



# FCC RADIO TEST REPORT

**FCC ID** : YY3-1102418  
**Equipment** : Wireless Module  
**Brand Name** : AirPrime  
**Model Name** : EM9191  
**Applicant** : Handheld Group AB  
Handheld Group AB, Kinnegatan 17 A,  
SE-531 33, Lidköping, Sweden  
**Manufacturer** : iBASE  
11F, No. 3-1, Yuan Qu Street, Nankang,  
Taipei, Taiwan, R.O.C.  
**Standard** : FCC 47 CFR Part 2, 22(H), 24(E), 27

Equipment: AirPrime EM9191 tested inside of Handheld Group ALGIZ 10XR.

The product was received on Oct. 17, 2022 and testing was performed from Nov. 21, 2022 to Nov. 25, 2022. 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 partial report apply exclusively to the tested model / sample. Without written approval from 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**



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## History of this test report

Report No.	Version	Description	Issue Date
FG261002C	01	Initial issue of report	Mar. 23, 2023



## 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 (n71)		
	§24.232 (c)	Equivalent Isotropic Radiated Power (n2)		
	§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)	-	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (n2) (n5) (n66) (n71)	-	See Note
-	§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
-	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (n2) (n5) (n66) (n71)	-	See Note

**Note:** The Original module was performed with an antenna of higher gain, and the antenna was connected to the module in an open environment. The current host platform under application uses an antenna with lower gain and is installed inside the host platform enclosure. The physical restraints introduced by the host platform should have resulted in equal or lower level of radiated emission. Therefore, based on each rule part retest worst band for radiated emission test.

**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: Cindy Liu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature	
Installed into Host	Equipment Name: ALGIZ 10XR Brand Name: Handheld Group Model Name: ALGIZ 10XR
FCC ID	YY3-1102418
Equipment	Wireless Module
Brand Name	AirPrime
Model Name	EM9191
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: AirPrime EM9191 tested inside of Handheld Group ALGIZ 10XR.

## 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 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 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 n66: 5MHz / 10MHz / 15MHz / 20MHz / 30MHz / 40MHz 5G NR n71: 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	5G NR n2 : 23.55 dBm 5G NR n5 : 23.05 dBm 5G NR n66 : 23.70 dBm 5G NR n71 : 22.97 dBm
Antenna Type	PIFA LDS with coaxial cable Antenna
Antenna Gain	5G NR n2: 3.89 dBi 5G NR n5: 1.25 dBi 5G NR n66: 2.24 dBi 5G NR n71: 0.41 dBi
Type of Modulation	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

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

## 1.3 Modification of EUT

No modifications made to the EUT during the testing.



### 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.	<b>Sporton Site No.</b>
	TH03-HY
Test Engineer	Ivy Yeh
Temperature (°C)	22~24
Relative Humidity (%)	50~53

FCC Designation No.: TW1190

### 1.5 Applicable Standards

According to the specifications declared by 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 the test items were validated and recorded in accordance with the standards without any modification during the testing.
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		
		5	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	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
	n66	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	n2	v	v	v	v	-	-	-	-	-	-	-	v	v	v	v	v	<b>Max Power</b>					
	n5	v	v	v	v	-	-	-	-	-	-	-	v	v	v	v	v						
	n66	v	v	v	v	v	v	-	-	-	-	-	v	v	v	v	v						
	n71	v	v	v	v	-	-	-	-	-	-	-	v	v	v	v	v						
Remark	<ol style="list-style-type: none"> <li>The mark "v " means that this configuration is chosen for testing</li> <li>The mark "- " means that this bandwidth is not supported.</li> <li>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.</li> <li>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.</li> </ol>																						





### 2.2 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 n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
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



<b>5G NR n71 Channel and Frequency List</b>				
<b>BW [MHz]</b>	<b>Channel/Frequency(MHz)</b>	<b>Lowest</b>	<b>Middle</b>	<b>Highest</b>
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

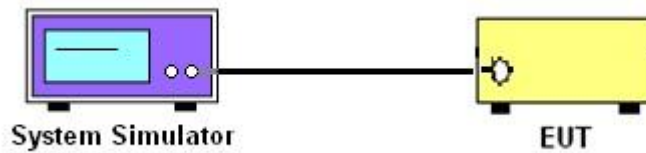
### 3 Conducted Test Items

#### 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

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 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Base Station (Measure)	Anritsu	MT8821C	6262116730	LTE	Jun. 15, 2022	Nov. 21, 2022~ Nov. 25, 2022	Jun. 14, 2023	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262134933	FR1	Jun. 13, 2022	Nov. 21, 2022~ Nov. 25, 2022	Jun. 12, 2023	Conducted (TH03-HY)



