

# FCC RF TEST REPORT

For

**Mobile Phone**

**Model Number: RMX3867**

**FCC ID: 2AUYFRMX3867**

**Report Number : WT238001933**

Test Laboratory : Shenzhen Academy of Metrology and Quality  
Inspection  
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## Revision History

No	Date	Remark
V1.0	2023.12.26	Initial issue

## Test report declaration

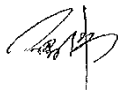
Applicant : Realme Chongqing Mobile Telecommunications Corp., Ltd.  
Address : No.178 Yulong Avenue, Yufengshan, Yubei District,  
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Manufacturer : Realme Chongqing Mobile Telecommunications Corp., Ltd.  
Address : No.178 Yulong Avenue, Yufengshan, Yubei District,  
Chongqing,China  
EUT Description : Mobile Phone  
Model No. : RMX3867  
Trade mark : realme  
FCC ID : 2AUYFRMX3867

Test Standards:  
**FCC PART 2, 22H, 27**

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26 (2015) & KDB 971168 and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 22H and 27.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

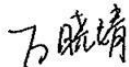
Project  
Engineer:



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Date: Dec.26, 2023

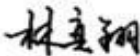
Checked by:



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Date: Dec.26, 2023

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Date: Dec.26, 2023

## TABLE OF CONTENTS

<b>1.</b>	<b>TEST RESULTS SUMMARY .....</b>	<b>5</b>
<b>2.</b>	<b>GENERAL INFORMATION.....</b>	<b>6</b>
2.1.	Report information.....	6
2.2.	Laboratory Accreditation and Relationship to Customer .....	6
<b>3.</b>	<b>PRODUCT SPECIFICATION OF EQUIPMENT UNDER TEST.....</b>	<b>7</b>
3.1.	General Description of EUT.....	7
3.2.	Maximum Effective Radiated Power .....	8
3.3.	Related Submittal(s) / Grant (s) .....	8
3.4.	Identification of Accessory equipment .....	8
<b>4.</b>	<b>TEST CONFIGURATION OF EQUIPMENT UNDER TEST .....</b>	<b>9</b>
4.1.	Operating Condition of EUT .....	9
4.2.	Test Configurations .....	9
4.3.	Frequency List .....	11
4.4.	Test Conditions.....	13
<b>5.</b>	<b>CONDUCTED TEST ITEMS.....</b>	<b>14</b>
5.1.	Measuring Instruments .....	14
5.2.	Test Setup .....	14
5.3.	Conducted Output Power and ERP/EIRP .....	15
5.4.	Peak-to-Average Ratio .....	16
5.5.	Occupied Bandwidth.....	17
5.6.	Conducted Band Edge .....	18
5.7.	Conducted Spurious Emission .....	20
5.8.	Frequency Stability.....	21
<b>6.</b>	<b>RADIATED TEST ITEMS.....</b>	<b>22</b>
6.1.	Measuring Instruments .....	22
6.2.	Test Setup .....	22
6.3.	Radiated Spurious Emission .....	23
<b>7.</b>	<b>TEST EQUIPMENT USED .....</b>	<b>24</b>
<b>8.</b>	<b>MEASUREMENT UNCERTAINTY.....</b>	<b>25</b>

## 1. TEST RESULTS SUMMARY

Report Section	FCC Rule	Description	Limit	Result	Remark
5.3	§ 2.1046	Conducted Output Power	Reporting Only	PASS	--
	§ 22.913(a)(5)	Effective Radiated Power (5G NR n5)	ERP < 7 Watt		
	§ 27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n7, n38, n41)	EIRP < 2Watt		
	§ 27.50(d)(4)	Equivalent Isotropic Radiated Power (5G NR n66)	EIRP < 1Watt		
5.4	§ 27.50(j)(4)	Peak-to-Average Ratio	<13 dB	PASS	--
5.5	§ 2.1049	Occupied Bandwidth	Reporting Only	PASS	--
5.6	§ 2.1051 § 22.917(a) § 27.53(h)	Conducted Band Edge Measurement (5G NR n5) (5G NR n66)	< 43+10log <sub>10</sub> (P[Watts])	PASS	--
	§ 27.53(m)(4)	Conducted Band Edge Measurement (5G NR n7, n38, n41)	§27.53(m)(4)		
5.7	§ 2.1051 § 22.917(a) § 27.53(h)	Conducted Spurious Emission (5G NR n5) (5G NR n66)	< 43+10log <sub>10</sub> (P[Watts])	PASS	--
	§ 2.1051 § 27.53(m)(4)	Conducted Spurious Emission (5G NR n7, n38, n41)	< 55+10log <sub>10</sub> (P[Watts])		
5.8	§ 2.1055 § 22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22H	PASS	--
	§ 2.1055 § 27.54		Within Authorized Band		
6.3	§ 2.1053 § 22.917(a) § 27.53(h)	Radiated Spurious Emission (5G NR n5) (5G NR n66)	< 43+10log <sub>10</sub> (P[Watts])	PASS	--
	§ 2.1053 § 27.53(m)(4)	Radiated Spurious Emission (5G NR n7, n38, n41)	< 55+10log <sub>10</sub> (P[Watts])		

## **2. GENERAL INFORMATION**

### **2.1. Report information**

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The samples mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting from false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacturer.

### **2.2. Laboratory Accreditation and Relationship to Customer**

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations: China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078, and T-20047.

The Laboratory is Accredited Testing Laboratory of American Association for Laboratory Accreditation (A2LA) and certificate number is 3292.01.

### 3. PRODUCT SPECIFICATION OF EQUIPMENT UNDER TEST

#### 3.1. General Description of EUT

<b>Product Type</b>	Mobile Phone			
<b>Model No.</b>	RMX3867			
<b>Hardware Revision</b>	11			
<b>Software Revision</b>	realme UI V5.0			
<b>FCC ID</b>	2AUYFRMX3867			
<b>Frequency</b>	<b>Tx Frequency:</b> 5G NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 1710 MHz – 1780 MHz			
	<b>Rx Frequency:</b> 5G NR n5: 869 MHz ~ 894 MHz 5G NR n7: 2620 MHz ~ 2690 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 2110 MHz – 2180 MHz			
<b>EN-DC Mode</b>	DC_66A_n5A, DC_7A_n5A, DC_66A_n7A, DC_5A_n7A, DC_4A_n7A, DC_2A_n7A, DC_26A_n41A, DC_2A_n41A, DC_4A_n41A, DC_66A_n41A, DC_2A_n38A, DC_4A_n38A, DC_5A_n38A, DC_66A_n38A DC_5A_n66A, DC_7A_n66A, DC_12A_n66A DC_2A_n66A			
<b>Bandwidth</b>	n5/n7/n66(SCS:15 kHz): 5MHz / 10MHz / 15MHz / 20MHz n38(SCS:30 kHz): 10MHz / 15MHz / 20MHz n41(SCS:30 kHz): 10MHz / 15MHz / 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz			
<b>Type(s) of Modulation</b>	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM			
<b>Antenna Type</b>	PIFA antenna			
<b>Antenna Gain</b>	<b>Bands</b>	<b>Ant 0</b>	<b>Ant 1</b>	<b>Ant 4</b>
	n5	-5.6	-6.3	
	n7	-0.6	-1.3	-2.9
	n38	-0.6	-1.3	-1.5
	n41	-0.6	-1.3	-2.2
	n66	-1.8	-1.3	
<b>Power Supply Voltage</b>	DC: 3.85V (Low) / 4.0V (Nominal)/ 4.5V (Max)			

**NOTE:**

1. The antenna gain and EN-DC combinations were declared by the manufacturer.
2. EUT supports Standalone and EN-DC mode.
3. The device supports Standalone and EN-DC mode, the whole testing has assessed SA mode by referring to the higher conducted power for conducted test items. For NSA mode, we only show the combination of the maximum power among all EN-DC combinations in the report.

### 3.2. Maximum Effective Radiated Power

Band	ERP/EIRP	Limit
	[dBm]	[dBm]
N5	15.41	38.45
N7	22.41	33
N38	23.72	33
N41	24.00	33
N66	22.24	30

### 3.3. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2AUYFRMX3867 filing to comply with FCC PART 22H, 24E AND 27.

### 3.4. Identification of Accessory equipment

AE #	Type	Manufacturer	Model	Serial Number
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## 4. TEST CONFIGURATION OF EQUIPMENT UNDER TEST

### 4.1. Operating Condition of EUT

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (Y plane).

