



TEST REPORT

No. I23Z60839-EMC02

for

TCL Communication Ltd.

GSM/UMTS/LTE/NR Mobile phone

Model Name: T609L

FCC ID: 2ACCJH168

with

Hardware Version: 04

Software Version: WES0

Issued Date: 2023-05-29

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I23Z60839-EMC02	Rev.0	1st edition	2023-05-29

Note: the latest revision of the test report supersedes all previous version.



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1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (ISED#: 24849). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Location : CTTL(BDA)

Address: No.18A, Kangding Street, Beijing Economic-Technology
Development Area, Beijing, P. R. China 100176

1.3. Testing Environment

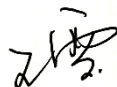
Normal Temperature: 15-35°C
Relative Humidity: 20-75%

1.4. Project data

Testing Start Date: 2023-05-11
Testing End Date: 2023-05-29


1.5. Signature

2.



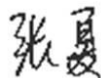
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(Approved this test report)



3. Client Information

3.1. Applicant Information

Company Name: TCL Communication Ltd.
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3.2. Manufacturer Information

Company Name: TCL Communication Ltd.
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4. Equipment Under Test (EUT) and Ancillary Equipment (AE)

4.1. About EUT

Description	GSM/UMTS/LTE/NR Mobile phone
Model Name	T609L
FCC ID	2ACCJH168
Output power	20.18dBm maximum ERP measured for SA n12

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL.

4.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version
UT23a	016447000002126	04	WES0

*EUT ID: is used to identify the test sample in the lab internally.

4.3. Internal Identification of AE

AE ID*	Description	Model	Manufacturer	Note
AE1	Battery	TLp048D7	VEKEN	5000mAh

*AE ID: is used to identify the test sample in the lab internally.

Note: The test samples listed above were selected and prepared by the applicant.

4.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	UT23a + AE1	/

5. Reference Documents

5.1. Documents supplied by applicant

EUT parameters are supplied by the customer, which are the bases of testing. CAICT is not responsible for the accuracy of customer supplied technical information that may affect the test results (for example, antenna gain and loss of customer supplied cable).

5.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-21 Edition
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-21 Edition
ANSI/TIA-603-E	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	2016
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB 971168 D01	MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS	v03r01

6. Summary Of Test Result

The model T609L is a variant model based on T609DL, according to the declaration of changes, the following test items and test modes were performed:

5G NR n5

Items	Test Name	Clause in FCC rules	Verdict
1	E.I.R.P	22.913	P
2	Emission Limit	22.917	P

5G NR n12

Items	Test Name	Clause in FCC rules	Verdict
1	E.I.R.P	27.50	P
2	Emission Limit	27.53	P

5G NR n41

Items	Test Name	Clause in FCC rules	Verdict
2	Emission Limit	27.53	P

5G NR n48

Items	Test Name	Clause in FCC rules	Verdict
1	E.I.R.P	96.41	P
2	Emission Limit	96.41	NA

For GSM 850 and 1900, the test result of initial model could be found in report B22N02534-EMC-GSM; for WCDMA Band II/IV/V, the test result could be found in report B22N02534-EMC-UMTS; for LTE Band 2/4/5/7/12/13/25/26/41/48/66/71, the test result could be found in report B22N02534-EMC-LTE; for NR band n2/n25/n66/n41/n71/n77, the test result could be found in report B22N02534-EMC-NR. According to the declaration of changes, the frequencies above do not require further testing or verification, therefore relevant tests are exempted in this radiation report. Only the worst-case emissions are reported.

Terms used in Verdict column

P	Pass. The EUT complies with the essential requirements in the standard.
NP	Not Performed. The test was not performed by CTTL.
NA	Not Applicable. The test was not applicable.
BR	Re-use test data from basic model report.
F	Fail. The EUT does not comply with the essential requirements in the standard.

All the test results are based on normal power.

7. Test Facilities Utilized

Description	Type	Series Number	Manufacture	Cal Due Date	Calibration Interval
Test Receiver	FSV40	101047	R&S	2023-06-09	1 Year
EMI Antenna	VULB9163	9163-482	Schwarzbeck	2023-11-28	1 Year
EMI Antenna	3115	00167252	ETS-Lindgren	2024-01-28	1 Year
EMI Antenna	LB-180400-25-C-KF	J211060826	A-INFO	2024-03-02	1 Year
Substitution Antenna	3117	00119024	ETS-Lindgren	2023-06-07	1 Year
Substitution Antenna	3116	2663	ETS-Lindgren	2023-11-22	1 Year
Signal Generator	N5183A	MY49060052	Agilent	2023-07-19	1 Year
Universal Radio Communication Tester	CMW500	143008	R&S	2024-01-03	1 Year

8. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Location: CTTL(BDA)

Semi-anechoic chamber 4 with absorbers

Test item	Frequency ranges	Measurement uncertainty
Radiated Emission	30MHz-1GHz	5.76dB(k=2)
	1GHz-18GHz	4.69dB(k=2)
	18GHz-40GHz	3.19dB(k=2)

ANNEX A: Measurement Results

A.1 Output Power

A.1.1 Summary

During the process of testing, the EUT was controlled via communication tester to ensure max power transmission and proper modulation.

In all cases, output power is within the specified limits.

A.1.3 Radiated

A.1.3.1 Description

This is the test for the maximum radiated power from the EUT.

NR n5: Part 22.913(a) specifies "The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts".Part 24.232(c) specifies "Mobile and portable stations are limited to 2 watts EIRP".

NR n12: Part 27.50(c)(10) specifies "Portable stations(hand-held devices) in the 600 MHz uplink band and the 698–746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP".

NR n48: Part 96.41(b) specifies the maximum effective isotropic radiated power(EIRP) of any End User Device must comply with the limits of 23dBm/10MHz.

A.1.3.2 Method of Measurement

According to KDB 412172 D01 and ANSI C63.26 the relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{ERP or EIRP} = P_T + G_T - L_C$$

where;

- **ERP or EIRP** = effective radiated power or equivalent isotropically radiated power(expressed in the same units as P_T).
- P_T = transmitter output power, in this report the unit express as dBm;
- G_T = gain of the transmitting antenna, in dBd(ERP) or dBi(EIRP);
- L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

Alternatively, the EIRP can be determined from Equation above and then converted to ERP based on the maximum antenna gain relationship by applying the following equation:

$$\text{ERP} = \text{EIRP} - 2.15\text{dB}$$

Note: The antenna gain information was provided by the client. The laboratory is not responsible for identifying its authenticity during the test.

A.1.3.3 Limits and Measurement Results

NR n5 – ERP

Limit $\leq 38.45\text{dBm}(7\text{W})$

BAND	BW(MHz)	SCS(kHz)	FREQ(MHz)	OFDM	MODULATION	RB LOCATION	POWER (dBm)	E.R.P(dBm) (Gt-Lc= -1.94)
n5	5	15	826.5	DFT	pi/2 BPSK	Inner_Full	23.59	19.50
n5	5	15	826.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.96	18.87
n5	5	15	826.5	DFT	pi/2 BPSK	Edge_1RB_Right	23.08	18.99
n5	5	15	826.5	DFT	pi/2 BPSK	Outer_Full	23.16	19.07
n5	5	15	826.5	DFT	QPSK	Inner_Full	23.64	19.55
n5	5	15	826.5	DFT	QPSK	Edge_1RB_Left	22.42	18.33
n5	5	15	826.5	DFT	QPSK	Edge_1RB_Right	22.57	18.48
n5	5	15	826.5	DFT	QPSK	Outer_Full	22.58	18.49
n5	5	15	826.5	DFT	16QAM	Inner_Full	22.67	18.58
n5	5	15	826.5	DFT	16QAM	Edge_1RB_Left	21.43	17.34
n5	5	15	826.5	DFT	16QAM	Edge_1RB_Right	21.60	17.51
n5	5	15	826.5	DFT	16QAM	Outer_Full	21.68	17.59
n5	5	15	826.5	DFT	64QAM	Inner_Full	21.19	17.10
n5	5	15	826.5	DFT	64QAM	Edge_1RB_Left	20.84	16.75
n5	5	15	826.5	DFT	64QAM	Edge_1RB_Right	20.97	16.88
n5	5	15	826.5	DFT	64QAM	Outer_Full	21.10	17.01
n5	5	15	826.5	DFT	256QAM	Inner_Full	19.16	15.07
n5	5	15	826.5	DFT	256QAM	Edge_1RB_Left	19.32	15.23
n5	5	15	826.5	DFT	256QAM	Edge_1RB_Right	19.44	15.35
n5	5	15	826.5	DFT	256QAM	Outer_Full	19.25	15.16
n5	5	15	826.5	CP	QPSK	Inner_Full	22.09	18.00
n5	5	15	826.5	CP	QPSK	Edge_1RB_Left	20.53	16.44
n5	5	15	826.5	CP	QPSK	Edge_1RB_Right	20.56	16.47
n5	5	15	826.5	CP	QPSK	Outer_Full	20.60	16.51
n5	5	15	826.5	CP	16QAM	Inner_Full	21.58	17.49
n5	5	15	826.5	CP	16QAM	Edge_1RB_Left	20.60	16.51
n5	5	15	826.5	CP	16QAM	Edge_1RB_Right	20.68	16.59
n5	5	15	826.5	CP	16QAM	Outer_Full	20.55	16.46
n5	5	15	826.5	CP	64QAM	Inner_Full	20.05	15.96
n5	5	15	826.5	CP	64QAM	Edge_1RB_Left	20.14	16.05
n5	5	15	826.5	CP	64QAM	Edge_1RB_Right	20.15	16.06
n5	5	15	826.5	CP	64QAM	Outer_Full	20.12	16.03
n5	5	15	826.5	CP	256QAM	Inner_Full	17.17	13.08
n5	5	15	826.5	CP	256QAM	Edge_1RB_Left	17.35	13.26
n5	5	15	826.5	CP	256QAM	Edge_1RB_Right	17.45	13.36
n5	5	15	826.5	CP	256QAM	Outer_Full	17.18	13.09
n5	5	15	836.5	DFT	pi/2 BPSK	Inner_Full	23.62	19.53

