FCC RF Test Report

APPLICANT	:	**FairPhone B.V.**
EQUIPMENT	:	**Fairphone (Gen.6)**
BRAND NAME	:	**Fairphone**
MODEL NAME	:	**FP6**
FCC ID	:	**2AUWUFP6**
STANDARD	:	**47 CFR Part 96**
CLASSIFICATION	:	**Citizens Band End User Devices (CBE)**
EQUIPMENT TYPE	:	**End User Equipment**
TEST DATE(S)	:	**May 09, 2025 ~ Jun. 26, 2025**

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia

ACCREDITED Cert #5145.02

Sporton International Inc. (Kunshan)
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People's Republic of China

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History of this test report

Report No.	Version	Description	Issued Date
FG521107-01I	01	Initial issue of report	Jul. 25, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
-	§96.41	Peak-to-Average Ratio	Not Applicable	Not applicable for End User Devices
3.3	§96.41	Maximum E.I.R.P	Pass	-
		Maximum Power Spectral Density	Not Applicable	Not applicable for End User Devices
3.4	§2.1049 §96.41	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §96.41	Conducted Band Edge Measurement Adjacent Channel Leakage Ratio	Pass	-
3.6	§2.1051 §96.41	Conducted Spurious Emission	Pass	
3.7	§2.1055	Frequency Stability for Temperature & Voltage	Pass	-
4.4	§2.1051 §96.41	Radiated Spurious Emission	Pass	Under limit 11.86 dB at 10728.00 MHz

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Applicant

FairPhone B.V.

Van Diemenstraat 200, 1013 CP,Amsterdam, The Netherlands

1.2 Manufacturer

FairPhone B.V.

Van Diemenstraat 200, 1013 CP,Amsterdam, The Netherlands

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Fairphone (Gen.6)
Brand Name	Fairphone
Model Name	FP6
FCC ID	2AUWUFP6
Tx/Rx Frequency	5G NR n77/n78: 3550 MHz ~ 3700 MHz
SCS	30kHz
Bandwidth	n77/78: 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
Antenna Gain	**<Ant. 2>** 5G NR n77: 0.4 dBi 5G NR n78: 0.4 dBi **<Ant. 3>** 5G NR n77: -0.8 dBi 5G NR n78: -0.8 dBi **<Ant. 4>** 5G NR n77: -0.5 dBi 5G NR n78: -0.5 dBi **<Ant. 8>** 5G NR n77: -0.5 dBi 5G NR n78: -0.5 dBi
Type of Modulation	DFT-s-OFDM (PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM) CP-OFDM (QPSK / 16QAM / 64QAM / 256QAM)
IMEI Code	Conducted: 355870094594675/355870094594667 Radiation: 355870094596159
HW Version	DVT2
SW Version	FP6.DEV.15.66.0
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. The maximum EIRP is calculated from max output power and max antenna gain, only the maximum EIRP of 5G NR n77/n78 for Ant. 2 is shown in the report.
3. For 5G NR n77/n78, only the test data of Ant.2 are showed in the report according to the maximum conducted power for conducted test items.
4. 5G NR n77/n78 support SA and NSA mode. The whole testing has assessed SA mode for n77 by referring to the higher conducted power for conducted test items.
5. All the supported EN-DC combinations are verified conducted power, only the EN-DC combination with highest power are shown in the report.
6. The EN-DC mode combination could be referred to the product spec.

1.4 Maximum EIRP Power and Emission Designator

5G NR n77 SA for SCS 30kHz		PI/2 BPSK / QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3555.00 ~ 3694.98	0.0308	8M58G7D	0.0311	8M59W7D
15	3557.52 ~ 3692.49	0.0323	13M6G7D	0.0325	13M6W7D
20	3560.01 ~ 3690.00	0.0324	18M1G7D	0.0324	18M2W7D
25	3562.50 ~ 3687.50	0.0323	23M1G7D	0.0326	23M3W7D
30	3565.02 ~ 3684.99	0.0313	27M8G7D	0.0317	27M9W7D
40	3570.00 ~ 3679.98	0.0326	37M8G7D	0.0328	37M9W7D
50	3575.01 ~ 3675.00	0.0254	47M3G7D	0.0251	47M4W7D
60	3580.02 ~ 3669.99	0.0321	57M9G7D	0.0320	57M8W7D
70	3585.00 ~ 3664.98	0.0310	67M6G7D	0.0305	67M5W7D
80	3590.01 ~ 3660.00	0.0310	77M5G7D	0.0307	77M7W7D
90	3595.02 ~ 3654.99	0.0307	87M5G7D	0.0312	87M6W7D
100	3600.00 ~ 3649.98	0.0316	97M5G7D	0.0315	97M7W7D
5G NR n78 SA for SCS 30kHz		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3555.00 ~ 3694.98	0.0323	8M58G7D	0.0324	8M59W7D
15	3557.52 ~ 3692.49	0.0327	13M6G7D	0.0327	13M6W7D
20	3560.01 ~ 3690.00	0.0327	18M1G7D	0.0327	18M2W7D
25	3562.50 ~ 3687.50	0.0325	23M1G7D	0.0327	23M3W7D
30	3565.02 ~ 3684.99	0.0326	27M8G7D	0.0327	27M9W7D
40	3570.00 ~ 3679.98	0.0327	37M8G7D	0.0326	37M9W7D
50	3575.01 ~ 3675.00	0.0250	47M3G7D	0.0252	47M4W7D
60	3580.02 ~ 3669.99	0.0318	57M9G7D	0.0313	57M8W7D
70	3585.00 ~ 3664.98	0.0310	67M6G7D	0.0314	67M5W7D
80	3590.01 ~ 3660.00	0.0308	77M5G7D	0.0305	77M7W7D
90	3595.02 ~ 3654.99	0.0304	87M5G7D	0.0308	87M6W7D
100	3600.00 ~ 3649.98	0.0313	97M5G7D	0.0316	97M7W7D

Note:

1. 5G NR n77 overlaps the entire frequency range of 5G NR n78. Therefore, the test results provided in this report covers 5G NR n77 as well as 5G NR n78.
2. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.5 Testing Site

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-KS 03CH04-KS	CN1257	314309

1.6 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	SPORTON	FCC LTE_Ver2.0 Auto_china_210503	2.0
2.	03CH04-KS	AUDIX	E3	210616

1.7 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ANSI C63.26-2015
- 47 CFR Part 96
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 940660 D01 Part 96 CBRS v03
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

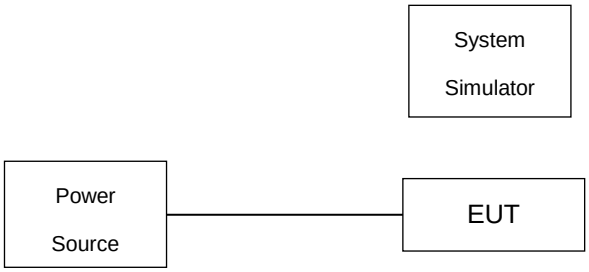
2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

Test Items	5G NR	Bandwidth (MHz)												Modulation					RB #		Test Channel		
		10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Adjacent Channel Leakage Ratio	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v				v	v	v	v	v
26dB and 99% Bandwidth	n77	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v		v		v	
Conducted Band Edge	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v				v	v	v	v	v
Conducted Spurious Emission	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v				v		v	v	v
Frequency Stability	n77			v											v					v		v	
E.I.R.P	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n77	Worst Case																				v	
	n78	Worst Case																				v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Based on engineering evaluation, only the worst modulations test results are shown in the report. 5. Frequency Stability：Normal Voltage = 3.91V ；Low Voltage =3.50V.；High Voltage =4.50V																						

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	Fcc DoC	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
4.	Adapter	Fairphone B.V	N/A	N/A	N/A	N/A
5.	USB Cable	Fairphone B.V	N/A	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 6.5 dB and 20dB attenuator.

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 6.5 + 20 = 26.5 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77/n78 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	640000	641666	643332
	Frequency	3600	3624.99	3649.98
90	Channel	639668	641666	643666
	Frequency	3595.02	3624.99	3654.99
80	Channel	639334	641666	644000
	Frequency	3590.01	3624.99	3660
70	Channel	639000	641666	644332
	Frequency	3585.00	3624.99	3664.98
60	Channel	638668	641666	644666
	Frequency	3580.02	3624.99	3669.99
50	Channel	638334	641666	645000
	Frequency	3575.01	3624.99	3675
40	Channel	638000	641666	645332
	Frequency	3570	3624.99	3679.98
30	Channel	637668	641666	645666
	Frequency	3565.02	3624.99	3684.99
25	Channel	637500	641666	645832
	Frequency	3562.5	3624.99	3687.48
20	Channel	637334	641666	646000
	Frequency	3560.01	3624.99	3690
15	Channel	637168	641666	646166
	Frequency	3557.52	3624.99	3692.49
10	Channel	637000	641666	646332
	Frequency	3555	3624.99	3694.98

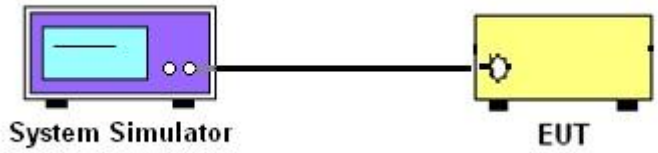
3 Conducted Test Items

3.1 Measuring Instruments

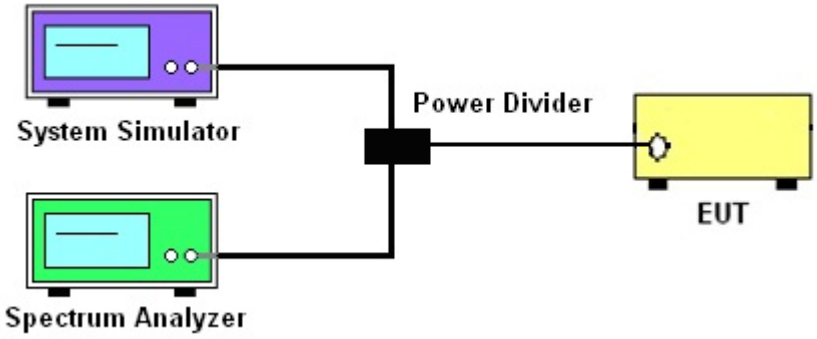
See list of measuring instruments of this test report.

3.1.1 Test Setup

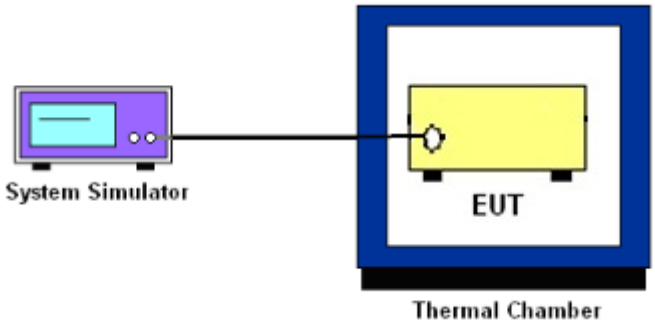
3.1.2 Conducted Output Power / ACLR



3.1.3 EIRP, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Description of the Conducted Output Power Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

3.2.2 Test Procedures

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

3.3 EIRP

3.3.1 Description of the EIRP Measurement

EIRP limits for CBRS equipment as below table:

Device		Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
Applied	**End User Device**	23	n/a
☐	**Category A CBSD**	30	20
☐	**Category B CBSD**	47	37

Remark:

1. The worst case EIRP shown in this section is found with NR operating only using 1RB. As such, the EIRP/10MHz and full channel EIRP values will be identical since 1RB is fully contained within all available channel bandwidths for n48 (i.e. 5, 10, 15, 20MHz)

3.3.2 Test Procedures for EIRP

1. Establishing a communications link with the call box (Base station) to measure the Maximum conducted power, the parameters were set to force the EUT transmitting at maximum output power level. Use the average power measurement function to measure total channel power of each channel bandwidth (per ANSI C63.26-2015 Section 5.2.1)

2. Determining ERP and/or EIRP from conducted RF output power measurements (Per ANSI C63.26-2015 Section 5.2.5.5)

   $EIRP = P_T + G_T – L_C$, $ERP = EIRP - 2.15$, where

   P_T = transmitter output power in dBm

   G_T = gain of the transmitting antenna in dBi

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

3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

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

3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

Part 96.41 (e) (1) (ii)

For End User Devices the emission limits outside the fundamental are as follows:

Within 0 MHz to B MHz above and below the assigned channel ≤ −13 dBm/MHz

Greater than B MHz above and below the assigned channel ≤ −25 dBm/MHz

where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device.

Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

Part 96.41 (e) (2)

For CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed −25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used
5. Offset has included the duty factor for Band n77. Duty factor =10 log (1/x), where x is the measured duty cycle.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

96.41 (e)(2)

The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Offset has included the duty factor for Band n77. Duty factor =10 log (1/x), where x is the measured duty cycle.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is −40dBm/MHz.

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

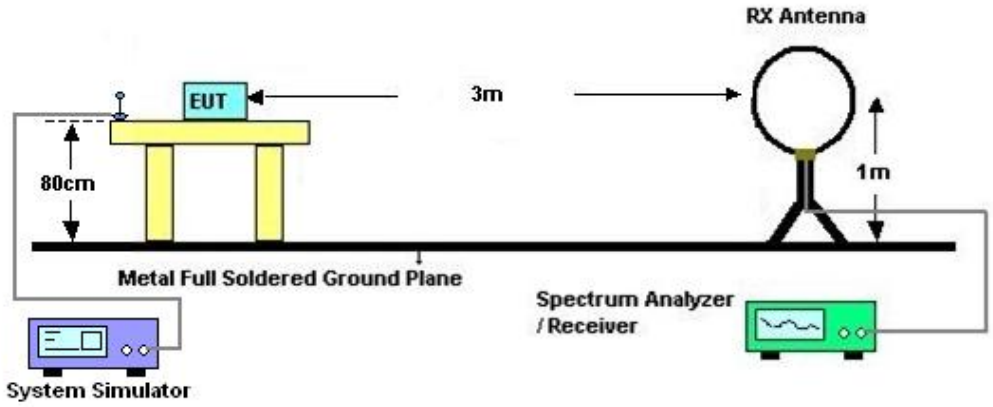
4 Radiated Test Items

4.1 Measuring Instruments

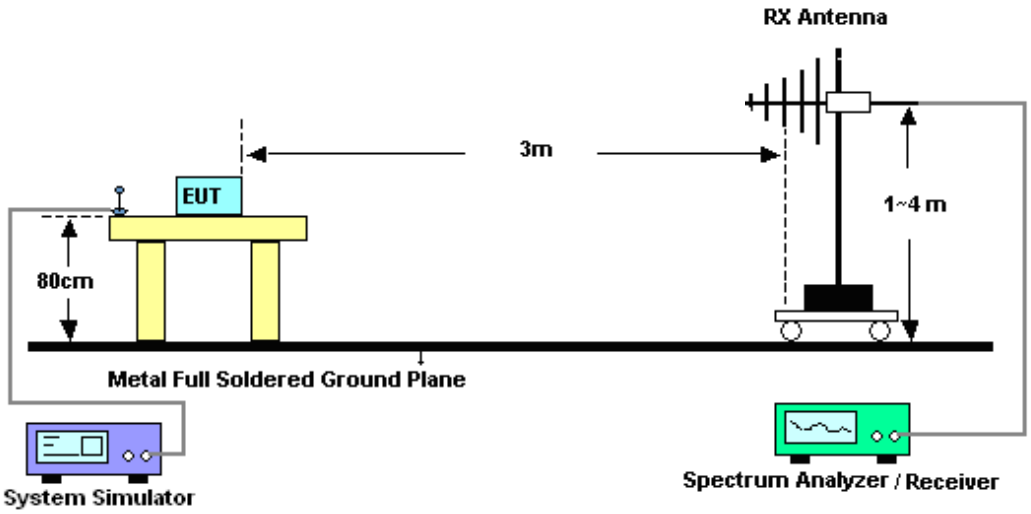
See list of measuring instruments of this test report.

4.2 Test Setup

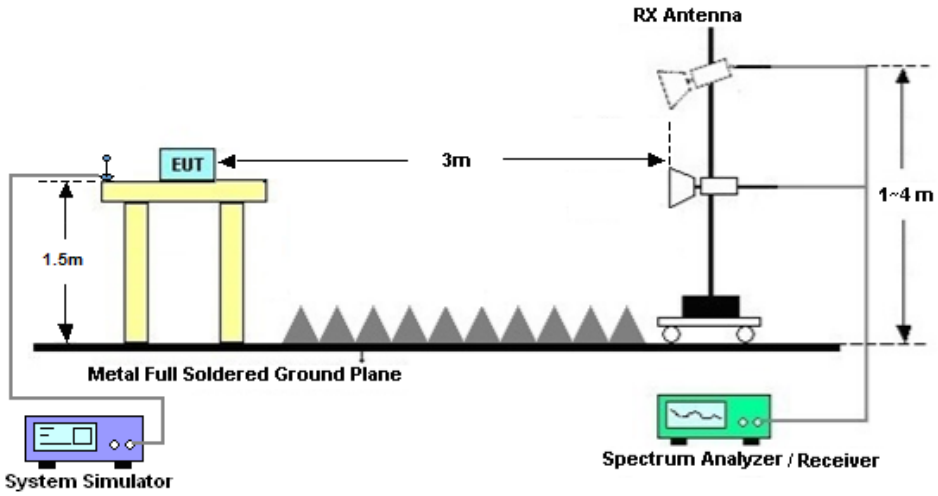
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -40dBm / MHz.

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

4.4.2 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
   Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
   EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
   ERP (dBm) = EIRP - 2.15
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
   The limit line is −40dBm/MHz

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	May 09, 2025~ Jun. 26, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	May 09, 2025~ Jun. 26, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	May 09, 2025~ Jun. 26, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Dec. 03, 2024	May 29, 2025	Dec. 02, 2025	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	May 29, 2025	Sep. 07, 2025	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Nov. 23, 2024	May 29, 2025	Nov. 22, 2025	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 16, 2024	May 29, 2025	Aug. 15, 2025	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101116	18GHz~40GHz	Oct. 22, 2024	May 29, 2025	Oct. 21, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 03, 2024	May 29, 2025	Jul. 02, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM18G40GA	060852	18~40GHz	Jan. 03, 2025	May 29, 2025	Jan. 02, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz-18Ghz	Oct. 09, 2024	May 29, 2025	Oct. 08, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM01G18GA	060892	1Ghz-18Ghz	Oct. 09, 2024	May 29, 2025	Oct. 08, 2025	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	May 29, 2025	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	May 29, 2025	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	May 29, 2025	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Peak to Average Ratio	±0.50 dB
Frequency Stability	±0.04 ppm

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.48 dB

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.53 dB

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.02 dB

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Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	**Temperature :**	22~23℃
		Relative Humidity :	40~42%

Software Version: 23.06.1602

FR1 N77

Transmitter Conducted Output Power and EIRP, (GT - LC)=0.4 dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	12@6	14.18	14.58	0.0287
77	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	1@1	14.17	14.57	0.0286
77	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	1@22	14.1	14.50	0.0282
77	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	24@0	14.23	14.63	0.0290
77	30	10	637000	3555	DFT-s-OFDM QPSK	12@6	14.19	14.59	0.0288
77	30	10	637000	3555	DFT-s-OFDM QPSK	1@1	14.1	14.50	0.0282
77	30	10	637000	3555	DFT-s-OFDM QPSK	1@22	14.08	14.48	0.0281
77	30	10	637000	3555	DFT-s-OFDM QPSK	24@0	14.23	14.63	0.0290
77	30	10	637000	3555	DFT-s-OFDM 16 QAM	12@6	14.22	14.62	0.0290
77	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@1	14.21	14.61	0.0289
77	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@22	14.17	14.57	0.0286
77	30	10	637000	3555	DFT-s-OFDM 16 QAM	24@0	14.34	14.74	0.0298
77	30	10	637000	3555	DFT-s-OFDM 64 QAM	12@6	14.06	14.46	0.0279
77	30	10	637000	3555	DFT-s-OFDM 64 QAM	1@1	14.06	14.46	0.0279
77	30	10	637000	3555	DFT-s-OFDM 64 QAM	1@22	13.97	14.37	0.0274
77	30	10	637000	3555	DFT-s-OFDM 64 QAM	24@0	14.26	14.66	0.0292
77	30	10	637000	3555	DFT-s-OFDM 256 QAM	12@6	14.12	14.52	0.0283
77	30	10	637000	3555	DFT-s-OFDM 256 QAM	1@1	14	14.40	0.0275
77	30	10	637000	3555	DFT-s-OFDM 256 QAM	1@22	13.95	14.35	0.0272
77	30	10	637000	3555	DFT-s-OFDM 256 QAM	24@0	14.22	14.62	0.0290
77	30	10	637000	3555	CP-OFDM QPSK	12@6	14.23	14.63	0.0290
77	30	10	637000	3555	CP-OFDM QPSK	1@1	14.14	14.54	0.0284
77	30	10	637000	3555	CP-OFDM QPSK	1@22	14.07	14.47	0.0280
77	30	10	637000	3555	CP-OFDM QPSK	24@0	14.29	14.69	0.0294
77	30	10	637000	3555	CP-OFDM 16 QAM	12@6	14.25	14.65	0.0292
77	30	10	637000	3555	CP-OFDM 16 QAM	1@1	14.05	14.45	0.0279
77	30	10	637000	3555	CP-OFDM 16 QAM	1@22	14	14.40	0.0275
77	30	10	637000	3555	CP-OFDM 16 QAM	24@0	14.29	14.69	0.0294
77	30	10	637000	3555	CP-OFDM 64 QAM	12@6	14.11	14.51	0.0282
77	30	10	637000	3555	CP-OFDM 64 QAM	1@1	14.04	14.44	0.0278
77	30	10	637000	3555	CP-OFDM 64 QAM	1@22	13.97	14.37	0.0274
77	30	10	637000	3555	CP-OFDM 64 QAM	24@0	14.21	14.61	0.0289
77	30	10	637000	3555	CP-OFDM 256 QAM	12@6	14.11	14.51	0.0282
77	30	10	637000	3555	CP-OFDM 256 QAM	1@1	14.1	14.50	0.0282
77	30	10	637000	3555	CP-OFDM 256 QAM	1@22	14.05	14.45	0.0279
77	30	10	637000	3555	CP-OFDM 256 QAM	24@0	14.23	14.63	0.0290
77	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	12@6	14.02	14.42	0.0277

77	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.05	14.45	0.0279
77	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@22	13.91	14.31	0.0270
77	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	24@0	14.1	14.50	0.0282
77	30	10	641666	3624.99	DFT-s-OFDM QPSK	12@6	14	14.40	0.0275
77	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.04	14.44	0.0278
77	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@22	13.9	14.30	0.0269
77	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	14.08	14.48	0.0281
77	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	12@6	14.11	14.51	0.0282
77	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.01	14.41	0.0276
77	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@22	13.88	14.28	0.0268
77	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	24@0	14.16	14.56	0.0286
77	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	12@6	13.96	14.36	0.0273
77	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	13.78	14.18	0.0262
77	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	1@22	13.69	14.09	0.0256
77	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	24@0	14.11	14.51	0.0282
77	30	10	641666	3624.99	DFT-s-OFDM 256 QAM	12@6	13.99	14.39	0.0275
77	30	10	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	13.93	14.33	0.0271
77	30	10	641666	3624.99	DFT-s-OFDM 256 QAM	1@22	13.82	14.22	0.0264
77	30	10	641666	3624.99	DFT-s-OFDM 256 QAM	24@0	14.03	14.43	0.0277
77	30	10	641666	3624.99	CP-OFDM QPSK	12@6	14.09	14.49	0.0281
77	30	10	641666	3624.99	CP-OFDM QPSK	1@1	14.04	14.44	0.0278
77	30	10	641666	3624.99	CP-OFDM QPSK	1@22	13.89	14.29	0.0269
77	30	10	641666	3624.99	CP-OFDM QPSK	24@0	14.11	14.51	0.0282
77	30	10	641666	3624.99	CP-OFDM 16 QAM	12@6	14.14	14.54	0.0284
77	30	10	641666	3624.99	CP-OFDM 16 QAM	1@1	13.98	14.38	0.0274
77	30	10	641666	3624.99	CP-OFDM 16 QAM	1@22	13.84	14.24	0.0265
77	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	14.14	14.54	0.0284
77	30	10	641666	3624.99	CP-OFDM 64 QAM	12@6	13.95	14.35	0.0272
77	30	10	641666	3624.99	CP-OFDM 64 QAM	1@1	13.92	14.32	0.0270
77	30	10	641666	3624.99	CP-OFDM 64 QAM	1@22	13.78	14.18	0.0262
77	30	10	641666	3624.99	CP-OFDM 64 QAM	24@0	14.05	14.45	0.0279
77	30	10	641666	3624.99	CP-OFDM 256 QAM	12@6	13.97	14.37	0.0274
77	30	10	641666	3624.99	CP-OFDM 256 QAM	1@1	14	14.40	0.0275
77	30	10	641666	3624.99	CP-OFDM 256 QAM	1@22	13.9	14.30	0.0269
77	30	10	641666	3624.99	CP-OFDM 256 QAM	24@0	14.06	14.46	0.0279
77	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	12@6	14.39	14.79	0.0301
77	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@1	14.37	14.77	0.0300
77	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@22	14.37	14.77	0.0300
77	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	24@0	14.41	14.81	0.0303
77	30	10	646332	3694.98	DFT-s-OFDM QPSK	12@6	14.41	14.81	0.0303
77	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@1	14.35	14.75	0.0299
77	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@22	14.3	14.70	0.0295
77	30	10	646332	3694.98	DFT-s-OFDM QPSK	24@0	14.46	14.86	0.0306
77	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	12@6	14.48	14.88	0.0308
77	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@1	14.41	14.81	0.0303