Test Mode	Test Modes Description
NR/TM1	NR system, DFT-s-PI/2 BPSK modulation
NR/TM2	NR system, DFT-s-QPSK modulation
NR/TM3	NR system, DFT-s-16QAM modulation
NR/TM4	NR system, DFT-s-64QAM modulation
NR/TM5	NR system, DFT-s-256QAM modulation
NR/TM6	NR system, CP-QPSK modulation
NR/TM7	NR system, CP-16QAM modulation
NR/TM8	NR system, CP-64QAM modulation
NR/TM9	NR system, CP-256QAM modulation

### 4.2. Test Configurations

Test Items	5G NR	Bandwidth (MHz)						Test Mode									RB #					Test Channel			
		5	10	15	20	40,50,60,80,90	100	1	2	3	4	5	6	7	8	9	Edge_1RB_Left	Edge_1RB_Right	Outer_Full	Inner_Full	Inner_1RB_Left	Inner_1RB_Right	L	M	H
Max. Output Power & E.R.P / E.I.R.P	n5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v			v	v	v	v	v	v	v
	n7	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v			v	v	v	v	v	v	v
	n38	-	v	v	v	-	-	v	v	v	v	v	v	v	v	v			v	v	v	v	v	v	v
	n41	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v	v	v	v	v
	n66	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v			v	v	v	v	v	v	v
Peak-to-Average Ratio	n5				v	-	-	v	v	v	v	v	v	v	v			v						v	
	n7				v	-	-	v	v	v	v	v	v	v	v			v						v	
	n38	-	-	-	v	-	-	v	v	v	v	v	v	v	v			v						v	
	n41	-	-	-			v	v	v	v	v	v	v	v	v			v						v	
	n66				v	-	-	v	v	v	v	v	v	v	v			v						v	
26dB and 99% Bandwidth	n5	v	v	v	v	-	-	v	v	v	v	v	v	v	v			v					v	v	v
	n7	v	v	v	v	-	-	v	v	v	v	v	v	v	v			v					v	v	v
	n38	-	v	v	v	-	-	v	v	v	v	v	v	v	v			v					v	v	v



### 4.3. Frequency List

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

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

5G NR n38 (SCS:30 kHz) Channel and Frequency List				
BW [MHz]	Channel / Frequency(MHz)	Lowest	Middle	Highest
20	Channel	516000	519000	522000
	Frequency	2580	2595	2610
15	Channel	515500	519000	522500
	Frequency	2577.5	2595	2612.5
10	Channel	515000	519000	523000
	Frequency	2575	2595	2615

5G NR n41 (SCS:30 kHz) Channel and Frequency List				
BW [MHz]	Channel / Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685

5G NR n66 (SCS:15 kHz) Channel and Frequency List				
BW [MHz]	Channel / Frequency(MHz)	Lowest	Middle	Highest
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	354500	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

#### **4.4. Test Conditions**

Date of test: 2023.11.8 – 2023.12.14, 2023.12.26

Date of EUT Receive: 2023.11.7

Temperature: -30~50 °C

Relative Humidity: 41~48%

Air Pressure: (100.7-101.9) kPa

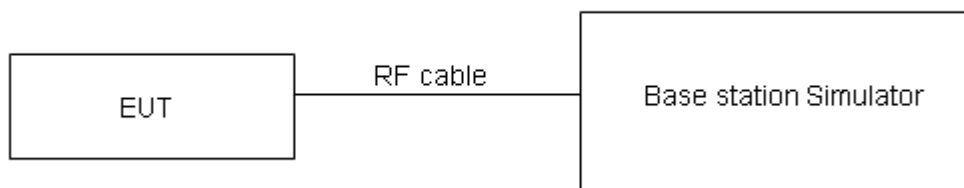
## 5. CONDUCTED TEST ITEMS

### 5.1. Measuring Instruments

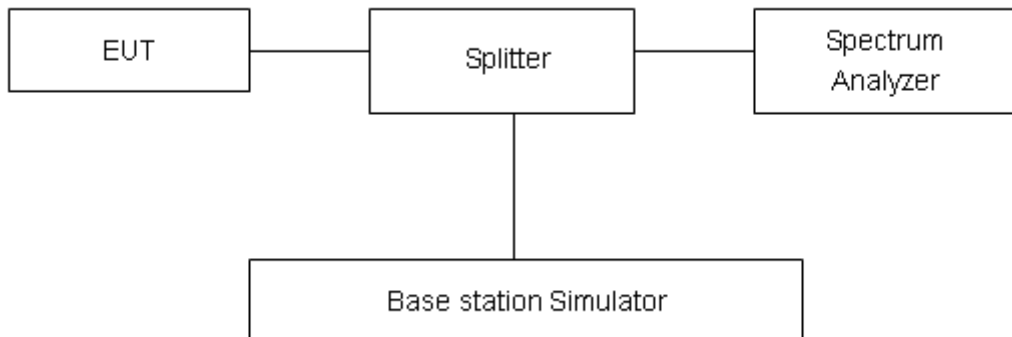
See list of measuring instruments of this test report.

### 5.2. Test Setup

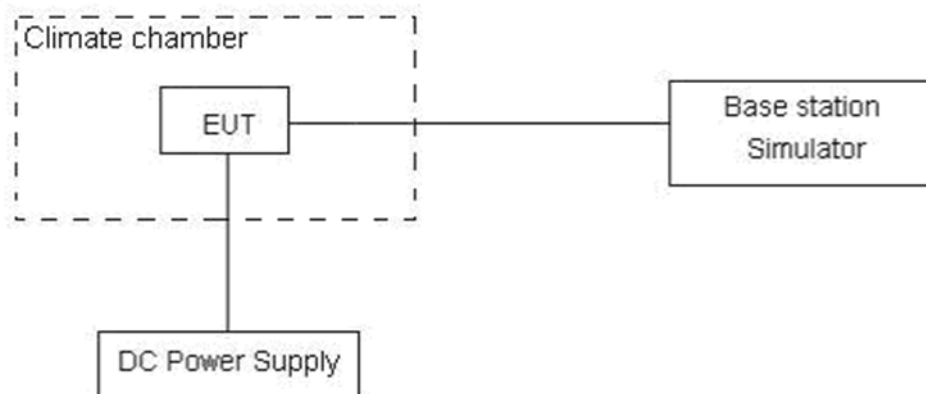
#### 5.2.1. Conducted Output Power



#### 5.2.2. Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



#### 5.2.3. Frequency Stability



## 5.3. Conducted Output Power and ERP/EIRP

### 5.3.1. Description of 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 EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n7 and n41.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66.

According to KDB 412172 D01 Power Approach,  $EIRP = PT + GT - LC$ ,  $ERP = EIRP - 2.15$ , where

PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

### 5.3.2. Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

### 5.3.3. Test Data

Please refer to Appendix A.

## **5.4. Peak-to-Average Ratio**

### **5.4.1. Description of the PAR Measurement**

A peak to average ratio measurement is performed at the conducted port of the EUT.

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth.

In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

### **5.4.2. Test Procedures**

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

### **5.4.3. Test Data**

Please refer to Appendix A.



## 5.5. Occupied Bandwidth

### 5.5.1. Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

### 5.5.2. Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

### 5.5.3. Test Data

Please refer to Appendix A.

## 5.6. Conducted Band Edge

### 5.6.1. Description of Conducted Band Edge Measurement

#### 22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### 27.53(m)(4)

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.

#### 27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is  $43 + 10\log_{10} (P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

## 5.6.2. Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW  $\geq$  1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line. Example:

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

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$
$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

9. For 5G NR n7/n38/n41, the other 40 dB, and 55 dB have additionally applied same calculation above.

## 5.6.3. Test Data

Please refer to Appendix A.

## 5.7. Conducted Spurious Emission

### 5.7.1. Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

For 5G NR n7/n38/n41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $55 + 10 \log (P)$  dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

### 5.7.2. Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB)  
 $= -13$ dBm.
11. For 5G NR n7/n41  
The limit line is derived from  $55 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [55 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[55 + 10\log(P)]$  (dB)  
 $= -25$ dBm.

### 5.7.3. Test Data

Please refer to Appendix A.

## **5.8. Frequency Stability**

### **5.8.1. Description of Frequency Stability Measurement**

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within  $\pm 0.00025\%$  ( $\pm 2.5\text{ppm}$ ) of the center frequency.

### **5.8.2. Test Procedures for Temperature Variation**

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

### **5.8.3. Test Procedures for Voltage Variation**

5. The testing follows ANSI C63.26 section 5.6.5
6. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
7. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
8. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
9. The variation in frequency was measured for the worst case.

### **5.8.4. Test Data**

Please refer to Appendix A.