n5	5	15	836.5	DFT	pi/2 BPSK	Edge_1RB_Left	23.17	19.08
n5	5	15	836.5	DFT	pi/2 BPSK	Edge_1RB_Right	23.12	19.03
n5	5	15	836.5	DFT	pi/2 BPSK	Outer_Full	23.15	19.06
n5	5	15	836.5	DFT	QPSK	Inner_Full	23.65	19.56
n5	5	15	836.5	DFT	QPSK	Edge_1RB_Left	22.52	18.43
n5	5	15	836.5	DFT	QPSK	Edge_1RB_Right	22.54	18.45
n5	5	15	836.5	DFT	QPSK	Outer_Full	22.63	18.54
n5	5	15	836.5	DFT	16QAM	Inner_Full	22.77	18.68
n5	5	15	836.5	DFT	16QAM	Edge_1RB_Left	21.62	17.53
n5	5	15	836.5	DFT	16QAM	Edge_1RB_Right	21.59	17.50
n5	5	15	836.5	DFT	16QAM	Outer_Full	21.63	17.54
n5	5	15	836.5	DFT	64QAM	Inner_Full	21.19	17.10
n5	5	15	836.5	DFT	64QAM	Edge_1RB_Left	21.05	16.96
n5	5	15	836.5	DFT	64QAM	Edge_1RB_Right	20.93	16.84
n5	5	15	836.5	DFT	64QAM	Outer_Full	21.17	17.08
n5	5	15	836.5	DFT	256QAM	Inner_Full	19.18	15.09
n5	5	15	836.5	DFT	256QAM	Edge_1RB_Left	19.44	15.35
n5	5	15	836.5	DFT	256QAM	Edge_1RB_Right	19.38	15.29
n5	5	15	836.5	DFT	256QAM	Outer_Full	19.25	15.16
n5	5	15	836.5	CP	QPSK	Inner_Full	22.07	17.98
n5	5	15	836.5	CP	QPSK	Edge_1RB_Left	20.61	16.52
n5	5	15	836.5	CP	QPSK	Edge_1RB_Right	20.53	16.44
n5	5	15	836.5	CP	QPSK	Outer_Full	20.64	16.55
n5	5	15	836.5	CP	16QAM	Inner_Full	21.62	17.53
n5	5	15	836.5	CP	16QAM	Edge_1RB_Left	20.74	16.65
n5	5	15	836.5	CP	16QAM	Edge_1RB_Right	20.67	16.58
n5	5	15	836.5	CP	16QAM	Outer_Full	20.60	16.51
n5	5	15	836.5	CP	64QAM	Inner_Full	20.12	16.03
n5	5	15	836.5	CP	64QAM	Edge_1RB_Left	20.28	16.19
n5	5	15	836.5	CP	64QAM	Edge_1RB_Right	20.16	16.07
n5	5	15	836.5	CP	64QAM	Outer_Full	20.10	16.01
n5	5	15	836.5	CP	256QAM	Inner_Full	17.18	13.09
n5	5	15	836.5	CP	256QAM	Edge_1RB_Left	17.49	13.40
n5	5	15	836.5	CP	256QAM	Edge_1RB_Right	17.43	13.34
n5	5	15	836.5	CP	256QAM	Outer_Full	17.22	13.13
n5	5	15	846.5	DFT	pi/2 BPSK	Inner_Full	23.57	19.48
n5	5	15	846.5	DFT	pi/2 BPSK	Edge_1RB_Left	23.06	18.97
n5	5	15	846.5	DFT	pi/2 BPSK	Edge_1RB_Right	23.05	18.96
n5	5	15	846.5	DFT	pi/2 BPSK	Outer_Full	23.17	19.08
n5	5	15	846.5	DFT	QPSK	Inner_Full	23.67	19.58
n5	5	15	846.5	DFT	QPSK	Edge_1RB_Left	22.54	18.45
n5	5	15	846.5	DFT	QPSK	Edge_1RB_Right	22.46	18.37

n5	5	15	846.5	DFT	QPSK	Outer_Full	22.65	18.56
n5	5	15	846.5	DFT	16QAM	Inner_Full	22.71	18.62
n5	5	15	846.5	DFT	16QAM	Edge_1RB_Left	21.55	17.46
n5	5	15	846.5	DFT	16QAM	Edge_1RB_Right	21.61	17.52
n5	5	15	846.5	DFT	16QAM	Outer_Full	21.65	17.56
n5	5	15	846.5	DFT	64QAM	Inner_Full	21.19	17.10
n5	5	15	846.5	DFT	64QAM	Edge_1RB_Left	20.89	16.80
n5	5	15	846.5	DFT	64QAM	Edge_1RB_Right	20.88	16.79
n5	5	15	846.5	DFT	64QAM	Outer_Full	21.16	17.07
n5	5	15	846.5	DFT	256QAM	Inner_Full	19.17	15.08
n5	5	15	846.5	DFT	256QAM	Edge_1RB_Left	19.41	15.32
n5	5	15	846.5	DFT	256QAM	Edge_1RB_Right	18.84	14.75
n5	5	15	846.5	DFT	256QAM	Outer_Full	19.27	15.18
n5	5	15	846.5	CP	QPSK	Inner_Full	22.05	17.96
n5	5	15	846.5	CP	QPSK	Edge_1RB_Left	20.72	16.63
n5	5	15	846.5	CP	QPSK	Edge_1RB_Right	20.71	16.62
n5	5	15	846.5	CP	QPSK	Outer_Full	20.64	16.55
n5	5	15	846.5	CP	16QAM	Inner_Full	21.65	17.56
n5	5	15	846.5	CP	16QAM	Edge_1RB_Left	20.70	16.61
n5	5	15	846.5	CP	16QAM	Edge_1RB_Right	20.62	16.53
n5	5	15	846.5	CP	16QAM	Outer_Full	20.60	16.51
n5	5	15	846.5	CP	64QAM	Inner_Full	20.09	16.00
n5	5	15	846.5	CP	64QAM	Edge_1RB_Left	20.24	16.15
n5	5	15	846.5	CP	64QAM	Edge_1RB_Right	20.21	16.12
n5	5	15	846.5	CP	64QAM	Outer_Full	20.16	16.07
n5	5	15	846.5	CP	256QAM	Inner_Full	17.28	13.19
n5	5	15	846.5	CP	256QAM	Edge_1RB_Left	17.45	13.36
n5	5	15	846.5	CP	256QAM	Edge_1RB_Right	17.38	13.29
n5	5	15	846.5	CP	256QAM	Outer_Full	17.23	13.14
n5	10	15	829	DFT	pi/2 BPSK	Inner_Full	23.45	19.36
n5	10	15	829	DFT	pi/2 BPSK	Edge_1RB_Left	22.75	18.66
n5	10	15	829	DFT	pi/2 BPSK	Edge_1RB_Right	22.93	18.84
n5	10	15	829	DFT	pi/2 BPSK	Outer_Full	22.98	18.89
n5	10	15	829	DFT	QPSK	Inner_Full	23.48	19.39
n5	10	15	829	DFT	QPSK	Edge_1RB_Left	22.23	18.14
n5	10	15	829	DFT	QPSK	Edge_1RB_Right	22.35	18.26
n5	10	15	829	DFT	QPSK	Outer_Full	22.52	18.43
n5	10	15	829	DFT	16QAM	Inner_Full	22.47	18.38
n5	10	15	829	DFT	16QAM	Edge_1RB_Left	21.29	17.20
n5	10	15	829	DFT	16QAM	Edge_1RB_Right	21.46	17.37
n5	10	15	829	DFT	16QAM	Outer_Full	21.44	17.35
n5	10	15	829	DFT	64QAM	Inner_Full	21.04	16.95

n5	10	15	829	DFT	64QAM	Edge_1RB_Left	20.58	16.49
n5	10	15	829	DFT	64QAM	Edge_1RB_Right	20.82	16.73
n5	10	15	829	DFT	64QAM	Outer_Full	20.93	16.84
n5	10	15	829	DFT	256QAM	Inner_Full	19.04	14.95
n5	10	15	829	DFT	256QAM	Edge_1RB_Left	19.11	15.02
n5	10	15	829	DFT	256QAM	Edge_1RB_Right	19.25	15.16
n5	10	15	829	DFT	256QAM	Outer_Full	19.08	14.99
n5	10	15	829	CP	QPSK	Inner_Full	21.93	17.84
n5	10	15	829	CP	QPSK	Edge_1RB_Left	20.30	16.21
n5	10	15	829	CP	QPSK	Edge_1RB_Right	20.48	16.39
n5	10	15	829	CP	QPSK	Outer_Full	20.45	16.36
n5	10	15	829	CP	16QAM	Inner_Full	21.46	17.37
n5	10	15	829	CP	16QAM	Edge_1RB_Left	20.37	16.28
n5	10	15	829	CP	16QAM	Edge_1RB_Right	20.58	16.49
n5	10	15	829	CP	16QAM	Outer_Full	20.54	16.45
n5	10	15	829	CP	64QAM	Inner_Full	19.96	15.87
n5	10	15	829	CP	64QAM	Edge_1RB_Left	19.97	15.88
n5	10	15	829	CP	64QAM	Edge_1RB_Right	20.12	16.03
n5	10	15	829	CP	64QAM	Outer_Full	19.99	15.90
n5	10	15	829	CP	256QAM	Inner_Full	17.13	13.04
n5	10	15	829	CP	256QAM	Edge_1RB_Left	17.13	13.04
n5	10	15	829	CP	256QAM	Edge_1RB_Right	17.36	13.27
n5	10	15	829	CP	256QAM	Outer_Full	17.08	12.99
n5	10	15	836.5	DFT	pi/2 BPSK	Inner_Full	23.45	19.36
n5	10	15	836.5	DFT	pi/2 BPSK	Edge_1RB_Left	23.02	18.93
n5	10	15	836.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.90	18.81
n5	10	15	836.5	DFT	pi/2 BPSK	Outer_Full	22.92	18.83
n5	10	15	836.5	DFT	QPSK	Inner_Full	23.50	19.41
n5	10	15	836.5	DFT	QPSK	Edge_1RB_Left	22.42	18.33
n5	10	15	836.5	DFT	QPSK	Edge_1RB_Right	22.30	18.21
n5	10	15	836.5	DFT	QPSK	Outer_Full	22.44	18.35
n5	10	15	836.5	DFT	16QAM	Inner_Full	22.49	18.40
n5	10	15	836.5	DFT	16QAM	Edge_1RB_Left	21.51	17.42
n5	10	15	836.5	DFT	16QAM	Edge_1RB_Right	21.43	17.34
n5	10	15	836.5	DFT	16QAM	Outer_Full	21.46	17.37
n5	10	15	836.5	DFT	64QAM	Inner_Full	21.00	16.91
n5	10	15	836.5	DFT	64QAM	Edge_1RB_Left	20.86	16.77
n5	10	15	836.5	DFT	64QAM	Edge_1RB_Right	20.73	16.64
n5	10	15	836.5	DFT	64QAM	Outer_Full	20.93	16.84
n5	10	15	836.5	DFT	256QAM	Inner_Full	19.06	14.97
n5	10	15	836.5	DFT	256QAM	Edge_1RB_Left	19.35	15.26
n5	10	15	836.5	DFT	256QAM	Edge_1RB_Right	19.23	15.14