77	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@22	14.42	14.82	0.0303
77	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	24@0	14.49	14.89	0.0308
77	30	10	646332	3694.98	DFT-s-OFDM 64 QAM	12@6	14.35	14.75	0.0299
77	30	10	646332	3694.98	DFT-s-OFDM 64 QAM	1@1	14.3	14.70	0.0295
77	30	10	646332	3694.98	DFT-s-OFDM 64 QAM	1@22	14.3	14.70	0.0295
77	30	10	646332	3694.98	DFT-s-OFDM 64 QAM	24@0	14.49	14.89	0.0308
77	30	10	646332	3694.98	DFT-s-OFDM 256 QAM	12@6	14.4	14.80	0.0302
77	30	10	646332	3694.98	DFT-s-OFDM 256 QAM	1@1	14.25	14.65	0.0292
77	30	10	646332	3694.98	DFT-s-OFDM 256 QAM	1@22	14.24	14.64	0.0291
77	30	10	646332	3694.98	DFT-s-OFDM 256 QAM	24@0	14.43	14.83	0.0304
77	30	10	646332	3694.98	CP-OFDM QPSK	12@6	14.48	14.88	0.0308
77	30	10	646332	3694.98	CP-OFDM QPSK	1@1	14.35	14.75	0.0299
77	30	10	646332	3694.98	CP-OFDM QPSK	1@22	14.32	14.72	0.0296
77	30	10	646332	3694.98	CP-OFDM QPSK	24@0	14.48	14.88	0.0308
77	30	10	646332	3694.98	CP-OFDM 16 QAM	12@6	14.53	14.93	0.0311
77	30	10	646332	3694.98	CP-OFDM 16 QAM	1@1	14.31	14.71	0.0296
77	30	10	646332	3694.98	CP-OFDM 16 QAM	1@22	14.23	14.63	0.0290
77	30	10	646332	3694.98	CP-OFDM 16 QAM	24@0	14.51	14.91	0.0310
77	30	10	646332	3694.98	CP-OFDM 64 QAM	12@6	14.34	14.74	0.0298
77	30	10	646332	3694.98	CP-OFDM 64 QAM	1@1	14.3	14.70	0.0295
77	30	10	646332	3694.98	CP-OFDM 64 QAM	1@22	14.23	14.63	0.0290
77	30	10	646332	3694.98	CP-OFDM 64 QAM	24@0	14.48	14.88	0.0308
77	30	10	646332	3694.98	CP-OFDM 256 QAM	12@6	14.33	14.73	0.0297
77	30	10	646332	3694.98	CP-OFDM 256 QAM	1@1	14.32	14.72	0.0296
77	30	10	646332	3694.98	CP-OFDM 256 QAM	1@22	14.27	14.67	0.0293
77	30	10	646332	3694.98	CP-OFDM 256 QAM	24@0	14.45	14.85	0.0305
77	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	18@9	14.26	14.66	0.0292
77	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	1@1	14.34	14.74	0.0298
77	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	1@36	14.22	14.62	0.0290
77	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	36@0	14.33	14.73	0.0297
77	30	15	637168	3557.52	DFT-s-OFDM QPSK	18@9	14.29	14.69	0.0294
77	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@1	14.33	14.73	0.0297
77	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@36	14.24	14.64	0.0291
77	30	15	637168	3557.52	DFT-s-OFDM QPSK	36@0	14.34	14.74	0.0298
77	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	18@9	14.29	14.69	0.0294
77	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@1	14.37	14.77	0.0300
77	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@36	14.28	14.68	0.0294
77	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	36@0	14.36	14.76	0.0299
77	30	15	637168	3557.52	DFT-s-OFDM 64 QAM	18@9	14.3	14.70	0.0295
77	30	15	637168	3557.52	DFT-s-OFDM 64 QAM	1@1	14.33	14.73	0.0297
77	30	15	637168	3557.52	DFT-s-OFDM 64 QAM	1@36	14.1	14.50	0.0282
77	30	15	637168	3557.52	DFT-s-OFDM 64 QAM	36@0	14.32	14.72	0.0296
77	30	15	637168	3557.52	DFT-s-OFDM 256 QAM	18@9	14.28	14.68	0.0294
77	30	15	637168	3557.52	DFT-s-OFDM 256 QAM	1@1	14.26	14.66	0.0292
77	30	15	637168	3557.52	DFT-s-OFDM 256 QAM	1@36	14.19	14.59	0.0288

77	30	15	637168	3557.52	DFT-s-OFDM 256 QAM	36@0	14.28	14.68	0.0294
77	30	15	637168	3557.52	CP-OFDM QPSK	19@9	14.29	14.69	0.0294
77	30	15	637168	3557.52	CP-OFDM QPSK	1@1	14.38	14.78	0.0301
77	30	15	637168	3557.52	CP-OFDM QPSK	1@36	14.26	14.66	0.0292
77	30	15	637168	3557.52	CP-OFDM QPSK	38@0	14.32	14.72	0.0296
77	30	15	637168	3557.52	CP-OFDM 16 QAM	19@9	14.25	14.65	0.0292
77	30	15	637168	3557.52	CP-OFDM 16 QAM	1@1	14.33	14.73	0.0297
77	30	15	637168	3557.52	CP-OFDM 16 QAM	1@36	14.23	14.63	0.0290
77	30	15	637168	3557.52	CP-OFDM 16 QAM	38@0	14.35	14.75	0.0299
77	30	15	637168	3557.52	CP-OFDM 64 QAM	19@9	14.24	14.64	0.0291
77	30	15	637168	3557.52	CP-OFDM 64 QAM	1@1	14.16	14.56	0.0286
77	30	15	637168	3557.52	CP-OFDM 64 QAM	1@36	14.12	14.52	0.0283
77	30	15	637168	3557.52	CP-OFDM 64 QAM	38@0	14.28	14.68	0.0294
77	30	15	637168	3557.52	CP-OFDM 256 QAM	19@9	14.26	14.66	0.0292
77	30	15	637168	3557.52	CP-OFDM 256 QAM	1@1	14.29	14.69	0.0294
77	30	15	637168	3557.52	CP-OFDM 256 QAM	1@36	14.21	14.61	0.0289
77	30	15	637168	3557.52	CP-OFDM 256 QAM	38@0	14.33	14.73	0.0297
77	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	18@9	14.13	14.53	0.0284
77	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.28	14.68	0.0294
77	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@36	14.07	14.47	0.0280
77	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	36@0	14.17	14.57	0.0286
77	30	15	641666	3624.99	DFT-s-OFDM QPSK	18@9	14.17	14.57	0.0286
77	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.23	14.63	0.0290
77	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@36	14.05	14.45	0.0279
77	30	15	641666	3624.99	DFT-s-OFDM QPSK	36@0	14.19	14.59	0.0288
77	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	18@9	14.15	14.55	0.0285
77	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.32	14.72	0.0296
77	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@36	14.07	14.47	0.0280
77	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	36@0	14.27	14.67	0.0293
77	30	15	641666	3624.99	DFT-s-OFDM 64 QAM	18@9	14.17	14.57	0.0286
77	30	15	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.13	14.53	0.0284
77	30	15	641666	3624.99	DFT-s-OFDM 64 QAM	1@36	13.91	14.31	0.0270
77	30	15	641666	3624.99	DFT-s-OFDM 64 QAM	36@0	14.19	14.59	0.0288
77	30	15	641666	3624.99	DFT-s-OFDM 256 QAM	18@9	14.08	14.48	0.0281
77	30	15	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.19	14.59	0.0288
77	30	15	641666	3624.99	DFT-s-OFDM 256 QAM	1@36	13.97	14.37	0.0274
77	30	15	641666	3624.99	DFT-s-OFDM 256 QAM	36@0	14.17	14.57	0.0286
77	30	15	641666	3624.99	CP-OFDM QPSK	19@9	14.15	14.55	0.0285
77	30	15	641666	3624.99	CP-OFDM QPSK	1@1	14.28	14.68	0.0294
77	30	15	641666	3624.99	CP-OFDM QPSK	1@36	14.07	14.47	0.0280
77	30	15	641666	3624.99	CP-OFDM QPSK	38@0	14.19	14.59	0.0288
77	30	15	641666	3624.99	CP-OFDM 16 QAM	19@9	14.1	14.50	0.0282
77	30	15	641666	3624.99	CP-OFDM 16 QAM	1@1	14.25	14.65	0.0292
77	30	15	641666	3624.99	CP-OFDM 16 QAM	1@36	14.06	14.46	0.0279
77	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	14.2	14.60	0.0288

77	30	15	641666	3624.99	CP-OFDM 64 QAM	19@9	14.08	14.48	0.0281
77	30	15	641666	3624.99	CP-OFDM 64 QAM	1@1	14.08	14.48	0.0281
77	30	15	641666	3624.99	CP-OFDM 64 QAM	1@36	13.91	14.31	0.0270
77	30	15	641666	3624.99	CP-OFDM 64 QAM	38@0	14.13	14.53	0.0284
77	30	15	641666	3624.99	CP-OFDM 256 QAM	19@9	14.15	14.55	0.0285
77	30	15	641666	3624.99	CP-OFDM 256 QAM	1@1	14.24	14.64	0.0291
77	30	15	641666	3624.99	CP-OFDM 256 QAM	1@36	14.04	14.44	0.0278
77	30	15	641666	3624.99	CP-OFDM 256 QAM	38@0	14.17	14.57	0.0286
77	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	18@9	14.6	15.00	0.0316
77	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	1@1	14.62	15.02	0.0318
77	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	1@36	14.6	15.00	0.0316
77	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	36@0	14.68	15.08	0.0322
77	30	15	646166	3692.49	DFT-s-OFDM QPSK	18@9	14.61	15.01	0.0317
77	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@1	14.62	15.02	0.0318
77	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@36	14.55	14.95	0.0313
77	30	15	646166	3692.49	DFT-s-OFDM QPSK	36@0	14.69	15.09	0.0323
77	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	18@9	14.61	15.01	0.0317
77	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@1	14.6	15.00	0.0316
77	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@36	14.62	15.02	0.0318
77	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	36@0	14.72	15.12	0.0325
77	30	15	646166	3692.49	DFT-s-OFDM 64 QAM	18@9	14.6	15.00	0.0316
77	30	15	646166	3692.49	DFT-s-OFDM 64 QAM	1@1	14.42	14.82	0.0303
77	30	15	646166	3692.49	DFT-s-OFDM 64 QAM	1@36	14.45	14.85	0.0305
77	30	15	646166	3692.49	DFT-s-OFDM 64 QAM	36@0	14.72	15.12	0.0325
77	30	15	646166	3692.49	DFT-s-OFDM 256 QAM	18@9	14.63	15.03	0.0318
77	30	15	646166	3692.49	DFT-s-OFDM 256 QAM	1@1	14.57	14.97	0.0314
77	30	15	646166	3692.49	DFT-s-OFDM 256 QAM	1@36	14.55	14.95	0.0313
77	30	15	646166	3692.49	DFT-s-OFDM 256 QAM	36@0	14.66	15.06	0.0321
77	30	15	646166	3692.49	CP-OFDM QPSK	19@9	14.67	15.07	0.0321
77	30	15	646166	3692.49	CP-OFDM QPSK	1@1	14.61	15.01	0.0317
77	30	15	646166	3692.49	CP-OFDM QPSK	1@36	14.62	15.02	0.0318
77	30	15	646166	3692.49	CP-OFDM QPSK	38@0	14.66	15.06	0.0321
77	30	15	646166	3692.49	CP-OFDM 16 QAM	19@9	14.61	15.01	0.0317
77	30	15	646166	3692.49	CP-OFDM 16 QAM	1@1	14.66	15.06	0.0321
77	30	15	646166	3692.49	CP-OFDM 16 QAM	1@36	14.63	15.03	0.0318
77	30	15	646166	3692.49	CP-OFDM 16 QAM	38@0	14.71	15.11	0.0324
77	30	15	646166	3692.49	CP-OFDM 64 QAM	19@9	14.64	15.04	0.0319
77	30	15	646166	3692.49	CP-OFDM 64 QAM	1@1	14.54	14.94	0.0312
77	30	15	646166	3692.49	CP-OFDM 64 QAM	1@36	14.56	14.96	0.0313
77	30	15	646166	3692.49	CP-OFDM 64 QAM	38@0	14.65	15.05	0.0320
77	30	15	646166	3692.49	CP-OFDM 256 QAM	19@9	14.66	15.06	0.0321
77	30	15	646166	3692.49	CP-OFDM 256 QAM	1@1	14.62	15.02	0.0318
77	30	15	646166	3692.49	CP-OFDM 256 QAM	1@36	14.62	15.02	0.0318
77	30	15	646166	3692.49	CP-OFDM 256 QAM	38@0	14.68	15.08	0.0322
77	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	25@12	14.33	14.73	0.0297

77	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@1	14.4	14.80	0.0302
77	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@49	14.27	14.67	0.0293
77	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	50@0	14.36	14.76	0.0299
77	30	20	637334	3560.01	DFT-s-OFDM QPSK	25@12	14.27	14.67	0.0293
77	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	14.35	14.75	0.0299
77	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@49	14.24	14.64	0.0291
77	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	14.36	14.76	0.0299
77	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	25@12	14.31	14.71	0.0296
77	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	14.41	14.81	0.0303
77	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@49	14.3	14.70	0.0295
77	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	50@0	14.4	14.80	0.0302
77	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	25@12	14.3	14.70	0.0295
77	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	1@1	14.29	14.69	0.0294
77	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	1@49	13.96	14.36	0.0273
77	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	50@0	14.39	14.79	0.0301
77	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	25@12	14.23	14.63	0.0290
77	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	1@1	14.25	14.65	0.0292
77	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	1@49	14.11	14.51	0.0282
77	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	50@0	14.36	14.76	0.0299
77	30	20	637334	3560.01	CP-OFDM QPSK	25@12	14.27	14.67	0.0293
77	30	20	637334	3560.01	CP-OFDM QPSK	1@1	14.33	14.73	0.0297
77	30	20	637334	3560.01	CP-OFDM QPSK	1@49	14.22	14.62	0.0290
77	30	20	637334	3560.01	CP-OFDM QPSK	51@0	14.36	14.76	0.0299
77	30	20	637334	3560.01	CP-OFDM 16 QAM	25@12	14.28	14.68	0.0294
77	30	20	637334	3560.01	CP-OFDM 16 QAM	1@1	14.3	14.70	0.0295
77	30	20	637334	3560.01	CP-OFDM 16 QAM	1@49	14.17	14.57	0.0286
77	30	20	637334	3560.01	CP-OFDM 16 QAM	51@0	14.33	14.73	0.0297
77	30	20	637334	3560.01	CP-OFDM 64 QAM	25@12	14.28	14.68	0.0294
77	30	20	637334	3560.01	CP-OFDM 64 QAM	1@1	14.29	14.69	0.0294
77	30	20	637334	3560.01	CP-OFDM 64 QAM	1@49	14.14	14.54	0.0284
77	30	20	637334	3560.01	CP-OFDM 64 QAM	51@0	14.34	14.74	0.0298
77	30	20	637334	3560.01	CP-OFDM 256 QAM	25@12	14.27	14.67	0.0293
77	30	20	637334	3560.01	CP-OFDM 256 QAM	1@1	14.31	14.71	0.0296
77	30	20	637334	3560.01	CP-OFDM 256 QAM	1@49	14.22	14.62	0.0290
77	30	20	637334	3560.01	CP-OFDM 256 QAM	51@0	14.33	14.73	0.0297
77	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	25@12	14.14	14.54	0.0284
77	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.34	14.74	0.0298
77	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@49	14.05	14.45	0.0279
77	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@0	14.21	14.61	0.0289
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	25@12	14.14	14.54	0.0284
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.31	14.71	0.0296
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@49	14	14.40	0.0275
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	14.23	14.63	0.0290
77	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	25@12	14.19	14.59	0.0288
77	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.35	14.75	0.0299

77	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@49	14.09	14.49	0.0281
77	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	50@0	14.25	14.65	0.0292
77	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	25@12	14.19	14.59	0.0288
77	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.26	14.66	0.0292
77	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	1@49	13.93	14.33	0.0271
77	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	50@0	14.26	14.66	0.0292
77	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	25@12	14.14	14.54	0.0284
77	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.21	14.61	0.0289
77	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	1@49	13.9	14.30	0.0269
77	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	50@0	14.22	14.62	0.0290
77	30	20	641666	3624.99	CP-OFDM QPSK	25@12	14.17	14.57	0.0286
77	30	20	641666	3624.99	CP-OFDM QPSK	1@1	14.31	14.71	0.0296
77	30	20	641666	3624.99	CP-OFDM QPSK	1@49	14.02	14.42	0.0277
77	30	20	641666	3624.99	CP-OFDM QPSK	51@0	14.24	14.64	0.0291
77	30	20	641666	3624.99	CP-OFDM 16 QAM	25@12	14.2	14.60	0.0288
77	30	20	641666	3624.99	CP-OFDM 16 QAM	1@1	14.2	14.60	0.0288
77	30	20	641666	3624.99	CP-OFDM 16 QAM	1@49	14.01	14.41	0.0276
77	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	14.21	14.61	0.0289
77	30	20	641666	3624.99	CP-OFDM 64 QAM	25@12	14.16	14.56	0.0286
77	30	20	641666	3624.99	CP-OFDM 64 QAM	1@1	14.29	14.69	0.0294
77	30	20	641666	3624.99	CP-OFDM 64 QAM	1@49	13.97	14.37	0.0274
77	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	14.22	14.62	0.0290
77	30	20	641666	3624.99	CP-OFDM 256 QAM	25@12	14.15	14.55	0.0285
77	30	20	641666	3624.99	CP-OFDM 256 QAM	1@1	14.31	14.71	0.0296
77	30	20	641666	3624.99	CP-OFDM 256 QAM	1@49	13.98	14.38	0.0274
77	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	14.23	14.63	0.0290
77	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	25@12	14.65	15.05	0.0320
77	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	1@1	14.6	15.00	0.0316
77	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	1@49	14.62	15.02	0.0318
77	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	50@0	14.67	15.07	0.0321
77	30	20	646000	3690	DFT-s-OFDM QPSK	25@12	14.64	15.04	0.0319
77	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	14.61	15.01	0.0317
77	30	20	646000	3690	DFT-s-OFDM QPSK	1@49	14.59	14.99	0.0316
77	30	20	646000	3690	DFT-s-OFDM QPSK	50@0	14.7	15.10	0.0324
77	30	20	646000	3690	DFT-s-OFDM 16 QAM	25@12	14.67	15.07	0.0321
77	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	14.56	14.96	0.0313
77	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@49	14.62	15.02	0.0318
77	30	20	646000	3690	DFT-s-OFDM 16 QAM	50@0	14.7	15.10	0.0324
77	30	20	646000	3690	DFT-s-OFDM 64 QAM	25@12	14.66	15.06	0.0321
77	30	20	646000	3690	DFT-s-OFDM 64 QAM	1@1	14.39	14.79	0.0301
77	30	20	646000	3690	DFT-s-OFDM 64 QAM	1@49	14.39	14.79	0.0301
77	30	20	646000	3690	DFT-s-OFDM 64 QAM	50@0	14.7	15.10	0.0324
77	30	20	646000	3690	DFT-s-OFDM 256 QAM	25@12	14.59	14.99	0.0316
77	30	20	646000	3690	DFT-s-OFDM 256 QAM	1@1	14.53	14.93	0.0311
77	30	20	646000	3690	DFT-s-OFDM 256 QAM	1@49	14.56	14.96	0.0313

77	30	20	646000	3690	DFT-s-OFDM 256 QAM	50@0	14.66	15.06	0.0321
77	30	20	646000	3690	CP-OFDM QPSK	25@12	14.66	15.06	0.0321
77	30	20	646000	3690	CP-OFDM QPSK	1@1	14.58	14.98	0.0315
77	30	20	646000	3690	CP-OFDM QPSK	1@49	14.58	14.98	0.0315
77	30	20	646000	3690	CP-OFDM QPSK	51@0	14.64	15.04	0.0319
77	30	20	646000	3690	CP-OFDM 16 QAM	25@12	14.7	15.10	0.0324
77	30	20	646000	3690	CP-OFDM 16 QAM	1@1	14.51	14.91	0.0310
77	30	20	646000	3690	CP-OFDM 16 QAM	1@49	14.62	15.02	0.0318
77	30	20	646000	3690	CP-OFDM 16 QAM	51@0	14.67	15.07	0.0321
77	30	20	646000	3690	CP-OFDM 64 QAM	25@12	14.71	15.11	0.0324
77	30	20	646000	3690	CP-OFDM 64 QAM	1@1	14.55	14.95	0.0313
77	30	20	646000	3690	CP-OFDM 64 QAM	1@49	14.51	14.91	0.0310
77	30	20	646000	3690	CP-OFDM 64 QAM	51@0	14.69	15.09	0.0323
77	30	20	646000	3690	CP-OFDM 256 QAM	25@12	14.64	15.04	0.0319
77	30	20	646000	3690	CP-OFDM 256 QAM	1@1	14.53	14.93	0.0311
77	30	20	646000	3690	CP-OFDM 256 QAM	1@49	14.57	14.97	0.0314
77	30	20	646000	3690	CP-OFDM 256 QAM	51@0	14.7	15.10	0.0324
77	30	25	647500	3562.5	DFT-s-OFDM PI/2 BPSK	32@16	14.33	14.73	0.0297
77	30	25	647500	3562.5	DFT-s-OFDM PI/2 BPSK	1@1	14.46	14.86	0.0306
77	30	25	647500	3562.5	DFT-s-OFDM PI/2 BPSK	1@63	14.27	14.67	0.0293
77	30	25	647500	3562.5	DFT-s-OFDM PI/2 BPSK	64@0	14.36	14.76	0.0299
77	30	25	647500	3562.5	DFT-s-OFDM QPSK	32@16	14.31	14.71	0.0296
77	30	25	647500	3562.5	DFT-s-OFDM QPSK	1@1	14.43	14.83	0.0304
77	30	25	647500	3562.5	DFT-s-OFDM QPSK	1@63	14.28	14.68	0.0294
77	30	25	647500	3562.5	DFT-s-OFDM QPSK	64@0	14.34	14.74	0.0298
77	30	25	647500	3562.5	DFT-s-OFDM 16 QAM	32@16	14.35	14.75	0.0299
77	30	25	647500	3562.5	DFT-s-OFDM 16 QAM	1@1	14.37	14.77	0.0300
77	30	25	647500	3562.5	DFT-s-OFDM 16 QAM	1@63	14.27	14.67	0.0293
77	30	25	647500	3562.5	DFT-s-OFDM 16 QAM	64@0	14.39	14.79	0.0301
77	30	25	647500	3562.5	DFT-s-OFDM 64 QAM	32@16	14.37	14.77	0.0300
77	30	25	647500	3562.5	DFT-s-OFDM 64 QAM	1@1	14.18	14.58	0.0287
77	30	25	647500	3562.5	DFT-s-OFDM 64 QAM	1@63	14.05	14.45	0.0279
77	30	25	647500	3562.5	DFT-s-OFDM 64 QAM	64@0	14.33	14.73	0.0297
77	30	25	647500	3562.5	DFT-s-OFDM 256 QAM	32@16	14.25	14.65	0.0292
77	30	25	647500	3562.5	DFT-s-OFDM 256 QAM	1@1	14.32	14.72	0.0296
77	30	25	647500	3562.5	DFT-s-OFDM 256 QAM	1@63	14.17	14.57	0.0286
77	30	25	647500	3562.5	DFT-s-OFDM 256 QAM	64@0	14.35	14.75	0.0299
77	30	25	647500	3562.5	CP-OFDM QPSK	33@16	14.32	14.72	0.0296
77	30	25	647500	3562.5	CP-OFDM QPSK	1@1	14.37	14.77	0.0300
77	30	25	647500	3562.5	CP-OFDM QPSK	1@63	14.26	14.66	0.0292
77	30	25	647500	3562.5	CP-OFDM QPSK	65@0	14.36	14.76	0.0299
77	30	25	647500	3562.5	CP-OFDM 16 QAM	33@16	14.27	14.67	0.0293
77	30	25	647500	3562.5	CP-OFDM 16 QAM	1@1	14.33	14.73	0.0297
77	30	25	647500	3562.5	CP-OFDM 16 QAM	1@63	14.2	14.60	0.0288
77	30	25	647500	3562.5	CP-OFDM 16 QAM	65@0	14.33	14.73	0.0297

77	30	25	647500	3562.5	CP-OFDM 64 QAM	33@16	14.33	14.73	0.0297
77	30	25	647500	3562.5	CP-OFDM 64 QAM	1@1	14.31	14.71	0.0296
77	30	25	647500	3562.5	CP-OFDM 64 QAM	1@63	14.19	14.59	0.0288
77	30	25	647500	3562.5	CP-OFDM 64 QAM	65@0	14.39	14.79	0.0301
77	30	25	647500	3562.5	CP-OFDM 256 QAM	33@16	14.35	14.75	0.0299
77	30	25	647500	3562.5	CP-OFDM 256 QAM	1@1	14.38	14.78	0.0301
77	30	25	647500	3562.5	CP-OFDM 256 QAM	1@63	14.28	14.68	0.0294
77	30	25	647500	3562.5	CP-OFDM 256 QAM	65@0	14.36	14.76	0.0299
77	30	25	641666	3624.99	DFT-s-OFDM PI/2 BPSK	32@16	14.17	14.57	0.0286
77	30	25	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.44	14.84	0.0305
77	30	25	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@63	14.08	14.48	0.0281
77	30	25	641666	3624.99	DFT-s-OFDM PI/2 BPSK	64@0	14.22	14.62	0.0290
77	30	25	641666	3624.99	DFT-s-OFDM QPSK	32@16	14.19	14.59	0.0288
77	30	25	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.39	14.79	0.0301
77	30	25	641666	3624.99	DFT-s-OFDM QPSK	1@63	14.02	14.42	0.0277
77	30	25	641666	3624.99	DFT-s-OFDM QPSK	64@0	14.22	14.62	0.0290
77	30	25	641666	3624.99	DFT-s-OFDM 16 QAM	32@16	14.23	14.63	0.0290
77	30	25	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.48	14.88	0.0308
77	30	25	641666	3624.99	DFT-s-OFDM 16 QAM	1@63	14.15	14.55	0.0285
77	30	25	641666	3624.99	DFT-s-OFDM 16 QAM	64@0	14.24	14.64	0.0291
77	30	25	641666	3624.99	DFT-s-OFDM 64 QAM	32@16	14.21	14.61	0.0289
77	30	25	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.32	14.72	0.0296
77	30	25	641666	3624.99	DFT-s-OFDM 64 QAM	1@63	13.96	14.36	0.0273
77	30	25	641666	3624.99	DFT-s-OFDM 64 QAM	64@0	14.21	14.61	0.0289
77	30	25	641666	3624.99	DFT-s-OFDM 256 QAM	32@16	14.2	14.60	0.0288
77	30	25	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.35	14.75	0.0299
77	30	25	641666	3624.99	DFT-s-OFDM 256 QAM	1@63	13.9	14.30	0.0269
77	30	25	641666	3624.99	DFT-s-OFDM 256 QAM	64@0	14.21	14.61	0.0289
77	30	25	641666	3624.99	CP-OFDM QPSK	33@16	14.23	14.63	0.0290
77	30	25	641666	3624.99	CP-OFDM QPSK	1@1	14.4	14.80	0.0302
77	30	25	641666	3624.99	CP-OFDM QPSK	1@63	14.06	14.46	0.0279
77	30	25	641666	3624.99	CP-OFDM QPSK	65@0	14.25	14.65	0.0292
77	30	25	641666	3624.99	CP-OFDM 16 QAM	33@16	14.14	14.54	0.0284
77	30	25	641666	3624.99	CP-OFDM 16 QAM	1@1	14.32	14.72	0.0296
77	30	25	641666	3624.99	CP-OFDM 16 QAM	1@63	13.99	14.39	0.0275
77	30	25	641666	3624.99	CP-OFDM 16 QAM	65@0	14.23	14.63	0.0290
77	30	25	641666	3624.99	CP-OFDM 64 QAM	33@16	14.19	14.59	0.0288
77	30	25	641666	3624.99	CP-OFDM 64 QAM	1@1	14.35	14.75	0.0299
77	30	25	641666	3624.99	CP-OFDM 64 QAM	1@63	14.04	14.44	0.0278
77	30	25	641666	3624.99	CP-OFDM 64 QAM	65@0	14.23	14.63	0.0290
77	30	25	641666	3624.99	CP-OFDM 256 QAM	33@16	14.2	14.60	0.0288
77	30	25	641666	3624.99	CP-OFDM 256 QAM	1@1	14.4	14.80	0.0302
77	30	25	641666	3624.99	CP-OFDM 256 QAM	1@63	14.02	14.42	0.0277
77	30	25	641666	3624.99	CP-OFDM 256 QAM	65@0	14.25	14.65	0.0292
77	30	25	645832	3687.48	DFT-s-OFDM PI/2 BPSK	32@16	14.62	15.02	0.0318