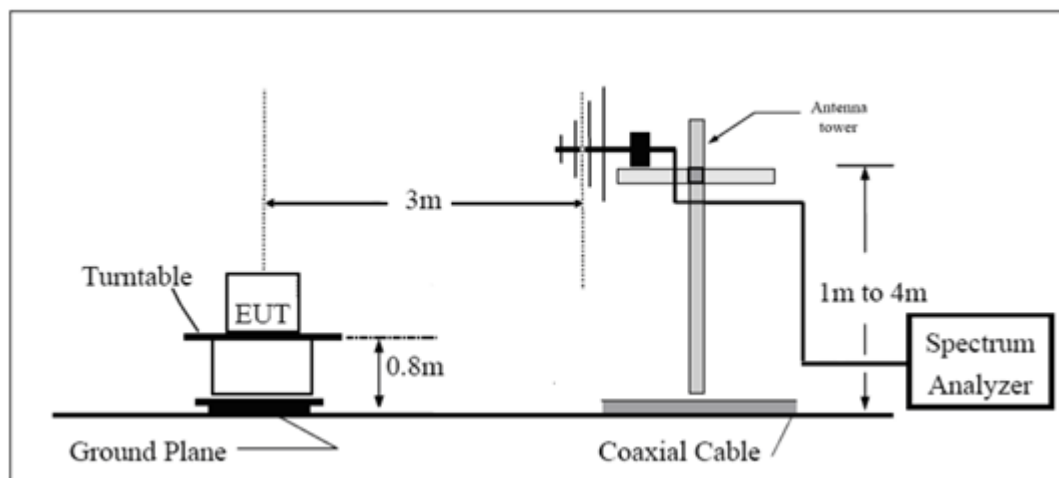
## 6. RADIATED TEST ITEMS

### 6.1. Measuring Instruments

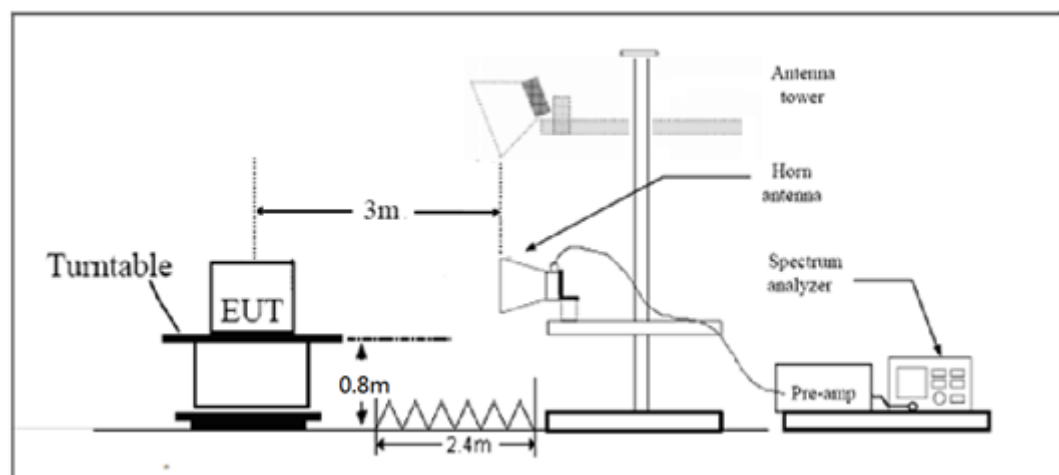
See list of measuring instruments of this test report.

### 6.2. Test Setup

#### 6.2.1. For radiated test from 30MHz to 1GHz



#### 6.2.2. For radiated test above 1GHz



## 6.3. Radiated Spurious Emission

### 6.3.1. Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

For 5G NR n7/n38/n41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $55 + 10 \log (P)$  dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### 6.3.2. Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10.  $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11.  $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$   
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$   
 $= -13\text{dBm}.$

13. For 5G NR n7/n38/n41:

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

### 6.3.3. Test Data

Please refer to Appendix B.

## 7. TEST EQUIPMENT USED

### 7.1.Details for Conducted test equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB18152	Wireless communication tester	Anritsu	MT8000A	2023.04.24	1 Year
SB18153	Wireless communication tester	Anritsu	MT8821C	2023.04.24	1 Year
SB9721/02	Signal Analyzer	Agilent	N9020A	2023.04.24	1 Year
SB20321/01	Signal Analyzer	Rohde & Schwarz	FSV3044	2023.04.24	1 Year
SB9721/07	DC Power Supply	Agilent	66319D	--	--
SB11818	Temperature & Humidity Test chamber	Espec	EH-010U	2022.12.16	1 Year
--	Test Software	Tonscend	JS1120	--	--

### 7.2.Details for Radiated spurious test equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	2023.01.19	1 Year
SB9054/08	Bilog Antenna	Schwarzbeck	VULB9163	2023.05.30	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	2022.11.28	1 Year
SB8501/11	Horn Antenna	ETS-Lindgren	3160-09	2023.02.22	3 Year
SB8501/12	Horn Antenna	ETS-Lindgren	3160-10	2023.02.22	3 Year
SB8501/14	Preamplifier	Rohde & Schwarz	SCU-03	2023.01.31	1 Year
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	2023.01.31	1 Year
SB8501/16	Preamplifier	Rohde & Schwarz	SCU-26	2023.01.31	1 Year
SB9059	Preamplifier	Rohde & Schwarz	SCU-40	2023.08.09	1 Year
SB18154	Wireless communication tester	Anritsu	MT8000A	2023.04.24	1 Year
SB18155	Wireless communication tester	Anritsu	MT8821C	2023.04.24	1 Year
--	Radiated Test Software	Rohde & Schwarz	EMC 32	--	--
SB9555/02	Fully Anechoic Chamber	Albatross	10.0*5.2*5.4(m)	2022.08.16	1 Year
SB15044/01	Test Receiver	Rohde & Schwarz	ESW8	2023.09.12	1 Year
SB12944	Broadband Antenna	Rohde & Schwarz	VULB9163	2023.09.12	1 Year
SB18844	Semi Anechoic Chamber	Albatross	9×6×6(m)	2023.03.20	1 Year



## 8. MEASUREMENT UNCERTAINTY

For a 95% confidence level ( $k = 2$ ), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

Radiated Emission:  
30MHz~1000MHz 4.5dB  
1GHz~26.5GHz 4.6dB

Conducted test:  
26dB & Occupied Bandwidth:  $\pm 0.39\%$

Frequency Stability:  $\pm 0.42\%$

Peak to Average Ratio: 0.45 dB

Conducted power: 0.3 dB

Temperature:  $\pm 0.698$

Supply voltages:  $\pm 0.15\%$

**END OF REPORT**

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**APPENDIX A. TEST RESULTS OF CONDUCTED TEST**  
**– 5G NR**

## CONDUCTED POWER & EFFECTIVE RADIATED POWER

### Test Result

Band	SCS (kHz)	Band-Width (MHz)	Modulation	Ch.	RB Config	Power (dBm)	ERP/EIRP (dBm)	Limit (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Outer_Full	22.44	14.69	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_Full	22.96	15.21	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Edge_1RB_Left	22.38	14.63	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Edge_1RB_Right	22.30	14.55	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	21.93	14.18	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_Full	23.00	15.25	38.45	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	22.13	14.38	38.45	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Right	21.95	14.2	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	20.97	13.22	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_Full	22.09	14.34	38.45	PASS
N5	15	5	DFT-16QAM	L	Edge_1RB_Left	21.05	13.3	38.45	PASS
N5	15	5	DFT-16QAM	L	Edge_1RB_Right	20.90	13.15	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	20.46	12.71	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_Full	20.44	12.69	38.45	PASS
N5	15	5	DFT-64QAM	L	Edge_1RB_Left	20.72	12.97	38.45	PASS
N5	15	5	DFT-64QAM	L	Edge_1RB_Right	20.57	12.82	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	18.49	10.74	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_Full	18.50	10.75	38.45	PASS
N5	15	5	DFT-256QAM	L	Edge_1RB_Left	18.48	10.73	38.45	PASS
N5	15	5	DFT-256QAM	L	Edge_1RB_Right	18.32	10.57	38.45	PASS
N5	15	5	CP-QPSK	L	Outer_Full	19.96	12.21	38.45	PASS
N5	15	5	CP-QPSK	L	Inner_Full	21.45	13.7	38.45	PASS
N5	15	5	CP-QPSK	L	Edge_1RB_Left	19.95	12.2	38.45	PASS
N5	15	5	CP-QPSK	L	Edge_1RB_Right	19.86	12.11	38.45	PASS
N5	15	5	CP-16QAM	L	Outer_Full	19.89	12.14	38.45	PASS
N5	15	5	CP-16QAM	L	Inner_Full	21.04	13.29	38.45	PASS
N5	15	5	CP-16QAM	L	Edge_1RB_Left	19.89	12.14	38.45	PASS
N5	15	5	CP-16QAM	L	Edge_1RB_Right	19.75	12	38.45	PASS
N5	15	5	CP-64QAM	L	Outer_Full	19.37	11.62	38.45	PASS
N5	15	5	CP-64QAM	L	Inner_Full	19.48	11.73	38.45	PASS
N5	15	5	CP-64QAM	L	Edge_1RB_Left	19.19	11.44	38.45	PASS
N5	15	5	CP-64QAM	L	Edge_1RB_Right	19.07	11.32	38.45	PASS
N5	15	5	CP-256QAM	L	Outer_Full	16.53	8.78	38.45	PASS