## Appendix A. Test Results of Conducted Test

### Conducted Output Power(Average power) and ERP/EIRP

NR n2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.22	23.17	22.99	27.12	0.5152
5	1	23		23.22	23.18	23.02		
5	12	6		23.16	23.23	23.12		
5	1	1	QPSK	23.18	23.21	23.02		
5	1	23		23.20	23.16	23.21		
5	12	6		23.19	23.19	23.15		
5	1	1	16-QAM	22.12	22.14	22.16	26.05	0.4027
5	1	1	64-QAM	20.72	20.60	20.51		
5	1	1	256-QAM	18.57	18.70	18.66		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.26	23.13	23.16	27.25	0.5309
10	1	50		23.28	23.12	23.17		
10	25	12		23.36	23.27	23.13		
10	1	1	QPSK	23.27	23.04	23.15		
10	1	50		23.30	23.21	23.17		
10	25	12		23.20	23.26	23.19		
10	1	1	16-QAM	22.04	22.23	22.12	26.12	0.4093
10	1	1	64-QAM	20.84	20.76	20.55		
10	1	1	256-QAM	18.73	18.73	18.60		
Limit	EIRP < 2W			Result			Pass	



NR n2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.45	23.29	23.16	27.41	0.5508
15	1	77		23.44	23.22	23.12		
15	36	18		23.48	23.21	23.13		
15	1	1	QPSK	23.52	23.24	23.15		
15	1	77		23.41	23.20	23.19		
15	36	18		23.49	23.26	23.21		
15	1	1	16-QAM	22.47	22.09	22.17	26.36	0.4325
15	1	1	64-QAM	21.07	20.75	20.79		
15	1	1	256-QAM	19.23	18.80	18.73		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.41	23.22	23.22	27.44	0.5546
20	1	104		23.37	23.20	23.10		
20	50	25		23.55	23.33	23.30		
20	1	1	QPSK	23.42	23.21	23.30		
20	1	104		23.51	23.41	23.29		
20	50	25		23.43	23.46	23.23		
20	1	1	16-QAM	22.53	22.43	22.46	26.42	0.4385
20	1	1	64-QAM	21.12	20.88	21.15		
20	1	1	256-QAM	19.30	19.24	19.06		
Limit	EIRP < 2W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.05	22.80	22.47	22.15	0.1641
5	1	23		22.84	22.71	22.38		
5	12	6		22.91	22.70	22.42		
5	1	1	QPSK	22.90	22.87	22.48		
5	1	23		22.79	22.57	22.40		
5	12	6		22.94	22.74	22.43		
5	1	1	16-QAM	22.03	21.77	21.50	21.13	0.1297
5	1	1	64-QAM	20.55	20.44	20.12		
5	1	1	256-QAM	18.65	18.42	18.12		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	22.86	22.70	22.40	21.97	0.1574
10	1	50		22.73	22.49	22.32		
10	25	12		22.85	22.77	22.40		
10	1	1	QPSK	22.83	22.67	22.37		
10	1	50		22.65	22.48	22.34		
10	25	12		22.87	22.78	22.47		
10	1	1	16-QAM	21.78	21.66	21.44	20.88	0.1225
10	1	1	64-QAM	20.35	20.31	20.03		
10	1	1	256-QAM	18.43	18.24	18.05		
Limit	ERP < 7W			Result			Pass	





