	-13	-34.43	-63.16	7.28	25.17	V
	8416	-46.57	-13	-33.57	-63.27	7.92	26.77	V

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

EN-DC_66A_n12A / LTE 10MHz + NR 10MHz / QPSK (ANT2+0)								
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)
Lowest	1400	-53.13	-13	-40.13	-60.10	1.58	10.70	H
	2096	-36.14	-13	-23.14	-44.39	2.102	12.50	H
	2800	-42.77	-13	-29.77	-51.66	2.856	13.90	H
	3496	-44.98	-13	-31.98	-54.94	3.455	15.57	H
	4200	-45.76	-13	-32.76	-56.68	4.0933	17.17	H
	4896	-46.02	-13	-33.02	-57.91	4.7313	18.77	H
	5600	-36.35	-13	-23.35	-49.20	5.3693	20.37	H
	6296	-39.72	-13	-26.72	-53.53	6.0073	21.97	H
	7000	-48.49	-13	-35.49	-63.26	6.6453	23.57	H
	7696	-47.80	-13	-34.80	-63.53	7.283	25.17	H
	1400	-53.22	-13	-40.22	-60.19	1.58	10.70	V
	2096	-36.28	-13	-23.28	-44.53	2.10	12.50	V
	2800	-35.82	-13	-22.82	-44.71	2.86	13.90	V
	3496	-45.03	-13	-32.03	-54.99	3.46	15.57	V
	4200	-43.23	-13	-30.23	-54.15	4.09	17.17	V
	4896	-45.56	-13	-32.56	-57.45	4.73	18.77	V
	5600	-38.23	-13	-25.23	-51.08	5.37	20.37	V
	6296	-44.84	-13	-31.84	-58.65	6.01	21.97	V
	7000	-48.74	-13	-35.74	-63.51	6.65	23.57	V
	7696	-50.31	-13	-37.31	-66.04	7.28	25.17	V
Middle	1400	-53.12	-13	-40.12	-60.09	1.58	10.70	H



	2104	-40.72	-13	-27.72	-48.97	2.102	12.50	H
	2800	-43.87	-13	-30.87	-52.76	2.856	13.90	H
	3504	-49.16	-13	-36.16	-59.12	3.455	15.57	H
	4200	-46.07	-13	-33.07	-56.99	4.0933	17.17	H
	4904	-49.67	-13	-36.67	-61.56	4.7313	18.77	H
	5608	-37.39	-13	-24.39	-50.24	5.3693	20.37	H
	6304	-46.25	-13	-33.25	-60.06	6.0073	21.97	H
	7008	-45.55	-13	-32.55	-60.32	6.6453	23.57	H
	7704	-50.41	-13	-37.41	-66.14	7.283	25.17	H
	8408	-53.24	-13	-40.24	-69.94	7.921	26.77	H
	1400	-51.71	-13	-38.71	-58.68	1.58	10.70	V
	2104	-35.85	-13	-22.85	-44.10	2.10	12.50	V
	2800	-40.06	-13	-27.06	-48.95	2.86	13.90	V
	3504	-46.03	-13	-33.03	-55.99	3.46	15.57	V
	4200	-38.31	-13	-25.31	-49.23	4.09	17.17	V
	4904	-39.78	-13	-26.78	-51.67	4.73	18.77	V
	5608	-36.98	-13	-23.98	-49.83	5.37	20.37	V
	6304	-39.55	-13	-26.55	-53.36	6.01	21.97	V
	7008	-47.43	-13	-34.43	-62.20	6.65	23.57	V
	7704	-48.66	-13	-35.66	-64.39	7.28	25.17	V
	8408	-51.85	-13	-38.85	-68.55	7.92	26.77	V
Highest	1400	-55.67	-13	-42.67	-62.64	1.58	10.70	H
	2104	-34.04	-13	-21.04	-42.29	2.102	12.50	H
	2808	-43.60	-13	-30.60	-52.49	2.856	13.90	H
	3504	-46.81	-13	-33.81	-56.77	3.455	15.57	H
	4208	-45.06	-13	-32.06	-55.98	4.0933	17.17	H
	4912	-47.19	-13	-34.19	-59.08	4.7313	18.77	H
	5616	-39.38	-13	-26.38	-52.23	5.3693	20.37	H
	6312	-40.38	-13	-27.38	-54.19	6.0073	21.97	H
	7016	-48.53	-13	-35.53	-63.30	6.6453	23.57	H
	7720	-47.70	-13	-34.70	-63.43	7.283	25.17	H
	8416	-51.88	-13	-38.88	-68.58	7.921	26.77	H
	1400	-52.52	-13	-39.52	-59.49	1.58	10.70	V
	2104	-33.43	-13	-20.43	-41.68	2.10	12.50	V
	2808	-36.06	-13	-23.06	-44.95	2.86	13.90	V
	3504	-46.22	-13	-33.22	-56.18	3.46	15.57	V
	4208	-42.88	-13	-29.88	-53.80	4.09	17.17	V
	4912	-45.59	-13	-32.59	-57.48	4.73	18.77	V
	5616	-35.71	-13	-22.71	-48.56	5.37	20.37	V
	6312	-43.63	-13	-30.63	-57.44	6.01	21.97	V
	7016	-48.96	-13	-35.96	-63.73	6.65	23.57	V
	7720	-51.16	-13	-38.16	-66.89	7.28	25.17	V
	8416	-52.79	-13	-39.79	-69.49	7.92	26.77	V

