FCC RADIO TEST REPORT

FCC ID	:	**GKRRMLN1**
Equipment	:	**5G LGA Module**
Brand Name	:	**COMPAL**
Model Name	:	**RML-N1**
Marketing Name	:	**5G LGA Module**
Applicant	:	**Compal Electronics, Inc.** **No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei, (114) Taiwan**
Manufacturer	:	**Compal Electronics, Inc.** **No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei, (114) Taiwan**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

The product was received on Nov. 01, 2021 and testing was performed from Nov. 11, 2021 to Nov. 22, 2021. We, Sporton International Inc. EMC & Wireless Communications 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 variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FG133040-04B	01	Initial issue of report	Dec. 03, 2021
FG133040-04B	02	1. Revise summary of test result 2. Revise product feature of equipment under test in section 1.1 3. Revise remark in section 2.1 4. Add all functions supported by the device.	Dec. 14, 2021

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)(5)	Effective Radiated Power (n5)	Pass	
	§27.50 (c)(10)	Effective Radiated Power (n12) (n71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (n2) (n25) (n41)		
	§27.50 (d)(4) §27.50 (j)(3)	Equivalent Isotropic Radiated Power (n66) (n77) (n78)		
	§27.50 (a)(3)	Equivalent Isotropic Radiated Power (n30)		
-	§24.232 (d) §27.50 (d)(5) §27.50 (j)(4)	Peak-to-Average Ratio	Not Required	-
-	§2.1049	Occupied Bandwidth	Not Required	-
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h) §27.53(l)(2)	Conducted Band Edge Measurement (n2) (n5) (n12) (n25) (n66) (n71) (n77) (n78)	Not Required	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n41)		
	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement (n30)		
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h) §27.53(l)(2)	Conducted Spurious Emission (n2) (n5) (n12) (n25) (n66) (n71) (n77) (n78)	Not Required	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n41)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (n30)		
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Not Required	-

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h) §27.53(l)(2)	Radiated Spurious Emission (n2) (n5) (n12) (n25) (n66) (n71) (n77) (n78)	Not Required	-
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n41)		
	§2.1053 §27.53 (a)(4)	Conducted Spurious Emission (n30)		

Remark:

1. Not required means after assessing, test items are not necessary to carry out.

2. This is a variant report by turning on WWAN Band (LTE Band 13, 17 / 5G NR n78) via software. All the test cases were performed on original report which can be referred to Sporton Report Number FG133040-02B.

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Keven Cheng

Report Producer: Cindy Liu

1 General Description

1.1 Product Feature of Equipment Under Test

LTE/5G NR/GNSS

Product Specification is subject to this standard	
Test Antenna Type	Monopole Antenna
Test Antenna Gain	**<Ant. 0>:** 5G NR n2: 3.9 dBi 5G NR n5: 0.9 dBi 5G NR n12: 0 dBi 5G NR n25: 3.9 dBi 5G NR n30: -1.1 dBi 5G NR n41: 5.0 dBi 5G NR n66: 2.7 dBi 5G NR n71: 0 dBi **<Ant. 2>:** 5G NR n41: 3.5 dBi **<Ant. 4>:** 5G NR n2: 3.7 dBi 5G NR n66: 3.9 dBi **<Ant. 5>:** 5G NR n77: -2.1 dBi 5G NR n78: -2.1 dBi

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

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Sherry Wu
Temperature (℃)	25~26
Relative Humidity (%)	60~65

FCC Designation No.: TW1190

1.4 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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.