NR n5 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	22.90	22.92	22.71	22.05	0.1603
15	1	77		22.64	22.63	22.42		
15	36	18		22.79	22.75	22.63		
15	1	1	QPSK	22.95	22.78	22.68		
15	1	77		22.77	22.58	22.55		
15	36	18		22.85	22.78	22.65		
15	1	1	16-QAM	22.07	21.74	21.56	21.17	0.1309
15	1	1	64-QAM	20.74	20.32	20.28		
15	1	1	256-QAM	18.70	18.39	18.27		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	22.89	22.87	22.77	22.04	0.1600
20	1	104		22.52	22.55	22.47		
20	50	25		22.69	22.76	22.71		
20	1	1	QPSK	22.94	22.91	22.84		
20	1	104		22.57	22.64	22.55		
20	50	25		22.67	22.77	22.70		
20	1	1	16-QAM	22.08	22.08	22.03	21.18	0.1312
20	1	1	64-QAM	20.51	20.74	20.59		
20	1	1	256-QAM	18.61	18.71	18.66		
Limit	ERP < 7W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.37	23.20	23.24	25.61	0.3639
5	1	23		23.25	23.20	23.23		
5	12	6		23.26	23.24	23.33		
5	1	1	QPSK	23.17	23.18	23.20		
5	1	23		23.13	23.15	23.27		
5	12	6		23.30	23.23	23.25		
5	1	1	16-QAM	22.30	22.13	22.16	24.54	0.2844
5	1	1	64-QAM	20.79	20.61	20.80		
5	1	1	256-QAM	18.97	18.86	18.78		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.35	23.27	23.35	25.69	0.3707
10	1	50		23.37	23.19	23.22		
10	25	12		23.37	23.29	23.31		
10	1	1	QPSK	23.45	23.15	23.25		
10	1	50		23.22	23.15	23.36		
10	25	12		23.37	23.30	23.36		
10	1	1	16-QAM	22.36	22.24	22.27	24.60	0.2884
10	1	1	64-QAM	20.71	20.61	20.79		
10	1	1	256-QAM	18.83	18.85	18.80		
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.56	23.41	23.10	25.81	0.3811
15	1	77		23.57	23.17	23.21		
15	36	18		23.43	23.27	23.13		
15	1	1	QPSK	23.41	23.31	23.13		
15	1	77		23.41	23.20	23.16		
15	36	18		23.44	23.21	23.22		
15	1	1	16-QAM	22.40	22.14	21.99	24.64	0.2911
15	1	1	64-QAM	20.86	20.73	20.76		
15	1	1	256-QAM	19.05	18.84	18.62		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.37	23.38	23.15	25.72	0.3733
20	1	104		23.37	23.19	23.25		
20	50	25		23.48	23.31	23.22		
20	1	1	QPSK	23.37	23.33	23.20		
20	1	104		23.20	23.19	23.10		
20	50	25		23.44	23.30	23.28		
20	1	1	16-QAM	22.21	22.30	22.07	24.54	0.2844
20	1	1	64-QAM	20.85	20.78	20.79		
20	1	1	256-QAM	18.94	18.83	18.73		
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.58	23.64	23.62	25.88	0.3873
30	1	158		23.42	23.58	23.60		
30	80	40		23.53	23.59	23.40		
30	1	1	QPSK	23.60	23.60	23.29		
30	1	158		23.44	23.54	23.55		
30	80	40		23.47	23.61	23.49		
30	1	1	16-QAM	22.49	22.66	22.49	24.90	0.3090
30	1	1	64-QAM	21.15	21.21	20.91		
30	1	1	256-QAM	19.11	19.23	18.90		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.60	23.65	23.59	25.94	0.3926
40	1	214		23.45	23.48	23.66		
40	108	54		23.67	23.59	23.65		
40	1	1	QPSK	23.55	23.57	23.64		
40	1	214		23.31	23.44	23.70		
40	108	54		23.62	23.48	23.49		
40	1	1	16-QAM	22.44	23.60	22.45	25.84	0.3837
40	1	1	64-QAM	21.04	21.20	21.03		
40	1	1	256-QAM	19.26	19.25	19.01		
Limit	EIRP < 1W			Result			Pass	



NR n71 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	22.71	22.71	22.54	21.08	0.1282
5	1	23		22.70	22.42	22.27		
5	12	6		22.70	22.66	22.45		
5	1	1	QPSK	22.72	22.70	22.50		
5	1	23		22.68	22.41	22.33		
5	12	6		22.82	22.61	22.44		
5	1	1	16-QAM	21.90	21.60	21.52	20.16	0.1038
5	1	1	64-QAM	20.60	20.19	20.26		
5	1	1	256-QAM	18.71	18.38	18.24		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	22.69	22.69	22.41	20.98	0.1253
10	1	50		22.63	22.50	22.25		
10	25	12		22.68	22.55	22.51		
10	1	1	QPSK	22.72	22.52	22.45		
10	1	50		22.62	22.41	22.14		
10	25	12		22.68	22.57	22.43		
10	1	1	16-QAM	21.77	21.60	21.60	20.03	0.1007
10	1	1	64-QAM	20.50	20.31	20.17		
10	1	1	256-QAM	18.47	18.25	18.18		
Limit	ERP < 3W			Result			Pass	



NR n71 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	22.72	22.70	22.48	21.01	0.1262
15	1	77		22.60	22.47	22.43		
15	36	18		22.67	22.64	22.57		
15	1	1	QPSK	22.68	22.75	22.41		
15	1	77		22.60	22.55	22.30		
15	36	18		22.71	22.60	22.44		
15	1	1	16-QAM	22.00	22.00	21.56	20.26	0.1062
15	1	1	64-QAM	20.72	20.57	20.22		
15	1	1	256-QAM	18.67	18.60	18.36		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	22.72	22.69	22.64	21.00	0.1259
20	1	104		22.43	22.44	22.27		
20	50	25		22.70	22.64	22.56		
20	1	1	QPSK	22.69	22.64	22.67		
20	1	104		22.57	22.51	22.20		
20	50	25		22.74	22.66	22.45		
20	1	1	16-QAM	22.97	21.76	21.66	21.23	0.1327
20	1	1	64-QAM	20.63	20.43	20.40		
20	1	1	256-QAM	18.54	18.45	18.36		
Limit	ERP < 3W			Result			Pass	

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