N5	15	5	CP-256QAM	L	Inner_Full	16.54	8.79	38.45	PASS
N5	15	5	CP-256QAM	L	Edge_1RB_Left	16.55	8.8	38.45	PASS
N5	15	5	CP-256QAM	L	Edge_1RB_Right	16.40	8.65	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	22.34	14.59	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_Full	22.88	15.13	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Edge_1RB_Left	22.25	14.5	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Edge_1RB_Right	22.37	14.62	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	21.91	14.16	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_Full	22.95	15.2	38.45	PASS
N5	15	5	DFT-QPSK	M	Edge_1RB_Left	21.89	14.14	38.45	PASS
N5	15	5	DFT-QPSK	M	Edge_1RB_Right	22.09	14.34	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	20.89	13.14	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_Full	21.99	14.24	38.45	PASS
N5	15	5	DFT-16QAM	M	Edge_1RB_Left	20.80	13.05	38.45	PASS
N5	15	5	DFT-16QAM	M	Edge_1RB_Right	20.96	13.21	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	20.35	12.6	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_Full	20.33	12.58	38.45	PASS
N5	15	5	DFT-64QAM	M	Edge_1RB_Left	20.51	12.76	38.45	PASS
N5	15	5	DFT-64QAM	M	Edge_1RB_Right	20.71	12.96	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	18.39	10.64	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_Full	18.39	10.64	38.45	PASS
N5	15	5	DFT-256QAM	M	Edge_1RB_Left	18.31	10.56	38.45	PASS
N5	15	5	DFT-256QAM	M	Edge_1RB_Right	18.38	10.63	38.45	PASS
N5	15	5	CP-QPSK	M	Outer_Full	19.83	12.08	38.45	PASS
N5	15	5	CP-QPSK	M	Inner_Full	21.42	13.67	38.45	PASS
N5	15	5	CP-QPSK	M	Edge_1RB_Left	19.87	12.12	38.45	PASS
N5	15	5	CP-QPSK	M	Edge_1RB_Right	20.02	12.27	38.45	PASS
N5	15	5	CP-16QAM	M	Outer_Full	19.85	12.1	38.45	PASS
N5	15	5	CP-16QAM	M	Inner_Full	20.98	13.23	38.45	PASS
N5	15	5	CP-16QAM	M	Edge_1RB_Left	20.02	12.27	38.45	PASS
N5	15	5	CP-16QAM	M	Edge_1RB_Right	20.16	12.41	38.45	PASS
N5	15	5	CP-64QAM	M	Outer_Full	19.29	11.54	38.45	PASS
N5	15	5	CP-64QAM	M	Inner_Full	19.37	11.62	38.45	PASS
N5	15	5	CP-64QAM	M	Edge_1RB_Left	19.47	11.72	38.45	PASS
N5	15	5	CP-64QAM	M	Edge_1RB_Right	19.61	11.86	38.45	PASS
N5	15	5	CP-256QAM	M	Outer_Full	16.46	8.71	38.45	PASS
N5	15	5	CP-256QAM	M	Inner_Full	16.51	8.76	38.45	PASS
N5	15	5	CP-256QAM	M	Edge_1RB_Left	16.36	8.61	38.45	PASS
N5	15	5	CP-256QAM	M	Edge_1RB_Right	16.53	8.78	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	22.51	14.76	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_Full	23.07	15.32	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Edge_1RB_Left	22.50	14.75	38.45	PASS

N5	15	5	DFT-PI2BPSK	H	Edge_1RB_Right	22.54	14.79	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	22.08	14.33	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_Full	23.13	15.38	38.45	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Left	22.20	14.45	38.45	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Right	22.23	14.48	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	21.03	13.28	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_Full	22.22	14.47	38.45	PASS
N5	15	5	DFT-16QAM	H	Edge_1RB_Left	21.09	13.34	38.45	PASS
N5	15	5	DFT-16QAM	H	Edge_1RB_Right	21.09	13.34	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	20.55	12.8	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_Full	20.53	12.78	38.45	PASS
N5	15	5	DFT-64QAM	H	Edge_1RB_Left	20.78	13.03	38.45	PASS
N5	15	5	DFT-64QAM	H	Edge_1RB_Right	20.78	13.03	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	18.52	10.77	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_Full	18.60	10.85	38.45	PASS
N5	15	5	DFT-256QAM	H	Edge_1RB_Left	18.56	10.81	38.45	PASS
N5	15	5	DFT-256QAM	H	Edge_1RB_Right	18.48	10.73	38.45	PASS
N5	15	5	CP-QPSK	H	Outer_Full	20.03	12.28	38.45	PASS
N5	15	5	CP-QPSK	H	Inner_Full	21.60	13.85	38.45	PASS
N5	15	5	CP-QPSK	H	Edge_1RB_Left	20.11	12.36	38.45	PASS
N5	15	5	CP-QPSK	H	Edge_1RB_Right	20.04	12.29	38.45	PASS
N5	15	5	CP-16QAM	H	Outer_Full	20.00	12.25	38.45	PASS
N5	15	5	CP-16QAM	H	Inner_Full	21.19	13.44	38.45	PASS
N5	15	5	CP-16QAM	H	Edge_1RB_Left	20.03	12.28	38.45	PASS
N5	15	5	CP-16QAM	H	Edge_1RB_Right	19.93	12.18	38.45	PASS
N5	15	5	CP-64QAM	H	Outer_Full	19.46	11.71	38.45	PASS
N5	15	5	CP-64QAM	H	Inner_Full	19.57	11.82	38.45	PASS
N5	15	5	CP-64QAM	H	Edge_1RB_Left	19.36	11.61	38.45	PASS
N5	15	5	CP-64QAM	H	Edge_1RB_Right	19.23	11.48	38.45	PASS
N5	15	5	CP-256QAM	H	Outer_Full	16.68	8.93	38.45	PASS
N5	15	5	CP-256QAM	H	Inner_Full	16.72	8.97	38.45	PASS
N5	15	5	CP-256QAM	H	Edge_1RB_Left	16.70	8.95	38.45	PASS
N5	15	5	CP-256QAM	H	Edge_1RB_Right	16.69	8.94	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	22.25	14.5	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_Full	22.79	15.04	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Edge_1RB_Left	22.28	14.53	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Edge_1RB_Right	22.11	14.36	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	21.79	14.04	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_Full	22.76	15.01	38.45	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Left	21.91	14.16	38.45	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Right	21.78	14.03	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	20.78	13.03	38.45	PASS

N5	15	10	DFT-16QAM	L	Inner_Full	21.73	13.98	38.45	PASS
N5	15	10	DFT-16QAM	L	Edge_1RB_Left	20.88	13.13	38.45	PASS
N5	15	10	DFT-16QAM	L	Edge_1RB_Right	20.66	12.91	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	20.23	12.48	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_Full	20.26	12.51	38.45	PASS
N5	15	10	DFT-64QAM	L	Edge_1RB_Left	20.55	12.8	38.45	PASS
N5	15	10	DFT-64QAM	L	Edge_1RB_Right	20.36	12.61	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	18.23	10.48	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_Full	18.28	10.53	38.45	PASS
N5	15	10	DFT-256QAM	L	Edge_1RB_Left	18.28	10.53	38.45	PASS
N5	15	10	DFT-256QAM	L	Edge_1RB_Right	18.09	10.34	38.45	PASS
N5	15	10	CP-QPSK	L	Outer_Full	19.75	12	38.45	PASS
N5	15	10	CP-QPSK	L	Inner_Full	21.28	13.53	38.45	PASS
N5	15	10	CP-QPSK	L	Edge_1RB_Left	19.74	11.99	38.45	PASS
N5	15	10	CP-QPSK	L	Edge_1RB_Right	19.60	11.85	38.45	PASS
N5	15	10	CP-16QAM	L	Outer_Full	19.81	12.06	38.45	PASS
N5	15	10	CP-16QAM	L	Inner_Full	20.74	12.99	38.45	PASS
N5	15	10	CP-16QAM	L	Edge_1RB_Left	19.76	12.01	38.45	PASS
N5	15	10	CP-16QAM	L	Edge_1RB_Right	19.58	11.83	38.45	PASS
N5	15	10	CP-64QAM	L	Outer_Full	19.26	11.51	38.45	PASS
N5	15	10	CP-64QAM	L	Inner_Full	19.17	11.42	38.45	PASS
N5	15	10	CP-64QAM	L	Edge_1RB_Left	19.02	11.27	38.45	PASS
N5	15	10	CP-64QAM	L	Edge_1RB_Right	18.73	10.98	38.45	PASS
N5	15	10	CP-256QAM	L	Outer_Full	16.33	8.58	38.45	PASS
N5	15	10	CP-256QAM	L	Inner_Full	16.42	8.67	38.45	PASS
N5	15	10	CP-256QAM	L	Edge_1RB_Left	16.43	8.68	38.45	PASS
N5	15	10	CP-256QAM	L	Edge_1RB_Right	16.22	8.47	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	22.28	14.53	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_Full	22.77	15.02	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Edge_1RB_Left	22.15	14.4	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Edge_1RB_Right	22.31	14.56	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	21.81	14.06	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_Full	22.87	15.12	38.45	PASS
N5	15	10	DFT-QPSK	M	Edge_1RB_Left	21.75	14	38.45	PASS
N5	15	10	DFT-QPSK	M	Edge_1RB_Right	21.98	14.23	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	20.74	12.99	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_Full	21.76	14.01	38.45	PASS
N5	15	10	DFT-16QAM	M	Edge_1RB_Left	20.63	12.88	38.45	PASS
N5	15	10	DFT-16QAM	M	Edge_1RB_Right	20.94	13.19	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	20.26	12.51	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_Full	20.32	12.57	38.45	PASS
N5	15	10	DFT-64QAM	M	Edge_1RB_Left	20.40	12.65	38.45	PASS