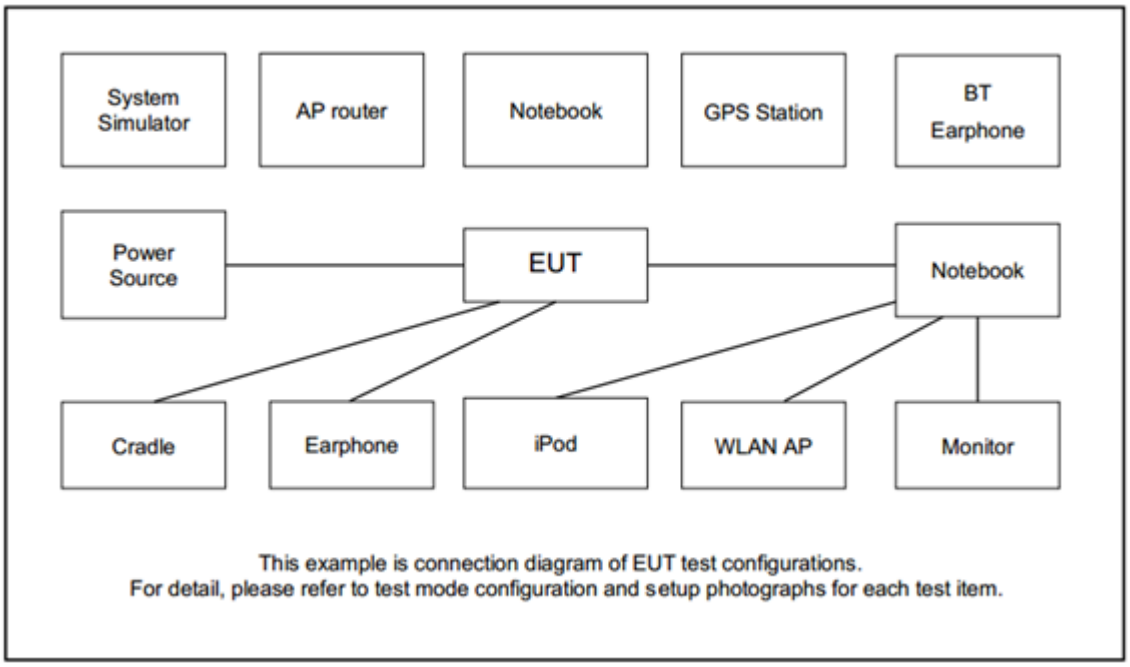
2 Test Configuration of Equipment Under Test

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		
		10	15	20	40	50	60	80	90	100	PI/2 BPSK	QPSK	16QAM	16QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.I.R.P	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	Max. Power					
Peak-to-Average Ratio	n78	Covered by 5G NR n77																			
26dB and 99% Bandwidth	n78	Covered by 5G NR n77																			
Conducted Band Edge	n78	Covered by 5G NR n77																			
Conducted Spurious Emission	n78	Covered by 5G NR n77																			
Frequency Stability	n78	Covered by 5G NR n77																			
Remark	1. The mark “v “ means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. For 5G NR n78, based on wider working range bandwidth and modulation, when the power is higher or the same, the same coverage area is narrower, so it is covered by 5G NR n77, other test results, please refer to FG133040-02B report																				

2.2 Connection Diagram of Test System



2.3 Frequency List of Low/Middle/High Channels

5G NR n78 Channel and Frequency List for SCS 15kHz				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	664832
	Frequency	3707.52	3750	3972.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795

5G NR n78 Channel and Frequency List for SCS 30kHz				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	650000	-
	Frequency	-	3750	-
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	664832
	Frequency	3707.52	3750	3972.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795

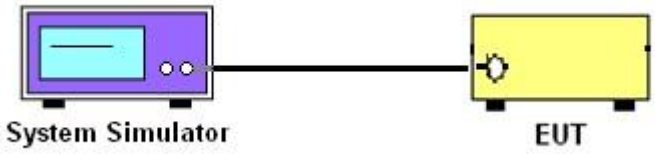
3 Conducted Test Items

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 EIRP

3.2.1 Description of the Conducted Output Power Measurement and 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 EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n78