n5	10	15	836.5	DFT	256QAM	Outer_Full	19.02	14.93
n5	10	15	836.5	CP	QPSK	Inner_Full	21.94	17.85
n5	10	15	836.5	CP	QPSK	Edge_1RB_Left	20.49	16.40
n5	10	15	836.5	CP	QPSK	Edge_1RB_Right	20.50	16.41
n5	10	15	836.5	CP	QPSK	Outer_Full	20.40	16.31
n5	10	15	836.5	CP	16QAM	Inner_Full	21.45	17.36
n5	10	15	836.5	CP	16QAM	Edge_1RB_Left	20.61	16.52
n5	10	15	836.5	CP	16QAM	Edge_1RB_Right	20.55	16.46
n5	10	15	836.5	CP	16QAM	Outer_Full	20.46	16.37
n5	10	15	836.5	CP	64QAM	Inner_Full	19.95	15.86
n5	10	15	836.5	CP	64QAM	Edge_1RB_Left	20.11	16.02
n5	10	15	836.5	CP	64QAM	Edge_1RB_Right	20.08	15.99
n5	10	15	836.5	CP	64QAM	Outer_Full	19.92	15.83
n5	10	15	836.5	CP	256QAM	Inner_Full	17.12	13.03
n5	10	15	836.5	CP	256QAM	Edge_1RB_Left	17.35	13.26
n5	10	15	836.5	CP	256QAM	Edge_1RB_Right	17.31	13.22
n5	10	15	836.5	CP	256QAM	Outer_Full	16.91	12.82
n5	10	15	844	DFT	pi/2 BPSK	Inner_Full	23.36	19.27
n5	10	15	844	DFT	pi/2 BPSK	Edge_1RB_Left	22.88	18.79
n5	10	15	844	DFT	pi/2 BPSK	Edge_1RB_Right	22.81	18.72
n5	10	15	844	DFT	pi/2 BPSK	Outer_Full	22.95	18.86
n5	10	15	844	DFT	QPSK	Inner_Full	23.35	19.26
n5	10	15	844	DFT	QPSK	Edge_1RB_Left	22.23	18.14
n5	10	15	844	DFT	QPSK	Edge_1RB_Right	22.24	18.15
n5	10	15	844	DFT	QPSK	Outer_Full	22.45	18.36
n5	10	15	844	DFT	16QAM	Inner_Full	22.41	18.32
n5	10	15	844	DFT	16QAM	Edge_1RB_Left	21.31	17.22
n5	10	15	844	DFT	16QAM	Edge_1RB_Right	21.35	17.26
n5	10	15	844	DFT	16QAM	Outer_Full	21.39	17.30
n5	10	15	844	DFT	64QAM	Inner_Full	20.91	16.82
n5	10	15	844	DFT	64QAM	Edge_1RB_Left	20.70	16.61
n5	10	15	844	DFT	64QAM	Edge_1RB_Right	20.59	16.50
n5	10	15	844	DFT	64QAM	Outer_Full	20.90	16.81
n5	10	15	844	DFT	256QAM	Inner_Full	18.98	14.89
n5	10	15	844	DFT	256QAM	Edge_1RB_Left	19.16	15.07
n5	10	15	844	DFT	256QAM	Edge_1RB_Right	19.18	15.09
n5	10	15	844	DFT	256QAM	Outer_Full	19.06	14.97
n5	10	15	844	CP	QPSK	Inner_Full	21.86	17.77
n5	10	15	844	CP	QPSK	Edge_1RB_Left	20.43	16.34
n5	10	15	844	CP	QPSK	Edge_1RB_Right	20.46	16.37
n5	10	15	844	CP	QPSK	Outer_Full	20.38	16.29
n5	10	15	844	CP	16QAM	Inner_Full	21.39	17.30

n5	10	15	844	CP	16QAM	Edge_1RB_Left	20.49	16.40
n5	10	15	844	CP	16QAM	Edge_1RB_Right	19.96	15.87
n5	10	15	844	CP	16QAM	Outer_Full	20.47	16.38
n5	10	15	844	CP	64QAM	Inner_Full	19.89	15.80
n5	10	15	844	CP	64QAM	Edge_1RB_Left	19.99	15.90
n5	10	15	844	CP	64QAM	Edge_1RB_Right	20.12	16.03
n5	10	15	844	CP	64QAM	Outer_Full	19.83	15.74
n5	10	15	844	CP	256QAM	Inner_Full	17.05	12.96
n5	10	15	844	CP	256QAM	Edge_1RB_Left	17.18	13.09
n5	10	15	844	CP	256QAM	Edge_1RB_Right	17.26	13.17
n5	10	15	844	CP	256QAM	Outer_Full	16.91	12.82
n5	15	15	831.5	DFT	pi/2 BPSK	Inner_Full	23.60	19.51
n5	15	15	831.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.88	18.79
n5	15	15	831.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.91	18.82
n5	15	15	831.5	DFT	pi/2 BPSK	Outer_Full	23.11	19.02
n5	15	15	831.5	DFT	QPSK	Inner_Full	23.63	19.54
n5	15	15	831.5	DFT	QPSK	Edge_1RB_Left	22.36	18.27
n5	15	15	831.5	DFT	QPSK	Edge_1RB_Right	22.46	18.37
n5	15	15	831.5	DFT	QPSK	Outer_Full	22.63	18.54
n5	15	15	831.5	DFT	16QAM	Inner_Full	22.68	18.59
n5	15	15	831.5	DFT	16QAM	Edge_1RB_Left	21.42	17.33
n5	15	15	831.5	DFT	16QAM	Edge_1RB_Right	21.53	17.44
n5	15	15	831.5	DFT	16QAM	Outer_Full	21.59	17.50
n5	15	15	831.5	DFT	64QAM	Inner_Full	21.12	17.03
n5	15	15	831.5	DFT	64QAM	Edge_1RB_Left	20.66	16.57
n5	15	15	831.5	DFT	64QAM	Edge_1RB_Right	20.83	16.74
n5	15	15	831.5	DFT	64QAM	Outer_Full	21.11	17.02
n5	15	15	831.5	DFT	256QAM	Inner_Full	19.27	15.18
n5	15	15	831.5	DFT	256QAM	Edge_1RB_Left	19.24	15.15
n5	15	15	831.5	DFT	256QAM	Edge_1RB_Right	19.31	15.22
n5	15	15	831.5	DFT	256QAM	Outer_Full	19.22	15.13
n5	15	15	831.5	CP	QPSK	Inner_Full	22.14	18.05
n5	15	15	831.5	CP	QPSK	Edge_1RB_Left	20.35	16.26
n5	15	15	831.5	CP	QPSK	Edge_1RB_Right	20.39	16.30
n5	15	15	831.5	CP	QPSK	Outer_Full	20.65	16.56
n5	15	15	831.5	CP	16QAM	Inner_Full	21.63	17.54
n5	15	15	831.5	CP	16QAM	Edge_1RB_Left	20.49	16.40
n5	15	15	831.5	CP	16QAM	Edge_1RB_Right	20.56	16.47
n5	15	15	831.5	CP	16QAM	Outer_Full	20.64	16.55
n5	15	15	831.5	CP	64QAM	Inner_Full	20.17	16.08
n5	15	15	831.5	CP	64QAM	Edge_1RB_Left	19.98	15.89
n5	15	15	831.5	CP	64QAM	Edge_1RB_Right	20.11	16.02

n5	15	15	831.5	CP	64QAM	Outer_Full	20.17	16.08
n5	15	15	831.5	CP	256QAM	Inner_Full	17.22	13.13
n5	15	15	831.5	CP	256QAM	Edge_1RB_Left	17.16	13.07
n5	15	15	831.5	CP	256QAM	Edge_1RB_Right	17.28	13.19
n5	15	15	831.5	CP	256QAM	Outer_Full	17.21	13.12
n5	15	15	836.5	DFT	pi/2 BPSK	Inner_Full	23.65	19.56
n5	15	15	836.5	DFT	pi/2 BPSK	Edge_1RB_Left	23.06	18.97
n5	15	15	836.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.99	18.90
n5	15	15	836.5	DFT	pi/2 BPSK	Outer_Full	23.10	19.01
n5	15	15	836.5	DFT	QPSK	Inner_Full	23.70	19.61
n5	15	15	836.5	DFT	QPSK	Edge_1RB_Left	22.51	18.42
n5	15	15	836.5	DFT	QPSK	Edge_1RB_Right	22.46	18.37
n5	15	15	836.5	DFT	QPSK	Outer_Full	22.64	18.55
n5	15	15	836.5	DFT	16QAM	Inner_Full	22.75	18.66
n5	15	15	836.5	DFT	16QAM	Edge_1RB_Left	21.56	17.47
n5	15	15	836.5	DFT	16QAM	Edge_1RB_Right	21.53	17.44
n5	15	15	836.5	DFT	16QAM	Outer_Full	21.62	17.53
n5	15	15	836.5	DFT	64QAM	Inner_Full	21.16	17.07
n5	15	15	836.5	DFT	64QAM	Edge_1RB_Left	20.90	16.81
n5	15	15	836.5	DFT	64QAM	Edge_1RB_Right	20.81	16.72
n5	15	15	836.5	DFT	64QAM	Outer_Full	21.13	17.04
n5	15	15	836.5	DFT	256QAM	Inner_Full	19.32	15.23
n5	15	15	836.5	DFT	256QAM	Edge_1RB_Left	18.83	14.74
n5	15	15	836.5	DFT	256QAM	Edge_1RB_Right	19.32	15.23
n5	15	15	836.5	DFT	256QAM	Outer_Full	19.24	15.15
n5	15	15	836.5	CP	QPSK	Inner_Full	22.15	18.06
n5	15	15	836.5	CP	QPSK	Edge_1RB_Left	20.60	16.51
n5	15	15	836.5	CP	QPSK	Edge_1RB_Right	20.48	16.39
n5	15	15	836.5	CP	QPSK	Outer_Full	20.62	16.53
n5	15	15	836.5	CP	16QAM	Inner_Full	21.73	17.64
n5	15	15	836.5	CP	16QAM	Edge_1RB_Left	20.65	16.56
n5	15	15	836.5	CP	16QAM	Edge_1RB_Right	20.50	16.41
n5	15	15	836.5	CP	16QAM	Outer_Full	20.61	16.52
n5	15	15	836.5	CP	64QAM	Inner_Full	20.18	16.09
n5	15	15	836.5	CP	64QAM	Edge_1RB_Left	20.21	16.12
n5	15	15	836.5	CP	64QAM	Edge_1RB_Right	20.07	15.98
n5	15	15	836.5	CP	64QAM	Outer_Full	20.12	16.03
n5	15	15	836.5	CP	256QAM	Inner_Full	17.24	13.15
n5	15	15	836.5	CP	256QAM	Edge_1RB_Left	16.80	12.71
n5	15	15	836.5	CP	256QAM	Edge_1RB_Right	17.27	13.18
n5	15	15	836.5	CP	256QAM	Outer_Full	17.12	13.03
n5	15	15	841.5	DFT	pi/2 BPSK	Inner_Full	23.61	19.52

