



SAR TEST REPORT

For

Wishtel Pvt Ltd

Tablet PC

Test Model: IRA DUO PRO 5G

Prepared for : Wishtel Pvt Ltd
Address : 4, Champaklal Industrail Estate, Sion East, Mumbai, MH - 400022 Mumbai India
Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
Address : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park
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Date of receipt of test sample : November 18, 2024
Number of tested samples : 1
Sample number : A241118064-1
Serial number : Prototype
Date of Test : November 18, 2024 ~ January 01, 2025
Date of Report : January 14, 2025



**SAR TEST REPORT**

Report Reference No.....: LCSA11054150EB

Date Of Issue: January 14, 2025

Testing Laboratory Name.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Address: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Testing Location/ Procedure: Full application of Harmonised standards ☒
Partial application of Harmonised standards ☐
Other standard testing method ☐**Applicant's Name: Wishtel Pvt Ltd**Address: 4, Champaklal Industrail Estate, Sion East, Mumbai, MH - 400022
Mumbai India**Test Specification:**

Standard.....: FCC 47CFR §2.1093, ANSI/IEEE C95.1-2019, IEEE 1528-2013

Test Report Form No.....: TRF-4-E-102 A/0

TRF Originator.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF: Dated 2014-09

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Test Item Description.: Tablet PC

Trade Mark: N/A

Model/Type Reference: IRA DUO PRO 5G

Ratings: Input: DC 5V, 2A or DC 9V, 2A
DC 3.8V by Rechargeable Li-ion Battery, 8000mAh**Result: Positive****Compiled by:**

Jay zhan

Jay Zhan/ File administrators

Supervised by:

Jack Liu

Jack Liu / Technique principal

Approved by:

Gavin Liang

Gavin Liang/ Manager



Shenzhen LCS Compliance Testing Laboratory Ltd.

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SAR -- TEST REPORT

Test Report No. :	LCSA11054150EB	<u>January 14, 2025</u> Date of issue
EUT..... : Tablet PC		
Type/Model : IRA DUO PRO 5G		
Applicant..... : Wishtel Pvt Ltd		
Address..... : 4, Champaklal Industrail Estate, Sion East, Mumbai, MH - 400022 Mumbai India		
Telephone..... : /		
Fax..... : /		
Manufacturer..... : Wishtel Pvt Ltd		
Address..... : 4, Champaklal Industrail Estate, Sion East, Mumbai, MH - 400022 Mumbai India		
Telephone..... :		
Fax..... : /		
Factory..... : Wishtel Pvt Ltd		
Address..... : 4, Champaklal Industrail Estate, Sion East, Mumbai, MH - 400022 Mumbai India		
Telephone..... : /		
Fax..... : /		

Test Result	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Revision	Issue Date	Revision Content	Revised By
000	January 14, 2025	Initial Issue	---





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1. TEST STANDARDS AND TEST DESCRIPTION

1.1. Statement of Compliance

The maximum of results of SAR found during testing for Tablet PC are follows:

<Highest Reported standalone SAR Summary>

Classment Class	Frequency Band	Antenna	Body (Report SAR1-g (W/kg))
			(Separation Distance 0mm)
PCE	WCDMA Band II	1	0.738
	WCDMA Band V	1	0.594
	LTE Band 5	1	0.662
	LTE Band 7	1	0.745
	LTE Band 38	1	0.679
	LTE Band 41	1	0.682
	5G NR Band n5	1	0.613
	5G NR Band n41	6	0.715
	5G NR Band n78	6	0.619
DTS	WIFI2.4G	7	0.685
NII	WIFI5.2G	7	0.632
	WIFI5.8G	7	0.597

Note

1) This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47CFR §2.1093 and ANSI/IEEE C95.1-2019, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013.

<Highest Reported simultaneous SAR Summary>

Exposure Position	Classment Class	Report SAR1-g (W/kg)	Highest Reported Simultaneous Transmission SAR1-g (W/kg)
Body	PCE	0.745	1.430
	DTS	0.685	





1.2. Test Location

Company: Shenzhen LCS Compliance Testing Laboratory Ltd.
Address: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
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1.3. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

Site Description
SAR Lab.

: NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.
Test Firm Registration Number: 254912.





1.4. Test Laboratory Environment

Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 Ω
Atmospheric pressure:	950-1050mbar
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	





1.5. Product Description

The **Wishtel Pvt Ltd's** Model: Tablet PC or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

EUT : Tablet PC

Test Model : IRA DUO PRO 5G

Ratings : Input: DC 5V, 2A or DC 9V, 2A
DC 3.8V by Rechargeable Li-ion Battery, 8000mAh

Hardware Version : K206PV

Software Version : /

Bluetooth :

Frequency Range : 2402MHz~2480MHz

Channel Number : 79 channels for Bluetooth V5.0 (DSS)
40 channels for Bluetooth V5.0 (DTS)

Channel Spacing : 1MHz for Bluetooth V5.0 (DSS)
2MHz for Bluetooth V5.0 (DTS)

Modulation Type : GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.0 (DSS)
GFSK for Bluetooth V5.0 (DTS)

Bluetooth Version : V5.0

Antenna Description : FPC Antenna(ANT7), 1.57dBi(Max.)

WIFI(2.4G Band) :

Frequency Range : 2412MHz~2462MHz

Channel Spacing : 5MHz

Channel Number : 11 Channels for 20MHz bandwidth (2412~2462MHz)
7 Channels for 40MHz bandwidth (2422~2452MHz)

Modulation Type : IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK)
IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)

Antenna Description : FPC Antenna(ANT7), 1.57dBi(Max.)

WIFI(5.2G Band) :

Frequency Range : 5180MHz~5240MHz

Channel Number : 4 Channels for 20MHz bandwidth(5180MHz~5240MHz)
2 channels for 40MHz bandwidth(5190MHz~5230MHz)
1 channels for 80MHz bandwidth(5210MHz)

Modulation Type : IEEE 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : FPC Antenna(ANT7), 1.27dBi(Max.)

WIFI(5.8G Band) :

Frequency Range : 5745MHz~5825MHz

Channel Number : 5 channels for 20MHz bandwidth(5745MHz~5825MHz)
2 channels for 40MHz bandwidth(5755MHz~5795MHz)
1 channels for 80MHz bandwidth(5775MHz)

Modulation Type : IEEE 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : FPC Antenna(ANT7), 1.27dBi(Max.)

3G :



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Support Band : ☒ WCDMA Band I (EU-Band)
☒ WCDMA Band II (U.S.-Band)
☒ WCDMA Band V (U.S.-Band)
☒ WCDMA Band VIII (EU-Band)
Release Version : R10
Type Of Modulation : QPSK,16QAM
Antenna Description : FPC Antenna
For WCDMA Band II 1.31dBi(ANT1)
For WCDMA Band V 0.57dBi(ANT1)

LTE

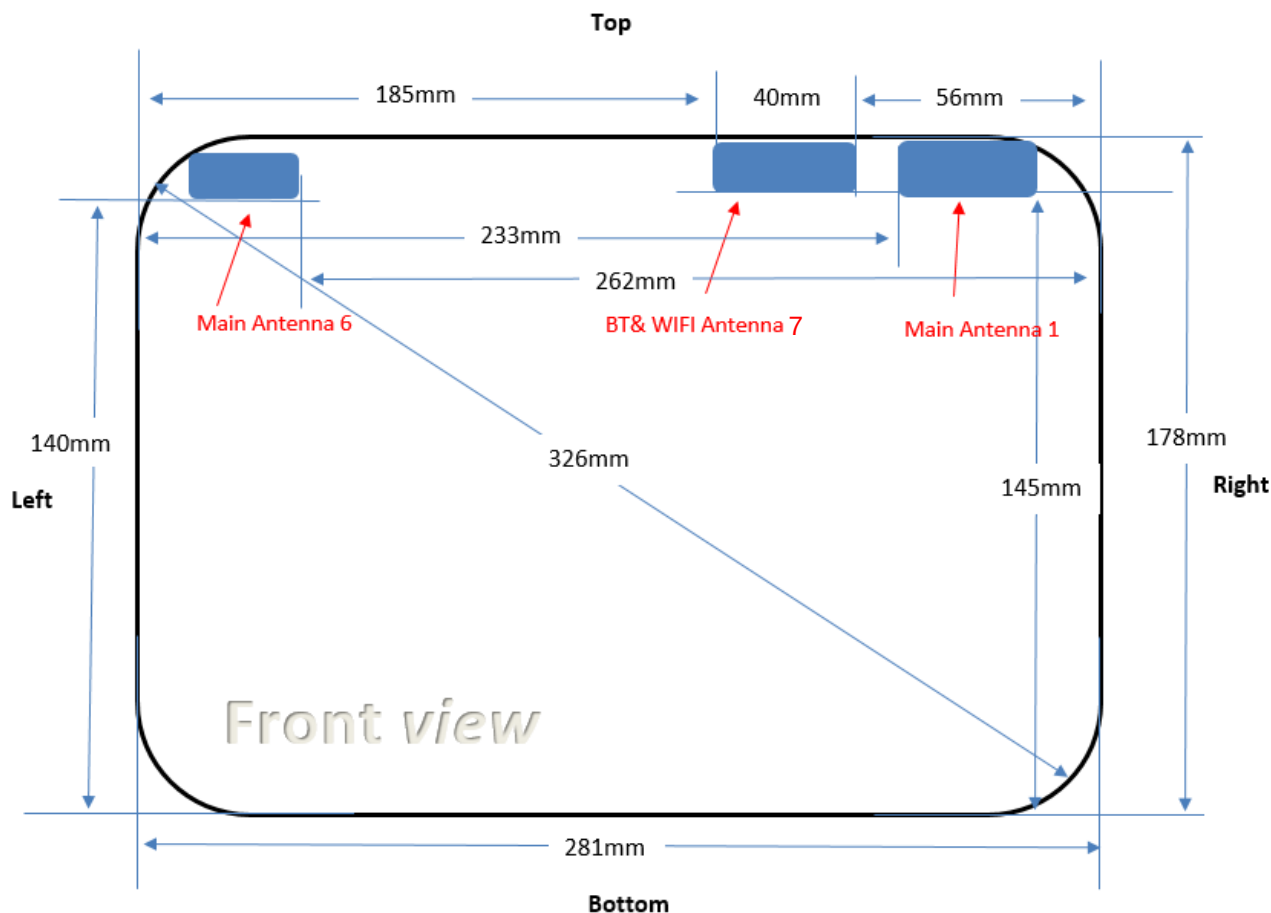
Support Band : ☒ E-UTRA Band 1(Non U.S.-Band)
☒ E-UTRA Band 3(Non U.S.-Band)
☒ E-UTRA Band 5(U.S.-Band)
☒ E-UTRA Band 7(U.S.-Band)
☒ E-UTRA Band 8(Non U.S.-Band)
☒ E-UTRA Band 34(Non U.S.-Band)
☒ E-UTRA Band 38(U.S.-Band)
☒ E-UTRA Band 39(Non U.S.-Band)
☒ E-UTRA Band 40(Non U.S.-Band)
☒ E-UTRA Band 41(U.S.-Band)
LTE Release Version : R10
Type Of Modulation : QPSK/16QAM
Antenna Description : FPC Antenna
For E-UTRA Band 5 0.57dBi(ANT1), 0.21dBi(ANT2)
For E-UTRA Band 7 1.33dBi(ANT1), 0.64dBi(ANT2)
For E-UTRA Band 38 1.33dBi(ANT1), 0.64dBi(ANT2)
For E-UTRA Band 41 1.33dBi(ANT1), 0.64dBi(ANT2)
Power Class : Class 3

NR

Operation Band : SA Band:
n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz
n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz
n5: UL: 824MHz~849MHz, DL:869MHz~894MHz
n8: UL: 880MHz~915MHz, DL: 925MHz~960MHz
n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz
n41: UL & DL: 2496MHz~2690MHz
n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type : ☒ SA
Subcarrier Spacing : 15KHz,30KHz
Modulation Type : DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM
CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths : n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz
n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz,
60 MHz, 70 MHz, 80 MHz,90 MHz, 100 MHz
n78_SCS 30kHz: 10 MHz,15 MHz,20 MHz,25MHz,30 MHz,40 MHz, 50 MHz,
60 MHz, 70 MHz,80 MHz, 90 MHz, 100 MHz
Power Class : NR Band 5/41:PC3
NR Band 78: PC2
Antenna Description : PIFA Antenna
NR Band n5: 0.57dBi(ANT1)
NR Band n41: 0.66dBi(ANT3), 0.34dBi(ANT6)
NR Band n78: 0.65dBi(ANT3), 0.35dBi(ANT6)
GPS function : Support and only RX



1.6. DUT Antenna Locations(Front View)



Antenna 1	WCDMA B1/B2/B5B8(TX+PRX), LTE B1/B3/B5/B7/B8/B34/B38/B39/B40/B41(TX+PRX), NR n1/n5/n8/n28(TX+PRX)
Antenna 2	LTE B1/B3/B5/B8/B34/B39/B40 DRX, NR n1/n8/n28 DRX
Antenna 3	NR n1/n41/n78 PRX
Antenna 4	NR n41/n78 DRX
Antenna 5	NR n1/n41/n78 PRX
Antenna 6	NR n41/n78 TX
Antenna 7	WIFI TX, BT

Distance from the antenna to the EUT edge(mm)						
ANT	Front	Back	Left	Right	Top	Bottom
MAIN ANT1	5	5	233	5	5	145
MAIN ANT6	5	5	5	262	5	140
WIFI&BT ANT7	5	5	185	56	5	145

Note:

Per KDB 616217, the diagonal length is > 200mm, the device is considered a "Remote control unit" device and needed to test 0mm 1-g body SAR.





1.7. Test Specification

Identity	Document Title
FCC 47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
ANSI/IEEE C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.
IEEE 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB 941225 D01	3G SAR Measurement Procedures v03r01
KDB 941225 D05	SAR for LTE Devices v02r05
KDB 941225 D06	Hotspot Mode SAR v02r01
KDB 248227 D01	SAR Guidance for IEEE 802.11 Wi-Fi SAR v02r02
KDB 447498 D01	General RF Exposure Guidance v06
KDB 865664 D01	SAR Measurement 100 MHz to 6 GHz v01r04
KDB 865664 D02	RF Exposure Reporting v01r02
KDB 690783 D01	SAR Listings on Grants v01r03





1.8. RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR* (Brain*Trunk)	1.60 mW/g	8.00 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g	0.40 mW/g
Spatial Peak SAR*** (Hands/Feet/Ankle/Wrist)	4.00 mW/g	20.00 mW/g

Notes:

* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time

** The Spatial Average value of the SAR averaged over the whole body.

*** The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation.)





1.9. Equipment list

Test Platform		SPEAG DASY5 Professional				
Description		SAR Test System (Frequency range 300MHz-6GHz)				
Software Reference		DASY52; SEMCAD X				
Hardware Reference						
Equipment		Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration
☒	PC	Lenovo	NA	NA	NA ¹	NA ¹
☒	Twin Phantom	SPEAG	SAM V5.0	1850	NA ¹	NA ¹
☒	ELI Phantom	SPEAG	ELI V6.0	2010	NA ¹	NA ¹
☒	DAE	SPEAG	DAE3	373	2024/1/3	2025/1/2
☒	E-Field Probe	SPEAG	EX3DV4	3805	2024/11/23	2025/11/22
☒	Validation Kits	SPEAG	D835V2	4d124	2023/10/24	2026/10/23
☒	Validation Kits	SPEAG	D1900V2	5d055	2023/10/20	2026/10/19
☒	Validation Kits	SPEAG	D2450V2	808	2023/10/23	2026/10/22
☒	Validation Kits	SPEAG	D2600V2	1071	2023/6/20	2026/6/19
☒	Validation Kits	SPEAG	D3700V2	1054	2023/6/15	2026/6/14
☒	Validation Kits	SPEAG	D5GHzV2	1046	2023/10/23	2026/10/22
☒	Agilent Network Analyzer	Agilent	8753E	SU38432944	2024/6/6	2025/6/5
☒	Dielectric Probe Kit	SPEAG	DAK3.5	1425	2024/6/6	2025/6/5
☒	Universal Radio Communication Tester	R&S	CMW500	42115	2024/10/8	2025/10/7
☒	Directional Coupler	MCLI/USA	4426-20	03746	2024/6/6	2025/6/5
☒	Power meter	Agilent	E4419B	MY45104493	2024/10/8	2025/10/7
☒	Power meter	Agilent	E4419B	MY45100308	2024/10/8	2025/10/7
☒	Power sensor	Agilent	E9301H	MY41495616	2024/10/8	2025/10/7
☒	Power sensor	Agilent	E9301H	MY41495234	2024/10/8	2025/10/7
☒	Signal Generator	Agilent	E4438C	MY49072627	2024/6/6	2025/6/5
☒	Broadband Preamplifier	/	BP-01M18G	P190501	2024/6/6	2025/6/5
☒	DC POWER SUPPLY	I-SHENG	SP-504	NA	2024/6/6	2025/6/5
☒	Speed reading thermometer	HTC-1	NA	LCS-E-138	2024/6/6	2025/6/5

Note: All the equipments are within the valid period when the tests are performed.

1" : NA as this is not measurement equipment.



2. SAR MEASUREMENTS SYSTEM CONFIGURATION

2.1. SAR Measurement System

This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY5 professional system). A E-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation $SAR = \sigma (|E|^2) / \rho$ where σ and ρ are the conductivity and mass density of the tissue-Simulate.

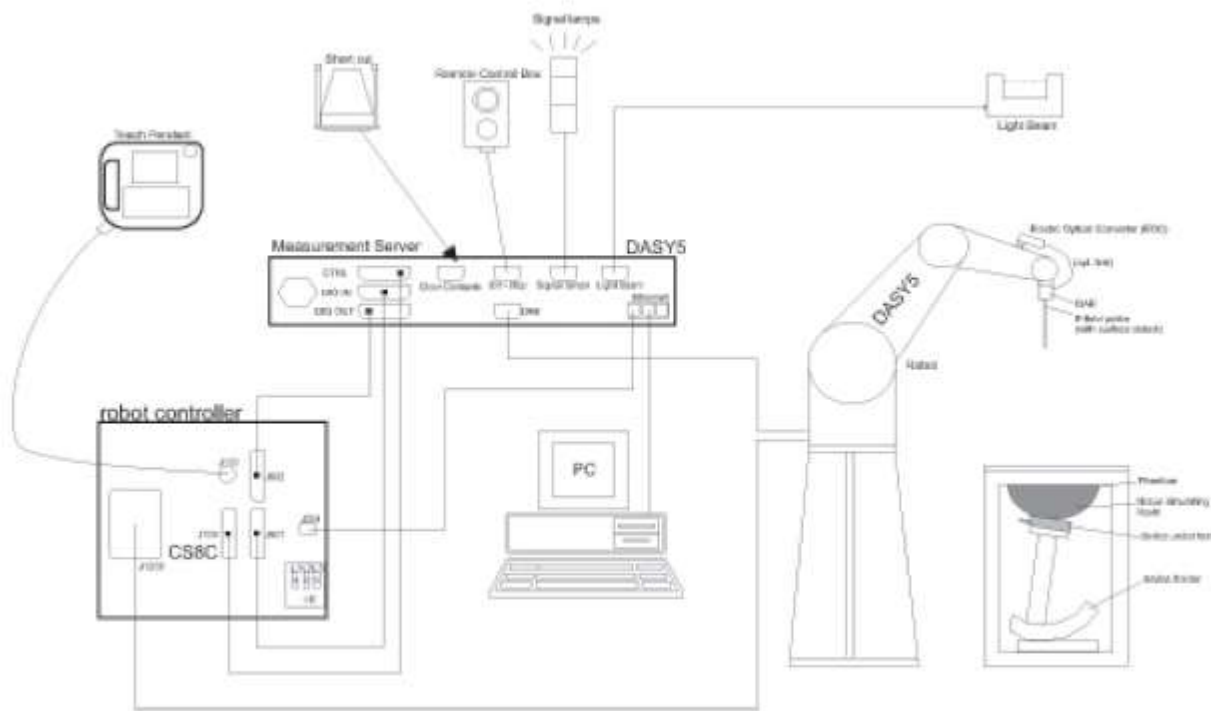
The DASY5 system for performing compliance tests consists of the following items:

A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software .An arm extension for accommodation the data acquisition electronics (DAE).

A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.



F-1. SAR Measurement System Configuration





- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows 7.
- DASY5 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand, right-hand and Body Worn usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validating the proper functioning of the system.



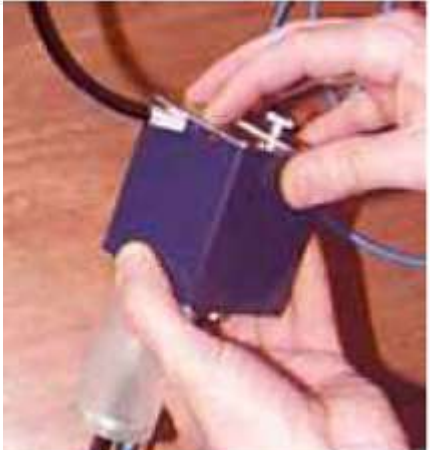


2.2. Isotropic E-field Probe EX3DV4

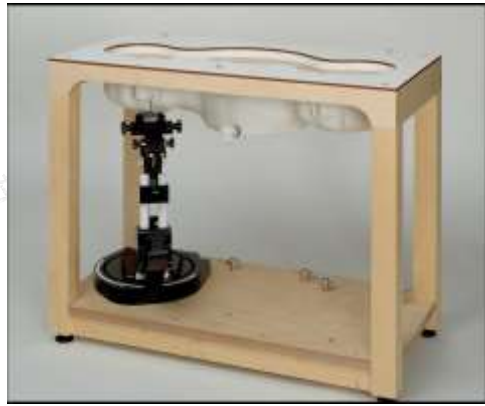
	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 μ W/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI



2.3. Data Acquisition Electronics (DAE)

Model	DAE	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY4/5 embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV,400mV)	
Input Offset Voltage	< 5μV (with auto zero)	
Input Bias Current	< 50 f A	
Dimensions	60 x 60 x 68 mm	

2.4. SAM Twin Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)	
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)	
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)	
Dimensions (incl. Wooden Support)	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	approx. 25 liters	
Wooden Support	SPEAG standard phantom table	

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.

Twin SAM V5.0 has the same shell geometry and is manufactured from the same material as Twin SAM V4.0, but has reinforced top structure.





2.5. ELI Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
Shell Thickness	2.0 ± 0.2 mm (bottom plate)
Dimensions	Major axis: 600 mm Minor axis: 400 mm
Filling Volume	approx. 30 liters
Wooden Support	SPEAG standard phantom table



Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.

ELI V5.0 has the same shell geometry and is manufactured from the same material as ELI4, but has reinforced top structure.



2.6. Device Holder for Transmitters



F-2. Device Holder for Transmitters

- The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation centres for both scales are the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.
- The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity $\epsilon=3$ and loss tangent $\delta=0.02$. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.





2.7. Measurement procedure

2.7.1. Scanning procedure

Step 1: Power reference measurement

The “reference” and “drift” measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure.

Step 2: Area scan

The SAR distribution at the exposed side of the head was measured at a distance of 4mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 15mm*15mm or 12mm*12mm or 10mm*10mm. Based on the area scan data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Zoom scan

Around this point, a volume of 32mm*32mm*30mm ($f \leq 2\text{GHz}$), 30mm*30mm*30mm (f for 2-3GHz) and 24mm*24mm*22mm (f for 5-6GHz) was assessed by measuring 5x5x7 points ($f \leq 2\text{GHz}$), 7x7x7 points (f for 2-3GHz) and 7x7x12 points (f for 5-6GHz). On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

The data at the surface was extrapolated, since the centre of the dipoles is 2.0mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2mm. (This can be variable. Refer to the probe specification). The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1g or 10g) were computed using the 3D-Spline interpolation algorithm. The volume was integrated with the trapezoidal algorithm. One thousand points were interpolated to calculate the average. All neighbouring volumes were evaluated until no neighboring volume with a higher average value was found.

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std. 1528-2013.



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		≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface		5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location		$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}		≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
		When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}		≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$
Minimum zoom scan volume	x, y, z		3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Step 4: Power reference measurement (drift)

The Power Drift Measurement job measures the field at the same location as the most recent power reference measurement job within the same procedure, and with the same settings. The indicated drift is mainly the variation of the DUT's output power and should vary max. $\pm 5\%$

2.7.2. Data Storage

The DASY software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension “.DAE4”. The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated. The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [m W/g], [m W/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.





2.7.3. Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	- Sensitivity	Normi, ai0, ai1, ai2
- Conversion factor	ConvFi	
- Diode compression point	Dcpi	
Device parameters:	- Frequency	f
- Crest factor	cf	
Media parameters:	- Conductivity	ϵ
- Density	ρ	

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot cf / dcpi$$

With V_i = compensated signal of channel i (i = x, y, z)

U_i = input signal of channel i (i = x, y, z)

cf = crest factor of exciting field (DASY parameter)

dcpi = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

E-field probes:

$$E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$$





H-field probes:

$$H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1}f + a_{i2}f^2) / f$$

With V_i = compensated signal of channel i ($i = x, y, z$)

Norm i = sensor sensitivity of channel i ($i = x, y, z$)

[mV/(V/m)²] for E-field Probes

ConvF = sensitivity enhancement in solution

a_{ij} = sensor sensitivity factors for H-field probes

f = carrier frequency [GHz]

E_i = electric field strength of channel i in V/m

H_i = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = (E_x^2 + E_y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$SAR = (E_{tot}^2 \cdot \sigma) / (\epsilon \cdot 1000)$$

with SAR = local specific absorption rate in mW/g

E_{tot} = total field strength in V/m

σ = conductivity in [mho/m] or [Siemens/m]

ϵ = equivalent tissue density in g/cm³

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = E_{tot}^2 / 3770 \text{ or } P_{pwe} = H_{tot}^2 \cdot 37.7$$

with P_{pwe} = equivalent power density of a plane wave in mW/cm²

E_{tot} = total electric field strength in V/m

H_{tot} = total magnetic field strength in A/m



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3. SAR measurement variability and uncertainty

3.1. SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
 - 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
 - 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
 - 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
- The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

3.2. SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

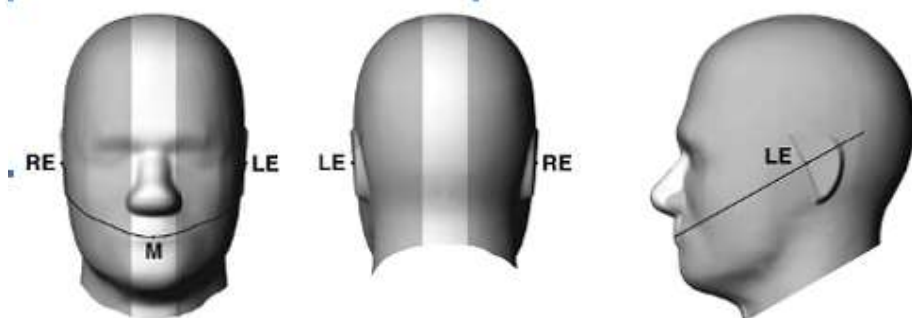




4. Description of Test Position

4.1. Head Exposure Condition

4.1.1. SAM Phantom Shape

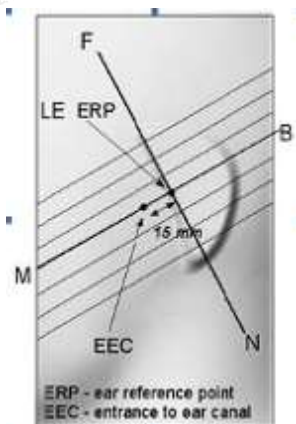


F-3. Front, back, and side views of SAM (model for the phantom shell). Full-head model is for illustration purposes only-procedures in this recommended practice are intended primarily for the phantom setup.

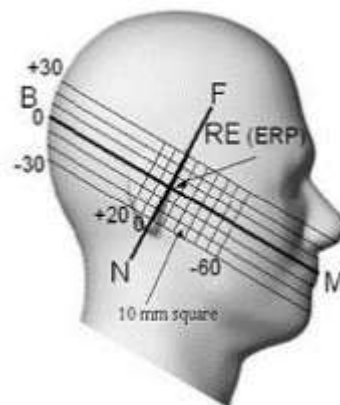
Note: The centre strip including the nose region has a different thickness tolerance.