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



N13 SA / NR 5MHz / QPSK(ANT0)								
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)
Lowest	1552	-53.50	-13	-40.50	-56.13	1.09	5.87	H
	2328	-26.84	-13	-13.84	-29.24	1.37	5.92	H
	3112	-60.20	-13	-47.20	-64.09	1.64	7.68	H
	1552	-59.44	-13	-46.44	-62.07	1.09	5.87	V
	2336	-47.63	-13	-34.63	-50.03	1.37	5.92	V
	3112	-59.78	-13	-46.78	-63.67	1.64	7.68	V
Middle	1560	-57.94	-42.15	-15.79	-60.57	1.09	5.87	H
	2336	-45.39	-13	-32.39	-47.79	1.37	5.92	H
	3120	-60.14	-13	-47.14	-64.03	1.64	7.68	H
	1560	-48.92	-42.15	-6.77	-51.55	1.09	5.87	V
	2336	-24.54	-13	-11.54	-26.94	1.37	5.92	V
	3120	-57.11	-13	-44.11	-61.00	1.64	7.68	V
Highest	1568	-51.18	-42.15	-9.03	-53.81	1.09	5.87	H
	2344	-28.48	-13	-15.48	-30.88	1.37	5.92	H
	3128	-59.05	-13	-46.05	-62.94	1.64	7.68	H
	1568	-56.75	-42.15	-14.60	-59.38	1.09	5.87	V
	2344	-57.21	-13	-44.21	-59.61	1.37	5.92	V
	3128	-57.07	-13	-44.07	-60.96	1.64	7.68	V

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

N13 SA / NR 10MHz / QPSK(ANT0)								
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	1552	-52.73	-13	-39.73	-55.36	1.09	5.87	H
	2336	-25.42	-13	-12.42	-27.82	1.37	5.92	H
	3112	-60.90	-13	-47.90	-64.79	1.64	7.68	H
	1552	-55.26	-13	-42.26	-57.89	1.09	5.87	V
	2336	-26.61	-13	-13.61	-29.01	1.37	5.92	V
	3112	-59.21	-13	-46.21	-63.10	1.64	7.68	V

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



N71 SA / NR 20MHz / QPSK(ANT0)								
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)
Lowest	1328	-55.15	-13	-42.15	-56.90	1.02	4.92	H
	1992	-43.98	-13	-30.98	-45.95	1.27	5.39	H
	2656	-49.27	-13	-36.27	-52.20	1.49	6.57	H
	3320	-41.96	-13	-28.96	-45.36	1.73	7.28	H
	3984	-45.16	-13	-32.16	-49.15	1.97	8.10	H
	4648	-44.54	-13	-31.54	-49.12	2.20	8.93	H
	5312	-47.62	-13	-34.62	-52.79	2.44	9.75	H
	5976	-51.07	-13	-38.07	-56.83	2.67	10.58	H
	6640	-49.64	-13	-36.64	-55.99	2.91	11.40	H
	7304	-53.44	-13	-40.44	-60.38	3.14	12.23	H
	7968	-52.69	-13	-39.69	-60.22	3.38	13.05	H
	8624	-52.88	-13	-39.88	-61.00	3.61	13.88	H
	1328	-54.82	-13	-41.82	-56.57	1.02	4.92	V
	1992	-41.78	-13	-28.78	-43.75	1.27	5.39	V
	2656	-44.79	-13	-31.79	-47.72	1.49	6.57	V
	3320	-38.54	-13	-25.54	-41.94	1.73	7.28	V
	3984	-34.82	-13	-21.82	-38.81	1.97	8.10	V
	4648	-38.77	-13	-25.77	-43.35	2.20	8.93	V
	5312	-44.31	-13	-31.31	-49.48	2.44	9.75	V
	5976	-48.20	-13	-35.20	-53.96	2.67	10.58	V
	6640	-53.77	-13	-40.77	-60.12	2.91	11.40	V
	7304	-54.01	-13	-41.01	-60.95	3.14	12.23	V
	7968	-53.67	-13	-40.67	-61.20	3.38	13.05	V
	8624	-52.29	-13	-39.29	-60.41	3.61	13.88	V
Middle	1344	-49.79	-13	-36.79	-51.54	1.02	4.92	H
	2016	-41.78	-13	-28.78	-43.75	1.27	5.39	H
	2688	-48.38	-13	-35.38	-51.31	1.49	6.57	H
	3352	-42.08	-13	-29.08	-45.48	1.73	7.28	H
	4024	-44.82	-13	-31.82	-48.81	1.97	8.10	H
	4696	-46.31	-13	-33.31	-50.89	2.20	8.93	H
	5368	-46.61	-13	-33.61	-51.78	2.44	9.75	H
	6040	-49.25	-13	-36.25	-55.01	2.67	10.58	H
	6712	-51.19	-13	-38.19	-57.54	2.91	11.40	H
	7384	-55.40	-13	-42.40	-62.34	3.14	12.23	H
	8056	-54.10	-13	-41.10	-61.63	3.38	13.05	H
	8728	-53.14	-13	-40.14	-61.26	3.61	13.88	H
	1344	-53.18	-13	-40.18	-54.93	1.02	4.92	V
	2016	-38.08	-13	-25.08	-40.05	1.27	5.39	V
	2688	-44.03	-13	-31.03	-46.96	1.49	6.57	V
	3352	-39.14	-13	-26.14	-42.54	1.73	7.28	V
	4024	-33.50	-13	-20.50	-37.49	1.97	8.10	V
	4696	-42.44	-13	-29.44	-47.02	2.20	8.93	V
	5368	-45.24	-13	-32.24	-50.41	2.44	9.75	V
	6040	-43.16	-13	-30.16	-48.92	2.67	10.58	V
	6712	-51.47	-13	-38.47	-57.82	2.91	11.40	V