n5	15	15	841.5	DFT	pi/2 BPSK	Edge_1RB_Left	23.07	18.98
n5	15	15	841.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.99	18.90
n5	15	15	841.5	DFT	pi/2 BPSK	Outer_Full	23.04	18.95
n5	15	15	841.5	DFT	QPSK	Inner_Full	23.62	19.53
n5	15	15	841.5	DFT	QPSK	Edge_1RB_Left	22.39	18.30
n5	15	15	841.5	DFT	QPSK	Edge_1RB_Right	22.39	18.30
n5	15	15	841.5	DFT	QPSK	Outer_Full	22.56	18.47
n5	15	15	841.5	DFT	16QAM	Inner_Full	22.66	18.57
n5	15	15	841.5	DFT	16QAM	Edge_1RB_Left	21.57	17.48
n5	15	15	841.5	DFT	16QAM	Edge_1RB_Right	21.46	17.37
n5	15	15	841.5	DFT	16QAM	Outer_Full	21.51	17.42
n5	15	15	841.5	DFT	64QAM	Inner_Full	21.03	16.94
n5	15	15	841.5	DFT	64QAM	Edge_1RB_Left	20.80	16.71
n5	15	15	841.5	DFT	64QAM	Edge_1RB_Right	20.78	16.69
n5	15	15	841.5	DFT	64QAM	Outer_Full	21.02	16.93
n5	15	15	841.5	DFT	256QAM	Inner_Full	19.24	15.15
n5	15	15	841.5	DFT	256QAM	Edge_1RB_Left	18.88	14.79
n5	15	15	841.5	DFT	256QAM	Edge_1RB_Right	19.31	15.22
n5	15	15	841.5	DFT	256QAM	Outer_Full	19.15	15.06
n5	15	15	841.5	CP	QPSK	Inner_Full	22.03	17.94
n5	15	15	841.5	CP	QPSK	Edge_1RB_Left	20.49	16.40
n5	15	15	841.5	CP	QPSK	Edge_1RB_Right	20.40	16.31
n5	15	15	841.5	CP	QPSK	Outer_Full	20.54	16.45
n5	15	15	841.5	CP	16QAM	Inner_Full	21.62	17.53
n5	15	15	841.5	CP	16QAM	Edge_1RB_Left	20.62	16.53
n5	15	15	841.5	CP	16QAM	Edge_1RB_Right	20.55	16.46
n5	15	15	841.5	CP	16QAM	Outer_Full	20.56	16.47
n5	15	15	841.5	CP	64QAM	Inner_Full	20.13	16.04
n5	15	15	841.5	CP	64QAM	Edge_1RB_Left	20.27	16.18
n5	15	15	841.5	CP	64QAM	Edge_1RB_Right	20.13	16.04
n5	15	15	841.5	CP	64QAM	Outer_Full	20.05	15.96
n5	15	15	841.5	CP	256QAM	Inner_Full	17.17	13.08
n5	15	15	841.5	CP	256QAM	Edge_1RB_Left	17.33	13.24
n5	15	15	841.5	CP	256QAM	Edge_1RB_Right	17.25	13.16
n5	15	15	841.5	CP	256QAM	Outer_Full	17.12	13.03
n5	20	15	834	DFT	pi/2 BPSK	Inner_Full	23.63	19.54
n5	20	15	834	DFT	pi/2 BPSK	Edge_1RB_Left	22.91	18.82
n5	20	15	834	DFT	pi/2 BPSK	Edge_1RB_Right	22.91	18.82
n5	20	15	834	DFT	pi/2 BPSK	Outer_Full	23.10	19.01
n5	20	15	834	DFT	QPSK	Inner_Full	23.60	19.51
n5	20	15	834	DFT	QPSK	Edge_1RB_Left	22.28	18.19
n5	20	15	834	DFT	QPSK	Edge_1RB_Right	22.30	18.21

n5	20	15	834	DFT	QPSK	Outer_Full	22.59	18.50
n5	20	15	834	DFT	16QAM	Inner_Full	22.59	18.50
n5	20	15	834	DFT	16QAM	Edge_1RB_Left	21.37	17.28
n5	20	15	834	DFT	16QAM	Edge_1RB_Right	21.35	17.26
n5	20	15	834	DFT	16QAM	Outer_Full	21.52	17.43
n5	20	15	834	DFT	64QAM	Inner_Full	21.16	17.07
n5	20	15	834	DFT	64QAM	Edge_1RB_Left	20.67	16.58
n5	20	15	834	DFT	64QAM	Edge_1RB_Right	20.94	16.85
n5	20	15	834	DFT	64QAM	Outer_Full	21.08	16.99
n5	20	15	834	DFT	256QAM	Inner_Full	19.16	15.07
n5	20	15	834	DFT	256QAM	Edge_1RB_Left	19.14	15.05
n5	20	15	834	DFT	256QAM	Edge_1RB_Right	18.66	14.57
n5	20	15	834	DFT	256QAM	Outer_Full	19.18	15.09
n5	20	15	834	CP	QPSK	Inner_Full	22.05	17.96
n5	20	15	834	CP	QPSK	Edge_1RB_Left	20.39	16.30
n5	20	15	834	CP	QPSK	Edge_1RB_Right	20.28	16.19
n5	20	15	834	CP	QPSK	Outer_Full	20.53	16.44
n5	20	15	834	CP	16QAM	Inner_Full	21.57	17.48
n5	20	15	834	CP	16QAM	Edge_1RB_Left	20.45	16.36
n5	20	15	834	CP	16QAM	Edge_1RB_Right	20.44	16.35
n5	20	15	834	CP	16QAM	Outer_Full	20.56	16.47
n5	20	15	834	CP	64QAM	Inner_Full	20.07	15.98
n5	20	15	834	CP	64QAM	Edge_1RB_Left	19.88	15.79
n5	20	15	834	CP	64QAM	Edge_1RB_Right	19.96	15.87
n5	20	15	834	CP	64QAM	Outer_Full	20.02	15.93
n5	20	15	834	CP	256QAM	Inner_Full	17.14	13.05
n5	20	15	834	CP	256QAM	Edge_1RB_Left	17.15	13.06
n5	20	15	834	CP	256QAM	Edge_1RB_Right	17.14	13.05
n5	20	15	834	CP	256QAM	Outer_Full	17.09	13.00
n5	20	15	836.5	DFT	pi/2 BPSK	Inner_Full	23.57	19.48
n5	20	15	836.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.88	18.79
n5	20	15	836.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.89	18.80
n5	20	15	836.5	DFT	pi/2 BPSK	Outer_Full	23.00	18.91
n5	20	15	836.5	DFT	QPSK	Inner_Full	23.64	19.55
n5	20	15	836.5	DFT	QPSK	Edge_1RB_Left	22.32	18.23
n5	20	15	836.5	DFT	QPSK	Edge_1RB_Right	22.34	18.25
n5	20	15	836.5	DFT	QPSK	Outer_Full	22.53	18.44
n5	20	15	836.5	DFT	16QAM	Inner_Full	22.62	18.53
n5	20	15	836.5	DFT	16QAM	Edge_1RB_Left	21.29	17.20
n5	20	15	836.5	DFT	16QAM	Edge_1RB_Right	21.31	17.22
n5	20	15	836.5	DFT	16QAM	Outer_Full	21.45	17.36
n5	20	15	836.5	DFT	64QAM	Inner_Full	21.00	16.91

n5	20	15	836.5	DFT	64QAM	Edge_1RB_Left	21.06	16.97
n5	20	15	836.5	DFT	64QAM	Edge_1RB_Right	21.19	17.10
n5	20	15	836.5	DFT	64QAM	Outer_Full	20.94	16.85
n5	20	15	836.5	DFT	256QAM	Inner_Full	19.14	15.05
n5	20	15	836.5	DFT	256QAM	Edge_1RB_Left	19.13	15.04
n5	20	15	836.5	DFT	256QAM	Edge_1RB_Right	19.16	15.07
n5	20	15	836.5	DFT	256QAM	Outer_Full	19.10	15.01
n5	20	15	836.5	CP	QPSK	Inner_Full	22.06	17.97
n5	20	15	836.5	CP	QPSK	Edge_1RB_Left	20.50	16.41
n5	20	15	836.5	CP	QPSK	Edge_1RB_Right	20.56	16.47
n5	20	15	836.5	CP	QPSK	Outer_Full	20.44	16.35
n5	20	15	836.5	CP	16QAM	Inner_Full	21.62	17.53
n5	20	15	836.5	CP	16QAM	Edge_1RB_Left	20.29	16.20
n5	20	15	836.5	CP	16QAM	Edge_1RB_Right	20.37	16.28
n5	20	15	836.5	CP	16QAM	Outer_Full	20.49	16.40
n5	20	15	836.5	CP	64QAM	Inner_Full	20.09	16.00
n5	20	15	836.5	CP	64QAM	Edge_1RB_Left	19.50	15.41
n5	20	15	836.5	CP	64QAM	Edge_1RB_Right	19.49	15.40
n5	20	15	836.5	CP	64QAM	Outer_Full	19.94	15.85
n5	20	15	836.5	CP	256QAM	Inner_Full	17.18	13.09
n5	20	15	836.5	CP	256QAM	Edge_1RB_Left	17.11	13.02
n5	20	15	836.5	CP	256QAM	Edge_1RB_Right	17.14	13.05
n5	20	15	836.5	CP	256QAM	Outer_Full	17.03	12.94
n5	20	15	839	DFT	pi/2 BPSK	Inner_Full	23.62	19.53
n5	20	15	839	DFT	pi/2 BPSK	Edge_1RB_Left	22.93	18.84
n5	20	15	839	DFT	pi/2 BPSK	Edge_1RB_Right	22.84	18.75
n5	20	15	839	DFT	pi/2 BPSK	Outer_Full	23.01	18.92
n5	20	15	839	DFT	QPSK	Inner_Full	23.63	19.54
n5	20	15	839	DFT	QPSK	Edge_1RB_Left	22.45	18.36
n5	20	15	839	DFT	QPSK	Edge_1RB_Right	22.32	18.23
n5	20	15	839	DFT	QPSK	Outer_Full	22.54	18.45
n5	20	15	839	DFT	16QAM	Inner_Full	22.62	18.53
n5	20	15	839	DFT	16QAM	Edge_1RB_Left	21.50	17.41
n5	20	15	839	DFT	16QAM	Edge_1RB_Right	21.48	17.39
n5	20	15	839	DFT	16QAM	Outer_Full	21.47	17.38
n5	20	15	839	DFT	64QAM	Inner_Full	21.10	17.01
n5	20	15	839	DFT	64QAM	Edge_1RB_Left	20.81	16.72
n5	20	15	839	DFT	64QAM	Edge_1RB_Right	21.05	16.96
n5	20	15	839	DFT	64QAM	Outer_Full	21.08	16.99
n5	20	15	839	DFT	256QAM	Inner_Full	19.20	15.11
n5	20	15	839	DFT	256QAM	Edge_1RB_Left	19.31	15.22
n5	20	15	839	DFT	256QAM	Edge_1RB_Right	19.32	15.23

n5	20	15	839	DFT	256QAM	Outer_Full	19.11	15.02
n5	20	15	839	CP	QPSK	Inner_Full	22.04	17.95
n5	20	15	839	CP	QPSK	Edge_1RB_Left	20.43	16.34
n5	20	15	839	CP	QPSK	Edge_1RB_Right	20.35	16.26
n5	20	15	839	CP	QPSK	Outer_Full	20.45	16.36
n5	20	15	839	CP	16QAM	Inner_Full	21.61	17.52
n5	20	15	839	CP	16QAM	Edge_1RB_Left	20.59	16.50
n5	20	15	839	CP	16QAM	Edge_1RB_Right	20.46	16.37
n5	20	15	839	CP	16QAM	Outer_Full	20.47	16.38
n5	20	15	839	CP	64QAM	Inner_Full	19.98	15.89
n5	20	15	839	CP	64QAM	Edge_1RB_Left	20.08	15.99
n5	20	15	839	CP	64QAM	Edge_1RB_Right	20.13	16.04
n5	20	15	839	CP	64QAM	Outer_Full	19.89	15.80
n5	20	15	839	CP	256QAM	Inner_Full	17.17	13.08
n5	20	15	839	CP	256QAM	Edge_1RB_Left	16.69	12.60
n5	20	15	839	CP	256QAM	Edge_1RB_Right	17.23	13.14
n5	20	15	839	CP	256QAM	Outer_Full	17.04	12.95