F-4. Sagittally bisected phantom with extended perimeter (shown placed on its side as used for SAR measurements)



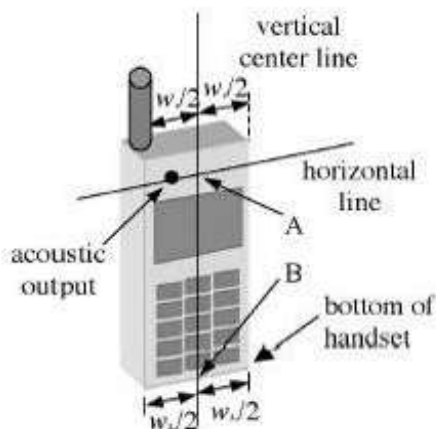
F-5. Close-up side view of phantom, showing the ear region, N-F and B-M lines, and seven cross-sectional plane locations



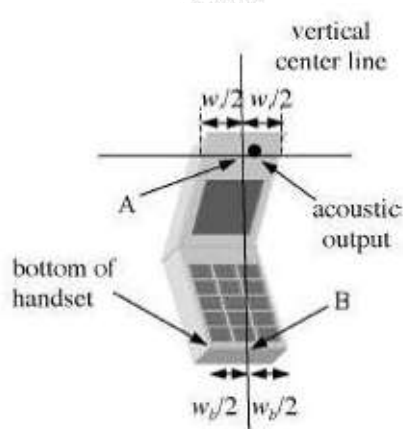
F-6. Side view of the phantom showing relevant markings and seven cross-sectional plane locations



4.1.2. EUT constructions



F-1. Handset vertical and horizontal reference lines-“fixed case”



F-2. Handset vertical and horizontal reference lines-“clam-shell case”

4.1.3. Definition of the “cheek” position

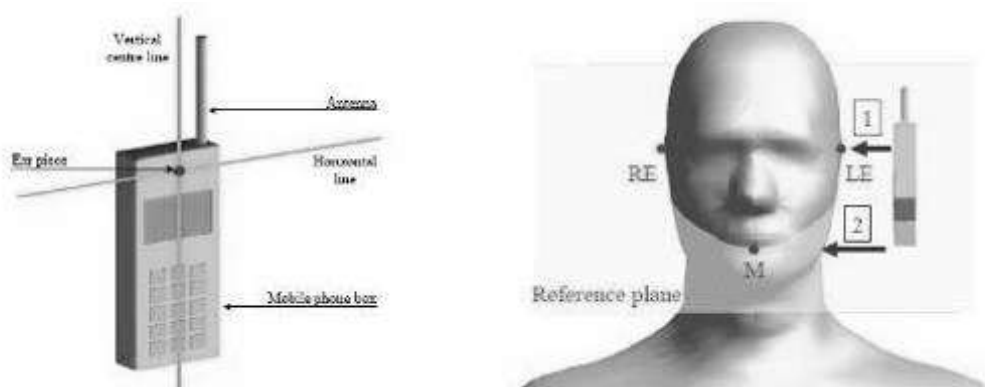
a) Position the device with the vertical centre line of the body of the device and the horizontal line crossing the centre of the ear piece in a plane parallel to the sagittal plane of the phantom (“initial position”). While maintaining the device in this plane, align the vertical centre line with the reference plane containing the three ear and mouth reference points (M, RE and LE) and align the centre of the ear piece with the line RE-LE.

b) Translate the mobile phone box towards the phantom with the ear piece aligned with the line LE-RE until telephone touches the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the box until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.

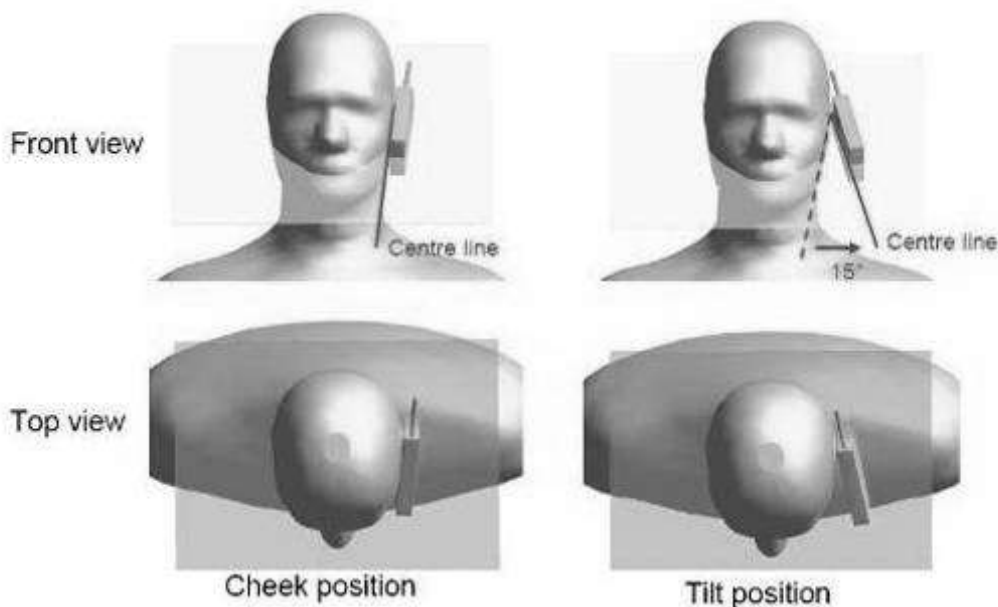


4.1.4. Definition of the “tilted” position

- Position the device in the “cheek” position described above;
- While maintaining the device in the reference plane described above and pivoting against the ear, move it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.



F-1. Definition of the reference lines and points, on the phone and on the phantom and initial position



F-2. “Cheek” and “tilt” positions of the mobile phone on the left side



4.2. Body Exposure Condition

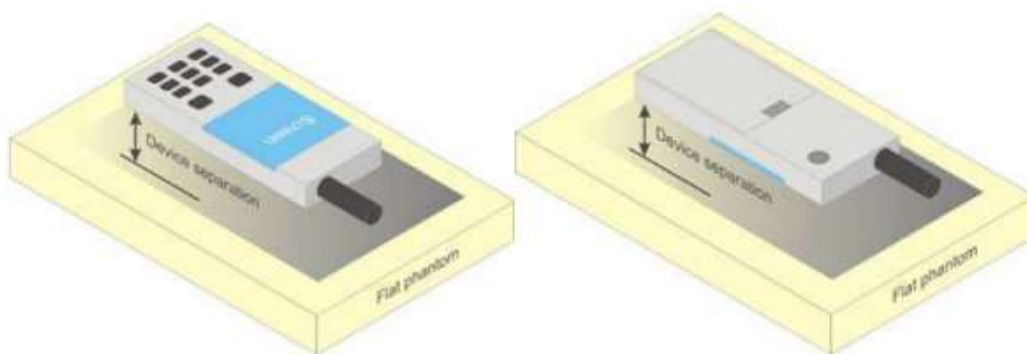
4.2.1. Body-worn accessory exposure conditions

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations.

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration. Per FCC KDB Publication 648474 D04, Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented. Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.



F-1. Test positions for body-worn devices





4.2.2. Wireless Router exposure conditions

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. For devices with form factors smaller than 9 cm x 5 cm, a test separation distance of 5 mm is required.

4.3. Extremity exposure conditions

Per FCC KDB 648474D04, for smart phones with a display diagonal dimension $> 15.0 \text{ cm}$ or an overall diagonal dimension $> 16.0 \text{ cm}$ that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the device is marketed as "Phablet".

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at $\leq 25 \text{ mm}$ from that surface or edge, in direct contact with a flat phantom, for Product Specific 10-g SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR $> 1.2 \text{ W/kg}$; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

Due to the SAR result, the Main antenna frequency bands are not required to test with 0mm for the Product Specific 10 g SAR.



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5. SAR System Verification Procedure

5.1. Tissue Simulate Liquid

5.1.1. Recipes for Tissue Simulate Liquid

The following tables give the recipes for tissue simulating liquids to be used in different frequency bands:

Ingredients (% by weight)	Frequency (MHz)				
	450	700-900	1750-2000	2300-2500	2500-2700
Water	38.56	40.30	55.24	55.00	54.92
Salt (NaCl)	3.95	1.38	0.31	0.2	0.23
Sucrose	56.32	57.90	0	0	0
HEC	0.98	0.24	0	0	0
Bactericide	0.19	0.18	0	0	0
Tween	0	0	44.45	44.80	44.85
Salt: 99+% Pure Sodium Chloride Water: De-ionized, 16 MΩ ⁺ resistivity Tween: Polyoxyethylene (20) sorbitan monolaurate					
Sucrose: 98+% Pure Sucrose HEC: Hydroxyethyl Cellulose					
HSL5GHz is composed of the following ingredients: Water: 50-65% Mineral oil: 10-30% Emulsifiers: 8-25% Sodium salt: 0-1.5%					

Table 1: Recipe of Tissue Simulate Liquid





5.1.2. Measurement for Tissue Simulate Liquid

The dielectric properties for this Tissue Simulate Liquids were measured by using the DAKS. The Conductivity (σ) and Permittivity (ρ) are listed in bellow table. For the SAR measurement given in this report. The temperature variation of the Tissue Simulate Liquids was $22\pm 2^{\circ}\text{C}$.

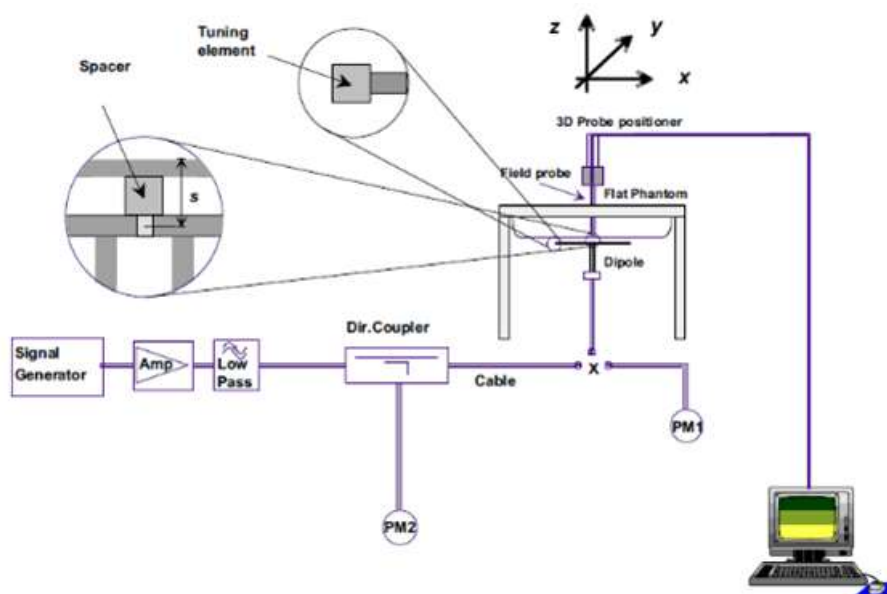
Tissue Type	Measured Frequency (MHz)	Target Tissue ($\pm 5\%$)		Measured Tissue		Liquid Temp. ($^{\circ}\text{C}$)	Measured Date
		ϵ_r	$\sigma(\text{S/m})$	ϵ_r	$\sigma(\text{S/m})$		
835 Head	835	41.5 (39.43~43.58)	0.9 (0.86~0.95)	41.721	0.907	22.3	November 19, 2024
1900 Head	1900	40 (38.00~42.00)	1.4 (1.33~1.47)	40.361	1.416	22.8	November 20, 2024
2450 Head	2450	39.2 (37.24~41.16)	1.8 (1.71~1.89)	39.283	1.809	22.0	November 21, 2024
2600 Head	2600	39 (37.05~40.95)	1.96 (1.86~2.06)	38.954	1.953	22.2	November 22, 2024
3700 Head	3700	37.70 (35.82~39.58)	3.12 (2.96~3.28)	37.492	3.094	22.9	January 01, 2025
5250Head	5250	35.9 (34.11~37.70)	4.71 (4.47~4.95)	35.692	4.612	22.6	November 25, 2024
5800 Head	5800	35.4 (33.63~37.17)	5.22 (4.96~5.48)	35.221	5.243	22.6	November 25, 2024

Table 2: Measurement result of Tissue electric parameters



5.2. SAR System Check

The microwave circuit arrangement for system Check is sketched in F-1. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within $\pm 10\%$ from the target SAR values. The tests were conducted on the same days as the measurement of the EUT. The obtained results from the system accuracy verification are displayed in the following table (A power level of 250mW (below 3GHz) or 100mW (3-6GHz) was input to the dipole antenna). During the tests, the ambient temperature of the laboratory was in the range $22\pm 2^{\circ}\text{C}$, the relative humidity was in the range 60% and the liquid depth above the ear reference points was above 15 ± 0.5 cm in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



F-1. the microwave circuit arrangement used for SAR system check

5.2.1. Justification for Extended SAR Dipole Calibrations

1) Referring to KDB865664 D01 requirements for dipole calibration, instead of the typical annual calibration recommended by measurement standards, longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable according to the following requirements. Each measured dipole is expected to evaluate with the following criteria at least on annual interval in Appendix C.

- There is no physical damage on the dipole;
- System check with specific dipole is within 10% of calibrated value;
- Return-loss is within 20% of calibrated measurement;
- Impedance is within 5Ω from the previous measurement.

2) Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.

D835V2 SN 4d124 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-24	-35.6		50.2		1.65	
2024-10-23	-35.56	-0.11	49.8	-0.4	1.64	0.01

D1900V2 SN 5d055 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-20	-26.1		51.3		4.84	





2024-10-19	-26.0	-0.38	51.5	0.2	4.85	0.01
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D2450V2 SN 808 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-23	-26.3		51.4		4.73	
2024-10-22	-26.27	-0.11	51.2	-0.2	4.70	-0.03

D2600V2 SN 1071 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-06-20	-23.7		48.6		-6.32	
2024-06-19	-23.68	-0.08	48.5	-0.1	-6.30	0.02

D3700V2 SN 1054 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-06-15	-31.2		47.8		1.52	
2024-06-14	-31.0	-0.64	47.5	-0.3	1.50	-0.01

D5GHzV2 SN 1046 Extend Dipole Calibrations(5250MHz)

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-23	-28.6		49.9		-3.71	
2024-10-22	-28.5	-0.35	49.6	-0.3	-3.70	0.01

D5GHzV2 SN 1046 Extend Dipole Calibrations(5750MHz)

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-23	-26.8		54.6		1.18	
2024-10-22	-26.74	-0.22	54.9	0.3	1.20	0.02



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5.2.2. Summary System Check Result(s)

Validation Kit		Measured SAR 250mW	Measured SAR 250mW	Measured SAR (normalized to 1W)	Measured SAR (normalized to 1W)	Target SAR (normalized to 1W) (±10%)	Target SAR (normalized to 1W) (±10%)	Liquid Temp. (°C)	Measured Date
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)		
D835V2	Head	2.38	1.59	9.52	6.36	9.59 (8.63~10.55)	6.37 (5.73~7.01)	22.3	November 19, 2024
D1900V2	Head	10.06	5.24	40.24	20.96	40.2 (36.18~44.22)	20.9 (18.81~22.99)	22.8	November 20, 2024
D2450V2	Head	13.36	6.19	53.44	24.76	53.5 (48.15~58.85)	24.8 (22.32~27.28)	22.2	November 21, 2024
D2600V2	Head	14.19	6.38	56.76	25.52	56.8 (51.12~62.48)	25.5 (51.12~62.48)	22.2	November 22, 2024
Validation Kit		Measured SAR 250mW	Measured SAR 250mW	Measured SAR (normalized to 1W)	Measured SAR (normalized to 1W)	Target SAR (normalized to 1W) (±10%)	Target SAR (normalized to 1W) (±10%)	Liquid Temp. (°C)	Measured Date
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)		
D3700V2	Head (3.7GHz)	6.66	2.45	66.60	24.50	66.4 (59.76~73.04)	24.4 (21.96~26.84)	22.9	January 01, 2025
D5GHzV2	Head (5.25GHz)	7.80	2.21	78.00	22.10	78.1 (70.29~85.91)	22.2 (19.98~24.42)	22.6	November 25, 2024
	Head (5.8GHz)	7.72	2.15	77.20	21.50	77.4 (69.66~85.14)	21.6 (19.44~23.76)	22.6	November 25, 2024

Table 3: Please see the Appendix A





6. SAR measurement procedure

The measurement procedures are as follows:

6.1. Conducted power measurement

- For WWAN power measurement, use base station simulator connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- Read the WWAN RF power level from the base station simulator.
- For WLAN power measurement, use engineering software to configure EUT WLAN continuously Transmission, at maximum RF power in each supported wireless interface and frequency band.
- Connect EUT RF port through RF cable to the power meter, and measure WLAN output power.

6.2. GSM Test Configuration

SAR tests for GSM 850 and GSM 1900, a communication link is set up with a System Simulator (SS) by air link. Using CMU200 the power level is set to “5” for GSM 850, set to “0” for GSM 1900. Since the GPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslots is 4. the EGPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslots is 4.

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. GSM voice and GPRS data use GMSK, which is a constant amplitude modulation with minimal peak to average power difference within the time-slot burst. For EDGE, GMSK is used for MCS 1 – MCS 4 and 8-PSK is used for MCS 5 – MCS 9; where 8-PSK has an inherently higher peak-to-average power ratio. The GMSK and 8-PSK EDGE configurations are considered separately for SAR compliance. The GMSK EDGE configurations are grouped with GPRS and considered with respect to time-averaged maximum output power to determine compliance. The 3G SAR test reduction procedure is applied to 8-PSK EDGE with GMSK GPRS/EDGE as the primary mode.

6.3. UMTS Test Configuration

3G SAR Test Reduction Procedure

In the following procedures, the mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.³ This is referred to as the 3G SAR test reduction procedure in the following SAR test guidance, where the primary mode is identified in the applicable wireless mode test procedures and the secondary mode is wireless mode being considered for SAR test reduction by that procedure. When the 3G SAR test reduction procedure is not satisfied, it is identified as “otherwise” in the applicable procedures; SAR measurement is required for the secondary mode.

Output power Verification

Maximum output power is verified on the high, middle and low channels according to procedures described in section 5.2 of 3GPP TS 34.121, using the appropriate RMC or AMR with TPC (transmit power control) set to all “1’s” for WCDMA/HSDPA or by applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, HSPA) are required in the SAR report. All configurations that are not supported by the handset or cannot be measured due to technical or equipment limitations must be clearly identified.

Head SAR

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”. The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode.





Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

1) Body-Worn Accessory SAR

SAR for body-worn accessory configurations is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCHn, for the highest reported body-worn accessory exposure SAR configuration in 12.2 kbps RMC. When more than 2 DPDCHn are supported by the handset, it may be necessary to configure additional DPDCHn using FTM (Factory Test Mode) or other chipset based test approaches with parameters similar to those used in 384 kbps and 768 kbps RMC.

2) Handsets with Release 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body-worn accessory configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures in the "Release 5 HSDPA Data Devices" section of this document, for the highest reported SAR body-worn accessory exposure configuration in 12.2 kbps RMC. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

HSDPA should be configured according to the UE category of a test device. The number of HSDSCH/ HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms with a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors (β_c , β_d), and HS-DPCCH power offset parameters (Δ_{ACK} , Δ_{NACK} , Δ_{CQI}) should be set according to values indicated in the Table below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set

Table 2: Subtests for UMTS Release 5 HSDPA

Sub-set	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (note 1, note 2)	CM(dB) (note 3)	MPR(dB)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (note 4)	15/15 (note 4)	64	12/15 (note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5
Note1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$							
Note2: CM=1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$.							
Note3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TFC1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.							

HSUPA Test Configuration

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body-worn accessory configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures in the "Release 6 HSPA Data Devices" section of this document, for the highest reported body-worn accessory exposure SAR configuration in 12.2 kbps RMC. When VOIP is applicable for next to the ear head exposure in HSPA, the 3G SAR test reduction procedure is applied to HSPA with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body-worn accessory measurements is tested for next to the ear head exposure.

Due to inner loop power control requirements in HSPA, a communication test set is required for output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSPA are configured according to the β values indicated in Table 2 and other applicable procedures described in the 'WCDMA Handset' and 'Release 5 HSDPA Data Devices' sections of this document

Table 3: Sub-Test 5 Setup for Release 6 HSUPA



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Sub-set	β_c	β_d	β_d (SF)	β_c/β_d	$\beta_{hs}^{(1)}$	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM ⁽²⁾ (dB)	MPR (dB)	AG ⁽⁴⁾ Index	E-TFCI
1	11/15 ⁽³⁾	15/15 ⁽³⁾	64	11/15 ⁽³⁾	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 ⁽⁴⁾	15/15 ⁽⁴⁾	64	15/15 ⁽⁴⁾	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$.

Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Figure 5.1g.

Note 6: β_{ed} can not be set directly; it is set by Absolute Grant Value.

6.4. LTE Test Configuration

QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

QPSK with 50% RB allocation

The procedures required for 1 RB allocation in section 4.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.

QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in sections 4.2.1 and 4.2.2 are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

6.5. WIFI Test Configuration

The SAR measurement and test reduction procedures are structured according to either the DSSS or OFDM transmission mode configurations used in each standalone frequency band and aggregated band. For devices that operate in exposure configurations that require multiple test positions, additional SAR test reduction may be applied. The maximum output power specified for production units, including tune-up tolerance, are used to determine initial SAR test requirements for the 802.11 transmission modes in a frequency band. SAR is measured using the highest measured maximum output power channel for the initial test configuration. SAR measurement and test reduction for the remaining 802.11 modes and test channels are determined according to measured or specified maximum output power and reported SAR of the initial measurements. The general test reduction and SAR measurement approaches are summarized in the following:

1. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures.
2. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, an "initial test configuration" is first determined for each standalone and aggregated frequency band according to the maximum output power and tune-up tolerance specified for production units.



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- a. When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.
- b. SAR is measured for OFDM configurations using the initial test configuration procedures. Additional frequency band specific SAR test reduction may be considered for individual frequency bands
- c. Depending on the reported SAR of the highest maximum output power channel tested in the initial test configuration, SAR test reduction may apply to subsequent highest output channels in the initial test configuration to reduce the number of SAR measurements.
3. The Initial test configuration does not apply to DSSS. The 2.4 GHz band SAR test requirements and 802.11b DSSS procedures are used to establish the transmission configurations required for SAR measurement.
4. An "initial test position" is applied to further reduce the number of SAR tests for devices operating in next to the ear, UMPC mini-tablet or hotspot mode exposure configurations that require multiple test positions .
 - a. SAR is measured for 802.11b according to the 2.4 GHz DSSS procedure using the exposure condition established by the initial test position.
 - b. SAR is measured for 2.4 GHz and 5 GHz OFDM configurations using the initial test configuration. 802.11b/g/n operating modes are tested independently according to the service requirements in each frequency band. 802.11b/g/n modes are tested on the maximum average output channel.
5. The Initial test position does not apply to devices that require a fixed exposure test position. SAR is measured in a fixed exposure test position for these devices in 802.11b according to the 2.4 GHz DSSS procedure or in 2.4 GHz and 5 GHz OFDM configurations using the initial test configuration procedures .
6. The "subsequent test configuration" procedures are applied to determine if additional SAR measurements are required for the remaining OFDM transmission modes that have not been tested in the initial test configuration. SAR test exclusion is determined according to reported SAR in the initial test configuration and maximum output power specified or measured for these other OFDM configurations.

2.4 GHz and 5GHz SAR Procedures

Separate SAR procedures are applied to DSSS and OFDM configurations in the 2.4 GHz band to simplify DSSS test requirements. For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions. When SAR measurement is required for an OFDM configuration, the initial test configuration, subsequent test configuration and initial test position procedures are applied. The SAR test exclusion requirements for 802.11g/n OFDM configurations are described in section 5.2.2.

1. 802.11b DSSS SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- a. When the reported SAR of the highest measured maximum output power channel (section 3.1) for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- b. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

1. 2.4 GHz 802.11g/n OFDM SAR Test Exclusion Requirements

When SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations, the measurement and test reduction procedures for OFDM are applied (section 5.3). SAR is not required for the following 2.4 GHz OFDM conditions.

- a. When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration
- b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

2. SAR Test Requirements for OFDM Configurations

When SAR measurement is required for 802.11 a/g/n/ac OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. When the same transmitter and antenna(s) are used for U-NII-1 and U-NII-2A bands, additional SAR test reduction applies. When band gap channels between U-NII-2C band and 5.8 GHz U-NII-3 or §15.247 band are supported, the highest maximum output power transmission mode configuration and maximum output power channel across the bands must be used to determine SAR test reduction, according to the initial test configuration and subsequent test configuration requirements.²⁰ In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.

3. OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements





The initial test configuration for 2.4 GHz and 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. SAR for the initial test configuration is measured using the highest maximum output power channel determined by the default power measurement procedures (section 4). When multiple configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined according to the following steps applied sequentially.

- a. The largest channel bandwidth configuration is selected among the multiple configurations with the same specified maximum output power.
- b. If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- c. If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- d. When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following. These channel selection procedures apply to both the initial test configuration and subsequent test configuration(s), with respect to the default power measurement procedures or additional power measurements required for further SAR test reduction. The same procedures also apply to subsequent highest output power channel(s) selection.

- a. Channels with measured maximum output power within $\frac{1}{4}$ dB of each other are considered to have the same maximum output.
- b. When there are multiple test channels with the same measured maximum output power, the channel closest to mid-band frequency is selected for SAR measurement.
- c. When there are multiple test channels with the same measured maximum output power and equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

Initial Test Configuration Procedures

An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. For configurations with the same specified or measured maximum output power, additional transmission mode and test channel selection procedures are required (see section 5.3.2). SAR test reduction of subsequent highest output test channels is based on the reported SAR of the initial test configuration. For next to the ear, hotspot mode and UMC mini-tablet exposure configurations where multiple test positions are required, the initial test position procedure is applied to minimize the number of test positions required for SAR measurement using the initial test configuration transmission mode.²³ For fixed exposure conditions that do not have multiple SAR test positions, SAR is measured in the transmission mode determined by the initial test configuration. When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4. Subsequent Test Configuration Procedures

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, the procedures in section 5.3.2 are applied to determine the test configuration. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.

- a. When SAR test exclusion provisions of KDB Publication 447498 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
- b. When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.
- c. The number of channels in the initial test configuration and subsequent test configuration can be different due to differences in channel bandwidth. When SAR measurement is required for a subsequent test configuration and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent





test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel. This step requires additional power measurement to identify the highest maximum output power channel in the subsequent test configuration to determine SAR test reduction.

- 1). SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.
- 2). SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the reported SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is > 1.2 W/kg or until all required channels are tested.
 - a) For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.
 - d. SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration (highest maximum output) or subsequent test configuration(s) (subsequent next highest maximum output power) is determined by applying the subsequent test configuration procedures in this section to the remaining configurations according to the following:
 - 1) replace “subsequent test configuration” with “next subsequent test configuration” (i.e., subsequent next highest specified maximum output power configuration)
 - 2) replace “initial test configuration” with “all tested higher output power configurations.”

6.6. Power Reduction

The product without any power reduction.

6.7. Power Drift

To control the output power stability during the SAR test, SAR system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. This ensures that the power drift during one measurement is within ± 0.2 dB.



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7. TEST CONDITIONS AND RESULTS

7.1. Conducted Power Results

According KDB 447498 D01 General RF Exposure Guidance v06 Section 4.1 2) states that "Unless it is specified differently in the published RF exposure KDB procedures, these requirements also apply to test reduction and test exclusion considerations. Time-averaged maximum conducted output power applies to SAR and, as required by § 2.1091(c), time-averaged ERP applies to MPE. When an antenna port is not available on the device to support conducted power measurement, such as FRS and certain Part 15 transmitters with built-in integral antennas, the maximum output power allowed for production units should be used to determine RF exposure test exclusion and compliance."

Note:

1)CMW500 measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

No. of timeslots	1	2	3	4
Duty Cycle	1:8.3	1:4.15	1:2.77	1:2.075
Time based avg. power compared to slotted avg. power	-9.19	-6.18	-4.42	-3.17

2)The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:

3)Frame-averaged power = $10 \times \log(\text{Burst-averaged power mW} \times \text{Slot used} / 8)$

When the maximum output power variation across the required test channels is $> \frac{1}{2}$ dB, instead of the middle channel, the highest output power channel must be used

When multiple slots can be used, SAR should be tested to account for the maximum source-based time-averaged output power.

<UMTS Conducted Power>

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

HSDPA Setup Configuration:

- The EUT was connected to Base Station CMW500 referred to the Setup Configuration.
- The RF path losses were compensated into the measurements.
- A call was established between EUT and Base Station with following setting:
 - Set Gain Factors (β_c and β_d) and parameters were set according to each
 - Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - Set RMC 12.2Kbps + HSDPA mode.
 - Set Cell Power = -86 dBm
 - Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
 - Select HSDPA Uplink Parameters
 - Set Delta ACK, Delta NACK and Delta CQI = 8
 - Set Ack-Nack Repetition Factor to 3
 - Set CQI Feedback Cycle (k) to 4 ms
 - Set CQI Repetition Factor to 2
 - Power Ctrl Mode = All Up bits
- The transmitted maximum output power was recorded.



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Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and $\Delta_{NACK} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$, and $\Delta_{CQI} = 24/15$ with $\beta_{HS} = 24/15 * \beta_c$.

Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

Setup Configuration

HSUPA Setup Configuration:

- The EUT was connected to Base Station R&S CMW500 referred to the Setup Configuration.
- The RF path losses were compensated into the measurements.
- A call was established between EUT and Base Station with following setting *:
 - Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
 - Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
 - Set Cell Power = -86 dBm
 - Set Channel Type = 12.2k + HSPA
 - Set UE Target Power
 - Power Ctrl Mode= Alternating bits
 - Set and observe the E-TFCI
 - Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
- The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1)	β_{EC}	β_{ED} (Note 5) (Note 6)	β_{ED} (SF)	β_{ED} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 6)	E- TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/2 25	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ED1}: 47/15$ $\beta_{ED2}: 47/15$	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPCCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$.

Note 5: In case of testing by UE using E-DPCCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 6: β_{ED} can not be set directly, it is set by Absolute Grant Value.



**General Note**

1. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If AMR 12.2kbps power is $< 0.25\text{dB}$ higher than RMC 12.2kbps, SAR tests with AMR 12.2kbps can be excluded.
2. By design, AMR and HSDPA/HSUPA RF power will not be larger than RMC 12.2kbps, detailed information is included in Tune-up Procure exhibit.
3. It is expected by the manufacturer that MPR for some HSDPA/HSUPA subtests may differ from the specification of 3GPP, according to the chipset implementation in this model. The implementation and expected deviation are detailed in tune-up procedure exhibit.





7.1.1. Conducted Power Measurement Results(WCDMA Band II)

Item	Band	WCDMA Band II result (dBm)			
		Channel/Frequency(MHz)			
		9262/1852.4	9400/1880	9538/1907.6	Tune up
RMC	12.2kbps RMC	23.46	23.51	23.45	24.00
HSDPA	Sub –Test 1	22.82	22.80	22.99	23.50
	Sub –Test 2	22.83	22.78	22.79	23.50
	Sub –Test 3	22.80	22.72	22.82	23.00
	Sub –Test 4	22.89	22.90	22.76	23.50
HSUPA	Sub –Test 1	22.74	22.73	22.81	23.00
	Sub –Test 2	22.81	22.85	22.89	23.50
	Sub –Test 3	22.84	22.78	22.71	23.50
	Sub –Test 4	22.70	22.82	22.82	23.50
	Sub –Test 5	22.77	22.89	22.74	23.50

Note:

- 1) when the maximum output power variation across the required test channels is $> \frac{1}{2}$ dB, instead of the middle channel, the highest output power channel must be used.