Highest	7384	-55.18	-13	-42.18	-62.12	3.14	12.23	V
	8056	-53.70	-13	-40.70	-61.23	3.38	13.05	V
	8728	-50.09	-13	-37.09	-58.21	3.61	13.88	V
	1360	-51.65	-13	-38.65	-53.40	1.02	4.92	H
	2032	-42.39	-13	-29.39	-44.36	1.27	5.39	H
	2712	-45.35	-13	-32.35	-48.28	1.49	6.57	H
	3392	-43.73	-13	-30.73	-47.13	1.73	7.28	H
	4072	-43.24	-13	-30.24	-47.23	1.97	8.10	H
	4752	-46.20	-13	-33.20	-50.78	2.20	8.93	H
	5432	-48.94	-13	-35.94	-54.11	2.44	9.75	H
	6112	-50.38	-13	-37.38	-56.14	2.67	10.58	H
	6784	-43.71	-13	-30.71	-50.06	2.91	11.40	H
	7464	-55.55	-13	-42.55	-62.49	3.14	12.23	H
	1360	-52.16	-13	-39.16	-53.91	1.02	4.92	V
	2032	-39.18	-13	-26.18	-41.15	1.27	5.39	V
	2712	-44.31	-13	-31.31	-47.24	1.49	6.57	V
	3392	-39.91	-13	-26.91	-43.31	1.73	7.28	V
	4072	-36.50	-13	-23.50	-40.49	1.97	8.10	V
	4752	-41.92	-13	-28.92	-46.50	2.20	8.93	V
	5432	-45.31	-13	-32.31	-50.48	2.44	9.75	V
	6112	-44.51	-13	-31.51	-50.27	2.67	10.58	V
	6784	-45.16	-13	-32.16	-51.51	2.91	11.40	V
	7464	-55.06	-13	-42.06	-62.00	3.14	12.23	V