77	30	25	645832	3687.48	DFT-s-OFDM PI/2 BPSK	1@1	14.6	15.00	0.0316
77	30	25	645832	3687.48	DFT-s-OFDM PI/2 BPSK	1@63	14.62	15.02	0.0318
77	30	25	645832	3687.48	DFT-s-OFDM PI/2 BPSK	64@0	14.69	15.09	0.0323
77	30	25	645832	3687.48	DFT-s-OFDM QPSK	32@16	14.64	15.04	0.0319
77	30	25	645832	3687.48	DFT-s-OFDM QPSK	1@1	14.6	15.00	0.0316
77	30	25	645832	3687.48	DFT-s-OFDM QPSK	1@63	14.63	15.03	0.0318
77	30	25	645832	3687.48	DFT-s-OFDM QPSK	64@0	14.66	15.06	0.0321
77	30	25	645832	3687.48	DFT-s-OFDM 16 QAM	32@16	14.67	15.07	0.0321
77	30	25	645832	3687.48	DFT-s-OFDM 16 QAM	1@1	14.66	15.06	0.0321
77	30	25	645832	3687.48	DFT-s-OFDM 16 QAM	1@63	14.69	15.09	0.0323
77	30	25	645832	3687.48	DFT-s-OFDM 16 QAM	64@0	14.71	15.11	0.0324
77	30	25	645832	3687.48	DFT-s-OFDM 64 QAM	32@16	14.73	15.13	0.0326
77	30	25	645832	3687.48	DFT-s-OFDM 64 QAM	1@1	14.45	14.85	0.0305
77	30	25	645832	3687.48	DFT-s-OFDM 64 QAM	1@63	14.52	14.92	0.0310
77	30	25	645832	3687.48	DFT-s-OFDM 64 QAM	64@0	14.68	15.08	0.0322
77	30	25	645832	3687.48	DFT-s-OFDM 256 QAM	32@16	14.64	15.04	0.0319
77	30	25	645832	3687.48	DFT-s-OFDM 256 QAM	1@1	14.52	14.92	0.0310
77	30	25	645832	3687.48	DFT-s-OFDM 256 QAM	1@63	14.55	14.95	0.0313
77	30	25	645832	3687.48	DFT-s-OFDM 256 QAM	64@0	14.64	15.04	0.0319
77	30	25	645832	3687.48	CP-OFDM QPSK	33@16	14.69	15.09	0.0323
77	30	25	645832	3687.48	CP-OFDM QPSK	1@1	14.62	15.02	0.0318
77	30	25	645832	3687.48	CP-OFDM QPSK	1@63	14.61	15.01	0.0317
77	30	25	645832	3687.48	CP-OFDM QPSK	65@0	14.64	15.04	0.0319
77	30	25	645832	3687.48	CP-OFDM 16 QAM	33@16	14.62	15.02	0.0318
77	30	25	645832	3687.48	CP-OFDM 16 QAM	1@1	14.67	15.07	0.0321
77	30	25	645832	3687.48	CP-OFDM 16 QAM	1@63	14.66	15.06	0.0321
77	30	25	645832	3687.48	CP-OFDM 16 QAM	65@0	14.66	15.06	0.0321
77	30	25	645832	3687.48	CP-OFDM 64 QAM	33@16	14.72	15.12	0.0325
77	30	25	645832	3687.48	CP-OFDM 64 QAM	1@1	14.49	14.89	0.0308
77	30	25	645832	3687.48	CP-OFDM 64 QAM	1@63	14.53	14.93	0.0311
77	30	25	645832	3687.48	CP-OFDM 64 QAM	65@0	14.69	15.09	0.0323
77	30	25	645832	3687.48	CP-OFDM 256 QAM	33@16	14.7	15.10	0.0324
77	30	25	645832	3687.48	CP-OFDM 256 QAM	1@1	14.57	14.97	0.0314
77	30	25	645832	3687.48	CP-OFDM 256 QAM	1@63	14.62	15.02	0.0318
77	30	25	645832	3687.48	CP-OFDM 256 QAM	65@0	14.67	15.07	0.0321
77	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	36@18	14.24	14.64	0.0291
77	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	1@1	14.37	14.77	0.0300
77	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	1@76	14.28	14.68	0.0294
77	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	75@0	14.36	14.76	0.0299
77	30	30	637668	3565.02	DFT-s-OFDM QPSK	36@18	14.23	14.63	0.0290
77	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@1	14.35	14.75	0.0299
77	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@76	14.26	14.66	0.0292
77	30	30	637668	3565.02	DFT-s-OFDM QPSK	75@0	14.39	14.79	0.0301
77	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	36@18	14.32	14.72	0.0296
77	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@1	14.46	14.86	0.0306

77	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@76	14.32	14.72	0.0296
77	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	75@0	14.4	14.80	0.0302
77	30	30	637668	3565.02	DFT-s-OFDM 64 QAM	36@18	14.25	14.65	0.0292
77	30	30	637668	3565.02	DFT-s-OFDM 64 QAM	1@1	14.3	14.70	0.0295
77	30	30	637668	3565.02	DFT-s-OFDM 64 QAM	1@76	14.19	14.59	0.0288
77	30	30	637668	3565.02	DFT-s-OFDM 64 QAM	75@0	14.44	14.84	0.0305
77	30	30	637668	3565.02	DFT-s-OFDM 256 QAM	36@18	14.22	14.62	0.0290
77	30	30	637668	3565.02	DFT-s-OFDM 256 QAM	1@1	14.29	14.69	0.0294
77	30	30	637668	3565.02	DFT-s-OFDM 256 QAM	1@76	14.16	14.56	0.0286
77	30	30	637668	3565.02	DFT-s-OFDM 256 QAM	75@0	14.36	14.76	0.0299
77	30	30	637668	3565.02	CP-OFDM QPSK	39@19	14.28	14.68	0.0294
77	30	30	637668	3565.02	CP-OFDM QPSK	1@1	14.4	14.80	0.0302
77	30	30	637668	3565.02	CP-OFDM QPSK	1@76	14.29	14.69	0.0294
77	30	30	637668	3565.02	CP-OFDM QPSK	78@0	14.4	14.80	0.0302
77	30	30	637668	3565.02	CP-OFDM 16 QAM	39@19	14.3	14.70	0.0295
77	30	30	637668	3565.02	CP-OFDM 16 QAM	1@1	14.33	14.73	0.0297
77	30	30	637668	3565.02	CP-OFDM 16 QAM	1@76	14.24	14.64	0.0291
77	30	30	637668	3565.02	CP-OFDM 16 QAM	78@0	14.39	14.79	0.0301
77	30	30	637668	3565.02	CP-OFDM 64 QAM	39@19	14.26	14.66	0.0292
77	30	30	637668	3565.02	CP-OFDM 64 QAM	1@1	14.26	14.66	0.0292
77	30	30	637668	3565.02	CP-OFDM 64 QAM	1@76	14.2	14.60	0.0288
77	30	30	637668	3565.02	CP-OFDM 64 QAM	78@0	14.38	14.78	0.0301
77	30	30	637668	3565.02	CP-OFDM 256 QAM	39@19	14.26	14.66	0.0292
77	30	30	637668	3565.02	CP-OFDM 256 QAM	1@1	14.34	14.74	0.0298
77	30	30	637668	3565.02	CP-OFDM 256 QAM	1@76	14.3	14.70	0.0295
77	30	30	637668	3565.02	CP-OFDM 256 QAM	78@0	14.43	14.83	0.0304
77	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	36@18	14.23	14.63	0.0290
77	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.49	14.89	0.0308
77	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@76	14.14	14.54	0.0284
77	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	75@0	14.34	14.74	0.0298
77	30	30	641666	3624.99	DFT-s-OFDM QPSK	36@18	14.2	14.60	0.0288
77	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.43	14.83	0.0304
77	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@76	14.06	14.46	0.0279
77	30	30	641666	3624.99	DFT-s-OFDM QPSK	75@0	14.29	14.69	0.0294
77	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	36@18	14.26	14.66	0.0292
77	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.49	14.89	0.0308
77	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@76	14.11	14.51	0.0282
77	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	75@0	14.33	14.73	0.0297
77	30	30	641666	3624.99	DFT-s-OFDM 64 QAM	36@18	14.2	14.60	0.0288
77	30	30	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.38	14.78	0.0301
77	30	30	641666	3624.99	DFT-s-OFDM 64 QAM	1@76	13.98	14.38	0.0274
77	30	30	641666	3624.99	DFT-s-OFDM 64 QAM	75@0	14.3	14.70	0.0295
77	30	30	641666	3624.99	DFT-s-OFDM 256 QAM	36@18	14.15	14.55	0.0285
77	30	30	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.33	14.73	0.0297
77	30	30	641666	3624.99	DFT-s-OFDM 256 QAM	1@76	13.96	14.36	0.0273

77	30	30	641666	3624.99	DFT-s-OFDM 256 QAM	75@0	14.21	14.61	0.0289
77	30	30	641666	3624.99	CP-OFDM QPSK	39@19	14.22	14.62	0.0290
77	30	30	641666	3624.99	CP-OFDM QPSK	1@1	14.38	14.78	0.0301
77	30	30	641666	3624.99	CP-OFDM QPSK	1@76	14.09	14.49	0.0281
77	30	30	641666	3624.99	CP-OFDM QPSK	78@0	14.23	14.63	0.0290
77	30	30	641666	3624.99	CP-OFDM 16 QAM	39@19	14.19	14.59	0.0288
77	30	30	641666	3624.99	CP-OFDM 16 QAM	1@1	14.32	14.72	0.0296
77	30	30	641666	3624.99	CP-OFDM 16 QAM	1@76	14.05	14.45	0.0279
77	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	14.26	14.66	0.0292
77	30	30	641666	3624.99	CP-OFDM 64 QAM	39@19	14.18	14.58	0.0287
77	30	30	641666	3624.99	CP-OFDM 64 QAM	1@1	14.3	14.70	0.0295
77	30	30	641666	3624.99	CP-OFDM 64 QAM	1@76	13.99	14.39	0.0275
77	30	30	641666	3624.99	CP-OFDM 64 QAM	78@0	14.24	14.64	0.0291
77	30	30	641666	3624.99	CP-OFDM 256 QAM	39@19	14.19	14.59	0.0288
77	30	30	641666	3624.99	CP-OFDM 256 QAM	1@1	14.4	14.80	0.0302
77	30	30	641666	3624.99	CP-OFDM 256 QAM	1@76	14.05	14.45	0.0279
77	30	30	641666	3624.99	CP-OFDM 256 QAM	78@0	14.31	14.71	0.0296
77	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	36@18	14.52	14.92	0.0310
77	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	1@1	14.56	14.96	0.0313
77	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	1@76	14.5	14.90	0.0309
77	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	75@0	14.53	14.93	0.0311
77	30	30	645666	3684.99	DFT-s-OFDM QPSK	36@18	14.52	14.92	0.0310
77	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@1	14.53	14.93	0.0311
77	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@76	14.49	14.89	0.0308
77	30	30	645666	3684.99	DFT-s-OFDM QPSK	75@0	14.53	14.93	0.0311
77	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	36@18	14.58	14.98	0.0315
77	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@1	14.59	14.99	0.0316
77	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@76	14.56	14.96	0.0313
77	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	75@0	14.55	14.95	0.0313
77	30	30	645666	3684.99	DFT-s-OFDM 64 QAM	36@18	14.52	14.92	0.0310
77	30	30	645666	3684.99	DFT-s-OFDM 64 QAM	1@1	14.47	14.87	0.0307
77	30	30	645666	3684.99	DFT-s-OFDM 64 QAM	1@76	14.48	14.88	0.0308
77	30	30	645666	3684.99	DFT-s-OFDM 64 QAM	75@0	14.58	14.98	0.0315
77	30	30	645666	3684.99	DFT-s-OFDM 256 QAM	36@18	14.51	14.91	0.0310
77	30	30	645666	3684.99	DFT-s-OFDM 256 QAM	1@1	14.47	14.87	0.0307
77	30	30	645666	3684.99	DFT-s-OFDM 256 QAM	1@76	14.4	14.80	0.0302
77	30	30	645666	3684.99	DFT-s-OFDM 256 QAM	75@0	14.52	14.92	0.0310
77	30	30	645666	3684.99	CP-OFDM QPSK	39@19	14.52	14.92	0.0310
77	30	30	645666	3684.99	CP-OFDM QPSK	1@1	14.52	14.92	0.0310
77	30	30	645666	3684.99	CP-OFDM QPSK	1@76	14.52	14.92	0.0310
77	30	30	645666	3684.99	CP-OFDM QPSK	78@0	14.54	14.94	0.0312
77	30	30	645666	3684.99	CP-OFDM 16 QAM	39@19	14.49	14.89	0.0308
77	30	30	645666	3684.99	CP-OFDM 16 QAM	1@1	14.46	14.86	0.0306
77	30	30	645666	3684.99	CP-OFDM 16 QAM	1@76	14.44	14.84	0.0305
77	30	30	645666	3684.99	CP-OFDM 16 QAM	78@0	14.52	14.92	0.0310

77	30	30	645666	3684.99	CP-OFDM 64 QAM	39@19	14.53	14.93	0.0311
77	30	30	645666	3684.99	CP-OFDM 64 QAM	1@1	14.47	14.87	0.0307
77	30	30	645666	3684.99	CP-OFDM 64 QAM	1@76	14.44	14.84	0.0305
77	30	30	645666	3684.99	CP-OFDM 64 QAM	78@0	14.51	14.91	0.0310
77	30	30	645666	3684.99	CP-OFDM 256 QAM	39@19	14.52	14.92	0.0310
77	30	30	645666	3684.99	CP-OFDM 256 QAM	1@1	14.49	14.89	0.0308
77	30	30	645666	3684.99	CP-OFDM 256 QAM	1@76	14.48	14.88	0.0308
77	30	30	645666	3684.99	CP-OFDM 256 QAM	78@0	14.61	15.01	0.0317
77	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	50@25	14.32	14.72	0.0296
77	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@1	14.61	15.01	0.0317
77	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@104	14.43	14.83	0.0304
77	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	100@0	14.45	14.85	0.0305
77	30	40	638000	3570	DFT-s-OFDM QPSK	50@25	14.33	14.73	0.0297
77	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	14.6	15.00	0.0316
77	30	40	638000	3570	DFT-s-OFDM QPSK	1@104	14.43	14.83	0.0304
77	30	40	638000	3570	DFT-s-OFDM QPSK	100@0	14.48	14.88	0.0308
77	30	40	638000	3570	DFT-s-OFDM 16 QAM	50@25	14.37	14.77	0.0300
77	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	14.66	15.06	0.0321
77	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@104	14.48	14.88	0.0308
77	30	40	638000	3570	DFT-s-OFDM 16 QAM	100@0	14.47	14.87	0.0307
77	30	40	638000	3570	DFT-s-OFDM 64 QAM	50@25	14.37	14.77	0.0300
77	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@1	14.55	14.95	0.0313
77	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@104	14.26	14.66	0.0292
77	30	40	638000	3570	DFT-s-OFDM 64 QAM	100@0	14.46	14.86	0.0306
77	30	40	638000	3570	DFT-s-OFDM 256 QAM	50@25	14.31	14.71	0.0296
77	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@1	14.53	14.93	0.0311
77	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@104	14.35	14.75	0.0299
77	30	40	638000	3570	DFT-s-OFDM 256 QAM	100@0	14.43	14.83	0.0304
77	30	40	638000	3570	CP-OFDM QPSK	53@26	14.36	14.76	0.0299
77	30	40	638000	3570	CP-OFDM QPSK	1@1	14.58	14.98	0.0315
77	30	40	638000	3570	CP-OFDM QPSK	1@104	14.46	14.86	0.0306
77	30	40	638000	3570	CP-OFDM QPSK	106@0	14.45	14.85	0.0305
77	30	40	638000	3570	CP-OFDM 16 QAM	53@26	14.39	14.79	0.0301
77	30	40	638000	3570	CP-OFDM 16 QAM	1@1	14.54	14.94	0.0312
77	30	40	638000	3570	CP-OFDM 16 QAM	1@104	14.46	14.86	0.0306
77	30	40	638000	3570	CP-OFDM 16 QAM	106@0	14.45	14.85	0.0305
77	30	40	638000	3570	CP-OFDM 64 QAM	53@26	14.39	14.79	0.0301
77	30	40	638000	3570	CP-OFDM 64 QAM	1@1	14.52	14.92	0.0310
77	30	40	638000	3570	CP-OFDM 64 QAM	1@104	14.35	14.75	0.0299
77	30	40	638000	3570	CP-OFDM 64 QAM	106@0	14.45	14.85	0.0305
77	30	40	638000	3570	CP-OFDM 256 QAM	53@26	14.34	14.74	0.0298
77	30	40	638000	3570	CP-OFDM 256 QAM	1@1	14.54	14.94	0.0312
77	30	40	638000	3570	CP-OFDM 256 QAM	1@104	14.41	14.81	0.0303
77	30	40	638000	3570	CP-OFDM 256 QAM	106@0	14.46	14.86	0.0306
77	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@25	14.25	14.65	0.0292

77	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.73	15.13	0.0326
77	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@104	14.18	14.58	0.0287
77	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	100@0	14.33	14.73	0.0297
77	30	40	641666	3624.99	DFT-s-OFDM QPSK	50@25	14.24	14.64	0.0291
77	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.7	15.10	0.0324
77	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@104	14.15	14.55	0.0285
77	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	14.36	14.76	0.0299
77	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	50@25	14.29	14.69	0.0294
77	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.76	15.16	0.0328
77	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@104	14.22	14.62	0.0290
77	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	100@0	14.37	14.77	0.0300
77	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	50@25	14.29	14.69	0.0294
77	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.65	15.05	0.0320
77	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@104	14.13	14.53	0.0284
77	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	100@0	14.38	14.78	0.0301
77	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	50@25	14.25	14.65	0.0292
77	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.61	15.01	0.0317
77	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@104	14.08	14.48	0.0281
77	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	100@0	14.33	14.73	0.0297
77	30	40	641666	3624.99	CP-OFDM QPSK	53@26	14.25	14.65	0.0292
77	30	40	641666	3624.99	CP-OFDM QPSK	1@1	14.71	15.11	0.0324
77	30	40	641666	3624.99	CP-OFDM QPSK	1@104	14.17	14.57	0.0286
77	30	40	641666	3624.99	CP-OFDM QPSK	106@0	14.34	14.74	0.0298
77	30	40	641666	3624.99	CP-OFDM 16 QAM	53@26	14.32	14.72	0.0296
77	30	40	641666	3624.99	CP-OFDM 16 QAM	1@1	14.66	15.06	0.0321
77	30	40	641666	3624.99	CP-OFDM 16 QAM	1@104	14.14	14.54	0.0284
77	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	14.36	14.76	0.0299
77	30	40	641666	3624.99	CP-OFDM 64 QAM	53@26	14.31	14.71	0.0296
77	30	40	641666	3624.99	CP-OFDM 64 QAM	1@1	14.6	15.00	0.0316
77	30	40	641666	3624.99	CP-OFDM 64 QAM	1@104	14.15	14.55	0.0285
77	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	14.37	14.77	0.0300
77	30	40	641666	3624.99	CP-OFDM 256 QAM	53@26	14.25	14.65	0.0292
77	30	40	641666	3624.99	CP-OFDM 256 QAM	1@1	14.67	15.07	0.0321
77	30	40	641666	3624.99	CP-OFDM 256 QAM	1@104	14.19	14.59	0.0288
77	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	14.3	14.70	0.0295
77	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	50@25	14.46	14.86	0.0306
77	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@1	14.61	15.01	0.0317
77	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@104	14.55	14.95	0.0313
77	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	100@0	14.5	14.90	0.0309
77	30	40	645332	3679.98	DFT-s-OFDM QPSK	50@25	14.5	14.90	0.0309
77	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	14.56	14.96	0.0313
77	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@104	14.54	14.94	0.0312
77	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	14.53	14.93	0.0311
77	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	50@25	14.49	14.89	0.0308
77	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	14.62	15.02	0.0318

77	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@104	14.61	15.01	0.0317
77	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	100@0	14.52	14.92	0.0310
77	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	50@25	14.51	14.91	0.0310
77	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@1	14.48	14.88	0.0308
77	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@104	14.48	14.88	0.0308
77	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	100@0	14.53	14.93	0.0311
77	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	50@25	14.46	14.86	0.0306
77	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@1	14.47	14.87	0.0307
77	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@104	14.45	14.85	0.0305
77	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	100@0	14.53	14.93	0.0311
77	30	40	645332	3679.98	CP-OFDM QPSK	53@26	14.47	14.87	0.0307
77	30	40	645332	3679.98	CP-OFDM QPSK	1@1	14.53	14.93	0.0311
77	30	40	645332	3679.98	CP-OFDM QPSK	1@104	14.51	14.91	0.0310
77	30	40	645332	3679.98	CP-OFDM QPSK	106@0	14.49	14.89	0.0308
77	30	40	645332	3679.98	CP-OFDM 16 QAM	53@26	14.51	14.91	0.0310
77	30	40	645332	3679.98	CP-OFDM 16 QAM	1@1	14.51	14.91	0.0310
77	30	40	645332	3679.98	CP-OFDM 16 QAM	1@104	14.45	14.85	0.0305
77	30	40	645332	3679.98	CP-OFDM 16 QAM	106@0	14.52	14.92	0.0310
77	30	40	645332	3679.98	CP-OFDM 64 QAM	53@26	14.52	14.92	0.0310
77	30	40	645332	3679.98	CP-OFDM 64 QAM	1@1	14.52	14.92	0.0310
77	30	40	645332	3679.98	CP-OFDM 64 QAM	1@104	14.54	14.94	0.0312
77	30	40	645332	3679.98	CP-OFDM 64 QAM	106@0	14.53	14.93	0.0311
77	30	40	645332	3679.98	CP-OFDM 256 QAM	53@26	14.46	14.86	0.0306
77	30	40	645332	3679.98	CP-OFDM 256 QAM	1@1	14.56	14.96	0.0313
77	30	40	645332	3679.98	CP-OFDM 256 QAM	1@104	14.52	14.92	0.0310
77	30	40	645332	3679.98	CP-OFDM 256 QAM	106@0	14.54	14.94	0.0312
77	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	64@32	13.30	13.70	0.0234
77	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	1@1	13.48	13.88	0.0244
77	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	1@131	13.32	13.72	0.0236
77	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	128@0	13.31	13.71	0.0235
77	30	50	638334	3575.01	DFT-s-OFDM QPSK	64@32	13.35	13.75	0.0237
77	30	50	638334	3575.01	DFT-s-OFDM QPSK	1@1	13.46	13.86	0.0243
77	30	50	638334	3575.01	DFT-s-OFDM QPSK	1@131	13.26	13.66	0.0232
77	30	50	638334	3575.01	DFT-s-OFDM QPSK	128@0	13.29	13.69	0.0234
77	30	50	638334	3575.01	DFT-s-OFDM 16 QAM	64@32	13.34	13.74	0.0237
77	30	50	638334	3575.01	DFT-s-OFDM 16 QAM	1@1	13.50	13.90	0.0245
77	30	50	638334	3575.01	DFT-s-OFDM 16 QAM	1@131	13.26	13.66	0.0232
77	30	50	638334	3575.01	DFT-s-OFDM 16 QAM	128@0	13.33	13.73	0.0236
77	30	50	638334	3575.01	DFT-s-OFDM 64 QAM	64@32	13.34	13.74	0.0237
77	30	50	638334	3575.01	DFT-s-OFDM 64 QAM	1@1	13.25	13.65	0.0232
77	30	50	638334	3575.01	DFT-s-OFDM 64 QAM	1@131	13.03	13.43	0.0220
77	30	50	638334	3575.01	DFT-s-OFDM 64 QAM	128@0	13.26	13.66	0.0232
77	30	50	638334	3575.01	DFT-s-OFDM 256 QAM	64@32	13.26	13.66	0.0232
77	30	50	638334	3575.01	DFT-s-OFDM 256 QAM	1@1	13.38	13.78	0.0239
77	30	50	638334	3575.01	DFT-s-OFDM 256 QAM	1@131	13.16	13.56	0.0227

77	30	50	638334	3575.01	DFT-s-OFDM 256 QAM	128@0	13.23	13.63	0.0231
77	30	50	638334	3575.01	CP-OFDM QPSK	67@33	13.36	13.76	0.0238
77	30	50	638334	3575.01	CP-OFDM QPSK	1@1	13.47	13.87	0.0244
77	30	50	638334	3575.01	CP-OFDM QPSK	1@131	13.23	13.63	0.0231
77	30	50	638334	3575.01	CP-OFDM QPSK	133@0	13.31	13.71	0.0235
77	30	50	638334	3575.01	CP-OFDM 16 QAM	67@33	13.30	13.70	0.0234
77	30	50	638334	3575.01	CP-OFDM 16 QAM	1@1	13.45	13.85	0.0243
77	30	50	638334	3575.01	CP-OFDM 16 QAM	1@131	13.23	13.63	0.0231
77	30	50	638334	3575.01	CP-OFDM 16 QAM	133@0	13.3	13.70	0.0234
77	30	50	638334	3575.01	CP-OFDM 64 QAM	67@33	13.34	13.74	0.0237
77	30	50	638334	3575.01	CP-OFDM 64 QAM	1@1	13.37	13.77	0.0238
77	30	50	638334	3575.01	CP-OFDM 64 QAM	1@131	13.22	13.62	0.0230
77	30	50	638334	3575.01	CP-OFDM 64 QAM	133@0	13.34	13.74	0.0237
77	30	50	638334	3575.01	CP-OFDM 256 QAM	67@33	13.37	13.77	0.0238
77	30	50	638334	3575.01	CP-OFDM 256 QAM	1@1	13.47	13.87	0.0244
77	30	50	638334	3575.01	CP-OFDM 256 QAM	1@131	13.22	13.62	0.0230
77	30	50	638334	3575.01	CP-OFDM 256 QAM	133@0	13.27	13.67	0.0233
77	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	64@32	13.18	13.58	0.0228
77	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	13.64	14.04	0.0254
77	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@131	13.10	13.50	0.0224
77	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	128@0	13.21	13.61	0.0230
77	30	50	641666	3624.99	DFT-s-OFDM QPSK	64@32	13.17	13.57	0.0228
77	30	50	641666	3624.99	DFT-s-OFDM QPSK	1@1	13.65	14.05	0.0254
77	30	50	641666	3624.99	DFT-s-OFDM QPSK	1@131	13.01	13.41	0.0219
77	30	50	641666	3624.99	DFT-s-OFDM QPSK	128@0	13.21	13.61	0.0230
77	30	50	641666	3624.99	DFT-s-OFDM 16 QAM	64@32	13.23	13.63	0.0231
77	30	50	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	13.58	13.98	0.0250
77	30	50	641666	3624.99	DFT-s-OFDM 16 QAM	1@131	12.94	13.34	0.0216
77	30	50	641666	3624.99	DFT-s-OFDM 16 QAM	128@0	13.24	13.64	0.0231
77	30	50	641666	3624.99	DFT-s-OFDM 64 QAM	64@32	13.17	13.57	0.0228
77	30	50	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	13.35	13.75	0.0237
77	30	50	641666	3624.99	DFT-s-OFDM 64 QAM	1@131	12.87	13.27	0.0212
77	30	50	641666	3624.99	DFT-s-OFDM 64 QAM	128@0	13.25	13.65	0.0232
77	30	50	641666	3624.99	DFT-s-OFDM 256 QAM	64@32	13.14	13.54	0.0226
77	30	50	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	13.49	13.89	0.0245
77	30	50	641666	3624.99	DFT-s-OFDM 256 QAM	1@131	12.97	13.37	0.0217
77	30	50	641666	3624.99	DFT-s-OFDM 256 QAM	128@0	13.19	13.59	0.0229
77	30	50	641666	3624.99	CP-OFDM QPSK	67@33	13.15	13.55	0.0226
77	30	50	641666	3624.99	CP-OFDM QPSK	1@1	13.64	14.04	0.0254
77	30	50	641666	3624.99	CP-OFDM QPSK	1@131	13.07	13.47	0.0222
77	30	50	641666	3624.99	CP-OFDM QPSK	133@0	13.26	13.66	0.0232
77	30	50	641666	3624.99	CP-OFDM 16 QAM	67@33	13.13	13.53	0.0225
77	30	50	641666	3624.99	CP-OFDM 16 QAM	1@1	13.58	13.98	0.0250
77	30	50	641666	3624.99	CP-OFDM 16 QAM	1@131	12.95	13.35	0.0216
77	30	50	641666	3624.99	CP-OFDM 16 QAM	133@0	13.29	13.69	0.0234