N5	15	10	DFT-64QAM	M	Edge_1RB_Right	20.56	12.81	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	18.22	10.47	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_Full	18.32	10.57	38.45	PASS
N5	15	10	DFT-256QAM	M	Edge_1RB_Left	18.15	10.4	38.45	PASS
N5	15	10	DFT-256QAM	M	Edge_1RB_Right	18.36	10.61	38.45	PASS
N5	15	10	CP-QPSK	M	Outer_Full	19.75	12	38.45	PASS
N5	15	10	CP-QPSK	M	Inner_Full	21.32	13.57	38.45	PASS
N5	15	10	CP-QPSK	M	Edge_1RB_Left	19.49	11.74	38.45	PASS
N5	15	10	CP-QPSK	M	Edge_1RB_Right	19.84	12.09	38.45	PASS
N5	15	10	CP-16QAM	M	Outer_Full	19.76	12.01	38.45	PASS
N5	15	10	CP-16QAM	M	Inner_Full	20.74	12.99	38.45	PASS
N5	15	10	CP-16QAM	M	Edge_1RB_Left	19.55	11.8	38.45	PASS
N5	15	10	CP-16QAM	M	Edge_1RB_Right	19.78	12.03	38.45	PASS
N5	15	10	CP-64QAM	M	Outer_Full	19.29	11.54	38.45	PASS
N5	15	10	CP-64QAM	M	Inner_Full	19.26	11.51	38.45	PASS
N5	15	10	CP-64QAM	M	Edge_1RB_Left	18.87	11.12	38.45	PASS
N5	15	10	CP-64QAM	M	Edge_1RB_Right	19.03	11.28	38.45	PASS
N5	15	10	CP-256QAM	M	Outer_Full	16.31	8.56	38.45	PASS
N5	15	10	CP-256QAM	M	Inner_Full	16.35	8.6	38.45	PASS
N5	15	10	CP-256QAM	M	Edge_1RB_Left	16.23	8.48	38.45	PASS
N5	15	10	CP-256QAM	M	Edge_1RB_Right	16.50	8.75	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	22.38	14.63	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_Full	23.03	15.28	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Edge_1RB_Left	22.29	14.54	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Edge_1RB_Right	22.34	14.59	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	21.93	14.18	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_Full	23.00	15.25	38.45	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Left	21.92	14.17	38.45	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Right	22.06	14.31	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	20.95	13.2	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_Full	21.95	14.2	38.45	PASS
N5	15	10	DFT-16QAM	H	Edge_1RB_Left	20.84	13.09	38.45	PASS
N5	15	10	DFT-16QAM	H	Edge_1RB_Right	20.96	13.21	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	20.42	12.67	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_Full	20.45	12.7	38.45	PASS
N5	15	10	DFT-64QAM	H	Edge_1RB_Left	20.49	12.74	38.45	PASS
N5	15	10	DFT-64QAM	H	Edge_1RB_Right	20.60	12.85	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	18.38	10.63	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_Full	18.44	10.69	38.45	PASS
N5	15	10	DFT-256QAM	H	Edge_1RB_Left	18.28	10.53	38.45	PASS
N5	15	10	DFT-256QAM	H	Edge_1RB_Right	18.38	10.63	38.45	PASS
N5	15	10	CP-QPSK	H	Outer_Full	19.89	12.14	38.45	PASS

N5	15	10	CP-QPSK	H	Inner_Full	21.48	13.73	38.45	PASS
N5	15	10	CP-QPSK	H	Edge_1RB_Left	19.70	11.95	38.45	PASS
N5	15	10	CP-QPSK	H	Edge_1RB_Right	19.89	12.14	38.45	PASS
N5	15	10	CP-16QAM	H	Outer_Full	19.99	12.24	38.45	PASS
N5	15	10	CP-16QAM	H	Inner_Full	20.93	13.18	38.45	PASS
N5	15	10	CP-16QAM	H	Edge_1RB_Left	19.70	11.95	38.45	PASS
N5	15	10	CP-16QAM	H	Edge_1RB_Right	19.85	12.1	38.45	PASS
N5	15	10	CP-64QAM	H	Outer_Full	19.40	11.65	38.45	PASS
N5	15	10	CP-64QAM	H	Inner_Full	19.45	11.7	38.45	PASS
N5	15	10	CP-64QAM	H	Edge_1RB_Left	18.98	11.23	38.45	PASS
N5	15	10	CP-64QAM	H	Edge_1RB_Right	19.15	11.4	38.45	PASS
N5	15	10	CP-256QAM	H	Outer_Full	16.55	8.8	38.45	PASS
N5	15	10	CP-256QAM	H	Inner_Full	16.61	8.86	38.45	PASS
N5	15	10	CP-256QAM	H	Edge_1RB_Left	16.30	8.55	38.45	PASS
N5	15	10	CP-256QAM	H	Edge_1RB_Right	16.47	8.72	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	22.40	14.65	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_Full	22.86	15.11	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Edge_1RB_Left	22.44	14.69	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Edge_1RB_Right	22.36	14.61	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	21.90	14.15	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_Full	22.94	15.19	38.45	PASS
N5	15	15	DFT-QPSK	L	Edge_1RB_Left	22.09	14.34	38.45	PASS
N5	15	15	DFT-QPSK	L	Edge_1RB_Right	22.03	14.28	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	20.83	13.08	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_Full	21.97	14.22	38.45	PASS
N5	15	15	DFT-16QAM	L	Edge_1RB_Left	21.06	13.31	38.45	PASS
N5	15	15	DFT-16QAM	L	Edge_1RB_Right	20.99	13.24	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	20.43	12.68	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_Full	20.41	12.66	38.45	PASS
N5	15	15	DFT-64QAM	L	Edge_1RB_Left	20.74	12.99	38.45	PASS
N5	15	15	DFT-64QAM	L	Edge_1RB_Right	20.64	12.89	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	18.33	10.58	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_Full	18.41	10.66	38.45	PASS
N5	15	15	DFT-256QAM	L	Edge_1RB_Left	18.45	10.7	38.45	PASS
N5	15	15	DFT-256QAM	L	Edge_1RB_Right	18.32	10.57	38.45	PASS
N5	15	15	CP-QPSK	L	Outer_Full	19.85	12.1	38.45	PASS
N5	15	15	CP-QPSK	L	Inner_Full	21.36	13.61	38.45	PASS
N5	15	15	CP-QPSK	L	Edge_1RB_Left	19.92	12.17	38.45	PASS
N5	15	15	CP-QPSK	L	Edge_1RB_Right	19.90	12.15	38.45	PASS
N5	15	15	CP-16QAM	L	Outer_Full	19.83	12.08	38.45	PASS
N5	15	15	CP-16QAM	L	Inner_Full	20.87	13.12	38.45	PASS
N5	15	15	CP-16QAM	L	Edge_1RB_Left	19.87	12.12	38.45	PASS



N5	15	15	CP-16QAM	L	Edge_1RB_Right	19.75	12	38.45	PASS
N5	15	15	CP-64QAM	L	Outer_Full	19.30	11.55	38.45	PASS
N5	15	15	CP-64QAM	L	Inner_Full	19.28	11.53	38.45	PASS
N5	15	15	CP-64QAM	L	Edge_1RB_Left	19.12	11.37	38.45	PASS
N5	15	15	CP-64QAM	L	Edge_1RB_Right	19.09	11.34	38.45	PASS
N5	15	15	CP-256QAM	L	Outer_Full	16.37	8.62	38.45	PASS
N5	15	15	CP-256QAM	L	Inner_Full	16.45	8.7	38.45	PASS
N5	15	15	CP-256QAM	L	Edge_1RB_Left	16.57	8.82	38.45	PASS
N5	15	15	CP-256QAM	L	Edge_1RB_Right	16.42	8.67	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	22.47	14.72	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_Full	23.01	15.26	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Edge_1RB_Left	22.26	14.51	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Edge_1RB_Right	22.50	14.75	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	22.05	14.3	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_Full	22.95	15.2	38.45	PASS
N5	15	15	DFT-QPSK	M	Edge_1RB_Left	21.94	14.19	38.45	PASS
N5	15	15	DFT-QPSK	M	Edge_1RB_Right	22.19	14.44	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	20.99	13.24	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_Full	22.01	14.26	38.45	PASS
N5	15	15	DFT-16QAM	M	Edge_1RB_Left	20.85	13.1	38.45	PASS
N5	15	15	DFT-16QAM	M	Edge_1RB_Right	21.11	13.36	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	20.43	12.68	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_Full	20.47	12.72	38.45	PASS
N5	15	15	DFT-64QAM	M	Edge_1RB_Left	20.54	12.79	38.45	PASS
N5	15	15	DFT-64QAM	M	Edge_1RB_Right	20.83	13.08	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	18.45	10.7	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_Full	18.38	10.63	38.45	PASS
N5	15	15	DFT-256QAM	M	Edge_1RB_Left	18.30	10.55	38.45	PASS
N5	15	15	DFT-256QAM	M	Edge_1RB_Right	18.53	10.78	38.45	PASS
N5	15	15	CP-QPSK	M	Outer_Full	19.94	12.19	38.45	PASS
N5	15	15	CP-QPSK	M	Inner_Full	21.40	13.65	38.45	PASS
N5	15	15	CP-QPSK	M	Edge_1RB_Left	19.67	11.92	38.45	PASS
N5	15	15	CP-QPSK	M	Edge_1RB_Right	20.08	12.33	38.45	PASS
N5	15	15	CP-16QAM	M	Outer_Full	20.05	12.3	38.45	PASS
N5	15	15	CP-16QAM	M	Inner_Full	21.01	13.26	38.45	PASS
N5	15	15	CP-16QAM	M	Edge_1RB_Left	19.68	11.93	38.45	PASS
N5	15	15	CP-16QAM	M	Edge_1RB_Right	19.97	12.22	38.45	PASS
N5	15	15	CP-64QAM	M	Outer_Full	19.39	11.64	38.45	PASS
N5	15	15	CP-64QAM	M	Inner_Full	19.47	11.72	38.45	PASS
N5	15	15	CP-64QAM	M	Edge_1RB_Left	18.99	11.24	38.45	PASS
N5	15	15	CP-64QAM	M	Edge_1RB_Right	19.24	11.49	38.45	PASS
N5	15	15	CP-256QAM	M	Outer_Full	16.55	8.8	38.45	PASS