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



EN-DC_66A_n71A / LTE 10MHz + NR 20MHz / QPSK (ANT2+0)								
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)
Lowest	1328	-55.45	-13	-42.45	-57.20	1.02	4.92	H
	1992	-49.03	-13	-36.03	-51.00	1.27	5.39	H
	2656	-50.57	-13	-37.57	-53.50	1.49	6.57	H
	3320	-38.88	-13	-25.88	-42.28	1.73	7.28	H
	3984	-46.10	-13	-33.10	-50.09	1.97	8.10	H
	4648	-41.80	-13	-28.80	-46.38	2.20	8.93	H
	5312	-45.17	-13	-32.17	-50.34	2.44	9.75	H
	5976	-51.08	-13	-38.08	-56.84	2.67	10.58	H
	6640	-50.50	-13	-37.50	-56.85	2.91	11.40	H
	7304	-52.92	-13	-39.92	-59.86	3.14	12.23	H
	7968	-54.43	-13	-41.43	-61.96	3.38	13.05	H
	1328	-55.69	-13	-42.69	-57.44	1.02	4.92	V
	1992	-46.80	-13	-33.80	-48.77	1.27	5.39	V
	2656	-44.68	-13	-31.68	-47.61	1.49	6.57	V
	3320	-38.89	-13	-25.89	-42.29	1.73	7.28	V
	3984	-40.46	-13	-27.46	-44.45	1.97	8.10	V
	4648	-39.36	-13	-26.36	-43.94	2.20	8.93	V
	5312	-45.10	-13	-32.10	-50.27	2.44	9.75	V
	5976	-51.11	-13	-38.11	-56.87	2.67	10.58	V
	6640	-52.93	-13	-39.93	-59.28	2.91	11.40	V
	7304	-53.68	-13	-40.68	-60.62	3.14	12.23	V
	7968	-55.43	-13	-42.43	-62.96	3.38	13.05	V
Middle	1344	-53.30	-13	-40.30	-55.05	1.02	4.92	H
	2016	-46.20	-13	-33.20	-48.17	1.27	5.39	H
	2688	-50.55	-13	-37.55	-53.48	1.49	6.57	H
	3352	-39.87	-13	-26.87	-43.27	1.73	7.28	H
	4024	-44.45	-13	-31.45	-48.44	1.97	8.10	H
	4696	-44.17	-13	-31.17	-48.75	2.20	8.93	H
	5368	-44.77	-13	-31.77	-49.94	2.44	9.75	H
	6040	-44.77	-13	-31.77	-50.53	2.67	10.58	H
	6712	-50.81	-13	-37.81	-57.16	2.91	11.40	H
	7384	-51.82	-13	-38.82	-58.76	3.14	12.23	H
	8056	-54.00	-13	-41.00	-61.53	3.38	13.05	H
	8728	-53.07	-13	-40.07	-61.19	3.61	13.88	H
	1344	-50.58	-13	-37.58	-52.33	1.02	4.92	V
	2016	-42.83	-13	-29.83	-44.80	1.27	5.39	V
	2688	-41.40	-13	-28.40	-44.33	1.49	6.57	V
	3352	-39.63	-13	-26.63	-43.03	1.73	7.28	V
	4024	-40.40	-13	-27.40	-44.39	1.97	8.10	V
	4696	-40.79	-13	-27.79	-45.37	2.20	8.93	V
	5368	-48.49	-13	-35.49	-53.66	2.44	9.75	V
	6040	-43.87	-13	-30.87	-49.63	2.67	10.58	V
	6712	-53.16	-13	-40.16	-59.51	2.91	11.40	V
	7384	-52.11	-13	-39.11	-59.05	3.14	12.23	V
	8056	-54.90	-13	-41.90	-62.43	3.38	13.05	V



Highest	8728	-53.21	-13	-40.21	-61.33	3.61	13.88	V
	1360	-54.20	-13	-41.20	-55.95	1.02	4.92	H
	2032	-42.20	-13	-29.20	-44.17	1.27	5.39	H
	2712	-48.81	-13	-35.81	-51.74	1.49	6.57	H
	3392	-39.31	-13	-26.31	-42.71	1.73	7.28	H
	4072	-44.38	-13	-31.38	-48.37	1.97	8.10	H
	4752	-45.46	-13	-32.46	-50.04	2.20	8.93	H
	5432	-42.21	-13	-29.21	-47.38	2.44	9.75	H
	6112	-44.54	-13	-31.54	-50.30	2.67	10.58	H
	6784	-39.77	-13	-26.77	-46.12	2.91	11.40	H
	7464	-51.86	-13	-38.86	-58.80	3.14	12.23	H
	8144	-52.85	-13	-39.85	-60.38	3.38	13.05	H
	8824	-52.55	-13	-39.55	-60.67	3.61	13.88	H
	1360	-49.68	-13	-36.68	-51.43	1.02	4.92	V
	2032	-40.19	-13	-27.19	-42.16	1.27	5.39	V
	2712	-41.36	-13	-28.36	-44.29	1.49	6.57	V
	3392	-41.85	-13	-28.85	-45.25	1.73	7.28	V
	4072	-41.92	-13	-28.92	-45.91	1.97	8.10	V
	4752	-42.08	-13	-29.08	-46.66	2.20	8.93	V
	5432	-45.78	-13	-32.78	-50.95	2.44	9.75	V
	6112	-46.06	-13	-33.06	-51.82	2.67	10.58	V
	6784	-42.25	-13	-29.25	-48.60	2.91	11.40	V
	7464	-52.75	-13	-39.75	-59.69	3.14	12.23	V
	8144	-54.69	-13	-54.69	-62.22	3.38	13.05	V
	8824	-53.39	-13	-53.39	-61.51	3.61	13.88	V

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