77	30	50	641666	3624.99	CP-OFDM 64 QAM	67@33	13.18	13.58	0.0228
77	30	50	641666	3624.99	CP-OFDM 64 QAM	1@1	13.54	13.94	0.0248
77	30	50	641666	3624.99	CP-OFDM 64 QAM	1@131	12.96	13.36	0.0217
77	30	50	641666	3624.99	CP-OFDM 64 QAM	133@0	13.22	13.62	0.0230
77	30	50	641666	3624.99	CP-OFDM 256 QAM	67@33	13.22	13.62	0.0230
77	30	50	641666	3624.99	CP-OFDM 256 QAM	1@1	13.59	13.99	0.0251
77	30	50	641666	3624.99	CP-OFDM 256 QAM	1@131	13.09	13.49	0.0223
77	30	50	641666	3624.99	CP-OFDM 256 QAM	133@0	13.24	13.64	0.0231
77	30	50	645000	3675	DFT-s-OFDM PI/2 BPSK	64@32	13.52	13.92	0.0247
77	30	50	645000	3675	DFT-s-OFDM PI/2 BPSK	1@1	13.51	13.91	0.0246
77	30	50	645000	3675	DFT-s-OFDM PI/2 BPSK	1@131	13.41	13.81	0.0240
77	30	50	645000	3675	DFT-s-OFDM PI/2 BPSK	128@0	13.46	13.86	0.0243
77	30	50	645000	3675	DFT-s-OFDM QPSK	64@32	13.49	13.89	0.0245
77	30	50	645000	3675	DFT-s-OFDM QPSK	1@1	13.43	13.83	0.0242
77	30	50	645000	3675	DFT-s-OFDM QPSK	1@131	13.41	13.81	0.0240
77	30	50	645000	3675	DFT-s-OFDM QPSK	128@0	13.38	13.78	0.0239
77	30	50	645000	3675	DFT-s-OFDM 16 QAM	64@32	13.51	13.91	0.0246
77	30	50	645000	3675	DFT-s-OFDM 16 QAM	1@1	13.45	13.85	0.0243
77	30	50	645000	3675	DFT-s-OFDM 16 QAM	1@131	13.38	13.78	0.0239
77	30	50	645000	3675	DFT-s-OFDM 16 QAM	128@0	13.45	13.85	0.0243
77	30	50	645000	3675	DFT-s-OFDM 64 QAM	64@32	13.51	13.91	0.0246
77	30	50	645000	3675	DFT-s-OFDM 64 QAM	1@1	13.24	13.64	0.0231
77	30	50	645000	3675	DFT-s-OFDM 64 QAM	1@131	13.29	13.69	0.0234
77	30	50	645000	3675	DFT-s-OFDM 64 QAM	128@0	13.38	13.78	0.0239
77	30	50	645000	3675	DFT-s-OFDM 256 QAM	64@32	13.47	13.87	0.0244
77	30	50	645000	3675	DFT-s-OFDM 256 QAM	1@1	13.36	13.76	0.0238
77	30	50	645000	3675	DFT-s-OFDM 256 QAM	1@131	13.33	13.73	0.0236
77	30	50	645000	3675	DFT-s-OFDM 256 QAM	128@0	13.37	13.77	0.0238
77	30	50	645000	3675	CP-OFDM QPSK	67@33	13.50	13.90	0.0245
77	30	50	645000	3675	CP-OFDM QPSK	1@1	13.48	13.88	0.0244
77	30	50	645000	3675	CP-OFDM QPSK	1@131	13.37	13.77	0.0238
77	30	50	645000	3675	CP-OFDM QPSK	133@0	13.42	13.82	0.0241
77	30	50	645000	3675	CP-OFDM 16 QAM	67@33	13.51	13.91	0.0246
77	30	50	645000	3675	CP-OFDM 16 QAM	1@1	13.36	13.76	0.0238
77	30	50	645000	3675	CP-OFDM 16 QAM	1@131	13.35	13.75	0.0237
77	30	50	645000	3675	CP-OFDM 16 QAM	133@0	13.42	13.82	0.0241
77	30	50	645000	3675	CP-OFDM 64 QAM	67@33	13.50	13.90	0.0245
77	30	50	645000	3675	CP-OFDM 64 QAM	1@1	13.30	13.70	0.0234
77	30	50	645000	3675	CP-OFDM 64 QAM	1@131	13.31	13.71	0.0235
77	30	50	645000	3675	CP-OFDM 64 QAM	133@0	13.35	13.75	0.0237
77	30	50	645000	3675	CP-OFDM 256 QAM	67@33	13.53	13.93	0.0247
77	30	50	645000	3675	CP-OFDM 256 QAM	1@1	13.42	13.82	0.0241
77	30	50	645000	3675	CP-OFDM 256 QAM	1@131	13.36	13.76	0.0238
77	30	50	645000	3675	CP-OFDM 256 QAM	133@0	13.44	13.84	0.0242
77	30	60	638668	3580.02	DFT-s-OFDM PI/2 BPSK	81@40	14.33	14.73	0.0297

77	30	60	638668	3580.02	DFT-s-OFDM PI/2 BPSK	1@1	14.52	14.92	0.0310
77	30	60	638668	3580.02	DFT-s-OFDM PI/2 BPSK	1@160	14.20	14.60	0.0288
77	30	60	638668	3580.02	DFT-s-OFDM PI/2 BPSK	162@0	14.3	14.70	0.0295
77	30	60	638668	3580.02	DFT-s-OFDM QPSK	81@40	14.33	14.73	0.0297
77	30	60	638668	3580.02	DFT-s-OFDM QPSK	1@1	14.49	14.89	0.0308
77	30	60	638668	3580.02	DFT-s-OFDM QPSK	1@160	14.20	14.60	0.0288
77	30	60	638668	3580.02	DFT-s-OFDM QPSK	162@0	14.26	14.66	0.0292
77	30	60	638668	3580.02	DFT-s-OFDM 16 QAM	81@40	14.32	14.72	0.0296
77	30	60	638668	3580.02	DFT-s-OFDM 16 QAM	1@1	14.57	14.97	0.0314
77	30	60	638668	3580.02	DFT-s-OFDM 16 QAM	1@160	14.26	14.66	0.0292
77	30	60	638668	3580.02	DFT-s-OFDM 16 QAM	162@0	14.35	14.75	0.0299
77	30	60	638668	3580.02	DFT-s-OFDM 64 QAM	81@40	14.29	14.69	0.0294
77	30	60	638668	3580.02	DFT-s-OFDM 64 QAM	1@1	14.44	14.84	0.0305
77	30	60	638668	3580.02	DFT-s-OFDM 64 QAM	1@160	14.08	14.48	0.0281
77	30	60	638668	3580.02	DFT-s-OFDM 64 QAM	162@0	14.31	14.71	0.0296
77	30	60	638668	3580.02	DFT-s-OFDM 256 QAM	81@40	14.35	14.75	0.0299
77	30	60	638668	3580.02	DFT-s-OFDM 256 QAM	1@1	14.40	14.80	0.0302
77	30	60	638668	3580.02	DFT-s-OFDM 256 QAM	1@160	14.13	14.53	0.0284
77	30	60	638668	3580.02	DFT-s-OFDM 256 QAM	162@0	14.28	14.68	0.0294
77	30	60	638668	3580.02	CP-OFDM QPSK	81@40	14.35	14.75	0.0299
77	30	60	638668	3580.02	CP-OFDM QPSK	1@1	14.47	14.87	0.0307
77	30	60	638668	3580.02	CP-OFDM QPSK	1@160	14.22	14.62	0.0290
77	30	60	638668	3580.02	CP-OFDM QPSK	162@0	14.28	14.68	0.0294
77	30	60	638668	3580.02	CP-OFDM 16 QAM	81@40	14.35	14.75	0.0299
77	30	60	638668	3580.02	CP-OFDM 16 QAM	1@1	14.41	14.81	0.0303
77	30	60	638668	3580.02	CP-OFDM 16 QAM	1@160	14.16	14.56	0.0286
77	30	60	638668	3580.02	CP-OFDM 16 QAM	162@0	14.25	14.65	0.0292
77	30	60	638668	3580.02	CP-OFDM 64 QAM	81@40	14.35	14.75	0.0299
77	30	60	638668	3580.02	CP-OFDM 64 QAM	1@1	14.48	14.88	0.0308
77	30	60	638668	3580.02	CP-OFDM 64 QAM	1@160	14.14	14.54	0.0284
77	30	60	638668	3580.02	CP-OFDM 64 QAM	162@0	14.28	14.68	0.0294
77	30	60	638668	3580.02	CP-OFDM 256 QAM	81@40	14.34	14.74	0.0298
77	30	60	638668	3580.02	CP-OFDM 256 QAM	1@1	14.47	14.87	0.0307
77	30	60	638668	3580.02	CP-OFDM 256 QAM	1@160	14.21	14.61	0.0289
77	30	60	638668	3580.02	CP-OFDM 256 QAM	162@0	14.31	14.71	0.0296
77	30	60	641666	3624.99	DFT-s-OFDM PI/2 BPSK	81@40	14.18	14.58	0.0287
77	30	60	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.63	15.03	0.0318
77	30	60	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@160	14.18	14.58	0.0287
77	30	60	641666	3624.99	DFT-s-OFDM PI/2 BPSK	162@0	14.15	14.55	0.0285
77	30	60	641666	3624.99	DFT-s-OFDM QPSK	81@40	14.18	14.58	0.0287
77	30	60	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.64	15.04	0.0319
77	30	60	641666	3624.99	DFT-s-OFDM QPSK	1@160	14.14	14.54	0.0284
77	30	60	641666	3624.99	DFT-s-OFDM QPSK	162@0	14.16	14.56	0.0286
77	30	60	641666	3624.99	DFT-s-OFDM 16 QAM	81@40	14.17	14.57	0.0286
77	30	60	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.58	14.98	0.0315

77	30	60	641666	3624.99	DFT-s-OFDM 16 QAM	1@160	14.19	14.59	0.0288
77	30	60	641666	3624.99	DFT-s-OFDM 16 QAM	162@0	14.17	14.57	0.0286
77	30	60	641666	3624.99	DFT-s-OFDM 64 QAM	81@40	14.18	14.58	0.0287
77	30	60	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.39	14.79	0.0301
77	30	60	641666	3624.99	DFT-s-OFDM 64 QAM	1@160	13.93	14.33	0.0271
77	30	60	641666	3624.99	DFT-s-OFDM 64 QAM	162@0	14.2	14.60	0.0288
77	30	60	641666	3624.99	DFT-s-OFDM 256 QAM	81@40	14.19	14.59	0.0288
77	30	60	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.56	14.96	0.0313
77	30	60	641666	3624.99	DFT-s-OFDM 256 QAM	1@160	14.08	14.48	0.0281
77	30	60	641666	3624.99	DFT-s-OFDM 256 QAM	162@0	14.22	14.62	0.0290
77	30	60	641666	3624.99	CP-OFDM QPSK	81@40	14.19	14.59	0.0288
77	30	60	641666	3624.99	CP-OFDM QPSK	1@1	14.67	15.07	0.0321
77	30	60	641666	3624.99	CP-OFDM QPSK	1@160	14.18	14.58	0.0287
77	30	60	641666	3624.99	CP-OFDM QPSK	162@0	14.17	14.57	0.0286
77	30	60	641666	3624.99	CP-OFDM 16 QAM	81@40	14.14	14.54	0.0284
77	30	60	641666	3624.99	CP-OFDM 16 QAM	1@1	14.56	14.96	0.0313
77	30	60	641666	3624.99	CP-OFDM 16 QAM	1@160	14.13	14.53	0.0284
77	30	60	641666	3624.99	CP-OFDM 16 QAM	162@0	14.2	14.60	0.0288
77	30	60	641666	3624.99	CP-OFDM 64 QAM	81@40	14.14	14.54	0.0284
77	30	60	641666	3624.99	CP-OFDM 64 QAM	1@1	14.57	14.97	0.0314
77	30	60	641666	3624.99	CP-OFDM 64 QAM	1@160	14.08	14.48	0.0281
77	30	60	641666	3624.99	CP-OFDM 64 QAM	162@0	14.09	14.49	0.0281
77	30	60	641666	3624.99	CP-OFDM 256 QAM	81@40	14.17	14.57	0.0286
77	30	60	641666	3624.99	CP-OFDM 256 QAM	1@1	14.65	15.05	0.0320
77	30	60	641666	3624.99	CP-OFDM 256 QAM	1@160	14.16	14.56	0.0286
77	30	60	641666	3624.99	CP-OFDM 256 QAM	162@0	14.24	14.64	0.0291
77	30	60	644666	3669.99	DFT-s-OFDM PI/2 BPSK	81@40	14.38	14.78	0.0301
77	30	60	644666	3669.99	DFT-s-OFDM PI/2 BPSK	1@1	14.37	14.77	0.0300
77	30	60	644666	3669.99	DFT-s-OFDM PI/2 BPSK	1@160	14.44	14.84	0.0305
77	30	60	644666	3669.99	DFT-s-OFDM PI/2 BPSK	162@0	14.3	14.70	0.0295
77	30	60	644666	3669.99	DFT-s-OFDM QPSK	81@40	14.39	14.79	0.0301
77	30	60	644666	3669.99	DFT-s-OFDM QPSK	1@1	14.27	14.67	0.0293
77	30	60	644666	3669.99	DFT-s-OFDM QPSK	1@160	14.39	14.79	0.0301
77	30	60	644666	3669.99	DFT-s-OFDM QPSK	162@0	14.3	14.70	0.0295
77	30	60	644666	3669.99	DFT-s-OFDM 16 QAM	81@40	14.44	14.84	0.0305
77	30	60	644666	3669.99	DFT-s-OFDM 16 QAM	1@1	14.35	14.75	0.0299
77	30	60	644666	3669.99	DFT-s-OFDM 16 QAM	1@160	14.45	14.85	0.0305
77	30	60	644666	3669.99	DFT-s-OFDM 16 QAM	162@0	14.35	14.75	0.0299
77	30	60	644666	3669.99	DFT-s-OFDM 64 QAM	81@40	14.38	14.78	0.0301
77	30	60	644666	3669.99	DFT-s-OFDM 64 QAM	1@1	14.21	14.61	0.0289
77	30	60	644666	3669.99	DFT-s-OFDM 64 QAM	1@160	14.29	14.69	0.0294
77	30	60	644666	3669.99	DFT-s-OFDM 64 QAM	162@0	14.35	14.75	0.0299
77	30	60	644666	3669.99	DFT-s-OFDM 256 QAM	81@40	14.44	14.84	0.0305
77	30	60	644666	3669.99	DFT-s-OFDM 256 QAM	1@1	14.19	14.59	0.0288
77	30	60	644666	3669.99	DFT-s-OFDM 256 QAM	1@160	14.36	14.76	0.0299

77	30	60	644666	3669.99	DFT-s-OFDM 256 QAM	162@0	14.33	14.73	0.0297
77	30	60	644666	3669.99	CP-OFDM QPSK	81@40	14.40	14.80	0.0302
77	30	60	644666	3669.99	CP-OFDM QPSK	1@1	14.28	14.68	0.0294
77	30	60	644666	3669.99	CP-OFDM QPSK	1@160	14.44	14.84	0.0305
77	30	60	644666	3669.99	CP-OFDM QPSK	162@0	14.33	14.73	0.0297
77	30	60	644666	3669.99	CP-OFDM 16 QAM	81@40	14.42	14.82	0.0303
77	30	60	644666	3669.99	CP-OFDM 16 QAM	1@1	14.24	14.64	0.0291
77	30	60	644666	3669.99	CP-OFDM 16 QAM	1@160	14.45	14.85	0.0305
77	30	60	644666	3669.99	CP-OFDM 16 QAM	162@0	14.27	14.67	0.0293
77	30	60	644666	3669.99	CP-OFDM 64 QAM	81@40	14.37	14.77	0.0300
77	30	60	644666	3669.99	CP-OFDM 64 QAM	1@1	14.21	14.61	0.0289
77	30	60	644666	3669.99	CP-OFDM 64 QAM	1@160	14.34	14.74	0.0298
77	30	60	644666	3669.99	CP-OFDM 64 QAM	162@0	14.28	14.68	0.0294
77	30	60	644666	3669.99	CP-OFDM 256 QAM	81@40	14.45	14.85	0.0305
77	30	60	644666	3669.99	CP-OFDM 256 QAM	1@1	14.28	14.68	0.0294
77	30	60	644666	3669.99	CP-OFDM 256 QAM	1@160	14.39	14.79	0.0301
77	30	60	644666	3669.99	CP-OFDM 256 QAM	162@0	14.31	14.71	0.0296
77	30	70	639000	3585	DFT-s-OFDM PI/2 BPSK	90@45	14.20	14.60	0.0288
77	30	70	639000	3585	DFT-s-OFDM PI/2 BPSK	1@1	14.40	14.80	0.0302
77	30	70	639000	3585	DFT-s-OFDM PI/2 BPSK	1@187	13.84	14.24	0.0265
77	30	70	639000	3585	DFT-s-OFDM PI/2 BPSK	180@0	14.14	14.54	0.0284
77	30	70	639000	3585	DFT-s-OFDM QPSK	90@45	14.24	14.64	0.0291
77	30	70	639000	3585	DFT-s-OFDM QPSK	1@1	14.35	14.75	0.0299
77	30	70	639000	3585	DFT-s-OFDM QPSK	1@187	13.80	14.20	0.0263
77	30	70	639000	3585	DFT-s-OFDM QPSK	180@0	14.12	14.52	0.0283
77	30	70	639000	3585	DFT-s-OFDM 16 QAM	90@45	14.25	14.65	0.0292
77	30	70	639000	3585	DFT-s-OFDM 16 QAM	1@1	14.30	14.70	0.0295
77	30	70	639000	3585	DFT-s-OFDM 16 QAM	1@187	13.75	14.15	0.0260
77	30	70	639000	3585	DFT-s-OFDM 16 QAM	180@0	14.16	14.56	0.0286
77	30	70	639000	3585	DFT-s-OFDM 64 QAM	90@45	14.27	14.67	0.0293
77	30	70	639000	3585	DFT-s-OFDM 64 QAM	1@1	14.15	14.55	0.0285
77	30	70	639000	3585	DFT-s-OFDM 64 QAM	1@187	13.58	13.98	0.0250
77	30	70	639000	3585	DFT-s-OFDM 64 QAM	180@0	14.15	14.55	0.0285
77	30	70	639000	3585	DFT-s-OFDM 256 QAM	90@45	14.27	14.67	0.0293
77	30	70	639000	3585	DFT-s-OFDM 256 QAM	1@1	14.26	14.66	0.0292
77	30	70	639000	3585	DFT-s-OFDM 256 QAM	1@187	13.75	14.15	0.0260
77	30	70	639000	3585	DFT-s-OFDM 256 QAM	180@0	14.16	14.56	0.0286
77	30	70	639000	3585	CP-OFDM QPSK	95@47	14.25	14.65	0.0292
77	30	70	639000	3585	CP-OFDM QPSK	1@1	14.36	14.76	0.0299
77	30	70	639000	3585	CP-OFDM QPSK	1@187	13.87	14.27	0.0267
77	30	70	639000	3585	CP-OFDM QPSK	189@0	14.12	14.52	0.0283
77	30	70	639000	3585	CP-OFDM 16 QAM	95@47	14.24	14.64	0.0291
77	30	70	639000	3585	CP-OFDM 16 QAM	1@1	14.30	14.70	0.0295
77	30	70	639000	3585	CP-OFDM 16 QAM	1@187	13.75	14.15	0.0260
77	30	70	639000	3585	CP-OFDM 16 QAM	189@0	14.1	14.50	0.0282

77	30	70	639000	3585	CP-OFDM 64 QAM	95@47	14.20	14.60	0.0288
77	30	70	639000	3585	CP-OFDM 64 QAM	1@1	14.32	14.72	0.0296
77	30	70	639000	3585	CP-OFDM 64 QAM	1@187	13.75	14.15	0.0260
77	30	70	639000	3585	CP-OFDM 64 QAM	189@0	14.15	14.55	0.0285
77	30	70	639000	3585	CP-OFDM 256 QAM	95@47	14.26	14.66	0.0292
77	30	70	639000	3585	CP-OFDM 256 QAM	1@1	14.36	14.76	0.0299
77	30	70	639000	3585	CP-OFDM 256 QAM	1@187	13.80	14.20	0.0263
77	30	70	639000	3585	CP-OFDM 256 QAM	189@0	14.15	14.55	0.0285
77	30	70	641666	3624.99	DFT-s-OFDM PI/2 BPSK	90@45	14.06	14.46	0.0279
77	30	70	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.52	14.92	0.0310
77	30	70	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@187	14.01	14.41	0.0276
77	30	70	641666	3624.99	DFT-s-OFDM PI/2 BPSK	180@0	13.98	14.38	0.0274
77	30	70	641666	3624.99	DFT-s-OFDM QPSK	90@45	14.08	14.48	0.0281
77	30	70	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.49	14.89	0.0308
77	30	70	641666	3624.99	DFT-s-OFDM QPSK	1@187	13.98	14.38	0.0274
77	30	70	641666	3624.99	DFT-s-OFDM QPSK	180@0	14.06	14.46	0.0279
77	30	70	641666	3624.99	DFT-s-OFDM 16 QAM	90@45	14.08	14.48	0.0281
77	30	70	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.38	14.78	0.0301
77	30	70	641666	3624.99	DFT-s-OFDM 16 QAM	1@187	13.96	14.36	0.0273
77	30	70	641666	3624.99	DFT-s-OFDM 16 QAM	180@0	14.07	14.47	0.0280
77	30	70	641666	3624.99	DFT-s-OFDM 64 QAM	90@45	14.12	14.52	0.0283
77	30	70	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.19	14.59	0.0288
77	30	70	641666	3624.99	DFT-s-OFDM 64 QAM	1@187	13.77	14.17	0.0261
77	30	70	641666	3624.99	DFT-s-OFDM 64 QAM	180@0	14.03	14.43	0.0277
77	30	70	641666	3624.99	DFT-s-OFDM 256 QAM	90@45	14.09	14.49	0.0281
77	30	70	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.42	14.82	0.0303
77	30	70	641666	3624.99	DFT-s-OFDM 256 QAM	1@187	13.93	14.33	0.0271
77	30	70	641666	3624.99	DFT-s-OFDM 256 QAM	180@0	14.08	14.48	0.0281
77	30	70	641666	3624.99	CP-OFDM QPSK	95@47	14.06	14.46	0.0279
77	30	70	641666	3624.99	CP-OFDM QPSK	1@1	14.51	14.91	0.0310
77	30	70	641666	3624.99	CP-OFDM QPSK	1@187	14.08	14.48	0.0281
77	30	70	641666	3624.99	CP-OFDM QPSK	189@0	14.07	14.47	0.0280
77	30	70	641666	3624.99	CP-OFDM 16 QAM	95@47	14.07	14.47	0.0280
77	30	70	641666	3624.99	CP-OFDM 16 QAM	1@1	14.42	14.82	0.0303
77	30	70	641666	3624.99	CP-OFDM 16 QAM	1@187	13.99	14.39	0.0275
77	30	70	641666	3624.99	CP-OFDM 16 QAM	189@0	14.07	14.47	0.0280
77	30	70	641666	3624.99	CP-OFDM 64 QAM	95@47	14.05	14.45	0.0279
77	30	70	641666	3624.99	CP-OFDM 64 QAM	1@1	14.36	14.76	0.0299
77	30	70	641666	3624.99	CP-OFDM 64 QAM	1@187	13.93	14.33	0.0271
77	30	70	641666	3624.99	CP-OFDM 64 QAM	189@0	14.09	14.49	0.0281
77	30	70	641666	3624.99	CP-OFDM 256 QAM	95@47	14.11	14.51	0.0282
77	30	70	641666	3624.99	CP-OFDM 256 QAM	1@1	14.44	14.84	0.0305
77	30	70	641666	3624.99	CP-OFDM 256 QAM	1@187	13.98	14.38	0.0274
77	30	70	641666	3624.99	CP-OFDM 256 QAM	189@0	14.07	14.47	0.0280
77	30	70	644332	3664.98	DFT-s-OFDM PI/2 BPSK	90@45	14.19	14.59	0.0288