NR n12 – ERP

Limits: $\leq 34.77\text{dBm}(3\text{W})$

BAND	BW(MHz)	SCS(kHz)	FREQ(MHz)	OFDM	MODULATION	RB LOCATION	POWER (dBm)	E.R.P(Gt-Ic=-1.24)
n12	5	15	701.5	DFT	pi/2 BPSK	Inner_Full	23.48	20.09
n12	5	15	701.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.98	19.59
n12	5	15	701.5	DFT	pi/2 BPSK	Edge_1RB_Right	23.01	19.62
n12	5	15	701.5	DFT	pi/2 BPSK	Outer_Full	23.08	19.69
n12	5	15	701.5	DFT	QPSK	Inner_Full	23.57	20.18
n12	5	15	701.5	DFT	QPSK	Edge_1RB_Left	22.39	19.00
n12	5	15	701.5	DFT	QPSK	Edge_1RB_Right	22.41	19.02
n12	5	15	701.5	DFT	QPSK	Outer_Full	22.49	19.10
n12	5	15	701.5	DFT	16QAM	Inner_Full	22.64	19.25
n12	5	15	701.5	DFT	16QAM	Edge_1RB_Left	21.65	18.26
n12	5	15	701.5	DFT	16QAM	Edge_1RB_Right	21.65	18.26
n12	5	15	701.5	DFT	16QAM	Outer_Full	21.72	18.33
n12	5	15	701.5	DFT	64QAM	Inner_Full	21.28	17.89
n12	5	15	701.5	DFT	64QAM	Edge_1RB_Left	20.90	17.51
n12	5	15	701.5	DFT	64QAM	Edge_1RB_Right	20.94	17.55
n12	5	15	701.5	DFT	64QAM	Outer_Full	21.20	17.81
n12	5	15	701.5	DFT	256QAM	Inner_Full	19.12	15.73
n12	5	15	701.5	DFT	256QAM	Edge_1RB_Left	19.30	15.91
n12	5	15	701.5	DFT	256QAM	Edge_1RB_Right	19.30	15.91
n12	5	15	701.5	DFT	256QAM	Outer_Full	19.23	15.84
n12	5	15	701.5	CP	QPSK	Inner_Full	21.98	18.59
n12	5	15	701.5	CP	QPSK	Edge_1RB_Left	20.67	17.28
n12	5	15	701.5	CP	QPSK	Edge_1RB_Right	20.74	17.35
n12	5	15	701.5	CP	QPSK	Outer_Full	20.67	17.28
n12	5	15	701.5	CP	16QAM	Inner_Full	21.74	18.35
n12	5	15	701.5	CP	16QAM	Edge_1RB_Left	20.69	17.30
n12	5	15	701.5	CP	16QAM	Edge_1RB_Right	20.74	17.35
n12	5	15	701.5	CP	16QAM	Outer_Full	20.69	17.30
n12	5	15	701.5	CP	64QAM	Inner_Full	20.20	16.81
n12	5	15	701.5	CP	64QAM	Edge_1RB_Left	20.30	16.91
n12	5	15	701.5	CP	64QAM	Edge_1RB_Right	20.34	16.95
n12	5	15	701.5	CP	64QAM	Outer_Full	20.25	16.86
n12	5	15	701.5	CP	256QAM	Inner_Full	17.01	13.62
n12	5	15	701.5	CP	256QAM	Edge_1RB_Left	17.30	13.91
n12	5	15	701.5	CP	256QAM	Edge_1RB_Right	17.30	13.91
n12	5	15	701.5	CP	256QAM	Outer_Full	17.13	13.74
n12	5	15	707.5	DFT	pi/2 BPSK	Inner_Full	23.40	20.01
n12	5	15	707.5	DFT	pi/2 BPSK	Edge_1RB_Left	23.02	19.63

n12	5	15	707.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.96	19.57
n12	5	15	707.5	DFT	pi/2 BPSK	Outer_Full	22.92	19.53
n12	5	15	707.5	DFT	QPSK	Inner_Full	23.50	20.11
n12	5	15	707.5	DFT	QPSK	Edge_1RB_Left	22.42	19.03
n12	5	15	707.5	DFT	QPSK	Edge_1RB_Right	22.41	19.02
n12	5	15	707.5	DFT	QPSK	Outer_Full	22.44	19.05
n12	5	15	707.5	DFT	16QAM	Inner_Full	22.60	19.21
n12	5	15	707.5	DFT	16QAM	Edge_1RB_Left	21.62	18.23
n12	5	15	707.5	DFT	16QAM	Edge_1RB_Right	21.65	18.26
n12	5	15	707.5	DFT	16QAM	Outer_Full	21.67	18.28
n12	5	15	707.5	DFT	64QAM	Inner_Full	21.18	17.79
n12	5	15	707.5	DFT	64QAM	Edge_1RB_Left	21.21	17.82
n12	5	15	707.5	DFT	64QAM	Edge_1RB_Right	20.89	17.50
n12	5	15	707.5	DFT	64QAM	Outer_Full	21.10	17.71
n12	5	15	707.5	DFT	256QAM	Inner_Full	18.98	15.59
n12	5	15	707.5	DFT	256QAM	Edge_1RB_Left	19.31	15.92
n12	5	15	707.5	DFT	256QAM	Edge_1RB_Right	19.28	15.89
n12	5	15	707.5	DFT	256QAM	Outer_Full	19.08	15.69
n12	5	15	707.5	CP	QPSK	Inner_Full	21.94	18.55
n12	5	15	707.5	CP	QPSK	Edge_1RB_Left	20.78	17.39
n12	5	15	707.5	CP	QPSK	Edge_1RB_Right	20.76	17.37
n12	5	15	707.5	CP	QPSK	Outer_Full	20.57	17.18
n12	5	15	707.5	CP	16QAM	Inner_Full	21.68	18.29
n12	5	15	707.5	CP	16QAM	Edge_1RB_Left	20.72	17.33
n12	5	15	707.5	CP	16QAM	Edge_1RB_Right	20.70	17.31
n12	5	15	707.5	CP	16QAM	Outer_Full	20.62	17.23
n12	5	15	707.5	CP	64QAM	Inner_Full	20.11	16.72
n12	5	15	707.5	CP	64QAM	Edge_1RB_Left	20.31	16.92
n12	5	15	707.5	CP	64QAM	Edge_1RB_Right	20.43	17.04
n12	5	15	707.5	CP	64QAM	Outer_Full	20.15	16.76
n12	5	15	707.5	CP	256QAM	Inner_Full	16.96	13.57
n12	5	15	707.5	CP	256QAM	Edge_1RB_Left	16.70	13.31
n12	5	15	707.5	CP	256QAM	Edge_1RB_Right	17.27	13.88
n12	5	15	707.5	CP	256QAM	Outer_Full	17.02	13.63
n12	5	15	713.5	DFT	pi/2 BPSK	Inner_Full	23.29	19.90
n12	5	15	713.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.79	19.40
n12	5	15	713.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.89	19.50
n12	5	15	713.5	DFT	pi/2 BPSK	Outer_Full	22.86	19.47
n12	5	15	713.5	DFT	QPSK	Inner_Full	23.44	20.05
n12	5	15	713.5	DFT	QPSK	Edge_1RB_Left	22.24	18.85
n12	5	15	713.5	DFT	QPSK	Edge_1RB_Right	22.27	18.88
n12	5	15	713.5	DFT	QPSK	Outer_Full	22.29	18.90

n12	5	15	713.5	DFT	16QAM	Inner_Full	22.61	19.22
n12	5	15	713.5	DFT	16QAM	Edge_1RB_Left	21.45	18.06
n12	5	15	713.5	DFT	16QAM	Edge_1RB_Right	21.59	18.20
n12	5	15	713.5	DFT	16QAM	Outer_Full	21.54	18.15
n12	5	15	713.5	DFT	64QAM	Inner_Full	21.11	17.72
n12	5	15	713.5	DFT	64QAM	Edge_1RB_Left	20.75	17.36
n12	5	15	713.5	DFT	64QAM	Edge_1RB_Right	20.81	17.42
n12	5	15	713.5	DFT	64QAM	Outer_Full	21.04	17.65
n12	5	15	713.5	DFT	256QAM	Inner_Full	18.98	15.59
n12	5	15	713.5	DFT	256QAM	Edge_1RB_Left	19.14	15.75
n12	5	15	713.5	DFT	256QAM	Edge_1RB_Right	19.21	15.82
n12	5	15	713.5	DFT	256QAM	Outer_Full	18.98	15.59
n12	5	15	713.5	CP	QPSK	Inner_Full	21.80	18.41
n12	5	15	713.5	CP	QPSK	Edge_1RB_Left	20.51	17.12
n12	5	15	713.5	CP	QPSK	Edge_1RB_Right	20.57	17.18
n12	5	15	713.5	CP	QPSK	Outer_Full	20.49	17.10
n12	5	15	713.5	CP	16QAM	Inner_Full	21.57	18.18
n12	5	15	713.5	CP	16QAM	Edge_1RB_Left	20.54	17.15
n12	5	15	713.5	CP	16QAM	Edge_1RB_Right	20.59	17.20
n12	5	15	713.5	CP	16QAM	Outer_Full	20.48	17.09
n12	5	15	713.5	CP	64QAM	Inner_Full	20.07	16.68
n12	5	15	713.5	CP	64QAM	Edge_1RB_Left	20.19	16.80
n12	5	15	713.5	CP	64QAM	Edge_1RB_Right	20.21	16.82
n12	5	15	713.5	CP	64QAM	Outer_Full	20.08	16.69
n12	5	15	713.5	CP	256QAM	Inner_Full	16.90	13.51
n12	5	15	713.5	CP	256QAM	Edge_1RB_Left	17.13	13.74
n12	5	15	713.5	CP	256QAM	Edge_1RB_Right	17.16	13.77
n12	5	15	713.5	CP	256QAM	Outer_Full	16.96	13.57
n12	10	15	704	DFT	pi/2 BPSK	Inner_Full	23.26	19.87
n12	10	15	704	DFT	pi/2 BPSK	Edge_1RB_Left	22.78	19.39
n12	10	15	704	DFT	pi/2 BPSK	Edge_1RB_Right	22.67	19.28
n12	10	15	704	DFT	pi/2 BPSK	Outer_Full	22.81	19.42
n12	10	15	704	DFT	QPSK	Inner_Full	23.30	19.91
n12	10	15	704	DFT	QPSK	Edge_1RB_Left	22.16	18.77
n12	10	15	704	DFT	QPSK	Edge_1RB_Right	22.02	18.63
n12	10	15	704	DFT	QPSK	Outer_Full	22.35	18.96
n12	10	15	704	DFT	16QAM	Inner_Full	22.37	18.98
n12	10	15	704	DFT	16QAM	Edge_1RB_Left	21.43	18.04
n12	10	15	704	DFT	16QAM	Edge_1RB_Right	21.34	17.95
n12	10	15	704	DFT	16QAM	Outer_Full	21.47	18.08
n12	10	15	704	DFT	64QAM	Inner_Full	21.04	17.65
n12	10	15	704	DFT	64QAM	Edge_1RB_Left	20.60	17.21