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 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Programmable Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Feb. 20, 2021	Nov. 11, 2021~ Nov. 22, 2021	Feb. 19, 2022	Conducted (TH03-HY)
Hygrometer	Testo	608-H11	3489324	NA	Jan. 18, 2021	Nov. 11, 2021~ Nov. 22, 2021	Jan. 17, 2022	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262012917	FR1	Jan. 07, 2021	Nov. 11, 2021~ Nov. 22, 2021	Jan. 06, 2022	Conducted (TH03-HY)

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and EIRP

<Ant. 5>
<SCS 15K>

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.60	26.80	26.91	24.94	0.3119
10	1	50		26.71	26.93	27.04		
10	25	12		26.71	26.85	26.91		
10	1	0		23.11	23.11	23.44		
10	1	51		23.25	23.51	23.65		
10	50	0		26.14	26.04	26.45		
10	1	1	QPSK	26.57	26.71	26.79		
10	1	50		26.40	26.82	26.91		
10	25	12		26.67	26.85	26.91		
10	1	0		23.10	23.24	23.28		
10	1	51		23.29	23.42	23.49		
10	50	0		25.70	25.84	25.96		
10	1	1	16-QAM	25.92	25.80	25.72	23.82	0.2410
10	1	1	64-QAM	24.19	24.75	24.00		
10	1	1	256-QAM	21.81	22.05	22.07		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.81	26.61	27.12	25.21	0.3319
15	1	77		26.97	26.79	27.31		
15	36	18		26.97	27.12	27.30		
15	1	0		23.34	23.21	23.65		
15	1	78		23.52	23.48	23.90		
15	75	0		26.50	26.42	26.81		
15	1	1	QPSK	26.82	26.97	27.14		
15	1	77		26.85	27.12	27.25		
15	36	18		26.93	27.18	27.25		
15	1	0		23.23	23.51	23.56		
15	1	78		23.40	23.78	23.81		
15	75	0		25.91	26.17	26.35		
15	1	1	16-QAM	26.07	25.97	26.50	24.4	0.2754
15	1	1	64-QAM	24.27	24.52	24.70		
15	1	1	256-QAM	21.81	22.31	22.11		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.56	26.61	26.83	25.04	0.3192
20	1	104		26.70	26.72	27.14		
20	50	25		26.74	26.78	27.10		
20	1	0		23.00	23.11	23.31		
20	1	105		23.16	23.31	23.62		
20	100	0		26.23	26.30	26.52		
20	1	1	QPSK	26.51	26.52	26.81		
20	1	104		26.67	26.70	27.06		
20	50	25		26.78	26.78	27.10		
20	1	0		22.92	23.02	23.31		
20	1	105		23.16	23.19	23.61		
20	100	0		25.71	25.79	26.15		
20	1	1	16-QAM	25.45	25.54	25.98	23.88	0.2443
20	1	1	64-QAM	24.08	24.15	24.37		
20	1	1	256-QAM	21.82	21.98	22.05		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.17	26.05	26.18	24.81	0.3027
40	1	214		26.21	26.37	26.67		
40	108	54		26.54	26.62	26.80		
40	1	0		22.51	22.41	22.64		
40	1	215		22.70	22.87	23.14		
40	216	0		25.97	26.01	26.21		
40	1	1	QPSK	26.00	26.05	26.17		
40	1	214		26.11	26.35	26.51		
40	108	54		26.53	26.75	26.91		
40	1	0		22.39	22.54	22.62		
40	1	215		22.55	22.90	23.11		
40	216	0		25.31	25.67	25.81		
40	1	1	16-QAM	25.07	25.35	25.50	23.4	0.2188
40	1	1	64-QAM	23.41	23.61	23.71		
40	1	1	256-QAM	21.32	21.47	21.57		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.15	26.31	26.55	24.92	0.3105
50	1	268		26.40	26.70	27.02		
50	135	67		26.43	26.68	26.97		
50	1	0		22.67	22.74	23.01		
50	1	269		22.85	23.18	23.53		
50	270	0		25.93	26.14	26.51		
50	1	1	QPSK	26.31	26.20	26.42		
50	1	268		26.47	26.56	26.92		
50	135	67		26.61	26.64	27.00		
50	1	0		22.76	22.59	22.91		
50	1	269		22.97	22.99	23.42		
50	270	0		25.57	25.61	25.95		
50	1	1	16-QAM	25.53	25.31	25.51	23.43	0.2203
50	1	1	64-QAM	23.82	23.84	24.04		
50	1	1	256-QAM	21.69	21.60	21.81		
Limit	EIRP < 1W			Result			Pass	