7.1.2. Conducted Power Measurement Results(WCDMA Band V)

Item	Band	WCDMA Band V result (dBm)			
		Channel/Frequency(MHz)			
		4132/826.4	4182/836.4	4233/846.6	Tune up
RMC	12.2kbps RMC	23.54	23.47	23.52	24.00
HSDPA	Sub –Test 1	22.77	22.87	22.83	23.50
	Sub –Test 2	22.88	22.75	22.83	23.50
	Sub –Test 3	22.81	22.76	22.81	23.50
	Sub –Test 4	22.82	22.90	22.73	23.50
HSUPA	Sub –Test 1	22.85	22.85	22.90	23.50
	Sub –Test 2	22.71	22.72	22.88	23.00
	Sub –Test 3	22.77	22.90	22.73	23.50
	Sub –Test 4	22.87	22.86	22.79	23.50
	Sub –Test 5	22.78	22.75	22.87	23.50

Note:

- 1) when the maximum output power variation across the required test channels is $> \frac{1}{2}$ dB, instead of the middle channel, the highest output power channel must be used.





7.1.3. Conducted Power Measurement Results(LTE Band 5)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band5	1.4MHz	QPSK	20407	1RB#0	22.89	23.50
Band5	1.4MHz	16QAM	20407	1RB#0	22.91	23.50
Band5	1.4MHz	QPSK	20407	1RB#2	23.02	23.50
Band5	1.4MHz	16QAM	20407	1RB#2	23.32	24.00
Band5	1.4MHz	QPSK	20407	1RB#5	22.93	23.50
Band5	1.4MHz	16QAM	20407	1RB#5	23.18	23.50
Band5	1.4MHz	QPSK	20407	3RB#0	22.98	23.50
Band5	1.4MHz	16QAM	20407	3RB#0	22.42	23.00
Band5	1.4MHz	QPSK	20407	3RB#1	23.04	23.50
Band5	1.4MHz	16QAM	20407	3RB#1	22.47	23.00
Band5	1.4MHz	QPSK	20407	3RB#3	22.97	23.50
Band5	1.4MHz	16QAM	20407	3RB#3	22.40	23.00
Band5	1.4MHz	QPSK	20407	6RB#0	22.16	22.50
Band5	1.4MHz	16QAM	20407	6RB#0	21.85	22.50
Band5	1.4MHz	QPSK	20525	1RB#0	22.94	23.50
Band5	1.4MHz	16QAM	20525	1RB#0	21.67	22.00
Band5	1.4MHz	QPSK	20525	1RB#2	23.00	23.50
Band5	1.4MHz	16QAM	20525	1RB#2	21.73	22.00
Band5	1.4MHz	QPSK	20525	1RB#5	22.80	23.50
Band5	1.4MHz	16QAM	20525	1RB#5	21.71	22.00
Band5	1.4MHz	QPSK	20525	3RB#0	22.96	23.50
Band5	1.4MHz	16QAM	20525	3RB#0	22.44	23.00
Band5	1.4MHz	QPSK	20525	3RB#1	22.96	23.50
Band5	1.4MHz	16QAM	20525	3RB#1	22.45	23.00
Band5	1.4MHz	QPSK	20525	3RB#3	23.05	23.50
Band5	1.4MHz	16QAM	20525	3RB#3	22.37	23.00
Band5	1.4MHz	QPSK	20525	6RB#0	22.02	22.50
Band5	1.4MHz	16QAM	20525	6RB#0	21.84	22.50
Band5	1.4MHz	QPSK	20643	1RB#0	22.60	23.00
Band5	1.4MHz	16QAM	20643	1RB#0	22.84	23.50
Band5	1.4MHz	QPSK	20643	1RB#2	22.66	23.00
Band5	1.4MHz	16QAM	20643	1RB#2	22.62	23.00
Band5	1.4MHz	QPSK	20643	1RB#5	22.31	23.00
Band5	1.4MHz	16QAM	20643	1RB#5	22.29	23.00
Band5	1.4MHz	QPSK	20643	3RB#0	22.80	23.50
Band5	1.4MHz	16QAM	20643	3RB#0	21.96	22.50
Band5	1.4MHz	QPSK	20643	3RB#1	22.80	23.50
Band5	1.4MHz	16QAM	20643	3RB#1	21.95	22.50
Band5	1.4MHz	QPSK	20643	3RB#3	22.66	23.00
Band5	1.4MHz	16QAM	20643	3RB#3	22.19	22.50
Band5	1.4MHz	QPSK	20643	6RB#0	22.05	22.50
Band5	1.4MHz	16QAM	20643	6RB#0	21.66	22.00
Band5	3MHz	QPSK	20415	1RB#0	22.98	23.50
Band5	3MHz	16QAM	20415	1RB#0	22.42	23.00
Band5	3MHz	QPSK	20415	1RB#8	22.96	23.50
Band5	3MHz	16QAM	20415	1RB#8	22.41	23.00
Band5	3MHz	QPSK	20415	1RB#14	22.98	23.50
Band5	3MHz	16QAM	20415	1RB#14	22.45	23.00
Band5	3MHz	QPSK	20415	8RB#0	22.17	22.50
Band5	3MHz	16QAM	20415	8RB#0	21.79	22.50
Band5	3MHz	QPSK	20415	8RB#4	22.14	22.50
Band5	3MHz	16QAM	20415	8RB#4	21.78	22.50
Band5	3MHz	QPSK	20415	8RB#7	22.10	22.50
Band5	3MHz	16QAM	20415	8RB#7	21.79	22.50
Band5	3MHz	QPSK	20415	15RB#0	22.05	22.50
Band5	3MHz	16QAM	20415	15RB#0	21.51	22.00
Band5	3MHz	QPSK	20525	1RB#0	22.88	23.50
Band5	3MHz	16QAM	20525	1RB#0	21.68	22.00
Band5	3MHz	QPSK	20525	1RB#8	23.16	23.50



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Band5	3MHz	16QAM	20525	1RB#8	21.75	22.00
Band5	3MHz	QPSK	20525	1RB#14	23.13	23.50
Band5	3MHz	16QAM	20525	1RB#14	22.65	23.00
Band5	3MHz	QPSK	20525	8RB#0	21.95	22.50
Band5	3MHz	16QAM	20525	8RB#0	21.79	22.50
Band5	3MHz	QPSK	20525	8RB#4	22.14	22.50
Band5	3MHz	16QAM	20525	8RB#4	21.78	22.50
Band5	3MHz	QPSK	20525	8RB#7	22.18	22.50
Band5	3MHz	16QAM	20525	8RB#7	21.86	22.50
Band5	3MHz	QPSK	20525	15RB#0	22.10	22.50
Band5	3MHz	16QAM	20525	15RB#0	21.44	22.00
Band5	3MHz	QPSK	20635	1RB#0	22.93	23.50
Band5	3MHz	16QAM	20635	1RB#0	23.12	23.50
Band5	3MHz	QPSK	20635	1RB#8	22.79	23.50
Band5	3MHz	16QAM	20635	1RB#8	22.96	23.50
Band5	3MHz	QPSK	20635	1RB#14	22.16	22.50
Band5	3MHz	16QAM	20635	1RB#14	21.84	22.50
Band5	3MHz	QPSK	20635	8RB#0	22.12	22.50
Band5	3MHz	16QAM	20635	8RB#0	21.68	22.00
Band5	3MHz	QPSK	20635	8RB#4	22.00	22.50
Band5	3MHz	16QAM	20635	8RB#4	21.64	22.00
Band5	3MHz	QPSK	20635	8RB#7	22.05	22.50
Band5	3MHz	16QAM	20635	8RB#7	21.53	22.00
Band5	3MHz	QPSK	20635	15RB#0	22.07	22.50
Band5	3MHz	16QAM	20635	15RB#0	21.58	22.00
Band5	5MHz	QPSK	20425	1RB#0	23.17	23.50
Band5	5MHz	16QAM	20425	1RB#0	21.90	22.50
Band5	5MHz	QPSK	20425	1RB#12	23.03	23.50
Band5	5MHz	16QAM	20425	1RB#12	21.84	22.50
Band5	5MHz	QPSK	20425	1RB#24	23.12	23.50
Band5	5MHz	16QAM	20425	1RB#24	21.83	22.50
Band5	5MHz	QPSK	20425	12RB#0	22.01	22.50
Band5	5MHz	16QAM	20425	12RB#0	21.61	22.00
Band5	5MHz	QPSK	20425	12RB#6	21.90	22.50
Band5	5MHz	16QAM	20425	12RB#6	21.61	22.00
Band5	5MHz	QPSK	20425	12RB#13	22.08	22.50
Band5	5MHz	16QAM	20425	12RB#13	21.52	22.00
Band5	5MHz	QPSK	20425	25RB#0	22.10	22.50
Band5	5MHz	16QAM	20425	25RB#0	21.79	22.50
Band5	5MHz	QPSK	20525	1RB#0	22.77	23.50
Band5	5MHz	16QAM	20525	1RB#0	22.92	23.50
Band5	5MHz	QPSK	20525	1RB#12	22.80	23.50
Band5	5MHz	16QAM	20525	1RB#12	22.87	23.50
Band5	5MHz	QPSK	20525	1RB#24	22.96	23.50
Band5	5MHz	16QAM	20525	1RB#24	22.63	23.00
Band5	5MHz	QPSK	20525	12RB#0	22.20	22.50
Band5	5MHz	16QAM	20525	12RB#0	21.71	22.00
Band5	5MHz	QPSK	20525	12RB#6	22.22	22.50
Band5	5MHz	16QAM	20525	12RB#6	21.55	22.00
Band5	5MHz	QPSK	20525	12RB#13	22.26	23.00
Band5	5MHz	16QAM	20525	12RB#13	21.66	22.00
Band5	5MHz	QPSK	20525	25RB#0	22.15	22.50
Band5	5MHz	16QAM	20525	25RB#0	21.42	22.00
Band5	5MHz	QPSK	20625	1RB#0	23.08	23.50
Band5	5MHz	16QAM	20625	1RB#0	22.47	23.00
Band5	5MHz	QPSK	20625	1RB#12	22.98	23.50
Band5	5MHz	16QAM	20625	1RB#12	22.52	23.00
Band5	5MHz	QPSK	20625	1RB#24	22.54	23.00
Band5	5MHz	16QAM	20625	1RB#24	22.00	22.50
Band5	5MHz	QPSK	20625	12RB#0	22.42	23.00
Band5	5MHz	16QAM	20625	12RB#0	21.71	22.00
Band5	5MHz	QPSK	20625	12RB#6	22.27	23.00
Band5	5MHz	16QAM	20625	12RB#6	21.73	22.00
Band5	5MHz	QPSK	20625	12RB#13	22.20	22.50
Band5	5MHz	16QAM	20625	12RB#13	21.70	22.00
Band5	5MHz	QPSK	20625	25RB#0	22.40	23.00



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Band5	5MHz	16QAM	20625	25RB#0	21.91	22.50
Band5	10MHz	QPSK	20450	1RB#0	23.06	23.50
Band5	10MHz	16QAM	20450	1RB#0	22.57	23.00
Band5	10MHz	QPSK	20450	1RB#24	22.87	23.50
Band5	10MHz	16QAM	20450	1RB#24	22.56	23.00
Band5	10MHz	QPSK	20450	1RB#49	22.85	23.50
Band5	10MHz	16QAM	20450	1RB#49	22.46	23.00
Band5	10MHz	QPSK	20450	25RB#0	22.00	22.50
Band5	10MHz	16QAM	20450	25RB#0	21.58	22.00
Band5	10MHz	QPSK	20450	25RB#12	21.97	22.50
Band5	10MHz	16QAM	20450	25RB#12	21.57	22.00
Band5	10MHz	QPSK	20450	25RB#25	21.85	22.50
Band5	10MHz	16QAM	20450	25RB#25	21.32	22.00
Band5	10MHz	QPSK	20450	50RB#0	21.98	22.50
Band5	10MHz	16QAM	20450	50RB#0	21.35	22.00
Band5	10MHz	QPSK	20525	1RB#0	22.82	23.50
Band5	10MHz	16QAM	20525	1RB#0	22.34	23.00
Band5	10MHz	QPSK	20525	1RB#24	22.80	23.50
Band5	10MHz	16QAM	20525	1RB#24	22.40	23.00
Band5	10MHz	QPSK	20525	1RB#49	22.71	23.00
Band5	10MHz	16QAM	20525	1RB#49	22.29	23.00
Band5	10MHz	QPSK	20525	25RB#0	21.88	22.50
Band5	10MHz	16QAM	20525	25RB#0	21.35	22.00
Band5	10MHz	QPSK	20525	25RB#12	21.90	22.50
Band5	10MHz	16QAM	20525	25RB#12	21.38	22.00
Band5	10MHz	QPSK	20525	25RB#25	21.81	22.50
Band5	10MHz	16QAM	20525	25RB#25	21.38	22.00
Band5	10MHz	QPSK	20525	50RB#0	21.84	22.50
Band5	10MHz	16QAM	20525	50RB#0	21.18	21.50
Band5	10MHz	QPSK	20600	1RB#0	22.95	23.50
Band5	10MHz	16QAM	20600	1RB#0	22.86	23.50
Band5	10MHz	QPSK	20600	1RB#24	22.67	23.00
Band5	10MHz	16QAM	20600	1RB#24	22.78	23.50
Band5	10MHz	QPSK	20600	1RB#49	22.30	23.00
Band5	10MHz	16QAM	20600	1RB#49	22.12	22.50
Band5	10MHz	QPSK	20600	25RB#0	21.78	22.50
Band5	10MHz	16QAM	20600	25RB#0	21.32	22.00
Band5	10MHz	QPSK	20600	25RB#12	21.78	22.50
Band5	10MHz	16QAM	20600	25RB#12	21.29	22.00
Band5	10MHz	QPSK	20600	25RB#25	21.89	22.50
Band5	10MHz	16QAM	20600	25RB#25	21.44	22.00
Band5	10MHz	QPSK	20600	50RB#0	22.12	22.50
Band5	10MHz	16QAM	20600	50RB#0	21.37	22.00



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7.1.4. Conducted Power Measurement Results(LTE Band 7)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band7	5MHz	QPSK	20775	1RB#0	21.24	21.50
Band7	5MHz	16QAM	20775	1RB#0	20.30	21.00
Band7	5MHz	QPSK	20775	1RB#12	21.36	22.00
Band7	5MHz	16QAM	20775	1RB#12	20.26	21.00
Band7	5MHz	QPSK	20775	1RB#24	20.70	21.00
Band7	5MHz	16QAM	20775	1RB#24	20.00	20.50
Band7	5MHz	QPSK	20775	12RB#0	20.53	21.00
Band7	5MHz	16QAM	20775	12RB#0	19.60	20.00
Band7	5MHz	QPSK	20775	12RB#6	20.53	21.00
Band7	5MHz	16QAM	20775	12RB#6	19.58	20.00
Band7	5MHz	QPSK	20775	12RB#13	20.49	21.00
Band7	5MHz	16QAM	20775	12RB#13	19.52	20.00
Band7	5MHz	QPSK	20775	25RB#0	20.51	21.00
Band7	5MHz	16QAM	20775	25RB#0	19.64	20.00
Band7	5MHz	QPSK	21100	1RB#0	20.99	21.50
Band7	5MHz	16QAM	21100	1RB#0	19.65	20.00
Band7	5MHz	QPSK	21100	1RB#12	20.99	21.50
Band7	5MHz	16QAM	21100	1RB#12	19.74	20.00
Band7	5MHz	QPSK	21100	1RB#24	21.03	21.50
Band7	5MHz	16QAM	21100	1RB#24	19.47	20.00
Band7	5MHz	QPSK	21100	12RB#0	20.17	20.50
Band7	5MHz	16QAM	21100	12RB#0	19.24	19.50
Band7	5MHz	QPSK	21100	12RB#6	20.20	20.50
Band7	5MHz	16QAM	21100	12RB#6	19.24	19.50
Band7	5MHz	QPSK	21100	12RB#13	20.27	21.00
Band7	5MHz	16QAM	21100	12RB#13	19.25	19.50
Band7	5MHz	QPSK	21100	25RB#0	20.14	20.50
Band7	5MHz	16QAM	21100	25RB#0	19.33	20.00
Band7	5MHz	QPSK	21425	1RB#0	21.11	21.50
Band7	5MHz	16QAM	21425	1RB#0	20.92	21.50
Band7	5MHz	QPSK	21425	1RB#12	21.59	22.00
Band7	5MHz	16QAM	21425	1RB#12	20.79	21.50
Band7	5MHz	QPSK	21425	1RB#24	21.28	22.00
Band7	5MHz	16QAM	21425	1RB#24	20.71	21.00
Band7	5MHz	QPSK	21425	12RB#0	21.26	22.00
Band7	5MHz	16QAM	21425	12RB#0	20.43	21.00
Band7	5MHz	QPSK	21425	12RB#6	21.25	21.50
Band7	5MHz	16QAM	21425	12RB#6	20.42	21.00
Band7	5MHz	QPSK	21425	12RB#13	21.43	22.00
Band7	5MHz	16QAM	21425	12RB#13	20.41	21.00
Band7	5MHz	QPSK	21425	25RB#0	21.35	22.00
Band7	5MHz	16QAM	21425	25RB#0	20.55	21.00
Band7	10MHz	QPSK	20800	1RB#0	20.73	21.00
Band7	10MHz	16QAM	20800	1RB#0	20.70	21.00
Band7	10MHz	QPSK	20800	1RB#24	20.45	21.00
Band7	10MHz	16QAM	20800	1RB#24	20.46	21.00
Band7	10MHz	QPSK	20800	1RB#49	20.34	21.00
Band7	10MHz	16QAM	20800	1RB#49	20.35	21.00
Band7	10MHz	QPSK	20800	25RB#0	20.63	21.00
Band7	10MHz	16QAM	20800	25RB#0	20.32	21.00
Band7	10MHz	QPSK	20800	25RB#12	20.65	21.00
Band7	10MHz	16QAM	20800	25RB#12	20.33	21.00
Band7	10MHz	QPSK	20800	25RB#25	20.46	21.00
Band7	10MHz	16QAM	20800	25RB#25	20.24	20.50
Band7	10MHz	QPSK	20800	50RB#0	20.53	21.00
Band7	10MHz	16QAM	20800	50RB#0	20.36	21.00
Band7	10MHz	QPSK	21100	1RB#0	21.88	22.50
Band7	10MHz	16QAM	21100	1RB#0	20.97	21.50
Band7	10MHz	QPSK	21100	1RB#24	22.04	22.50
Band7	10MHz	16QAM	21100	1RB#24	21.05	21.50
Band7	10MHz	QPSK	21100	1RB#49	22.15	22.50



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Band7	10MHz	16QAM	21100	1RB#49	20.55	21.00
Band7	10MHz	QPSK	21100	25RB#0	21.17	21.50
Band7	10MHz	16QAM	21100	25RB#0	20.27	21.00
Band7	10MHz	QPSK	21100	25RB#12	21.09	21.50
Band7	10MHz	16QAM	21100	25RB#12	20.28	21.00
Band7	10MHz	QPSK	21100	25RB#25	21.18	21.50
Band7	10MHz	16QAM	21100	25RB#25	20.34	21.00
Band7	10MHz	QPSK	21100	50RB#0	21.10	21.50
Band7	10MHz	16QAM	21100	50RB#0	20.26	21.00
Band7	10MHz	QPSK	21400	1RB#0	20.57	21.00
Band7	10MHz	16QAM	21400	1RB#0	20.48	21.00
Band7	10MHz	QPSK	21400	1RB#24	20.89	21.50
Band7	10MHz	16QAM	21400	1RB#24	20.87	21.50
Band7	10MHz	QPSK	21400	1RB#49	21.35	22.00
Band7	10MHz	16QAM	21400	1RB#49	21.04	21.50
Band7	10MHz	QPSK	21400	25RB#0	20.73	21.00
Band7	10MHz	16QAM	21400	25RB#0	20.34	21.00
Band7	10MHz	QPSK	21400	25RB#12	20.72	21.00
Band7	10MHz	16QAM	21400	25RB#12	20.31	21.00
Band7	10MHz	QPSK	21400	25RB#25	21.22	21.50
Band7	10MHz	16QAM	21400	25RB#25	20.35	21.00
Band7	10MHz	QPSK	21400	50RB#0	21.00	21.50
Band7	10MHz	16QAM	21400	50RB#0	20.45	21.00
Band7	15MHz	QPSK	20825	1RB#0	20.76	21.50
Band7	15MHz	16QAM	20825	1RB#0	20.73	21.00
Band7	15MHz	QPSK	20825	1RB#38	20.25	20.50
Band7	15MHz	16QAM	20825	1RB#38	20.25	20.50
Band7	15MHz	QPSK	20825	1RB#74	20.22	20.50
Band7	15MHz	16QAM	20825	1RB#74	20.25	20.50
Band7	15MHz	QPSK	20825	38RB#0	20.40	21.00
Band7	15MHz	16QAM	20825	38RB#0	20.39	21.00
Band7	15MHz	QPSK	20825	38RB#18	20.39	21.00
Band7	15MHz	16QAM	20825	38RB#18	20.39	21.00
Band7	15MHz	QPSK	20825	38RB#37	20.38	21.00
Band7	15MHz	16QAM	20825	38RB#37	20.38	21.00
Band7	15MHz	QPSK	20825	75RB#0	20.38	21.00
Band7	15MHz	16QAM	20825	75RB#0	20.36	21.00
Band7	15MHz	QPSK	21100	1RB#0	21.58	22.00
Band7	15MHz	16QAM	21100	1RB#0	21.19	21.50
Band7	15MHz	QPSK	21100	1RB#38	21.73	22.00
Band7	15MHz	16QAM	21100	1RB#38	21.35	22.00
Band7	15MHz	QPSK	21100	1RB#74	21.66	22.00
Band7	15MHz	16QAM	21100	1RB#74	21.47	22.00
Band7	15MHz	QPSK	21100	38RB#0	21.18	21.50
Band7	15MHz	16QAM	21100	38RB#0	21.18	21.50
Band7	15MHz	QPSK	21100	38RB#18	21.19	21.50
Band7	15MHz	16QAM	21100	38RB#18	21.19	21.50
Band7	15MHz	QPSK	21100	38RB#37	21.19	21.50
Band7	15MHz	16QAM	21100	38RB#37	21.19	21.50
Band7	15MHz	QPSK	21100	75RB#0	21.19	21.50
Band7	15MHz	16QAM	21100	75RB#0	20.35	21.00
Band7	15MHz	QPSK	21375	1RB#0	20.67	21.00
Band7	15MHz	16QAM	21375	1RB#0	20.38	21.00
Band7	15MHz	QPSK	21375	1RB#38	20.84	21.50
Band7	15MHz	16QAM	21375	1RB#38	20.64	21.00
Band7	15MHz	QPSK	21375	1RB#74	21.19	21.50
Band7	15MHz	16QAM	21375	1RB#74	20.99	21.50
Band7	15MHz	QPSK	21375	38RB#0	20.91	21.50
Band7	15MHz	16QAM	21375	38RB#0	20.90	21.50
Band7	15MHz	QPSK	21375	38RB#18	20.90	21.50
Band7	15MHz	16QAM	21375	38RB#18	20.90	21.50
Band7	15MHz	QPSK	21375	38RB#37	20.89	21.50
Band7	15MHz	16QAM	21375	38RB#37	20.89	21.50
Band7	15MHz	QPSK	21375	75RB#0	20.89	21.50
Band7	15MHz	16QAM	21375	75RB#0	20.53	21.00
Band7	20MHz	QPSK	20850	1RB#0	20.84	21.50



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Band7	20MHz	16QAM	20850	1RB#0	20.67	21.00
Band7	20MHz	QPSK	20850	1RB#49	20.20	20.50
Band7	20MHz	16QAM	20850	1RB#49	20.07	20.50
Band7	20MHz	QPSK	20850	1RB#99	21.35	22.00
Band7	20MHz	16QAM	20850	1RB#99	20.52	21.00
Band7	20MHz	QPSK	20850	50RB#0	20.31	21.00
Band7	20MHz	16QAM	20850	50RB#0	20.33	21.00
Band7	20MHz	QPSK	20850	50RB#25	20.31	21.00
Band7	20MHz	16QAM	20850	50RB#25	20.33	21.00
Band7	20MHz	QPSK	20850	50RB#50	20.63	21.00
Band7	20MHz	16QAM	20850	50RB#50	20.26	21.00
Band7	20MHz	QPSK	20850	100RB#0	20.46	21.00
Band7	20MHz	16QAM	20850	100RB#0	20.29	21.00
Band7	20MHz	QPSK	21100	1RB#0	21.93	22.50
Band7	20MHz	16QAM	21100	1RB#0	21.47	22.00
Band7	20MHz	QPSK	21100	1RB#49	22.05	22.50
Band7	20MHz	16QAM	21100	1RB#49	21.66	22.00
Band7	20MHz	QPSK	21100	1RB#99	22.10	22.50
Band7	20MHz	16QAM	21100	1RB#99	21.84	22.50
Band7	20MHz	QPSK	21100	50RB#0	21.17	21.50
Band7	20MHz	16QAM	21100	50RB#0	20.38	21.00
Band7	20MHz	QPSK	21100	50RB#25	21.11	21.50
Band7	20MHz	16QAM	21100	50RB#25	20.24	20.50
Band7	20MHz	QPSK	21100	50RB#50	21.30	22.00
Band7	20MHz	16QAM	21100	50RB#50	20.44	21.00
Band7	20MHz	QPSK	21100	100RB#0	21.22	21.50
Band7	20MHz	16QAM	21100	100RB#0	20.33	21.00
Band7	20MHz	QPSK	21350	1RB#0	21.11	21.50
Band7	20MHz	16QAM	21350	1RB#0	20.89	21.50
Band7	20MHz	QPSK	21350	1RB#49	20.65	21.00
Band7	20MHz	16QAM	21350	1RB#49	20.52	21.00
Band7	20MHz	QPSK	21350	1RB#99	21.59	22.00
Band7	20MHz	16QAM	21350	1RB#99	21.21	21.50
Band7	20MHz	QPSK	21350	50RB#0	20.68	21.00
Band7	20MHz	16QAM	21350	50RB#0	20.63	21.00
Band7	20MHz	QPSK	21350	50RB#25	20.66	21.00
Band7	20MHz	16QAM	21350	50RB#25	20.63	21.00
Band7	20MHz	QPSK	21350	50RB#50	21.13	21.50
Band7	20MHz	16QAM	21350	50RB#50	20.62	21.00
Band7	20MHz	QPSK	21350	100RB#0	20.90	21.50
Band7	20MHz	16QAM	21350	100RB#0	20.54	21.00



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7.1.5. Conducted Power Measurement Results(LTE Band 38)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band38	5MHz	QPSK	37775	25RB#0	20.05	20.50
Band38	5MHz	16QAM	37775	25RB#0	19.32	20.00
Band38	5MHz	QPSK	38000	25RB#0	19.62	20.00
Band38	5MHz	16QAM	38000	25RB#0	18.87	19.50
Band38	5MHz	QPSK	38225	25RB#0	20.52	21.00
Band38	5MHz	16QAM	38225	25RB#0	19.81	20.50
Band38	10MHz	QPSK	37800	50RB#0	21.03	21.50
Band38	10MHz	16QAM	37800	50RB#0	20.25	20.50
Band38	10MHz	QPSK	38000	50RB#0	20.70	21.00
Band38	10MHz	16QAM	38000	50RB#0	19.98	20.50
Band38	10MHz	QPSK	38200	50RB#0	20.59	21.00
Band38	10MHz	16QAM	38200	50RB#0	19.84	20.50
Band38	15MHz	QPSK	37825	75RB#0	21.11	21.50
Band38	15MHz	16QAM	37825	75RB#0	20.42	21.00
Band38	15MHz	QPSK	38000	75RB#0	20.83	21.50
Band38	15MHz	16QAM	38000	75RB#0	20.10	20.50
Band38	15MHz	QPSK	38175	75RB#0	20.57	21.00
Band38	15MHz	16QAM	38175	75RB#0	19.91	20.50
Band38	20MHz	QPSK	37850	100RB#0	3.66	4.00
Band38	20MHz	16QAM	37850	100RB#0	2.77	3.50
Band38	20MHz	QPSK	38000	1RB#0	22.36	22.50
Band38	20MHz	QPSK	38000	1RB#50	22.28	22.50
Band38	20MHz	QPSK	38000	1RB#99	22.21	22.50
Band38	20MHz	QPSK	38000	50RB#0	21.17	21.50
Band38	20MHz	QPSK	38000	50RB#25	21.13	21.50
Band38	20MHz	QPSK	38000	50RB#50	21.10	21.50
Band38	20MHz	QPSK	38000	100RB#0	3.41	4.00
Band38	20MHz	16QAM	38000	100RB#0	2.51	3.00
Band38	20MHz	QPSK	38150	100RB#0	2.96	3.50
Band38	20MHz	16QAM	38150	100RB#0	2.38	3.00