N5	15	15	CP-256QAM	M	Inner_Full	16.49	8.74	38.45	PASS
N5	15	15	CP-256QAM	M	Edge_1RB_Left	16.37	8.62	38.45	PASS
N5	15	15	CP-256QAM	M	Edge_1RB_Right	16.64	8.89	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	22.59	14.84	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_Full	23.11	15.36	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Edge_1RB_Left	22.28	14.53	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Edge_1RB_Right	22.57	14.82	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	22.16	14.41	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_Full	23.15	15.4	38.45	PASS
N5	15	15	DFT-QPSK	H	Edge_1RB_Left	21.91	14.16	38.45	PASS
N5	15	15	DFT-QPSK	H	Edge_1RB_Right	22.17	14.42	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	21.13	13.38	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_Full	22.20	14.45	38.45	PASS
N5	15	15	DFT-16QAM	H	Edge_1RB_Left	20.92	13.17	38.45	PASS
N5	15	15	DFT-16QAM	H	Edge_1RB_Right	21.13	13.38	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	20.70	12.95	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_Full	20.62	12.87	38.45	PASS
N5	15	15	DFT-64QAM	H	Edge_1RB_Left	20.60	12.85	38.45	PASS
N5	15	15	DFT-64QAM	H	Edge_1RB_Right	20.77	13.02	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	18.65	10.9	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_Full	18.51	10.76	38.45	PASS
N5	15	15	DFT-256QAM	H	Edge_1RB_Left	18.26	10.51	38.45	PASS
N5	15	15	DFT-256QAM	H	Edge_1RB_Right	18.54	10.79	38.45	PASS
N5	15	15	CP-QPSK	H	Outer_Full	20.15	12.4	38.45	PASS
N5	15	15	CP-QPSK	H	Inner_Full	21.61	13.86	38.45	PASS
N5	15	15	CP-QPSK	H	Edge_1RB_Left	19.75	12	38.45	PASS
N5	15	15	CP-QPSK	H	Edge_1RB_Right	19.92	12.17	38.45	PASS
N5	15	15	CP-16QAM	H	Outer_Full	20.12	12.37	38.45	PASS
N5	15	15	CP-16QAM	H	Inner_Full	21.17	13.42	38.45	PASS
N5	15	15	CP-16QAM	H	Edge_1RB_Left	19.72	11.97	38.45	PASS
N5	15	15	CP-16QAM	H	Edge_1RB_Right	20.02	12.27	38.45	PASS
N5	15	15	CP-64QAM	H	Outer_Full	19.57	11.82	38.45	PASS
N5	15	15	CP-64QAM	H	Inner_Full	19.59	11.84	38.45	PASS
N5	15	15	CP-64QAM	H	Edge_1RB_Left	18.97	11.22	38.45	PASS
N5	15	15	CP-64QAM	H	Edge_1RB_Right	19.24	11.49	38.45	PASS
N5	15	15	CP-256QAM	H	Outer_Full	16.70	8.95	38.45	PASS
N5	15	15	CP-256QAM	H	Inner_Full	16.70	8.95	38.45	PASS
N5	15	15	CP-256QAM	H	Edge_1RB_Left	16.43	8.68	38.45	PASS
N5	15	15	CP-256QAM	H	Edge_1RB_Right	16.62	8.87	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	22.37	14.62	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_Full	22.93	15.18	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Edge_1RB_Left	22.43	14.68	38.45	PASS

N5	15	20	DFT-PI2BPSK	L	Edge_1RB_Right	22.56	14.81	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	21.94	14.19	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_Full	22.98	15.23	38.45	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	22.10	14.35	38.45	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Right	22.17	14.42	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	20.88	13.13	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_Full	21.95	14.2	38.45	PASS
N5	15	20	DFT-16QAM	L	Edge_1RB_Left	21.05	13.3	38.45	PASS
N5	15	20	DFT-16QAM	L	Edge_1RB_Right	21.10	13.35	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	20.36	12.61	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_Full	20.43	12.68	38.45	PASS
N5	15	20	DFT-64QAM	L	Edge_1RB_Left	20.64	12.89	38.45	PASS
N5	15	20	DFT-64QAM	L	Edge_1RB_Right	20.86	13.11	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	18.33	10.58	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_Full	18.36	10.61	38.45	PASS
N5	15	20	DFT-256QAM	L	Edge_1RB_Left	18.41	10.66	38.45	PASS
N5	15	20	DFT-256QAM	L	Edge_1RB_Right	18.55	10.8	38.45	PASS
N5	15	20	CP-QPSK	L	Outer_Full	19.80	12.05	38.45	PASS
N5	15	20	CP-QPSK	L	Inner_Full	21.36	13.61	38.45	PASS
N5	15	20	CP-QPSK	L	Edge_1RB_Left	19.92	12.17	38.45	PASS
N5	15	20	CP-QPSK	L	Edge_1RB_Right	20.03	12.28	38.45	PASS
N5	15	20	CP-16QAM	L	Outer_Full	19.85	12.1	38.45	PASS
N5	15	20	CP-16QAM	L	Inner_Full	20.90	13.15	38.45	PASS
N5	15	20	CP-16QAM	L	Edge_1RB_Left	19.89	12.14	38.45	PASS
N5	15	20	CP-16QAM	L	Edge_1RB_Right	19.99	12.24	38.45	PASS
N5	15	20	CP-64QAM	L	Outer_Full	19.33	11.58	38.45	PASS
N5	15	20	CP-64QAM	L	Inner_Full	19.38	11.63	38.45	PASS
N5	15	20	CP-64QAM	L	Edge_1RB_Left	19.14	11.39	38.45	PASS
N5	15	20	CP-64QAM	L	Edge_1RB_Right	19.26	11.51	38.45	PASS
N5	15	20	CP-256QAM	L	Outer_Full	16.43	8.68	38.45	PASS
N5	15	20	CP-256QAM	L	Inner_Full	16.53	8.78	38.45	PASS
N5	15	20	CP-256QAM	L	Edge_1RB_Left	16.55	8.8	38.45	PASS
N5	15	20	CP-256QAM	L	Edge_1RB_Right	16.62	8.87	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	22.57	14.82	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_Full	23.02	15.27	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Edge_1RB_Left	22.43	14.68	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Edge_1RB_Right	22.58	14.83	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	22.04	14.29	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_Full	23.07	15.32	38.45	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Left	22.06	14.31	38.45	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Right	22.25	14.5	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	21.05	13.3	38.45	PASS

N5	15	20	DFT-16QAM	M	Inner_Full	22.14	14.39	38.45	PASS
N5	15	20	DFT-16QAM	M	Edge_1RB_Left	21.03	13.28	38.45	PASS
N5	15	20	DFT-16QAM	M	Edge_1RB_Right	21.21	13.46	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	20.52	12.77	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_Full	20.54	12.79	38.45	PASS
N5	15	20	DFT-64QAM	M	Edge_1RB_Left	20.67	12.92	38.45	PASS
N5	15	20	DFT-64QAM	M	Edge_1RB_Right	20.88	13.13	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	18.42	10.67	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_Full	18.51	10.76	38.45	PASS
N5	15	20	DFT-256QAM	M	Edge_1RB_Left	18.38	10.63	38.45	PASS
N5	15	20	DFT-256QAM	M	Edge_1RB_Right	18.56	10.81	38.45	PASS
N5	15	20	CP-QPSK	M	Outer_Full	19.98	12.23	38.45	PASS
N5	15	20	CP-QPSK	M	Inner_Full	21.53	13.78	38.45	PASS
N5	15	20	CP-QPSK	M	Edge_1RB_Left	19.86	12.11	38.45	PASS
N5	15	20	CP-QPSK	M	Edge_1RB_Right	20.14	12.39	38.45	PASS
N5	15	20	CP-16QAM	M	Outer_Full	19.97	12.22	38.45	PASS
N5	15	20	CP-16QAM	M	Inner_Full	20.99	13.24	38.45	PASS
N5	15	20	CP-16QAM	M	Edge_1RB_Left	19.87	12.12	38.45	PASS
N5	15	20	CP-16QAM	M	Edge_1RB_Right	19.98	12.23	38.45	PASS
N5	15	20	CP-64QAM	M	Outer_Full	19.47	11.72	38.45	PASS
N5	15	20	CP-64QAM	M	Inner_Full	19.47	11.72	38.45	PASS
N5	15	20	CP-64QAM	M	Edge_1RB_Left	19.24	11.49	38.45	PASS
N5	15	20	CP-64QAM	M	Edge_1RB_Right	19.34	11.59	38.45	PASS
N5	15	20	CP-256QAM	M	Outer_Full	16.59	8.84	38.45	PASS
N5	15	20	CP-256QAM	M	Inner_Full	16.61	8.86	38.45	PASS
N5	15	20	CP-256QAM	M	Edge_1RB_Left	16.48	8.73	38.45	PASS
N5	15	20	CP-256QAM	M	Edge_1RB_Right	16.71	8.96	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	22.75	15	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_Full	23.16	15.41	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Edge_1RB_Left	22.28	14.53	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Edge_1RB_Right	22.55	14.8	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	22.16	14.41	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_Full	23.16	15.41	38.45	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Left	21.82	14.07	38.45	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Right	22.19	14.44	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	21.18	13.43	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_Full	22.12	14.37	38.45	PASS
N5	15	20	DFT-16QAM	H	Edge_1RB_Left	20.79	13.04	38.45	PASS
N5	15	20	DFT-16QAM	H	Edge_1RB_Right	21.15	13.4	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	20.67	12.92	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_Full	20.66	12.91	38.45	PASS
N5	15	20	DFT-64QAM	H	Edge_1RB_Left	20.55	12.8	38.45	PASS

N5	15	20	DFT-64QAM	H	Edge_1RB_Right	20.85	13.1	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	18.64	10.89	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_Full	18.60	10.85	38.45	PASS
N5	15	20	DFT-256QAM	H	Edge_1RB_Left	18.24	10.49	38.45	PASS
N5	15	20	DFT-256QAM	H	Edge_1RB_Right	18.54	10.79	38.45	PASS
N5	15	20	CP-QPSK	H	Outer_Full	20.17	12.42	38.45	PASS
N5	15	20	CP-QPSK	H	Inner_Full	21.69	13.94	38.45	PASS
N5	15	20	CP-QPSK	H	Edge_1RB_Left	19.75	12	38.45	PASS
N5	15	20	CP-QPSK	H	Edge_1RB_Right	20.02	12.27	38.45	PASS
N5	15	20	CP-16QAM	H	Outer_Full	20.18	12.43	38.45	PASS
N5	15	20	CP-16QAM	H	Inner_Full	21.10	13.35	38.45	PASS
N5	15	20	CP-16QAM	H	Edge_1RB_Left	19.74	11.99	38.45	PASS
N5	15	20	CP-16QAM	H	Edge_1RB_Right	20.06	12.31	38.45	PASS
N5	15	20	CP-64QAM	H	Outer_Full	19.69	11.94	38.45	PASS
N5	15	20	CP-64QAM	H	Inner_Full	19.62	11.87	38.45	PASS
N5	15	20	CP-64QAM	H	Edge_1RB_Left	19.01	11.26	38.45	PASS
N5	15	20	CP-64QAM	H	Edge_1RB_Right	19.29	11.54	38.45	PASS
N5	15	20	CP-256QAM	H	Outer_Full	16.76	9.01	38.45	PASS
N5	15	20	CP-256QAM	H	Inner_Full	16.75	9	38.45	PASS
N5	15	20	CP-256QAM	H	Edge_1RB_Left	16.35	8.6	38.45	PASS
N5	15	20	CP-256QAM	H	Edge_1RB_Right	16.61	8.86	38.45	PASS
N7	15	5	DFT-PI2BPSK	L	Outer_Full	22.17	21.57	33	PASS
N7	15	5	DFT-PI2BPSK	L	Inner_Full	22.56	21.96	33	PASS
N7	15	5	DFT-PI2BPSK	L	Edge_1RB_Left	22.12	21.52	33	PASS
N7	15	5	DFT-PI2BPSK	L	Edge_1RB_Right	22.10	21.5	33	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	21.62	21.02	33	PASS
N7	15	5	DFT-QPSK	L	Inner_Full	22.67	22.07	33	PASS
N7	15	5	DFT-QPSK	L	Edge_1RB_Left	21.59	20.99	33	PASS
N7	15	5	DFT-QPSK	L	Edge_1RB_Right	21.58	20.98	33	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	20.53	19.93	33	PASS
N7	15	5	DFT-16QAM	L	Inner_Full	21.73	21.13	33	PASS
N7	15	5	DFT-16QAM	L	Edge_1RB_Left	20.61	20.01	33	PASS
N7	15	5	DFT-16QAM	L	Edge_1RB_Right	20.60	20	33	PASS
N7	15	5	DFT-64QAM	L	Outer_Full	20.10	19.5	33	PASS
N7	15	5	DFT-64QAM	L	Inner_Full	20.06	19.46	33	PASS
N7	15	5	DFT-64QAM	L	Edge_1RB_Left	20.32	19.72	33	PASS
N7	15	5	DFT-64QAM	L	Edge_1RB_Right	20.38	19.78	33	PASS
N7	15	5	DFT-256QAM	L	Outer_Full	18.12	17.52	33	PASS
N7	15	5	DFT-256QAM	L	Inner_Full	18.13	17.53	33	PASS
N7	15	5	DFT-256QAM	L	Edge_1RB_Left	18.08	17.48	33	PASS
N7	15	5	DFT-256QAM	L	Edge_1RB_Right	18.12	17.52	33	PASS
N7	15	5	CP-QPSK	L	Outer_Full	19.58	18.98	33	PASS

N7	15	5	CP-QPSK	L	Inner_Full	21.14	20.54	33	PASS
N7	15	5	CP-QPSK	L	Edge_1RB_Left	19.58	18.98	33	PASS
N7	15	5	CP-QPSK	L	Edge_1RB_Right	19.66	19.06	33	PASS
N7	15	5	CP-16QAM	L	Outer_Full	19.57	18.97	33	PASS
N7	15	5	CP-16QAM	L	Inner_Full	20.67	20.07	33	PASS
N7	15	5	CP-16QAM	L	Edge_1RB_Left	19.50	18.9	33	PASS
N7	15	5	CP-16QAM	L	Edge_1RB_Right	19.56	18.96	33	PASS
N7	15	5	CP-64QAM	L	Outer_Full	19.03	18.43	33	PASS
N7	15	5	CP-64QAM	L	Inner_Full	19.09	18.49	33	PASS
N7	15	5	CP-64QAM	L	Edge_1RB_Left	18.83	18.23	33	PASS
N7	15	5	CP-64QAM	L	Edge_1RB_Right	18.88	18.28	33	PASS
N7	15	5	CP-256QAM	L	Outer_Full	16.09	15.49	33	PASS
N7	15	5	CP-256QAM	L	Inner_Full	16.13	15.53	33	PASS
N7	15	5	CP-256QAM	L	Edge_1RB_Left	16.02	15.42	33	PASS
N7	15	5	CP-256QAM	L	Edge_1RB_Right	15.97	15.37	33	PASS
N7	15	5	DFT-PI2BPSK	M	Outer_Full	22.38	21.78	33	PASS
N7	15	5	DFT-PI2BPSK	M	Inner_Full	22.93	22.33	33	PASS
N7	15	5	DFT-PI2BPSK	M	Edge_1RB_Left	22.42	21.82	33	PASS
N7	15	5	DFT-PI2BPSK	M	Edge_1RB_Right	22.37	21.77	33	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	21.90	21.3	33	PASS
N7	15	5	DFT-QPSK	M	Inner_Full	22.96	22.36	33	PASS
N7	15	5	DFT-QPSK	M	Edge_1RB_Left	21.86	21.26	33	PASS
N7	15	5	DFT-QPSK	M	Edge_1RB_Right	21.84	21.24	33	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	20.77	20.17	33	PASS
N7	15	5	DFT-16QAM	M	Inner_Full	21.99	21.39	33	PASS
N7	15	5	DFT-16QAM	M	Edge_1RB_Left	20.89	20.29	33	PASS
N7	15	5	DFT-16QAM	M	Edge_1RB_Right	20.90	20.3	33	PASS
N7	15	5	DFT-64QAM	M	Outer_Full	20.37	19.77	33	PASS
N7	15	5	DFT-64QAM	M	Inner_Full	20.39	19.79	33	PASS
N7	15	5	DFT-64QAM	M	Edge_1RB_Left	20.68	20.08	33	PASS
N7	15	5	DFT-64QAM	M	Edge_1RB_Right	20.63	20.03	33	PASS
N7	15	5	DFT-256QAM	M	Outer_Full	18.34	17.74	33	PASS
N7	15	5	DFT-256QAM	M	Inner_Full	18.37	17.77	33	PASS
N7	15	5	DFT-256QAM	M	Edge_1RB_Left	18.32	17.72	33	PASS
N7	15	5	DFT-256QAM	M	Edge_1RB_Right	18.26	17.66	33	PASS
N7	15	5	CP-QPSK	M	Outer_Full	19.82	19.22	33	PASS
N7	15	5	CP-QPSK	M	Inner_Full	21.34	20.74	33	PASS
N7	15	5	CP-QPSK	M	Edge_1RB_Left	19.85	19.25	33	PASS
N7	15	5	CP-QPSK	M	Edge_1RB_Right	19.79	19.19	33	PASS
N7	15	5	CP-16QAM	M	Outer_Full	19.78	19.18	33	PASS
N7	15	5	CP-16QAM	M	Inner_Full	20.93	20.33	33	PASS
N7	15	5	CP-16QAM	M	Edge_1RB_Left	19.82	19.22	33	PASS