<SCS 30K>

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	27.15	27.02	27.27	25.18	0.3296
10	1	22		27.10	27.00	27.28		
10	12	6		26.84	26.95	27.07		
10	1	0		23.17	23.39	23.50		
10	1	23		23.21	23.55	23.62		
10	24	0		26.35	26.49	26.61		
10	1	1	QPSK	26.85	26.82	26.85		
10	1	22		26.91	27.10	27.05		
10	12	6		26.77	26.97	27.04		
10	1	0		23.21	23.56	23.54		
10	1	23		23.25	23.63	23.67		
10	24	0		25.87	25.97	26.13		
10	1	1	16-QAM	25.66	25.92	26.11	24.01	0.2518
10	1	1	64-QAM	24.13	24.50	24.47		
10	1	1	256-QAM	22.39	22.45	22.21		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.78	26.83	26.59	24.94	0.3119
15	1	36		26.71	26.76	26.56		
15	18	9		26.40	26.79	26.65		
15	1	0		22.74	23.23	23.02		
15	1	37		22.30	23.21	23.19		
15	36	0		25.89	26.31	26.14		
15	1	1	QPSK	26.38	27.04	26.71		
15	1	36		26.31	26.75	26.64		
15	18	9		26.42	26.80	26.63		
15	1	0		22.70	23.24	23.02		
15	1	37		22.85	23.31	23.05		
15	36	0		25.41	25.80	25.64		
15	1	1	16-QAM	25.26	25.81	25.69	23.71	0.2350
15	1	1	64-QAM	23.70	24.58	24.04		
15	1	1	256-QAM	22.23	22.57	22.07		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.58	26.82	26.77	24.77	0.2999
20	1	49		26.67	26.87	26.86		
20	25	12		26.43	26.52	26.62		
20	1	0		22.71	22.90	22.94		
20	1	50		22.74	22.89	23.05		
20	50	0		25.92	26.00	26.08		
20	1	1	QPSK	26.54	26.61	26.53		
20	1	49		26.39	26.73	26.83		
20	25	12		26.43	26.51	26.62		
20	1	0		22.77	22.81	23.04		
20	1	50		22.77	22.86	23.09		
20	50	0		25.43	25.50	25.59		
20	1	1	16-QAM	25.41	25.52	25.40	23.42	0.2198
20	1	1	64-QAM	23.71	23.86	23.84		
20	1	1	256-QAM	21.91	22.03	22.01		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.44	26.14	26.63	24.73	0.2972
40	1	104		26.66	26.70	26.83		
40	50	25		26.44	26.45	26.63		
40	1	0		22.51	22.50	22.70		
40	1	105		22.64	22.91	22.64		
40	100	0		25.89	25.95	25.04		
40	1	1	QPSK	26.22	26.03	26.47		
40	1	104		26.17	26.31	26.23		
40	50	25		26.51	26.50	26.59		
40	1	0		22.56	22.59	22.61		
40	1	105		22.70	22.77	22.80		
40	100	0		25.39	25.45	25.55		
40	1	1	16-QAM	24.94	25.02	25.00	22.92	0.1959
40	1	1	64-QAM	23.78	23.83	23.40		
40	1	1	256-QAM	21.76	21.62	21.69		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.66	26.62	26.64	24.96	0.3133
50	1	131		26.87	27.06	26.84		
50	64	32		26.52	26.73	26.71		
50	1	0		22.64	22.69	22.93		
50	1	132		22.83	23.03	23.25		
50	128	0		25.87	26.07	26.13		
50	1	1	QPSK	26.10	26.37	26.73		
50	1	131		26.90	26.67	26.81		