n12	10	15	704	DFT	64QAM	Edge_1RB_Right	20.62	17.23
n12	10	15	704	DFT	64QAM	Outer_Full	20.93	17.54
n12	10	15	704	DFT	256QAM	Inner_Full	18.93	15.54
n12	10	15	704	DFT	256QAM	Edge_1RB_Left	18.55	15.16
n12	10	15	704	DFT	256QAM	Edge_1RB_Right	19.00	15.61
n12	10	15	704	DFT	256QAM	Outer_Full	18.97	15.58
n12	10	15	704	CP	QPSK	Inner_Full	21.75	18.36
n12	10	15	704	CP	QPSK	Edge_1RB_Left	20.45	17.06
n12	10	15	704	CP	QPSK	Edge_1RB_Right	20.41	17.02
n12	10	15	704	CP	QPSK	Outer_Full	20.44	17.05
n12	10	15	704	CP	16QAM	Inner_Full	21.46	18.07
n12	10	15	704	CP	16QAM	Edge_1RB_Left	20.41	17.02
n12	10	15	704	CP	16QAM	Edge_1RB_Right	20.40	17.01
n12	10	15	704	CP	16QAM	Outer_Full	20.45	17.06
n12	10	15	704	CP	64QAM	Inner_Full	19.99	16.60
n12	10	15	704	CP	64QAM	Edge_1RB_Left	20.06	16.67
n12	10	15	704	CP	64QAM	Edge_1RB_Right	20.20	16.81
n12	10	15	704	CP	64QAM	Outer_Full	19.98	16.59
n12	10	15	704	CP	256QAM	Inner_Full	16.95	13.56
n12	10	15	704	CP	256QAM	Edge_1RB_Left	17.05	13.66
n12	10	15	704	CP	256QAM	Edge_1RB_Right	17.08	13.69
n12	10	15	704	CP	256QAM	Outer_Full	16.87	13.48
n12	10	15	707.5	DFT	pi/2 BPSK	Inner_Full	23.29	19.90
n12	10	15	707.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.88	19.49
n12	10	15	707.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.63	19.24
n12	10	15	707.5	DFT	pi/2 BPSK	Outer_Full	22.78	19.39
n12	10	15	707.5	DFT	QPSK	Inner_Full	23.26	19.87
n12	10	15	707.5	DFT	QPSK	Edge_1RB_Left	22.26	18.87
n12	10	15	707.5	DFT	QPSK	Edge_1RB_Right	22.03	18.64
n12	10	15	707.5	DFT	QPSK	Outer_Full	22.31	18.92
n12	10	15	707.5	DFT	16QAM	Inner_Full	22.34	18.95
n12	10	15	707.5	DFT	16QAM	Edge_1RB_Left	21.55	18.16
n12	10	15	707.5	DFT	16QAM	Edge_1RB_Right	21.36	17.97
n12	10	15	707.5	DFT	16QAM	Outer_Full	21.42	18.03
n12	10	15	707.5	DFT	64QAM	Inner_Full	20.98	17.59
n12	10	15	707.5	DFT	64QAM	Edge_1RB_Left	20.78	17.39
n12	10	15	707.5	DFT	64QAM	Edge_1RB_Right	20.61	17.22
n12	10	15	707.5	DFT	64QAM	Outer_Full	20.95	17.56
n12	10	15	707.5	DFT	256QAM	Inner_Full	18.90	15.51
n12	10	15	707.5	DFT	256QAM	Edge_1RB_Left	19.17	15.78
n12	10	15	707.5	DFT	256QAM	Edge_1RB_Right	18.93	15.54
n12	10	15	707.5	DFT	256QAM	Outer_Full	18.87	15.48

n12	10	15	707.5	CP	QPSK	Inner_Full	21.74	18.35
n12	10	15	707.5	CP	QPSK	Edge_1RB_Left	20.53	17.14
n12	10	15	707.5	CP	QPSK	Edge_1RB_Right	20.23	16.84
n12	10	15	707.5	CP	QPSK	Outer_Full	20.40	17.01
n12	10	15	707.5	CP	16QAM	Inner_Full	21.47	18.08
n12	10	15	707.5	CP	16QAM	Edge_1RB_Left	20.57	17.18
n12	10	15	707.5	CP	16QAM	Edge_1RB_Right	20.38	16.99
n12	10	15	707.5	CP	16QAM	Outer_Full	20.46	17.07
n12	10	15	707.5	CP	64QAM	Inner_Full	19.97	16.58
n12	10	15	707.5	CP	64QAM	Edge_1RB_Left	20.11	16.72
n12	10	15	707.5	CP	64QAM	Edge_1RB_Right	20.18	16.79
n12	10	15	707.5	CP	64QAM	Outer_Full	19.93	16.54
n12	10	15	707.5	CP	256QAM	Inner_Full	16.93	13.54
n12	10	15	707.5	CP	256QAM	Edge_1RB_Left	17.15	13.76
n12	10	15	707.5	CP	256QAM	Edge_1RB_Right	16.47	13.08
n12	10	15	707.5	CP	256QAM	Outer_Full	16.77	13.38
n12	10	15	711	DFT	pi/2 BPSK	Inner_Full	23.21	19.82
n12	10	15	711	DFT	pi/2 BPSK	Edge_1RB_Left	22.65	19.26
n12	10	15	711	DFT	pi/2 BPSK	Edge_1RB_Right	22.75	19.36
n12	10	15	711	DFT	pi/2 BPSK	Outer_Full	22.66	19.27
n12	10	15	711	DFT	QPSK	Inner_Full	23.15	19.76
n12	10	15	711	DFT	QPSK	Edge_1RB_Left	22.12	18.73
n12	10	15	711	DFT	QPSK	Edge_1RB_Right	22.10	18.71
n12	10	15	711	DFT	QPSK	Outer_Full	22.20	18.81
n12	10	15	711	DFT	16QAM	Inner_Full	22.26	18.87
n12	10	15	711	DFT	16QAM	Edge_1RB_Left	21.45	18.06
n12	10	15	711	DFT	16QAM	Edge_1RB_Right	21.37	17.98
n12	10	15	711	DFT	16QAM	Outer_Full	21.28	17.89
n12	10	15	711	DFT	64QAM	Inner_Full	20.92	17.53
n12	10	15	711	DFT	64QAM	Edge_1RB_Left	20.68	17.29
n12	10	15	711	DFT	64QAM	Edge_1RB_Right	20.63	17.24
n12	10	15	711	DFT	64QAM	Outer_Full	20.76	17.37
n12	10	15	711	DFT	256QAM	Inner_Full	18.89	15.50
n12	10	15	711	DFT	256QAM	Edge_1RB_Left	18.60	15.21
n12	10	15	711	DFT	256QAM	Edge_1RB_Right	18.56	15.17
n12	10	15	711	DFT	256QAM	Outer_Full	18.79	15.40
n12	10	15	711	CP	QPSK	Inner_Full	21.62	18.23
n12	10	15	711	CP	QPSK	Edge_1RB_Left	20.31	16.92
n12	10	15	711	CP	QPSK	Edge_1RB_Right	20.30	16.91
n12	10	15	711	CP	QPSK	Outer_Full	20.22	16.83
n12	10	15	711	CP	16QAM	Inner_Full	21.37	17.98
n12	10	15	711	CP	16QAM	Edge_1RB_Left	20.33	16.94

n12	10	15	711	CP	16QAM	Edge_1RB_Right	20.37	16.98
n12	10	15	711	CP	16QAM	Outer_Full	20.31	16.92
n12	10	15	711	CP	64QAM	Inner_Full	19.87	16.48
n12	10	15	711	CP	64QAM	Edge_1RB_Left	20.17	16.78
n12	10	15	711	CP	64QAM	Edge_1RB_Right	20.13	16.74
n12	10	15	711	CP	64QAM	Outer_Full	19.80	16.41
n12	10	15	711	CP	256QAM	Inner_Full	16.83	13.44
n12	10	15	711	CP	256QAM	Edge_1RB_Left	17.11	13.72
n12	10	15	711	CP	256QAM	Edge_1RB_Right	17.07	13.68
n12	10	15	711	CP	256QAM	Outer_Full	16.65	13.26
n12	15	15	706.5	DFT	pi/2 BPSK	Inner_Full	23.46	20.07
n12	15	15	706.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.92	19.53
n12	15	15	706.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.81	19.42
n12	15	15	706.5	DFT	pi/2 BPSK	Outer_Full	23.01	19.62
n12	15	15	706.5	DFT	QPSK	Inner_Full	23.54	20.15
n12	15	15	706.5	DFT	QPSK	Edge_1RB_Left	22.36	18.97
n12	15	15	706.5	DFT	QPSK	Edge_1RB_Right	22.20	18.81
n12	15	15	706.5	DFT	QPSK	Outer_Full	22.55	19.16
n12	15	15	706.5	DFT	16QAM	Inner_Full	22.62	19.23
n12	15	15	706.5	DFT	16QAM	Edge_1RB_Left	21.63	18.24
n12	15	15	706.5	DFT	16QAM	Edge_1RB_Right	21.54	18.15
n12	15	15	706.5	DFT	16QAM	Outer_Full	21.72	18.33
n12	15	15	706.5	DFT	64QAM	Inner_Full	21.20	17.81
n12	15	15	706.5	DFT	64QAM	Edge_1RB_Left	21.14	17.75
n12	15	15	706.5	DFT	64QAM	Edge_1RB_Right	20.78	17.39
n12	15	15	706.5	DFT	64QAM	Outer_Full	21.16	17.77
n12	15	15	706.5	DFT	256QAM	Inner_Full	19.19	15.80
n12	15	15	706.5	DFT	256QAM	Edge_1RB_Left	19.25	15.86
n12	15	15	706.5	DFT	256QAM	Edge_1RB_Right	19.14	15.75
n12	15	15	706.5	DFT	256QAM	Outer_Full	19.10	15.71
n12	15	15	706.5	CP	QPSK	Inner_Full	21.99	18.60
n12	15	15	706.5	CP	QPSK	Edge_1RB_Left	20.62	17.23
n12	15	15	706.5	CP	QPSK	Edge_1RB_Right	20.57	17.18
n12	15	15	706.5	CP	QPSK	Outer_Full	20.63	17.24
n12	15	15	706.5	CP	16QAM	Inner_Full	21.71	18.32
n12	15	15	706.5	CP	16QAM	Edge_1RB_Left	20.70	17.31
n12	15	15	706.5	CP	16QAM	Edge_1RB_Right	20.57	17.18
n12	15	15	706.5	CP	16QAM	Outer_Full	20.61	17.22
n12	15	15	706.5	CP	64QAM	Inner_Full	20.23	16.84
n12	15	15	706.5	CP	64QAM	Edge_1RB_Left	20.28	16.89
n12	15	15	706.5	CP	64QAM	Edge_1RB_Right	20.31	16.92
n12	15	15	706.5	CP	64QAM	Outer_Full	20.22	16.83