77	30	70	644332	3664.98	DFT-s-OFDM PI/2 BPSK	1@1	14.14	14.54	0.0284
77	30	70	644332	3664.98	DFT-s-OFDM PI/2 BPSK	1@187	14.17	14.57	0.0286
77	30	70	644332	3664.98	DFT-s-OFDM PI/2 BPSK	180@0	14.09	14.49	0.0281
77	30	70	644332	3664.98	DFT-s-OFDM QPSK	90@45	14.19	14.59	0.0288
77	30	70	644332	3664.98	DFT-s-OFDM QPSK	1@1	14.13	14.53	0.0284
77	30	70	644332	3664.98	DFT-s-OFDM QPSK	1@187	14.15	14.55	0.0285
77	30	70	644332	3664.98	DFT-s-OFDM QPSK	180@0	14.1	14.50	0.0282
77	30	70	644332	3664.98	DFT-s-OFDM 16 QAM	90@45	14.21	14.61	0.0289
77	30	70	644332	3664.98	DFT-s-OFDM 16 QAM	1@1	13.99	14.39	0.0275
77	30	70	644332	3664.98	DFT-s-OFDM 16 QAM	1@187	14.17	14.57	0.0286
77	30	70	644332	3664.98	DFT-s-OFDM 16 QAM	180@0	14.1	14.50	0.0282
77	30	70	644332	3664.98	DFT-s-OFDM 64 QAM	90@45	14.25	14.65	0.0292
77	30	70	644332	3664.98	DFT-s-OFDM 64 QAM	1@1	13.87	14.27	0.0267
77	30	70	644332	3664.98	DFT-s-OFDM 64 QAM	1@187	13.96	14.36	0.0273
77	30	70	644332	3664.98	DFT-s-OFDM 64 QAM	180@0	14.08	14.48	0.0281
77	30	70	644332	3664.98	DFT-s-OFDM 256 QAM	90@45	14.23	14.63	0.0290
77	30	70	644332	3664.98	DFT-s-OFDM 256 QAM	1@1	14.01	14.41	0.0276
77	30	70	644332	3664.98	DFT-s-OFDM 256 QAM	1@187	14.12	14.52	0.0283
77	30	70	644332	3664.98	DFT-s-OFDM 256 QAM	180@0	14.12	14.52	0.0283
77	30	70	644332	3664.98	CP-OFDM QPSK	95@47	14.22	14.62	0.0290
77	30	70	644332	3664.98	CP-OFDM QPSK	1@1	14.12	14.52	0.0283
77	30	70	644332	3664.98	CP-OFDM QPSK	1@187	14.23	14.63	0.0290
77	30	70	644332	3664.98	CP-OFDM QPSK	189@0	14.1	14.50	0.0282
77	30	70	644332	3664.98	CP-OFDM 16 QAM	95@47	14.22	14.62	0.0290
77	30	70	644332	3664.98	CP-OFDM 16 QAM	1@1	13.97	14.37	0.0274
77	30	70	644332	3664.98	CP-OFDM 16 QAM	1@187	14.16	14.56	0.0286
77	30	70	644332	3664.98	CP-OFDM 16 QAM	189@0	14.09	14.49	0.0281
77	30	70	644332	3664.98	CP-OFDM 64 QAM	95@47	14.21	14.61	0.0289
77	30	70	644332	3664.98	CP-OFDM 64 QAM	1@1	14.04	14.44	0.0278
77	30	70	644332	3664.98	CP-OFDM 64 QAM	1@187	14.08	14.48	0.0281
77	30	70	644332	3664.98	CP-OFDM 64 QAM	189@0	14.11	14.51	0.0282
77	30	70	644332	3664.98	CP-OFDM 256 QAM	95@47	14.29	14.69	0.0294
77	30	70	644332	3664.98	CP-OFDM 256 QAM	1@1	14.12	14.52	0.0283
77	30	70	644332	3664.98	CP-OFDM 256 QAM	1@187	14.19	14.59	0.0288
77	30	70	644332	3664.98	CP-OFDM 256 QAM	189@0	14.2	14.60	0.0288
77	30	80	639334	3590.01	DFT-s-OFDM PI/2 BPSK	108@54	14.22	14.62	0.0290
77	30	80	639334	3590.01	DFT-s-OFDM PI/2 BPSK	1@1	14.40	14.80	0.0302
77	30	80	639334	3590.01	DFT-s-OFDM PI/2 BPSK	1@215	13.70	14.10	0.0257
77	30	80	639334	3590.01	DFT-s-OFDM PI/2 BPSK	216@0	14.09	14.49	0.0281
77	30	80	639334	3590.01	DFT-s-OFDM QPSK	108@54	14.22	14.62	0.0290
77	30	80	639334	3590.01	DFT-s-OFDM QPSK	1@1	14.38	14.78	0.0301
77	30	80	639334	3590.01	DFT-s-OFDM QPSK	1@215	13.67	14.07	0.0255
77	30	80	639334	3590.01	DFT-s-OFDM QPSK	216@0	14.12	14.52	0.0283
77	30	80	639334	3590.01	DFT-s-OFDM 16 QAM	108@54	14.29	14.69	0.0294
77	30	80	639334	3590.01	DFT-s-OFDM 16 QAM	1@1	14.47	14.87	0.0307

77	30	80	639334	3590.01	DFT-s-OFDM 16 QAM	1@215	13.70	14.10	0.0257
77	30	80	639334	3590.01	DFT-s-OFDM 16 QAM	216@0	14.1	14.50	0.0282
77	30	80	639334	3590.01	DFT-s-OFDM 64 QAM	108@54	14.28	14.68	0.0294
77	30	80	639334	3590.01	DFT-s-OFDM 64 QAM	1@1	14.33	14.73	0.0297
77	30	80	639334	3590.01	DFT-s-OFDM 64 QAM	1@215	13.65	14.05	0.0254
77	30	80	639334	3590.01	DFT-s-OFDM 64 QAM	216@0	14.16	14.56	0.0286
77	30	80	639334	3590.01	DFT-s-OFDM 256 QAM	108@54	14.27	14.67	0.0293
77	30	80	639334	3590.01	DFT-s-OFDM 256 QAM	1@1	14.31	14.71	0.0296
77	30	80	639334	3590.01	DFT-s-OFDM 256 QAM	1@215	13.61	14.01	0.0252
77	30	80	639334	3590.01	DFT-s-OFDM 256 QAM	216@0	14.09	14.49	0.0281
77	30	80	639334	3590.01	CP-OFDM QPSK	109@54	14.26	14.66	0.0292
77	30	80	639334	3590.01	CP-OFDM QPSK	1@1	14.39	14.79	0.0301
77	30	80	639334	3590.01	CP-OFDM QPSK	1@215	13.67	14.07	0.0255
77	30	80	639334	3590.01	CP-OFDM QPSK	217@0	14.13	14.53	0.0284
77	30	80	639334	3590.01	CP-OFDM 16 QAM	109@54	14.26	14.66	0.0292
77	30	80	639334	3590.01	CP-OFDM 16 QAM	1@1	14.33	14.73	0.0297
77	30	80	639334	3590.01	CP-OFDM 16 QAM	1@215	13.60	14.00	0.0251
77	30	80	639334	3590.01	CP-OFDM 16 QAM	217@0	14.13	14.53	0.0284
77	30	80	639334	3590.01	CP-OFDM 64 QAM	109@54	14.28	14.68	0.0294
77	30	80	639334	3590.01	CP-OFDM 64 QAM	1@1	14.30	14.70	0.0295
77	30	80	639334	3590.01	CP-OFDM 64 QAM	1@215	13.57	13.97	0.0249
77	30	80	639334	3590.01	CP-OFDM 64 QAM	217@0	14.13	14.53	0.0284
77	30	80	639334	3590.01	CP-OFDM 256 QAM	109@54	14.27	14.67	0.0293
77	30	80	639334	3590.01	CP-OFDM 256 QAM	1@1	14.35	14.75	0.0299
77	30	80	639334	3590.01	CP-OFDM 256 QAM	1@215	13.66	14.06	0.0255
77	30	80	639334	3590.01	CP-OFDM 256 QAM	217@0	14.15	14.55	0.0285
77	30	80	641666	3624.99	DFT-s-OFDM PI/2 BPSK	108@54	14.06	14.46	0.0279
77	30	80	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.51	14.91	0.0310
77	30	80	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@215	13.99	14.39	0.0275
77	30	80	641666	3624.99	DFT-s-OFDM PI/2 BPSK	216@0	14.05	14.45	0.0279
77	30	80	641666	3624.99	DFT-s-OFDM QPSK	108@54	14.10	14.50	0.0282
77	30	80	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.47	14.87	0.0307
77	30	80	641666	3624.99	DFT-s-OFDM QPSK	1@215	13.97	14.37	0.0274
77	30	80	641666	3624.99	DFT-s-OFDM QPSK	216@0	14.09	14.49	0.0281
77	30	80	641666	3624.99	DFT-s-OFDM 16 QAM	108@54	14.11	14.51	0.0282
77	30	80	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.36	14.76	0.0299
77	30	80	641666	3624.99	DFT-s-OFDM 16 QAM	1@215	13.96	14.36	0.0273
77	30	80	641666	3624.99	DFT-s-OFDM 16 QAM	216@0	14.09	14.49	0.0281
77	30	80	641666	3624.99	DFT-s-OFDM 64 QAM	108@54	14.12	14.52	0.0283
77	30	80	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.20	14.60	0.0288
77	30	80	641666	3624.99	DFT-s-OFDM 64 QAM	1@215	13.78	14.18	0.0262
77	30	80	641666	3624.99	DFT-s-OFDM 64 QAM	216@0	14.08	14.48	0.0281
77	30	80	641666	3624.99	DFT-s-OFDM 256 QAM	108@54	14.06	14.46	0.0279
77	30	80	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.37	14.77	0.0300
77	30	80	641666	3624.99	DFT-s-OFDM 256 QAM	1@215	13.89	14.29	0.0269

77	30	80	641666	3624.99	DFT-s-OFDM 256 QAM	216@0	14.13	14.53	0.0284
77	30	80	641666	3624.99	CP-OFDM QPSK	109@54	14.07	14.47	0.0280
77	30	80	641666	3624.99	CP-OFDM QPSK	1@1	14.46	14.86	0.0306
77	30	80	641666	3624.99	CP-OFDM QPSK	1@215	14.02	14.42	0.0277
77	30	80	641666	3624.99	CP-OFDM QPSK	217@0	14.08	14.48	0.0281
77	30	80	641666	3624.99	CP-OFDM 16 QAM	109@54	14.07	14.47	0.0280
77	30	80	641666	3624.99	CP-OFDM 16 QAM	1@1	14.43	14.83	0.0304
77	30	80	641666	3624.99	CP-OFDM 16 QAM	1@215	13.95	14.35	0.0272
77	30	80	641666	3624.99	CP-OFDM 16 QAM	217@0	14.1	14.50	0.0282
77	30	80	641666	3624.99	CP-OFDM 64 QAM	109@54	14.03	14.43	0.0277
77	30	80	641666	3624.99	CP-OFDM 64 QAM	1@1	14.40	14.80	0.0302
77	30	80	641666	3624.99	CP-OFDM 64 QAM	1@215	13.84	14.24	0.0265
77	30	80	641666	3624.99	CP-OFDM 64 QAM	217@0	14.09	14.49	0.0281
77	30	80	641666	3624.99	CP-OFDM 256 QAM	109@54	14.12	14.52	0.0283
77	30	80	641666	3624.99	CP-OFDM 256 QAM	1@1	14.42	14.82	0.0303
77	30	80	641666	3624.99	CP-OFDM 256 QAM	1@215	13.94	14.34	0.0272
77	30	80	641666	3624.99	CP-OFDM 256 QAM	217@0	14.14	14.54	0.0284
77	30	80	644000	3660	DFT-s-OFDM PI/2 BPSK	108@54	14.27	14.67	0.0293
77	30	80	644000	3660	DFT-s-OFDM PI/2 BPSK	1@1	14.24	14.64	0.0291
77	30	80	644000	3660	DFT-s-OFDM PI/2 BPSK	1@215	14.23	14.63	0.0290
77	30	80	644000	3660	DFT-s-OFDM PI/2 BPSK	216@0	14.06	14.46	0.0279
77	30	80	644000	3660	DFT-s-OFDM QPSK	108@54	14.22	14.62	0.0290
77	30	80	644000	3660	DFT-s-OFDM QPSK	1@1	14.21	14.61	0.0289
77	30	80	644000	3660	DFT-s-OFDM QPSK	1@215	14.21	14.61	0.0289
77	30	80	644000	3660	DFT-s-OFDM QPSK	216@0	14.07	14.47	0.0280
77	30	80	644000	3660	DFT-s-OFDM 16 QAM	108@54	14.35	14.75	0.0299
77	30	80	644000	3660	DFT-s-OFDM 16 QAM	1@1	14.30	14.70	0.0295
77	30	80	644000	3660	DFT-s-OFDM 16 QAM	1@215	14.29	14.69	0.0294
77	30	80	644000	3660	DFT-s-OFDM 16 QAM	216@0	14.07	14.47	0.0280
77	30	80	644000	3660	DFT-s-OFDM 64 QAM	108@54	14.28	14.68	0.0294
77	30	80	644000	3660	DFT-s-OFDM 64 QAM	1@1	14.13	14.53	0.0284
77	30	80	644000	3660	DFT-s-OFDM 64 QAM	1@215	14.14	14.54	0.0284
77	30	80	644000	3660	DFT-s-OFDM 64 QAM	216@0	14.09	14.49	0.0281
77	30	80	644000	3660	DFT-s-OFDM 256 QAM	108@54	14.28	14.68	0.0294
77	30	80	644000	3660	DFT-s-OFDM 256 QAM	1@1	14.12	14.52	0.0283
77	30	80	644000	3660	DFT-s-OFDM 256 QAM	1@215	14.19	14.59	0.0288
77	30	80	644000	3660	DFT-s-OFDM 256 QAM	216@0	14.03	14.43	0.0277
77	30	80	644000	3660	CP-OFDM QPSK	109@54	14.27	14.67	0.0293
77	30	80	644000	3660	CP-OFDM QPSK	1@1	14.20	14.60	0.0288
77	30	80	644000	3660	CP-OFDM QPSK	1@215	14.27	14.67	0.0293
77	30	80	644000	3660	CP-OFDM QPSK	217@0	14.09	14.49	0.0281
77	30	80	644000	3660	CP-OFDM 16 QAM	109@54	14.25	14.65	0.0292
77	30	80	644000	3660	CP-OFDM 16 QAM	1@1	14.17	14.57	0.0286
77	30	80	644000	3660	CP-OFDM 16 QAM	1@215	14.21	14.61	0.0289
77	30	80	644000	3660	CP-OFDM 16 QAM	217@0	14.08	14.48	0.0281

77	30	80	644000	3660	CP-OFDM 64 QAM	109@54	14.28	14.68	0.0294
77	30	80	644000	3660	CP-OFDM 64 QAM	1@1	14.17	14.57	0.0286
77	30	80	644000	3660	CP-OFDM 64 QAM	1@215	14.11	14.51	0.0282
77	30	80	644000	3660	CP-OFDM 64 QAM	217@0	14.04	14.44	0.0278
77	30	80	644000	3660	CP-OFDM 256 QAM	109@54	14.28	14.68	0.0294
77	30	80	644000	3660	CP-OFDM 256 QAM	1@1	14.19	14.59	0.0288
77	30	80	644000	3660	CP-OFDM 256 QAM	1@215	14.18	14.58	0.0287
77	30	80	644000	3660	CP-OFDM 256 QAM	217@0	14.16	14.56	0.0286
77	30	90	639668	3595.02	DFT-s-OFDM PI/2 BPSK	120@60	14.23	14.63	0.0290
77	30	90	639668	3595.02	DFT-s-OFDM PI/2 BPSK	1@1	14.38	14.78	0.0301
77	30	90	639668	3595.02	DFT-s-OFDM PI/2 BPSK	1@243	13.79	14.19	0.0262
77	30	90	639668	3595.02	DFT-s-OFDM PI/2 BPSK	243@0	14.1	14.50	0.0282
77	30	90	639668	3595.02	DFT-s-OFDM QPSK	120@60	14.23	14.63	0.0290
77	30	90	639668	3595.02	DFT-s-OFDM QPSK	1@1	14.35	14.75	0.0299
77	30	90	639668	3595.02	DFT-s-OFDM QPSK	1@243	13.76	14.16	0.0261
77	30	90	639668	3595.02	DFT-s-OFDM QPSK	243@0	14.01	14.41	0.0276
77	30	90	639668	3595.02	DFT-s-OFDM 16 QAM	120@60	14.27	14.67	0.0293
77	30	90	639668	3595.02	DFT-s-OFDM 16 QAM	1@1	14.46	14.86	0.0306
77	30	90	639668	3595.02	DFT-s-OFDM 16 QAM	1@243	13.84	14.24	0.0265
77	30	90	639668	3595.02	DFT-s-OFDM 16 QAM	243@0	14.1	14.50	0.0282
77	30	90	639668	3595.02	DFT-s-OFDM 64 QAM	120@60	14.26	14.66	0.0292
77	30	90	639668	3595.02	DFT-s-OFDM 64 QAM	1@1	14.33	14.73	0.0297
77	30	90	639668	3595.02	DFT-s-OFDM 64 QAM	1@243	13.68	14.08	0.0256
77	30	90	639668	3595.02	DFT-s-OFDM 64 QAM	243@0	14.16	14.56	0.0286
77	30	90	639668	3595.02	DFT-s-OFDM 256 QAM	120@60	14.29	14.69	0.0294
77	30	90	639668	3595.02	DFT-s-OFDM 256 QAM	1@1	14.29	14.69	0.0294
77	30	90	639668	3595.02	DFT-s-OFDM 256 QAM	1@243	13.74	14.14	0.0259
77	30	90	639668	3595.02	DFT-s-OFDM 256 QAM	243@0	14.09	14.49	0.0281
77	30	90	639668	3595.02	CP-OFDM QPSK	123@61	14.23	14.63	0.0290
77	30	90	639668	3595.02	CP-OFDM QPSK	1@1	14.37	14.77	0.0300
77	30	90	639668	3595.02	CP-OFDM QPSK	1@243	13.83	14.23	0.0265
77	30	90	639668	3595.02	CP-OFDM QPSK	245@0	14.11	14.51	0.0282
77	30	90	639668	3595.02	CP-OFDM 16 QAM	123@61	14.21	14.61	0.0289
77	30	90	639668	3595.02	CP-OFDM 16 QAM	1@1	14.30	14.70	0.0295
77	30	90	639668	3595.02	CP-OFDM 16 QAM	1@243	13.71	14.11	0.0258
77	30	90	639668	3595.02	CP-OFDM 16 QAM	245@0	14.11	14.51	0.0282
77	30	90	639668	3595.02	CP-OFDM 64 QAM	123@61	14.26	14.66	0.0292
77	30	90	639668	3595.02	CP-OFDM 64 QAM	1@1	14.27	14.67	0.0293
77	30	90	639668	3595.02	CP-OFDM 64 QAM	1@243	13.77	14.17	0.0261
77	30	90	639668	3595.02	CP-OFDM 64 QAM	245@0	14.1	14.50	0.0282
77	30	90	639668	3595.02	CP-OFDM 256 QAM	123@61	14.25	14.65	0.0292
77	30	90	639668	3595.02	CP-OFDM 256 QAM	1@1	14.35	14.75	0.0299
77	30	90	639668	3595.02	CP-OFDM 256 QAM	1@243	13.79	14.19	0.0262
77	30	90	639668	3595.02	CP-OFDM 256 QAM	245@0	14.09	14.49	0.0281
77	30	90	641666	3624.99	DFT-s-OFDM PI/2 BPSK	120@60	14.09	14.49	0.0281

77	30	90	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.45	14.85	0.0305
77	30	90	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@243	14.12	14.52	0.0283
77	30	90	641666	3624.99	DFT-s-OFDM PI/2 BPSK	243@0	14.14	14.54	0.0284
77	30	90	641666	3624.99	DFT-s-OFDM QPSK	120@60	14.09	14.49	0.0281
77	30	90	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.39	14.79	0.0301
77	30	90	641666	3624.99	DFT-s-OFDM QPSK	1@243	14.05	14.45	0.0279
77	30	90	641666	3624.99	DFT-s-OFDM QPSK	243@0	14.11	14.51	0.0282
77	30	90	641666	3624.99	DFT-s-OFDM 16 QAM	120@60	14.14	14.54	0.0284
77	30	90	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.35	14.75	0.0299
77	30	90	641666	3624.99	DFT-s-OFDM 16 QAM	1@243	14.10	14.50	0.0282
77	30	90	641666	3624.99	DFT-s-OFDM 16 QAM	243@0	14.13	14.53	0.0284
77	30	90	641666	3624.99	DFT-s-OFDM 64 QAM	120@60	14.12	14.52	0.0283
77	30	90	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.20	14.60	0.0288
77	30	90	641666	3624.99	DFT-s-OFDM 64 QAM	1@243	13.87	14.27	0.0267
77	30	90	641666	3624.99	DFT-s-OFDM 64 QAM	243@0	14.16	14.56	0.0286
77	30	90	641666	3624.99	DFT-s-OFDM 256 QAM	120@60	14.14	14.54	0.0284
77	30	90	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.32	14.72	0.0296
77	30	90	641666	3624.99	DFT-s-OFDM 256 QAM	1@243	13.98	14.38	0.0274
77	30	90	641666	3624.99	DFT-s-OFDM 256 QAM	243@0	14.18	14.58	0.0287
77	30	90	641666	3624.99	CP-OFDM QPSK	123@61	14.08	14.48	0.0281
77	30	90	641666	3624.99	CP-OFDM QPSK	1@1	14.43	14.83	0.0304
77	30	90	641666	3624.99	CP-OFDM QPSK	1@243	14.12	14.52	0.0283
77	30	90	641666	3624.99	CP-OFDM QPSK	245@0	14.13	14.53	0.0284
77	30	90	641666	3624.99	CP-OFDM 16 QAM	123@61	14.12	14.52	0.0283
77	30	90	641666	3624.99	CP-OFDM 16 QAM	1@1	14.34	14.74	0.0298
77	30	90	641666	3624.99	CP-OFDM 16 QAM	1@243	14.07	14.47	0.0280
77	30	90	641666	3624.99	CP-OFDM 16 QAM	245@0	14.14	14.54	0.0284
77	30	90	641666	3624.99	CP-OFDM 64 QAM	123@61	14.12	14.52	0.0283
77	30	90	641666	3624.99	CP-OFDM 64 QAM	1@1	14.31	14.71	0.0296
77	30	90	641666	3624.99	CP-OFDM 64 QAM	1@243	13.97	14.37	0.0274
77	30	90	641666	3624.99	CP-OFDM 64 QAM	245@0	14.07	14.47	0.0280
77	30	90	641666	3624.99	CP-OFDM 256 QAM	123@61	14.11	14.51	0.0282
77	30	90	641666	3624.99	CP-OFDM 256 QAM	1@1	14.37	14.77	0.0300
77	30	90	641666	3624.99	CP-OFDM 256 QAM	1@243	14.06	14.46	0.0279
77	30	90	641666	3624.99	CP-OFDM 256 QAM	245@0	14.14	14.54	0.0284
77	30	90	643666	3654.99	DFT-s-OFDM PI/2 BPSK	120@60	14.23	14.63	0.0290
77	30	90	643666	3654.99	DFT-s-OFDM PI/2 BPSK	1@1	14.47	14.87	0.0307
77	30	90	643666	3654.99	DFT-s-OFDM PI/2 BPSK	1@243	14.26	14.66	0.0292
77	30	90	643666	3654.99	DFT-s-OFDM PI/2 BPSK	243@0	14.11	14.51	0.0282
77	30	90	643666	3654.99	DFT-s-OFDM QPSK	120@60	14.23	14.63	0.0290
77	30	90	643666	3654.99	DFT-s-OFDM QPSK	1@1	14.43	14.83	0.0304
77	30	90	643666	3654.99	DFT-s-OFDM QPSK	1@243	14.23	14.63	0.0290
77	30	90	643666	3654.99	DFT-s-OFDM QPSK	243@0	14.1	14.50	0.0282
77	30	90	643666	3654.99	DFT-s-OFDM 16 QAM	120@60	14.28	14.68	0.0294
77	30	90	643666	3654.99	DFT-s-OFDM 16 QAM	1@1	14.54	14.94	0.0312

77	30	90	643666	3654.99	DFT-s-OFDM 16 QAM	1@243	14.37	14.77	0.0300
77	30	90	643666	3654.99	DFT-s-OFDM 16 QAM	243@0	14.12	14.52	0.0283
77	30	90	643666	3654.99	DFT-s-OFDM 64 QAM	120@60	14.25	14.65	0.0292
77	30	90	643666	3654.99	DFT-s-OFDM 64 QAM	1@1	14.39	14.79	0.0301
77	30	90	643666	3654.99	DFT-s-OFDM 64 QAM	1@243	14.23	14.63	0.0290
77	30	90	643666	3654.99	DFT-s-OFDM 64 QAM	243@0	14.12	14.52	0.0283
77	30	90	643666	3654.99	DFT-s-OFDM 256 QAM	120@60	14.22	14.62	0.0290
77	30	90	643666	3654.99	DFT-s-OFDM 256 QAM	1@1	14.36	14.76	0.0299
77	30	90	643666	3654.99	DFT-s-OFDM 256 QAM	1@243	14.17	14.57	0.0286
77	30	90	643666	3654.99	DFT-s-OFDM 256 QAM	243@0	14.16	14.56	0.0286
77	30	90	643666	3654.99	CP-OFDM QPSK	123@61	14.05	14.45	0.0279
77	30	90	643666	3654.99	CP-OFDM QPSK	1@1	14.22	14.62	0.0290
77	30	90	643666	3654.99	CP-OFDM QPSK	1@243	14.01	14.41	0.0276
77	30	90	643666	3654.99	CP-OFDM QPSK	245@0	14.08	14.48	0.0281
77	30	90	643666	3654.99	CP-OFDM 16 QAM	123@61	14.12	14.52	0.0283
77	30	90	643666	3654.99	CP-OFDM 16 QAM	1@1	14.27	14.67	0.0293
77	30	90	643666	3654.99	CP-OFDM 16 QAM	1@243	14.21	14.61	0.0289
77	30	90	643666	3654.99	CP-OFDM 16 QAM	245@0	14.03	14.43	0.0277
77	30	90	643666	3654.99	CP-OFDM 64 QAM	123@61	14.18	14.58	0.0287
77	30	90	643666	3654.99	CP-OFDM 64 QAM	1@1	14.24	14.64	0.0291
77	30	90	643666	3654.99	CP-OFDM 64 QAM	1@243	14.15	14.55	0.0285
77	30	90	643666	3654.99	CP-OFDM 64 QAM	245@0	14.04	14.44	0.0278
77	30	90	643666	3654.99	CP-OFDM 256 QAM	123@61	14.20	14.60	0.0288
77	30	90	643666	3654.99	CP-OFDM 256 QAM	1@1	14.38	14.78	0.0301
77	30	90	643666	3654.99	CP-OFDM 256 QAM	1@243	14.19	14.59	0.0288
77	30	90	643666	3654.99	CP-OFDM 256 QAM	245@0	14.16	14.56	0.0286
77	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	135@67	14.19	14.59	0.0288
77	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	1@1	14.39	14.79	0.0301
77	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	1@271	13.93	14.33	0.0271
77	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	270@0	14.12	14.52	0.0283
77	30	100	640000	3600	DFT-s-OFDM QPSK	135@67	14.18	14.58	0.0287
77	30	100	640000	3600	DFT-s-OFDM QPSK	1@1	14.36	14.76	0.0299
77	30	100	640000	3600	DFT-s-OFDM QPSK	1@271	13.84	14.24	0.0265
77	30	100	640000	3600	DFT-s-OFDM QPSK	270@0	14.11	14.51	0.0282
77	30	100	640000	3600	DFT-s-OFDM 16 QAM	135@67	14.20	14.60	0.0288
77	30	100	640000	3600	DFT-s-OFDM 16 QAM	1@1	14.42	14.82	0.0303
77	30	100	640000	3600	DFT-s-OFDM 16 QAM	1@271	13.86	14.26	0.0267
77	30	100	640000	3600	DFT-s-OFDM 16 QAM	270@0	14.1	14.50	0.0282
77	30	100	640000	3600	DFT-s-OFDM 64 QAM	135@67	14.22	14.62	0.0290
77	30	100	640000	3600	DFT-s-OFDM 64 QAM	1@1	14.16	14.56	0.0286
77	30	100	640000	3600	DFT-s-OFDM 64 QAM	1@271	13.70	14.10	0.0257
77	30	100	640000	3600	DFT-s-OFDM 64 QAM	270@0	14.16	14.56	0.0286
77	30	100	640000	3600	DFT-s-OFDM 256 QAM	135@67	14.20	14.60	0.0288
77	30	100	640000	3600	DFT-s-OFDM 256 QAM	1@1	14.27	14.67	0.0293
77	30	100	640000	3600	DFT-s-OFDM 256 QAM	1@271	13.83	14.23	0.0265