50	64	32		26.51	26.64	26.79		
50	1	0		22.60	22.71	22.92		
50	1	132		22.78	22.99	23.18		
50	128	0		25.39	25.58	25.71		
50	1	1	16-QAM	25.21	25.50	25.41	23.40	0.2188
50	1	1	64-QAM	23.48	23.82	23.75		
50	1	1	256-QAM	21.84	21.93	22.00		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.91	26.77	26.80	25.33	0.3412
60	1	160		27.22	27.01	27.43		
60	81	40		26.85	26.51	26.92		
60	1	0		22.77	22.73	22.86		
60	1	161		23.29	23.17	23.59		
60	162	0		25.95	26.00	26.33		
60	1	1	QPSK	26.60	26.40	26.74		
60	1	160		27.04	27.00	27.27		
60	81	40		26.80	26.57	26.98		
60	1	0		23.02	22.79	22.91		
60	1	161		23.40	23.12	23.61		
60	162	0		25.71	25.63	25.89		
60	1	1	16-QAM	25.31	25.23	25.70	23.60	0.2291
60	1	1	64-QAM	23.72	24.01	23.97		
60	1	1	256-QAM	22.61	22.15	22.46		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.40	26.61	26.24	24.83	0.3041
80	1	215		26.51	26.90	26.93		
80	108	54		26.71	26.71	26.87		
80	1	0		22.57	22.77	22.67		
80	1	216		23.00	23.24	23.31		
80	216	0		26.00	26.20	26.15		
80	1	1	QPSK	26.37	26.49	26.22		
80	1	215		26.81	26.74	26.77		
80	108	54		26.62	26.66	26.75		
80	1	0		22.64	22.70	22.65		
80	1	216		23.02	23.31	23.22		
80	216	0		25.57	25.54	25.59		
80	1	1	16-QAM	25.79	25.05	24.99	23.69	0.2339
80	1	1	64-QAM	23.68	23.29	23.45		
80	1	1	256-QAM	21.98	22.33	22.70		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	26.47	26.49	26.43	24.82	0.3034
90	1	243		26.91	26.92	26.89		
90	120	60		26.51	26.70	26.57		
90	1	0		22.51	22.50	22.50		
90	1	244		23.07	23.01	23.15		
90	243	0		25.91	25.94	26.20		
90	1	1	QPSK	26.18	26.10	26.50		
90	1	243		26.59	26.52	26.72		
90	120	60		26.47	26.64	26.67		
90	1	0		22.59	22.47	22.49		
90	1	244		22.98	23.00	23.09		
90	243	0		25.40	25.56	25.59		
90	1	1	16-QAM	24.89	25.10	25.69	23.59	0.2286
90	1	1	64-QAM	23.64	23.24	23.46		
90	1	1	256-QAM	22.01	22.17	21.87		
Limit	EIRP < 1W			Result			Pass	

NR n78 Maximum Average Power [dBm] (GT - LC = -2.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	26.15	-	24.75	0.2985
100	1	271		-	26.80	-		
100	135	67		-	26.75	-		
100	1	0		-	22.51	-		
100	1	272		-	22.91	-		
100	270	0		-	25.96	-		
100	1	1	QPSK	-	26.22	-		
100	1	271		-	26.81	-		
100	135	67		-	26.85	-		
100	1	0		-	22.65	-		
100	1	272		-	23.20	-		
100	270	0		-	25.76	-		
100	1	1	16-QAM	-	25.10	-	23.00	0.1995
100	1	1	64-QAM	-	23.48	-		
100	1	1	256-QAM	-	21.95	-		
Limit	EIRP < 1W			Result			Pass	

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