n12	15	15	706.5	CP	256QAM	Inner_Full	17.11	13.72
n12	15	15	706.5	CP	256QAM	Edge_1RB_Left	17.21	13.82
n12	15	15	706.5	CP	256QAM	Edge_1RB_Right	17.10	13.71
n12	15	15	706.5	CP	256QAM	Outer_Full	17.05	13.66
n12	15	15	707.5	DFT	pi/2 BPSK	Inner_Full	23.39	20.00
n12	15	15	707.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.87	19.48
n12	15	15	707.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.75	19.36
n12	15	15	707.5	DFT	pi/2 BPSK	Outer_Full	22.89	19.50
n12	15	15	707.5	DFT	QPSK	Inner_Full	23.48	20.09
n12	15	15	707.5	DFT	QPSK	Edge_1RB_Left	22.30	18.91
n12	15	15	707.5	DFT	QPSK	Edge_1RB_Right	22.13	18.74
n12	15	15	707.5	DFT	QPSK	Outer_Full	22.43	19.04
n12	15	15	707.5	DFT	16QAM	Inner_Full	22.45	19.06
n12	15	15	707.5	DFT	16QAM	Edge_1RB_Left	21.42	18.03
n12	15	15	707.5	DFT	16QAM	Edge_1RB_Right	21.34	17.95
n12	15	15	707.5	DFT	16QAM	Outer_Full	21.55	18.16
n12	15	15	707.5	DFT	64QAM	Inner_Full	21.10	17.71
n12	15	15	707.5	DFT	64QAM	Edge_1RB_Left	21.22	17.83
n12	15	15	707.5	DFT	64QAM	Edge_1RB_Right	21.03	17.64
n12	15	15	707.5	DFT	64QAM	Outer_Full	21.06	17.67
n12	15	15	707.5	DFT	256QAM	Inner_Full	19.02	15.63
n12	15	15	707.5	DFT	256QAM	Edge_1RB_Left	18.95	15.56
n12	15	15	707.5	DFT	256QAM	Edge_1RB_Right	19.04	15.65
n12	15	15	707.5	DFT	256QAM	Outer_Full	19.00	15.61
n12	15	15	707.5	CP	QPSK	Inner_Full	21.98	18.59
n12	15	15	707.5	CP	QPSK	Edge_1RB_Left	20.93	17.54
n12	15	15	707.5	CP	QPSK	Edge_1RB_Right	20.85	17.46
n12	15	15	707.5	CP	QPSK	Outer_Full	20.56	17.17
n12	15	15	707.5	CP	16QAM	Inner_Full	21.59	18.20
n12	15	15	707.5	CP	16QAM	Edge_1RB_Left	20.49	17.10
n12	15	15	707.5	CP	16QAM	Edge_1RB_Right	20.42	17.03
n12	15	15	707.5	CP	16QAM	Outer_Full	20.60	17.21
n12	15	15	707.5	CP	64QAM	Inner_Full	20.03	16.64
n12	15	15	707.5	CP	64QAM	Edge_1RB_Left	19.65	16.26
n12	15	15	707.5	CP	64QAM	Edge_1RB_Right	19.63	16.24
n12	15	15	707.5	CP	64QAM	Outer_Full	20.07	16.68
n12	15	15	707.5	CP	256QAM	Inner_Full	17.03	13.64
n12	15	15	707.5	CP	256QAM	Edge_1RB_Left	17.20	13.81
n12	15	15	707.5	CP	256QAM	Edge_1RB_Right	17.07	13.68
n12	15	15	707.5	CP	256QAM	Outer_Full	16.97	13.58
n12	15	15	708.5	DFT	pi/2 BPSK	Inner_Full	23.41	20.02
n12	15	15	708.5	DFT	pi/2 BPSK	Edge_1RB_Left	22.97	19.58

n12	15	15	708.5	DFT	pi/2 BPSK	Edge_1RB_Right	22.84	19.45
n12	15	15	708.5	DFT	pi/2 BPSK	Outer_Full	22.92	19.53
n12	15	15	708.5	DFT	QPSK	Inner_Full	23.48	20.09
n12	15	15	708.5	DFT	QPSK	Edge_1RB_Left	22.36	18.97
n12	15	15	708.5	DFT	QPSK	Edge_1RB_Right	22.29	18.90
n12	15	15	708.5	DFT	QPSK	Outer_Full	22.45	19.06
n12	15	15	708.5	DFT	16QAM	Inner_Full	22.56	19.17
n12	15	15	708.5	DFT	16QAM	Edge_1RB_Left	21.63	18.24
n12	15	15	708.5	DFT	16QAM	Edge_1RB_Right	21.54	18.15
n12	15	15	708.5	DFT	16QAM	Outer_Full	21.67	18.28
n12	15	15	708.5	DFT	64QAM	Inner_Full	21.15	17.76
n12	15	15	708.5	DFT	64QAM	Edge_1RB_Left	20.87	17.48
n12	15	15	708.5	DFT	64QAM	Edge_1RB_Right	20.78	17.39
n12	15	15	708.5	DFT	64QAM	Outer_Full	21.08	17.69
n12	15	15	708.5	DFT	256QAM	Inner_Full	19.14	15.75
n12	15	15	708.5	DFT	256QAM	Edge_1RB_Left	19.24	15.85
n12	15	15	708.5	DFT	256QAM	Edge_1RB_Right	19.21	15.82
n12	15	15	708.5	DFT	256QAM	Outer_Full	19.03	15.64
n12	15	15	708.5	CP	QPSK	Inner_Full	21.99	18.60
n12	15	15	708.5	CP	QPSK	Edge_1RB_Left	20.67	17.28
n12	15	15	708.5	CP	QPSK	Edge_1RB_Right	20.51	17.12
n12	15	15	708.5	CP	QPSK	Outer_Full	20.58	17.19
n12	15	15	708.5	CP	16QAM	Inner_Full	21.63	18.24
n12	15	15	708.5	CP	16QAM	Edge_1RB_Left	20.68	17.29
n12	15	15	708.5	CP	16QAM	Edge_1RB_Right	20.55	17.16
n12	15	15	708.5	CP	16QAM	Outer_Full	20.53	17.14
n12	15	15	708.5	CP	64QAM	Inner_Full	20.10	16.71
n12	15	15	708.5	CP	64QAM	Edge_1RB_Left	20.36	16.97
n12	15	15	708.5	CP	64QAM	Edge_1RB_Right	20.17	16.78
n12	15	15	708.5	CP	64QAM	Outer_Full	20.04	16.65
n12	15	15	708.5	CP	256QAM	Inner_Full	17.02	13.63
n12	15	15	708.5	CP	256QAM	Edge_1RB_Left	17.22	13.83
n12	15	15	708.5	CP	256QAM	Edge_1RB_Right	17.14	13.75
n12	15	15	708.5	CP	256QAM	Outer_Full	16.94	13.55

NR n48 – EIRP

Limit ≤ 23dBm/10MHz

BAN D	BW (MHz)	SCS (kHz)	FREQ (MHz)	OFDM	MODULATION	RB LOCATION	Conducted Power (dBm/10MHz)	Antenna Gain	EIRP (dBm/10 MHz)	Margin
n48	10	30	3555	DFT	pi/2 BPSK	Inner_Full	22.50	0.33	22.83	0.17
n48	10	30	3624.99	DFT	pi/2 BPSK	Inner_Full	22.47	0.33	22.80	0.20
n48	10	30	3694.98	DFT	pi/2 BPSK	Inner_Full	22.31	0.33	22.64	0.36
n48	10	30	3555	DFT	QPSK	Inner_Full	22.52	0.33	22.85	0.15
n48	10	30	3624.99	DFT	QPSK	Inner_Full	22.51	0.33	22.84	0.16
n48	10	30	3694.98	DFT	QPSK	Inner_Full	22.32	0.33	22.65	0.35
n48	10	30	3624.99	DFT	16QAM	Inner_Full	21.45	0.33	21.78	1.22
n48	10	30	3624.99	DFT	64QAM	Inner_Full	20.06	0.33	20.39	2.61
n48	10	30	3624.99	DFT	256QAM	Inner_Full	18.02	0.33	18.35	4.65
n48	20	30	3560.01	DFT	QPSK	Inner_Full	21.98	0.33	22.31	0.69
n48	20	30	3624.99	DFT	QPSK	Inner_Full	22.07	0.33	22.40	0.60
n48	20	30	3690	DFT	QPSK	Inner_Full	21.50	0.33	21.83	1.17
n48	40	30	3570	DFT	QPSK	Inner_Full	21.26	0.33	21.59	1.41
n48	40	30	3624.99	DFT	QPSK	Inner_Full	21.57	0.33	21.90	1.10
n48	40	30	3679.98	DFT	QPSK	Inner_Full	20.59	0.33	20.92	2.08
n48	50	30	3575.01	DFT	QPSK	Inner_Full	19.30	0.33	19.63	3.37
n48	50	30	3624.99	DFT	QPSK	Inner_Full	19.96	0.33	20.29	2.71
n48	50	30	3675	DFT	QPSK	Inner_Full	18.45	0.33	18.78	4.22
n48	100	30	3600	DFT	pi/2 BPSK	Inner_Full	16.13	0.33	16.46	6.54
n48	100	30	3624.99	DFT	pi/2 BPSK	Inner_Full	17.12	0.33	17.45	5.55
n48	100	30	3649.98	DFT	pi/2 BPSK	Inner_Full	17.11	0.33	17.44	5.56
n48	100	30	3600	DFT	QPSK	Inner_Full	16.12	0.33	16.45	6.55
n48	100	30	3624.99	DFT	QPSK	Inner_Full	17.18	0.33	17.51	5.49
n48	100	30	3649.98	DFT	QPSK	Inner_Full	17.24	0.33	17.57	5.43
n48	100	30	3624.99	DFT	16QAM	Inner_Full	16.16	0.33	16.49	6.51
n48	100	30	3624.99	DFT	64QAM	Inner_Full	14.60	0.33	14.93	8.07
n48	100	30	3624.99	DFT	256QAM	Inner_Full	12.82	0.33	13.15	9.85

A.2 Emission Limit

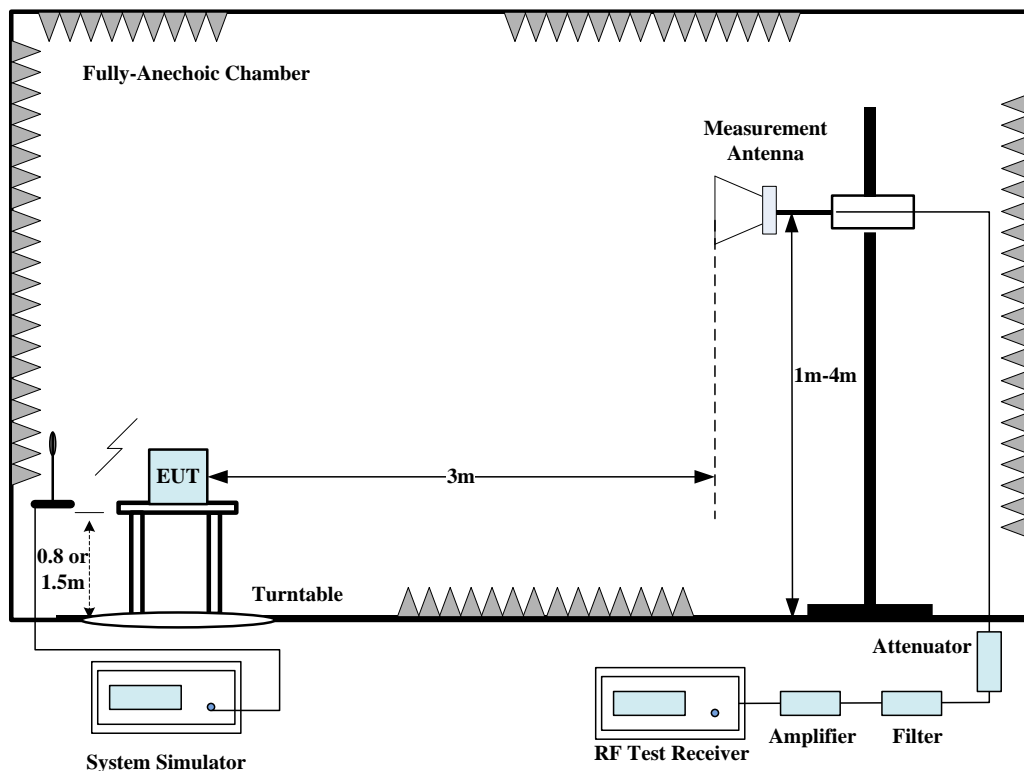
A.2.1 Measurement Method

The measurement procedures in TIA-603E-2016 are used.