77	30	100	640000	3600	DFT-s-OFDM 256 QAM	270@0	14.12	14.52	0.0283
77	30	100	640000	3600	CP-OFDM QPSK	137@68	14.19	14.59	0.0288
77	30	100	640000	3600	CP-OFDM QPSK	1@1	14.37	14.77	0.0300
77	30	100	640000	3600	CP-OFDM QPSK	1@271	13.96	14.36	0.0273
77	30	100	640000	3600	CP-OFDM QPSK	273@0	14.1	14.50	0.0282
77	30	100	640000	3600	CP-OFDM 16 QAM	137@68	14.20	14.60	0.0288
77	30	100	640000	3600	CP-OFDM 16 QAM	1@1	14.23	14.63	0.0290
77	30	100	640000	3600	CP-OFDM 16 QAM	1@271	13.91	14.31	0.0270
77	30	100	640000	3600	CP-OFDM 16 QAM	273@0	14.09	14.49	0.0281
77	30	100	640000	3600	CP-OFDM 64 QAM	137@68	14.19	14.59	0.0288
77	30	100	640000	3600	CP-OFDM 64 QAM	1@1	14.36	14.76	0.0299
77	30	100	640000	3600	CP-OFDM 64 QAM	1@271	13.85	14.25	0.0266
77	30	100	640000	3600	CP-OFDM 64 QAM	273@0	14.1	14.50	0.0282
77	30	100	640000	3600	CP-OFDM 256 QAM	137@68	14.22	14.62	0.0290
77	30	100	640000	3600	CP-OFDM 256 QAM	1@1	14.34	14.74	0.0298
77	30	100	640000	3600	CP-OFDM 256 QAM	1@271	13.93	14.33	0.0271
77	30	100	640000	3600	CP-OFDM 256 QAM	273@0	14.12	14.52	0.0283
77	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	135@67	14.11	14.51	0.0282
77	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	14.35	14.75	0.0299
77	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@271	14.11	14.51	0.0282
77	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	270@0	14.13	14.53	0.0284
77	30	100	641666	3624.99	DFT-s-OFDM QPSK	135@67	14.10	14.50	0.0282
77	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@1	14.35	14.75	0.0299
77	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@271	14.10	14.50	0.0282
77	30	100	641666	3624.99	DFT-s-OFDM QPSK	270@0	14.05	14.45	0.0279
77	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	135@67	14.13	14.53	0.0284
77	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	14.49	14.89	0.0308
77	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	1@271	14.24	14.64	0.0291
77	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	270@0	14.14	14.54	0.0284
77	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	135@67	14.14	14.54	0.0284
77	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	14.31	14.71	0.0296
77	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	1@271	14.05	14.45	0.0279
77	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	270@0	14.13	14.53	0.0284
77	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	135@67	14.10	14.50	0.0282
77	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	14.26	14.66	0.0292
77	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	1@271	14.07	14.47	0.0280
77	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	270@0	14.12	14.52	0.0283
77	30	100	641666	3624.99	CP-OFDM QPSK	137@68	14.12	14.52	0.0283
77	30	100	641666	3624.99	CP-OFDM QPSK	1@1	14.37	14.77	0.0300
77	30	100	641666	3624.99	CP-OFDM QPSK	1@271	14.15	14.55	0.0285
77	30	100	641666	3624.99	CP-OFDM QPSK	273@0	14.16	14.56	0.0286
77	30	100	641666	3624.99	CP-OFDM 16 QAM	137@68	14.07	14.47	0.0280
77	30	100	641666	3624.99	CP-OFDM 16 QAM	1@1	14.26	14.66	0.0292
77	30	100	641666	3624.99	CP-OFDM 16 QAM	1@271	14.16	14.56	0.0286
77	30	100	641666	3624.99	CP-OFDM 16 QAM	273@0	14.14	14.54	0.0284

77	30	100	641666	3624.99	CP-OFDM 64 QAM	137@68	14.07	14.47	0.0280
77	30	100	641666	3624.99	CP-OFDM 64 QAM	1@1	14.26	14.66	0.0292
77	30	100	641666	3624.99	CP-OFDM 64 QAM	1@271	14.04	14.44	0.0278
77	30	100	641666	3624.99	CP-OFDM 64 QAM	273@0	14.08	14.48	0.0281
77	30	100	641666	3624.99	CP-OFDM 256 QAM	137@68	14.14	14.54	0.0284
77	30	100	641666	3624.99	CP-OFDM 256 QAM	1@1	14.36	14.76	0.0299
77	30	100	641666	3624.99	CP-OFDM 256 QAM	1@271	14.15	14.55	0.0285
77	30	100	641666	3624.99	CP-OFDM 256 QAM	273@0	14.17	14.57	0.0286
77	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	135@67	14.20	14.60	0.0288
77	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@1	14.58	14.98	0.0315
77	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@271	14.28	14.68	0.0294
77	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	270@0	14.21	14.61	0.0289
77	30	100	643332	3649.98	DFT-s-OFDM QPSK	135@67	14.17	14.57	0.0286
77	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@1	14.59	14.99	0.0316
77	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@271	14.27	14.67	0.0293
77	30	100	643332	3649.98	DFT-s-OFDM QPSK	270@0	14.27	14.67	0.0293
77	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	135@67	14.22	14.62	0.0290
77	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	1@1	14.44	14.84	0.0305
77	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	1@271	14.29	14.69	0.0294
77	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	270@0	14.26	14.66	0.0292
77	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	135@67	14.20	14.60	0.0288
77	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	1@1	14.36	14.76	0.0299
77	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	1@271	14.10	14.50	0.0282
77	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	270@0	14.2	14.60	0.0288
77	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	135@67	14.23	14.63	0.0290
77	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	1@1	14.48	14.88	0.0308
77	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	1@271	14.26	14.66	0.0292
77	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	270@0	14.24	14.64	0.0291
77	30	100	643332	3649.98	CP-OFDM QPSK	137@68	14.19	14.59	0.0288
77	30	100	643332	3649.98	CP-OFDM QPSK	1@1	14.58	14.98	0.0315
77	30	100	643332	3649.98	CP-OFDM QPSK	1@271	14.36	14.76	0.0299
77	30	100	643332	3649.98	CP-OFDM QPSK	273@0	14.13	14.53	0.0284
77	30	100	643332	3649.98	CP-OFDM 16 QAM	137@68	14.20	14.60	0.0288
77	30	100	643332	3649.98	CP-OFDM 16 QAM	1@1	14.44	14.84	0.0305
77	30	100	643332	3649.98	CP-OFDM 16 QAM	1@271	14.32	14.72	0.0296
77	30	100	643332	3649.98	CP-OFDM 16 QAM	273@0	14.12	14.52	0.0283
77	30	100	643332	3649.98	CP-OFDM 64 QAM	137@68	14.17	14.57	0.0286
77	30	100	643332	3649.98	CP-OFDM 64 QAM	1@1	14.56	14.96	0.0313
77	30	100	643332	3649.98	CP-OFDM 64 QAM	1@271	14.24	14.64	0.0291
77	30	100	643332	3649.98	CP-OFDM 64 QAM	273@0	14.12	14.52	0.0283
77	30	100	643332	3649.98	CP-OFDM 256 QAM	137@68	14.26	14.66	0.0292
77	30	100	643332	3649.98	CP-OFDM 256 QAM	1@1	14.58	14.98	0.0315
77	30	100	643332	3649.98	CP-OFDM 256 QAM	1@271	14.31	14.71	0.0296
77	30	100	643332	3649.98	CP-OFDM 256 QAM	273@0	14.15	14.55	0.0285

Frequency Stability

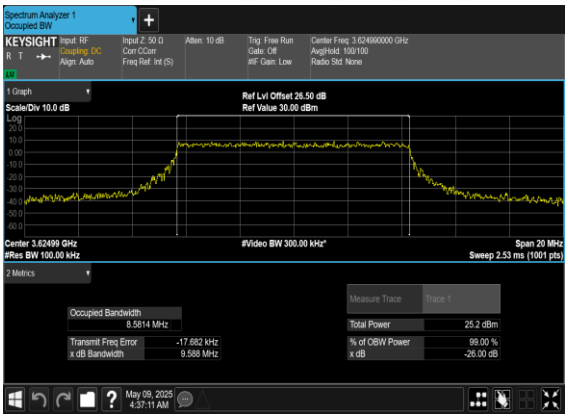
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0074	**PASS**	NV
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0036	**PASS**	LV
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0052	**PASS**	HV
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0039	**PASS**	-30℃
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0042	**PASS**	-20℃
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0037	**PASS**	-10℃
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0055	**PASS**	0℃
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0041	**PASS**	10℃
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0073	**PASS**	20℃
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0082	**PASS**	30℃
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0044	**PASS**	40℃
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	0.0062	**PASS**	50℃

Occupied Bandwidth

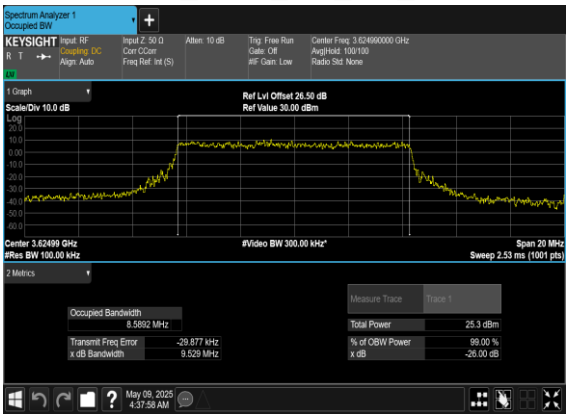
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	641666	3624.99	CP-OFDM QPSK	24@0	8.5814	9.588
77	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	8.5892	9.529
77	30	10	641666	3624.99	CP-OFDM 64 QAM	24@0	8.575	9.484
77	30	10	641666	3624.99	CP-OFDM 256 QAM	24@0	8.5793	9.712
77	30	15	641666	3624.99	CP-OFDM QPSK	38@0	13.553	14.74
77	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	13.563	14.71
77	30	15	641666	3624.99	CP-OFDM 64 QAM	38@0	13.556	14.61
77	30	15	641666	3624.99	CP-OFDM 256 QAM	38@0	13.593	14.63
77	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.141	19.09
77	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.214	19.4
77	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	18.185	19.63
77	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	18.165	19.32
77	30	25	641666	3624.99	CP-OFDM QPSK	65@0	23.136	24.24
77	30	25	641666	3624.99	CP-OFDM 16 QAM	65@0	23.24	24.66
77	30	25	641666	3624.99	CP-OFDM 64 QAM	65@0	23.263	24.95
77	30	25	641666	3624.99	CP-OFDM 256 QAM	65@0	23.223	24.82
77	30	30	641666	3624.99	CP-OFDM QPSK	78@0	27.78	29.1
77	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	27.857	29.1
77	30	30	641666	3624.99	CP-OFDM 64 QAM	78@0	27.911	29.12
77	30	30	641666	3624.99	CP-OFDM 256 QAM	78@0	27.898	29.18
77	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.821	39.52
77	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.828	39.12
77	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	37.911	39.43
77	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	37.762	39.4
77	30	50	641666	3624.99	CP-OFDM QPSK	133@0	47.349	49.17
77	30	50	641666	3624.99	CP-OFDM 16 QAM	133@0	47.414	49.05
77	30	50	641666	3624.99	CP-OFDM 64 QAM	133@0	47.363	49.18
77	30	50	641666	3624.99	CP-OFDM 256 QAM	133@0	47.42	48.98
77	30	60	641666	3624.99	CP-OFDM QPSK	162@0	57.897	60.0
77	30	60	641666	3624.99	CP-OFDM 16 QAM	162@0	57.695	59.93
77	30	60	641666	3624.99	CP-OFDM 64 QAM	162@0	57.798	59.69
77	30	60	641666	3624.99	CP-OFDM 256 QAM	162@0	57.788	59.64
77	30	70	641666	3624.99	CP-OFDM QPSK	189@0	67.584	69.89
77	30	70	641666	3624.99	CP-OFDM 16 QAM	189@0	67.313	70.26
77	30	70	641666	3624.99	CP-OFDM 64 QAM	189@0	67.464	69.92
77	30	70	641666	3624.99	CP-OFDM 256 QAM	189@0	67.31	69.86
77	30	80	641666	3624.99	CP-OFDM QPSK	217@0	77.515	80.21

77	30	80	641666	3624.99	CP-OFDM 16 QAM	217@0	77.472	79.87
77	30	80	641666	3624.99	CP-OFDM 64 QAM	217@0	77.655	79.92
77	30	80	641666	3624.99	CP-OFDM 256 QAM	217@0	77.342	79.95
77	30	90	641666	3624.99	CP-OFDM QPSK	245@0	87.479	90.24
77	30	90	641666	3624.99	CP-OFDM 16 QAM	245@0	87.259	90.26
77	30	90	641666	3624.99	CP-OFDM 64 QAM	245@0	87.24	90.21
77	30	90	641666	3624.99	CP-OFDM 256 QAM	245@0	87.581	90.32
77	30	100	641666	3624.99	CP-OFDM QPSK	273@0	97.532	100.7
77	30	100	641666	3624.99	CP-OFDM 16 QAM	273@0	97.685	100.4
77	30	100	641666	3624.99	CP-OFDM 64 QAM	273@0	97.478	100.5
77	30	100	641666	3624.99	CP-OFDM 256 QAM	273@0	97.555	100.6

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

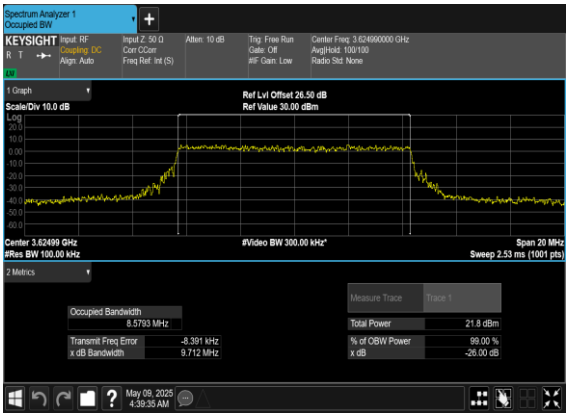


N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

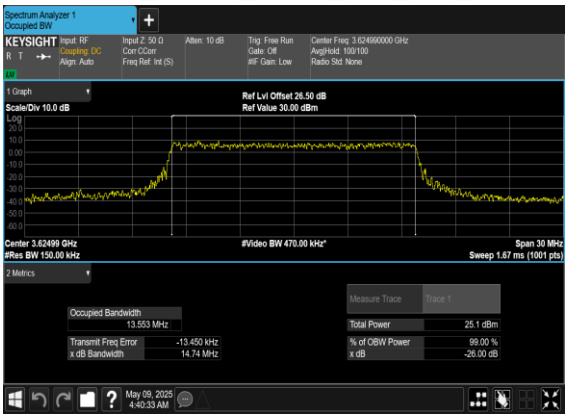


N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

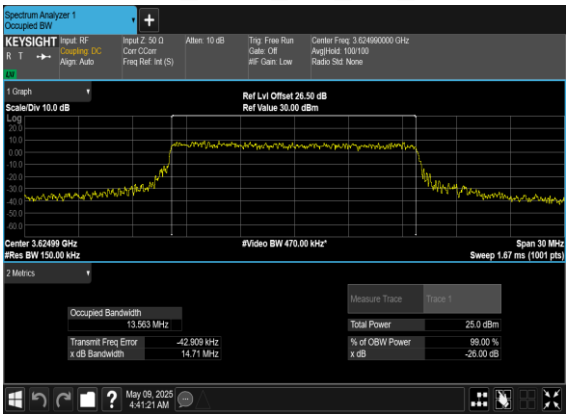
N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



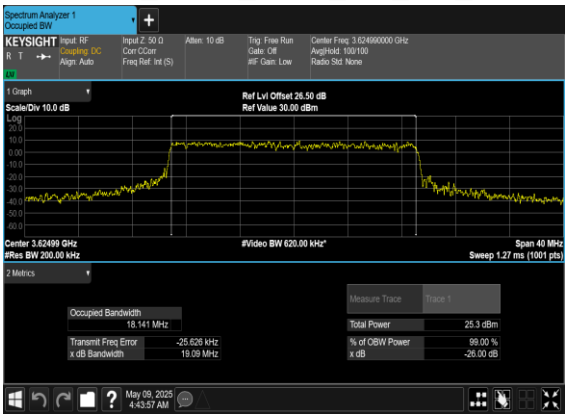
N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



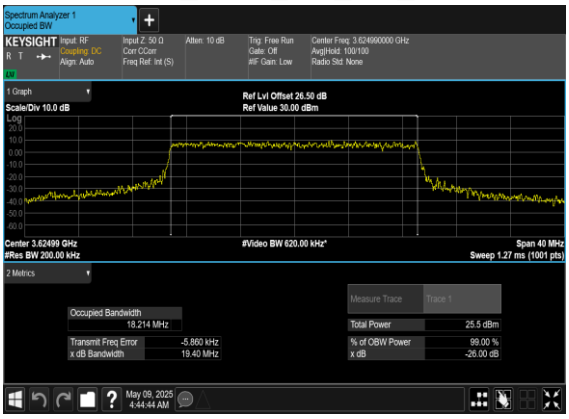
N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

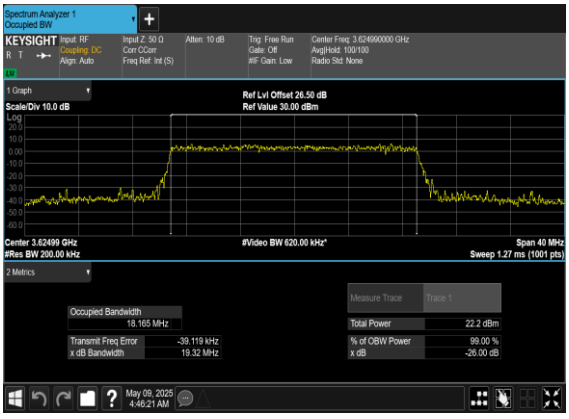


N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

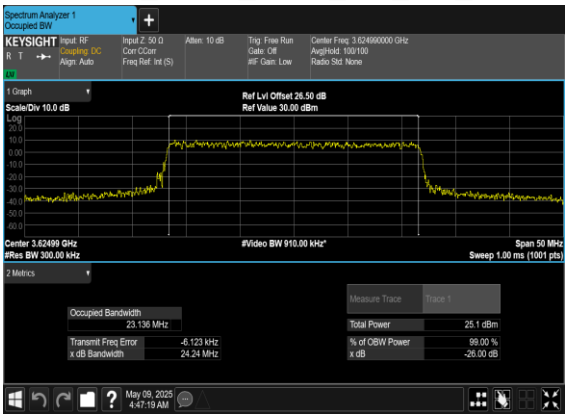


N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

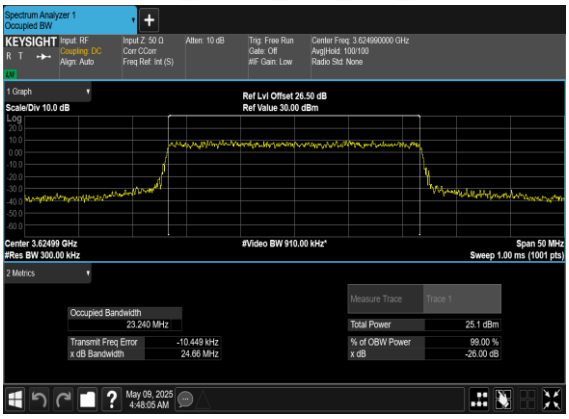
N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



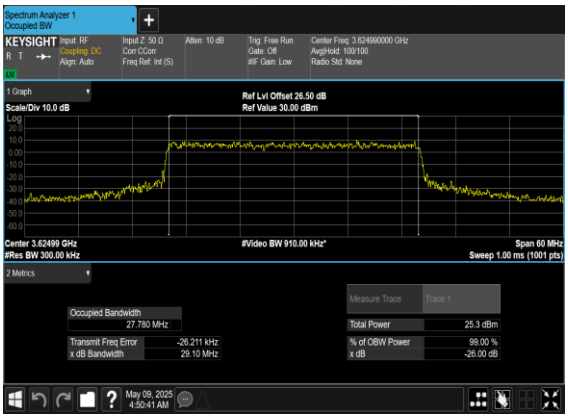
N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



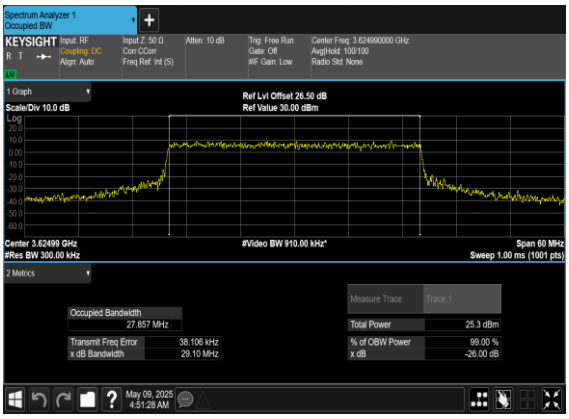
N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

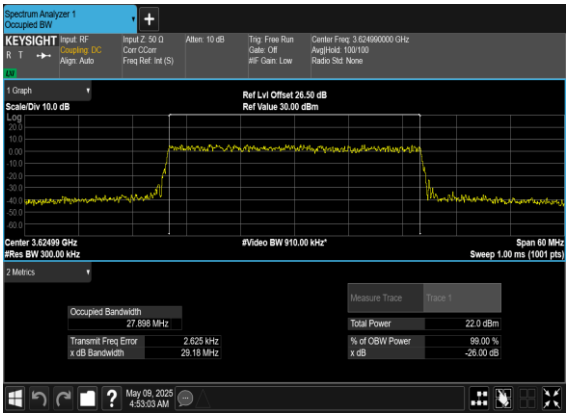


N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

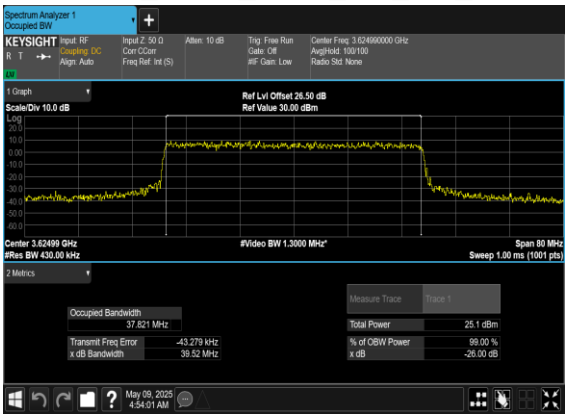


N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

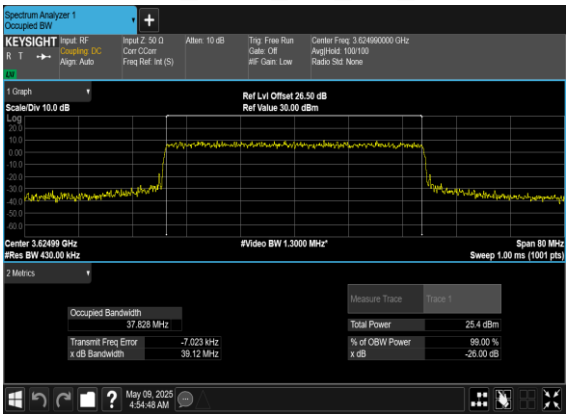
N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



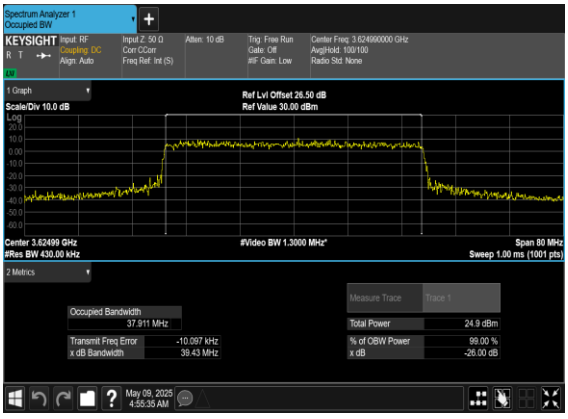
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



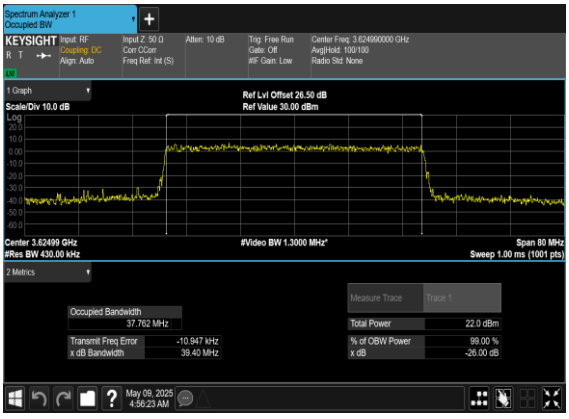
N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



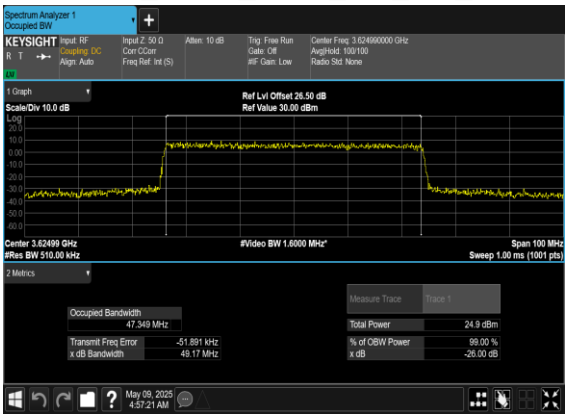
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



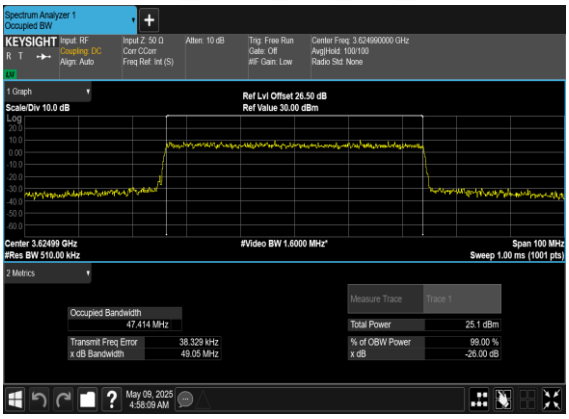
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