**7.1.6. Conducted Power Measurement Results(LTE Band 41)**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band41	5MHz	QPSK	39675	1RB#0	21.74	22.00
Band41	5MHz	16QAM	39675	1RB#0	21.49	22.00
Band41	5MHz	QPSK	39675	1RB#12	21.67	22.00
Band41	5MHz	16QAM	39675	1RB#12	21.92	22.50
Band41	5MHz	QPSK	39675	1RB#24	21.66	22.00
Band41	5MHz	16QAM	39675	1RB#24	21.43	22.00
Band41	5MHz	QPSK	39675	12RB#0	20.86	21.50
Band41	5MHz	16QAM	39675	12RB#0	20.08	20.50
Band41	5MHz	QPSK	39675	12RB#6	20.86	21.50
Band41	5MHz	16QAM	39675	12RB#6	19.99	20.50
Band41	5MHz	QPSK	39675	12RB#13	20.82	21.50
Band41	5MHz	16QAM	39675	12RB#13	20.00	20.50
Band41	5MHz	QPSK	39675	25RB#0	20.84	21.50
Band41	5MHz	16QAM	39675	25RB#0	20.17	20.50
Band41	5MHz	QPSK	40620	1RB#0	21.68	22.00
Band41	5MHz	16QAM	40620	1RB#0	21.20	21.50
Band41	5MHz	QPSK	40620	1RB#12	21.56	22.00
Band41	5MHz	16QAM	40620	1RB#12	21.38	22.00
Band41	5MHz	QPSK	40620	1RB#24	21.55	22.00
Band41	5MHz	16QAM	40620	1RB#24	21.12	21.50
Band41	5MHz	QPSK	40620	12RB#0	20.69	21.00
Band41	5MHz	16QAM	40620	12RB#0	19.85	20.50
Band41	5MHz	QPSK	40620	12RB#6	20.69	21.00
Band41	5MHz	16QAM	40620	12RB#6	19.90	20.50
Band41	5MHz	QPSK	40620	12RB#13	20.68	21.00
Band41	5MHz	16QAM	40620	12RB#13	19.84	20.50
Band41	5MHz	QPSK	40620	25RB#0	20.70	21.00
Band41	5MHz	16QAM	40620	25RB#0	20.01	20.50
Band41	5MHz	QPSK	41565	1RB#0	21.41	22.00
Band41	5MHz	16QAM	41565	1RB#0	20.96	21.50
Band41	5MHz	QPSK	41565	1RB#12	21.44	22.00
Band41	5MHz	16QAM	41565	1RB#12	21.08	21.50
Band41	5MHz	QPSK	41565	1RB#24	21.44	22.00
Band41	5MHz	16QAM	41565	1RB#24	21.33	22.00
Band41	5MHz	QPSK	41565	12RB#0	20.81	21.50
Band41	5MHz	16QAM	41565	12RB#0	19.87	20.50
Band41	5MHz	QPSK	41565	12RB#6	20.70	21.00
Band41	5MHz	16QAM	41565	12RB#6	19.93	20.50
Band41	5MHz	QPSK	41565	12RB#13	20.77	21.50
Band41	5MHz	16QAM	41565	12RB#13	19.87	20.50
Band41	5MHz	QPSK	41565	25RB#0	20.68	21.00
Band41	5MHz	16QAM	41565	25RB#0	19.95	20.50
Band41	10MHz	QPSK	39700	1RB#0	22.57	23.00
Band41	10MHz	16QAM	39700	1RB#0	22.24	22.50
Band41	10MHz	QPSK	39700	1RB#24	22.51	23.00
Band41	10MHz	16QAM	39700	1RB#24	22.22	22.50
Band41	10MHz	QPSK	39700	1RB#49	22.45	23.00
Band41	10MHz	16QAM	39700	1RB#49	22.18	22.50
Band41	10MHz	QPSK	39700	25RB#0	21.52	22.00
Band41	10MHz	16QAM	39700	25RB#0	20.81	21.50
Band41	10MHz	QPSK	39700	25RB#12	21.50	22.00
Band41	10MHz	16QAM	39700	25RB#12	20.81	21.50
Band41	10MHz	QPSK	39700	25RB#25	21.40	22.00
Band41	10MHz	16QAM	39700	25RB#25	20.73	21.00
Band41	10MHz	QPSK	39700	50RB#0	21.55	22.00
Band41	10MHz	16QAM	39700	50RB#0	20.77	21.50
Band41	10MHz	QPSK	40620	1RB#0	22.14	22.50
Band41	10MHz	16QAM	40620	1RB#0	21.86	22.50
Band41	10MHz	QPSK	40620	1RB#24	22.08	22.50
Band41	10MHz	16QAM	40620	1RB#24	21.55	22.00
Band41	10MHz	QPSK	40620	1RB#49	21.92	22.50
Band41	10MHz	16QAM	40620	1RB#49	21.57	22.00



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Band41	10MHz	QPSK	40620	25RB#0	21.08	21.50
Band41	10MHz	16QAM	40620	25RB#0	20.28	21.00
Band41	10MHz	QPSK	40620	25RB#12	21.09	21.50
Band41	10MHz	16QAM	40620	25RB#12	20.28	21.00
Band41	10MHz	QPSK	40620	25RB#25	21.05	21.50
Band41	10MHz	16QAM	40620	25RB#25	20.19	20.50
Band41	10MHz	QPSK	40620	50RB#0	20.99	21.50
Band41	10MHz	16QAM	40620	50RB#0	20.29	21.00
Band41	10MHz	QPSK	41540	1RB#0	21.80	22.50
Band41	10MHz	16QAM	41540	1RB#0	21.43	22.00
Band41	10MHz	QPSK	41540	1RB#24	21.81	22.50
Band41	10MHz	16QAM	41540	1RB#24	21.51	22.00
Band41	10MHz	QPSK	41540	1RB#49	21.81	22.50
Band41	10MHz	16QAM	41540	1RB#49	21.46	22.00
Band41	10MHz	QPSK	41540	25RB#0	20.72	21.00
Band41	10MHz	16QAM	41540	25RB#0	19.90	20.50
Band41	10MHz	QPSK	41540	25RB#12	20.73	21.00
Band41	10MHz	16QAM	41540	25RB#12	19.90	20.50
Band41	10MHz	QPSK	41540	25RB#25	20.67	21.00
Band41	10MHz	16QAM	41540	25RB#25	19.93	20.50
Band41	10MHz	QPSK	41540	50RB#0	20.80	21.50
Band41	10MHz	16QAM	41540	50RB#0	20.07	20.50
Band41	15MHz	QPSK	39725	1RB#0	22.62	23.00
Band41	15MHz	16QAM	39725	1RB#0	22.26	23.00
Band41	15MHz	QPSK	39725	1RB#38	22.49	23.00
Band41	15MHz	16QAM	39725	1RB#38	22.19	22.50
Band41	15MHz	QPSK	39725	1RB#74	21.83	22.50
Band41	15MHz	16QAM	39725	1RB#74	21.25	21.50
Band41	15MHz	QPSK	39725	38RB#0	21.12	21.50
Band41	15MHz	16QAM	39725	38RB#0	21.07	21.50
Band41	15MHz	QPSK	39725	38RB#18	21.14	21.50
Band41	15MHz	16QAM	39725	38RB#18	21.14	21.50
Band41	15MHz	QPSK	39725	38RB#37	21.14	21.50
Band41	15MHz	16QAM	39725	38RB#37	21.14	21.50
Band41	15MHz	QPSK	39725	75RB#0	21.14	21.50
Band41	15MHz	16QAM	39725	75RB#0	20.50	21.00
Band41	15MHz	QPSK	40620	1RB#0	22.19	22.50
Band41	15MHz	16QAM	40620	1RB#0	21.80	22.50
Band41	15MHz	QPSK	40620	1RB#38	22.05	22.50
Band41	15MHz	16QAM	40620	1RB#38	21.74	22.00
Band41	15MHz	QPSK	40620	1RB#74	21.86	22.50
Band41	15MHz	16QAM	40620	1RB#74	21.64	22.00
Band41	15MHz	QPSK	40620	38RB#0	21.03	21.50
Band41	15MHz	16QAM	40620	38RB#0	21.03	21.50
Band41	15MHz	QPSK	40620	38RB#18	21.04	21.50
Band41	15MHz	16QAM	40620	38RB#18	21.04	21.50
Band41	15MHz	QPSK	40620	38RB#37	21.04	21.50
Band41	15MHz	16QAM	40620	38RB#37	21.04	21.50
Band41	15MHz	QPSK	40620	75RB#0	21.04	21.50
Band41	15MHz	16QAM	40620	75RB#0	20.28	21.00
Band41	15MHz	QPSK	41515	1RB#0	21.74	22.00
Band41	15MHz	16QAM	41515	1RB#0	21.38	22.00
Band41	15MHz	QPSK	41515	1RB#38	21.78	22.50
Band41	15MHz	16QAM	41515	1RB#38	21.47	22.00
Band41	15MHz	QPSK	41515	1RB#74	21.79	22.50
Band41	15MHz	16QAM	41515	1RB#74	21.45	22.00
Band41	15MHz	QPSK	41515	38RB#0	20.73	21.00
Band41	15MHz	16QAM	41515	38RB#0	20.74	21.00
Band41	15MHz	QPSK	41515	38RB#18	20.74	21.00
Band41	15MHz	16QAM	41515	38RB#18	20.74	21.00
Band41	15MHz	QPSK	41515	38RB#37	20.75	21.00
Band41	15MHz	16QAM	41515	38RB#37	20.75	21.00
Band41	15MHz	QPSK	41515	75RB#0	20.75	21.00
Band41	15MHz	16QAM	41515	75RB#0	20.04	20.50
Band41	20MHz	QPSK	39750	1RB#0	22.23	22.50
Band41	20MHz	16QAM	39750	1RB#0	21.62	22.00



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Band41	20MHz	QPSK	39750	1RB#49	22.10	22.50
Band41	20MHz	16QAM	39750	1RB#49	21.49	22.00
Band41	20MHz	QPSK	39750	1RB#99	21.87	22.50
Band41	20MHz	16QAM	39750	1RB#99	21.27	22.00
Band41	20MHz	QPSK	39750	50RB#0	21.47	22.00
Band41	20MHz	16QAM	39750	50RB#0	20.99	21.50
Band41	20MHz	QPSK	39750	50RB#25	21.47	22.00
Band41	20MHz	16QAM	39750	50RB#25	20.98	21.50
Band41	20MHz	QPSK	39750	50RB#50	21.38	22.00
Band41	20MHz	16QAM	39750	50RB#50	20.81	21.50
Band41	20MHz	QPSK	39750	100RB#0	21.36	22.00
Band41	20MHz	16QAM	39750	100RB#0	20.66	21.00
Band41	20MHz	QPSK	40620	1RB#0	21.86	22.50
Band41	20MHz	16QAM	40620	1RB#0	21.83	22.50
Band41	20MHz	QPSK	40620	1RB#49	21.67	22.00
Band41	20MHz	16QAM	40620	1RB#49	21.33	22.00
Band41	20MHz	QPSK	40620	1RB#99	21.66	22.00
Band41	20MHz	16QAM	40620	1RB#99	21.38	22.00
Band41	20MHz	QPSK	40620	50RB#0	21.09	21.50
Band41	20MHz	16QAM	40620	50RB#0	20.47	21.00
Band41	20MHz	QPSK	40620	50RB#25	21.11	21.50
Band41	20MHz	16QAM	40620	50RB#25	20.53	21.00
Band41	20MHz	QPSK	40620	50RB#50	20.84	21.50
Band41	20MHz	16QAM	40620	50RB#50	20.34	21.00
Band41	20MHz	QPSK	40620	100RB#0	20.99	21.50
Band41	20MHz	16QAM	40620	100RB#0	20.28	21.00
Band41	20MHz	QPSK	41490	1RB#0	21.53	22.00
Band41	20MHz	16QAM	41490	1RB#0	21.59	22.00
Band41	20MHz	QPSK	41490	1RB#49	21.49	22.00
Band41	20MHz	16QAM	41490	1RB#49	21.48	22.00
Band41	20MHz	QPSK	41490	1RB#99	21.47	22.00
Band41	20MHz	16QAM	41490	1RB#99	21.47	22.00
Band41	20MHz	QPSK	41490	50RB#0	20.70	21.00
Band41	20MHz	16QAM	41490	50RB#0	20.16	20.50
Band41	20MHz	QPSK	41490	50RB#25	20.71	21.00
Band41	20MHz	16QAM	41490	50RB#25	20.13	20.50
Band41	20MHz	QPSK	41490	50RB#50	20.82	21.50
Band41	20MHz	16QAM	41490	50RB#50	20.14	20.50
Band41	20MHz	QPSK	41490	100RB#0	20.78	21.50
Band41	20MHz	16QAM	41490	100RB#0	20.05	20.50



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**7.1.7. Conducted Power Measurement Results(5G NR Band n5)**

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune up(dBm)
n5	5MHz	15kHz	174300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.61	22.00
n5	5MHz	15kHz	174300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.61	22.00
n5	5MHz	15kHz	174300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.71	22.00
n5	5MHz	15kHz	174300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.06	21.50
n5	5MHz	15kHz	174300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.17	21.50
n5	5MHz	15kHz	174300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.16	21.50
n5	5MHz	15kHz	174300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.63	22.00
n5	5MHz	15kHz	174300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.65	22.00
n5	5MHz	15kHz	174300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.70	22.00
n5	5MHz	15kHz	174300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.64	21.00
n5	5MHz	15kHz	174300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.72	21.00
n5	5MHz	15kHz	174300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.71	21.00
n5	5MHz	15kHz	174300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.56	21.00
n5	5MHz	15kHz	174300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.63	21.00
n5	5MHz	15kHz	174300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.69	21.00
n5	5MHz	15kHz	174300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.95	19.50
n5	5MHz	15kHz	174300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.96	19.50
n5	5MHz	15kHz	174300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.13	19.50
n5	5MHz	15kHz	174300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.87	17.50
n5	5MHz	15kHz	174300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.88	17.50
n5	5MHz	15kHz	174300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.16	17.50
n5	5MHz	15kHz	174300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.20	20.50
n5	5MHz	15kHz	174300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.12	20.50
n5	5MHz	15kHz	174300	24	CP-OFDM QPSK^Inner_Full:PC3	20.18	20.50
n5	5MHz	15kHz	174300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.88	20.50
n5	5MHz	15kHz	174300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.91	20.50
n5	5MHz	15kHz	174300	27	CP-OFDM 16QAM^Inner_Full:PC3	19.63	20.00
n5	5MHz	15kHz	174300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.33	19.00
n5	5MHz	15kHz	174300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.33	19.00
n5	5MHz	15kHz	174300	30	CP-OFDM 64QAM^Inner_Full:PC3	18.13	18.50
n5	5MHz	15kHz	174300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.22	15.50
n5	5MHz	15kHz	174300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.98	15.50
n5	5MHz	15kHz	174300	33	CP-OFDM 256QAM^Inner_Full:PC3	15.26	16.00



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n5	5MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.55	22.00
n5	5MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.62	22.00
n5	5MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.69	22.00
n5	5MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.11	21.50
n5	5MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.09	21.50
n5	5MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.13	21.50
n5	5MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.68	22.00
n5	5MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.76	22.50
n5	5MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.70	22.00
n5	5MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.68	21.00
n5	5MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.73	21.00
n5	5MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.63	21.00
n5	5MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.78	21.50
n5	5MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.81	21.50
n5	5MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.66	21.00
n5	5MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.31	20.00
n5	5MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.29	20.00
n5	5MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.21	19.50
n5	5MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.79	17.50
n5	5MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.91	17.50
n5	5MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.18	17.50
n5	5MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.18	20.50
n5	5MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.13	20.50
n5	5MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	20.19	20.50
n5	5MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.66	20.00
n5	5MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.93	20.50
n5	5MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	19.61	20.00
n5	5MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.30	19.00
n5	5MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.18	18.50
n5	5MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	18.09	18.50
n5	5MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.10	15.50
n5	5MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.16	15.50
n5	5MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	15.23	15.50
n5	5MHz	15kHz	178300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.60	22.00
n5	5MHz	15kHz	178300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.63	22.00



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n5	5MHz	15kHz	178300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.74	22.00
n5	5MHz	15kHz	178300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.17	21.50
n5	5MHz	15kHz	178300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.18	21.50
n5	5MHz	15kHz	178300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.24	21.50
n5	5MHz	15kHz	178300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.70	22.00
n5	5MHz	15kHz	178300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.78	22.50
n5	5MHz	15kHz	178300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.72	22.00
n5	5MHz	15kHz	178300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.69	21.00
n5	5MHz	15kHz	178300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.77	21.50
n5	5MHz	15kHz	178300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.72	21.00
n5	5MHz	15kHz	178300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.89	21.50
n5	5MHz	15kHz	178300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.89	21.50
n5	5MHz	15kHz	178300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.68	21.00
n5	5MHz	15kHz	178300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.32	20.00
n5	5MHz	15kHz	178300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.33	20.00
n5	5MHz	15kHz	178300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.21	19.50
n5	5MHz	15kHz	178300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.81	17.50
n5	5MHz	15kHz	178300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.89	17.50
n5	5MHz	15kHz	178300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.20	17.50
n5	5MHz	15kHz	178300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.23	20.50
n5	5MHz	15kHz	178300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.28	21.00
n5	5MHz	15kHz	178300	24	CP-OFDM QPSK^Inner_Full:PC3	20.23	20.50
n5	5MHz	15kHz	178300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.00	20.50
n5	5MHz	15kHz	178300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.02	20.50
n5	5MHz	15kHz	178300	27	CP-OFDM 16QAM^Inner_Full:PC3	19.66	20.00
n5	5MHz	15kHz	178300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.19	18.50
n5	5MHz	15kHz	178300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.46	19.00
n5	5MHz	15kHz	178300	30	CP-OFDM 64QAM^Inner_Full:PC3	18.12	18.50
n5	5MHz	15kHz	178300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.08	15.50
n5	5MHz	15kHz	178300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.24	15.50
n5	5MHz	15kHz	178300	33	CP-OFDM 256QAM^Inner_Full:PC3	15.30	16.00
n5	10MHz	15kHz	174800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.42	22.00
n5	10MHz	15kHz	174800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.41	22.00
n5	10MHz	15kHz	174800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.49	22.00
n5	10MHz	15kHz	174800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.87	21.50



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n5	10MHz	15kHz	174800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.91	21.50
n5	10MHz	15kHz	174800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.98	21.50
n5	10MHz	15kHz	174800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.40	22.00
n5	10MHz	15kHz	174800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.45	22.00
n5	10MHz	15kHz	174800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.52	22.00
n5	10MHz	15kHz	174800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.44	21.00
n5	10MHz	15kHz	174800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.46	21.00
n5	10MHz	15kHz	174800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.44	21.00
n5	10MHz	15kHz	174800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.44	21.00
n5	10MHz	15kHz	174800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.57	21.00
n5	10MHz	15kHz	174800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.44	21.00
n5	10MHz	15kHz	174800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.81	19.50
n5	10MHz	15kHz	174800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.86	19.50
n5	10MHz	15kHz	174800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.97	19.50
n5	10MHz	15kHz	174800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.56	17.00
n5	10MHz	15kHz	174800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.75	17.00
n5	10MHz	15kHz	174800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.96	17.50
n5	10MHz	15kHz	174800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.95	20.50
n5	10MHz	15kHz	174800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.95	20.50
n5	10MHz	15kHz	174800	24	CP-OFDM QPSK^Inner_Full:PC3	19.94	20.50
n5	10MHz	15kHz	174800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.79	20.50
n5	10MHz	15kHz	174800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.77	20.50
n5	10MHz	15kHz	174800	27	CP-OFDM 16QAM^Inner_Full:PC3	19.50	20.00
n5	10MHz	15kHz	174800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.16	18.50
n5	10MHz	15kHz	174800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.18	18.50
n5	10MHz	15kHz	174800	30	CP-OFDM 64QAM^Inner_Full:PC3	17.89	18.50
n5	10MHz	15kHz	174800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.94	15.50
n5	10MHz	15kHz	174800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.98	15.50
n5	10MHz	15kHz	174800	33	CP-OFDM 256QAM^Inner_Full:PC3	15.05	15.50
n5	10MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.44	22.00
n5	10MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.47	22.00
n5	10MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.53	22.00
n5	10MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.91	21.50
n5	10MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.93	21.50
n5	10MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.99	21.50



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n5	10MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.49	22.00
n5	10MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.58	22.00
n5	10MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.51	22.00
n5	10MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.49	21.00
n5	10MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.56	21.00
n5	10MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.54	21.00
n5	10MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.63	21.00
n5	10MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.66	21.00
n5	10MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.51	21.00
n5	10MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.09	19.50
n5	10MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.07	19.50
n5	10MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.98	19.50
n5	10MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.73	17.00
n5	10MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.75	17.00
n5	10MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.96	17.50
n5	10MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.90	20.50
n5	10MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.98	20.50
n5	10MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	19.97	20.50
n5	10MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.68	20.00
n5	10MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.88	20.50
n5	10MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	19.50	20.00
n5	10MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.99	18.50
n5	10MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.30	19.00
n5	10MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	17.95	18.50
n5	10MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.88	15.50
n5	10MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.00	15.50
n5	10MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	15.01	15.50
n5	10MHz	15kHz	177800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.43	22.00
n5	10MHz	15kHz	177800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.46	22.00
n5	10MHz	15kHz	177800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.59	22.00
n5	10MHz	15kHz	177800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.94	21.50
n5	10MHz	15kHz	177800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.95	21.50
n5	10MHz	15kHz	177800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.05	21.50
n5	10MHz	15kHz	177800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.50	22.00
n5	10MHz	15kHz	177800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.57	22.00



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n5	10MHz	15kHz	177800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.59	22.00
n5	10MHz	15kHz	177800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.55	21.00
n5	10MHz	15kHz	177800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.57	21.00
n5	10MHz	15kHz	177800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.57	21.00
n5	10MHz	15kHz	177800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.59	21.00
n5	10MHz	15kHz	177800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.70	21.00
n5	10MHz	15kHz	177800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.58	21.00
n5	10MHz	15kHz	177800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.09	19.50
n5	10MHz	15kHz	177800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.21	19.50
n5	10MHz	15kHz	177800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.04	19.50
n5	10MHz	15kHz	177800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.76	17.50
n5	10MHz	15kHz	177800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.64	17.00
n5	10MHz	15kHz	177800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.06	17.50
n5	10MHz	15kHz	177800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.91	20.50
n5	10MHz	15kHz	177800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.01	20.50
n5	10MHz	15kHz	177800	24	CP-OFDM QPSK^Inner_Full:PC3	20.03	20.50
n5	10MHz	15kHz	177800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.78	20.50
n5	10MHz	15kHz	177800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.83	20.50
n5	10MHz	15kHz	177800	27	CP-OFDM 16QAM^Inner_Full:PC3	19.61	20.00
n5	10MHz	15kHz	177800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.17	18.50
n5	10MHz	15kHz	177800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.25	18.50
n5	10MHz	15kHz	177800	30	CP-OFDM 64QAM^Inner_Full:PC3	18.01	18.50
n5	10MHz	15kHz	177800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.95	15.50
n5	10MHz	15kHz	177800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.96	15.50
n5	10MHz	15kHz	177800	33	CP-OFDM 256QAM^Inner_Full:PC3	15.08	15.50
n5	15MHz	15kHz	175300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.52	22.00
n5	15MHz	15kHz	175300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.54	22.00
n5	15MHz	15kHz	175300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.70	22.00
n5	15MHz	15kHz	175300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.99	21.50
n5	15MHz	15kHz	175300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.98	21.50
n5	15MHz	15kHz	175300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.15	21.50
n5	15MHz	15kHz	175300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.58	22.00
n5	15MHz	15kHz	175300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.60	22.00
n5	15MHz	15kHz	175300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.63	22.00
n5	15MHz	15kHz	175300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.55	21.00



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n5	15MHz	15kHz	175300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.56	21.00
n5	15MHz	15kHz	175300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.63	21.00
n5	15MHz	15kHz	175300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.68	21.00
n5	15MHz	15kHz	175300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.70	21.00
n5	15MHz	15kHz	175300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.66	21.00
n5	15MHz	15kHz	175300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.19	19.50
n5	15MHz	15kHz	175300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.19	19.50
n5	15MHz	15kHz	175300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.15	19.50
n5	15MHz	15kHz	175300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.84	17.50
n5	15MHz	15kHz	175300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.67	17.00
n5	15MHz	15kHz	175300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.12	17.50
n5	15MHz	15kHz	175300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.07	20.50
n5	15MHz	15kHz	175300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.97	20.50
n5	15MHz	15kHz	175300	24	CP-OFDM QPSK^Inner_Full:PC3	20.16	20.50
n5	15MHz	15kHz	175300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.91	20.50
n5	15MHz	15kHz	175300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.82	20.50
n5	15MHz	15kHz	175300	27	CP-OFDM 16QAM^Inner_Full:PC3	19.73	20.00
n5	15MHz	15kHz	175300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.29	19.00
n5	15MHz	15kHz	175300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.03	18.50
n5	15MHz	15kHz	175300	30	CP-OFDM 64QAM^Inner_Full:PC3	18.11	18.50
n5	15MHz	15kHz	175300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.01	15.50
n5	15MHz	15kHz	175300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.05	15.50
n5	15MHz	15kHz	175300	33	CP-OFDM 256QAM^Inner_Full:PC3	15.13	15.50
n5	15MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.56	22.00
n5	15MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.54	22.00
n5	15MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.67	22.00
n5	15MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.00	21.50
n5	15MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.08	21.50
n5	15MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.14	21.50
n5	15MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.58	22.00
n5	15MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.67	22.00
n5	15MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.61	22.00
n5	15MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.63	21.00
n5	15MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.60	21.00
n5	15MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.71	21.00



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n5	15MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.75	21.00
n5	15MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.79	21.50
n5	15MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.65	21.00
n5	15MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.24	19.50
n5	15MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.27	20.00
n5	15MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.18	19.50
n5	15MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.86	17.50
n5	15MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.89	17.50
n5	15MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.12	17.50
n5	15MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.21	20.50
n5	15MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.19	20.50
n5	15MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	20.16	20.50
n5	15MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.83	20.50
n5	15MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.98	20.50
n5	15MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	19.74	20.00
n5	15MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.16	18.50
n5	15MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.31	19.00
n5	15MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	18.12	18.50
n5	15MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.09	15.50
n5	15MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.13	15.50
n5	15MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	15.22	15.50
n5	15MHz	15kHz	177300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.52	22.00
n5	15MHz	15kHz	177300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.55	22.00
n5	15MHz	15kHz	177300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.66	22.00
n5	15MHz	15kHz	177300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.97	21.50
n5	15MHz	15kHz	177300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.11	21.50
n5	15MHz	15kHz	177300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.22	21.50
n5	15MHz	15kHz	177300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.56	22.00
n5	15MHz	15kHz	177300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.63	22.00
n5	15MHz	15kHz	177300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.73	22.00
n5	15MHz	15kHz	177300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.65	21.00
n5	15MHz	15kHz	177300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.70	21.00
n5	15MHz	15kHz	177300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.74	21.00
n5	15MHz	15kHz	177300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.74	21.00
n5	15MHz	15kHz	177300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.84	21.50



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n5	15MHz	15kHz	177300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.65	21.00
n5	15MHz	15kHz	177300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.23	19.50
n5	15MHz	15kHz	177300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.27	20.00
n5	15MHz	15kHz	177300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.18	19.50
n5	15MHz	15kHz	177300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.96	17.50
n5	15MHz	15kHz	177300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.78	17.50
n5	15MHz	15kHz	177300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.17	17.50
n5	15MHz	15kHz	177300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.07	20.50
n5	15MHz	15kHz	177300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.23	20.50
n5	15MHz	15kHz	177300	24	CP-OFDM QPSK^Inner_Full:PC3	20.21	20.50
n5	15MHz	15kHz	177300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.76	20.50
n5	15MHz	15kHz	177300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.96	20.50
n5	15MHz	15kHz	177300	27	CP-OFDM 16QAM^Inner_Full:PC3	19.76	20.50
n5	15MHz	15kHz	177300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.26	19.00
n5	15MHz	15kHz	177300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.42	19.00
n5	15MHz	15kHz	177300	30	CP-OFDM 64QAM^Inner_Full:PC3	18.12	18.50
n5	15MHz	15kHz	177300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.16	15.50
n5	15MHz	15kHz	177300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.10	15.50
n5	15MHz	15kHz	177300	33	CP-OFDM 256QAM^Inner_Full:PC3	15.25	15.50
n5	20MHz	15kHz	175800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.49	22.00
n5	20MHz	15kHz	175800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.52	22.00
n5	20MHz	15kHz	175800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.67	22.00
n5	20MHz	15kHz	175800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.93	21.50
n5	20MHz	15kHz	175800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.98	21.50
n5	20MHz	15kHz	175800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.16	21.50
n5	20MHz	15kHz	175800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.60	22.00
n5	20MHz	15kHz	175800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.60	22.00
n5	20MHz	15kHz	175800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.71	22.00
n5	20MHz	15kHz	175800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.48	21.00
n5	20MHz	15kHz	175800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.50	21.00
n5	20MHz	15kHz	175800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.69	21.00
n5	20MHz	15kHz	175800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.56	21.00
n5	20MHz	15kHz	175800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.79	21.50
n5	20MHz	15kHz	175800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n5	20MHz	15kHz	175800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.14	19.50



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n5	20MHz	15kHz	175800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.19	19.50
n5	20MHz	15kHz	175800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.13	19.50
n5	20MHz	15kHz	175800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.84	17.50
n5	20MHz	15kHz	175800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.88	17.50
n5	20MHz	15kHz	175800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.13	17.50
n5	20MHz	15kHz	175800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.07	20.50
n5	20MHz	15kHz	175800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.02	20.50
n5	20MHz	15kHz	175800	24	CP-OFDM QPSK^Inner_Full:PC3	20.13	20.50
n5	20MHz	15kHz	175800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.88	20.50
n5	20MHz	15kHz	175800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.62	20.00
n5	20MHz	15kHz	175800	27	CP-OFDM 16QAM^Inner_Full:PC3	19.67	20.00
n5	20MHz	15kHz	175800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.29	19.00
n5	20MHz	15kHz	175800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.27	19.00
n5	20MHz	15kHz	175800	30	CP-OFDM 64QAM^Inner_Full:PC3	18.08	18.50
n5	20MHz	15kHz	175800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.17	15.50
n5	20MHz	15kHz	175800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.04	15.50
n5	20MHz	15kHz	175800	33	CP-OFDM 256QAM^Inner_Full:PC3	15.14	15.50
n5	20MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.58	22.00
n5	20MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.52	22.00
n5	20MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.65	22.00
n5	20MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.10	21.50
n5	20MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.04	21.50
n5	20MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.18	21.50
n5	20MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.68	22.00
n5	20MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.59	22.00
n5	20MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.74	22.00
n5	20MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.61	21.00
n5	20MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.63	21.00
n5	20MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.69	21.00
n5	20MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.61	21.00
n5	20MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.74	21.00
n5	20MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n5	20MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	19.50
n5	20MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.22	19.50
n5	20MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.15	19.50



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n5	20MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.94	17.50
n5	20MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.84	17.50
n5	20MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.14	17.50
n5	20MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.17	20.50
n5	20MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.11	20.50
n5	20MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	20.18	20.50
n5	20MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.88	20.50
n5	20MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.59	20.00
n5	20MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	19.64	20.00
n5	20MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.12	18.50
n5	20MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.29	19.00
n5	20MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	18.15	18.50
n5	20MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.03	15.50
n5	20MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.13	15.50
n5	20MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	15.12	15.50
n5	20MHz	15kHz	176800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.53	22.00
n5	20MHz	15kHz	176800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.53	22.00
n5	20MHz	15kHz	176800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.69	22.00
n5	20MHz	15kHz	176800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.01	21.50
n5	20MHz	15kHz	176800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.06	21.50
n5	20MHz	15kHz	176800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.19	21.50
n5	20MHz	15kHz	176800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.61	22.00
n5	20MHz	15kHz	176800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.55	22.00
n5	20MHz	15kHz	176800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.73	22.00
n5	20MHz	15kHz	176800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.62	21.00
n5	20MHz	15kHz	176800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.63	21.00
n5	20MHz	15kHz	176800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.66	21.00
n5	20MHz	15kHz	176800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.71	21.00
n5	20MHz	15kHz	176800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.57	21.00
n5	20MHz	15kHz	176800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.72	21.00
n5	20MHz	15kHz	176800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	19.50
n5	20MHz	15kHz	176800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.23	19.50
n5	20MHz	15kHz	176800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.15	19.50
n5	20MHz	15kHz	176800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.88	17.50
n5	20MHz	15kHz	176800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.02	17.50



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n5	20MHz	15kHz	176800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.14	17.50
n5	20MHz	15kHz	176800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.13	20.50
n5	20MHz	15kHz	176800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.08	20.50
n5	20MHz	15kHz	176800	24	CP-OFDM QPSK^Inner_Full:PC3	20.21	20.50
n5	20MHz	15kHz	176800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.93	20.50
n5	20MHz	15kHz	176800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.86	20.50
n5	20MHz	15kHz	176800	27	CP-OFDM 16QAM^Inner_Full:PC3	19.67	20.00
n5	20MHz	15kHz	176800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.29	19.00
n5	20MHz	15kHz	176800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.27	19.00
n5	20MHz	15kHz	176800	30	CP-OFDM 64QAM^Inner_Full:PC3	18.16	18.50
n5	20MHz	15kHz	176800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.20	15.50
n5	20MHz	15kHz	176800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.98	15.50
n5	20MHz	15kHz	176800	33	CP-OFDM 256QAM^Inner_Full:PC3	15.16	15.50

7.1.8. Conducted Power Measurement Results(5G NR Band n41)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune up(dBm)
n41	10MHz	30kHz	500202	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.47	21.00
n41	10MHz	30kHz	500202	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.64	21.00
n41	10MHz	30kHz	500202	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.61	21.00
n41	10MHz	30kHz	500202	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.97	20.50
n41	10MHz	30kHz	500202	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.17	20.50
n41	10MHz	30kHz	500202	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.13	20.50
n41	10MHz	30kHz	500202	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.51	21.00
n41	10MHz	30kHz	500202	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.63	21.00
n41	10MHz	30kHz	500202	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.68	21.00
n41	10MHz	30kHz	500202	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.46	20.00
n41	10MHz	30kHz	500202	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.64	20.00
n41	10MHz	30kHz	500202	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.63	20.00
n41	10MHz	30kHz	500202	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.40	20.00
n41	10MHz	30kHz	500202	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.58	20.00
n41	10MHz	30kHz	500202	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.52	20.00
n41	10MHz	30kHz	500202	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.67	18.00
n41	10MHz	30kHz	500202	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.97	18.50
n41	10MHz	30kHz	500202	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.06	18.50
n41	10MHz	30kHz	500202	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.17	16.50
n41	10MHz	30kHz	500202	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.23	16.50
n41	10MHz	30kHz	500202	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.06	16.50
n41	10MHz	30kHz	500202	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.07	19.50



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n41	10MHz	30kHz	500202	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.25	19.50
n41	10MHz	30kHz	500202	24	CP-OFDM QPSK^Inner_Full:PC3	19.06	19.50
n41	10MHz	30kHz	500202	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.66	19.00
n41	10MHz	30kHz	500202	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.82	19.50
n41	10MHz	30kHz	500202	27	CP-OFDM 16QAM^Inner_Full:PC3	18.41	19.00
n41	10MHz	30kHz	500202	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.94	17.50
n41	10MHz	30kHz	500202	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.10	17.50
n41	10MHz	30kHz	500202	30	CP-OFDM 64QAM^Inner_Full:PC3	17.09	17.50
n41	10MHz	30kHz	500202	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.02	14.50
n41	10MHz	30kHz	500202	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.14	14.50
n41	10MHz	30kHz	500202	33	CP-OFDM 256QAM^Inner_Full:PC3	13.97	14.50
n41	10MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.68	20.00
n41	10MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	19.71	20.00
n41	10MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	19.80	20.50
n41	10MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.22	19.50
n41	10MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.25	19.50
n41	10MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.26	20.00
n41	10MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.76	20.50
n41	10MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.81	20.50
n41	10MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	19.79	20.50
n41	10MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.72	19.00
n41	10MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	18.78	19.50
n41	10MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	18.81	19.50
n41	10MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.71	19.00
n41	10MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	18.89	19.50
n41	10MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	18.68	19.00
n41	10MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.03	17.50
n41	10MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.22	17.50
n41	10MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.28	18.00
n41	10MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.23	15.50
n41	10MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.35	16.00
n41	10MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.27	16.00
n41	10MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.31	19.00
n41	10MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.31	19.00
n41	10MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.20	18.50
n41	10MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.04	18.50
n41	10MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.03	18.50
n41	10MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	17.68	18.00
n41	10MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.07	16.50





n41	10MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.40	17.00
n41	10MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.31	17.00
n41	10MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.28	14.00
n41	10MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.50	14.00
n41	10MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.24	13.50
n41	10MHz	30kHz	537000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.18	20.50
n41	10MHz	30kHz	537000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.35	21.00
n41	10MHz	30kHz	537000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.34	21.00
n41	10MHz	30kHz	537000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.72	20.00
n41	10MHz	30kHz	537000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.87	20.50
n41	10MHz	30kHz	537000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.86	20.50
n41	10MHz	30kHz	537000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.24	20.50
n41	10MHz	30kHz	537000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.35	21.00
n41	10MHz	30kHz	537000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.38	21.00
n41	10MHz	30kHz	537000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.24	19.50
n41	10MHz	30kHz	537000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.33	20.00
n41	10MHz	30kHz	537000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.38	20.00
n41	10MHz	30kHz	537000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.09	19.50
n41	10MHz	30kHz	537000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.40	20.00
n41	10MHz	30kHz	537000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.25	19.50
n41	10MHz	30kHz	537000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.69	18.00
n41	10MHz	30kHz	537000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.82	18.50
n41	10MHz	30kHz	537000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.85	18.50
n41	10MHz	30kHz	537000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.63	16.00
n41	10MHz	30kHz	537000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.89	16.50
n41	10MHz	30kHz	537000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.84	16.50
n41	10MHz	30kHz	537000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.95	19.50
n41	10MHz	30kHz	537000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.98	19.50
n41	10MHz	30kHz	537000	24	CP-OFDM QPSK^Inner_Full:PC3	18.74	19.00
n41	10MHz	30kHz	537000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.33	19.00
n41	10MHz	30kHz	537000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.68	19.00
n41	10MHz	30kHz	537000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.30	19.00
n41	10MHz	30kHz	537000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.66	17.00
n41	10MHz	30kHz	537000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.95	17.50
n41	10MHz	30kHz	537000	30	CP-OFDM 64QAM^Inner_Full:PC3	16.85	17.50
n41	10MHz	30kHz	537000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.85	14.50
n41	10MHz	30kHz	537000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.95	14.50
n41	10MHz	30kHz	537000	33	CP-OFDM 256QAM^Inner_Full:PC3	13.82	14.50
n41	15MHz	30kHz	500700	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.37	21.00





n41	15MHz	30kHz	500700	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.66	21.00
n41	15MHz	30kHz	500700	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.66	21.00
n41	15MHz	30kHz	500700	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.86	20.50
n41	15MHz	30kHz	500700	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.15	20.50
n41	15MHz	30kHz	500700	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.14	20.50
n41	15MHz	30kHz	500700	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.40	21.00
n41	15MHz	30kHz	500700	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.70	21.00
n41	15MHz	30kHz	500700	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.62	21.00
n41	15MHz	30kHz	500700	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.34	20.00
n41	15MHz	30kHz	500700	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.68	20.00
n41	15MHz	30kHz	500700	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.60	20.00
n41	15MHz	30kHz	500700	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.44	20.00
n41	15MHz	30kHz	500700	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.75	20.00
n41	15MHz	30kHz	500700	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.60	20.00
n41	15MHz	30kHz	500700	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.77	18.50
n41	15MHz	30kHz	500700	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.16	18.50
n41	15MHz	30kHz	500700	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.20	18.50
n41	15MHz	30kHz	500700	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.92	16.50
n41	15MHz	30kHz	500700	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.22	16.50
n41	15MHz	30kHz	500700	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.06	16.50
n41	15MHz	30kHz	500700	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.96	19.50
n41	15MHz	30kHz	500700	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.35	20.00
n41	15MHz	30kHz	500700	24	CP-OFDM QPSK^Inner_Full:PC3	19.10	19.50
n41	15MHz	30kHz	500700	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.15	18.50
n41	15MHz	30kHz	500700	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.97	19.50
n41	15MHz	30kHz	500700	27	CP-OFDM 16QAM^Inner_Full:PC3	18.58	19.00
n41	15MHz	30kHz	500700	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.78	17.50
n41	15MHz	30kHz	500700	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.32	18.00
n41	15MHz	30kHz	500700	30	CP-OFDM 64QAM^Inner_Full:PC3	17.09	17.50
n41	15MHz	30kHz	500700	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.00	14.50
n41	15MHz	30kHz	500700	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.24	14.50
n41	15MHz	30kHz	500700	33	CP-OFDM 256QAM^Inner_Full:PC3	14.10	14.50
n41	15MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.69	20.00
n41	15MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	19.80	20.50
n41	15MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	19.79	20.50
n41	15MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.21	19.50
n41	15MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.31	20.00
n41	15MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.32	20.00





n41	15MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.72	20.00
n41	15MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.83	20.50
n41	15MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	19.77	20.50
n41	15MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.70	19.00
n41	15MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	18.80	19.50
n41	15MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	18.80	19.50
n41	15MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.79	19.50
n41	15MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.04	19.50
n41	15MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	18.78	19.50
n41	15MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.02	17.50
n41	15MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.19	17.50
n41	15MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.30	18.00
n41	15MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.29	16.00
n41	15MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.32	16.00
n41	15MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.24	15.50
n41	15MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.27	19.00
n41	15MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.36	19.00
n41	15MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.26	19.00
n41	15MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.06	18.50
n41	15MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	17.79	18.50
n41	15MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	17.72	18.00
n41	15MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.31	17.00
n41	15MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.17	16.50
n41	15MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.27	17.00
n41	15MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.35	14.00
n41	15MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.51	14.00
n41	15MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.22	13.50
n41	15MHz	30kHz	536496	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.17	20.50
n41	15MHz	30kHz	536496	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.25	20.50
n41	15MHz	30kHz	536496	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.29	21.00
n41	15MHz	30kHz	536496	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.66	20.00
n41	15MHz	30kHz	536496	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.77	20.50
n41	15MHz	30kHz	536496	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.79	20.50
n41	15MHz	30kHz	536496	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.17	20.50
n41	15MHz	30kHz	536496	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.36	21.00
n41	15MHz	30kHz	536496	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.27	21.00
n41	15MHz	30kHz	536496	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.18	19.50
n41	15MHz	30kHz	536496	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.28	20.00
n41	15MHz	30kHz	536496	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.27	20.00





n41	15MHz	30kHz	536496	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.40	20.00
n41	15MHz	30kHz	536496	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.12	19.50
n41	15MHz	30kHz	536496	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.23	19.50
n41	15MHz	30kHz	536496	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.56	18.00
n41	15MHz	30kHz	536496	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.67	18.00
n41	15MHz	30kHz	536496	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.79	18.50
n41	15MHz	30kHz	536496	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.75	16.00
n41	15MHz	30kHz	536496	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.02	16.50
n41	15MHz	30kHz	536496	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.76	16.50
n41	15MHz	30kHz	536496	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.79	19.50
n41	15MHz	30kHz	536496	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.82	19.50
n41	15MHz	30kHz	536496	24	CP-OFDM QPSK^Inner_Full:PC3	18.75	19.00
n41	15MHz	30kHz	536496	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.13	18.50
n41	15MHz	30kHz	536496	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.07	18.50
n41	15MHz	30kHz	536496	27	CP-OFDM 16QAM^Inner_Full:PC3	18.26	19.00
n41	15MHz	30kHz	536496	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.62	17.00
n41	15MHz	30kHz	536496	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.79	17.50
n41	15MHz	30kHz	536496	30	CP-OFDM 64QAM^Inner_Full:PC3	16.73	17.00
n41	15MHz	30kHz	536496	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.74	14.00
n41	15MHz	30kHz	536496	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.91	14.50
n41	15MHz	30kHz	536496	33	CP-OFDM 256QAM^Inner_Full:PC3	13.77	14.50
n41	20MHz	30kHz	501204	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.29	21.00
n41	20MHz	30kHz	501204	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.48	21.00
n41	20MHz	30kHz	501204	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.65	21.00
n41	20MHz	30kHz	501204	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.76	20.50
n41	20MHz	30kHz	501204	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.92	20.50
n41	20MHz	30kHz	501204	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.05	20.50
n41	20MHz	30kHz	501204	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.36	21.00
n41	20MHz	30kHz	501204	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.57	21.00
n41	20MHz	30kHz	501204	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.66	21.00
n41	20MHz	30kHz	501204	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.43	20.00
n41	20MHz	30kHz	501204	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.59	20.00
n41	20MHz	30kHz	501204	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.59	20.00
n41	20MHz	30kHz	501204	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.48	20.00
n41	20MHz	30kHz	501204	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.39	20.00
n41	20MHz	30kHz	501204	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.60	20.00
n41	20MHz	30kHz	501204	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.89	18.50
n41	20MHz	30kHz	501204	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.06	18.50
n41	20MHz	30kHz	501204	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.14	18.50





n41	20MHz	30kHz	501204	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.87	16.50
n41	20MHz	30kHz	501204	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.07	16.50
n41	20MHz	30kHz	501204	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.21	16.50
n41	20MHz	30kHz	501204	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.96	19.50
n41	20MHz	30kHz	501204	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.17	19.50
n41	20MHz	30kHz	501204	24	CP-OFDM QPSK^Inner_Full:PC3	19.13	19.50
n41	20MHz	30kHz	501204	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.25	18.50
n41	20MHz	30kHz	501204	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.32	19.00
n41	20MHz	30kHz	501204	27	CP-OFDM 16QAM^Inner_Full:PC3	18.58	19.00
n41	20MHz	30kHz	501204	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.99	17.50
n41	20MHz	30kHz	501204	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.25	17.50
n41	20MHz	30kHz	501204	30	CP-OFDM 64QAM^Inner_Full:PC3	17.12	17.50
n41	20MHz	30kHz	501204	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.96	14.50
n41	20MHz	30kHz	501204	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.21	14.50
n41	20MHz	30kHz	501204	33	CP-OFDM 256QAM^Inner_Full:PC3	14.12	14.50
n41	20MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.69	20.00
n41	20MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	19.82	20.50
n41	20MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	19.77	20.50
n41	20MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.23	19.50
n41	20MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.32	20.00
n41	20MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.26	20.00
n41	20MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.72	20.00
n41	20MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.84	20.50
n41	20MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	19.68	20.00
n41	20MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.79	19.50
n41	20MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	18.83	19.50
n41	20MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	18.77	19.50
n41	20MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.60	19.00
n41	20MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.03	19.50
n41	20MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	18.75	19.00
n41	20MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.08	17.50
n41	20MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.24	17.50
n41	20MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.22	17.50
n41	20MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.34	16.00
n41	20MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.51	16.00
n41	20MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.31	16.00
n41	20MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.35	19.00
n41	20MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.50	19.00
n41	20MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.17	18.50
n41	20MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.08	18.50





n41	20MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.08	18.50
n41	20MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	17.65	18.00
n41	20MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.15	16.50
n41	20MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.33	17.00
n41	20MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.20	16.50
n41	20MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.30	14.00
n41	20MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.40	14.00
n41	20MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.26	14.00
n41	20MHz	30kHz	535998	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.19	20.50
n41	20MHz	30kHz	535998	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.26	21.00
n41	20MHz	30kHz	535998	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.30	21.00
n41	20MHz	30kHz	535998	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.70	20.00
n41	20MHz	30kHz	535998	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.72	20.00
n41	20MHz	30kHz	535998	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.78	20.50
n41	20MHz	30kHz	535998	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.25	20.50
n41	20MHz	30kHz	535998	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.23	20.50
n41	20MHz	30kHz	535998	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.29	21.00
n41	20MHz	30kHz	535998	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.23	19.50
n41	20MHz	30kHz	535998	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.31	20.00
n41	20MHz	30kHz	535998	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.31	20.00
n41	20MHz	30kHz	535998	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.21	19.50
n41	20MHz	30kHz	535998	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.39	20.00
n41	20MHz	30kHz	535998	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.23	19.50
n41	20MHz	30kHz	535998	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.54	18.00
n41	20MHz	30kHz	535998	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.72	18.00
n41	20MHz	30kHz	535998	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.76	18.50
n41	20MHz	30kHz	535998	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.70	16.00
n41	20MHz	30kHz	535998	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.90	16.50
n41	20MHz	30kHz	535998	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.86	16.50
n41	20MHz	30kHz	535998	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.84	19.50
n41	20MHz	30kHz	535998	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.90	19.50
n41	20MHz	30kHz	535998	24	CP-OFDM QPSK^Inner_Full:PC3	18.75	19.00
n41	20MHz	30kHz	535998	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.27	19.00
n41	20MHz	30kHz	535998	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.70	19.00
n41	20MHz	30kHz	535998	27	CP-OFDM 16QAM^Inner_Full:PC3	18.28	19.00
n41	20MHz	30kHz	535998	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.86	17.50
n41	20MHz	30kHz	535998	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.77	17.50
n41	20MHz	30kHz	535998	30	CP-OFDM 64QAM^Inner_Full:PC3	16.77	17.50
n41	20MHz	30kHz	535998	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.85	14.50





n41	20MHz	30kHz	535998	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.79	14.50
n41	20MHz	30kHz	535998	33	CP-OFDM 256QAM^Inner_Full:PC3	13.79	14.50
n41	30MHz	30kHz	502200	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.18	20.50
n41	30MHz	30kHz	502200	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.22	21.00
n41	30MHz	30kHz	502200	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.67	21.00
n41	30MHz	30kHz	502200	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.65	20.00
n41	30MHz	30kHz	502200	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.75	20.00
n41	30MHz	30kHz	502200	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.05	20.50
n41	30MHz	30kHz	502200	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.24	20.50
n41	30MHz	30kHz	502200	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.28	21.00
n41	30MHz	30kHz	502200	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.70	21.00
n41	30MHz	30kHz	502200	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.16	19.50
n41	30MHz	30kHz	502200	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.19	19.50
n41	30MHz	30kHz	502200	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.57	20.00
n41	30MHz	30kHz	502200	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.37	20.00
n41	30MHz	30kHz	502200	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.40	20.00
n41	30MHz	30kHz	502200	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.62	20.00
n41	30MHz	30kHz	502200	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.58	18.00
n41	30MHz	30kHz	502200	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.73	18.00
n41	30MHz	30kHz	502200	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.11	18.50
n41	30MHz	30kHz	502200	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.82	16.50
n41	30MHz	30kHz	502200	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.84	16.50
n41	30MHz	30kHz	502200	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.10	16.50
n41	30MHz	30kHz	502200	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.74	19.00
n41	30MHz	30kHz	502200	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.76	19.50
n41	30MHz	30kHz	502200	24	CP-OFDM QPSK^Inner_Full:PC3	19.11	19.50
n41	30MHz	30kHz	502200	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.20	18.50
n41	30MHz	30kHz	502200	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.34	19.00
n41	30MHz	30kHz	502200	27	CP-OFDM 16QAM^Inner_Full:PC3	18.70	19.00
n41	30MHz	30kHz	502200	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.73	17.00
n41	30MHz	30kHz	502200	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.93	17.50
n41	30MHz	30kHz	502200	30	CP-OFDM 64QAM^Inner_Full:PC3	17.14	17.50
n41	30MHz	30kHz	502200	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.87	14.50
n41	30MHz	30kHz	502200	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.75	14.00
n41	30MHz	30kHz	502200	33	CP-OFDM 256QAM^Inner_Full:PC3	14.09	14.50
n41	30MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.82	20.50
n41	30MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	19.93	20.50
n41	30MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	19.78	20.50
n41	30MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.32	20.00



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n41	30MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.39	20.00
n41	30MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.30	20.00
n41	30MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.87	20.50
n41	30MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.93	20.50
n41	30MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	19.72	20.00
n41	30MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.78	19.50
n41	30MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	18.94	19.50
n41	30MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	18.82	19.50
n41	30MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.80	19.50
n41	30MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	18.97	19.50
n41	30MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	18.74	19.00
n41	30MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.30	18.00
n41	30MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.49	18.00
n41	30MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.24	17.50
n41	30MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.31	16.00
n41	30MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.33	16.00
n41	30MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.22	15.50
n41	30MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.38	19.00
n41	30MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.47	19.00
n41	30MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.31	19.00
n41	30MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.00	18.50
n41	30MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.11	18.50
n41	30MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	17.79	18.50
n41	30MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.30	17.00
n41	30MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.51	17.00
n41	30MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.33	17.00
n41	30MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.44	14.00
n41	30MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.67	14.00
n41	30MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.24	13.50
n41	30MHz	30kHz	534996	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.09	20.50
n41	30MHz	30kHz	534996	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.04	20.50
n41	30MHz	30kHz	534996	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.31	21.00
n41	30MHz	30kHz	534996	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.59	20.00
n41	30MHz	30kHz	534996	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.56	20.00
n41	30MHz	30kHz	534996	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.77	20.50
n41	30MHz	30kHz	534996	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.17	20.50
n41	30MHz	30kHz	534996	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.10	20.50
n41	30MHz	30kHz	534996	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.36	21.00
n41	30MHz	30kHz	534996	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.10	19.50



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n41	30MHz	30kHz	534996	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.08	19.50
n41	30MHz	30kHz	534996	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.28	20.00
n41	30MHz	30kHz	534996	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.07	19.50
n41	30MHz	30kHz	534996	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.01	19.50
n41	30MHz	30kHz	534996	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.34	20.00
n41	30MHz	30kHz	534996	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.70	18.00
n41	30MHz	30kHz	534996	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.65	18.00
n41	30MHz	30kHz	534996	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.80	18.50
n41	30MHz	30kHz	534996	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.78	16.50
n41	30MHz	30kHz	534996	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.73	16.00
n41	30MHz	30kHz	534996	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.78	16.50
n41	30MHz	30kHz	534996	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.77	19.50
n41	30MHz	30kHz	534996	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.70	19.00
n41	30MHz	30kHz	534996	24	CP-OFDM QPSK^Inner_Full:PC3	18.81	19.50
n41	30MHz	30kHz	534996	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.19	18.50
n41	30MHz	30kHz	534996	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.14	18.50
n41	30MHz	30kHz	534996	27	CP-OFDM 16QAM^Inner_Full:PC3	18.26	19.00
n41	30MHz	30kHz	534996	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.77	17.50
n41	30MHz	30kHz	534996	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.75	17.00
n41	30MHz	30kHz	534996	30	CP-OFDM 64QAM^Inner_Full:PC3	16.84	17.50
n41	30MHz	30kHz	534996	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.80	14.50
n41	30MHz	30kHz	534996	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.73	14.00
n41	30MHz	30kHz	534996	33	CP-OFDM 256QAM^Inner_Full:PC3	13.82	14.50

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune up(dBm)
n41	40MHz	30kHz	503202	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.13	21.00
n41	40MHz	30kHz	503202	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.42	21.00
n41	40MHz	30kHz	503202	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.80	21.00
n41	40MHz	30kHz	503202	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.55	20.00
n41	40MHz	30kHz	503202	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.91	20.00
n41	40MHz	30kHz	503202	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.12	21.00
n41	40MHz	30kHz	503202	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.03	21.00
n41	40MHz	30kHz	503202	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.28	21.00
n41	40MHz	30kHz	503202	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.75	21.00
n41	40MHz	30kHz	503202	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.97	19.00
n41	40MHz	30kHz	503202	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.24	20.00
n41	40MHz	30kHz	503202	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.66	20.00
n41	40MHz	30kHz	503202	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.86	19.00
n41	40MHz	30kHz	503202	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.12	20.00
n41	40MHz	30kHz	503202	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.69	20.00
n41	40MHz	30kHz	503202	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.41	18.00
n41	40MHz	30kHz	503202	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.73	18.00
n41	40MHz	30kHz	503202	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.19	19.00
n41	40MHz	30kHz	503202	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.55	16.00
n41	40MHz	30kHz	503202	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.04	17.00
n41	40MHz	30kHz	503202	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.23	17.00
n41	40MHz	30kHz	503202	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.59	19.00
n41	40MHz	30kHz	503202	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.77	19.00
n41	40MHz	30kHz	503202	24	CP-OFDM QPSK^Inner_Full:PC3	19.19	20.00
n41	40MHz	30kHz	503202	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.74	18.00
n41	40MHz	30kHz	503202	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.06	19.00
n41	40MHz	30kHz	503202	27	CP-OFDM 16QAM^Inner_Full:PC3	18.64	19.00
n41	40MHz	30kHz	503202	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.79	17.00
n41	40MHz	30kHz	503202	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.87	17.00
n41	40MHz	30kHz	503202	30	CP-OFDM 64QAM^Inner_Full:PC3	17.20	18.00



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n41	40MHz	30kHz	503202	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.57	14.00
n41	40MHz	30kHz	503202	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.88	14.00
n41	40MHz	30kHz	503202	33	CP-OFDM 256QAM^Inner_Full:PC3	14.15	15.00
n41	40MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.84	20.00
n41	40MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	19.90	20.00
n41	40MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	19.96	20.00
n41	40MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.27	20.00
n41	40MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.31	20.00
n41	40MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.43	20.00
n41	40MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.78	20.00
n41	40MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.78	20.00
n41	40MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	19.92	20.00
n41	40MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.67	19.00
n41	40MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	18.72	19.00
n41	40MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	18.87	19.00
n41	40MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.56	19.00
n41	40MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	18.68	19.00
n41	40MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	18.89	19.00
n41	40MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.31	18.00
n41	40MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.28	18.00
n41	40MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.41	18.00
n41	40MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.42	16.00
n41	40MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.47	16.00
n41	40MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.43	16.00
n41	40MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.39	19.00
n41	40MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.11	19.00
n41	40MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.41	19.00
n41	40MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.45	18.00
n41	40MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	17.53	18.00
n41	40MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	17.89	18.00
n41	40MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.29	17.00
n41	40MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.44	17.00
n41	40MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.41	17.00
n41	40MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.35	14.00
n41	40MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.37	14.00
n41	40MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.40	14.00
n41	40MHz	30kHz	534000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.93	20.00
n41	40MHz	30kHz	534000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.00	21.00
n41	40MHz	30kHz	534000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.56	21.00
n41	40MHz	30kHz	534000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.46	20.00
n41	40MHz	30kHz	534000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.52	20.00
n41	40MHz	30kHz	534000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.92	20.00
n41	40MHz	30kHz	534000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.99	20.00
n41	40MHz	30kHz	534000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.99	20.00
n41	40MHz	30kHz	534000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.57	21.00
n41	40MHz	30kHz	534000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.92	19.00
n41	40MHz	30kHz	534000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	18.96	19.00
n41	40MHz	30kHz	534000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.37	20.00
n41	40MHz	30kHz	534000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.80	19.00
n41	40MHz	30kHz	534000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	18.80	19.00
n41	40MHz	30kHz	534000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.58	20.00
n41	40MHz	30kHz	534000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.51	18.00
n41	40MHz	30kHz	534000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.60	18.00
n41	40MHz	30kHz	534000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.02	19.00
n41	40MHz	30kHz	534000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.45	16.00
n41	40MHz	30kHz	534000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.51	16.00
n41	40MHz	30kHz	534000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.03	17.00
n41	40MHz	30kHz	534000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.49	19.00
n41	40MHz	30kHz	534000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.61	19.00
n41	40MHz	30kHz	534000	24	CP-OFDM QPSK^Inner_Full:PC3	19.02	20.00
n41	40MHz	30kHz	534000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.76	18.00
n41	40MHz	30kHz	534000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	17.80	18.00
n41	40MHz	30kHz	534000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.56	19.00
n41	40MHz	30kHz	534000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.61	17.00
n41	40MHz	30kHz	534000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.52	17.00
n41	40MHz	30kHz	534000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.00	18.00
n41	40MHz	30kHz	534000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.40	14.00
n41	40MHz	30kHz	534000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.46	14.00
n41	40MHz	30kHz	534000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.00	15.00
n41	50MHz	30kHz	504204	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.32	21.00
n41	50MHz	30kHz	504204	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.68	21.00
n41	50MHz	30kHz	504204	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.75	21.00
n41	50MHz	30kHz	504204	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.80	20.00
n41	50MHz	30kHz	504204	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.17	21.00



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n41	50MHz	30kHz	504204	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.21	21.00
n41	50MHz	30kHz	504204	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.25	21.00
n41	50MHz	30kHz	504204	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.71	21.00
n41	50MHz	30kHz	504204	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.75	21.00
n41	50MHz	30kHz	504204	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.18	20.00
n41	50MHz	30kHz	504204	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.60	20.00
n41	50MHz	30kHz	504204	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.70	20.00
n41	50MHz	30kHz	504204	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.92	19.00
n41	50MHz	30kHz	504204	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.59	20.00
n41	50MHz	30kHz	504204	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.74	20.00
n41	50MHz	30kHz	504204	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.75	18.00
n41	50MHz	30kHz	504204	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.12	19.00
n41	50MHz	30kHz	504204	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.22	19.00
n41	50MHz	30kHz	504204	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.86	16.00
n41	50MHz	30kHz	504204	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.32	17.00
n41	50MHz	30kHz	504204	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.25	17.00
n41	50MHz	30kHz	504204	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.67	19.00
n41	50MHz	30kHz	504204	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.04	20.00
n41	50MHz	30kHz	504204	24	CP-OFDM QPSK^Inner_Full:PC3	19.21	20.00
n41	50MHz	30kHz	504204	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.03	19.00
n41	50MHz	30kHz	504204	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.37	19.00
n41	50MHz	30kHz	504204	27	CP-OFDM 16QAM^Inner_Full:PC3	18.66	19.00
n41	50MHz	30kHz	504204	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.07	18.00
n41	50MHz	30kHz	504204	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.27	18.00
n41	50MHz	30kHz	504204	30	CP-OFDM 64QAM^Inner_Full:PC3	17.18	18.00
n41	50MHz	30kHz	504204	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.93	14.00
n41	50MHz	30kHz	504204	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.28	15.00
n41	50MHz	30kHz	504204	33	CP-OFDM 256QAM^Inner_Full:PC3	14.23	15.00
n41	50MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.15	21.00
n41	50MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.18	21.00
n41	50MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.03	21.00
n41	50MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.66	20.00
n41	50MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.65	20.00
n41	50MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.61	20.00
n41	50MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.09	21.00
n41	50MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.11	21.00
n41	50MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	19.99	20.00
n41	50MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.99	19.00
n41	50MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.07	20.00
n41	50MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.05	20.00
n41	50MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.85	19.00
n41	50MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.03	20.00
n41	50MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.04	20.00
n41	50MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.52	18.00
n41	50MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.58	18.00
n41	50MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.49	18.00
n41	50MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.74	16.00
n41	50MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.75	16.00
n41	50MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.50	16.00
n41	50MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.83	19.00
n41	50MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.75	19.00
n41	50MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.49	19.00
n41	50MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.85	18.00
n41	50MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	17.94	18.00
n41	50MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	17.99	18.00
n41	50MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.77	17.00
n41	50MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.76	17.00
n41	50MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.51	17.00
n41	50MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.73	14.00
n41	50MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.75	14.00
n41	50MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.46	14.00
n41	50MHz	30kHz	532998	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.38	21.00
n41	50MHz	30kHz	532998	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.36	21.00
n41	50MHz	30kHz	532998	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.65	21.00
n41	50MHz	30kHz	532998	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.89	20.00
n41	50MHz	30kHz	532998	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.87	20.00
n41	50MHz	30kHz	532998	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.06	21.00
n41	50MHz	30kHz	532998	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.35	21.00
n41	50MHz	30kHz	532998	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.34	21.00
n41	50MHz	30kHz	532998	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.65	21.00
n41	50MHz	30kHz	532998	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.35	20.00
n41	50MHz	30kHz	532998	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.28	20.00
n41	50MHz	30kHz	532998	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.54	20.00
n41	50MHz	30kHz	532998	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.17	20.00



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n41	50MHz	30kHz	532998	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC3	19.16	20.00
n41	50MHz	30kHz	532998	15	DFT-s-OFDM 16QAM^Inner Full:PC3	19.59	20.00
n41	50MHz	30kHz	532998	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC3	17.98	18.00
n41	50MHz	30kHz	532998	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC3	17.96	18.00
n41	50MHz	30kHz	532998	18	DFT-s-OFDM 64QAM^Inner Full:PC3	18.10	19.00
n41	50MHz	30kHz	532998	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC3	15.83	16.00
n41	50MHz	30kHz	532998	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC3	15.89	16.00
n41	50MHz	30kHz	532998	21	DFT-s-OFDM 256QAM^Inner Full:PC3	16.07	17.00
n41	50MHz	30kHz	532998	22	CP-OFDM QPSK^Inner 1RB Left:PC3	18.86	19.00
n41	50MHz	30kHz	532998	23	CP-OFDM QPSK^Inner 1RB Right:PC3	18.81	19.00
n41	50MHz	30kHz	532998	24	CP-OFDM QPSK^Inner Full:PC3	19.14	20.00
n41	50MHz	30kHz	532998	25	CP-OFDM 16QAM^Inner 1RB Left:PC3	18.10	19.00
n41	50MHz	30kHz	532998	26	CP-OFDM 16QAM^Inner 1RB Right:PC3	18.42	19.00
n41	50MHz	30kHz	532998	27	CP-OFDM 16QAM^Inner Full:PC3	18.62	19.00
n41	50MHz	30kHz	532998	28	CP-OFDM 64QAM^Inner 1RB Left:PC3	17.03	18.00
n41	50MHz	30kHz	532998	29	CP-OFDM 64QAM^Inner 1RB Right:PC3	17.09	18.00
n41	50MHz	30kHz	532998	30	CP-OFDM 64QAM^Inner Full:PC3	17.08	18.00
n41	50MHz	30kHz	532998	31	CP-OFDM 256QAM^Inner 1RB Left:PC3	13.91	14.00
n41	50MHz	30kHz	532998	32	CP-OFDM 256QAM^Inner 1RB Right:PC3	13.88	14.00
n41	50MHz	30kHz	532998	33	CP-OFDM 256QAM^Inner Full:PC3	14.10	15.00
n41	60MHz	30kHz	505200	1	DFT-s-OFDM Pi/2 BPSK^Inner 1RB Left:PC3	20.18	21.00
n41	60MHz	30kHz	505200	2	DFT-s-OFDM Pi/2 BPSK^Inner 1RB Right:PC3	20.24	21.00
n41	60MHz	30kHz	505200	3	DFT-s-OFDM Pi/2 BPSK^Inner Full:PC3	20.72	21.00
n41	60MHz	30kHz	505200	4	DFT-s-OFDM Pi/2 BPSK^Edge 1RB Left:PC3	19.65	20.00
n41	60MHz	30kHz	505200	5	DFT-s-OFDM Pi/2 BPSK^Edge 1RB Right:PC3	19.76	20.00
n41	60MHz	30kHz	505200	6	DFT-s-OFDM Pi/2 BPSK^Outer Full:PC3	20.24	21.00
n41	60MHz	30kHz	505200	7	DFT-s-OFDM QPSK^Inner 1RB Left:PC3	20.11	21.00
n41	60MHz	30kHz	505200	8	DFT-s-OFDM QPSK^Inner 1RB Right:PC3	20.20	21.00
n41	60MHz	30kHz	505200	9	DFT-s-OFDM QPSK^Inner Full:PC3	20.73	21.00
n41	60MHz	30kHz	505200	10	DFT-s-OFDM QPSK^Edge 1RB Left:PC3	19.07	20.00
n41	60MHz	30kHz	505200	11	DFT-s-OFDM QPSK^Edge 1RB Right:PC3	19.19	20.00
n41	60MHz	30kHz	505200	12	DFT-s-OFDM QPSK^Outer Full:PC3	19.68	20.00
n41	60MHz	30kHz	505200	13	DFT-s-OFDM 16QAM^Inner 1RB Left:PC3	18.79	19.00
n41	60MHz	30kHz	505200	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC3	18.93	19.00
n41	60MHz	30kHz	505200	15	DFT-s-OFDM 16QAM^Inner Full:PC3	19.69	20.00
n41	60MHz	30kHz	505200	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC3	17.64	18.00
n41	60MHz	30kHz	505200	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC3	17.67	18.00
n41	60MHz	30kHz	505200	18	DFT-s-OFDM 64QAM^Inner Full:PC3	18.19	19.00
n41	60MHz	30kHz	505200	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC3	15.75	16.00
n41	60MHz	30kHz	505200	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC3	15.84	16.00
n41	60MHz	30kHz	505200	21	DFT-s-OFDM 256QAM^Inner Full:PC3	16.20	17.00
n41	60MHz	30kHz	505200	22	CP-OFDM QPSK^Inner 1RB Left:PC3	18.66	19.00
n41	60MHz	30kHz	505200	23	CP-OFDM QPSK^Inner 1RB Right:PC3	18.71	19.00
n41	60MHz	30kHz	505200	24	CP-OFDM QPSK^Inner Full:PC3	19.19	20.00
n41	60MHz	30kHz	505200	25	CP-OFDM 16QAM^Inner 1RB Left:PC3	17.83	18.00
n41	60MHz	30kHz	505200	26	CP-OFDM 16QAM^Inner 1RB Right:PC3	18.25	19.00
n41	60MHz	30kHz	505200	27	CP-OFDM 16QAM^Inner Full:PC3	18.69	19.00
n41	60MHz	30kHz	505200	28	CP-OFDM 64QAM^Inner 1RB Left:PC3	16.92	17.00
n41	60MHz	30kHz	505200	29	CP-OFDM 64QAM^Inner 1RB Right:PC3	16.98	17.00
n41	60MHz	30kHz	505200	30	CP-OFDM 64QAM^Inner Full:PC3	17.08	18.00
n41	60MHz	30kHz	505200	31	CP-OFDM 256QAM^Inner 1RB Left:PC3	13.78	14.00
n41	60MHz	30kHz	505200	32	CP-OFDM 256QAM^Inner 1RB Right:PC3	13.72	14.00
n41	60MHz	30kHz	505200	33	CP-OFDM 256QAM^Inner Full:PC3	14.15	15.00
n41	60MHz	30kHz	518598	1	DFT-s-OFDM Pi/2 BPSK^Inner 1RB Left:PC3	20.00	21.00
n41	60MHz	30kHz	518598	2	DFT-s-OFDM Pi/2 BPSK^Inner 1RB Right:PC3	20.11	21.00
n41	60MHz	30kHz	518598	3	DFT-s-OFDM Pi/2 BPSK^Inner Full:PC3	20.00	21.00
n41	60MHz	30kHz	518598	4	DFT-s-OFDM Pi/2 BPSK^Edge 1RB Left:PC3	19.43	20.00
n41	60MHz	30kHz	518598	5	DFT-s-OFDM Pi/2 BPSK^Edge 1RB Right:PC3	19.61	20.00
n41	60MHz	30kHz	518598	6	DFT-s-OFDM Pi/2 BPSK^Outer Full:PC3	19.60	20.00
n41	60MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner 1RB Left:PC3	19.93	20.00
n41	60MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner 1RB Right:PC3	20.12	21.00
n41	60MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner Full:PC3	19.99	20.00
n41	60MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge 1RB Left:PC3	18.83	19.00
n41	60MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge 1RB Right:PC3	19.03	20.00
n41	60MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer Full:PC3	19.01	20.00
n41	60MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner 1RB Left:PC3	18.80	19.00
n41	60MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC3	18.96	19.00
n41	60MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner Full:PC3	18.99	19.00
n41	60MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC3	17.54	18.00
n41	60MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC3	17.65	18.00
n41	60MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner Full:PC3	17.46	18.00
n41	60MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC3	15.58	16.00
n41	60MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC3	15.74	16.00
n41	60MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner Full:PC3	15.44	16.00



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n41	60MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.46	19.00
n41	60MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.70	19.00
n41	60MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.49	19.00
n41	60MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.71	18.00
n41	60MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.02	19.00
n41	60MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	17.95	18.00
n41	60MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.61	17.00
n41	60MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.91	17.00
n41	60MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.47	17.00
n41	60MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.47	14.00
n41	60MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.70	14.00
n41	60MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.43	14.00
n41	60MHz	30kHz	531996	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.07	21.00
n41	60MHz	30kHz	531996	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.35	21.00
n41	60MHz	30kHz	531996	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.71	21.00
n41	60MHz	30kHz	531996	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.52	20.00
n41	60MHz	30kHz	531996	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.86	20.00
n41	60MHz	30kHz	531996	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.07	21.00
n41	60MHz	30kHz	531996	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.09	21.00
n41	60MHz	30kHz	531996	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.37	21.00
n41	60MHz	30kHz	531996	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.68	21.00
n41	60MHz	30kHz	531996	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.95	19.00
n41	60MHz	30kHz	531996	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.30	20.00
n41	60MHz	30kHz	531996	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.53	20.00
n41	60MHz	30kHz	531996	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.91	19.00
n41	60MHz	30kHz	531996	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.21	20.00
n41	60MHz	30kHz	531996	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.72	20.00
n41	60MHz	30kHz	531996	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.64	18.00
n41	60MHz	30kHz	531996	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.90	18.00
n41	60MHz	30kHz	531996	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.16	19.00
n41	60MHz	30kHz	531996	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.68	16.00
n41	60MHz	30kHz	531996	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.07	17.00
n41	60MHz	30kHz	531996	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.18	17.00
n41	60MHz	30kHz	531996	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.59	19.00
n41	60MHz	30kHz	531996	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.80	19.00
n41	60MHz	30kHz	531996	24	CP-OFDM QPSK^Inner_Full:PC3	19.16	20.00
n41	60MHz	30kHz	531996	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.30	19.00
n41	60MHz	30kHz	531996	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.54	19.00
n41	60MHz	30kHz	531996	27	CP-OFDM 16QAM^Inner_Full:PC3	18.67	19.00
n41	60MHz	30kHz	531996	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.75	17.00
n41	60MHz	30kHz	531996	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.00	18.00
n41	60MHz	30kHz	531996	30	CP-OFDM 64QAM^Inner_Full:PC3	17.14	18.00
n41	60MHz	30kHz	531996	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.58	14.00
n41	60MHz	30kHz	531996	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.84	14.00
n41	60MHz	30kHz	531996	33	CP-OFDM 256QAM^Inner_Full:PC3	14.10	15.00
n41	70MHz	30kHz	506202	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.10	21.00
n41	70MHz	30kHz	506202	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.16	21.00
n41	70MHz	30kHz	506202	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.67	21.00
n41	70MHz	30kHz	506202	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.59	20.00
n41	70MHz	30kHz	506202	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.64	20.00
n41	70MHz	30kHz	506202	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.16	21.00
n41	70MHz	30kHz	506202	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.03	21.00
n41	70MHz	30kHz	506202	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.06	21.00
n41	70MHz	30kHz	506202	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.72	21.00
n41	70MHz	30kHz	506202	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.89	19.00
n41	70MHz	30kHz	506202	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	18.96	19.00
n41	70MHz	30kHz	506202	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.59	20.00
n41	70MHz	30kHz	506202	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.86	19.00
n41	70MHz	30kHz	506202	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	18.94	19.00
n41	70MHz	30kHz	506202	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.65	20.00
n41	70MHz	30kHz	506202	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.46	18.00
n41	70MHz	30kHz	506202	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.67	18.00
n41	70MHz	30kHz	506202	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.23	19.00
n41	70MHz	30kHz	506202	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.67	16.00
n41	70MHz	30kHz	506202	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.79	16.00
n41	70MHz	30kHz	506202	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.17	17.00
n41	70MHz	30kHz	506202	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.48	19.00
n41	70MHz	30kHz	506202	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.66	19.00
n41	70MHz	30kHz	506202	24	CP-OFDM QPSK^Inner_Full:PC3	19.16	20.00
n41	70MHz	30kHz	506202	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.88	18.00
n41	70MHz	30kHz	506202	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	17.93	18.00
n41	70MHz	30kHz	506202	27	CP-OFDM 16QAM^Inner_Full:PC3	18.69	19.00
n41	70MHz	30kHz	506202	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.77	17.00
n41	70MHz	30kHz	506202	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.80	17.00



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n41	70MHz	30kHz	506202	30	CP-OFDM 64QAM^Inner_Full:PC3	17.16	18.00
n41	70MHz	30kHz	506202	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.72	14.00
n41	70MHz	30kHz	506202	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.82	14.00
n41	70MHz	30kHz	506202	33	CP-OFDM 256QAM^Inner_Full:PC3	14.21	15.00
n41	70MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.91	20.00
n41	70MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.24	21.00
n41	70MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.06	21.00
n41	70MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.39	20.00
n41	70MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.78	20.00
n41	70MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.64	20.00
n41	70MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.80	20.00
n41	70MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.22	21.00
n41	70MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.07	21.00
n41	70MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.78	19.00
n41	70MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.20	20.00
n41	70MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.15	20.00
n41	70MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.52	19.00
n41	70MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.08	20.00
n41	70MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.02	20.00
n41	70MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.63	18.00
n41	70MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.83	18.00
n41	70MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.53	18.00
n41	70MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.30	16.00
n41	70MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.75	16.00
n41	70MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.54	16.00
n41	70MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.30	19.00
n41	70MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.95	19.00
n41	70MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.52	19.00
n41	70MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.62	18.00
n41	70MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.02	19.00
n41	70MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.01	19.00
n41	70MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.49	17.00
n41	70MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.13	18.00
n41	70MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.59	17.00
n41	70MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.32	14.00
n41	70MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.76	14.00
n41	70MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.53	14.00
n41	70MHz	30kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.65	20.00
n41	70MHz	30kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.34	21.00
n41	70MHz	30kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.68	21.00
n41	70MHz	30kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.17	20.00
n41	70MHz	30kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.90	20.00
n41	70MHz	30kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.06	21.00
n41	70MHz	30kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.65	20.00
n41	70MHz	30kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.38	21.00
n41	70MHz	30kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.73	21.00
n41	70MHz	30kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.55	19.00
n41	70MHz	30kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.25	20.00
n41	70MHz	30kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.55	20.00
n41	70MHz	30kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.58	19.00
n41	70MHz	30kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.26	20.00
n41	70MHz	30kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.73	20.00
n41	70MHz	30kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.21	18.00
n41	70MHz	30kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.92	18.00
n41	70MHz	30kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.24	19.00
n41	70MHz	30kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.33	16.00
n41	70MHz	30kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.02	17.00
n41	70MHz	30kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.24	17.00
n41	70MHz	30kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.18	19.00
n41	70MHz	30kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.89	19.00
n41	70MHz	30kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	19.17	20.00
n41	70MHz	30kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.48	18.00
n41	70MHz	30kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.15	19.00
n41	70MHz	30kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.73	19.00
n41	70MHz	30kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.47	17.00
n41	70MHz	30kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.02	18.00
n41	70MHz	30kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.17	18.00
n41	70MHz	30kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.26	14.00
n41	70MHz	30kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.92	14.00
n41	70MHz	30kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.15	15.00
n41	80MHz	30kHz	507204	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.08	21.00
n41	80MHz	30kHz	507204	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.18	21.00
n41	80MHz	30kHz	507204	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.76	21.00
n41	80MHz	30kHz	507204	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.55	20.00



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n41	80MHz	30kHz	507204	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.67	20.00
n41	80MHz	30kHz	507204	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.07	21.00
n41	80MHz	30kHz	507204	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.98	20.00
n41	80MHz	30kHz	507204	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.09	21.00
n41	80MHz	30kHz	507204	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.76	21.00
n41	80MHz	30kHz	507204	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.90	19.00
n41	80MHz	30kHz	507204	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.03	20.00
n41	80MHz	30kHz	507204	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.61	20.00
n41	80MHz	30kHz	507204	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.58	19.00
n41	80MHz	30kHz	507204	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	18.71	19.00
n41	80MHz	30kHz	507204	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.77	20.00
n41	80MHz	30kHz	507204	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.80	18.00
n41	80MHz	30kHz	507204	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.11	19.00
n41	80MHz	30kHz	507204	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.27	19.00
n41	80MHz	30kHz	507204	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.59	16.00
n41	80MHz	30kHz	507204	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.69	16.00
n41	80MHz	30kHz	507204	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.25	17.00
n41	80MHz	30kHz	507204	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.53	19.00
n41	80MHz	30kHz	507204	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.62	19.00
n41	80MHz	30kHz	507204	24	CP-OFDM QPSK^Inner_Full:PC3	19.22	20.00
n41	80MHz	30kHz	507204	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.99	18.00
n41	80MHz	30kHz	507204	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.14	19.00
n41	80MHz	30kHz	507204	27	CP-OFDM 16QAM^Inner_Full:PC3	18.69	19.00
n41	80MHz	30kHz	507204	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.60	17.00
n41	80MHz	30kHz	507204	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.74	17.00
n41	80MHz	30kHz	507204	30	CP-OFDM 64QAM^Inner_Full:PC3	17.26	18.00
n41	80MHz	30kHz	507204	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.73	14.00
n41	80MHz	30kHz	507204	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.84	14.00
n41	80MHz	30kHz	507204	33	CP-OFDM 256QAM^Inner_Full:PC3	14.22	15.00
n41	80MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.88	20.00
n41	80MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.34	21.00
n41	80MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.13	21.00
n41	80MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.41	20.00
n41	80MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.87	20.00
n41	80MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.61	20.00
n41	80MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.94	20.00
n41	80MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.42	21.00
n41	80MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.12	21.00
n41	80MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.83	19.00
n41	80MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.33	20.00
n41	80MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.19	20.00
n41	80MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.89	19.00
n41	80MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.39	20.00
n41	80MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.12	20.00
n41	80MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.71	18.00
n41	80MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.99	18.00
n41	80MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	17.63	18.00
n41	80MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.48	16.00
n41	80MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.04	17.00
n41	80MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.62	16.00
n41	80MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.32	19.00
n41	80MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.83	19.00
n41	80MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.60	19.00
n41	80MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.85	18.00
n41	80MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.32	19.00
n41	80MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.09	19.00
n41	80MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.45	17.00
n41	80MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.78	17.00
n41	80MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.61	17.00
n41	80MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.54	14.00
n41	80MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.02	15.00
n41	80MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.61	14.00
n41	80MHz	30kHz	529998	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.57	20.00
n41	80MHz	30kHz	529998	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.25	21.00
n41	80MHz	30kHz	529998	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.71	21.00
n41	80MHz	30kHz	529998	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.03	20.00
n41	80MHz	30kHz	529998	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.76	20.00
n41	80MHz	30kHz	529998	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.98	20.00
n41	80MHz	30kHz	529998	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.50	20.00
n41	80MHz	30kHz	529998	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.26	21.00
n41	80MHz	30kHz	529998	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.73	21.00
n41	80MHz	30kHz	529998	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.41	19.00
n41	80MHz	30kHz	529998	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.18	20.00
n41	80MHz	30kHz	529998	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.48	20.00



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n41	80MHz	30kHz	529998	13	DFT-s-OFDM 16QAM^Inner 1RB Left:PC3	18.44	19.00
n41	80MHz	30kHz	529998	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC3	19.12	20.00
n41	80MHz	30kHz	529998	15	DFT-s-OFDM 16QAM^Inner Full:PC3	19.73	20.00
n41	80MHz	30kHz	529998	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC3	17.02	18.00
n41	80MHz	30kHz	529998	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC3	17.79	18.00
n41	80MHz	30kHz	529998	18	DFT-s-OFDM 64QAM^Inner Full:PC3	18.23	19.00
n41	80MHz	30kHz	529998	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC3	15.21	16.00
n41	80MHz	30kHz	529998	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC3	15.95	16.00
n41	80MHz	30kHz	529998	21	DFT-s-OFDM 256QAM^Inner Full:PC3	16.24	17.00
n41	80MHz	30kHz	529998	22	CP-OFDM QPSK^Inner 1RB Left:PC3	18.05	19.00
n41	80MHz	30kHz	529998	23	CP-OFDM QPSK^Inner 1RB Right:PC3	18.78	19.00
n41	80MHz	30kHz	529998	24	CP-OFDM QPSK^Inner Full:PC3	19.15	20.00
n41	80MHz	30kHz	529998	25	CP-OFDM 16QAM^Inner 1RB Left:PC3	17.72	18.00
n41	80MHz	30kHz	529998	26	CP-OFDM 16QAM^Inner 1RB Right:PC3	18.38	19.00
n41	80MHz	30kHz	529998	27	CP-OFDM 16QAM^Inner Full:PC3	18.68	19.00
n41	80MHz	30kHz	529998	28	CP-OFDM 64QAM^Inner 1RB Left:PC3	16.35	17.00
n41	80MHz	30kHz	529998	29	CP-OFDM 64QAM^Inner 1RB Right:PC3	16.92	17.00
n41	80MHz	30kHz	529998	30	CP-OFDM 64QAM^Inner Full:PC3	17.15	18.00
n41	80MHz	30kHz	529998	31	CP-OFDM 256QAM^Inner 1RB Left:PC3	13.24	14.00
n41	80MHz	30kHz	529998	32	CP-OFDM 256QAM^Inner 1RB Right:PC3	13.97	14.00
n41	80MHz	30kHz	529998	33	CP-OFDM 256QAM^Inner Full:PC3	14.17	15.00
n41	90MHz	30kHz	508200	1	DFT-s-OFDM PI/2 BPSK^Inner 1RB Left:PC3	19.91	20.00
n41	90MHz	30kHz	508200	2	DFT-s-OFDM PI/2 BPSK^Inner 1RB Right:PC3	19.59	20.00
n41	90MHz	30kHz	508200	3	DFT-s-OFDM PI/2 BPSK^Inner Full:PC3	20.63	21.00
n41	90MHz	30kHz	508200	4	DFT-s-OFDM PI/2 BPSK^Edge 1RB Left:PC3	19.38	20.00
n41	90MHz	30kHz	508200	5	DFT-s-OFDM PI/2 BPSK^Edge 1RB Right:PC3	19.08	20.00
n41	90MHz	30kHz	508200	6	DFT-s-OFDM PI/2 BPSK^Outer Full:PC3	20.01	21.00
n41	90MHz	30kHz	508200	7	DFT-s-OFDM QPSK^Inner 1RB Left:PC3	19.87	20.00
n41	90MHz	30kHz	508200	8	DFT-s-OFDM QPSK^Inner 1RB Right:PC3	19.60	20.00
n41	90MHz	30kHz	508200	9	DFT-s-OFDM QPSK^Inner Full:PC3	20.66	21.00
n41	90MHz	30kHz	508200	10	DFT-s-OFDM QPSK^Edge 1RB Left:PC3	18.75	19.00
n41	90MHz	30kHz	508200	11	DFT-s-OFDM QPSK^Edge 1RB Right:PC3	18.46	19.00
n41	90MHz	30kHz	508200	12	DFT-s-OFDM QPSK^Outer Full:PC3	19.49	20.00
n41	90MHz	30kHz	508200	13	DFT-s-OFDM 16QAM^Inner 1RB Left:PC3	18.70	19.00
n41	90MHz	30kHz	508200	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC3	18.45	19.00
n41	90MHz	30kHz	508200	15	DFT-s-OFDM 16QAM^Inner Full:PC3	19.64	20.00
n41	90MHz	30kHz	508200	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC3	17.36	18.00
n41	90MHz	30kHz	508200	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC3	17.15	18.00
n41	90MHz	30kHz	508200	18	DFT-s-OFDM 64QAM^Inner Full:PC3	18.14	19.00
n41	90MHz	30kHz	508200	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC3	15.51	16.00
n41	90MHz	30kHz	508200	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC3	15.29	16.00
n41	90MHz	30kHz	508200	21	DFT-s-OFDM 256QAM^Inner Full:PC3	16.14	17.00
n41	90MHz	30kHz	508200	22	CP-OFDM QPSK^Inner 1RB Left:PC3	18.38	19.00
n41	90MHz	30kHz	508200	23	CP-OFDM QPSK^Inner 1RB Right:PC3	18.12	19.00
n41	90MHz	30kHz	508200	24	CP-OFDM QPSK^Inner Full:PC3	19.10	20.00
n41	90MHz	30kHz	508200	25	CP-OFDM 16QAM^Inner 1RB Left:PC3	17.90	18.00
n41	90MHz	30kHz	508200	26	CP-OFDM 16QAM^Inner 1RB Right:PC3	17.60	18.00
n41	90MHz	30kHz	508200	27	CP-OFDM 16QAM^Inner Full:PC3	18.57	19.00
n41	90MHz	30kHz	508200	28	CP-OFDM 64QAM^Inner 1RB Left:PC3	16.48	17.00
n41	90MHz	30kHz	508200	29	CP-OFDM 64QAM^Inner 1RB Right:PC3	16.22	17.00
n41	90MHz	30kHz	508200	30	CP-OFDM 64QAM^Inner Full:PC3	17.09	18.00
n41	90MHz	30kHz	508200	31	CP-OFDM 256QAM^Inner 1RB Left:PC3	13.50	14.00
n41	90MHz	30kHz	508200	32	CP-OFDM 256QAM^Inner 1RB Right:PC3	13.22	14.00
n41	90MHz	30kHz	508200	33	CP-OFDM 256QAM^Inner Full:PC3	14.11	15.00
n41	90MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner 1RB Left:PC3	19.96	20.00
n41	90MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner 1RB Right:PC3	20.37	21.00
n41	90MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner Full:PC3	20.09	21.00
n41	90MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge 1RB Left:PC3	19.46	20.00
n41	90MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge 1RB Right:PC3	19.90	20.00
n41	90MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer Full:PC3	19.64	20.00
n41	90MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner 1RB Left:PC3	19.98	20.00
n41	90MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner 1RB Right:PC3	20.36	21.00
n41	90MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner Full:PC3	20.10	21.00
n41	90MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge 1RB Left:PC3	18.91	19.00
n41	90MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge 1RB Right:PC3	19.33	20.00
n41	90MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer Full:PC3	19.15	20.00
n41	90MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner 1RB Left:PC3	18.88	19.00
n41	90MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC3	19.23	20.00
n41	90MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner Full:PC3	19.11	20.00
n41	90MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC3	17.50	18.00
n41	90MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC3	17.85	18.00
n41	90MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner Full:PC3	17.56	18.00
n41	90MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC3	15.69	16.00
n41	90MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC3	16.09	17.00



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n41	90MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.63	16.00
n41	90MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.43	19.00
n41	90MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.95	19.00
n41	90MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	18.56	19.00
n41	90MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.97	18.00
n41	90MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.47	19.00
n41	90MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.02	19.00
n41	90MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.54	17.00
n41	90MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.93	17.00
n41	90MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	16.54	17.00
n41	90MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	13.67	14.00
n41	90MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.10	15.00
n41	90MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	13.54	14.00
n41	90MHz	30kHz	528996	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.20	20.00
n41	90MHz	30kHz	528996	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.14	21.00
n41	90MHz	30kHz	528996	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.59	21.00
n41	90MHz	30kHz	528996	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	18.66	19.00
n41	90MHz	30kHz	528996	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	19.67	20.00
n41	90MHz	30kHz	528996	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.87	20.00
n41	90MHz	30kHz	528996	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.16	20.00
n41	90MHz	30kHz	528996	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.17	21.00
n41	90MHz	30kHz	528996	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.59	21.00
n41	90MHz	30kHz	528996	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.09	19.00
n41	90MHz	30kHz	528996	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.06	20.00
n41	90MHz	30kHz	528996	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.36	20.00
n41	90MHz	30kHz	528996	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.03	19.00
n41	90MHz	30kHz	528996	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	18.99	19.00
n41	90MHz	30kHz	528996	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.58	20.00
n41	90MHz	30kHz	528996	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	16.69	17.00
n41	90MHz	30kHz	528996	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	17.64	18.00
n41	90MHz	30kHz	528996	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.06	19.00
n41	90MHz	30kHz	528996	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	14.91	15.00
n41	90MHz	30kHz	528996	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.88	16.00
n41	90MHz	30kHz	528996	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	15.99	16.00
n41	90MHz	30kHz	528996	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	17.73	18.00
n41	90MHz	30kHz	528996	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.80	19.00
n41	90MHz	30kHz	528996	24	CP-OFDM QPSK^Inner_Full:PC3	19.06	20.00
n41	90MHz	30kHz	528996	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	16.96	17.00
n41	90MHz	30kHz	528996	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.04	19.00
n41	90MHz	30kHz	528996	27	CP-OFDM 16QAM^Inner_Full:PC3	18.55	19.00
n41	90MHz	30kHz	528996	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	15.94	16.00
n41	90MHz	30kHz	528996	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	16.80	17.00
n41	90MHz	30kHz	528996	30	CP-OFDM 64QAM^Inner_Full:PC3	17.02	18.00
n41	90MHz	30kHz	528996	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	12.76	13.00
n41	90MHz	30kHz	528996	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	13.81	14.00
n41	90MHz	30kHz	528996	33	CP-OFDM 256QAM^Inner_Full:PC3	14.12	15.00
n41	100MHz	30kHz	509202	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	19.75	20.00
n41	100MHz	30kHz	509202	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	19.43	20.00
n41	100MHz	30kHz	509202	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.62	21.00
n41	100MHz	30kHz	509202	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.24	20.00
n41	100MHz	30kHz	509202	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	18.92	19.00
n41	100MHz	30kHz	509202	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	19.95	20.00
n41	100MHz	30kHz	509202	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.79	20.00
n41	100MHz	30kHz	509202	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.48	20.00
n41	100MHz	30kHz	509202	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.64	21.00
n41	100MHz	30kHz	509202	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	18.71	19.00
n41	100MHz	30kHz	509202	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	18.44	19.00
n41	100MHz	30kHz	509202	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.39	20.00
n41	100MHz	30kHz	509202	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	18.78	19.00
n41	100MHz	30kHz	509202	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	18.48	19.00
n41	100MHz	30kHz	509202	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.63	20.00
n41	100MHz	30kHz	509202	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	17.29	18.00
n41	100MHz	30kHz	509202	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	16.98	17.00
n41	100MHz	30kHz	509202	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.20	19.00
n41	100MHz	30kHz	509202	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	15.36	16.00
n41	100MHz	30kHz	509202	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	15.08	16.00
n41	100MHz	30kHz	509202	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.12	17.00
n41	100MHz	30kHz	509202	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.33	19.00
n41	100MHz	30kHz	509202	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	17.95	18.00
n41	100MHz	30kHz	509202	24	CP-OFDM QPSK^Inner_Full:PC3	19.11	20.00
n41	100MHz	30kHz	509202	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	17.82	18.00
n41	100MHz	30kHz	509202	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	17.46	18.00
n41	100MHz	30kHz	509202	27	CP-OFDM 16QAM^Inner_Full:PC3	18.61	19.00
n41	100MHz	30kHz	509202	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	16.52	17.00



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n41	100MHz	30kHz	509202	29	CP-OFDM 64QAM^Inner 1RB Right:PC3	16.17	17.00
n41	100MHz	30kHz	509202	30	CP-OFDM 64QAM^Inner Full:PC3	17.13	18.00
n41	100MHz	30kHz	509202	31	CP-OFDM 256QAM^Inner 1RB Left:PC3	13.43	14.00
n41	100MHz	30kHz	509202	32	CP-OFDM 256QAM^Inner 1RB Right:PC3	13.05	14.00
n41	100MHz	30kHz	509202	33	CP-OFDM 256QAM^Inner Full:PC3	14.13	15.00
n41	100MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner 1RB Left:PC3	19.96	20.00
n41	100MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner 1RB Right:PC3	20.35	21.00
n41	100MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner Full:PC3	20.10	21.00
n41	100MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge 1RB Left:PC3	19.45	20.00
n41	100MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge 1RB Right:PC3	19.89	20.00
n41	100MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer Full:PC3	19.70	20.00
n41	100MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner 1RB Left:PC3	19.95	20.00
n41	100MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner 1RB Right:PC3	20.40	21.00
n41	100MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner Full:PC3	20.10	21.00
n41	100MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge 1RB Left:PC3	18.98	19.00
n41	100MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge 1RB Right:PC3	19.38	20.00
n41	100MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer Full:PC3	19.16	20.00
n41	100MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner 1RB Left:PC3	18.91	19.00
n41	100MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC3	19.36	20.00
n41	100MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner Full:PC3	19.13	20.00
n41	100MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC3	17.66	18.00
n41	100MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC3	17.91	18.00
n41	100MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner Full:PC3	17.60	18.00
n41	100MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC3	15.55	16.00
n41	100MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC3	16.01	17.00
n41	100MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner Full:PC3	15.59	16.00
n41	100MHz	30kHz	518598	22	CP-OFDM QPSK^Inner 1RB Left:PC3	18.48	19.00
n41	100MHz	30kHz	518598	23	CP-OFDM QPSK^Inner 1RB Right:PC3	18.97	19.00
n41	100MHz	30kHz	518598	24	CP-OFDM QPSK^Inner Full:PC3	18.62	19.00
n41	100MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner 1RB Left:PC3	17.87	18.00
n41	100MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner 1RB Right:PC3	18.33	19.00
n41	100MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner Full:PC3	18.12	19.00
n41	100MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner 1RB Left:PC3	16.70	17.00
n41	100MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner 1RB Right:PC3	16.91	17.00
n41	100MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner Full:PC3	16.60	17.00
n41	100MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner 1RB Left:PC3	13.61	14.00
n41	100MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner 1RB Right:PC3	14.01	15.00
n41	100MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner Full:PC3	13.61	14.00
n41	100MHz	30kHz	528000	1	DFT-s-OFDM PI/2 BPSK^Inner 1RB Left:PC3	18.80	19.00
n41	100MHz	30kHz	528000	2	DFT-s-OFDM PI/2 BPSK^Inner 1RB Right:PC3	20.05	21.00
n41	100MHz	30kHz	528000	3	DFT-s-OFDM PI/2 BPSK^Inner Full:PC3	20.50	21.00
n41	100MHz	30kHz	528000	4	DFT-s-OFDM PI/2 BPSK^Edge 1RB Left:PC3	18.31	19.00
n41	100MHz	30kHz	528000	5	DFT-s-OFDM PI/2 BPSK^Edge 1RB Right:PC3	19.53	20.00
n41	100MHz	30kHz	528000	6	DFT-s-OFDM PI/2 BPSK^Outer Full:PC3	19.73	20.00
n41	100MHz	30kHz	528000	7	DFT-s-OFDM QPSK^Inner 1RB Left:PC3	18.74	19.00
n41	100MHz	30kHz	528000	8	DFT-s-OFDM QPSK^Inner 1RB Right:PC3	20.04	21.00
n41	100MHz	30kHz	528000	9	DFT-s-OFDM QPSK^Inner Full:PC3	20.51	21.00
n41	100MHz	30kHz	528000	10	DFT-s-OFDM QPSK^Edge 1RB Left:PC3	17.74	18.00
n41	100MHz	30kHz	528000	11	DFT-s-OFDM QPSK^Edge 1RB Right:PC3	19.06	20.00
n41	100MHz	30kHz	528000	12	DFT-s-OFDM QPSK^Outer Full:PC3	19.25	20.00
n41	100MHz	30kHz	528000	13	DFT-s-OFDM 16QAM^Inner 1RB Left:PC3	17.62	18.00
n41	100MHz	30kHz	528000	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC3	18.94	19.00
n41	100MHz	30kHz	528000	15	DFT-s-OFDM 16QAM^Inner Full:PC3	19.52	20.00
n41	100MHz	30kHz	528000	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC3	16.21	17.00
n41	100MHz	30kHz	528000	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC3	17.53	18.00
n41	100MHz	30kHz	528000	18	DFT-s-OFDM 64QAM^Inner Full:PC3	18.00	19.00
n41	100MHz	30kHz	528000	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC3	14.52	15.00
n41	100MHz	30kHz	528000	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC3	15.82	16.00
n41	100MHz	30kHz	528000	21	DFT-s-OFDM 256QAM^Inner Full:PC3	15.99	16.00
n41	100MHz	30kHz	528000	22	CP-OFDM QPSK^Inner 1RB Left:PC3	17.29	18.00
n41	100MHz	30kHz	528000	23	CP-OFDM QPSK^Inner 1RB Right:PC3	18.73	19.00
n41	100MHz	30kHz	528000	24	CP-OFDM QPSK^Inner Full:PC3	19.03	20.00
n41	100MHz	30kHz	528000	25	CP-OFDM 16QAM^Inner 1RB Left:PC3	16.64	17.00
n41	100MHz	30kHz	528000	26	CP-OFDM 16QAM^Inner 1RB Right:PC3	17.96	18.00
n41	100MHz	30kHz	528000	27	CP-OFDM 16QAM^Inner Full:PC3	18.53	19.00
n41	100MHz	30kHz	528000	28	CP-OFDM 64QAM^Inner 1RB Left:PC3	15.65	16.00
n41	100MHz	30kHz	528000	29	CP-OFDM 64QAM^Inner 1RB Right:PC3	16.80	17.00
n41	100MHz	30kHz	528000	30	CP-OFDM 64QAM^Inner Full:PC3	17.02	18.00
n41	100MHz	30kHz	528000	31	CP-OFDM 256QAM^Inner 1RB Left:PC3	12.54	13.00
n41	100MHz	30kHz	528000	32	CP-OFDM 256QAM^Inner 1RB Right:PC3	13.90	14.00
n41	100MHz	30kHz	528000	33	CP-OFDM 256QAM^Inner Full:PC3	13.99	14.00



**7.1.9. Conducted Power Measurement Results(5G NR Band n78)**

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune up(dBm)
n78	20MHz	30kHz	647334	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.71	25.00
n78	20MHz	30kHz	647334	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.77	25.50
n78	20MHz	30kHz	647334	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.92	25.50
n78	20MHz	30kHz	647334	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	21.18	21.50
n78	20MHz	30kHz	647334	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	21.30	22.00
n78	20MHz	30kHz	647334	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	24.40	25.00
n78	20MHz	30kHz	647334	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.63	25.00
n78	20MHz	30kHz	647334	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.75	25.00
n78	20MHz	30kHz	647334	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.92	25.50
n78	20MHz	30kHz	647334	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	21.18	21.50
n78	20MHz	30kHz	647334	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	21.23	21.50
n78	20MHz	30kHz	647334	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.92	24.50
n78	20MHz	30kHz	647334	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.63	24.00
n78	20MHz	30kHz	647334	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.72	24.00
n78	20MHz	30kHz	647334	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.88	24.50
n78	20MHz	30kHz	647334	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.96	22.50
n78	20MHz	30kHz	647334	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.06	22.50
n78	20MHz	30kHz	647334	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	22.44	23.00
n78	20MHz	30kHz	647334	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	20.36	21.00
n78	20MHz	30kHz	647334	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	20.37	21.00
n78	20MHz	30kHz	647334	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	20.49	21.00
n78	20MHz	30kHz	647334	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	23.24	23.50
n78	20MHz	30kHz	647334	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	23.29	24.00
n78	20MHz	30kHz	647334	24	CP-OFDM QPSK^Inner_Full:PC2	23.38	24.00
n78	20MHz	30kHz	647334	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.92	23.50
n78	20MHz	30kHz	647334	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.94	23.50
n78	20MHz	30kHz	647334	27	CP-OFDM 16QAM^Inner_Full:PC2	22.87	23.50
n78	20MHz	30kHz	647334	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.36	22.00
n78	20MHz	30kHz	647334	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	21.45	22.00
n78	20MHz	30kHz	647334	30	CP-OFDM 64QAM^Inner_Full:PC2	21.39	22.00
n78	20MHz	30kHz	647334	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	18.57	19.00
n78	20MHz	30kHz	647334	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.67	19.00
n78	20MHz	30kHz	647334	33	CP-OFDM 256QAM^Inner_Full:PC2	18.56	19.00
n78	20MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.78	25.50
n78	20MHz	30kHz	650000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.93	25.50
n78	20MHz	30kHz	650000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	25.05	25.50
n78	20MHz	30kHz	650000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	21.32	22.00
n78	20MHz	30kHz	650000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	21.43	22.00
n78	20MHz	30kHz	650000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	24.51	25.00
n78	20MHz	30kHz	650000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.84	25.50
n78	20MHz	30kHz	650000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.94	25.50
n78	20MHz	30kHz	650000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	25.05	25.50
n78	20MHz	30kHz	650000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	21.32	22.00
n78	20MHz	30kHz	650000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	21.41	22.00
n78	20MHz	30kHz	650000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	24.04	24.50



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n78	20MHz	30kHz	650000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.85	24.50
n78	20MHz	30kHz	650000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.99	24.50
n78	20MHz	30kHz	650000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	24.03	24.50
n78	20MHz	30kHz	650000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.25	22.50
n78	20MHz	30kHz	650000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.34	23.00
n78	20MHz	30kHz	650000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	22.54	23.00
n78	20MHz	30kHz	650000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	20.45	21.00
n78	20MHz	30kHz	650000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	20.61	21.00
n78	20MHz	30kHz	650000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	20.63	21.00
n78	20MHz	30kHz	650000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	23.33	24.00
n78	20MHz	30kHz	650000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	23.42	24.00
n78	20MHz	30kHz	650000	24	CP-OFDM QPSK^Inner_Full:PC2	23.52	24.00
n78	20MHz	30kHz	650000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.93	23.50
n78	20MHz	30kHz	650000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	23.14	23.50
n78	20MHz	30kHz	650000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.97	23.50
n78	20MHz	30kHz	650000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.40	22.00
n78	20MHz	30kHz	650000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	21.48	22.00
n78	20MHz	30kHz	650000	30	CP-OFDM 64QAM^Inner_Full:PC2	21.56	22.00
n78	20MHz	30kHz	650000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	18.71	19.00
n78	20MHz	30kHz	650000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.80	19.50
n78	20MHz	30kHz	650000	33	CP-OFDM 256QAM^Inner_Full:PC2	18.71	19.00
n78	20MHz	30kHz	652666	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	25.05	25.50
n78	20MHz	30kHz	652666	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	25.11	25.50
n78	20MHz	30kHz	652666	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	25.27	26.00
n78	20MHz	30kHz	652666	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	21.63	22.00
n78	20MHz	30kHz	652666	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	21.70	22.00
n78	20MHz	30kHz	652666	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	24.76	25.50
n78	20MHz	30kHz	652666	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	25.08	25.50
n78	20MHz	30kHz	652666	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	25.12	25.50
n78	20MHz	30kHz	652666	9	DFT-s-OFDM QPSK^Inner_Full:PC2	25.26	26.00
n78	20MHz	30kHz	652666	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	21.60	22.00
n78	20MHz	30kHz	652666	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	21.61	22.00
n78	20MHz	30kHz	652666	12	DFT-s-OFDM QPSK^Outer_Full:PC2	24.24	24.50
n78	20MHz	30kHz	652666	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	24.11	24.50
n78	20MHz	30kHz	652666	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	24.26	25.00
n78	20MHz	30kHz	652666	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	24.23	24.50
n78	20MHz	30kHz	652666	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.54	23.00
n78	20MHz	30kHz	652666	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.62	23.00
n78	20MHz	30kHz	652666	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	22.83	23.50
n78	20MHz	30kHz	652666	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	20.78	21.50
n78	20MHz	30kHz	652666	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	20.75	21.00
n78	20MHz	30kHz	652666	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	20.85	21.50
n78	20MHz	30kHz	652666	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	23.63	24.00
n78	20MHz	30kHz	652666	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	23.72	24.00
n78	20MHz	30kHz	652666	24	CP-OFDM QPSK^Inner_Full:PC2	23.72	24.00
n78	20MHz	30kHz	652666	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	23.25	23.50
n78	20MHz	30kHz	652666	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	23.34	24.00
n78	20MHz	30kHz	652666	27	CP-OFDM 16QAM^Inner_Full:PC2	23.26	24.00
n78	20MHz	30kHz	652666	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.55	22.00



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n78	20MHz	30kHz	652666	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	21.62	22.00
n78	20MHz	30kHz	652666	30	CP-OFDM 64QAM^Inner_Full:PC2	21.76	22.50
n78	20MHz	30kHz	652666	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	19.02	19.50
n78	20MHz	30kHz	652666	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	19.02	19.50
n78	20MHz	30kHz	652666	33	CP-OFDM 256QAM^Inner_Full:PC2	18.93	19.50
n78	50MHz	30kHz	648334	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.60	25.00
n78	50MHz	30kHz	648334	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.83	25.50
n78	50MHz	30kHz	648334	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	25.01	25.50
n78	50MHz	30kHz	648334	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	21.05	21.50
n78	50MHz	30kHz	648334	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	21.37	22.00
n78	50MHz	30kHz	648334	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	24.49	25.00
n78	50MHz	30kHz	648334	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.64	25.00
n78	50MHz	30kHz	648334	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.86	25.50
n78	50MHz	30kHz	648334	9	DFT-s-OFDM QPSK^Inner_Full:PC2	25.01	25.50
n78	50MHz	30kHz	648334	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	21.11	21.50
n78	50MHz	30kHz	648334	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	21.40	22.00
n78	50MHz	30kHz	648334	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.99	24.50
n78	50MHz	30kHz	648334	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.65	24.00
n78	50MHz	30kHz	648334	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	24.05	24.50
n78	50MHz	30kHz	648334	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	24.01	24.50
n78	50MHz	30kHz	648334	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.08	22.50
n78	50MHz	30kHz	648334	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.26	23.00
n78	50MHz	30kHz	648334	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	22.53	23.00
n78	50MHz	30kHz	648334	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	20.27	21.00
n78	50MHz	30kHz	648334	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	20.62	21.00
n78	50MHz	30kHz	648334	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	20.56	21.00
n78	50MHz	30kHz	648334	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	23.14	23.50
n78	50MHz	30kHz	648334	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	23.33	24.00
n78	50MHz	30kHz	648334	24	CP-OFDM QPSK^Inner_Full:PC2	23.49	24.00
n78	50MHz	30kHz	648334	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.72	23.00
n78	50MHz	30kHz	648334	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	23.05	23.50
n78	50MHz	30kHz	648334	27	CP-OFDM 16QAM^Inner_Full:PC2	22.98	23.50
n78	50MHz	30kHz	648334	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.14	21.50
n78	50MHz	30kHz	648334	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	21.29	22.00
n78	50MHz	30kHz	648334	30	CP-OFDM 64QAM^Inner_Full:PC2	21.41	22.00
n78	50MHz	30kHz	648334	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	18.58	19.00
n78	50MHz	30kHz	648334	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.77	19.50
n78	50MHz	30kHz	648334	33	CP-OFDM 256QAM^Inner_Full:PC2	18.57	19.00
n78	50MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.71	25.00
n78	50MHz	30kHz	650000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.97	25.50
n78	50MHz	30kHz	650000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	25.04	25.50
n78	50MHz	30kHz	650000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	21.25	21.50
n78	50MHz	30kHz	650000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	21.55	22.00
n78	50MHz	30kHz	650000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	24.52	25.00
n78	50MHz	30kHz	650000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.74	25.00
n78	50MHz	30kHz	650000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	25.03	25.50
n78	50MHz	30kHz	650000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	25.08	25.50
n78	50MHz	30kHz	650000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	21.22	21.50
n78	50MHz	30kHz	650000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	21.53	22.00



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n78	50MHz	30kHz	650000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	24.02	24.50
n78	50MHz	30kHz	650000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.82	24.50
n78	50MHz	30kHz	650000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	24.04	24.50
n78	50MHz	30kHz	650000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	24.04	24.50
n78	50MHz	30kHz	650000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.12	22.50
n78	50MHz	30kHz	650000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.43	23.00
n78	50MHz	30kHz	650000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	22.56	23.00
n78	50MHz	30kHz	650000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	20.51	21.00
n78	50MHz	30kHz	650000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	20.58	21.00
n78	50MHz	30kHz	650000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	20.61	21.00
n78	50MHz	30kHz	650000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	23.27	24.00
n78	50MHz	30kHz	650000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	23.50	24.00
n78	50MHz	30kHz	650000	24	CP-OFDM QPSK^Inner_Full:PC2	23.51	24.00
n78	50MHz	30kHz	650000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.87	23.50
n78	50MHz	30kHz	650000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	23.32	24.00
n78	50MHz	30kHz	650000	27	CP-OFDM 16QAM^Inner_Full:PC2	23.05	23.50
n78	50MHz	30kHz	650000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.32	22.00
n78	50MHz	30kHz	650000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	21.60	22.00
n78	50MHz	30kHz	650000	30	CP-OFDM 64QAM^Inner_Full:PC2	21.50	22.00
n78	50MHz	30kHz	650000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	18.69	19.00
n78	50MHz	30kHz	650000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.95	19.50
n78	50MHz	30kHz	650000	33	CP-OFDM 256QAM^Inner_Full:PC2	18.66	19.00
n78	50MHz	30kHz	651666	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.66	25.00
n78	50MHz	30kHz	651666	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	25.06	25.50
n78	50MHz	30kHz	651666	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	25.15	25.50
n78	50MHz	30kHz	651666	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	21.15	21.50
n78	50MHz	30kHz	651666	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	21.58	22.00
n78	50MHz	30kHz	651666	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	24.56	25.00
n78	50MHz	30kHz	651666	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.69	25.00
n78	50MHz	30kHz	651666	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	25.05	25.50
n78	50MHz	30kHz	651666	9	DFT-s-OFDM QPSK^Inner_Full:PC2	25.16	25.50
n78	50MHz	30kHz	651666	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	21.26	22.00
n78	50MHz	30kHz	651666	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	21.57	22.00
n78	50MHz	30kHz	651666	12	DFT-s-OFDM QPSK^Outer_Full:PC2	24.08	24.50
n78	50MHz	30kHz	651666	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.94	24.50
n78	50MHz	30kHz	651666	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	24.20	24.50
n78	50MHz	30kHz	651666	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	24.16	24.50
n78	50MHz	30kHz	651666	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.35	23.00
n78	50MHz	30kHz	651666	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.70	23.00
n78	50MHz	30kHz	651666	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	22.67	23.00
n78	50MHz	30kHz	651666	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	20.36	21.00
n78	50MHz	30kHz	651666	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	20.64	21.00
n78	50MHz	30kHz	651666	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	20.74	21.00
n78	50MHz	30kHz	651666	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	23.25	23.50
n78	50MHz	30kHz	651666	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	23.65	24.00
n78	50MHz	30kHz	651666	24	CP-OFDM QPSK^Inner_Full:PC2	23.64	24.00
n78	50MHz	30kHz	651666	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.93	23.50
n78	50MHz	30kHz	651666	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	23.19	23.50
n78	50MHz	30kHz	651666	27	CP-OFDM 16QAM^Inner_Full:PC2	23.14	23.50



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n78	50MHz	30kHz	651666	28	CP-OFDM 64QAM^Inner 1RB Left:PC2	21.48	22.00
n78	50MHz	30kHz	651666	29	CP-OFDM 64QAM^Inner 1RB Right:PC2	21.78	22.50
n78	50MHz	30kHz	651666	30	CP-OFDM 64QAM^Inner Full:PC2	21.62	22.00
n78	50MHz	30kHz	651666	31	CP-OFDM 256QAM^Inner 1RB Left:PC2	18.70	19.00
n78	50MHz	30kHz	651666	32	CP-OFDM 256QAM^Inner 1RB Right:PC2	18.99	19.50
n78	50MHz	30kHz	651666	33	CP-OFDM 256QAM^Inner Full:PC2	18.77	19.50
n78	100MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Inner 1RB Left:PC2	23.82	24.50
n78	100MHz	30kHz	650000	2	DFT-s-OFDM PI/2 BPSK^Inner 1RB Right:PC2	24.53	25.00
n78	100MHz	30kHz	650000	3	DFT-s-OFDM PI/2 BPSK^Inner Full:PC2	25.04	25.50
n78	100MHz	30kHz	650000	4	DFT-s-OFDM PI/2 BPSK^Edge 1RB Left:PC2	20.32	21.00
n78	100MHz	30kHz	650000	5	DFT-s-OFDM PI/2 BPSK^Edge 1RB Right:PC2	21.04	21.50
n78	100MHz	30kHz	650000	6	DFT-s-OFDM PI/2 BPSK^Outer Full:PC2	24.41	25.00
n78	100MHz	30kHz	650000	7	DFT-s-OFDM QPSK^Inner 1RB Left:PC2	23.75	24.00
n78	100MHz	30kHz	650000	8	DFT-s-OFDM QPSK^Inner 1RB Right:PC2	24.46	25.00
n78	100MHz	30kHz	650000	9	DFT-s-OFDM QPSK^Inner Full:PC2	25.06	25.50
n78	100MHz	30kHz	650000	10	DFT-s-OFDM QPSK^Edge 1RB Left:PC2	20.30	21.00
n78	100MHz	30kHz	650000	11	DFT-s-OFDM QPSK^Edge 1RB Right:PC2	21.04	21.50
n78	100MHz	30kHz	650000	12	DFT-s-OFDM QPSK^Outer Full:PC2	23.91	24.50
n78	100MHz	30kHz	650000	13	DFT-s-OFDM 16QAM^Inner 1RB Left:PC2	22.69	23.00
n78	100MHz	30kHz	650000	14	DFT-s-OFDM 16QAM^Inner 1RB Right:PC2	23.41	24.00
n78	100MHz	30kHz	650000	15	DFT-s-OFDM 16QAM^Inner Full:PC2	24.08	24.50
n78	100MHz	30kHz	650000	16	DFT-s-OFDM 64QAM^Inner 1RB Left:PC2	21.09	21.50
n78	100MHz	30kHz	650000	17	DFT-s-OFDM 64QAM^Inner 1RB Right:PC2	21.80	22.50
n78	100MHz	30kHz	650000	18	DFT-s-OFDM 64QAM^Inner Full:PC2	22.59	23.00
n78	100MHz	30kHz	650000	19	DFT-s-OFDM 256QAM^Inner 1RB Left:PC2	19.56	20.00
n78	100MHz	30kHz	650000	20	DFT-s-OFDM 256QAM^Inner 1RB Right:PC2	20.27	21.00
n78	100MHz	30kHz	650000	21	DFT-s-OFDM 256QAM^Inner Full:PC2	20.58	21.00
n78	100MHz	30kHz	650000	22	CP-OFDM QPSK^Inner 1RB Left:PC2	22.24	22.50
n78	100MHz	30kHz	650000	23	CP-OFDM QPSK^Inner 1RB Right:PC2	23.01	23.50
n78	100MHz	30kHz	650000	24	CP-OFDM QPSK^Inner Full:PC2	23.49	24.00
n78	100MHz	30kHz	650000	25	CP-OFDM 16QAM^Inner 1RB Left:PC2	21.72	22.00
n78	100MHz	30kHz	650000	26	CP-OFDM 16QAM^Inner 1RB Right:PC2	22.52	23.00
n78	100MHz	30kHz	650000	27	CP-OFDM 16QAM^Inner Full:PC2	23.05	23.50
n78	100MHz	30kHz	650000	28	CP-OFDM 64QAM^Inner 1RB Left:PC2	20.25	20.50
n78	100MHz	30kHz	650000	29	CP-OFDM 64QAM^Inner 1RB Right:PC2	21.07	21.50
n78	100MHz	30kHz	650000	30	CP-OFDM 64QAM^Inner Full:PC2	21.53	22.00
n78	100MHz	30kHz	650000	31	CP-OFDM 256QAM^Inner 1RB Left:PC2	17.99	18.50
n78	100MHz	30kHz	650000	32	CP-OFDM 256QAM^Inner 1RB Right:PC2	18.76	19.50
n78	100MHz	30kHz	650000	33	CP-OFDM 256QAM^Inner Full:PC2	18.73	19.00



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**7.1.10. Conducted Power Measurement Results(WIFI 2.4G)**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Tune Up
NVNT	b	2412	Ant1	15.76	16.00
NVNT	b	2437	Ant1	15.09	15.50
NVNT	b	2462	Ant1	15.30	16.00
NVNT	g	2412	Ant1	14.36	15.00
NVNT	g	2437	Ant1	14.50	15.00
NVNT	g	2462	Ant1	13.84	14.50
NVNT	n20	2412	Ant1	13.84	14.50
NVNT	n20	2437	Ant1	14.02	14.50
NVNT	n20	2462	Ant1	13.26	14.00
NVNT	n40	2422	Ant1	12.27	13.00
NVNT	n40	2437	Ant1	12.56	13.00
NVNT	n40	2452	Ant1	12.25	12.50

Note:

a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.

b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.

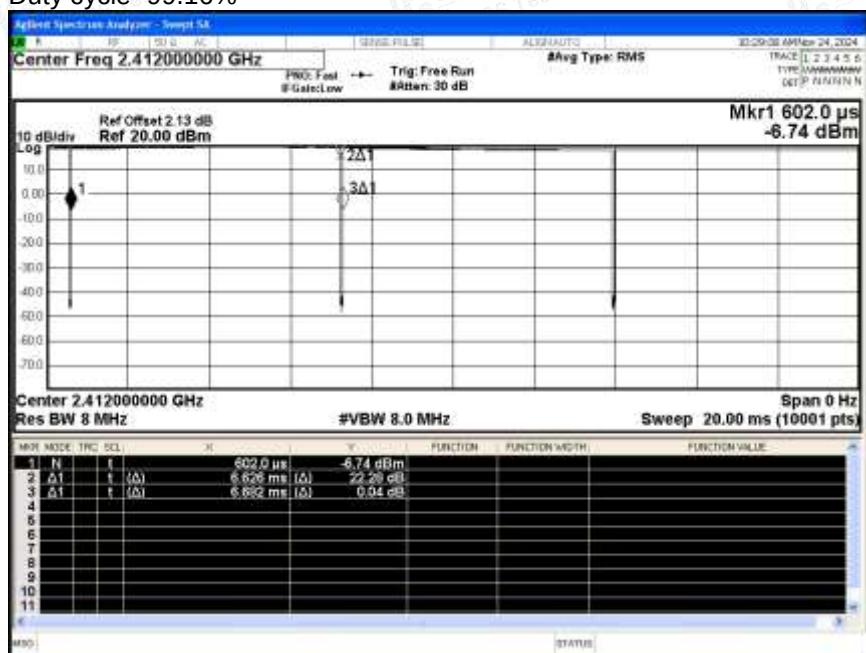
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.

2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.

c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.

WIFI 2.4G (802.11b):

Duty cycle=99.16%



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7.1.11. Conducted Power Measurement Results(WIFI 5.2G)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Tune Up
NVNT	a	5180	Ant1	12.43	0.24	12.67	13.00
NVNT	a	5200	Ant1	12.80	0.24	13.04	13.50
NVNT	a	5240	Ant1	12.28	0.24	12.52	13.00
NVNT	n20	5180	Ant1	11.53	0.12	11.65	12.00
NVNT	n20	5200	Ant1	11.22	0.12	11.34	12.00
NVNT	n20	5240	Ant1	11.89	0.12	12.01	12.50
NVNT	n40	5190	Ant1	9.97	0.24	10.21	10.50
NVNT	n40	5230	Ant1	10.95	0.24	11.19	11.50
NVNT	ac20	5180	Ant1	11.52	0.12	11.64	12.00
NVNT	ac20	5200	Ant1	11.40	0.12	11.52	12.00
NVNT	ac20	5240	Ant1	11.88	0.12	12.00	12.50
NVNT	ac40	5190	Ant1	10.02	0.24	10.26	11.00
NVNT	ac40	5230	Ant1	10.91	0.24	11.15	11.50
NVNT	ac80	5210	Ant1	9.16	0.25	9.41	10.00

Note:

a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.

b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.

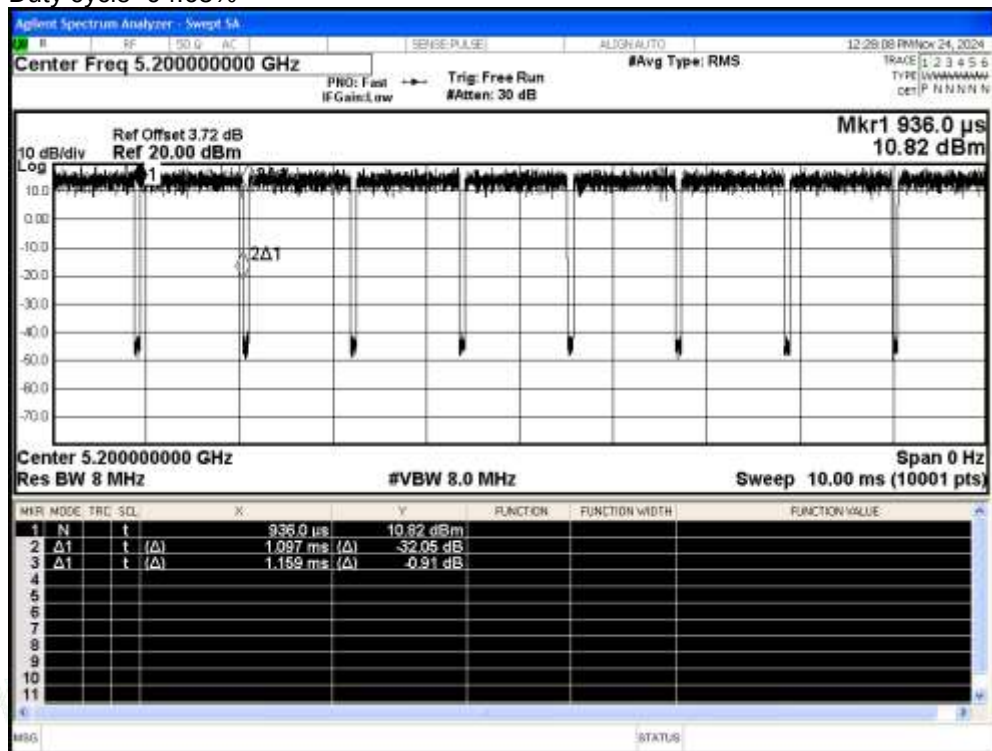
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.

2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.

c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.

WIFI 5.2G (802.11a):

Duty cycle=94.65%



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**7.1.12. Conducted Power Measurement Results(WIFI 5.8G)**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Tune Up
NVNT	a	5745	Ant1	12.95	0.24	13.19	13.50
NVNT	a	5785	Ant1	12.48	0.24	12.72	13.00
NVNT	a	5825	Ant1	12.16	0.24	12.40	13.00
NVNT	n20	5745	Ant1	11.83	0.12	11.95	12.50
NVNT	n20	5785	Ant1	11.01	0.12	11.13	11.50
NVNT	n20	5825	Ant1	11.64	0.12	11.76	12.50
NVNT	n40	5755	Ant1	10.78	0.24	11.02	11.50
NVNT	n40	5795	Ant1	9.93	0.24	10.17	10.50
NVNT	ac20	5745	Ant1	11.82	0.12	11.94	12.50
NVNT	ac20	5785	Ant1	11.05	0.12	11.17	11.50
NVNT	ac20	5825	Ant1	11.70	0.12	11.82	12.50
NVNT	ac40	5755	Ant1	10.81	0.24	11.05	11.50
NVNT	ac40	5795	Ant1	9.94	0.24	10.18	10.50
NVNT	ac80	5775	Ant1	8.93	0.25	9.18	9.50

Note:

a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.

b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.

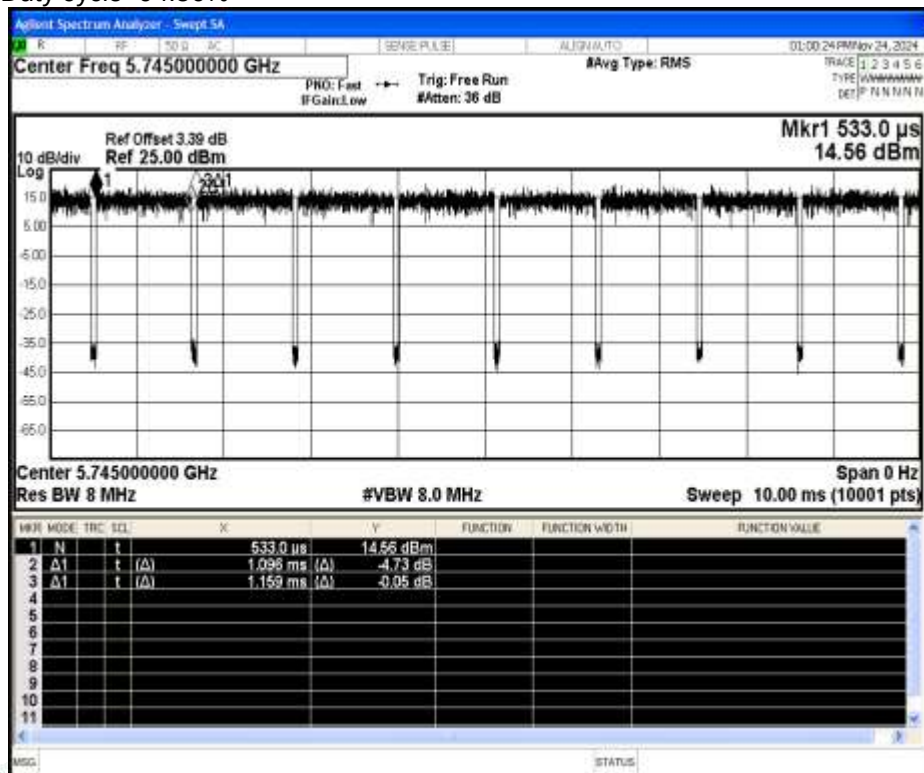
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.

2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.

c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.

WIFI 5.8G (802.11a):

Duty cycle=94.56%



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**7.1.13. Conducted Power Measurement Results(Bluetooth)**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Tune up
NVNT	1-DH5	2402	Ant1	-0.92	-0.50
NVNT	1-DH5	2441	Ant1	-0.40	0.00
NVNT	1-DH5	2480	Ant1	-1.84	-1.50
NVNT	2-DH5	2402	Ant1	-0.11	0.50
NVNT	2-DH5	2441	Ant1	0.40	1.00
NVNT	2-DH5	2480	Ant1	-0.50	0.00
NVNT	3-DH5	2402	Ant1	0.27	1.00
NVNT	3-DH5	2441	Ant1	0.79	1.50
NVNT	3-DH5	2480	Ant1	-0.19	0.50

BLE

TestMode	Antenna	Frequency (MHz)	Antenna	Conducted Power (dBm)	Tune up
BLE 1M	Ant1	2402	Ant1	0.12	0.50
		2440	Ant1	-0.14	0.50
		2480	Ant1	-1.61	-1.00
BLE 2M	Ant1	2402	Ant1	-0.01	0.50
		2440	Ant1	-0.34	0.00
		2480	Ant1	-1.79	-1.50





7.2. Stand-alone SAR test evaluation

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and Product specific 10g SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	
MHz	30	35	40	45	50	mm
150	232	271	310	349	387	SAR Test Exclusion Threshold (mW)
300	164	192	219	246	274	
450	134	157	179	201	224	
835	98	115	131	148	164	
900	95	111	126	142	158	
1500	73	86	98	110	122	
1900	65	76	87	98	109	
2450	57	67	77	86	96	
3600	47	55	63	71	79	
5200	39	46	53	59	66	
5400	39	45	52	58	65	
5800	37	44	50	56	62	

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.





The test exclusions are applicable only when the minimum test separation distance is > 50 mm and for transmission frequencies between 100 MHz and 6 GHz.

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and > 50 mm

MHz	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
100	474	481	487	494	501	507	514	521	527	534	541	547	554	561	567	mW
150	387	397	407	417	427	437	447	457	467	477	487	497	507	517	527	
300	274	294	314	334	354	374	394	414	434	454	474	494	514	534	554	
450	224	254	284	314	344	374	404	434	464	494	524	554	584	614	644	
835	164	220	275	331	387	442	498	554	609	665	721	776	832	888	943	
900	158	218	278	338	398	458	518	578	638	698	758	818	878	938	998	
1500	122	222	322	422	522	622	722	822	922	1022	1122	1222	1322	1422	1522	
1900	109	209	309	409	509	609	709	809	909	1009	1109	1209	1309	1409	1509	
2450	96	196	296	396	496	596	696	796	896	996	1096	1196	1296	1396	1496	
3600	79	179	279	379	479	579	679	779	879	979	1079	1179	1279	1379	1479	
5200	66	166	266	366	466	566	666	766	866	966	1066	1166	1266	1366	1466	
5400	65	165	265	365	465	565	665	765	865	965	1065	1165	1265	1365	1465	
5800	62	162	262	362	462	562	662	762	862	962	1062	1162	1262	1362	1462	

According to the table above, Standalone SAR exclusion calculation for this device are as below:

Freq. Band	Frequency (MHz)	Position	Test Separation (mm)	Max Power (dBm)	Max Power (mW)	Exclusion Threshold (mW)	Exclusion (Yes/No)
Bluetooth	2441	Rear side	5	1.50	1.41	10	Yes
	2441	Left side	185	1.50	1.41	1446	Yes
	2441	Right side	56	1.50	1.41	136	Yes
	2441	Top side	5	1.50	1.41	10	Yes
	2441	Bottom side	145	1.50	1.41	1046	Yes
Wi-Fi 2.4G	2412	Rear side	5	16.50	44.67	10	No
	2412	Left side	185	16.50	44.67	1446	Yes
	2412	Right side	56	16.50	44.67	136	Yes
	2412	Top side	5	16.50	44.67	10	No
	2412	Bottom side	145	16.50	44.67	1046	Yes
Wi-Fi 5.2G	5200	Rear side	5	13.50	22.39	7	No
	5200	Left side	185	13.50	22.39	1416	Yes
	5200	Right side	56	13.50	22.39	106	Yes
	5200	Top side	5	13.50	22.39	7	No
	5200	Bottom side	145	13.50	22.39	1016	Yes
Wi-Fi 5.8G	5745	Rear side	5	13.50	22.39	6	No
	5745	Left side	185	13.50	22.39	1412	Yes
	5745	Right side	56	13.50	22.39	102	Yes
	5745	Top side	5	13.50	22.39	6	No
	5745	Bottom side	145	13.50	22.39	1012	Yes
	1880	Rear side	5	24.00	251.19	11	No





WCDMA Band II	1880	Left side	233	24.00	251.19	1939	Yes
	1880	Right side	5	24.00	251.19	11	No
	1880	Top side	5	24.00	251.19	11	No
	1880	Bottom side	145	24.00	251.19	1059	Yes
WCDMA Band V	826.4	Rear side	5	24.00	251.19	16	No
	826.4	Left side	233	24.00	251.19	1179.5	Yes
	826.4	Right side	5	24.00	251.19	16	No
	826.4	Top side	5	24.00	251.19	16	No
	826.4	Bottom side	145	24.00	251.19	693	Yes
LTE B5	829	Rear side	5	23.50	223.87	16	No
	829	Left side	233	23.50	223.87	1179.5	Yes
	829	Right side	5	23.50	223.87	16	No
	829	Top side	5	23.50	223.87	16	No
	829	Bottom side	145	23.50	223.87	693	Yes
LTE B7	2535	Rear side	5	22.50	177.83	10	No
	2535	Left side	233	22.50	177.83	1926	Yes
	2535	Right side	5	22.50	177.83	10	No
	2535	Top side	5	22.50	177.83	10	No
	2535	Bottom side	145	22.50	177.83	1046	Yes
LTE B38	2595	Rear side	5	22.50	177.83	10	No
	2595	Left side	233	22.50	177.83	1926	Yes
	2595	Right side	5	22.50	177.83	10	No
	2595	Top side	5	22.50	177.83	10	No
	2595	Bottom side	145	22.50	177.83	1046	Yes
LTE B41	2506	Rear side	5	22.50	177.83	10	No
	2506	Left side	233	22.50	177.83	1926	Yes
	2506	Right side	5	22.50	177.83	10	No
	2506	Top side	5	22.50	177.83	10	No
	2506	Bottom side	145	22.50	177.83	1046	Yes
5G NR Band n5	836.5	Rear side	5	22.00	158.49	16	No
	836.5	Left side	233	22.00	158.49	1179.5	Yes
	836.5	Right side	5	22.00	158.49	16	No
	836.5	Top side	5	22.00	158.49	16	No
	836.5	Bottom side	145	22.00	158.49	693	Yes
5G NR Band n41	2511	Rear side	5	21.00	125.89	10	No
	2511	Left side	5	21.00	125.89	10	No
	2511	Right side	262	21.00	125.89	1496	Yes
	2511	Top side	5	21.00	125.89	10	No
	2511	Bottom side	140	21.00	125.89	996	Yes
5G NR Band n78	3750	Rear side	5	25.00	316.23	8	No
	3750	Left side	5	25.00	316.23	8	No
	3750	Right side	262	25.00	316.23	1479	Yes
	3750	Top side	5	25.00	316.23	8	No
	3750	Bottom side	140	25.00	316.23	979	Yes



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From what is shown in the table above, we can draw the conclusion that:

EUT Sides for SAR Testing							
Mode	Exposure Condition	Front	Back	Left	Right	Top	Bottom
BT	Body	No	No	No	No	No	No
WIFI 2.4G	Body	No	Yes	No	No	Yes	No
WIFI 5.2G	Body	No	Yes	No	No	Yes	No
WIFI 5.8G	Body	No	Yes	No	No	Yes	No

EUT Sides for SAR Testing							
Mode	Exposure Condition	Front	Back	Left	Right	Top	Bottom
WCDMA Band II	Body	No	Yes	No	Yes	Yes	No
WCDMA Band V	Body	No	Yes	No	Yes	Yes	No
LTE Band 5	Body	No	Yes	No	Yes	Yes	No
LTE Band 7	Body	No	Yes	No	Yes	Yes	No
LTE Band 38	Body	No	Yes	No	Yes	Yes	No
LTE Band 41	Body	No	Yes	No	Yes	Yes	No
5G NR Band n5	Body	No	Yes	No	Yes	Yes	No
5G NR Band n41	Body	No	Yes	Yes	No	Yes	No
5G NR Band n78	Body	No	Yes	Yes	No	Yes	No

EUT Sides for SAR Testing.

Note:

According to KDB616217, exposures to hands for typical consumer transmitters used in Tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of Tablet display screens are generally not necessary.



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7.3. SAR Measurement Results

The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{\text{target}} - P_{\text{measured}})/10}$$

$$\text{Scaling factor} = 10^{(P_{\text{target}} - P_{\text{measured}})/10}$$

$$\text{Reported SAR} = \text{Measured SAR} \times \text{Scaling factor}$$

Where

P_{target} is the power of manufacturing upper limit;

P_{measured} is the measured power;

Measured SAR is measured SAR at measured power which including power drift)

Reported SAR which including Power Drift and Scaling factor

7.3.1. SAR Results [WCDMA Band II] ANT1

SAR Values [WCDMA Band II]								
Ch/ Freq. (MHz)	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
							Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)								
9400/1880	RMC	Rear side	23.51	24.00	0.18	1.119	0.659	0.738
9400/1880	RMC	Right side	23.51	24.00	0.05	1.119	0.562	0.629
9400/1880	RMC	Top side	23.51	24.00	0.02	1.119	0.619	0.693

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

● $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.

● $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.

● $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.

3. RMC* - RMC 12.2kbps mode;

4) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode



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**7.3.2. SAR Results [WCDMA Band V] ANT1**

SAR Values [WCDMA Band V]								
Ch/ Freq. (MHz)	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
							Measured	Reported
measured / reported SAR numbers – Body (Test data distance 0mm)								
4132/826.4	RMC	Rear side	23.54	24.00	0.03	1.112	0.534	0.594
4132/826.4	RMC	Right side	23.54	24.00	0.18	1.112	0.327	0.364
4132/826.4	RMC	Top side	23.54	24.00	-0.02	1.112	0.406	0.451

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.
- 3) RMC* - RMC 12.2kbps mode;





7.3.3. SAR Results [LTE Band 5] ANT1

SAR Values [LTE Band 5]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)<1RB>									
20450/829	10M	QPSK 1RB_0	Rear side	23.06	23.50	0.13	1.107	0.598	0.662
20450/829	10M	QPSK 1RB_0	Right side	23.06	23.50	0.03	1.107	0.351	0.388
20450/829	10M	QPSK 1RB_0	Top side	23.06	23.50	-0.12	1.107	0.436	0.482
measured / reported SAR numbers - Body (Test data distance 0mm)<50%RB>									
20450/829	10M	QPSK 25RB_0	Rear side	22.00	22.50	0.09	1.122	0.512	0.574
20450/829	10M	QPSK 25RB_0	Right side	22.00	22.50	-0.11	1.122	0.274	0.307
20450/829	10M	QPSK 25RB_0	Top side	22.00	22.50	-0.06	1.122	0.395	0.443

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.



**7.3.4. SAR Results [LTE Band 7] ANT1**

SAR Values [LTE Band 7]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)<1RB>									
21100/2535	20M	QPSK 1RB_99	Rear side	22.10	22.50	-0.02	1.096	0.679	0.745
21100/2535	20M	QPSK 1RB_99	Right side	22.10	22.50	-0.13	1.096	0.604	0.662
21100/2535	20M	QPSK 1RB_99	Top side	22.10	22.50	-0.17	1.096	0.638	0.700
measured / reported SAR numbers - Body (Test data distance 0mm)<50%RB>									
21100/2535	20M	QPSK 50RB_50	Rear side	21.30	22.00	-0.19	1.175	0.596	0.700
21100/2535	20M	QPSK 50RB_50	Right side	21.30	22.00	-0.07	1.175	0.514	0.604
21100/2535	20M	QPSK 50RB_50	Top side	21.30	22.00	0.14	1.175	0.546	0.641

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.



**7.3.5. SAR Results [LTE Band 38] ANT1**

SAR Values [LTE Band 38]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)<1RB>									
38000/2595	20M	QPSK 1RB_0	Rear side	22.36	22.50	0.08	1.033	0.657	0.679
38000/2595	20M	QPSK 1RB_0	Right side	22.36	22.50	-0.07	1.033	0.596	0.616
38000/2595	20M	QPSK 1RB_0	Top side	22.36	22.50	0.09	1.033	0.621	0.641
measured / reported SAR numbers - Body (Test data distance 0mm)<50%RB>									
38000/2595	20M	QPSK 50RB_0	Rear side	21.17	21.50	0.03	1.079	0.594	0.641
38000/2595	20M	QPSK 50RB_0	Right side	21.17	21.50	-0.12	1.079	0.482	0.520
38000/2595	20M	QPSK 50RB_0	Top side	21.17	21.50	-0.08	1.079	0.537	0.579

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.



**7.3.6. SAR Results [LTE Band 41] ANT1**

SAR Values [LTE Band 41]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)<1RB>									
39750/2506	20M	QPSK 1RB_0	Rear side	22.23	22.50	-0.05	1.064	0.641	0.682
39750/2506	20M	QPSK 1RB_0	Right side	22.23	22.50	-0.20	1.064	0.586	0.624
39750/2506	20M	QPSK 1RB_0	Bottom side	22.23	22.50	-0.12	1.064	0.607	0.646
measured / reported SAR numbers - Body (Test data distance 0mm)<50%RB>									
39750/2506	20M	QPSK 50RB_0	Rear side	21.47	22.00	0.04	1.130	0.589	0.665
39750/2506	20M	QPSK 50RB_0	Right side	21.47	22.00	0.03	1.130	0.491	0.555
39750/2506	20M	QPSK 50RB_0	Bottom side	21.47	22.00	-0.01	1.130	0.533	0.602

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.



**7.3.7. SAR Results [5G NR Band n5] ANT1**

SAR Values [NR Band n5]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)<1RB>									
167300/836.5	20M	OFDM QPSK_1RB	Rear side	21.68	22.00	-0.09	1.076	0.569	0.613
167300/836.5	20M	OFDM QPSK_1RB	Right side	21.68	22.00	0.16	1.076	0.337	0.363
167300/836.5	20M	OFDM QPSK_1RB	Top side	21.68	22.00	-0.11	1.076	0.425	0.457
measured / reported SAR numbers - Body (Test data distance 0mm)<50%RB>									
167300/836.5	20M	OFDM QPSK_50RB	Rear side	21.74	22.00	-0.08	1.062	0.504	0.535
167300/836.5	20M	OFDM QPSK_50RB	Right side	21.74	22.00	-0.06	1.062	0.259	0.275
167300/836.5	20M	OFDM QPSK_50RB	Top side	21.74	22.00	0.05	1.062	0.367	0.390

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.

7.3.8. SAR Results [5G NR Band n41] ANT6

SAR Values [NR Band n41]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)<1RB>									
518598/2592.990	100M	OFDM QPSK_1RB	Rear side	20.40	21.00	-0.15	1.148	0.623	0.715
518598/2592.990	100M	OFDM QPSK_1RB	Left side	20.40	21.00	0.08	1.148	0.568	0.652
518598/2592.990	100M	OFDM QPSK_1RB	Bottom side	20.40	21.00	0.19	1.148	0.591	0.679
measured / reported SAR numbers - Body (Test data distance 0mm)<50%RB>									
509202/2546.010	100M	OFDM QPSK_50RB	Rear side	20.64	21.00	-0.05	1.086	0.576	0.626
509202/2546.010	100M	OFDM QPSK_50RB	Left side	20.64	21.00	0.20	1.086	0.491	0.533
509202/2546.010	100M	OFDM QPSK_50RB	Bottom side	20.64	21.00	-0.14	1.086	0.533	0.579

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.



**7.3.9. SAR Results [5G NR Band n78] ANT6**

SAR Values [NR Band n78]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)<1RB>									
650000/3750	100M	OFDM QPSK_1RB	Rear side	24.46	25.00	-0.10	1.132	0.547	0.619
650000/3750	100M	OFDM QPSK_1RB	Left side	24.46	25.00	0.12	1.132	0.485	0.549
650000/3750	100M	OFDM QPSK_1RB	Bottom side	24.46	25.00	0.01	1.132	0.508	0.575
measured / reported SAR numbers - Body (Test data distance 0mm)<50%RB>									
650000/3750	100M	OFDM QPSK_50RB	Rear side	25.06	25.50	-0.11	1.107	0.493	0.546
650000/3750	100M	OFDM QPSK_50RB	Left side	25.06	25.50	0.02	1.107	0.408	0.452
650000/3750	100M	OFDM QPSK_50RB	Bottom side	25.06	25.50	-0.14	1.107	0.450	0.498

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.





7.3.10.

SAR Results [WIFI 2.4G] ANT7

SAR Values [WIFI 2.4G]									
Ch/ Freq. (MHz)	Channel Type	Test Position	Duty Cycle	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)									
1/2412	802.11b	Rear side	1.008	15.76	16.00	-0.02	1.057	0.643	0.685
1/2412	802.11b	Top side	1.008	15.76	16.00	-0.19	1.057	0.612	0.652

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.
- 3) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.



**7.3.11. SAR Results [WIFI 5.2G] ANT7**

SAR Values [WIFI 5.2G]									
Ch/ Freq. (MHz)	Channel Type	Test Position	Duty Cycle Factor	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)									
40/5200	802.11a	Rear side	1.057	13.04	13.50	-0.01	1.112	0.538	0.632
40/5200	802.11a	Top side	1.057	13.04	13.50	-0.10	1.112	0.509	0.598

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.
- 3) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.





7.3.12. SAR Results [WIFI 5.8G] ANT7

SAR Values [WIFI 5.8G]									
Ch/ Freq. (MHz)	Channel Type	Test Position	Duty Cycle Factor	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR _{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers - Body (Test data distance 0mm)									
149/5745	802.11a	Rear side	1.058	13.19	13.50	0.05	1.074	0.526	0.597
149/5745	802.11a	Top side	1.058	13.19	13.50	0.01	1.074	0.497	0.564

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.
- 3) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.





7.4. Multiple Transmitter Evaluation

7.4.1. Simultaneous SAR test evaluation

Simultaneous Transmission Possibilities

NO.	Simultaneous Tx Combination	Body	Hotspot
1	UMTS ANT1 + BT ANT7	Yes	Yes
2	UMTS ANT1 + WiFi 2.4G ANT7	Yes	Yes
3	UMTS ANT1 + WiFi 5G ANT7	Yes	Yes
4	LTE ANT1+ BT ANT7	Yes	Yes
5	LTE ANT1+ WiFi 2.4G ANT7	Yes	Yes
6	LTE ANT1+ WiFi 5G ANT7	Yes	Yes
7	NR ANT1 + BT ANT7	Yes	Yes
8	NR ANT1 + WiFi 2.4G ANT7	Yes	Yes
9	NR ANT1 + WiFi 5G ANT7	Yes	Yes
10	NR ANT6 + BT ANT7	Yes	Yes
11	NR ANT6 + WiFi 2.4G ANT7	Yes	Yes
12	NR ANT6 + WiFi 5G ANT7	Yes	Yes

Note:

- 1) Wi-Fi and Bluetooth share the same Tx antenna and can't transmit simultaneously.
- 2) The device does not support DTM function.
- 3) ANT1 and ANT6 can't transmit simultaneously.





7.4.2. Estimated SAR

When the standalone SAR test exclusion is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to determine simultaneous transmission SAR test exclusion:

- $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})} / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$;

Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.

When the minimum test separation distance is $< 5 \text{ mm}$, a distance of 5 mm is applied to determine SAR test exclusion.

Estimated SAR Result

Freq. Band	Frequency (GHz)	Test Position	max. power (dBm)	max. power (mw)	Test Separation (mm)	Estimated
						1g SAR (W/kg)
Bluetooth	2.44	Body	1.5	1.41	5	0.141



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Scan code to check authenticity



7.4.3. Simultaneous Transmission SAR Summation Scenario

Test position		Main Antenna SAR _{max} (W/kg)									WiFi Antenna SAR _{max} (W/kg)				Summed 1g SAR _{max} (W/kg)
		WCDMA Band II	WCDMA Band V	LTE Band 5	LTE Band 7	LTE Band 38	LTE Band 41	5G NR Band n5	5G NR Band n41	5G NR Band n78	WLAN 2.4G	WLAN 5.2G	WLAN 5.8G	BT	
Body	Back side	0.738	0.594	0.662	0.745	0.679	0.682	0.613	0.715	0.619	0.685	0.632	0.597	0.141	1.430
	Left	/	/	/	/	/	/	/	0.652	0.549	/	/	/	/	0.652
	Right side	0.629	0.364	0.388	0.662	0.616	0.624	0.363	/	/	/	/	/	/	0.662
	Top side	0.693	0.451	0.482	0.700	0.641	0.646	0.457	0.679	0.575	0.652	0.598	0.564	0.141	1.352





Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

.....The End of Test Report.....