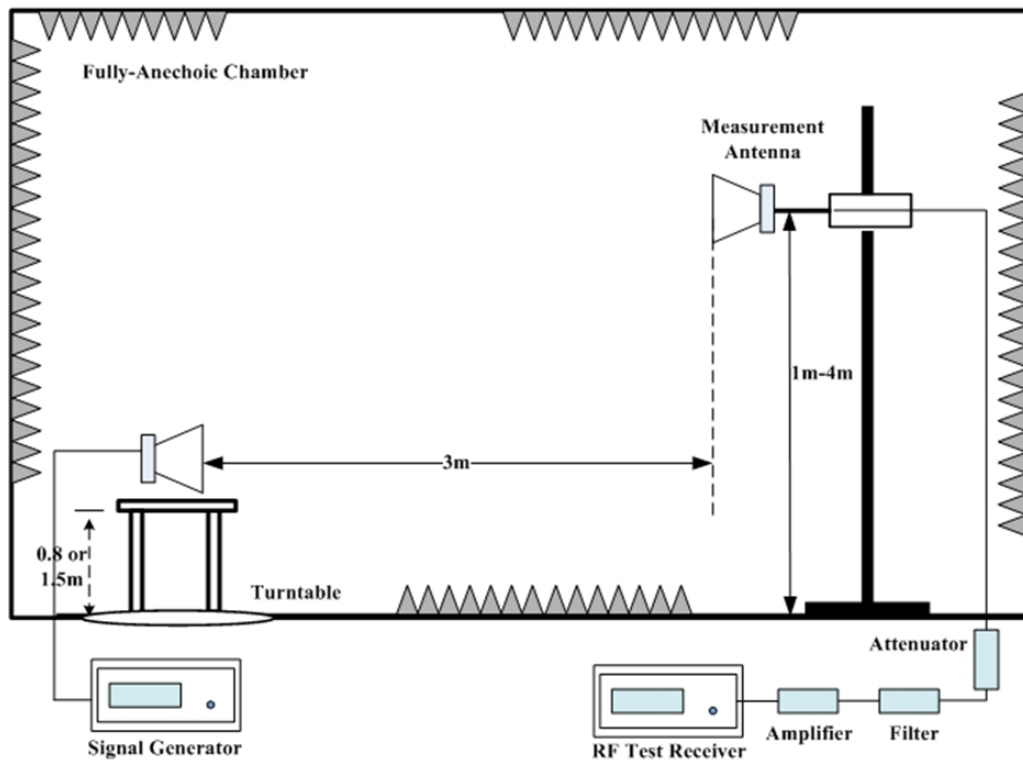
The spectrum was scanned from 30 MHz to the lower of the 10th harmonic of the highest fundamental frequency and 40GHz. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of each NR Band.

The procedure of radiated spurious emissions is as follows:

For measurements performed at frequencies less than or equal to 1 GHz, the EUT was placed on a 80cm-high non-conductive support; For measurements performed at frequencies above 1GHz, EUT was placed on a 1.5-meter-high non-conductive support. A measurement antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. In the initial test, the height of the measurement antenna was varied from 1 m to 4 m for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector.



1. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
2. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. The height of measurement antenna varied between 1 m to 4 m to maximize the received signal amplitude for each emission that was detected and measured in the initial test. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test was performed with the measurement antenna in both vertical and horizontal polarization.

3. The Path loss (P_{pl}) between the Signal Source and the Substitution Antenna and the Substitution Antenna Gain (G_a) were recorded after test. A amplifier was connected in for the test. The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.
4. The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{pl} + G_a$$

This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dBi}$.

A.2.2 Measurement Limit

NR n5: Part 22.917 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

NR n12: Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in

watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

NR n41: Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

A.2.3 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of each NR Band. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of each NR Band into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this. The range of evaluated frequency is from 30MHz to 40GHz.

A.2.4 Measurement Results Table

Frequency	Channel	Frequency Range	Result
NR Bands	Low	9kHz-26GHz	Pass
	Middle	9kHz-26GHz	Pass
	High	9kHz-26GHz	Pass

NOTE 1: The Bands n48 only have conducted emission limits according to Part 96.41. In this circumstances, the radiated emission tests are not applicable for these bands.

A.2.5 Sweep Table

Subrange	RBW	VBW
9~150 kHz	0.2kHz	0.6kHz
150kHz~30MHz	9kHz	27kHz
30MHz~1 GHz	100KHz	300KHz
1~20 GHz	1 MHz	3 MHz

A.2.6 Measurement Result

SA n5, BPSK, CH165300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	polarization
1641.76	-58.56	3.56	9.50	2.15	-54.77	-13.00	41.77	H
2479.00	-41.54	4.60	10.28	2.15	-38.01	-13.00	25.01	V
3305.64	-64.78	5.29	10.41	2.15	-61.81	-13.00	48.81	V
4129.71	-62.61	6.05	10.40	2.15	-60.41	-13.00	47.41	H
4945.80	-61.24	6.70	11.22	2.15	-58.87	-13.00	45.87	V
5775.95	-57.72	7.23	11.05	2.15	-56.05	-13.00	43.05	H

SA n5, BPSK, CH167300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	polarization
1673.01	-53.66	3.58	9.55	2.15	-49.84	-13.00	36.84	H
2509.50	-30.66	4.63	10.18	2.15	-27.26	-13.00	14.26	V
3332.83	-64.10	5.30	10.47	2.15	-61.08	-13.00	48.08	V
4193.46	-61.22	6.19	10.49	2.15	-59.07	-13.00	46.07	V
5033.92	-60.38	6.59	11.37	2.15	-57.75	-13.00	44.75	V
5870.17	-59.89	7.30	10.68	2.15	-58.66	-13.00	45.66	H

SA n5, BPSK, CH169300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	polarization
1707.51	-59.99	3.60	9.63	2.15	-56.11	-13.00	43.11	V
2539.50	-30.03	4.66	10.12	2.15	-26.72	-13.00	13.72	V
3385.80	-62.87	5.35	10.50	2.15	-59.87	-13.00	46.87	V
4231.89	-60.13	6.26	10.56	2.15	-57.98	-13.00	44.98	V
5086.42	-61.17	6.73	11.47	2.15	-58.58	-13.00	45.58	H
5925.95	-58.58	7.47	10.50	2.15	-57.70	-13.00	44.70	V

SA n12, BPSK, CH140300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	polarization
1403.26	-57.75	3.24	7.81	2.15	-55.33	-13.00	42.33	H
2111.75	-53.91	4.20	8.06	2.15	-52.20	-13.00	39.20	H
2800.75	-50.85	4.91	10.50	2.15	-47.41	-13.00	34.41	V
3510.96	-64.60	5.54	10.60	2.15	-61.69	-13.00	48.69	V
4195.33	-60.35	6.20	10.49	2.15	-58.21	-13.00	45.21	V
4925.17	-61.72	6.73	11.30	2.15	-59.30	-13.00	46.30	V

SA n12, BPSK, CH1415000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	polarization
1414.76	-57.18	3.25	7.83	2.15	-54.75	-13.00	41.75	H
2131.75	-53.75	4.22	8.34	2.15	-51.78	-13.00	38.78	H
2824.50	-50.06	4.95	10.60	2.15	-46.56	-13.00	33.56	H
3533.46	-63.92	5.65	10.60	2.15	-61.12	-13.00	48.12	V
4256.74	-61.14	6.23	10.63	2.15	-58.89	-13.00	45.89	H
4957.99	-60.79	6.68	11.22	2.15	-58.40	-13.00	45.40	V

SA n12, BPSK, CH142700

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1427.01	-56.64	3.27	7.85	2.15	-54.21	-13.00	41.21	V
2140.50	-52.69	4.23	8.47	2.15	-50.60	-13.00	37.60	H
2853.75	-50.79	4.96	10.71	2.15	-47.19	-13.00	34.19	H
3565.80	-63.68	5.99	10.60	2.15	-61.22	-13.00	48.22	V
4282.52	-60.57	6.21	10.73	2.15	-58.20	-13.00	45.20	V
4999.70	-60.13	6.60	11.30	2.15	-57.58	-13.00	44.58	V

DC 12A_n41, BPSK, CH500202

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5020.79	-62.10	6.57	11.34	-57.33	-25.00	32.33	H
7498.13	-55.35	8.39	10.30	-53.44	-25.00	28.44	V
10031.72	-54.82	9.27	11.93	-52.16	-25.00	27.16	H
12505.78	-52.43	10.19	13.30	-49.32	-25.00	24.32	V
15006.56	-53.66	11.22	14.51	-50.37	-25.00	25.37	H
17509.22	-45.07	12.76	13.03	-44.80	-25.00	19.80	V

DC 12A_n41, BPSK, CH518598

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5160.48	-63.10	6.90	11.62	-58.38	-25.00	33.38	H
7803.76	-56.04	8.29	10.92	-53.41	-25.00	28.41	V
10355.63	-53.46	9.73	12.06	-51.13	-25.00	26.13	V
12994.69	-53.42	10.47	12.71	-51.18	-25.00	26.18	V
15552.19	-54.94	11.51	15.35	-51.10	-25.00	26.10	V
16868.91	-51.50	12.03	14.07	-49.46	-25.00	24.46	V

DC 12A_n41, BPSK, CH537000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5365.32	-62.48	6.90	11.47	-57.91	-25.00	32.91	H
8045.16	-55.76	8.32	11.29	-52.79	-25.00	27.79	V
10735.32	-53.08	9.39	12.14	-50.33	-25.00	25.33	V
13399.22	-51.63	10.57	12.40	-49.80	-25.00	24.80	H
16115.16	-53.93	11.84	15.35	-50.42	-25.00	25.42	V
17463.28	-46.80	12.64	13.15	-46.29	-25.00	21.29	V

DC 5A_n41, BPSK, CH500202

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5006.26	-61.87	6.59	11.31	-57.15	-25.00	32.15	H
7508.91	-55.14	8.36	10.30	-53.20	-25.00	28.20	H
10031.72	-55.09	9.27	11.93	-52.43	-25.00	27.43	V
12505.78	-50.92	10.19	13.30	-47.81	-25.00	22.81	V
15018.28	-52.91	11.24	14.52	-49.63	-25.00	24.63	H
17499.38	-46.04	12.72	13.00	-45.76	-25.00	20.76	V

DC 5A_n41, BPSK, CH518598

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5163.29	-62.88	6.90	11.63	-58.15	-25.00	33.15	H
7808.44	-56.13	8.30	10.93	-53.50	-25.00	28.50	V
10362.19	-53.39	9.74	12.06	-51.07	-25.00	26.07	V
12982.50	-52.91	10.47	12.72	-50.66	-25.00	25.66	H
15545.63	-55.52	11.51	15.35	-51.68	-25.00	26.68	H
16832.34	-52.28	12.08	14.03	-50.33	-25.00	25.33	H

DC 5A_n41, BPSK, CH537000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5365.79	-63.21	6.90	11.47	-58.64	-25.00	33.64	V
8068.13	-55.23	8.32	11.26	-52.29	-25.00	27.29	H
10726.41	-53.60	9.37	12.13	-50.84	-25.00	25.84	H
13446.10	-51.74	10.60	12.45	-49.89	-25.00	24.89	V
16094.53	-53.94	11.85	15.41	-50.38	-25.00	25.38	V
17480.16	-46.22	12.68	13.08	-45.82	-25.00	20.82	V

Note: Peak EIRP (dBm) = P_{Mea}(dBm) - Path Loss(dB) + Antenna Gain(dBi)

*****END OF REPORT*****