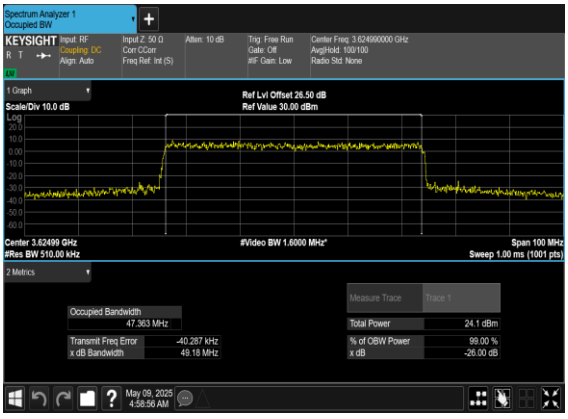
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



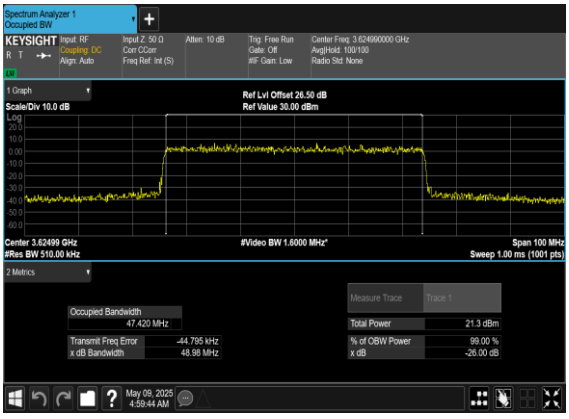
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



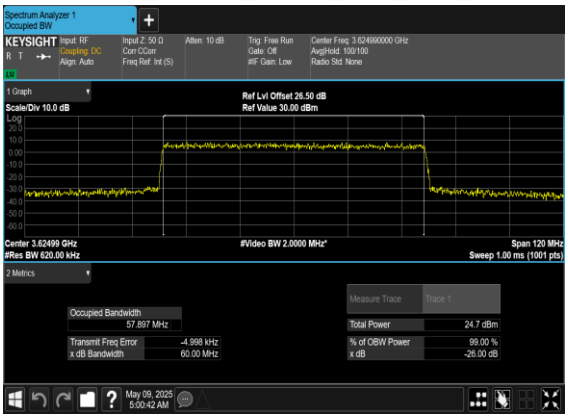
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

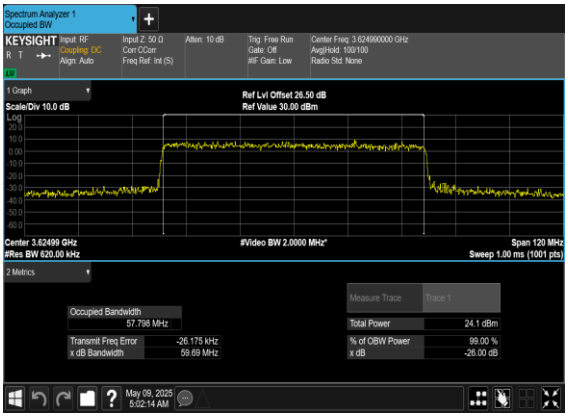


N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



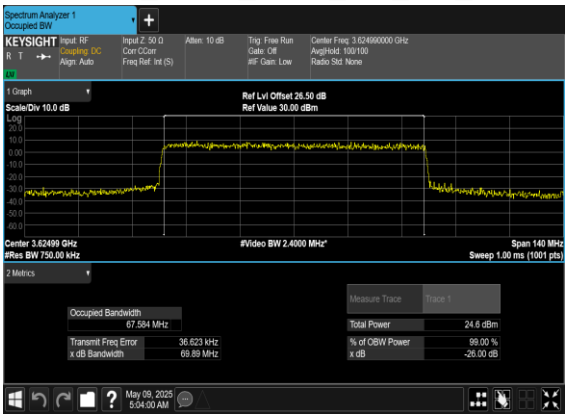
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

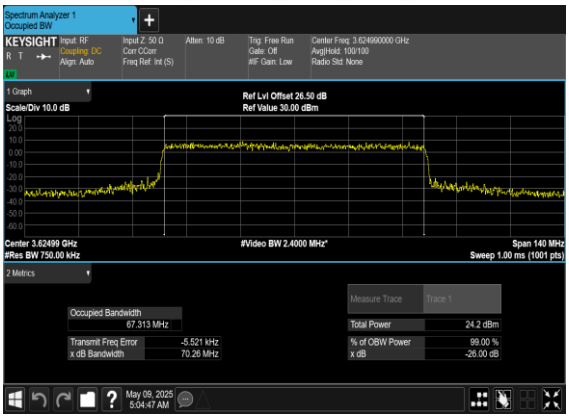


N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

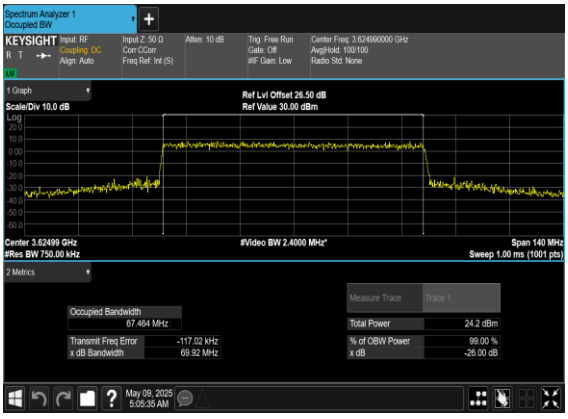
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

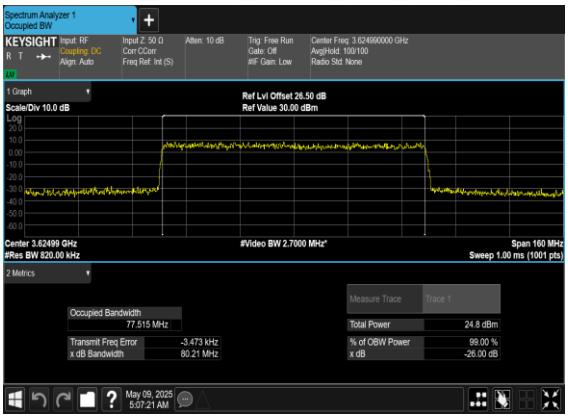


N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

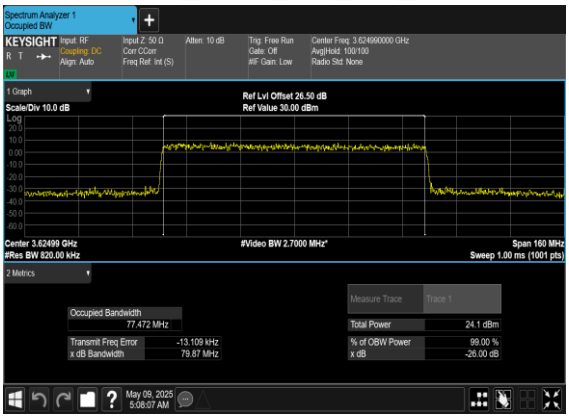


N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



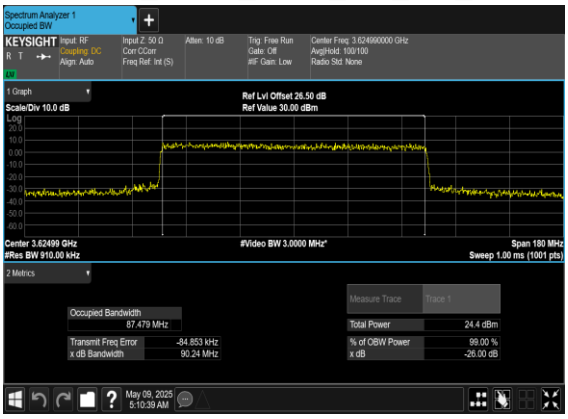
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



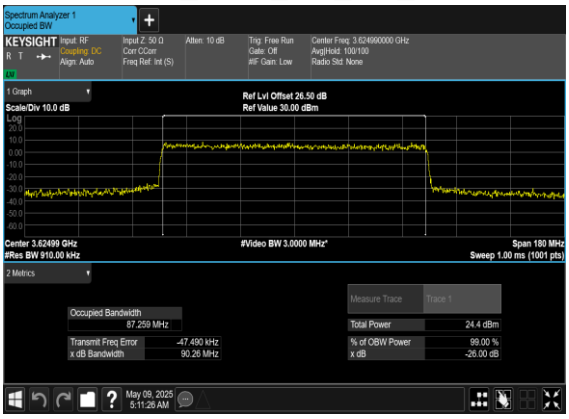
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

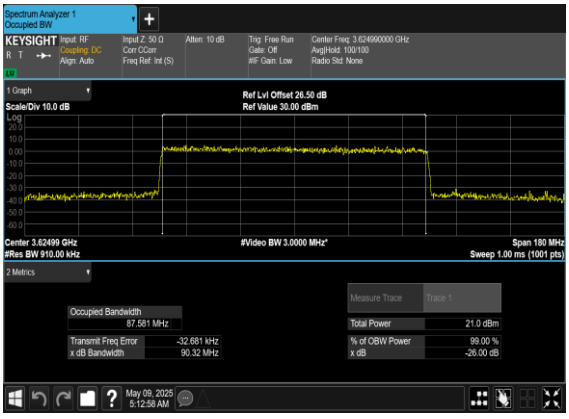


N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

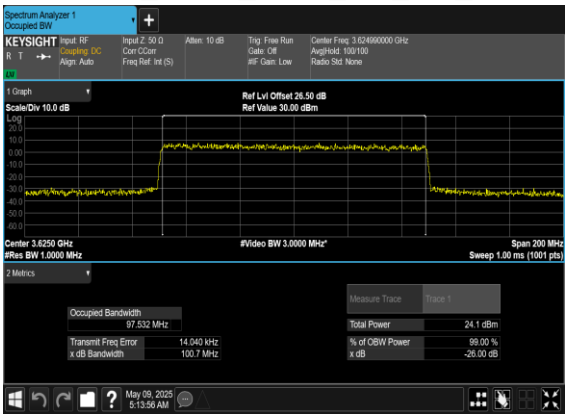


N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

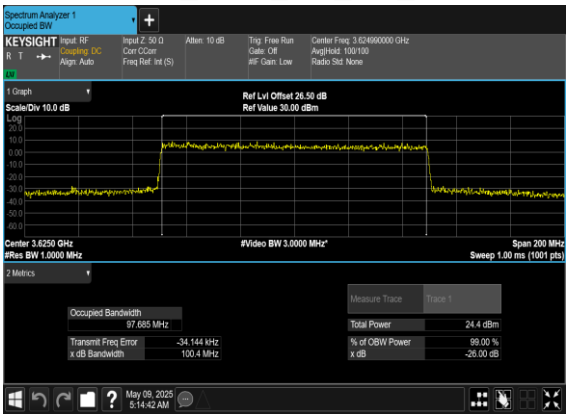
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



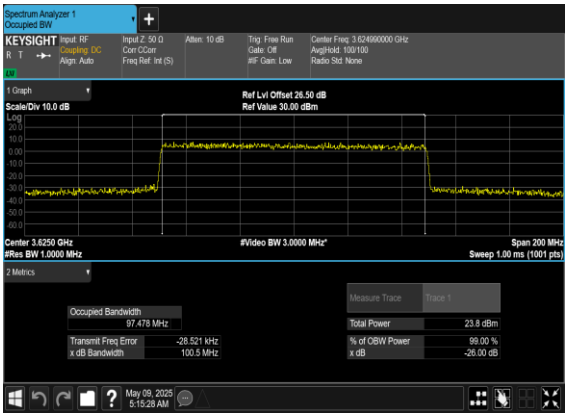
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



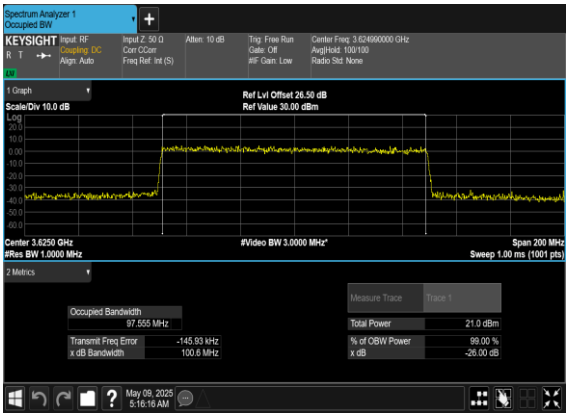
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



Adjacent Channel Leakage Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Lower Margin	Upper Margin	Result	Verdict
77	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	24@0	-12.95	-12.41	see graph	PASS
77	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	1@0	-10.97	-21.08	see graph	PASS
77	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	1@23	-20.61	-12.94	see graph	PASS
77	30	10	637000	3555.0	DFT-s-OFDM QPSK	24@0	-10.75	-11.17	see graph	PASS
77	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	-10.75	-20.86	see graph	PASS
77	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@23	-21.11	-12.51	see graph	PASS
77	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	24@0	-12.31	-12.06	see graph	PASS
77	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-9.95	-17.73	see graph	PASS
77	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@23	-17.61	-12.12	see graph	PASS
77	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	-10.03	-10.61	see graph	PASS
77	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	-9.83	-17.52	see graph	PASS
77	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@23	-17.89	-11.47	see graph	PASS
77	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	24@0	-11.38	-11.29	see graph	PASS
77	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@0	-9.94	-16.8	see graph	PASS
77	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@23	-16.67	-10.01	see graph	PASS
77	30	10	646332	3694.98	DFT-s-OFDM QPSK	24@0	-9.54	-9.2	see graph	PASS
77	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	-12.39	-17.81	see graph	PASS
77	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@23	-16.65	-9.92	see graph	PASS
77	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	36@0	-12.72	-14.62	see graph	PASS
77	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	1@0	-7.99	-19.21	see graph	PASS
77	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	1@37	-19.57	-10.08	see graph	PASS
77	30	15	637168	3557.52	DFT-s-OFDM QPSK	36@0	-10.71	-11.94	see graph	PASS
77	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@0	-7.9	-19.43	see graph	PASS
77	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@37	-20.06	-9.8	see graph	PASS
77	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	36@0	-11.83	-13.3	see graph	PASS
77	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-7.74	-17.04	see graph	PASS
77	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@37	-17.43	-10.86	see graph	PASS
77	30	15	641666	3624.99	DFT-s-OFDM QPSK	36@0	-9.38	-10.49	see graph	PASS
77	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@0	-8.9	-17.59	see graph	PASS
77	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@37	-15.34	-9.12	see graph	PASS
77	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	36@0	-11.16	-12.13	see graph	PASS
77	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	1@0	-9.03	-16.03	see graph	PASS
77	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	1@37	-16.29	-9.3	see graph	PASS
77	30	15	646166	3692.49	DFT-s-OFDM QPSK	36@0	-8.43	-9.31	see graph	PASS
77	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@0	-10.08	-16.73	see graph	PASS
77	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@37	-16.64	-9.01	see graph	PASS
77	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	50@0	-13.71	-13.68	see graph	PASS
77	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@0	-11.97	-18.65	see graph	PASS
77	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@50	-17.49	-12.36	see graph	PASS
77	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	-10.57	-11.5	see graph	PASS
77	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	-11.27	-15.78	see graph	PASS

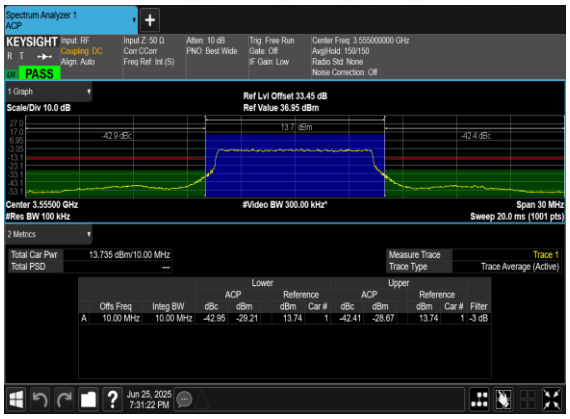
77	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@50	-19.36	-12.26	**see graph**	PASS
77	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@0	-11.69	-12.03	**see graph**	PASS
77	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-10.5	-15.4	**see graph**	PASS
77	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@50	-15.22	-12.29	**see graph**	PASS
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	-9.19	-9.92	**see graph**	PASS
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	-11.7	-15.76	**see graph**	PASS
77	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	-15.75	-12.4	**see graph**	PASS
77	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	50@0	-11.07	-11.17	**see graph**	PASS
77	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	1@0	-10.84	-14.64	**see graph**	PASS
77	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	1@50	-14.93	-11.36	**see graph**	PASS
77	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	-8.56	-8.57	**see graph**	PASS
77	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	-11.45	-14.83	**see graph**	PASS
77	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@50	-15.19	-11.62	**see graph**	PASS
77	30	25	647500	3562.5	DFT-s-OFDM PI/2 BPSK	64@0	-13.63	-13.75	**see graph**	PASS
77	30	25	647500	3562.5	DFT-s-OFDM PI/2 BPSK	1@0	-10.67	-16.78	**see graph**	PASS
77	30	25	647500	3562.5	DFT-s-OFDM PI/2 BPSK	1@64	-18.15	-13.28	**see graph**	PASS
77	30	25	647500	3562.5	DFT-s-OFDM QPSK	64@0	-10.73	-11.33	**see graph**	PASS
77	30	25	647500	3562.5	DFT-s-OFDM QPSK	1@0	-10.52	-16.98	**see graph**	PASS
77	30	25	647500	3562.5	DFT-s-OFDM QPSK	1@64	-16.28	-10.61	**see graph**	PASS
77	30	25	641666	3624.99	DFT-s-OFDM PI/2 BPSK	64@0	-11.84	-11.9	**see graph**	PASS
77	30	25	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-10.57	-15.28	**see graph**	PASS
77	30	25	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@64	-14.82	-11.5	**see graph**	PASS
77	30	25	641666	3624.99	DFT-s-OFDM QPSK	64@0	-9.14	-9.78	**see graph**	PASS
77	30	25	641666	3624.99	DFT-s-OFDM QPSK	1@0	-10.26	-14.12	**see graph**	PASS
77	30	25	641666	3624.99	DFT-s-OFDM QPSK	1@64	-13.9	-10.14	**see graph**	PASS
77	30	25	645832	3687.48	DFT-s-OFDM PI/2 BPSK	64@0	-11.13	-10.92	**see graph**	PASS
77	30	25	645832	3687.48	DFT-s-OFDM PI/2 BPSK	1@0	-10.29	-13.16	**see graph**	PASS
77	30	25	645832	3687.48	DFT-s-OFDM PI/2 BPSK	1@64	-14.72	-11.11	**see graph**	PASS
77	30	25	645832	3687.48	DFT-s-OFDM QPSK	64@0	-8.86	-8.54	**see graph**	PASS
77	30	25	645832	3687.48	DFT-s-OFDM QPSK	1@0	-10.56	-14.24	**see graph**	PASS
77	30	25	645832	3687.48	DFT-s-OFDM QPSK	1@64	-14.11	-10.56	**see graph**	PASS
77	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	75@0	-12.0	-11.95	**see graph**	PASS
77	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	1@0	-12.03	-14.01	**see graph**	PASS
77	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	1@77	-14.16	-12.79	**see graph**	PASS
77	30	30	637668	3565.02	DFT-s-OFDM QPSK	75@0	-10.0	-10.49	**see graph**	PASS
77	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@0	-11.93	-13.18	**see graph**	PASS
77	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@77	-13.64	-12.23	**see graph**	PASS
77	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	75@0	-11.35	-11.37	**see graph**	PASS
77	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-10.83	-11.83	**see graph**	PASS
77	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@77	-14.02	-12.55	**see graph**	PASS
77	30	30	641666	3624.99	DFT-s-OFDM QPSK	75@0	-9.4	-9.87	**see graph**	PASS
77	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@0	-13.17	-13.99	**see graph**	PASS
77	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@77	-13.82	-12.09	**see graph**	PASS
77	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	75@0	-10.7	-10.52	**see graph**	PASS
77	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	1@0	-11.88	-12.71	**see graph**	PASS

77	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	1@77	-13.71	-11.87	**see graph**	PASS
77	30	30	645666	3684.99	DFT-s-OFDM QPSK	75@0	-8.74	-8.58	**see graph**	PASS
77	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@0	-12.01	-12.4	**see graph**	PASS
77	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@77	-13.74	-11.96	**see graph**	PASS
77	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	100@0	-11.19	-10.86	**see graph**	PASS
77	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	1@0	-11.65	-12.66	**see graph**	PASS
77	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	1@105	-13.76	-12.05	**see graph**	PASS
77	30	40	638000	3570.0	DFT-s-OFDM QPSK	100@0	-9.49	-9.71	**see graph**	PASS
77	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	-11.43	-12.63	**see graph**	PASS
77	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@105	-13.83	-12.31	**see graph**	PASS
77	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	100@0	-10.54	-10.38	**see graph**	PASS
77	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-11.13	-12.21	**see graph**	PASS
77	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@105	-12.61	-10.84	**see graph**	PASS
77	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	-8.6	-8.97	**see graph**	PASS
77	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	-12.2	-12.92	**see graph**	PASS
77	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@105	-11.47	-9.81	**see graph**	PASS
77	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	100@0	-9.83	-9.5	**see graph**	PASS
77	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@0	-10.38	-11.24	**see graph**	PASS
77	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@105	-12.66	-10.56	**see graph**	PASS
77	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	-8.13	-7.82	**see graph**	PASS
77	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	-10.38	-10.89	**see graph**	PASS
77	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@105	-12.77	-10.86	**see graph**	PASS
77	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	128@0	-10.29	-9.42	**see graph**	PASS
77	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	1@0	-10.68	-10.58	**see graph**	PASS
77	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	1@132	-10.89	-9.92	**see graph**	PASS
77	30	50	638334	3575.01	DFT-s-OFDM QPSK	128@0	-9.14	-8.77	**see graph**	PASS
77	30	50	638334	3575.01	DFT-s-OFDM QPSK	1@0	-10.34	-10.21	**see graph**	PASS
77	30	50	638334	3575.01	DFT-s-OFDM QPSK	1@132	-11.18	-10.25	**see graph**	PASS
77	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	128@0	-9.78	-8.98	**see graph**	PASS
77	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-9.91	-9.35	**see graph**	PASS
77	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@132	-10.2	-8.86	**see graph**	PASS
77	30	50	641666	3624.99	DFT-s-OFDM QPSK	128@0	-8.68	-8.22	**see graph**	PASS
77	30	50	641666	3624.99	DFT-s-OFDM QPSK	1@0	-10.69	-9.98	**see graph**	PASS
77	30	50	641666	3624.99	DFT-s-OFDM QPSK	1@132	-10.26	-8.91	**see graph**	PASS
77	30	50	645000	3675.0	DFT-s-OFDM PI/2 BPSK	128@0	-8.8	-8.19	**see graph**	PASS
77	30	50	645000	3675.0	DFT-s-OFDM PI/2 BPSK	1@0	-11.47	-10.55	**see graph**	PASS
77	30	50	645000	3675.0	DFT-s-OFDM PI/2 BPSK	1@132	-7.96	-6.48	**see graph**	PASS
77	30	50	645000	3675.0	DFT-s-OFDM QPSK	128@0	-8.07	-7.5	**see graph**	PASS
77	30	50	645000	3675.0	DFT-s-OFDM QPSK	1@0	-10.93	-10.13	**see graph**	PASS
77	30	50	645000	3675.0	DFT-s-OFDM QPSK	1@132	-9.94	-8.43	**see graph**	PASS
77	30	60	638668	3580.02	DFT-s-OFDM PI/2 BPSK	162@0	-11.34	-9.54	**see graph**	PASS
77	30	60	638668	3580.02	DFT-s-OFDM PI/2 BPSK	1@0	-8.15	-8.97	**see graph**	PASS
77	30	60	638668	3580.02	DFT-s-OFDM PI/2 BPSK	1@161	-13.43	-9.35	**see graph**	PASS
77	30	60	638668	3580.02	DFT-s-OFDM QPSK	162@0	-9.91	-8.72	**see graph**	PASS
77	30	60	638668	3580.02	DFT-s-OFDM QPSK	1@0	-10.95	-11.2	**see graph**	PASS