N7	15	5	CP-16QAM	M	Edge_1RB_Right	19.85	19.25	33	PASS
N7	15	5	CP-64QAM	M	Outer_Full	19.29	18.69	33	PASS
N7	15	5	CP-64QAM	M	Inner_Full	19.31	18.71	33	PASS
N7	15	5	CP-64QAM	M	Edge_1RB_Left	19.11	18.51	33	PASS
N7	15	5	CP-64QAM	M	Edge_1RB_Right	19.20	18.6	33	PASS
N7	15	5	CP-256QAM	M	Outer_Full	16.29	15.69	33	PASS
N7	15	5	CP-256QAM	M	Inner_Full	16.34	15.74	33	PASS
N7	15	5	CP-256QAM	M	Edge_1RB_Left	16.32	15.72	33	PASS
N7	15	5	CP-256QAM	M	Edge_1RB_Right	16.33	15.73	33	PASS
N7	15	5	DFT-PI2BPSK	H	Outer_Full	22.42	21.82	33	PASS
N7	15	5	DFT-PI2BPSK	H	Inner_Full	22.94	22.34	33	PASS
N7	15	5	DFT-PI2BPSK	H	Edge_1RB_Left	22.40	21.8	33	PASS
N7	15	5	DFT-PI2BPSK	H	Edge_1RB_Right	22.41	21.81	33	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	21.93	21.33	33	PASS
N7	15	5	DFT-QPSK	H	Inner_Full	23.00	22.4	33	PASS
N7	15	5	DFT-QPSK	H	Edge_1RB_Left	21.90	21.3	33	PASS
N7	15	5	DFT-QPSK	H	Edge_1RB_Right	22.03	21.43	33	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	20.93	20.33	33	PASS
N7	15	5	DFT-16QAM	H	Inner_Full	22.03	21.43	33	PASS
N7	15	5	DFT-16QAM	H	Edge_1RB_Left	20.87	20.27	33	PASS
N7	15	5	DFT-16QAM	H	Edge_1RB_Right	20.93	20.33	33	PASS
N7	15	5	DFT-64QAM	H	Outer_Full	20.42	19.82	33	PASS
N7	15	5	DFT-64QAM	H	Inner_Full	20.43	19.83	33	PASS
N7	15	5	DFT-64QAM	H	Edge_1RB_Left	20.64	20.04	33	PASS
N7	15	5	DFT-64QAM	H	Edge_1RB_Right	20.62	20.02	33	PASS
N7	15	5	DFT-256QAM	H	Outer_Full	18.41	17.81	33	PASS
N7	15	5	DFT-256QAM	H	Inner_Full	18.51	17.91	33	PASS
N7	15	5	DFT-256QAM	H	Edge_1RB_Left	18.42	17.82	33	PASS
N7	15	5	DFT-256QAM	H	Edge_1RB_Right	18.32	17.72	33	PASS
N7	15	5	CP-QPSK	H	Outer_Full	19.94	19.34	33	PASS
N7	15	5	CP-QPSK	H	Inner_Full	21.41	20.81	33	PASS
N7	15	5	CP-QPSK	H	Edge_1RB_Left	19.86	19.26	33	PASS
N7	15	5	CP-QPSK	H	Edge_1RB_Right	19.91	19.31	33	PASS
N7	15	5	CP-16QAM	H	Outer_Full	19.94	19.34	33	PASS
N7	15	5	CP-16QAM	H	Inner_Full	20.97	20.37	33	PASS
N7	15	5	CP-16QAM	H	Edge_1RB_Left	19.73	19.13	33	PASS
N7	15	5	CP-16QAM	H	Edge_1RB_Right	19.82	19.22	33	PASS
N7	15	5	CP-64QAM	H	Outer_Full	19.33	18.73	33	PASS
N7	15	5	CP-64QAM	H	Inner_Full	19.37	18.77	33	PASS
N7	15	5	CP-64QAM	H	Edge_1RB_Left	19.08	18.48	33	PASS
N7	15	5	CP-64QAM	H	Edge_1RB_Right	19.13	18.53	33	PASS
N7	15	5	CP-256QAM	H	Outer_Full	16.44	15.84	33	PASS

N7	15	5	CP-256QAM	H	Inner_Full	16.43	15.83	33	PASS
N7	15	5	CP-256QAM	H	Edge_1RB_Left	16.34	15.74	33	PASS
N7	15	5	CP-256QAM	H	Edge_1RB_Right	16.43	15.83	33	PASS
N7	15	10	DFT-PI2BPSK	L	Outer_Full	22.10	21.5	33	PASS
N7	15	10	DFT-PI2BPSK	L	Inner_Full	22.53	21.93	33	PASS
N7	15	10	DFT-PI2BPSK	L	Edge_1RB_Left	21.92	21.32	33	PASS
N7	15	10	DFT-PI2BPSK	L	Edge_1RB_Right	22.04	21.44	33	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	21.47	20.87	33	PASS
N7	15	10	DFT-QPSK	L	Inner_Full	22.54	21.94	33	PASS
N7	15	10	DFT-QPSK	L	Edge_1RB_Left	21.41	20.81	33	PASS
N7	15	10	DFT-QPSK	L	Edge_1RB_Right	21.54	20.94	33	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	20.52	19.92	33	PASS
N7	15	10	DFT-16QAM	L	Inner_Full	21.50	20.9	33	PASS
N7	15	10	DFT-16QAM	L	Edge_1RB_Left	20.40	19.8	33	PASS
N7	15	10	DFT-16QAM	L	Edge_1RB_Right	20.51	19.91	33	PASS
N7	15	10	DFT-64QAM	L	Outer_Full	20.06	19.46	33	PASS
N7	15	10	DFT-64QAM	L	Inner_Full	20.00	19.4	33	PASS
N7	15	10	DFT-64QAM	L	Edge_1RB_Left	20.21	19.61	33	PASS
N7	15	10	DFT-64QAM	L	Edge_1RB_Right	20.23	19.63	33	PASS
N7	15	10	DFT-256QAM	L	Outer_Full	17.99	17.39	33	PASS
N7	15	10	DFT-256QAM	L	Inner_Full	18.03	17.43	33	PASS
N7	15	10	DFT-256QAM	L	Edge_1RB_Left	17.93	17.33	33	PASS
N7	15	10	DFT-256QAM	L	Edge_1RB_Right	18.03	17.43	33	PASS
N7	15	10	CP-QPSK	L	Outer_Full	19.53	18.93	33	PASS
N7	15	10	CP-QPSK	L	Inner_Full	21.07	20.47	33	PASS
N7	15	10	CP-QPSK	L	Edge_1RB_Left	19.36	18.76	33	PASS
N7	15	10	CP-QPSK	L	Edge_1RB_Right	19.47	18.87	33	PASS
N7	15	10	CP-16QAM	L	Outer_Full	19.48	18.88	33	PASS
N7	15	10	CP-16QAM	L	Inner_Full	20.47	19.87	33	PASS
N7	15	10	CP-16QAM	L	Edge_1RB_Left	19.28	18.68	33	PASS
N7	15	10	CP-16QAM	L	Edge_1RB_Right	19.38	18.78	33	PASS
N7	15	10	CP-64QAM	L	Outer_Full	19.01	18.41	33	PASS
N7	15	10	CP-64QAM	L	Inner_Full	18.98	18.38	33	PASS
N7	15	10	CP-64QAM	L	Edge_1RB_Left	18.70	18.1	33	PASS
N7	15	10	CP-64QAM	L	Edge_1RB_Right	18.74	18.14	33	PASS
N7	15	10	CP-256QAM	L	Outer_Full	16.07	15.47	33	PASS
N7	15	10	CP-256QAM	L	Inner_Full	16.09	15.49	33	PASS
N7	15	10	CP-256QAM	L	Edge_1RB_Left	15.85	15.25	33	PASS
N7	15	10	CP-256QAM	L	Edge_1RB_Right	15.98	15.38	33	PASS
N7	15	10	DFT-PI2BPSK	M	Outer_Full	22.29	21.69	33	PASS
N7	15	10	DFT-PI2BPSK	M	Inner_Full	22.80	22.2	33	PASS
N7	15	10	DFT-PI2BPSK	M	Edge_1RB_Left	22.22	21.62	33	PASS