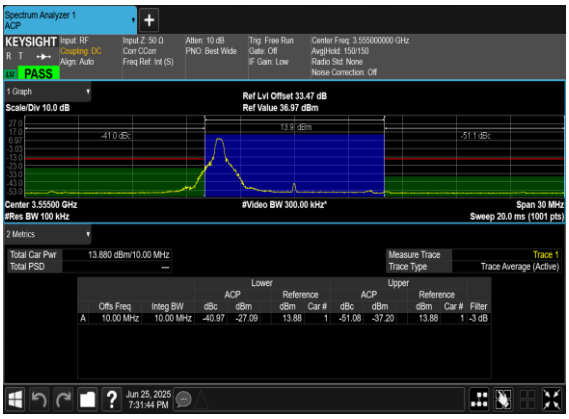
77	30	60	638668	3580.02	DFT-s-OFDM QPSK	1@161	-13.44	-9.15	**see graph**	PASS
77	30	60	641666	3624.99	DFT-s-OFDM PI/2 BPSK	162@0	-9.15	-8.28	**see graph**	PASS
77	30	60	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-8.0	-9.22	**see graph**	PASS
77	30	60	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@161	-10.54	-8.19	**see graph**	PASS
77	30	60	641666	3624.99	DFT-s-OFDM QPSK	162@0	-7.84	-7.27	**see graph**	PASS
77	30	60	641666	3624.99	DFT-s-OFDM QPSK	1@0	-9.34	-9.96	**see graph**	PASS
77	30	60	641666	3624.99	DFT-s-OFDM QPSK	1@161	-11.46	-8.86	**see graph**	PASS
77	30	60	644666	3669.99	DFT-s-OFDM PI/2 BPSK	162@0	-8.06	-7.37	**see graph**	PASS
77	30	60	644666	3669.99	DFT-s-OFDM PI/2 BPSK	1@0	-8.52	-9.15	**see graph**	PASS
77	30	60	644666	3669.99	DFT-s-OFDM PI/2 BPSK	1@161	-11.61	-9.08	**see graph**	PASS
77	30	60	644666	3669.99	DFT-s-OFDM QPSK	162@0	-6.9	-6.16	**see graph**	PASS
77	30	60	644666	3669.99	DFT-s-OFDM QPSK	1@0	-8.11	-8.29	**see graph**	PASS
77	30	60	644666	3669.99	DFT-s-OFDM QPSK	1@161	-11.4	-8.83	**see graph**	PASS
77	30	70	639000	3585.0	DFT-s-OFDM PI/2 BPSK	180@0	-10.87	-8.88	**see graph**	PASS
77	30	70	639000	3585.0	DFT-s-OFDM PI/2 BPSK	1@0	-11.54	-9.82	**see graph**	PASS
77	30	70	639000	3585.0	DFT-s-OFDM PI/2 BPSK	1@188	-12.93	-9.45	**see graph**	PASS
77	30	70	639000	3585.0	DFT-s-OFDM QPSK	180@0	-9.56	-8.22	**see graph**	PASS
77	30	70	639000	3585.0	DFT-s-OFDM QPSK	1@0	-11.71	-9.65	**see graph**	PASS
77	30	70	639000	3585.0	DFT-s-OFDM QPSK	1@188	-11.76	-8.28	**see graph**	PASS
77	30	70	641666	3624.99	DFT-s-OFDM PI/2 BPSK	180@0	-8.6	-7.68	**see graph**	PASS
77	30	70	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-9.4	-8.48	**see graph**	PASS
77	30	70	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@188	-8.8	-6.96	**see graph**	PASS
77	30	70	641666	3624.99	DFT-s-OFDM QPSK	180@0	-7.57	-6.99	**see graph**	PASS
77	30	70	641666	3624.99	DFT-s-OFDM QPSK	1@0	-10.4	-9.78	**see graph**	PASS
77	30	70	641666	3624.99	DFT-s-OFDM QPSK	1@188	-11.27	-9.39	**see graph**	PASS
77	30	70	644332	3664.98	DFT-s-OFDM PI/2 BPSK	180@0	-7.47	-6.86	**see graph**	PASS
77	30	70	644332	3664.98	DFT-s-OFDM PI/2 BPSK	1@0	-9.91	-9.15	**see graph**	PASS
77	30	70	644332	3664.98	DFT-s-OFDM PI/2 BPSK	1@188	-9.19	-7.16	**see graph**	PASS
77	30	70	644332	3664.98	DFT-s-OFDM QPSK	180@0	-6.6	-6.17	**see graph**	PASS
77	30	70	644332	3664.98	DFT-s-OFDM QPSK	1@0	-9.49	-8.9	**see graph**	PASS
77	30	70	644332	3664.98	DFT-s-OFDM QPSK	1@188	-9.69	-7.68	**see graph**	PASS
77	30	80	639334	3590.01	DFT-s-OFDM PI/2 BPSK	216@0	-10.18	-7.86	**see graph**	PASS
77	30	80	639334	3590.01	DFT-s-OFDM PI/2 BPSK	1@0	-10.87	-9.42	**see graph**	PASS
77	30	80	639334	3590.01	DFT-s-OFDM PI/2 BPSK	1@216	-11.65	-7.9	**see graph**	PASS
77	30	80	639334	3590.01	DFT-s-OFDM QPSK	216@0	-8.86	-7.2	**see graph**	PASS
77	30	80	639334	3590.01	DFT-s-OFDM QPSK	1@0	-10.16	-8.44	**see graph**	PASS
77	30	80	639334	3590.01	DFT-s-OFDM QPSK	1@216	-10.93	-7.18	**see graph**	PASS
77	30	80	641666	3624.99	DFT-s-OFDM PI/2 BPSK	216@0	-8.04	-6.78	**see graph**	PASS
77	30	80	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-8.15	-7.57	**see graph**	PASS
77	30	80	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@216	-10.38	-8.2	**see graph**	PASS
77	30	80	641666	3624.99	DFT-s-OFDM QPSK	216@0	-6.93	-5.93	**see graph**	PASS
77	30	80	641666	3624.99	DFT-s-OFDM QPSK	1@0	-8.89	-8.14	**see graph**	PASS
77	30	80	641666	3624.99	DFT-s-OFDM QPSK	1@216	-8.62	-6.62	**see graph**	PASS
77	30	80	644000	3660.0	DFT-s-OFDM PI/2 BPSK	216@0	-6.95	-6.0	**see graph**	PASS
77	30	80	644000	3660.0	DFT-s-OFDM PI/2 BPSK	1@0	-8.88	-8.04	**see graph**	PASS

77	30	80	644000	3660.0	DFT-s-OFDM PI/2 BPSK	1@216	-9.91	-7.63	**see graph**	PASS
77	30	80	644000	3660.0	DFT-s-OFDM QPSK	216@0	-6.09	-5.28	**see graph**	PASS
77	30	80	644000	3660.0	DFT-s-OFDM QPSK	1@0	-8.2	-7.3	**see graph**	PASS
77	30	80	644000	3660.0	DFT-s-OFDM QPSK	1@216	-9.83	-7.58	**see graph**	PASS
77	30	90	639668	3595.02	DFT-s-OFDM PI/2 BPSK	240@0	-9.53	-7.3	**see graph**	PASS
77	30	90	639668	3595.02	DFT-s-OFDM PI/2 BPSK	1@0	-10.44	-8.97	**see graph**	PASS
77	30	90	639668	3595.02	DFT-s-OFDM PI/2 BPSK	1@244	-11.33	-7.35	**see graph**	PASS
77	30	90	639668	3595.02	DFT-s-OFDM QPSK	240@0	-8.72	-6.85	**see graph**	PASS
77	30	90	639668	3595.02	DFT-s-OFDM QPSK	1@0	-10.33	-8.41	**see graph**	PASS
77	30	90	639668	3595.02	DFT-s-OFDM QPSK	1@244	-10.76	-6.68	**see graph**	PASS
77	30	90	641666	3624.99	DFT-s-OFDM PI/2 BPSK	240@0	-8.9	-6.6	**see graph**	PASS
77	30	90	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-9.49	-8.56	**see graph**	PASS
77	30	90	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@244	-11.77	-7.38	**see graph**	PASS
77	30	90	641666	3624.99	DFT-s-OFDM QPSK	240@0	-7.57	-5.89	**see graph**	PASS
77	30	90	641666	3624.99	DFT-s-OFDM QPSK	1@0	-9.8	-7.76	**see graph**	PASS
77	30	90	641666	3624.99	DFT-s-OFDM QPSK	1@244	-11.36	-7.01	**see graph**	PASS
77	30	90	643666	3654.99	DFT-s-OFDM PI/2 BPSK	240@0	-6.81	-5.86	**see graph**	PASS
77	30	90	643666	3654.99	DFT-s-OFDM PI/2 BPSK	1@0	-7.75	-6.78	**see graph**	PASS
77	30	90	643666	3654.99	DFT-s-OFDM PI/2 BPSK	1@244	-9.89	-7.27	**see graph**	PASS
77	30	90	643666	3654.99	DFT-s-OFDM QPSK	240@0	-6.03	-5.25	**see graph**	PASS
77	30	90	643666	3654.99	DFT-s-OFDM QPSK	1@0	-7.93	-6.98	**see graph**	PASS
77	30	90	643666	3654.99	DFT-s-OFDM QPSK	1@244	-10.52	-8.0	**see graph**	PASS
77	30	100	640000	3600.0	DFT-s-OFDM PI/2 BPSK	270@0	-9.13	-6.51	**see graph**	PASS
77	30	100	640000	3600.0	DFT-s-OFDM PI/2 BPSK	1@0	-9.79	-8.15	**see graph**	PASS
77	30	100	640000	3600.0	DFT-s-OFDM PI/2 BPSK	1@272	-10.75	-6.17	**see graph**	PASS
77	30	100	640000	3600.0	DFT-s-OFDM QPSK	270@0	-8.26	-6.04	**see graph**	PASS
77	30	100	640000	3600.0	DFT-s-OFDM QPSK	1@0	-9.52	-7.27	**see graph**	PASS
77	30	100	640000	3600.0	DFT-s-OFDM QPSK	1@272	-10.8	-6.35	**see graph**	PASS
77	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	270@0	-8.49	-5.91	**see graph**	PASS
77	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-9.8	-8.1	**see graph**	PASS
77	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@272	-11.27	-6.89	**see graph**	PASS
77	30	100	641666	3624.99	DFT-s-OFDM QPSK	270@0	-7.3	-5.2	**see graph**	PASS
77	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@0	-9.31	-7.54	**see graph**	PASS
77	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@272	-10.73	-6.07	**see graph**	PASS
77	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	270@0	-7.3	-5.35	**see graph**	PASS
77	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@0	-8.55	-6.45	**see graph**	PASS
77	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@272	-11.42	-6.74	**see graph**	PASS
77	30	100	643332	3649.98	DFT-s-OFDM QPSK	270@0	-6.32	-4.72	**see graph**	PASS
77	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@0	-9.14	-6.86	**see graph**	PASS
77	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@272	-11.56	-6.98	**see graph**	PASS

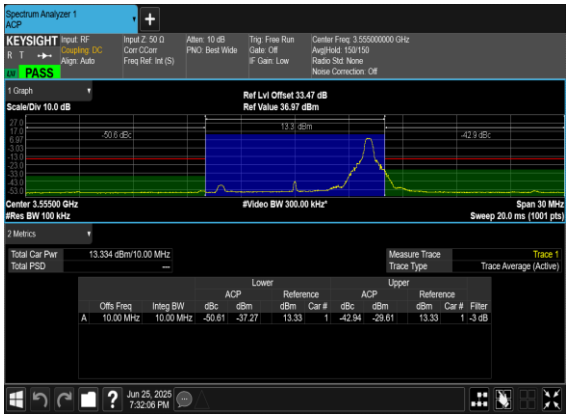
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



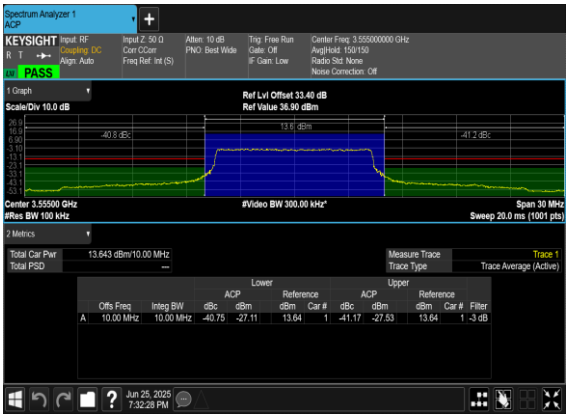
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



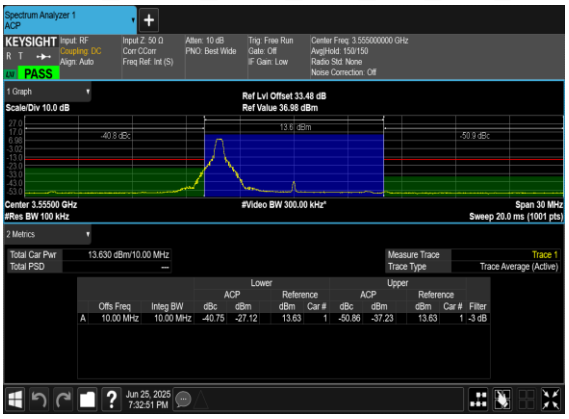
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_Low_CH



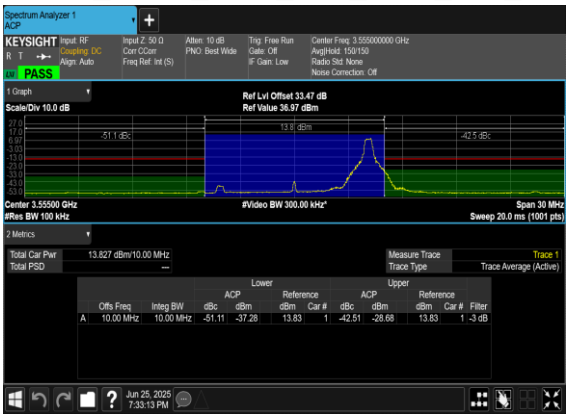
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



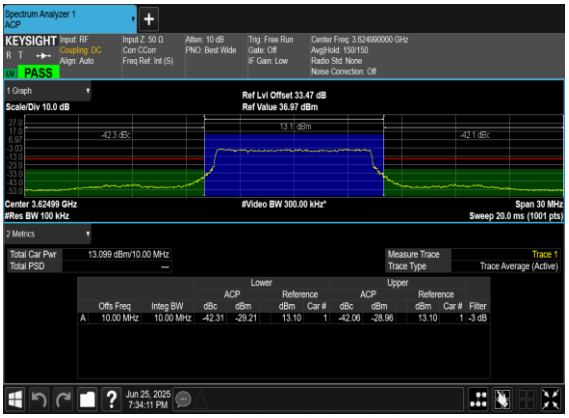
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



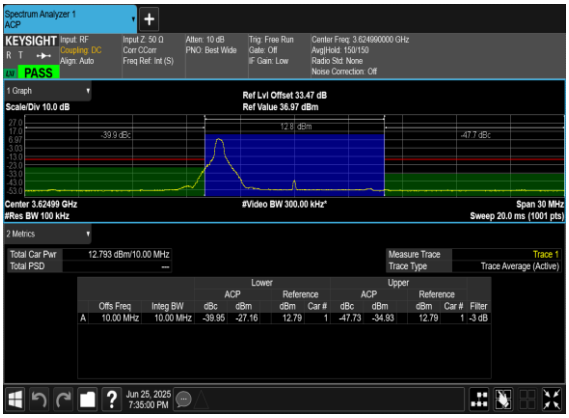
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



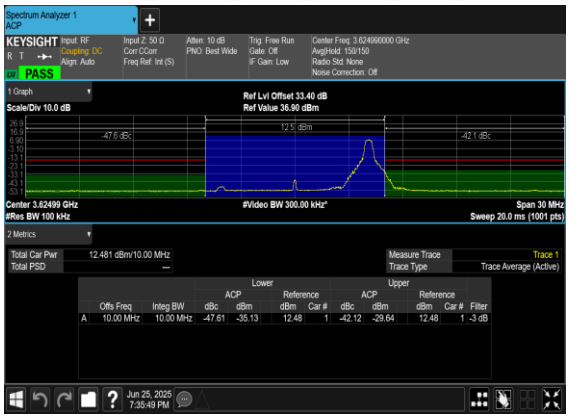
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



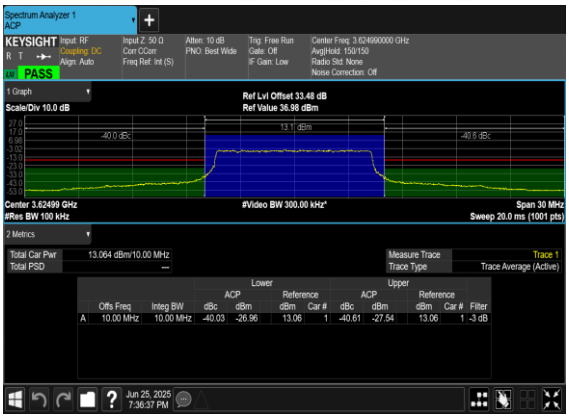
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



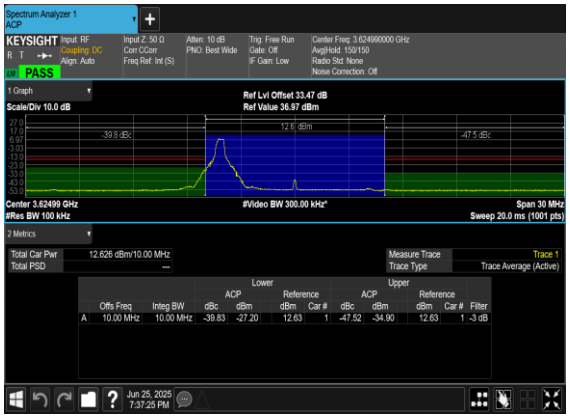
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_Mid_CH



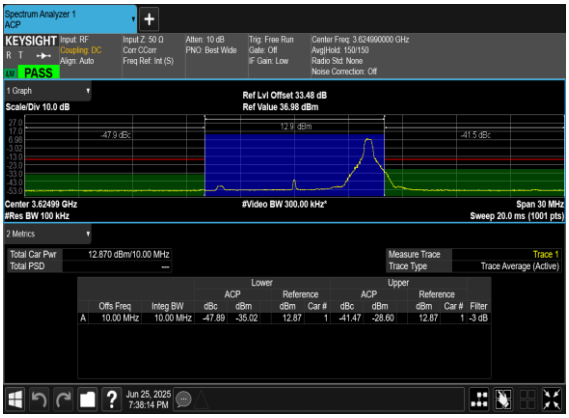
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



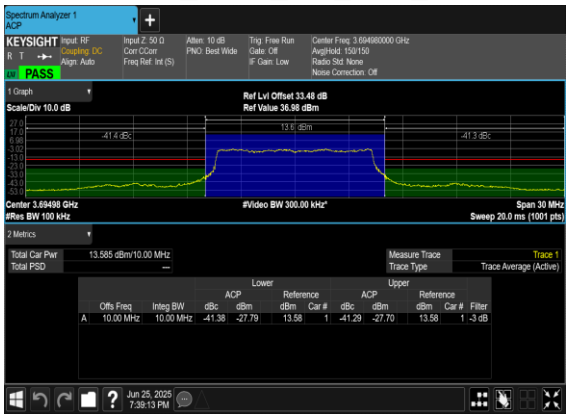
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



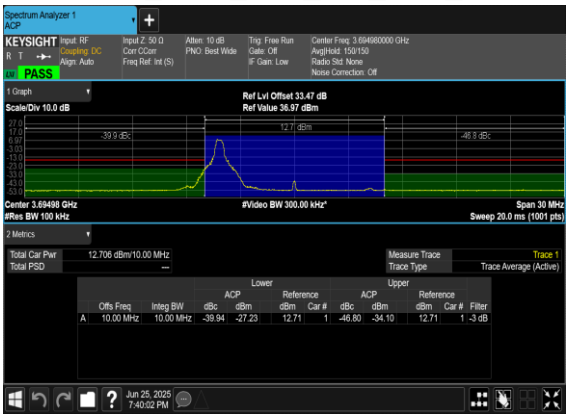
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



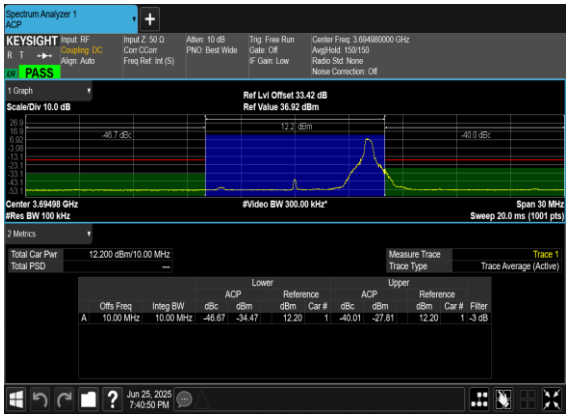
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



N77(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH

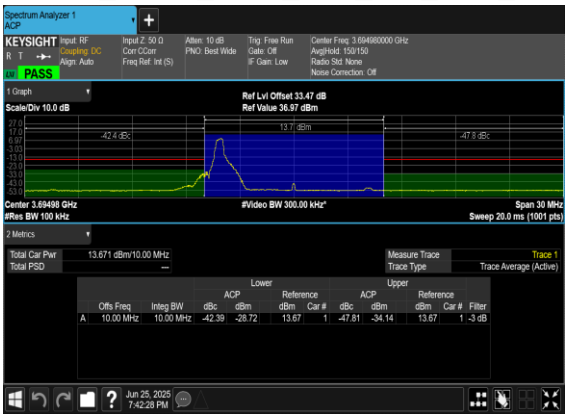


N77(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_High_CH

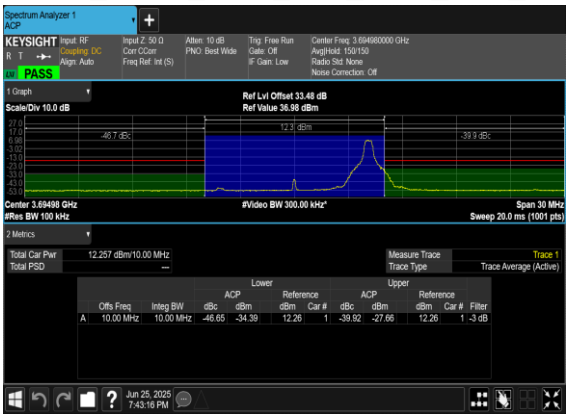


N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

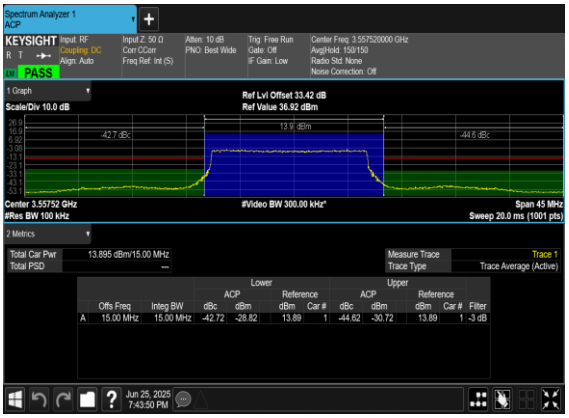
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



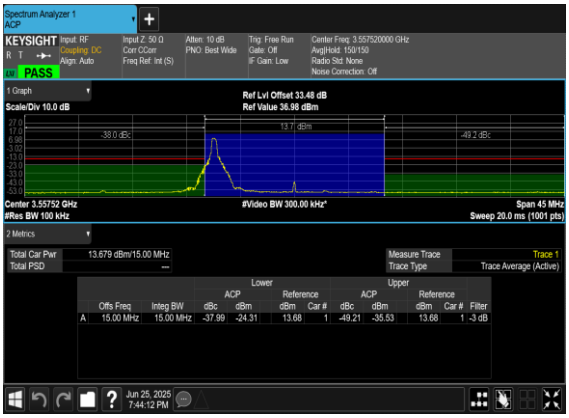
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



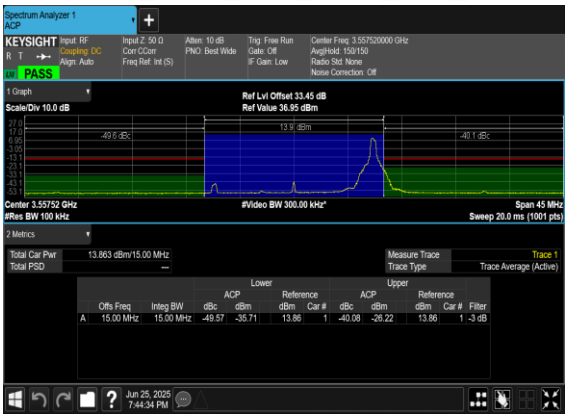
N77(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



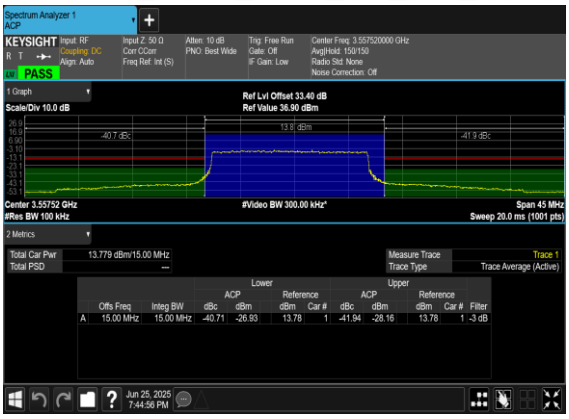
N77(15M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



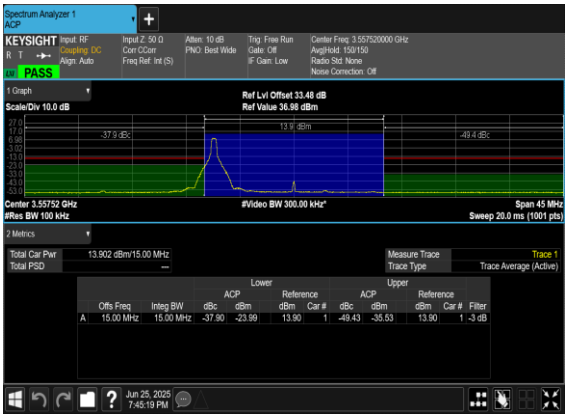
N77(15M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_Low_CH



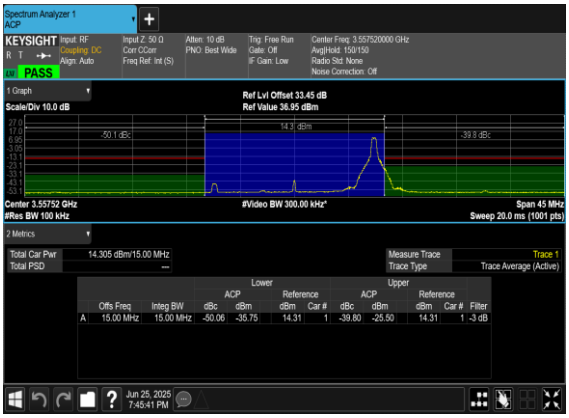
N77(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



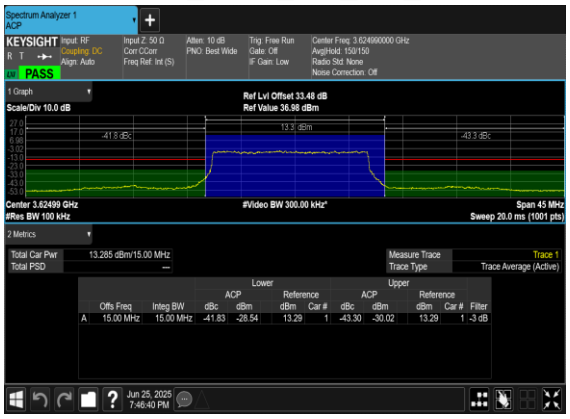
N77(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



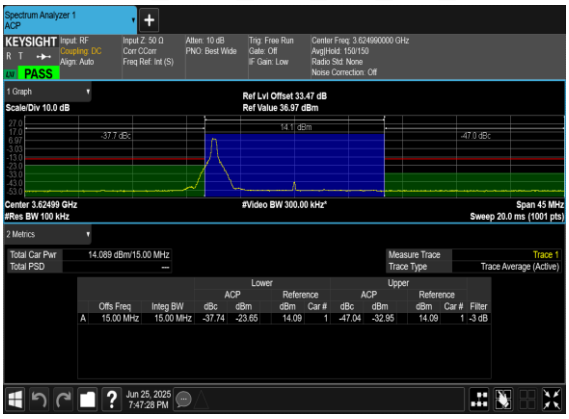
N77(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



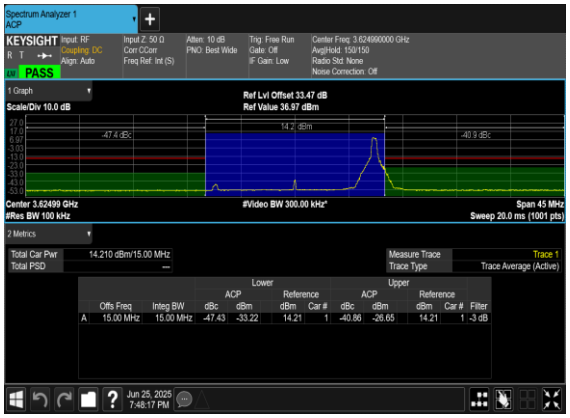
N77(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N77(15M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N77(15M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_Mid_CH



N77(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH