TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 27** **47 CFR FCC Part 2**
Report No.:	RFBCMA-WTW-P23030799-11
FCC ID:	RAXTMOG4AR
Product:	5G Gateway
Brand:	T-Mobile
Model No.:	TMO-G4AR
Received Date:	2023/3/15
Test Date:	2023/4/11 ~ 2023/5/23
Issued Date:	2023/5/24
Applicant:	Arcadyan Technology Corporation
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Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
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FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** 2023/5/24

Jeremy Lin / Project Engineer

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Prepared by : Vera Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCMA-WTW-P23030799-11	Original Release	2023/5/24

1 Certificate

Product:	5G Gateway
Brand:	T-Mobile
Test Model:	TMO-G4AR
Sample Status:	Engineering Sample
Applicant:	Arcadyan Technology Corporation
Test Date:	2023/4/11 ~ 2023/5/23
Standard:	47 CFR FCC Part 27
	47 CFR FCC Part 2
Measurement procedure:	ANSI/TIA/EIA-603-E 2016
	ANSI C63.26-2015
	KDB 971168 D01 Power Meas License Digital Systems v03r01
	KDB 971168 D02 Misc Rev Approv License Devices v02r01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 27 47 CFR FCC Part 2			
Standard / Clause	Test Item	Result	Remark
FCC 47 CFR Part 2.1046 FCC 47 CFR Part 27.50 (j) FCC 47 CFR Part 27.50 (k)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
FCC 47 CFR Part 27.50 (j) FCC 47 CFR Part 27.50 (k)	Peak to Average Ratio	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1049	Bandwidth	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1051 FCC 47 CFR Part 27.53 (l) FCC 47 CFR Part 27.53 (n)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1053 FCC 47 CFR Part 27.53 (l) FCC 47 CFR Part 27.53 (n)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -31.62 dB at 89.17 MHz
FCC 47 CFR Part 2.1053 FCC 47 CFR Part 27.53 (l) FCC 47 CFR Part 27.53 (n)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -29.16 dB at 7950.00 MHz
FCC 47 CFR Part 2.1055 FCC 47 CFR Part 27.54	Frequency Stability	Pass	Meet the requirement of limit.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Parameter	Specification	Uncertainty (±)
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	2.44 dB
	30 MHz ~ 1 GHz	2.95 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	5G Gateway
Brand	T-Mobile
Test Model	TMO-G4AR
Status of EUT	Engineering Sample
Power Supply Rating	20Vdc or 15Vdc or 12Vdc or 9Vdc or 5Vdc (From adapter)

Note:

1. The EUT supports the following configuration.

5GNR	FCC 5G FR1			Representative for fonal test	
	Band	SCS	Bandwidth (MHz)	ERP/EIRP test	All tests except ERP/EIRP
	n77	15kHz	10/15/20/40/50	v	-
		30kHz	10/15/20/30/40/50/60/70/80/90/100	v	v

* After verification, max. power was the worst case and chosen for final test.

2. EUT Overview.

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
For Part 27Q - SCS 15kHz						
n77 (Channel Bandwidth 10MHz)	3455.01-3544.995	767.361mW (28.85dBm)	749.894mW (28.75dBm)	744.732mW (28.72dBm)	580.764mW (27.64dBm)	361.410mW (25.58dBm)
n77 (Channel Bandwidth 15MHz)	3457.50-3542.49	787.046mW (28.96dBm)	758.578mW (28.80dBm)	731.139mW (28.64dBm)	567.545mW (27.54dBm)	366.438mW (25.64dBm)
n77 (Channel Bandwidth 20MHz)	3460.005-3540.00	751.623mW (28.76dBm)	758.578mW (28.80dBm)	724.436mW (28.60dBm)	571.479mW (27.57dBm)	368.978mW (25.67dBm)
n77 (Channel Bandwidth 40MHz)	3470.01-3529.995	769.130mW (28.86dBm)	758.578mW (28.80dBm)	731.139 mW (28.64dBm)	578.096mW (27.62dBm)	365.595mW (25.63dBm)
n77 (Channel Bandwidth 50MHz)	3475.005-3525.00	792.501mW (28.99dBm)	758.578mW (28.80dBm)	739.605mW (28.69dBm)	578.096mW (27.62dBm)	365.595mW (25.63dBm)
For Part 27Q - SCS 30kHz						
n77 (Channel Bandwidth 10MHz)	3455.01-3544.98	785.236mW (28.95dBm)	763.836mW (28.83dBm)	623.735mW (27.95dBm)	481.948mW (26.83dBm)	291.072mW (24.64dBm)
n77 (Channel Bandwidth 15MHz)	3457.50-3542.49	794.328mW (29.00dBm)	756.833mW (28.79dBm)	618.016mW (27.91dBm)	466.659mW (26.69dBm)	293.765mW (24.68dBm)
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	790.679mW (28.98dBm)	769.130mW (28.86dBm)	612.350mW (27.87dBm)	472.063mW (26.74dBm)	295.801mW (24.71dBm)
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	781.628mW (28.93dBm)	767.361mW (28.85dBm)	609.537mW (27.85dBm)	475.335mW (26.77dBm)	296.483mW (24.72dBm)
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	772.681mW (28.88dBm)	762.079mW (28.82dBm)	610.942mW (27.86dBm)	477.529mW (26.79dBm)	289.068mW (24.61dBm)
n77 (Channel Bandwidth 50MHz)	3475.02-3525.00	788.860mW (28.97dBm)	756.833mW (28.79dBm)	615.177mW (27.89dBm)	470.977mW (26.73dBm)	289.068mW (24.61dBm)
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	788.860mW (28.97dBm)	765.597mW (28.84dBm)	602.560mW (27.80dBm)	473.151mW (26.75dBm)	295.801mW (24.71dBm)
n77 (Channel Bandwidth 70MHz)	3485.01-3514.98	781.628mW (28.93dBm)	762.079mW (28.82dBm)	601.174mW (27.79dBm)	476.431mW (26.78dBm)	291.072mW (24.64dBm)
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	770.903mW (28.87dBm)	785.236mW (28.95dBm)	620.869mW (27.93dBm)	478.630mW (26.80dBm)	289.068mW (24.61dBm)
n77 (Channel Bandwidth 90MHz)	3495.00-3504.99	776.247mW (28.90dBm)	767.361mW (28.85dBm)	619.441mW (27.92dBm)	473.151mW (26.75dBm)	293.765mW (24.68dBm)
n77 (Channel Bandwidth 100MHz)	3500.01	797.995mW (29.02dBm)	732.825mW (28.65dBm)	608.135mW (27.84dBm)	461.318mW (26.64dBm)	292.415mW (24.66dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
For Part 27O - SCS 15kHz						
n77 (Channel Bandwidth 10MHz)	3705.00-3975.00	779.830mW (28.92dBm)	755.092mW (28.78dBm)	734.514mW (28.66dBm)	580.764mW (27.64dBm)	363.078mW (25.60dBm)
n77 (Channel Bandwidth 15MHz)	3707.505-3972.495	772.681mW (28.88dBm)	746.449mW (28.73dBm)	711.214mW (28.52dBm)	575.440mW (27.60dBm)	355.631mW (25.51dBm)
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	790.679mW (28.98dBm)	755.092mW (28.78dBm)	716.143mW (28.55dBm)	582.103mW (27.65dBm)	360.579mW (25.57dBm)
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	765.597mW (28.84dBm)	756.833mW (28.79dBm)	744.732mW (28.72dBm)	571.479mW (27.57dBm)	359.749mW (25.56dBm)
n77 (Channel Bandwidth 50MHz)	3725.01-3954.99	760.326mW (28.81dBm)	756.833mW (28.79dBm)	736.207mW (28.67dBm)	588.844mW (27.70dBm)	363.078mW (25.60dBm)
For Part 27O - SCS 30kHz						
n77 (Channel Bandwidth 10MHz)	3705.00-3975.00	790.679mW (28.98dBm)	769.130mW (28.86dBm)	606.736mW (27.83dBm)	477.529mW (26.79dBm)	287.078mW (24.58dBm)
n77 (Channel Bandwidth 15MHz)	3707.52-3972.48	779.830mW (28.92dBm)	770.903 mW (28.87dBm)	612.350mW (27.87dBm)	468.813mW (26.71dBm)	292.415mW (24.66dBm)
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	781.628mW (28.93dBm)	762.079mW (28.82dBm)	615.177mW (27.89dBm)	474.242mW (26.76dBm)	288.403mW (24.60dBm)
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	801.678mW (29.04dBm)	763.836mW (28.83dBm)	619.441mW (27.92dBm)	470.977mW (26.73dBm)	291.072mW (24.64dBm)
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	792.501mW (28.99dBm)	762.079mW (28.82dBm)	618.016mW (27.91dBm)	473.151mW (26.75dBm)	290.402mW (24.63dBm)
n77 (Channel Bandwidth 50MHz)	3725.01-3954.99	787.046mW (28.96dBm)	779.830mW (28.92dBm)	609.537mW (27.85dBm)	477.529mW (26.79dBm)	294.442mW (24.69dBm)
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	769.130mW (28.86dBm)	758.578mW (28.80dBm)	618.016mW (27.91dBm)	474.242mW (26.76dBm)	291.072mW (24.64dBm)
n77 (Channel Bandwidth 70MHz)	3735.00-3945.00	776.247mW (28.90dBm)	776.247mW (28.90dBm)	615.177mW (27.89dBm)	475.335mW (26.77dBm)	293.765mW (24.68dBm)
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	792.501mW (28.99dBm)	758.578mW (28.80dBm)	616.595mW (27.90dBm)	468.813mW (26.71dBm)	294.442mW (24.69dBm)
n77 (Channel Bandwidth 90MHz)	3745.02-3934.98	781.628mW (28.93dBm)	769.130mW (28.86dBm)	618.016mW (27.91dBm)	478.630mW (26.80dBm)	291.743mW (24.65dBm)
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	803.526mW (29.05dBm)	779.830mW (28.92dBm)	618.016mW (27.91dBm)	473.151mW (26.75dBm)	291.072mW (24.64dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator				
		BPSK	QPSK	16QAM	64QAM	256QAM
For Part 27Q, SCS 30kHz (Ant.: M1)						
n77 (Channel Bandwidth 10MHz)	3455.01-3544.98	8M57G7D	8M60G7D	8M57D7W	8M57D7W	8M58D7W
n77 (Channel Bandwidth 15MHz)	3457.50-3542.49	13M5G7D	13M5G7D	13M5D7W	13M6D7W	13M5D7W
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	18M0G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	26M7G7D	27M8G7D	27M8D7W	27M8D7W	27M8D7W
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	37M7G7D	37M8G7D	37M7D7W	37M7D7W	37M8D7W
n77 (Channel Bandwidth 50MHz)	3475.02-3525.00	46M9G7D	47M4G7D	47M4D7W	47M4D7W	47M3D7W
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	57M8G7D	57M6G7D	57M6D7W	57M7D7W	57M7D7W
n77 (Channel Bandwidth 70MHz)	3485.01-3514.98	66M8G7D	67M3G7D	67M3D7W	67M2D7W	67M3D7W
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	76M9G7D	77M4G7D	77M3D7W	77M2D7W	77M5D7W
n77 (Channel Bandwidth 90MHz)	3495.00-3504.99	86M4G7D	86M9G7D	87M0D7W	87M3D7W	87M0D7W
n77 (Channel Bandwidth 100MHz)	3500.01	96M6G7D	97M0G7D	97M0D7W	97M1D7W	97M2D7W
For Part 27Q, SCS 30kHz (Ant.: M2)						
n77 (Channel Bandwidth 10MHz)	3455.01-3544.98	8M58G7D	8M60G7D	8M56D7W	8M56D7W	8M58D7W
n77 (Channel Bandwidth 15MHz)	3457.50-3542.49	13M5G7D	13M6G7D	13M6D7W	13M6D7W	13M6D7W
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	18M0G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	26M7G7D	27M8G7D	27M8D7W	27M8D7W	27M8D7W
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	37M7G7D	37M8G7D	37M7D7W	37M8D7W	37M8D7W
n77 (Channel Bandwidth 50MHz)	3475.02-3525.00	46M9G7D	47M4G7D	47M3D7W	47M4D7W	47M4D7W
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	57M8G7D	57M6G7D	57M6D7W	57M6D7W	57M6D7W
n77 (Channel Bandwidth 70MHz)	3485.01-3514.98	66M7G7D	67M3G7D	67M3D7W	67M2D7W	67M3D7W
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	76M9G7D	77M3G7D	77M2D7W	77M3D7W	77M5D7W
n77 (Channel Bandwidth 90MHz)	3495.00-3504.99	86M6G7D	86M9G7D	87M2D7W	87M3D7W	87M0D7W
n77 (Channel Bandwidth 100MHz)	3500.01	96M3G7D	97M0G7D	97M0D7W	97M2D7W	97M1D7W

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator				
		BPSK	QPSK	16QAM	64QAM	256QAM
For Part 27O, SCS 30kHz (Ant.: M1)						
n77 (Channel Bandwidth 10MHz)	3705.00-3975.00	8M57G7D	8M59G7D	8M55D7W	8M56D7W	8M58D7W
n77 (Channel Bandwidth 15MHz)	3707.52-3972.48	13M5G7D	13M5G7D	13M5D7W	13M6D7W	13M6D7W
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	18M1G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	26M8G7D	27M8G7D	27M8D7W	27M8D7W	27M8D7W
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	37M5G7D	37M8G7D	37M7D7W	37M7D7W	37M8D7W
n77 (Channel Bandwidth 50MHz)	3725.01-3954.99	47M1G7D	47M4G7D	47M4D7W	47M4D7W	47M3D7W
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	57M6G7D	57M6G7D	57M6D7W	57M7D7W	57M7D7W
n77 (Channel Bandwidth 70MHz)	3735.00-3945.00	66M5G7D	67M3G7D	67M3D7W	67M2D7W	67M3D7W
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	76M9G7D	77M4G7D	77M4D7W	77M3D7W	77M5D7W
n77 (Channel Bandwidth 90MHz)	3745.02-3934.98	86M6G7D	86M9G7D	87M1D7W	87M3D7W	87M1D7W
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	96M7G7D	97M1G7D	97M2D7W	97M3D7W	97M2D7W
For Part 27O, SCS 30kHz (Ant.: M2)						
n77 (Channel Bandwidth 10MHz)	3705.00-3975.00	8M57G7D	8M59G7D	8M58D7W	8M58D7W	8M58D7W
n77 (Channel Bandwidth 15MHz)	3707.52-3972.48	13M5G7D	13M5G7D	13M5D7W	13M6D7W	13M5D7W
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	18M0G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	26M8G7D	27M8G7D	27M8D7W	27M8D7W	27M8D7W
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	37M6G7D	37M8G7D	37M7D7W	37M7D7W	37M8D7W
n77 (Channel Bandwidth 50MHz)	3725.01-3954.99	47M0G7D	47M4G7D	47M4D7W	47M4D7W	47M3D7W
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	57M7G7D	57M6G7D	57M6D7W	57M7D7W	57M7D7W
n77 (Channel Bandwidth 70MHz)	3735.00-3945.00	66M5G7D	67M3G7D	67M3D7W	67M2D7W	67M3D7W
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	76M8G7D	77M4G7D	77M5D7W	77M4D7W	77M5D7W
n77 (Channel Bandwidth 90MHz)	3745.02-3934.98	86M5G7D	87M0G7D	87M2D7W	87M4D7W	87M1D7W
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	96M5G7D	97M2G7D	97M1D7W	97M1D7W	97M3D7W

3. The EUT uses following accessories.

AC Adapter 1		
Brand	Model	Specification
LUCENT TRANS	1A78	AC Input : 100~240V, 1.2A, 50-60Hz DC Output : 5.0V, 3.0A,15W or 9.0V, 3.0A, 27W or 12.0V, 3.0A, 36W or 15.0V, 3.0A, 45W or 20.0V, 2.25A, 45W DC Output Cable : 1.85 M , non-shielded cable, W/O ferrite core Plug : US
AC Adapter 2		
Brand	Model	Specification
MASS POWER	PD045E-C1C0AVU	AC Input : 100~240V, 1.0A, 50-60Hz DC Output : 5.0V, 3.0A or 9.0V, 3.0A or 12.0V, 3.0A or 15.0V, 3.0A or 20.0V, 2.25A, 45W DC Output Cable : 1.8 M , non-shielded cable, W/O ferrite core Plug : US

*The adapter 1 was chosen for final test.

4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Antenna Net Gain(dBi)	Frequency range	Antenna Type	Connector Type
WWAN Antenna (Internal)	B71 (TRx) (M2)	PSA	RFPCA811609IMMB403_B	3.17	663-698 MHz	Monopole	ipex(MHF1)
	B71 (Rx) (M1)		RFPCA811609IMMB402_A	3.10	663-698 MHz	Monopole	ipex(MHF1)
	B71 (Rx) (D1)		RFPCA652018IMMB401_A	2.09	663-698 MHz	Monopole	ipex(MHF1)
	B71 (Rx)(D2)		RFFPA656320IMMB401_B	2.01	663-698 MHz	Monopole	ipex(MHF1)
	B12 (TRx) (M2)	PSA	RFPCA811609IMMB403_B	3.34	698-716 MHz	Monopole	ipex(MHF1)
	B12 (Rx) (D2)		RFFPA656320IMMB401_B	2.05	698-716 MHz	Monopole	ipex(MHF1)
	B5 (TRx) (M2)	PSA	RFPCA811609IMMB403_B	1.68	824-849 MHz	Monopole	ipex(MHF1)
	B5 (Rx) (D2)		RFFPA656320IMMB401_B	0.63	824-849 MHz	Monopole	ipex(MHF1)
	B4/B66 (TRx) (M2)	PSA	RFPCA811609IMMB403_B	3.69	1710-1780 MHz	Monopole	ipex(MHF1)
	B4/B66 (TRx) (M1)		RFPCA811609IMMB402_A	5.13	1710-1780 MHz	Monopole	ipex(MHF1)
	B4/B66 (Rx) (D1)		RFPCA652018IMMB401_A	4.26	1710-1780 MHz	Monopole	ipex(MHF1)
	B4/B66 (Rx) (D2)		RFFPA656320IMMB401_B	4.10	1710-1780 MHz	Monopole	ipex(MHF1)
	B2/B25 (TRx) (M2)	PSA	RFPCA811609IMMB403_B	3.33	1850-1915 MHz	Monopole	ipex(MHF1)
	B2/B25 (TRx) (M1)		RFPCA811609IMMB402_A	4.78	1850-1915 MHz	Monopole	ipex(MHF1)
	B2/B25 (Rx) (D1)		RFPCA652018IMMB401_A	3.79	1850-1915 MHz	Monopole	ipex(MHF1)
	B2/B25 (Rx) (D2)		RFFPA656320IMMB401_B	4.11	1850-1915 MHz	Monopole	ipex(MHF1)
	B41 (TRx) (M2)	PSA	RFPCA811609IMMB403_B	2.78	2496-2690 MHz	Monopole	ipex(MHF1)
	B41 (TRx) (M1)		RFPCA811609IMMB402_A	3.02	2496-2690 MHz	Monopole	ipex(MHF1)
	B41 (Rx) (Omni-Antenna HC1O)		RFPCA380906IMMB401_A	4.45	2496-2690 MHz	Dipole	ipex(MHF1)
	B41 (Rx) (Omni-Antenna HC2O)		RFPCA380912IMMB401_A	3.67	2496-2690 MHz	Dipole	ipex(MHF1)
	B41 (Rx) (Semi-Antenna HC1S)		RFPCA474709IMMB401_A	7.59	2496-2690 MHz	Dipole	ipex(MHF1)
	B41 (Rx) (Semi-Antenna HC2S)		RFPCA474709IMMB401_A	7.76	2496-2690 MHz	Dipole	ipex(MHF1)
	B48 (TRx) (M2)	PSA	RFPCA811609IMMB403_B	0.94	3550-3700 MHz	Monopole	ipex(MHF1)
	B48 (TRx) (M1)		RFPCA811609IMMB402_A	1.02	3550-3700 MHz	Monopole	ipex(MHF1)
	B48 (Rx) (Omni-Antenna HC1O)		RFPCA380906IMMB401_A	4.64	3550-3700 MHz	Dipole	ipex(MHF1)
	B48 (Rx) (Omni-Antenna HC2O)		RFPCA380912IMMB401_A	4.03	3550-3700 MHz	Dipole	ipex(MHF1)
	B48 (Rx) (Semi-Antenna HC1S)		RFPCA474709IMMB401_A	7.67	3550-3700 MHz	Dipole	ipex(MHF1)
	B48 (Rx) (Semi-Antenna HC2S)		RFPCA474709IMMB401_A	8.01	3550-3700 MHz	Dipole	ipex(MHF1)
	B77 (TRx) (M2)	PSA	RFPCA811609IMMB403_B	0.84	3300-4200 MHz	Monopole	ipex(MHF1)
	B77(TRx) (M1)		RFPCA811609IMMB402_A	0.91	3300-4200 MHz	Monopole	ipex(MHF1)
	B77 (Rx) (Omni-Antenna HC1O)		RFPCA380906IMMB401_A	4.73	3300-4200 MHz	Dipole	ipex(MHF1)
	B77 (Rx) (Omni-Antenna HC2O)		RFPCA380912IMMB401_A	4.14	3300-4200 MHz	Dipole	ipex(MHF1)
	B77 (Rx) (Semi-Antenna HC1S)		RFPCA474709IMMB401_A	7.98	3300-4200 MHz	Dipole	ipex(MHF1)
	B77 (Rx) (Semi-Antenna HC2S)		RFPCA474709IMMB401_A	8.13	3300-4200 MHz	Dipole	ipex(MHF1)

* The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
* Only NR n41/48/77 support 2TX/2RX, other bands support 1TX/1RX only.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis

For NR n77 (3450-3550 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	630334 (3455.01 MHz) 633334 (3500.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630500 (3457.50 MHz) 633334 (3500.01 MHz) 636166 (3542.49 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3534.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631668 (3475.02 MHz) 633334 (3500.01 MHz) 635000 (3525.00 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632334 (3485.01 MHz) 633334 (3500.01 MHz) 634332 (3514.98 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	630334 (3455.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK	Full RB
	630500 (3457.50 MHz) 636166 (3542.49 MHz)	15 MHz	BPSK	Full RB
	630668 (3460.02 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK	Full RB
	631000 (3465.00 MHz) 635666 (3534.99 MHz)	30 MHz	BPSK	Full RB
	631334 (3470.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK	Full RB
	631668 (3475.02 MHz) 635000 (3525.00 MHz)	50 MHz	BPSK	Full RB
	632000 (3480.00 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK	Full RB
	632334 (3485.01 MHz) 634332 (3514.98 MHz)	70 MHz	BPSK	Full RB
	632668 (3490.02 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK	Full RB
	633000 (3495.00 MHz) 633666 (3504.99 MHz)	90 MHz	BPSK	Full RB
	633334 (3500.01 MHz)	100 MHz	BPSK	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	630334 (3455.01 MHz) 633334 (3500.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	630500 (3457.50 MHz) 633334 (3500.01 MHz) 636166 (3542.49 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3534.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	631668 (3475.02 MHz) 633334 (3500.01 MHz) 635000 (3525.00 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	632334 (3485.01 MHz) 633334 (3500.01 MHz) 634332 (3514.98 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	630334 (3455.01 MHz) 633334 (3500.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	630500 (3457.50 MHz) 633334 (3500.01 MHz) 636166 (3542.49 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3534.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	631668 (3475.02 MHz) 633334 (3500.01 MHz) 635000 (3525.00 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	632334 (3485.01 MHz) 633334 (3500.01 MHz) 634332 (3514.98 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	630334 (3455.01 MHz) 633334 (3500.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK	1 RB Full RB
	630500 (3457.50 MHz) 633334 (3500.01 MHz) 636166 (3542.49 MHz)	15 MHz	BPSK	1 RB Full RB
	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK	1 RB Full RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3534.99 MHz)	30 MHz	BPSK	1 RB Full RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK	1 RB Full RB
	631668 (3475.02 MHz) 633334 (3500.01 MHz) 635000 (3525.00 MHz)	50 MHz	BPSK	1 RB Full RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK	1 RB Full RB
	632334 (3485.01 MHz) 633334 (3500.01 MHz) 634332 (3514.98 MHz)	70 MHz	BPSK	1 RB Full RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK	1 RB Full RB
	633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	BPSK	1 RB Full RB
	633334 (3500.01 MHz)	100 MHz	BPSK	1 RB Full RB
RE Below 1GHz	636332 (3544.98 MHz)	10 MHz	BPSK	1 RB
RE Above 1GHz	630334 (3455.01 MHz) 633334 (3500.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK	1 RB
	631668 (3475.02 MHz) 633334 (3500.01 MHz) 635000 (3525.00 MHz)	50 MHz	BPSK	1 RB
	633334 (3500.01 MHz)	100 MHz	BPSK	1 RB

For NR n77 (3700-3980 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	647000 (3705.00 MHz) 656000 (3840.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647168 (3707.52 MHz) 656000 (3840.00 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 664332 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	656000 (3840.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	647000 (3705.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK	Full RB
	647168 (3707.52 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK	Full RB
	647334 (3710.01 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK	Full RB
	647668 (3715.02 MHz) 664332 (3964.98 MHz)	30 MHz	BPSK	Full RB
	648000 (3720.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK	Full RB
	648334 (3725.01 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK	Full RB
	648668 (3730.02 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK	Full RB
	649000 (3735.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK	Full RB
	649334 (3740.01 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK	Full RB
	649668 (3745.02 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK	Full RB
	650000 (3750.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	647000 (3705.00 MHz) 656000 (3840.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647168 (3707.52 MHz) 656000 (3840.00 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 664332 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

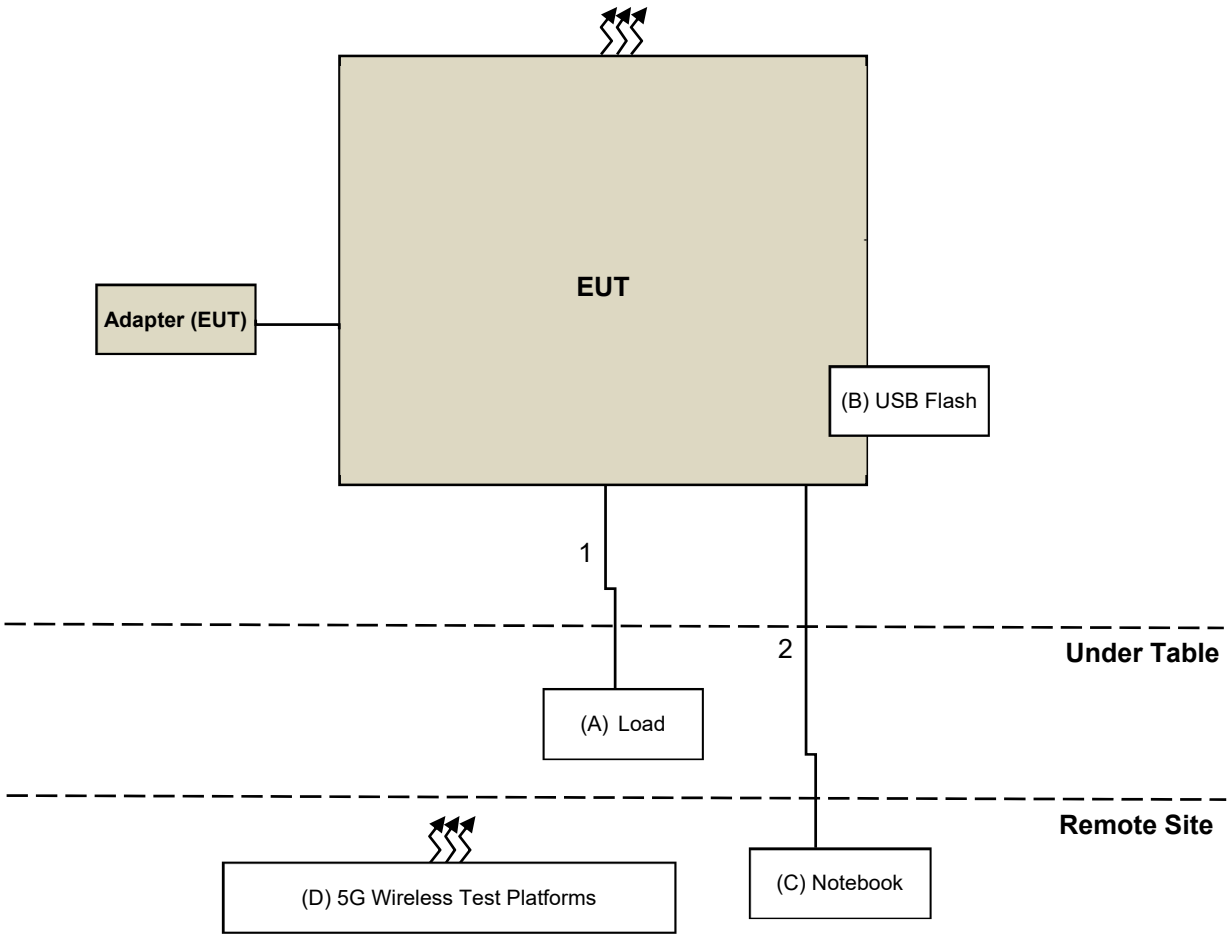
Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	647000 (3705.00 MHz) 656000 (3840.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647168 (3707.52 MHz) 656000 (3840.00 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 664332 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	647000 (3705.00 MHz) 656000 (3840.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK	1 RB Full RB
	647168 (3707.52 MHz) 656000 (3840.00 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK	1 RB Full RB
	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK	1 RB Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 664332 (3964.98 MHz)	30 MHz	BPSK	1 RB Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK	1 RB Full RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK	1 RB Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK	1 RB Full RB
	649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK	1 RB Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK	1 RB Full RB
	649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK	1 RB Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK	1 RB Full RB
RE Below 1GHz	665000 (3975.00 MHz)	10 MHz	BPSK	1 RB
RE Above 1GHz	647000 (3705.00 MHz) 656000 (3840.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK	1 RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK	1 RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK	1 RB

3.4 Test Program Used and Operation Descriptions

There is no need to controlling software during the test, and the EUT can be paired with the Radio Communication Analyzer to test the connection when it is powered on.

3.5 Connection Diagram of EUT and Peripheral Devices



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Load	NA	NA	NA	NA	Provided by Lab
B	USB Flash	SanDisk G	SDDDC3-032	NA	NA	Provided by Lab
C	Notebook	Lenovo	80Q7	PF0KUGU6	FCC DoC Approveded	Provided by Lab
D	5G Wireless Test Platforms	Keysight	E7515B	NA	NA	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	1.5	No	0	Provided by Lab
2	RJ-45 Cable	1	10	No	0	Provided by Lab

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
N9030B - PXA Signal Analyzer KEYSIGHT	N9030B	MY57140488	2023/3/6	2024/3/5
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2022/5/20	2023/5/19
		MY59321376	2023/03/13	2024/03/12
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/4/28 ~ 2023/5/23

4.2 Modulation Characteristics

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
N9030B - PXA Signal Analyzer KEYSIGHT	N9030B	MY57140488	2023/3/6	2024/3/5
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2022/5/20	2023/5/19
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/4/21 ~ 2023/4/28

4.3 Peak to Average Ratio

Refer to section 4.2 to get information of the instruments.

4.4 Bandwidth

Refer to section 4.2 to get information of the instruments.

4.5 Conducted Spurious Emissions

Refer to section 4.2 to get information of the instruments.

4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB9168	9168-472	2022/10/21	2023/10/20
Loop Antenna EMCI	EM-6879	269	2022/9/19	2023/9/18
Loop Antenna TESEQ	HLA 6121	45745	2022/7/27	2023/7/26
Pre-Ammlifier EMCI	EMC 330H	980112	2022/10/1	2023/9/30
Pre-amplifier EMCI	EMC001340	980201	2022/9/23	2023/9/22
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2023/1/7	2024/1/6
RF Coaxial Cable WORKEN	8D-FB	Cable-Ch10-01	2022/10/1	2023/9/30
Signal Analyzer Agilent	N9010A	MY52220207	2023/1/3	2024/1/2
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Test Receiver KEYSIGHT	N9038A	MY55420137	2022/4/27	2023/4/26
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A
5G Wireless Test Platforms Keysight	E7515B	MY59321376	2023/03/13	2024/03/12

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2023/4/13

4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	7	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-969	2022/11/13	2023/11/12
	BBHA 9170	148	2022/11/13	2023/11/12
Pre-Ammlifier EMCI	EMC 184045	980116	2022/10/1	2023/9/30
Pre-Amplifier EMCI	EMC 012645	980115	2022/10/1	2023/9/30
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2022/7/9	2023/7/8
	EMC102-KM-KM-3000	150929	2022/7/9	2023/7/8
	EMC104-SM-SM-8000+3000	171005	2022/10/1	2023/9/30
RF Coaxial Cable HUBER SUHNER	SUCOFLEX 104	EMC104-SM-SM-1000(140807)	2022/10/1	2023/9/30
RF FLITER MICRO-TRONICS	BRM17690	004	2023/1/11	2024/1/10
	BRM50716	060	2023/1/11	2024/1/10
Signal Analyzer Agilent	N9010A	MY52220207	2023/1/3	2024/1/2
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Test Receiver KEYSIGHT	ESR	101451	2023/3/27	2024/3/26
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A
5G Wireless Test Platforms Keysight	E7515B	MY59321376	2023/03/13	2024/03/12

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2023/4/11 ~ 2023/5/8

4.8 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC power supply JIN YIH Technology	6905S	1720444	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2022/6/23	2023/6/22
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101582	2023/4/13	2024/4/12
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/12/27	2023/12/26
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2022/5/20	2023/5/19
		MY59321376	2023/03/13	2024/03/12

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/4/28 ~ 2023/5/23

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For NR n77 (3450-3550 MHz):

Mobile devices are limited to 1Watt (30 dBm) EIRP.

For NR n77 (3700-3980 MHz):

Mobile and portable stations are limited to 1 Watt EIRP.

5.2 Modulation Characteristics

A curve or equivalent data which shows that the equipment will meet the modulation requirements of the rules under which the equipment is to be licensed.

5.3 Peak to Average Ratio

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

5.4 Bandwidth

According to FCC 47 CFR part 2.1049, the occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5% of the total mean power radiated by a given emission.

5.5 Conducted Spurious Emissions

For NR n77 (3450-3550 MHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

For NR n77 (3700-3980 MHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

Note:
This device can be impelement MIMO function, so the limit of spurious emissions needs to be reduced by 10log(NumbersAnt) according to FCC KDB 662911 D01 guidance.

5.6 Radiated Spurious Emissions below 1GHz

For NR n77 (3450-3550 MHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

For NR n77 (3700-3980 MHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

5.7 Radiated Spurious Emissions above 1GHz

For NR n77 (3450-3550 MHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

For NR n77 (3700-3980 MHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

5.8 Frequency Stability

For NR n77 (3450-3550 MHz), NR n77 (3700-3980 MHz):

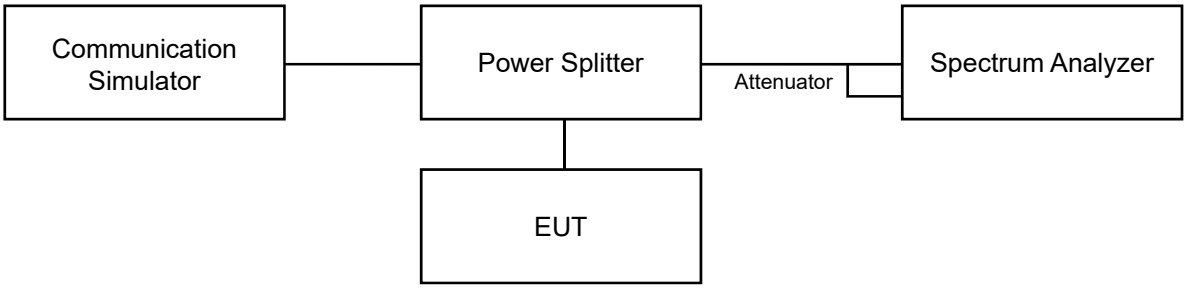
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation (authorized frequency block).

6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology. The power measurement was performed on emulator and power value was measured from power function on emulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Measurement method refers to ANSI C63.26 section 5.2.4.4.

a. Set span to 2 × to 3 × the OBW.
b. Set RBW = 1% to 5% of the OBW.
c. Set VBW ≥ 3 × RBW.
d. Set number of measurement points in sweep ≥ 2 × span / RBW.
e. Set Sweep time = auto-couple.
f. Detector = power averaging (rms).
g. Set sweep trigger to “free run.”
h. Trace average at least 100 traces in power averaging (rms) mode.
i. Compute power by integrating the spectrum across the OBW of the signal using the instrument’s band or channel power measurement function with band/channel limits set equal to the OBW band edges.
j. If Duty cycle < 98%, Add 10 log (1/duty cycle) to the measured power level to compute the average power during continuous transmission.

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$EIRP = P_{Meas} + G_T$

$ERP = P_{Meas} + G_T - 2.15$

where

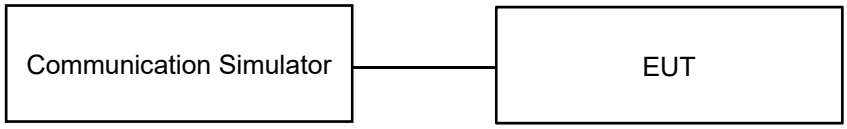
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

6.2 Modulation Characteristics

6.2.1 Test Setup

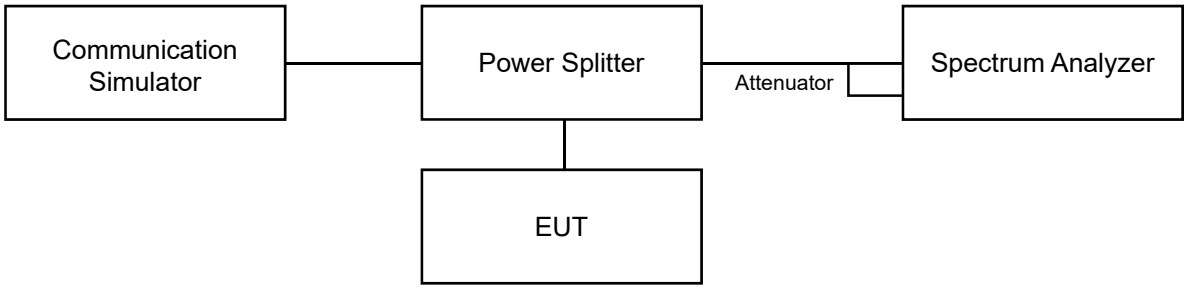


6.2.2 Test Procedure

Connect the EUT to Communication Simulator via the antenna connector, the frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

6.3 Peak to Average Ratio

6.3.1 Test Setup

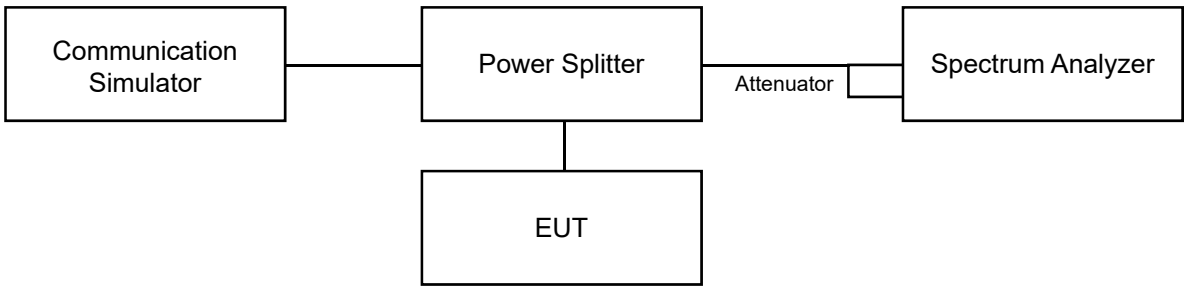


6.3.2 Test Procedure

a. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
b. Set the number of counts to a value that stabilizes the measured CCDF curve;
c. Record the maximum PAPR level associated with a probability of 0.1%.

6.4 Bandwidth

6.4.1 Test Setup



6.4.2 Test Procedure

For the 26 dBc bandwidth measurement method, please refer to section 5.4.3 of ANSI C63.26.

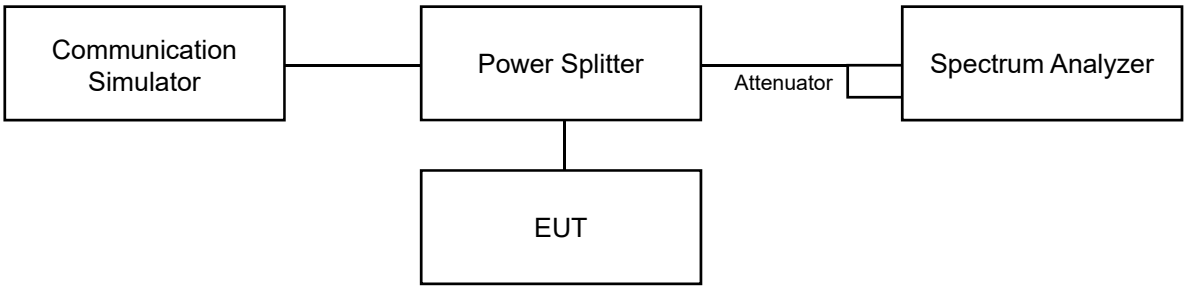
a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
d. The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target "−X dB" requirement, i.e., if the requirement calls for measuring the −26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
e. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
f. Determine the following reference values: 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).
g. Determine the "−X dB amplitude" as equal to (Reference Value − X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
h. 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 amplitude" determined in step f). If a marker is below this "−X dB amplitude" value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers.
i. The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

For the occupied bandwidth measurement method, please refer to section 5.4.4 of ANSI C63.26.

a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
d. The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target "−X dB" requirement, i.e., if the requirement calls for measuring the −26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
e. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
f. Determine the reference value by either of the following:
g. 1) 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).
h. 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
i. Determine the "−X dB amplitude" as equal to (Reference Value − X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
j. If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
k. 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 amplitude" determined in step f). If a marker is below this "−X dB amplitude" value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers. The spectral envelope can cross the "−X dB amplitude" at multiple points. The lowest or highest frequency shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the "−X dB amplitude."
l. The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6.5 Conducted Spurious Emissions

6.5.1 Test Setup



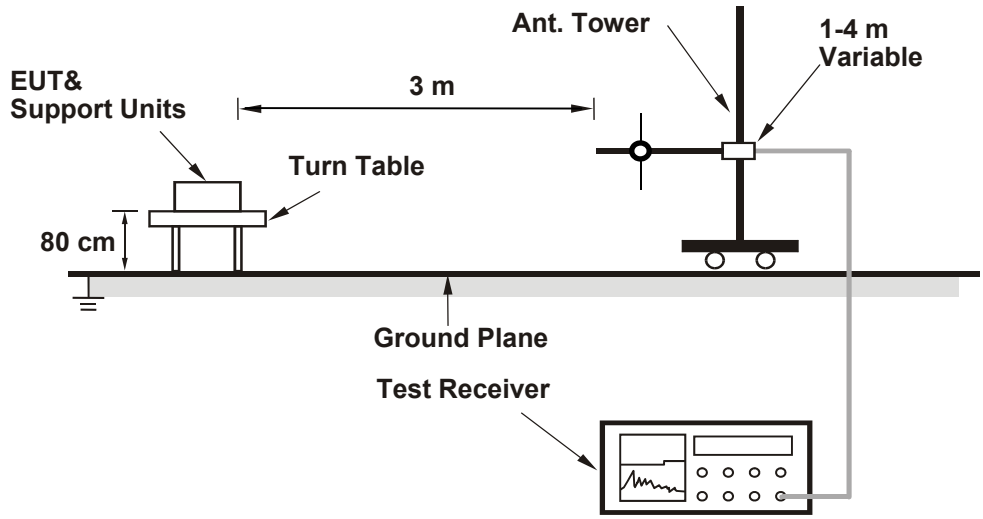
6.5.2 Test Procedure

a. Measurement refer to ANSI C63.26 section 5.7.
b. All measurements were done at 3 channels: low, middle and high operational frequency range.
c. Measuring frequency range is from 9 kHz up to the tenth harmonic of the hightest fundamental frequency or to 40 GHz, whichever is lower. 20 dB attenuation pad is connected with spectrum.
d. The fundamental frequency above 1 GHz, the spectrum set RBW = 1 MHz, VBW = 3 MHz, Detector = Average.
e. The fundamental frequency below 1 GHz, the spectrum set RBW ≥ 100 kHz, VBW ≥ 3 x RBW, Detector = Average.
f. Measuring frequency band edge, narrow RBW (no less than 1% of the OBW) is used for conducted emission measurement.

6.6 Radiated Spurious Emissions below 1GHz

6.6.1 Test Setup

For radiated emission 30 MHz to 1 GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.6.2 Test Procedure

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.

d. Following C63.26 section 5.5 and 5.2.7

e. EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.

f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

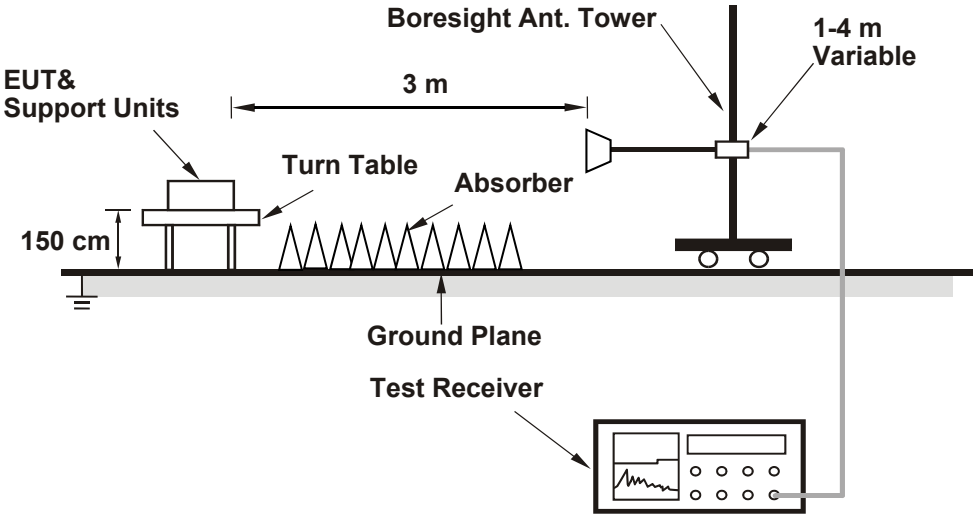
Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.
2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz:
   The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

6.7 Radiated Spurious Emissions above 1GHz

6.7.1 Test Setup

For radiated emission above 1 GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.7.2 Test Procedure

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

a. In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.

d. Following C63.26 section 5.5 and 5.2.7

e. EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.

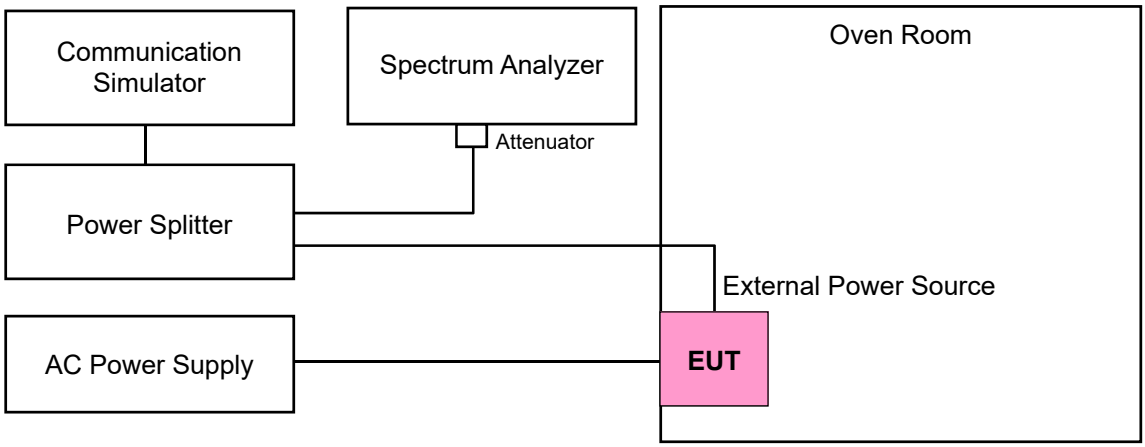
f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.

6.8 Frequency Stability

6.8.1 Test Setup



6.8.2 Test Procedure

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.

b. EUT is connected the external power supply to control the AC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.

c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

Note: The frequency error was recorded frequency error from the communication simulator.

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 71% RH	Tested By:	Frank Liu

7.1.1 NR n77 (3450-3550 MHz) SCS 15 kHz

Conducted Output Power (dBm)

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631667	633334	635000
		Frequence (MHz)		3475.005	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	25.07	24.96	24.88
		1	137	24.93	24.81	24.77
		1	271	24.95	24.86	24.80
		135	0	24.94	24.82	24.81
		135	69	24.94	24.86	24.73
		135	138	25.01	24.91	24.75
		270	0	24.99	24.90	24.76
50M	DFT-S QPSK	1	1	24.97	24.76	24.86
		1	137	24.90	24.66	24.75
		1	271	24.91	24.69	24.81
		135	0	24.87	24.71	24.81
		135	69	24.86	24.63	24.77
		135	138	24.90	24.65	24.74
		270	0	24.90	24.62	24.76
50M	DFT-S 16QAM	1	1	24.67	24.81	24.75
50M	DFT-S 64QAM	1	1	23.81	23.54	23.52
50M	DFT-S 256QAM	1	1	21.68	21.56	21.69
50M	CP QPSK	1	1	22.01	21.94	22.00
50M	CP 16QAM	1	1	21.78	21.78	21.76
50M	CP 64QAM	1	1	21.39	21.18	21.15
50M	CP 256QAM	1	1	18.40	18.42	18.37

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635333
		Frequence (MHz)		3470.01	3500.01	3529.995
40M	DFT-S PI/2 BPSK	1	1	25.02	24.80	24.83
		1	123	24.92	24.67	24.78
		1	243	24.87	24.75	24.76
		120	0	24.90	24.72	24.78
		120	63	24.92	24.72	24.78
		120	125	24.93	24.69	24.72
		243	0	24.96	24.65	24.75
40M	DFT-S QPSK	1	1	24.82	24.64	24.68
		1	123	24.72	24.53	24.53
		1	243	24.67	24.58	24.61
		120	0	24.70	24.57	24.60
		120	63	24.71	24.58	24.61
		120	125	24.76	24.51	24.62
		243	0	24.71	24.49	24.61
40M	DFT-S 16QAM	1	1	24.73	24.67	24.58
40M	DFT-S 64QAM	1	1	23.53	23.54	23.67
40M	DFT-S 256QAM	1	1	21.57	21.76	21.61
40M	CP QPSK	1	1	21.82	21.85	21.76
40M	CP 16QAM	1	1	21.81	21.65	21.79
40M	CP 64QAM	1	1	21.36	21.29	21.29
40M	CP 256QAM	1	1	18.24	18.28	18.37

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630667	633334	636000
		Frequence (MHz)		3460.005	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	24.86	24.73	24.78
		1	109	24.75	24.63	24.64
		1	215	24.72	24.66	24.70
		108	0	24.71	24.62	24.70
		108	55	24.72	24.61	24.68
		108	109	24.71	24.67	24.73
		216	0	24.75	24.65	24.69
20M	DFT-S QPSK	1	1	24.85	24.80	24.85
		1	109	24.79	24.69	24.72
		1	215	24.72	24.70	24.80
		108	0	24.77	24.70	24.72
		108	55	24.74	24.68	24.77
		108	109	24.79	24.65	24.71
		216	0	24.76	24.72	24.75
20M	DFT-S 16QAM	1	1	24.82	24.61	24.54
20M	DFT-S 64QAM	1	1	23.62	23.55	23.67
20M	DFT-S 256QAM	1	1	21.50	21.59	21.75
20M	CP QPSK	1	1	21.96	21.91	21.83
20M	CP 16QAM	1	1	21.83	21.87	21.70
20M	CP 64QAM	1	1	21.30	21.14	21.41
20M	CP 256QAM	1	1	18.32	18.25	18.18

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	633334	636166
		Frequence (MHz)		3457.5	3500.01	3542.49
15M	DFT-S PI/2 BPSK	1	1	25.01	24.88	24.99
		1	95	24.96	24.75	24.92
		1	187	24.95	24.73	24.91
		90	0	24.89	24.77	24.88
		90	50	24.88	24.74	24.86
		90	99	24.87	24.77	24.85
		180	0	24.86	24.80	24.87
15M	DFT-S QPSK	1	1	24.81	24.74	24.75
		1	95	24.69	24.68	24.64
		1	187	24.71	24.69	24.70
		90	0	24.71	24.59	24.66
		90	50	24.75	24.61	24.69
		90	99	24.69	24.65	24.62
		180	0	24.76	24.59	24.60
15M	DFT-S 16QAM	1	1	24.66	24.65	24.72
15M	DFT-S 64QAM	1	1	23.52	23.53	23.51
15M	DFT-S 256QAM	1	1	21.71	21.54	21.59
15M	CP QPSK	1	1	21.95	21.99	21.88
15M	CP 16QAM	1	1	21.89	21.87	21.73
15M	CP 64QAM	1	1	21.16	21.43	21.19
15M	CP 256QAM	1	1	18.41	18.42	18.21

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636333
		Frequence (MHz)		3455.01	3500.01	3544.995
10M	DFT-S PI/2 BPSK	1	1	24.88	24.85	24.84
		1	81	24.75	24.71	24.73
		1	160	24.75	24.74	24.75
		81	0	24.78	24.71	24.75
		81	41	24.74	24.80	24.79
		81	81	24.82	24.73	24.69
		162	0	24.73	24.75	24.79
10M	DFT-S QPSK	1	1	24.87	24.87	24.61
		1	81	24.76	24.77	24.46
		1	160	24.80	24.78	24.52
		81	0	24.76	24.81	24.56
		81	41	24.72	24.78	24.46
		81	81	24.77	24.79	24.50
		162	0	24.74	24.77	24.46
10M	DFT-S 16QAM	1	1	24.71	24.55	24.80
10M	DFT-S 64QAM	1	1	23.65	23.51	23.75
10M	DFT-S 256QAM	1	1	21.58	21.54	21.56
10M	CP QPSK	1	1	21.98	21.92	22.01
10M	CP 16QAM	1	1	21.71	21.89	21.88
10M	CP 64QAM	1	1	21.39	21.40	21.41
10M	CP 256QAM	1	1	18.35	18.27	18.27

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631667	633334	635000
		Frequence (MHz)		3475.005	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	25.06	24.81	24.97
		1	137	24.98	24.67	24.91
		1	271	24.95	24.68	24.91
		135	0	24.95	24.73	24.92
		135	69	24.96	24.67	24.89
		135	138	24.91	24.74	24.83
		270	0	24.99	24.70	24.82
50M	DFT-S QPSK	1	1	24.74	24.67	24.89
		1	137	24.64	24.62	24.84
		1	271	24.62	24.58	24.76
		135	0	24.61	24.52	24.80
		135	69	24.69	24.56	24.82
		135	138	24.60	24.60	24.83
		270	0	24.64	24.61	24.77
50M	DFT-S 16QAM	1	1	24.64	24.55	24.78
50M	DFT-S 64QAM	1	1	23.58	23.67	23.77
50M	DFT-S 256QAM	1	1	21.62	21.65	21.72
50M	CP QPSK	1	1	21.99	21.73	21.96
50M	CP 16QAM	1	1	21.75	21.67	21.89
50M	CP 64QAM	1	1	21.22	21.25	21.23
50M	CP 256QAM	1	1	18.25	18.46	18.35

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635333
		Frequence (MHz)		3470.01	3500.01	3529.995
40M	DFT-S PI/2 BPSK	1	1	24.86	24.84	24.70
		1	123	24.79	24.79	24.57
		1	243	24.74	24.78	24.61
		120	0	24.81	24.71	24.58
		120	63	24.80	24.73	24.58
		120	125	24.71	24.69	24.65
		243	0	24.78	24.79	24.62
40M	DFT-S QPSK	1	1	24.93	24.71	24.67
		1	123	24.78	24.64	24.60
		1	243	24.87	24.66	24.55
		120	0	24.82	24.58	24.60
		120	63	24.84	24.64	24.62
		120	125	24.85	24.65	24.56
		243	0	24.80	24.56	24.52
40M	DFT-S 16QAM	1	1	24.64	24.77	24.77
40M	DFT-S 64QAM	1	1	23.81	23.52	23.72
40M	DFT-S 256QAM	1	1	21.72	21.65	21.57
40M	CP QPSK	1	1	21.75	21.81	21.96
40M	CP 16QAM	1	1	21.71	21.88	21.75
40M	CP 64QAM	1	1	21.22	21.21	21.30
40M	CP 256QAM	1	1	18.25	18.44	18.46

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630667	633334	636000
		Frequence (MHz)		3460.005	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	24.82	24.70	24.75
		1	109	24.67	24.56	24.66
		1	215	24.68	24.61	24.62
		108	0	24.72	24.65	24.64
		108	55	24.71	24.65	24.68
		108	109	24.74	24.59	24.70
		216	0	24.77	24.58	24.69
20M	DFT-S QPSK	1	1	24.79	24.75	24.90
		1	109	24.70	24.65	24.80
		1	215	24.64	24.68	24.84
		108	0	24.69	24.61	24.75
		108	55	24.71	24.69	24.84
		108	109	24.71	24.63	24.83
		216	0	24.67	24.66	24.83
20M	DFT-S 16QAM	1	1	24.53	24.67	24.80
20M	DFT-S 64QAM	1	1	23.53	23.58	23.62
20M	DFT-S 256QAM	1	1	21.75	21.70	21.74
20M	CP QPSK	1	1	21.96	21.88	22.01
20M	CP 16QAM	1	1	21.84	21.86	21.68
20M	CP 64QAM	1	1	21.21	21.16	21.15
20M	CP 256QAM	1	1	18.34	18.41	18.33

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	633334	636166
		Frequence (MHz)		3457.5	3500.01	3542.49
15M	DFT-S PI/2 BPSK	1	1	25.07	24.87	24.78
		1	95	24.97	24.77	24.70
		1	187	24.93	24.77	24.65
		90	0	24.95	24.82	24.66
		90	50	24.93	24.79	24.71
		90	99	24.94	24.78	24.69
		180	0	24.92	24.77	24.69
15M	DFT-S QPSK	1	1	24.94	24.90	24.74
		1	95	24.87	24.81	24.68
		1	187	24.88	24.83	24.59
		90	0	24.89	24.77	24.59
		90	50	24.82	24.79	24.69
		90	99	24.89	24.85	24.61
		180	0	24.87	24.75	24.63
15M	DFT-S 16QAM	1	1	24.52	24.79	24.63
15M	DFT-S 64QAM	1	1	23.62	23.70	23.56
15M	DFT-S 256QAM	1	1	21.72	21.47	21.49
15M	CP QPSK	1	1	21.88	21.95	21.78
15M	CP 16QAM	1	1	21.79	21.70	21.91
15M	CP 64QAM	1	1	21.38	21.34	21.20
15M	CP 256QAM	1	1	18.18	18.27	18.35

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636333
		Frequence (MHz)		3455.01	3500.01	3544.995
10M	DFT-S PI/2 BPSK	1	1	24.97	24.71	24.76
		1	81	24.84	24.56	24.62
		1	160	24.84	24.62	24.71
		81	0	24.86	24.61	24.62
		81	41	24.90	24.59	24.63
		81	81	24.92	24.65	24.61
		162	0	24.88	24.66	24.64
10M	DFT-S QPSK	1	1	24.78	24.64	24.84
		1	81	24.65	24.56	24.76
		1	160	24.71	24.52	24.77
		81	0	24.63	24.54	24.75
		81	41	24.70	24.52	24.74
		81	81	24.64	24.55	24.79
		162	0	24.72	24.50	24.69
10M	DFT-S 16QAM	1	1	24.82	24.78	24.79
10M	DFT-S 64QAM	1	1	23.79	23.78	23.53
10M	DFT-S 256QAM	1	1	21.73	21.75	21.74
10M	CP QPSK	1	1	21.85	21.86	21.97
10M	CP 16QAM	1	1	21.85	21.92	21.68
10M	CP 64QAM	1	1	21.22	21.33	21.41
10M	CP 256QAM	1	1	18.36	18.26	18.36

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631667	633334	635000
		Frequence (MHz)		3475.005	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	28.08	27.90	27.94
		1	137	27.97	27.75	27.85
		1	271	27.96	27.78	27.87
		135	0	27.96	27.79	27.88
		135	69	27.96	27.78	27.82
		135	138	27.97	27.84	27.80
		270	0	28.00	27.81	27.80
50M	DFT-S QPSK	1	1	27.87	27.73	27.89
		1	137	27.78	27.65	27.81
		1	271	27.78	27.65	27.80
		135	0	27.75	27.63	27.82
		135	69	27.79	27.61	27.81
		135	138	27.76	27.64	27.80
		270	0	27.78	27.63	27.78
50M	DFT-S 16QAM	1	1	27.67	27.69	27.78
50M	DFT-S 64QAM	1	1	26.71	26.62	26.66
50M	DFT-S 256QAM	1	1	24.66	24.62	24.72
50M	CP QPSK	1	1	25.01	24.85	24.99
50M	CP 16QAM	1	1	24.78	24.74	24.84
50M	CP 64QAM	1	1	24.32	24.23	24.20
50M	CP 256QAM	1	1	21.34	21.45	21.37

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635333
		Frequence (MHz)		3470.01	3500.01	3529.995
40M	DFT-S PI/2 BPSK	1	1	27.95	27.83	27.78
		1	123	27.87	27.74	27.69
		1	243	27.82	27.78	27.70
		120	0	27.87	27.73	27.69
		120	63	27.87	27.74	27.69
		120	125	27.83	27.70	27.70
		243	0	27.88	27.73	27.70
40M	DFT-S QPSK	1	1	27.89	27.69	27.69
		1	123	27.76	27.60	27.58
		1	243	27.78	27.63	27.59
		120	0	27.77	27.59	27.61
		120	63	27.79	27.62	27.63
		120	125	27.82	27.59	27.60
		243	0	27.77	27.54	27.58
40M	DFT-S 16QAM	1	1	27.70	27.73	27.69
40M	DFT-S 64QAM	1	1	26.68	26.54	26.71
40M	DFT-S 256QAM	1	1	24.66	24.72	24.60
40M	CP QPSK	1	1	24.80	24.84	24.87
40M	CP 16QAM	1	1	24.77	24.78	24.78
40M	CP 64QAM	1	1	24.30	24.26	24.31
40M	CP 256QAM	1	1	21.26	21.37	21.43

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630667	633334	636000
		Frequence (MHz)		3460.005	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	27.85	27.73	27.78
		1	109	27.72	27.61	27.66
		1	215	27.71	27.65	27.67
		108	0	27.73	27.65	27.68
		108	55	27.73	27.64	27.69
		108	109	27.74	27.64	27.73
		216	0	27.77	27.63	27.70
20M	DFT-S QPSK	1	1	27.83	27.79	27.89
		1	109	27.76	27.68	27.77
		1	215	27.69	27.70	27.83
		108	0	27.74	27.67	27.75
		108	55	27.74	27.70	27.82
		108	109	27.76	27.65	27.78
		216	0	27.73	27.70	27.80
20M	DFT-S 16QAM	1	1	27.69	27.65	27.68
20M	DFT-S 64QAM	1	1	26.59	26.58	26.66
20M	DFT-S 256QAM	1	1	24.64	24.66	24.76
20M	CP QPSK	1	1	24.97	24.91	24.93
20M	CP 16QAM	1	1	24.85	24.88	24.70
20M	CP 64QAM	1	1	24.27	24.16	24.29
20M	CP 256QAM	1	1	21.34	21.34	21.27

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	633334	636166
		Frequence (MHz)		3457.5	3500.01	3542.49
15M	DFT-S PI/2 BPSK	1	1	28.05	27.89	27.90
		1	95	27.98	27.77	27.82
		1	187	27.95	27.76	27.79
		90	0	27.93	27.81	27.78
		90	50	27.92	27.78	27.80
		90	99	27.92	27.79	27.78
		180	0	27.90	27.80	27.79
15M	DFT-S QPSK	1	1	27.89	27.83	27.76
		1	95	27.79	27.76	27.67
		1	187	27.81	27.77	27.66
		90	0	27.81	27.69	27.64
		90	50	27.80	27.71	27.70
		90	99	27.80	27.76	27.63
		180	0	27.83	27.68	27.63
15M	DFT-S 16QAM	1	1	27.60	27.73	27.69
15M	DFT-S 64QAM	1	1	26.58	26.63	26.55
15M	DFT-S 256QAM	1	1	24.73	24.52	24.55
15M	CP QPSK	1	1	24.93	24.98	24.84
15M	CP 16QAM	1	1	24.85	24.80	24.83
15M	CP 64QAM	1	1	24.28	24.40	24.21
15M	CP 256QAM	1	1	21.31	21.36	21.29

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636333
		Frequence (MHz)		3455.01	3500.01	3544.995
10M	DFT-S PI/2 BPSK	1	1	27.94	27.79	27.81
		1	81	27.81	27.65	27.69
		1	160	27.81	27.69	27.74
		81	0	27.83	27.67	27.70
		81	41	27.83	27.71	27.72
		81	81	27.88	27.70	27.66
		162	0	27.82	27.72	27.73
10M	DFT-S QPSK	1	1	27.84	27.77	27.74
		1	81	27.72	27.68	27.62
		1	160	27.77	27.66	27.66
		81	0	27.71	27.69	27.67
		81	41	27.72	27.66	27.61
		81	81	27.72	27.68	27.66
		162	0	27.74	27.65	27.59
10M	DFT-S 16QAM	1	1	27.78	27.68	27.81
10M	DFT-S 64QAM	1	1	26.73	26.66	26.65
10M	DFT-S 256QAM	1	1	24.67	24.66	24.66
10M	CP QPSK	1	1	24.93	24.90	25.00
10M	CP 16QAM	1	1	24.79	24.92	24.79
10M	CP 64QAM	1	1	24.32	24.38	24.42
10M	CP 256QAM	1	1	21.37	21.28	21.33

EIRP Power (dBm)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631667	633334	635000
		Frequence (MHz)		3475.005	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	**28.99**	28.81	28.85
		1	137	28.88	28.66	28.76
		1	271	28.87	28.69	28.78
		135	0	28.87	28.70	28.79
		135	69	28.87	28.69	28.73
		135	138	28.88	28.75	28.71
		270	0	28.91	28.72	28.71
50M	DFT-S QPSK	1	1	28.78	28.64	28.80
		1	137	28.69	28.56	28.72
		1	271	28.69	28.56	28.71
		135	0	28.66	28.54	28.73
		135	69	28.70	28.52	28.72
		135	138	28.67	28.55	28.71
		270	0	28.69	28.54	28.69
50M	DFT-S 16QAM	1	1	28.58	28.60	28.69
50M	DFT-S 64QAM	1	1	27.62	27.53	27.57
50M	DFT-S 256QAM	1	1	25.57	25.53	25.63
50M	CP QPSK	1	1	25.92	25.76	25.90
50M	CP 16QAM	1	1	25.69	25.65	25.75
50M	CP 64QAM	1	1	25.23	25.14	25.11
50M	CP 256QAM	1	1	22.25	22.36	22.28

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635333
		Frequence (MHz)		3470.01	3500.01	3529.995
40M	DFT-S PI/2 BPSK	1	1	**28.86**	28.74	28.69
		1	123	28.78	28.65	28.60
		1	243	28.73	28.69	28.61
		120	0	28.78	28.64	28.60
		120	63	28.78	28.65	28.60
		120	125	28.74	28.61	28.61
		243	0	28.79	28.64	28.61
40M	DFT-S QPSK	1	1	28.80	28.60	28.60
		1	123	28.67	28.51	28.49
		1	243	28.69	28.54	28.50
		120	0	28.68	28.50	28.52
		120	63	28.70	28.53	28.54
		120	125	28.73	28.50	28.51
		243	0	28.68	28.45	28.49
40M	DFT-S 16QAM	1	1	28.61	28.64	28.60
40M	DFT-S 64QAM	1	1	27.59	27.45	27.62
40M	DFT-S 256QAM	1	1	25.57	25.63	25.51
40M	CP QPSK	1	1	25.71	25.75	25.78
40M	CP 16QAM	1	1	25.68	25.69	25.69
40M	CP 64QAM	1	1	25.21	25.17	25.22
40M	CP 256QAM	1	1	22.17	22.28	22.34

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630667	633334	636000
		Frequence (MHz)		3460.005	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	28.76	28.64	28.69
		1	109	28.63	28.52	28.57
		1	215	28.62	28.56	28.58
		108	0	28.64	28.56	28.59
		108	55	28.64	28.55	28.60
		108	109	28.65	28.55	28.64
		216	0	28.68	28.54	28.61
20M	DFT-S QPSK	1	1	28.74	28.70	**28.80**
		1	109	28.67	28.59	28.68
		1	215	28.60	28.61	28.74
		108	0	28.65	28.58	28.66
		108	55	28.65	28.61	28.73
		108	109	28.67	28.56	28.69
		216	0	28.64	28.61	28.71
20M	DFT-S 16QAM	1	1	28.60	28.56	28.59
20M	DFT-S 64QAM	1	1	27.50	27.49	27.57
20M	DFT-S 256QAM	1	1	25.55	25.57	25.67
20M	CP QPSK	1	1	25.88	25.82	25.84
20M	CP 16QAM	1	1	25.76	25.79	25.61
20M	CP 64QAM	1	1	25.18	25.07	25.20
20M	CP 256QAM	1	1	22.25	22.25	22.18

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	633334	636166
		Frequence (MHz)		3457.5	3500.01	3542.49
15M	DFT-S PI/2 BPSK	1	1	**28.96**	28.80	28.81
		1	95	28.89	28.68	28.73
		1	187	28.86	28.67	28.70
		90	0	28.84	28.72	28.69
		90	50	28.83	28.69	28.71
		90	99	28.83	28.70	28.69
		180	0	28.81	28.71	28.70
15M	DFT-S QPSK	1	1	28.80	28.74	28.67
		1	95	28.70	28.67	28.58
		1	187	28.72	28.68	28.57
		90	0	28.72	28.60	28.55
		90	50	28.71	28.62	28.61
		90	99	28.71	28.67	28.54
		180	0	28.74	28.59	28.54
15M	DFT-S 16QAM	1	1	28.51	28.64	28.60
15M	DFT-S 64QAM	1	1	27.49	27.54	27.46
15M	DFT-S 256QAM	1	1	25.64	25.43	25.46
15M	CP QPSK	1	1	25.84	25.89	25.75
15M	CP 16QAM	1	1	25.76	25.71	25.74
15M	CP 64QAM	1	1	25.19	25.31	25.12
15M	CP 256QAM	1	1	22.22	22.27	22.20

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636333
		Frequence (MHz)		3455.01	3500.01	3544.995
10M	DFT-S PI/2 BPSK	1	1	**28.85**	28.70	28.72
		1	81	28.72	28.56	28.60
		1	160	28.72	28.60	28.65
		81	0	28.74	28.58	28.61
		81	41	28.74	28.62	28.63
		81	81	28.79	28.61	28.57
		162	0	28.73	28.63	28.64
10M	DFT-S QPSK	1	1	28.75	28.68	28.65
		1	81	28.63	28.59	28.53
		1	160	28.68	28.57	28.57
		81	0	28.62	28.60	28.58
		81	41	28.63	28.57	28.52
		81	81	28.63	28.59	28.57
		162	0	28.65	28.56	28.50
10M	DFT-S 16QAM	1	1	28.69	28.59	28.72
10M	DFT-S 64QAM	1	1	27.64	27.57	27.56
10M	DFT-S 256QAM	1	1	25.58	25.57	25.57
10M	CP QPSK	1	1	25.84	25.81	25.91
10M	CP 16QAM	1	1	25.70	25.83	25.70
10M	CP 64QAM	1	1	25.23	25.29	25.33
10M	CP 256QAM	1	1	22.28	22.19	22.24

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

7.1.2 NR n77 (3450-3550 MHz) SCS 30 kHz

Conducted Output Power (dBm)

NR Band 77 (Ant.: M1)				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequence (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	25.08
		1	137	24.87
		1	271	24.84
		135	0	24.85
		135	69	24.83
		135	138	24.81
		270	0	24.83
100M	DFT-S QPSK	1	1	24.79
		1	137	24.66
		1	271	24.69
		135	0	24.68
		135	69	24.72
		135	138	24.72
		270	0	24.74
100M	DFT-S 16QAM	1	1	24.03
100M	DFT-S 64QAM	1	1	22.66
100M	DFT-S 256QAM	1	1	20.66
100M	CP QPSK	1	1	21.95
100M	CP 16QAM	1	1	21.70
100M	CP 64QAM	1	1	21.22
100M	CP 256QAM	1	1	18.43

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequence (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	25.07	24.88	24.78
		1	123	24.95	24.78	24.63
		1	243	24.99	24.81	24.70
		120	0	24.94	24.83	24.70
		120	63	24.94	24.83	24.70
		120	125	24.96	24.82	24.66
		243	0	24.94	24.80	24.71
90M	DFT-S QPSK	1	1	24.82	24.91	24.84
		1	123	24.71	24.84	24.69
		1	243	24.69	24.83	24.75
		120	0	24.75	24.83	24.75
		120	63	24.76	24.83	24.71
		120	125	24.75	24.79	24.71
		243	0	24.68	24.77	24.76
90M	DFT-S 16QAM	1	1	23.76	23.95	23.77
90M	DFT-S 64QAM	1	1	22.85	22.92	22.65
90M	DFT-S 256QAM	1	1	20.68	20.69	20.80
90M	CP QPSK	1	1	21.99	22.02	21.83
90M	CP 16QAM	1	1	21.72	21.98	21.97
90M	CP 64QAM	1	1	21.29	21.39	21.18
90M	CP 256QAM	1	1	18.36	18.34	18.49

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequence (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	24.97	24.89	24.90
		1	109	24.83	24.77	24.80
		1	215	24.87	24.79	24.80
		108	0	24.86	24.75	24.78
		108	55	24.84	24.78	24.76
		108	109	24.83	24.84	24.82
		216	0	24.87	24.75	24.79
80M	DFT-S QPSK	1	1	25.00	24.84	24.82
		1	109	24.92	24.69	24.75
		1	215	24.90	24.73	24.77
		108	0	24.86	24.75	24.71
		108	55	24.89	24.77	24.73
		108	109	24.87	24.76	24.72
		216	0	24.92	24.73	24.75
80M	DFT-S 16QAM	1	1	23.92	24.04	23.99
80M	DFT-S 64QAM	1	1	22.64	22.90	22.85
80M	DFT-S 256QAM	1	1	20.57	20.59	20.78
80M	CP QPSK	1	1	21.98	21.89	22.04
80M	CP 16QAM	1	1	21.84	21.95	21.94
80M	CP 64QAM	1	1	21.12	21.24	21.33
80M	CP 256QAM	1	1	18.27	18.54	18.30

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequence (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	25.08	25.05	24.97
		1	95	24.98	24.91	24.83
		1	187	25.00	24.94	24.86
		90	0	24.96	24.91	24.83
		90	50	24.98	24.91	24.85
		90	99	24.97	24.96	24.91
		180	0	25.01	24.99	24.83
70M	DFT-S QPSK	1	1	24.92	24.91	24.68
		1	95	24.77	24.84	24.55
		1	187	24.79	24.78	24.56
		90	0	24.81	24.79	24.58
		90	50	24.84	24.84	24.55
		90	99	24.85	24.85	24.60
		180	0	24.84	24.84	24.62
70M	DFT-S 16QAM	1	1	23.93	23.78	23.94
70M	DFT-S 64QAM	1	1	22.71	22.89	22.79
70M	DFT-S 256QAM	1	1	20.64	20.73	20.74
70M	CP QPSK	1	1	21.92	21.81	22.07
70M	CP 16QAM	1	1	21.83	21.88	21.81
70M	CP 64QAM	1	1	21.21	21.21	21.33
70M	CP 256QAM	1	1	18.50	18.35	18.46

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequence (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	25.04	24.94	24.97
		1	81	24.91	24.84	24.83
		1	160	24.90	24.81	24.84
		81	0	24.95	24.83	24.83
		81	41	24.91	24.79	24.90
		81	81	24.93	24.79	24.92
		162	0	24.93	24.79	24.83
60M	DFT-S QPSK	1	1	24.99	24.93	24.77
		1	81	24.86	24.80	24.66
		1	160	24.86	24.78	24.69
		81	0	24.86	24.81	24.70
		81	41	24.93	24.84	24.67
		81	81	24.94	24.84	24.65
		162	0	24.88	24.86	24.71
60M	DFT-S 16QAM	1	1	23.83	23.88	23.76
60M	DFT-S 64QAM	1	1	22.69	22.64	22.84
60M	DFT-S 256QAM	1	1	20.80	20.79	20.56
60M	CP QPSK	1	1	22.02	22.09	22.05
60M	CP 16QAM	1	1	21.76	21.90	21.84
60M	CP 64QAM	1	1	21.17	21.29	21.37
60M	CP 256QAM	1	1	18.36	18.48	18.39

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631668	633334	635000
		Frequence (MHz)		3475.02	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	25.07	24.81	24.77
		1	67	25.02	24.73	24.65
		1	131	24.99	24.76	24.70
		64	0	24.92	24.66	24.67
		64	35	24.94	24.69	24.63
		64	69	25.01	24.72	24.72
		128	0	25.00	24.68	24.69
50M	DFT-S QPSK	1	1	24.77	24.74	24.83
		1	67	24.67	24.64	24.70
		1	131	24.68	24.63	24.70
		64	0	24.65	24.68	24.74
		64	35	24.71	24.61	24.72
		64	69	24.71	24.68	24.70
		128	0	24.62	24.63	24.68
50M	DFT-S 16QAM	1	1	23.99	23.79	23.80
50M	DFT-S 64QAM	1	1	22.71	22.67	22.89
50M	DFT-S 256QAM	1	1	20.72	20.78	20.58
50M	CP QPSK	1	1	21.96	21.95	22.07
50M	CP 16QAM	1	1	21.95	21.96	21.74
50M	CP 64QAM	1	1	21.40	21.40	21.19
50M	CP 256QAM	1	1	18.38	18.25	18.53

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequence (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	25.02	24.93	24.89
		1	53	24.94	24.84	24.80
		1	104	24.91	24.81	24.75
		50	0	24.90	24.87	24.79
		50	28	24.92	24.81	24.79
		50	56	24.97	24.88	24.78
		100	0	24.87	24.79	24.81
40M	DFT-S QPSK	1	1	24.91	24.95	24.94
		1	53	24.78	24.83	24.84
		1	104	24.86	24.90	24.82
		50	0	24.84	24.89	24.81
		50	28	24.85	24.89	24.87
		50	56	24.79	24.87	24.87
		100	0	24.82	24.84	24.79
40M	DFT-S 16QAM	1	1	23.83	24.05	23.78
40M	DFT-S 64QAM	1	1	22.88	22.73	22.90
40M	DFT-S 256QAM	1	1	20.56	20.69	20.73
40M	CP QPSK	1	1	21.79	22.08	22.01
40M	CP 16QAM	1	1	21.88	21.81	21.85
40M	CP 64QAM	1	1	21.20	21.14	21.17
40M	CP 256QAM	1	1	18.54	18.26	18.38

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequence (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	25.16	24.91	24.98
		1	39	24.90	24.89	24.94
		1	76	24.77	24.72	24.84
		36	0	24.83	24.94	24.79
		36	21	24.84	24.84	24.73
		36	42	25.04	24.92	24.92
		75	0	24.97	24.77	24.73
30M	DFT-S QPSK	1	1	25.01	25.02	25.08
		1	39	24.72	24.83	24.95
		1	76	24.96	24.96	24.87
		36	0	24.73	25.03	24.66
		36	21	24.82	25.04	24.93
		36	42	24.70	24.76	24.76
		75	0	24.77	24.86	24.75
30M	DFT-S 16QAM	1	1	23.74	24.06	23.89
30M	DFT-S 64QAM	1	1	22.73	22.59	22.76
30M	DFT-S 256QAM	1	1	20.65	20.74	20.83
30M	CP QPSK	1	1	21.64	22.10	21.94
30M	CP 16QAM	1	1	21.73	21.93	21.82
30M	CP 64QAM	1	1	21.14	21.24	21.32
30M	CP 256QAM	1	1	18.56	18.13	18.47

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequence (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	25.01	24.89	24.91
		1	26	24.95	24.74	24.79
		1	49	24.89	24.77	24.78
		25	0	24.89	24.78	24.79
		25	13	24.86	24.79	24.76
		25	26	24.90	24.77	24.78
		50	0	24.87	24.84	24.79
20M	DFT-S QPSK	1	1	25.02	24.73	24.76
		1	26	24.88	24.67	24.68
		1	49	24.91	24.60	24.62
		25	0	24.88	24.65	24.66
		25	13	24.89	24.59	24.71
		25	26	24.96	24.67	24.71
		50	0	24.96	24.67	24.63
20M	DFT-S 16QAM	1	1	23.93	23.81	23.95
20M	DFT-S 64QAM	1	1	22.85	22.80	22.80
20M	DFT-S 256QAM	1	1	20.81	20.78	20.71
20M	CP QPSK	1	1	21.98	21.82	22.07
20M	CP 16QAM	1	1	21.88	21.92	21.77
20M	CP 64QAM	1	1	21.11	21.15	21.29
20M	CP 256QAM	1	1	18.31	18.37	18.52

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	633334	636166
		Frequence (MHz)		3457.5	3500.01	3542.49
15M	DFT-S PI/2 BPSK	1	1	25.11	25.02	24.92
		1	19	25.06	24.94	24.85
		1	36	25.03	24.89	24.85
		18	0	25.04	24.93	24.85
		18	10	25.05	24.89	24.80
		18	20	24.96	24.97	24.86
		36	0	25.02	24.97	24.83
15M	DFT-S QPSK	1	1	24.88	24.71	24.81
		1	19	24.80	24.56	24.76
		1	36	24.80	24.60	24.74
		18	0	24.81	24.64	24.70
		18	10	24.82	24.66	24.68
		18	20	24.81	24.61	24.70
		36	0	24.78	24.65	24.73
15M	DFT-S 16QAM	1	1	24.01	23.88	23.96
15M	DFT-S 64QAM	1	1	22.63	22.69	22.73
15M	DFT-S 256QAM	1	1	20.74	20.58	20.70
15M	CP QPSK	1	1	22.06	22.02	22.04
15M	CP 16QAM	1	1	21.90	21.77	21.97
15M	CP 64QAM	1	1	21.39	21.26	21.36
15M	CP 256QAM	1	1	18.49	18.39	18.29

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636332
		Frequence (MHz)		3455.01	3500.01	3544.98
10M	DFT-S PI/2 BPSK	1	1	25.01	24.89	24.83
		1	11	24.88	24.80	24.78
		1	22	24.88	24.78	24.71
		12	0	24.86	24.83	24.69
		12	6	24.94	24.74	24.69
		12	12	24.95	24.75	24.77
		24	0	24.91	24.83	24.73
10M	DFT-S QPSK	1	1	24.92	24.72	24.85
		1	11	24.81	24.67	24.77
		1	22	24.87	24.58	24.76
		12	0	24.86	24.67	24.70
		12	6	24.83	24.65	24.70
		12	12	24.83	24.57	24.71
		24	0	24.83	24.59	24.71
10M	DFT-S 16QAM	1	1	24.01	23.78	23.81
10M	DFT-S 64QAM	1	1	22.66	22.71	22.93
10M	DFT-S 256QAM	1	1	20.62	20.69	20.68
10M	CP QPSK	1	1	22.01	22.00	22.05
10M	CP 16QAM	1	1	21.99	21.71	21.85
10M	CP 64QAM	1	1	21.13	21.20	21.38
10M	CP 256QAM	1	1	18.27	18.25	18.27

NR Band 77 (Ant.: M2)				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequence (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	25.11
		1	137	24.95
		1	271	24.97
		135	0	24.95
		135	69	24.94
		135	138	24.95
		270	0	24.88
100M	DFT-S QPSK	1	1	24.67
		1	137	24.54
		1	271	24.59
		135	0	24.52
		135	69	24.62
		135	138	24.62
		270	0	24.55
100M	DFT-S 16QAM	1	1	23.81
100M	DFT-S 64QAM	1	1	22.77
100M	DFT-S 256QAM	1	1	20.81
100M	CP QPSK	1	1	21.85
100M	CP 16QAM	1	1	22.00
100M	CP 64QAM	1	1	21.30
100M	CP 256QAM	1	1	18.26

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequence (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	24.88	24.76	24.84
		1	123	24.81	24.65	24.74
		1	243	24.78	24.63	24.78
		120	0	24.76	24.61	24.78
		120	63	24.83	24.70	24.76
		120	125	24.76	24.62	24.70
		243	0	24.79	24.67	24.71
90M	DFT-S QPSK	1	1	24.91	24.95	24.85
		1	123	24.85	24.85	24.72
		1	243	24.81	24.81	24.76
		120	0	24.80	24.85	24.74
		120	63	24.80	24.80	24.76
		120	125	24.77	24.82	24.78
		243	0	24.86	24.84	24.75
90M	DFT-S 16QAM	1	1	23.81	24.05	24.05
90M	DFT-S 64QAM	1	1	22.81	22.66	22.89
90M	DFT-S 256QAM	1	1	20.71	20.60	20.72
90M	CP QPSK	1	1	22.02	21.90	21.93
90M	CP 16QAM	1	1	21.82	21.76	21.83
90M	CP 64QAM	1	1	21.12	21.20	21.37
90M	CP 256QAM	1	1	18.35	18.36	18.29

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequence (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	24.92	24.89	24.90
		1	109	24.86	24.83	24.75
		1	215	24.77	24.78	24.85
		108	0	24.83	24.84	24.81
		108	55	24.77	24.78	24.75
		108	109	24.81	24.75	24.79
		216	0	24.87	24.82	24.85
80M	DFT-S QPSK	1	1	25.06	24.78	24.94
		1	109	24.92	24.66	24.79
		1	215	24.91	24.70	24.85
		108	0	25.00	24.69	24.79
		108	55	24.98	24.66	24.82
		108	109	24.94	24.67	24.83
		216	0	25.00	24.69	24.83
80M	DFT-S 16QAM	1	1	23.99	23.97	23.78
80M	DFT-S 64QAM	1	1	22.77	22.82	22.91
80M	DFT-S 256QAM	1	1	20.51	20.74	20.60
80M	CP QPSK	1	1	21.96	21.97	21.85
80M	CP 16QAM	1	1	21.97	21.97	21.78
80M	CP 64QAM	1	1	21.35	21.16	21.26
80M	CP 256QAM	1	1	18.45	18.37	18.40

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequence (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	24.94	24.77	24.87
		1	95	24.84	24.62	24.82
		1	187	24.83	24.68	24.74
		90	0	24.86	24.64	24.80
		90	50	24.89	24.72	24.78
		90	99	24.88	24.68	24.82
		180	0	24.87	24.68	24.77
70M	DFT-S QPSK	1	1	24.88	24.73	24.69
		1	95	24.73	24.68	24.59
		1	187	24.77	24.66	24.63
		90	0	24.77	24.59	24.61
		90	50	24.79	24.63	24.60
		90	99	24.80	24.65	24.57
		180	0	24.73	24.61	24.58
70M	DFT-S 16QAM	1	1	23.80	23.95	23.75
70M	DFT-S 64QAM	1	1	22.72	22.83	22.73
70M	DFT-S 256QAM	1	1	20.75	20.60	20.69
70M	CP QPSK	1	1	21.86	21.99	21.93
70M	CP 16QAM	1	1	21.71	22.00	21.88
70M	CP 64QAM	1	1	21.25	21.32	21.27
70M	CP 256QAM	1	1	18.50	18.40	18.49

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequence (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	25.05	25.04	24.95
		1	81	24.92	24.93	24.85
		1	160	25.00	24.93	24.90
		81	0	24.94	24.89	24.88
		81	41	24.95	24.89	24.86
		81	81	24.94	24.90	24.90
		162	0	25.00	24.89	24.84
60M	DFT-S QPSK	1	1	24.84	24.75	24.83
		1	81	24.71	24.65	24.68
		1	160	24.76	24.67	24.69
		81	0	24.79	24.70	24.68
		81	41	24.77	24.67	24.68
		81	81	24.75	24.60	24.77
		162	0	24.74	24.60	24.71
60M	DFT-S 16QAM	1	1	23.84	23.87	23.75
60M	DFT-S 64QAM	1	1	22.89	22.92	22.82
60M	DFT-S 256QAM	1	1	20.77	20.77	20.63
60M	CP QPSK	1	1	22.00	21.89	21.97
60M	CP 16QAM	1	1	21.81	21.85	21.98
60M	CP 64QAM	1	1	21.17	21.33	21.37
60M	CP 256QAM	1	1	18.43	18.26	18.35

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631668	633334	635000
		Frequence (MHz)		3475.02	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	25.03	24.91	24.89
		1	67	24.92	24.81	24.74
		1	131	24.89	24.76	24.84
		64	0	24.88	24.86	24.75
		64	35	24.91	24.81	24.80
		64	69	24.88	24.85	24.83
		128	0	24.95	24.85	24.81
50M	DFT-S QPSK	1	1	24.96	24.87	24.84
		1	67	24.82	24.74	24.73
		1	131	24.91	24.77	24.70
		64	0	24.85	24.77	24.77
		64	35	24.86	24.82	24.79
		64	69	24.82	24.81	24.79
		128	0	24.87	24.77	24.71
50M	DFT-S 16QAM	1	1	23.95	23.99	23.86
50M	DFT-S 64QAM	1	1	22.74	22.91	22.72
50M	DFT-S 256QAM	1	1	20.62	20.59	20.79
50M	CP QPSK	1	1	22.08	21.80	21.93
50M	CP 16QAM	1	1	21.75	21.90	21.84
50M	CP 64QAM	1	1	21.12	21.38	21.24
50M	CP 256QAM	1	1	18.49	18.38	18.49

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequence (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	24.90	24.88	24.90
		1	53	24.75	24.81	24.79
		1	104	24.83	24.80	24.77
		50	0	24.75	24.77	24.85
		50	28	24.82	24.73	24.78
		50	56	24.85	24.79	24.79
		100	0	24.84	24.73	24.82
40M	DFT-S QPSK	1	1	24.89	24.73	24.81
		1	53	24.80	24.66	24.70
		1	104	24.82	24.58	24.75
		50	0	24.80	24.58	24.69
		50	28	24.74	24.64	24.73
		50	56	24.83	24.60	24.70
		100	0	24.80	24.64	24.76
40M	DFT-S 16QAM	1	1	24.00	23.82	23.82
40M	DFT-S 64QAM	1	1	22.86	22.64	22.64
40M	DFT-S 256QAM	1	1	20.52	20.59	20.64
40M	CP QPSK	1	1	21.98	21.84	21.97
40M	CP 16QAM	1	1	21.89	21.85	21.84
40M	CP 64QAM	1	1	21.18	21.11	21.24
40M	CP 256QAM	1	1	18.26	18.39	18.33

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequence (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	24.86	24.88	24.82
		1	39	24.90	24.66	24.70
		1	76	24.95	24.70	24.84
		36	0	24.71	24.89	24.94
		36	21	24.67	24.65	24.70
		36	42	24.71	24.84	24.69
		75	0	24.75	24.73	24.72
30M	DFT-S QPSK	1	1	24.84	24.64	24.70
		1	39	24.85	24.72	24.66
		1	76	24.86	24.70	24.72
		36	0	24.66	24.69	24.64
		36	21	24.70	24.63	24.74
		36	42	24.69	24.60	24.68
		75	0	24.95	24.51	24.75
30M	DFT-S 16QAM	1	1	24.06	23.76	23.97
30M	DFT-S 64QAM	1	1	22.96	22.59	22.51
30M	DFT-S 256QAM	1	1	20.37	20.72	20.77
30M	CP QPSK	1	1	21.94	21.94	21.88
30M	CP 16QAM	1	1	21.91	21.92	21.74
30M	CP 64QAM	1	1	21.06	21.26	21.21
30M	CP 256QAM	1	1	18.30	18.52	18.26

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequence (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	25.11	24.93	25.00
		1	26	25.05	24.79	24.91
		1	49	25.05	24.82	24.94
		25	0	25.02	24.78	24.93
		25	13	24.96	24.84	24.92
		25	26	25.04	24.82	24.93
		50	0	24.98	24.87	24.86
20M	DFT-S QPSK	1	1	24.86	24.74	24.69
		1	26	24.81	24.62	24.54
		1	49	24.78	24.66	24.61
		25	0	24.72	24.68	24.58
		25	13	24.78	24.69	24.55
		25	26	24.74	24.65	24.58
		50	0	24.72	24.66	24.57
20M	DFT-S 16QAM	1	1	23.87	23.96	23.94
20M	DFT-S 64QAM	1	1	22.69	22.63	22.83
20M	DFT-S 256QAM	1	1	20.60	20.80	20.72
20M	CP QPSK	1	1	22.06	22.08	21.89
20M	CP 16QAM	1	1	21.74	21.88	21.88
20M	CP 64QAM	1	1	21.35	21.21	21.18
20M	CP 256QAM	1	1	18.45	18.30	18.40

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	633334	636166
		Frequence (MHz)		3457.5	3500.01	3542.49
15M	DFT-S PI/2 BPSK	1	1	25.04	25.00	24.80
		1	19	24.95	24.93	24.71
		1	36	24.89	24.88	24.71
		18	0	24.94	24.86	24.72
		18	10	24.96	24.89	24.74
		18	20	24.99	24.93	24.75
		36	0	24.94	24.89	24.72
15M	DFT-S QPSK	1	1	24.85	24.83	24.80
		1	19	24.79	24.78	24.71
		1	36	24.77	24.77	24.68
		18	0	24.73	24.78	24.66
		18	10	24.73	24.73	24.71
		18	20	24.70	24.69	24.67
		36	0	24.80	24.70	24.67
15M	DFT-S 16QAM	1	1	23.96	23.79	23.86
15M	DFT-S 64QAM	1	1	22.91	22.77	22.80
15M	DFT-S 256QAM	1	1	20.78	20.75	20.54
15M	CP QPSK	1	1	21.94	21.94	21.98
15M	CP 16QAM	1	1	21.75	21.72	21.87
15M	CP 64QAM	1	1	21.15	21.11	21.30
15M	CP 256QAM	1	1	18.30	18.55	18.31

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636332
		Frequence (MHz)		3455.01	3500.01	3544.98
10M	DFT-S PI/2 BPSK	1	1	25.04	24.79	24.93
		1	11	25.09	24.68	24.88
		1	22	25.02	24.68	24.81
		12	0	25.02	24.67	24.81
		12	6	25.00	24.68	24.87
		12	12	24.99	24.66	24.84
		24	0	25.00	24.69	24.80
10M	DFT-S QPSK	1	1	24.90	24.84	24.83
		1	11	24.77	24.73	24.76
		1	22	24.75	24.74	24.73
		12	0	24.78	24.75	24.75
		12	6	24.83	24.70	24.68
		12	12	24.84	24.76	24.70
		24	0	24.82	24.78	24.75
10M	DFT-S 16QAM	1	1	24.04	23.95	23.90
10M	DFT-S 64QAM	1	1	22.70	22.63	22.88
10M	DFT-S 256QAM	1	1	20.53	20.66	20.76
10M	CP QPSK	1	1	21.99	21.81	22.04
10M	CP 16QAM	1	1	21.99	21.95	21.82
10M	CP 64QAM	1	1	21.16	21.21	21.11
10M	CP 256QAM	1	1	18.50	18.50	18.44

NR Band 77 (MIMO)				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequence (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	28.11
		1	137	27.92
		1	271	27.92
		135	0	27.91
		135	69	27.90
		135	138	27.89
		270	0	27.87
100M	DFT-S QPSK	1	1	27.74
		1	137	27.61
		1	271	27.65
		135	0	27.61
		135	69	27.68
		135	138	27.68
		270	0	27.66
100M	DFT-S 16QAM	1	1	26.93
100M	DFT-S 64QAM	1	1	25.73
100M	DFT-S 256QAM	1	1	23.75
100M	CP QPSK	1	1	24.91
100M	CP 16QAM	1	1	24.86
100M	CP 64QAM	1	1	24.27
100M	CP 256QAM	1	1	21.36

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequence (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	27.99	27.83	27.82
		1	123	27.89	27.73	27.70
		1	243	27.90	27.73	27.75
		120	0	27.86	27.73	27.75
		120	63	27.90	27.78	27.74
		120	125	27.87	27.73	27.69
		243	0	27.88	27.75	27.72
90M	DFT-S QPSK	1	1	27.88	27.94	27.86
		1	123	27.79	27.86	27.72
		1	243	27.76	27.83	27.77
		120	0	27.79	27.85	27.76
		120	63	27.79	27.83	27.75
		120	125	27.77	27.82	27.76
		243	0	27.78	27.82	27.77
90M	DFT-S 16QAM	1	1	26.80	27.01	26.92
90M	DFT-S 64QAM	1	1	25.84	25.80	25.78
90M	DFT-S 256QAM	1	1	23.71	23.66	23.77
90M	CP QPSK	1	1	25.02	24.97	24.89
90M	CP 16QAM	1	1	24.78	24.88	24.91
90M	CP 64QAM	1	1	24.22	24.31	24.29
90M	CP 256QAM	1	1	21.37	21.36	21.40

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequence (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	27.96	27.90	27.91
		1	109	27.86	27.81	27.79
		1	215	27.83	27.80	27.84
		108	0	27.86	27.81	27.81
		108	55	27.82	27.79	27.77
		108	109	27.83	27.81	27.82
		216	0	27.88	27.80	27.83
80M	DFT-S QPSK	1	1	28.04	27.82	27.89
		1	109	27.93	27.69	27.78
		1	215	27.92	27.73	27.82
		108	0	27.94	27.73	27.76
		108	55	27.95	27.73	27.79
		108	109	27.92	27.73	27.79
		216	0	27.97	27.72	27.80
80M	DFT-S 16QAM	1	1	26.97	27.02	26.90
80M	DFT-S 64QAM	1	1	25.72	25.87	25.89
80M	DFT-S 256QAM	1	1	23.55	23.68	23.70
80M	CP QPSK	1	1	24.98	24.94	24.96
80M	CP 16QAM	1	1	24.92	24.97	24.87
80M	CP 64QAM	1	1	24.25	24.21	24.31
80M	CP 256QAM	1	1	21.37	21.47	21.36

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequence (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	28.02	27.92	27.93
		1	95	27.92	27.78	27.84
		1	187	27.93	27.82	27.81
		90	0	27.92	27.79	27.83
		90	50	27.95	27.83	27.83
		90	99	27.94	27.83	27.88
		180	0	27.95	27.85	27.81
70M	DFT-S QPSK	1	1	27.91	27.83	27.70
		1	95	27.76	27.77	27.58
		1	187	27.79	27.73	27.61
		90	0	27.80	27.70	27.61
		90	50	27.83	27.75	27.59
		90	99	27.84	27.76	27.60
		180	0	27.80	27.74	27.61
70M	DFT-S 16QAM	1	1	26.88	26.88	26.86
70M	DFT-S 64QAM	1	1	25.73	25.87	25.77
70M	DFT-S 256QAM	1	1	23.71	23.68	23.73
70M	CP QPSK	1	1	24.90	24.91	25.01
70M	CP 16QAM	1	1	24.78	24.95	24.86
70M	CP 64QAM	1	1	24.24	24.28	24.31
70M	CP 256QAM	1	1	21.51	21.39	21.49

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequence (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	28.06	28.00	27.97
		1	81	27.93	27.90	27.85
		1	160	27.96	27.88	27.88
		81	0	27.96	27.87	27.87
		81	41	27.94	27.85	27.89
		81	81	27.95	27.86	27.92
		162	0	27.98	27.85	27.85
60M	DFT-S QPSK	1	1	27.93	27.85	27.81
		1	81	27.80	27.74	27.68
		1	160	27.82	27.74	27.70
		81	0	27.84	27.77	27.70
		81	41	27.86	27.77	27.69
		81	81	27.86	27.73	27.72
		162	0	27.82	27.74	27.72
60M	DFT-S 16QAM	1	1	26.85	26.89	26.77
60M	DFT-S 64QAM	1	1	25.80	25.79	25.84
60M	DFT-S 256QAM	1	1	23.80	23.79	23.61
60M	CP QPSK	1	1	25.02	25.00	25.02
60M	CP 16QAM	1	1	24.80	24.89	24.92
60M	CP 64QAM	1	1	24.18	24.32	24.38
60M	CP 256QAM	1	1	21.41	21.38	21.38

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631668	633334	635000
		Frequence (MHz)		3475.02	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	28.06	27.87	27.84
		1	67	27.98	27.78	27.71
		1	131	27.95	27.77	27.78
		64	0	27.91	27.77	27.72
		64	35	27.94	27.76	27.73
		64	69	27.96	27.80	27.79
		128	0	27.99	27.78	27.76
50M	DFT-S QPSK	1	1	27.88	27.82	27.85
		1	67	27.76	27.70	27.73
		1	131	27.81	27.71	27.71
		64	0	27.76	27.74	27.77
		64	35	27.80	27.73	27.77
		64	69	27.78	27.76	27.76
		128	0	27.76	27.71	27.71
50M	DFT-S 16QAM	1	1	26.98	26.90	26.84
50M	DFT-S 64QAM	1	1	25.74	25.80	25.82
50M	DFT-S 256QAM	1	1	23.68	23.70	23.70
50M	CP QPSK	1	1	25.03	24.89	25.01
50M	CP 16QAM	1	1	24.86	24.94	24.80
50M	CP 64QAM	1	1	24.27	24.40	24.23
50M	CP 256QAM	1	1	21.45	21.33	21.52

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequence (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	27.97	27.92	27.91
		1	53	27.86	27.84	27.81
		1	104	27.88	27.82	27.77
		50	0	27.84	27.83	27.83
		50	28	27.88	27.78	27.80
		50	56	27.92	27.85	27.80
		100	0	27.87	27.77	27.83
40M	DFT-S QPSK	1	1	27.91	27.85	27.89
		1	53	27.80	27.76	27.78
		1	104	27.85	27.75	27.80
		50	0	27.83	27.75	27.76
		50	28	27.81	27.78	27.81
		50	56	27.82	27.75	27.80
		100	0	27.82	27.75	27.79
40M	DFT-S 16QAM	1	1	26.93	26.95	26.81
40M	DFT-S 64QAM	1	1	25.88	25.70	25.78
40M	DFT-S 256QAM	1	1	23.55	23.65	23.70
40M	CP QPSK	1	1	24.90	24.97	25.00
40M	CP 16QAM	1	1	24.90	24.84	24.86
40M	CP 64QAM	1	1	24.20	24.14	24.22
40M	CP 256QAM	1	1	21.41	21.34	21.37

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequence (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	28.02	27.91	27.91
		1	39	27.91	27.79	27.83
		1	76	27.87	27.72	27.85
		36	0	27.78	27.93	27.88
		36	21	27.77	27.76	27.73
		36	42	27.89	27.89	27.82
		75	0	27.87	27.76	27.74
30M	DFT-S QPSK	1	1	27.94	27.84	27.90
		1	39	27.80	27.79	27.82
		1	76	27.92	27.84	27.81
		36	0	27.71	27.87	27.66
		36	21	27.77	27.85	27.85
		36	42	27.71	27.69	27.73
		75	0	27.87	27.70	27.76
30M	DFT-S 16QAM	1	1	26.91	26.92	26.94
30M	DFT-S 64QAM	1	1	25.86	25.60	25.65
30M	DFT-S 256QAM	1	1	23.52	23.74	23.81
30M	CP QPSK	1	1	24.80	25.03	24.92
30M	CP 16QAM	1	1	24.83	24.94	24.79
30M	CP 64QAM	1	1	24.11	24.26	24.28
30M	CP 256QAM	1	1	21.44	21.34	21.38

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequence (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	28.07	27.92	27.97
		1	26	28.01	27.78	27.86
		1	49	27.98	27.81	27.87
		25	0	27.97	27.79	27.87
		25	13	27.92	27.83	27.85
		25	26	27.98	27.81	27.87
		50	0	27.94	27.87	27.84
20M	DFT-S QPSK	1	1	27.95	27.75	27.74
		1	26	27.86	27.66	27.62
		1	49	27.86	27.64	27.63
		25	0	27.81	27.68	27.63
		25	13	27.85	27.65	27.64
		25	26	27.86	27.67	27.66
		50	0	27.85	27.68	27.61
20M	DFT-S 16QAM	1	1	26.91	26.90	26.96
20M	DFT-S 64QAM	1	1	25.78	25.73	25.83
20M	DFT-S 256QAM	1	1	23.72	23.80	23.73
20M	CP QPSK	1	1	25.03	24.96	24.99
20M	CP 16QAM	1	1	24.82	24.91	24.84
20M	CP 64QAM	1	1	24.24	24.19	24.25
20M	CP 256QAM	1	1	21.39	21.35	21.47

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	633334	636166
		Frequence (MHz)		3457.5	3500.01	3542.49
15M	DFT-S PI/2 BPSK	1	1	28.09	28.02	27.87
		1	19	28.02	27.95	27.79
		1	36	27.97	27.90	27.79
		18	0	28.00	27.91	27.80
		18	10	28.02	27.90	27.78
		18	20	27.99	27.96	27.82
		36	0	27.99	27.94	27.79
15M	DFT-S QPSK	1	1	27.88	27.78	27.82
		1	19	27.81	27.68	27.75
		1	36	27.80	27.70	27.72
		18	0	27.78	27.72	27.69
		18	10	27.79	27.71	27.71
		18	20	27.77	27.66	27.70
		36	0	27.80	27.69	27.71
15M	DFT-S 16QAM	1	1	27.00	26.85	26.92
15M	DFT-S 64QAM	1	1	25.78	25.74	25.78
15M	DFT-S 256QAM	1	1	23.77	23.68	23.63
15M	CP QPSK	1	1	25.01	24.99	25.02
15M	CP 16QAM	1	1	24.84	24.76	24.93
15M	CP 64QAM	1	1	24.28	24.20	24.34
15M	CP 256QAM	1	1	21.41	21.48	21.31

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636332
		Frequence (MHz)		3455.01	3500.01	3544.98
10M	DFT-S PI/2 BPSK	1	1	28.04	27.85	27.89
		1	11	28.00	27.75	27.84
		1	22	27.96	27.74	27.77
		12	0	27.95	27.76	27.76
		12	6	27.98	27.72	27.79
		12	12	27.98	27.72	27.82
		24	0	27.97	27.77	27.78
10M	DFT-S QPSK	1	1	27.92	27.79	27.85
		1	11	27.80	27.71	27.78
		1	22	27.82	27.67	27.76
		12	0	27.83	27.72	27.74
		12	6	27.84	27.69	27.70
		12	12	27.85	27.68	27.72
		24	0	27.84	27.70	27.74
10M	DFT-S 16QAM	1	1	27.04	26.88	26.87
10M	DFT-S 64QAM	1	1	25.69	25.68	25.92
10M	DFT-S 256QAM	1	1	23.59	23.69	23.73
10M	CP QPSK	1	1	25.01	24.92	25.06
10M	CP 16QAM	1	1	25.00	24.84	24.85
10M	CP 64QAM	1	1	24.16	24.22	24.26
10M	CP 256QAM	1	1	21.40	21.39	21.37

EIRP Power (dBm)

NR Band 77 (MIMO)				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequence (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	**29.02**
		1	137	28.83
		1	271	28.83
		135	0	28.82
		135	69	28.81
		135	138	28.80
		270	0	28.78
100M	DFT-S QPSK	1	1	28.65
		1	137	28.52
		1	271	28.56
		135	0	28.52
		135	69	28.59
		135	138	28.59
		270	0	28.57
100M	DFT-S 16QAM	1	1	27.84
100M	DFT-S 64QAM	1	1	26.64
100M	DFT-S 256QAM	1	1	24.66
100M	CP QPSK	1	1	25.82
100M	CP 16QAM	1	1	25.77
100M	CP 64QAM	1	1	25.18
100M	CP 256QAM	1	1	22.27

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequence (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	**28.90**	28.74	28.73
		1	123	28.80	28.64	28.61
		1	243	28.81	28.64	28.66
		120	0	28.77	28.64	28.66
		120	63	28.81	28.69	28.65
		120	125	28.78	28.64	28.60
		243	0	28.79	28.66	28.63
90M	DFT-S QPSK	1	1	28.79	28.85	28.77
		1	123	28.70	28.77	28.63
		1	243	28.67	28.74	28.68
		120	0	28.70	28.76	28.67
		120	63	28.70	28.74	28.66
		120	125	28.68	28.73	28.67
		243	0	28.69	28.73	28.68
90M	DFT-S 16QAM	1	1	27.71	27.92	27.83
90M	DFT-S 64QAM	1	1	26.75	26.71	26.69
90M	DFT-S 256QAM	1	1	24.62	24.57	24.68
90M	CP QPSK	1	1	25.93	25.88	25.80
90M	CP 16QAM	1	1	25.69	25.79	25.82
90M	CP 64QAM	1	1	25.13	25.22	25.20
90M	CP 256QAM	1	1	22.28	22.27	22.31

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequence (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	28.87	28.81	28.82
		1	109	28.77	28.72	28.70
		1	215	28.74	28.71	28.75
		108	0	28.77	28.72	28.72
		108	55	28.73	28.70	28.68
		108	109	28.74	28.72	28.73
		216	0	28.79	28.71	28.74
80M	DFT-S QPSK	1	1	**28.95**	28.73	28.80
		1	109	28.84	28.60	28.69
		1	215	28.83	28.64	28.73
		108	0	28.85	28.64	28.67
		108	55	28.86	28.64	28.70
		108	109	28.83	28.64	28.70
		216	0	28.88	28.63	28.71
80M	DFT-S 16QAM	1	1	27.88	27.93	27.81
80M	DFT-S 64QAM	1	1	26.63	26.78	26.80
80M	DFT-S 256QAM	1	1	24.46	24.59	24.61
80M	CP QPSK	1	1	25.89	25.85	25.87
80M	CP 16QAM	1	1	25.83	25.88	25.78
80M	CP 64QAM	1	1	25.16	25.12	25.22
80M	CP 256QAM	1	1	22.28	22.38	22.27

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequence (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	**28.93**	28.83	28.84
		1	95	28.83	28.69	28.75
		1	187	28.84	28.73	28.72
		90	0	28.83	28.70	28.74
		90	50	28.86	28.74	28.74
		90	99	28.85	28.74	28.79
		180	0	28.86	28.76	28.72
70M	DFT-S QPSK	1	1	28.82	28.74	28.61
		1	95	28.67	28.68	28.49
		1	187	28.70	28.64	28.52
		90	0	28.71	28.61	28.52
		90	50	28.74	28.66	28.50
		90	99	28.75	28.67	28.51
		180	0	28.71	28.65	28.52
70M	DFT-S 16QAM	1	1	27.79	27.79	27.77
70M	DFT-S 64QAM	1	1	26.64	26.78	26.68
70M	DFT-S 256QAM	1	1	24.62	24.59	24.64
70M	CP QPSK	1	1	25.81	25.82	25.92
70M	CP 16QAM	1	1	25.69	25.86	25.77
70M	CP 64QAM	1	1	25.15	25.19	25.22
70M	CP 256QAM	1	1	22.42	22.30	22.40

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequence (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	**28.97**	28.91	28.88
		1	81	28.84	28.81	28.76
		1	160	28.87	28.79	28.79
		81	0	28.87	28.78	28.78
		81	41	28.85	28.76	28.80
		81	81	28.86	28.77	28.83
		162	0	28.89	28.76	28.76
60M	DFT-S QPSK	1	1	28.84	28.76	28.72
		1	81	28.71	28.65	28.59
		1	160	28.73	28.65	28.61
		81	0	28.75	28.68	28.61
		81	41	28.77	28.68	28.60
		81	81	28.77	28.64	28.63
		162	0	28.73	28.65	28.63
60M	DFT-S 16QAM	1	1	27.76	27.80	27.68
60M	DFT-S 64QAM	1	1	26.71	26.70	26.75
60M	DFT-S 256QAM	1	1	24.71	24.70	24.52
60M	CP QPSK	1	1	25.93	25.91	25.93
60M	CP 16QAM	1	1	25.71	25.80	25.83
60M	CP 64QAM	1	1	25.09	25.23	25.29
60M	CP 256QAM	1	1	22.32	22.29	22.29

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631668	633334	635000
		Frequence (MHz)		3475.02	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	**28.97**	28.78	28.75
		1	67	28.89	28.69	28.62
		1	131	28.86	28.68	28.69
		64	0	28.82	28.68	28.63
		64	35	28.85	28.67	28.64
		64	69	28.87	28.71	28.70
		128	0	28.90	28.69	28.67
50M	DFT-S QPSK	1	1	28.79	28.73	28.76
		1	67	28.67	28.61	28.64
		1	131	28.72	28.62	28.62
		64	0	28.67	28.65	28.68
		64	35	28.71	28.64	28.68
		64	69	28.69	28.67	28.67
		128	0	28.67	28.62	28.62
50M	DFT-S 16QAM	1	1	27.89	27.81	27.75
50M	DFT-S 64QAM	1	1	26.65	26.71	26.73
50M	DFT-S 256QAM	1	1	24.59	24.61	24.61
50M	CP QPSK	1	1	25.94	25.80	25.92
50M	CP 16QAM	1	1	25.77	25.85	25.71
50M	CP 64QAM	1	1	25.18	25.31	25.14
50M	CP 256QAM	1	1	22.36	22.24	22.43

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequence (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	**28.88**	28.83	28.82
		1	53	28.77	28.75	28.72
		1	104	28.79	28.73	28.68
		50	0	28.75	28.74	28.74
		50	28	28.79	28.69	28.71
		50	56	28.83	28.76	28.71
		100	0	28.78	28.68	28.74
40M	DFT-S QPSK	1	1	28.82	28.76	28.80
		1	53	28.71	28.67	28.69
		1	104	28.76	28.66	28.71
		50	0	28.74	28.66	28.67
		50	28	28.72	28.69	28.72
		50	56	28.73	28.66	28.71
		100	0	28.73	28.66	28.70
40M	DFT-S 16QAM	1	1	27.84	27.86	27.72
40M	DFT-S 64QAM	1	1	26.79	26.61	26.69
40M	DFT-S 256QAM	1	1	24.46	24.56	24.61
40M	CP QPSK	1	1	25.81	25.88	25.91
40M	CP 16QAM	1	1	25.81	25.75	25.77
40M	CP 64QAM	1	1	25.11	25.05	25.13
40M	CP 256QAM	1	1	22.32	22.25	22.28

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequence (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	**28.93**	28.82	28.82
		1	39	28.82	28.70	28.74
		1	76	28.78	28.63	28.76
		36	0	28.69	28.84	28.79
		36	21	28.68	28.67	28.64
		36	42	28.80	28.80	28.73
		75	0	28.78	28.67	28.65
30M	DFT-S QPSK	1	1	28.85	28.75	28.81
		1	39	28.71	28.70	28.73
		1	76	28.83	28.75	28.72
		36	0	28.62	28.78	28.57
		36	21	28.68	28.76	28.76
		36	42	28.62	28.60	28.64
		75	0	28.78	28.61	28.67
30M	DFT-S 16QAM	1	1	27.82	27.83	27.85
30M	DFT-S 64QAM	1	1	26.77	26.51	26.56
30M	DFT-S 256QAM	1	1	24.43	24.65	24.72
30M	CP QPSK	1	1	25.71	25.94	25.83
30M	CP 16QAM	1	1	25.74	25.85	25.70
30M	CP 64QAM	1	1	25.02	25.17	25.19
30M	CP 256QAM	1	1	22.35	22.25	22.29

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequence (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	**28.98**	28.83	28.88
		1	26	28.92	28.69	28.77
		1	49	28.89	28.72	28.78
		25	0	28.88	28.70	28.78
		25	13	28.83	28.74	28.76
		25	26	28.89	28.72	28.78
		50	0	28.85	28.78	28.75
20M	DFT-S QPSK	1	1	28.86	28.66	28.65
		1	26	28.77	28.57	28.53
		1	49	28.77	28.55	28.54
		25	0	28.72	28.59	28.54
		25	13	28.76	28.56	28.55
		25	26	28.77	28.58	28.57
		50	0	28.76	28.59	28.52
20M	DFT-S 16QAM	1	1	27.82	27.81	27.87
20M	DFT-S 64QAM	1	1	26.69	26.64	26.74
20M	DFT-S 256QAM	1	1	24.63	24.71	24.64
20M	CP QPSK	1	1	25.94	25.87	25.90
20M	CP 16QAM	1	1	25.73	25.82	25.75
20M	CP 64QAM	1	1	25.15	25.10	25.16
20M	CP 256QAM	1	1	22.30	22.26	22.38

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	633334	636166
		Frequence (MHz)		3457.5	3500.01	3542.49
15M	DFT-S PI/2 BPSK	1	1	**29.00**	28.93	28.78
		1	19	28.93	28.86	28.70
		1	36	28.88	28.81	28.70
		18	0	28.91	28.82	28.71
		18	10	28.93	28.81	28.69
		18	20	28.90	28.87	28.73
		36	0	28.90	28.85	28.70
15M	DFT-S QPSK	1	1	28.79	28.69	28.73
		1	19	28.72	28.59	28.66
		1	36	28.71	28.61	28.63
		18	0	28.69	28.63	28.60
		18	10	28.70	28.62	28.62
		18	20	28.68	28.57	28.61
		36	0	28.71	28.60	28.62
15M	DFT-S 16QAM	1	1	27.91	27.76	27.83
15M	DFT-S 64QAM	1	1	26.69	26.65	26.69
15M	DFT-S 256QAM	1	1	24.68	24.59	24.54
15M	CP QPSK	1	1	25.92	25.90	25.93
15M	CP 16QAM	1	1	25.75	25.67	25.84
15M	CP 64QAM	1	1	25.19	25.11	25.25
15M	CP 256QAM	1	1	22.32	22.39	22.22

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636332
		Frequence (MHz)		3455.01	3500.01	3544.98
10M	DFT-S PI/2 BPSK	1	1	**28.95**	28.76	28.80
		1	11	28.91	28.66	28.75
		1	22	28.87	28.65	28.68
		12	0	28.86	28.67	28.67
		12	6	28.89	28.63	28.70
		12	12	28.89	28.63	28.73
		24	0	28.88	28.68	28.69
10M	DFT-S QPSK	1	1	28.83	28.70	28.76
		1	11	28.71	28.62	28.69
		1	22	28.73	28.58	28.67
		12	0	28.74	28.63	28.65
		12	6	28.75	28.60	28.61
		12	12	28.76	28.59	28.63
		24	0	28.75	28.61	28.65
10M	DFT-S 16QAM	1	1	27.95	27.79	27.78
10M	DFT-S 64QAM	1	1	26.60	26.59	26.83
10M	DFT-S 256QAM	1	1	24.50	24.60	24.64
10M	CP QPSK	1	1	25.92	25.83	25.97
10M	CP 16QAM	1	1	25.91	25.75	25.76
10M	CP 64QAM	1	1	25.07	25.13	25.17
10M	CP 256QAM	1	1	22.31	22.30	22.28

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

7.1.3 NR n77 (3700-3980 MHz) SCS 15 kHz

Conducted Output Power (dBm)

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	24.86	24.77	24.85
		1	137	24.80	24.71	24.70
		1	271	24.79	24.72	24.71
		135	0	24.81	24.62	24.80
		135	69	24.78	24.68	24.76
		135	138	24.80	24.72	24.78
		270	0	24.76	24.70	24.73
50M	DFT-S QPSK	1	1	24.74	24.87	24.60
		1	137	24.61	24.77	24.48
		1	271	24.66	24.76	24.55
		135	0	24.62	24.77	24.51
		135	69	24.66	24.79	24.49
		135	138	24.63	24.80	24.55
		270	0	24.63	24.78	24.46
50M	DFT-S 16QAM	1	1	24.62	24.73	24.76
50M	DFT-S 64QAM	1	1	23.77	23.65	23.54
50M	DFT-S 256QAM	1	1	21.53	21.65	21.51
50M	CP QPSK	1	1	21.73	21.79	21.82
50M	CP 16QAM	1	1	21.91	21.82	21.84
50M	CP 64QAM	1	1	21.38	21.17	21.15
50M	CP 256QAM	1	1	18.26	18.27	18.26

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	24.80	24.70	24.69
		1	123	24.70	24.58	24.57
		1	243	24.71	24.60	24.55
		120	0	24.71	24.63	24.64
		120	63	24.68	24.58	24.55
		120	125	24.68	24.62	24.64
		243	0	24.70	24.64	24.58
40M	DFT-S QPSK	1	1	24.93	24.74	24.74
		1	123	24.80	24.59	24.63
		1	243	24.85	24.66	24.64
		120	0	24.78	24.61	24.65
		120	63	24.88	24.59	24.68
		120	125	24.81	24.60	24.65
		243	0	24.85	24.62	24.69
40M	DFT-S 16QAM	1	1	24.55	24.75	24.80
40M	DFT-S 64QAM	1	1	23.53	23.57	23.64
40M	DFT-S 256QAM	1	1	21.63	21.49	21.58
40M	CP QPSK	1	1	21.93	21.91	21.71
40M	CP 16QAM	1	1	21.77	21.93	21.75
40M	CP 64QAM	1	1	21.27	21.21	21.26
40M	CP 256QAM	1	1	18.20	18.34	18.43

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	25.07	24.94	24.75
		1	109	24.94	24.88	24.61
		1	215	24.97	24.79	24.69
		108	0	25.02	24.81	24.64
		108	55	25.02	24.88	24.60
		108	109	25.02	24.82	24.68
		216	0	24.96	24.88	24.64
20M	DFT-S QPSK	1	1	24.90	24.71	24.81
		1	109	24.83	24.57	24.68
		1	215	24.78	24.61	24.73
		108	0	24.79	24.59	24.66
		108	55	24.78	24.58	24.76
		108	109	24.77	24.66	24.67
		216	0	24.79	24.64	24.69
20M	DFT-S 16QAM	1	1	24.52	24.58	24.53
20M	DFT-S 64QAM	1	1	23.67	23.62	23.64
20M	DFT-S 256QAM	1	1	21.56	21.59	21.61
20M	CP QPSK	1	1	21.95	21.92	21.93
20M	CP 16QAM	1	1	21.80	21.70	21.68
20M	CP 64QAM	1	1	21.31	21.43	21.18
20M	CP 256QAM	1	1	18.22	18.44	18.46

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647167	6560000	664833
		Frequence (MHz)		3707.505	3840	3972.495
15M	DFT-S PI/2 BPSK	1	1	24.88	24.86	24.78
		1	95	24.75	24.73	24.72
		1	187	24.75	24.81	24.68
		90	0	24.83	24.73	24.72
		90	50	24.80	24.81	24.69
		90	99	24.82	24.71	24.63
		180	0	24.76	24.79	24.66
15M	DFT-S QPSK	1	1	24.76	24.67	24.84
		1	95	24.71	24.54	24.79
		1	187	24.61	24.53	24.69
		90	0	24.70	24.58	24.72
		90	50	24.67	24.62	24.73
		90	99	24.64	24.58	24.79
		180	0	24.69	24.55	24.78
15M	DFT-S 16QAM	1	1	24.64	24.62	24.53
15M	DFT-S 64QAM	1	1	23.74	23.60	23.60
15M	DFT-S 256QAM	1	1	21.64	21.46	21.63
15M	CP QPSK	1	1	21.90	21.77	21.92
15M	CP 16QAM	1	1	21.77	21.79	21.74
15M	CP 64QAM	1	1	21.25	21.38	21.22
15M	CP 256QAM	1	1	18.38	18.20	18.32

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	25.00	24.87	24.96
		1	81	24.90	24.80	24.86
		1	160	24.92	24.73	24.83
		81	0	24.85	24.78	24.88
		81	41	24.85	24.78	24.89
		81	81	24.85	24.79	24.84
		162	0	24.91	24.72	24.89
10M	DFT-S QPSK	1	1	24.70	24.72	24.89
		1	81	24.60	24.60	24.79
		1	160	24.65	24.60	24.84
		81	0	24.55	24.63	24.74
		81	41	24.58	24.58	24.76
		81	81	24.56	24.58	24.76
		162	0	24.62	24.65	24.76
10M	DFT-S 16QAM	1	1	24.69	24.59	24.76
10M	DFT-S 64QAM	1	1	23.64	23.52	23.66
10M	DFT-S 256QAM	1	1	21.71	21.63	21.54
10M	CP QPSK	1	1	21.83	21.76	21.76
10M	CP 16QAM	1	1	21.94	21.65	21.77
10M	CP 64QAM	1	1	21.19	21.33	21.39
10M	CP 256QAM	1	1	18.23	18.45	18.35

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	24.91	24.74	24.71
		1	137	24.78	24.69	24.58
		1	271	24.77	24.66	24.61
		135	0	24.82	24.68	24.60
		135	69	24.77	24.64	24.58
		135	138	24.83	24.64	24.58
		270	0	24.84	24.65	24.63
50M	DFT-S QPSK	1	1	25.00	24.61	24.67
		1	137	24.85	24.55	24.59
		1	271	24.95	24.50	24.60
		135	0	24.90	24.53	24.55
		135	69	24.88	24.53	24.59
		135	138	24.92	24.55	24.59
		270	0	24.93	24.55	24.60
50M	DFT-S 16QAM	1	1	24.75	24.59	24.74
50M	DFT-S 64QAM	1	1	23.79	23.81	23.72
50M	DFT-S 256QAM	1	1	21.53	21.70	21.68
50M	CP QPSK	1	1	21.97	21.92	21.89
50M	CP 16QAM	1	1	21.82	21.89	21.66
50M	CP 64QAM	1	1	21.34	21.38	21.17
50M	CP 256QAM	1	1	18.30	18.33	18.43

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	25.04	24.74	24.88
		1	123	24.99	24.69	24.78
		1	243	24.98	24.63	24.73
		120	0	24.97	24.60	24.76
		120	63	24.91	24.64	24.77
		120	125	24.97	24.67	24.73
		243	0	24.99	24.59	24.73
40M	DFT-S QPSK	1	1	24.81	24.71	24.88
		1	123	24.72	24.60	24.74
		1	243	24.72	24.63	24.82
		120	0	24.70	24.56	24.74
		120	63	24.73	24.63	24.74
		120	125	24.71	24.63	24.78
		243	0	24.69	24.60	24.76
40M	DFT-S 16QAM	1	1	24.72	24.55	24.80
40M	DFT-S 64QAM	1	1	23.75	23.73	23.56
40M	DFT-S 256QAM	1	1	21.65	21.61	21.57
40M	CP QPSK	1	1	21.94	22.01	21.90
40M	CP 16QAM	1	1	21.65	21.76	21.91
40M	CP 64QAM	1	1	21.33	21.42	21.16
40M	CP 256QAM	1	1	18.29	18.44	18.37

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	25.04	24.71	24.78
		1	109	24.92	24.56	24.66
		1	215	24.90	24.61	24.63
		108	0	24.89	24.60	24.69
		108	55	24.94	24.61	24.67
		108	109	24.89	24.65	24.69
		216	0	24.97	24.62	24.64
20M	DFT-S QPSK	1	1	24.81	24.62	24.63
		1	109	24.69	24.55	24.48
		1	215	24.66	24.52	24.56
		108	0	24.74	24.53	24.53
		108	55	24.76	24.52	24.54
		108	109	24.72	24.49	24.57
		216	0	24.67	24.52	24.50
20M	DFT-S 16QAM	1	1	24.64	24.67	24.55
20M	DFT-S 64QAM	1	1	23.77	23.75	23.81
20M	DFT-S 256QAM	1	1	21.73	21.67	21.64
20M	CP QPSK	1	1	21.90	22.00	21.77
20M	CP 16QAM	1	1	21.68	21.69	21.69
20M	CP 64QAM	1	1	21.41	21.40	21.35
20M	CP 256QAM	1	1	18.45	18.23	18.42

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647167	6560000	664833
		Frequence (MHz)		3707.505	3840	3972.495
15M	DFT-S PI/2 BPSK	1	1	25.04	24.93	24.71
		1	95	24.92	24.87	24.56
		1	187	24.95	24.79	24.59
		90	0	24.96	24.83	24.65
		90	50	24.90	24.87	24.63
		90	99	24.95	24.83	24.63
		180	0	24.92	24.83	24.56
15M	DFT-S QPSK	1	1	24.86	24.73	24.61
		1	95	24.80	24.58	24.49
		1	187	24.72	24.62	24.52
		90	0	24.78	24.62	24.50
		90	50	24.75	24.64	24.55
		90	99	24.74	24.64	24.49
		180	0	24.81	24.63	24.54
15M	DFT-S 16QAM	1	1	24.56	24.53	24.55
15M	DFT-S 64QAM	1	1	23.61	23.67	23.70
15M	DFT-S 256QAM	1	1	21.50	21.65	21.55
15M	CP QPSK	1	1	21.72	21.77	21.84
15M	CP 16QAM	1	1	21.86	21.80	21.87
15M	CP 64QAM	1	1	21.38	21.21	21.25
15M	CP 256QAM	1	1	18.20	18.45	18.23

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	24.99	24.89	24.80
		1	81	24.86	24.78	24.72
		1	160	24.93	24.74	24.65
		81	0	24.86	24.76	24.65
		81	41	24.88	24.79	24.74
		81	81	24.94	24.74	24.75
		162	0	24.84	24.77	24.65
10M	DFT-S QPSK	1	1	24.90	24.64	24.83
		1	81	24.78	24.57	24.70
		1	160	24.84	24.52	24.71
		81	0	24.82	24.59	24.68
		81	41	24.81	24.56	24.73
		81	81	24.77	24.50	24.77
		162	0	24.79	24.56	24.72
10M	DFT-S 16QAM	1	1	24.63	24.53	24.72
10M	DFT-S 64QAM	1	1	23.70	23.57	23.78
10M	DFT-S 256QAM	1	1	21.52	21.72	21.53
10M	CP QPSK	1	1	21.74	21.88	21.78
10M	CP 16QAM	1	1	21.94	21.89	21.74
10M	CP 64QAM	1	1	21.35	21.25	21.15
10M	CP 256QAM	1	1	18.47	18.24	18.31

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	27.90	27.77	27.79
		1	137	27.80	27.71	27.65
		1	271	27.79	27.70	27.67
		135	0	27.83	27.66	27.71
		135	69	27.79	27.67	27.68
		135	138	27.83	27.69	27.69
		270	0	27.81	27.69	27.69
50M	DFT-S QPSK	1	1	27.88	27.75	27.65
		1	137	27.74	27.67	27.55
		1	271	27.82	27.64	27.59
		135	0	27.77	27.66	27.54
		135	69	27.78	27.67	27.55
		135	138	27.79	27.69	27.58
		270	0	27.79	27.68	27.54
50M	DFT-S 16QAM	1	1	27.70	27.67	27.76
50M	DFT-S 64QAM	1	1	26.79	26.74	26.64
50M	DFT-S 256QAM	1	1	24.54	24.69	24.61
50M	CP QPSK	1	1	24.86	24.87	24.87
50M	CP 16QAM	1	1	24.88	24.87	24.76
50M	CP 64QAM	1	1	24.37	24.29	24.17
50M	CP 256QAM	1	1	21.29	21.31	21.36

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	27.93	27.73	27.80
		1	123	27.86	27.65	27.69
		1	243	27.86	27.63	27.65
		120	0	27.85	27.63	27.71
		120	63	27.81	27.62	27.67
		120	125	27.84	27.66	27.70
		243	0	27.86	27.63	27.67
40M	DFT-S QPSK	1	1	27.88	27.74	27.82
		1	123	27.77	27.61	27.70
		1	243	27.80	27.66	27.74
		120	0	27.75	27.60	27.71
		120	63	27.82	27.62	27.72
		120	125	27.77	27.63	27.73
		243	0	27.78	27.62	27.74
40M	DFT-S 16QAM	1	1	27.65	27.66	27.81
40M	DFT-S 64QAM	1	1	26.65	26.66	26.61
40M	DFT-S 256QAM	1	1	24.65	24.56	24.59
40M	CP QPSK	1	1	24.95	24.97	24.82
40M	CP 16QAM	1	1	24.72	24.86	24.84
40M	CP 64QAM	1	1	24.31	24.33	24.22
40M	CP 256QAM	1	1	21.26	21.40	21.41

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	28.07	27.84	27.78
		1	109	27.94	27.73	27.65
		1	215	27.95	27.71	27.67
		108	0	27.97	27.72	27.68
		108	55	27.99	27.76	27.65
		108	109	27.97	27.75	27.70
		216	0	27.98	27.76	27.65
20M	DFT-S QPSK	1	1	27.87	27.68	27.73
		1	109	27.77	27.57	27.59
		1	215	27.73	27.58	27.66
		108	0	27.78	27.57	27.61
		108	55	27.78	27.56	27.66
		108	109	27.76	27.59	27.63
		216	0	27.74	27.59	27.61
20M	DFT-S 16QAM	1	1	27.59	27.64	27.55
20M	DFT-S 64QAM	1	1	26.73	26.70	26.74
20M	DFT-S 256QAM	1	1	24.66	24.64	24.64
20M	CP QPSK	1	1	24.94	24.97	24.86
20M	CP 16QAM	1	1	24.75	24.71	24.70
20M	CP 64QAM	1	1	24.37	24.43	24.28
20M	CP 256QAM	1	1	21.35	21.35	21.45

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647167	6560000	664833
		Frequence (MHz)		3707.505	3840	3972.495
15M	DFT-S PI/2 BPSK	1	1	27.97	27.91	27.76
		1	95	27.85	27.81	27.65
		1	187	27.86	27.81	27.65
		90	0	27.91	27.79	27.70
		90	50	27.86	27.85	27.67
		90	99	27.90	27.78	27.64
		180	0	27.85	27.82	27.62
15M	DFT-S QPSK	1	1	27.82	27.71	27.74
		1	95	27.77	27.57	27.65
		1	187	27.68	27.59	27.62
		90	0	27.75	27.61	27.62
		90	50	27.72	27.64	27.65
		90	99	27.70	27.62	27.65
		180	0	27.76	27.60	27.67
15M	DFT-S 16QAM	1	1	27.61	27.59	27.55
15M	DFT-S 64QAM	1	1	26.69	26.65	26.66
15M	DFT-S 256QAM	1	1	24.58	24.57	24.60
15M	CP QPSK	1	1	24.82	24.78	24.89
15M	CP 16QAM	1	1	24.83	24.81	24.82
15M	CP 64QAM	1	1	24.33	24.31	24.25
15M	CP 256QAM	1	1	21.30	21.34	21.29

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	28.01	27.89	27.89
		1	81	27.89	27.80	27.80
		1	160	27.94	27.75	27.75
		81	0	27.87	27.78	27.78
		81	41	27.88	27.80	27.83
		81	81	27.91	27.78	27.81
		162	0	27.89	27.76	27.78
10M	DFT-S QPSK	1	1	27.81	27.69	27.87
		1	81	27.70	27.60	27.76
		1	160	27.76	27.57	27.79
		81	0	27.70	27.62	27.72
		81	41	27.71	27.58	27.76
		81	81	27.68	27.55	27.78
		162	0	27.72	27.62	27.75
10M	DFT-S 16QAM	1	1	27.67	27.57	27.75
10M	DFT-S 64QAM	1	1	26.68	26.56	26.73
10M	DFT-S 256QAM	1	1	24.63	24.69	24.55
10M	CP QPSK	1	1	24.80	24.83	24.78
10M	CP 16QAM	1	1	24.95	24.78	24.77
10M	CP 64QAM	1	1	24.28	24.30	24.28
10M	CP 256QAM	1	1	21.36	21.36	21.34

EIRP Power (dBm)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	**28.81**	28.68	28.70
		1	137	28.71	28.62	28.56
		1	271	28.70	28.61	28.58
		135	0	28.74	28.57	28.62
		135	69	28.70	28.58	28.59
		135	138	28.74	28.60	28.60
		270	0	28.72	28.60	28.60
50M	DFT-S QPSK	1	1	28.79	28.66	28.56
		1	137	28.65	28.58	28.46
		1	271	28.73	28.55	28.50
		135	0	28.68	28.57	28.45
		135	69	28.69	28.58	28.46
		135	138	28.70	28.60	28.49
		270	0	28.70	28.59	28.45
50M	DFT-S 16QAM	1	1	28.61	28.58	28.67
50M	DFT-S 64QAM	1	1	27.70	27.65	27.55
50M	DFT-S 256QAM	1	1	25.45	25.60	25.52
50M	CP QPSK	1	1	25.77	25.78	25.78
50M	CP 16QAM	1	1	25.79	25.78	25.67
50M	CP 64QAM	1	1	25.28	25.20	25.08
50M	CP 256QAM	1	1	22.20	22.22	22.27

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	**28.84**	28.64	28.71
		1	123	28.77	28.56	28.60
		1	243	28.77	28.54	28.56
		120	0	28.76	28.54	28.62
		120	63	28.72	28.53	28.58
		120	125	28.75	28.57	28.61
		243	0	28.77	28.54	28.58
40M	DFT-S QPSK	1	1	28.79	28.65	28.73
		1	123	28.68	28.52	28.61
		1	243	28.71	28.57	28.65
		120	0	28.66	28.51	28.62
		120	63	28.73	28.53	28.63
		120	125	28.68	28.54	28.64
		243	0	28.69	28.53	28.65
40M	DFT-S 16QAM	1	1	28.56	28.57	28.72
40M	DFT-S 64QAM	1	1	27.56	27.57	27.52
40M	DFT-S 256QAM	1	1	25.56	25.47	25.50
40M	CP QPSK	1	1	25.86	25.88	25.73
40M	CP 16QAM	1	1	25.63	25.77	25.75
40M	CP 64QAM	1	1	25.22	25.24	25.13
40M	CP 256QAM	1	1	22.17	22.31	22.32

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	**28.98**	28.75	28.69
		1	109	28.85	28.64	28.56
		1	215	28.86	28.62	28.58
		108	0	28.88	28.63	28.59
		108	55	28.90	28.67	28.56
		108	109	28.88	28.66	28.61
		216	0	28.89	28.67	28.56
20M	DFT-S QPSK	1	1	28.78	28.59	28.64
		1	109	28.68	28.48	28.50
		1	215	28.64	28.49	28.57
		108	0	28.69	28.48	28.52
		108	55	28.69	28.47	28.57
		108	109	28.67	28.50	28.54
		216	0	28.65	28.50	28.52
20M	DFT-S 16QAM	1	1	28.50	28.55	28.46
20M	DFT-S 64QAM	1	1	27.64	27.61	27.65
20M	DFT-S 256QAM	1	1	25.57	25.55	25.55
20M	CP QPSK	1	1	25.85	25.88	25.77
20M	CP 16QAM	1	1	25.66	25.62	25.61
20M	CP 64QAM	1	1	25.28	25.34	25.19
20M	CP 256QAM	1	1	22.26	22.26	22.36

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647167	6560000	664833
		Frequence (MHz)		3707.505	3840	3972.495
15M	DFT-S PI/2 BPSK	1	1	**28.88**	28.82	28.67
		1	95	28.76	28.72	28.56
		1	187	28.77	28.72	28.56
		90	0	28.82	28.70	28.61
		90	50	28.77	28.76	28.58
		90	99	28.81	28.69	28.55
		180	0	28.76	28.73	28.53
15M	DFT-S QPSK	1	1	28.73	28.62	28.65
		1	95	28.68	28.48	28.56
		1	187	28.59	28.50	28.53
		90	0	28.66	28.52	28.53
		90	50	28.63	28.55	28.56
		90	99	28.61	28.53	28.56
		180	0	28.67	28.51	28.58
15M	DFT-S 16QAM	1	1	28.52	28.50	28.46
15M	DFT-S 64QAM	1	1	27.60	27.56	27.57
15M	DFT-S 256QAM	1	1	25.49	25.48	25.51
15M	CP QPSK	1	1	25.73	25.69	25.80
15M	CP 16QAM	1	1	25.74	25.72	25.73
15M	CP 64QAM	1	1	25.24	25.22	25.16
15M	CP 256QAM	1	1	22.21	22.25	22.20

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	**28.92**	28.80	28.80
		1	81	28.80	28.71	28.71
		1	160	28.85	28.66	28.66
		81	0	28.78	28.69	28.69
		81	41	28.79	28.71	28.74
		81	81	28.82	28.69	28.72
		162	0	28.80	28.67	28.69
10M	DFT-S QPSK	1	1	28.72	28.60	28.78
		1	81	28.61	28.51	28.67
		1	160	28.67	28.48	28.70
		81	0	28.61	28.53	28.63
		81	41	28.62	28.49	28.67
		81	81	28.59	28.46	28.69
		162	0	28.63	28.53	28.66
10M	DFT-S 16QAM	1	1	28.58	28.48	28.66
10M	DFT-S 64QAM	1	1	27.59	27.47	27.64
10M	DFT-S 256QAM	1	1	25.54	25.60	25.46
10M	CP QPSK	1	1	25.71	25.74	25.69
10M	CP 16QAM	1	1	25.86	25.69	25.68
10M	CP 64QAM	1	1	25.19	25.21	25.19
10M	CP 256QAM	1	1	22.27	22.27	22.25

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

7.1.4 NR n77 (3700-3980 MHz) SCS 30 kHz

Conducted Output Power (dBm)

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequence (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	25.13	24.92	24.97
		1	137	25.02	24.77	24.86
		1	271	24.99	24.85	24.83
		135	0	25.05	24.78	24.82
		135	69	25.06	24.84	24.84
		135	138	25.08	24.78	24.86
		270	0	24.99	24.84	24.82
100M	DFT-S QPSK	1	1	25.07	24.93	24.69
		1	137	24.98	24.79	24.55
		1	271	24.96	24.82	24.58
		135	0	24.94	24.78	24.56
		135	69	24.95	24.81	24.58
		135	138	25.01	24.85	24.54
		270	0	24.99	24.85	24.64
100M	DFT-S 16QAM	1	1	23.78	23.89	23.95
100M	DFT-S 64QAM	1	1	22.64	22.78	22.87
100M	DFT-S 256QAM	1	1	20.62	20.78	20.56
100M	CP QPSK	1	1	21.84	21.81	21.82
100M	CP 16QAM	1	1	21.91	21.70	21.85
100M	CP 64QAM	1	1	21.21	21.24	21.25
100M	CP 256QAM	1	1	18.33	18.49	18.50

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequence (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	24.95	24.88	24.84
		1	123	24.87	24.75	24.75
		1	243	24.83	24.74	24.76
		120	0	24.83	24.83	24.69
		120	63	24.83	24.78	24.69
		120	125	24.86	24.80	24.76
		243	0	24.87	24.81	24.71
90M	DFT-S QPSK	1	1	24.87	24.90	24.86
		1	123	24.82	24.85	24.78
		1	243	24.81	24.81	24.81
		120	0	24.76	24.78	24.74
		120	63	24.80	24.77	24.80
		120	125	24.73	24.85	24.74
		243	0	24.78	24.85	24.81
90M	DFT-S 16QAM	1	1	23.94	23.94	23.84
90M	DFT-S 64QAM	1	1	22.91	22.66	22.81
90M	DFT-S 256QAM	1	1	20.73	20.58	20.64
90M	CP QPSK	1	1	21.92	21.88	22.04
90M	CP 16QAM	1	1	21.92	21.76	21.81
90M	CP 64QAM	1	1	21.16	21.12	21.39
90M	CP 256QAM	1	1	18.52	18.52	18.50

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequence (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	25.02	24.92	24.85
		1	109	24.88	24.87	24.70
		1	215	24.96	24.78	24.75
		108	0	24.90	24.84	24.71
		108	55	24.92	24.85	24.73
		108	109	24.93	24.82	24.77
		216	0	24.96	24.81	24.79
80M	DFT-S QPSK	1	1	24.88	24.87	24.96
		1	109	24.75	24.77	24.82
		1	215	24.77	24.82	24.87
		108	0	24.82	24.73	24.88
		108	55	24.80	24.78	24.90
		108	109	24.83	24.76	24.90
		216	0	24.78	24.79	24.83
80M	DFT-S 16QAM	1	1	23.76	24.05	23.93
80M	DFT-S 64QAM	1	1	22.74	22.86	22.82
80M	DFT-S 256QAM	1	1	20.81	20.75	20.68
80M	CP QPSK	1	1	22.08	21.95	21.95
80M	CP 16QAM	1	1	22.00	21.84	21.81
80M	CP 64QAM	1	1	21.37	21.40	21.25
80M	CP 256QAM	1	1	18.34	18.53	18.55

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649000	6560000	663000
		Frequence (MHz)		3735	3840	3945
70M	DFT-S PI/2 BPSK	1	1	24.89	24.76	24.87
		1	95	24.79	24.66	24.76
		1	187	24.84	24.70	24.79
		90	0	24.76	24.64	24.77
		90	50	24.82	24.64	24.78
		90	99	24.79	24.68	24.72
		180	0	24.75	24.62	24.82
70M	DFT-S QPSK	1	1	25.04	24.83	24.78
		1	95	24.98	24.75	24.65
		1	187	24.93	24.78	24.68
		90	0	24.93	24.75	24.71
		90	50	24.98	24.74	24.64
		90	99	24.97	24.73	24.70
		180	0	24.93	24.76	24.72
70M	DFT-S 16QAM	1	1	23.99	23.91	23.99
70M	DFT-S 64QAM	1	1	22.76	22.83	22.67
70M	DFT-S 256QAM	1	1	20.62	20.70	20.51
70M	CP QPSK	1	1	21.79	22.04	21.87
70M	CP 16QAM	1	1	21.70	21.84	21.95
70M	CP 64QAM	1	1	21.26	21.18	21.16
70M	CP 256QAM	1	1	18.28	18.32	18.33

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequence (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	24.98	24.83	24.81
		1	81	24.93	24.68	24.66
		1	160	24.84	24.69	24.70
		81	0	24.92	24.76	24.69
		81	41	24.93	24.73	24.72
		81	81	24.86	24.70	24.71
		162	0	24.92	24.73	24.69
60M	DFT-S QPSK	1	1	24.82	24.96	24.89
		1	81	24.68	24.86	24.76
		1	160	24.71	24.87	24.78
		81	0	24.77	24.86	24.82
		81	41	24.75	24.88	24.74
		81	81	24.68	24.82	24.74
		162	0	24.77	24.84	24.77
60M	DFT-S 16QAM	1	1	23.93	23.93	23.88
60M	DFT-S 64QAM	1	1	22.63	22.63	22.82
60M	DFT-S 256QAM	1	1	20.75	20.59	20.64
60M	CP QPSK	1	1	21.91	22.00	21.92
60M	CP 16QAM	1	1	21.92	21.83	21.85
60M	CP 64QAM	1	1	21.22	21.26	21.18
60M	CP 256QAM	1	1	18.40	18.36	18.44

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	25.09	24.81	24.79
		1	67	24.98	24.75	24.65
		1	131	25.04	24.66	24.67
		64	0	24.97	24.70	24.71
		64	35	25.01	24.74	24.64
		64	69	25.04	24.71	24.67
		128	0	25.04	24.67	24.74
50M	DFT-S QPSK	1	1	25.06	24.80	24.70
		1	67	25.00	24.74	24.63
		1	131	25.01	24.73	24.59
		64	0	24.98	24.66	24.55
		64	35	24.98	24.69	24.64
		64	69	25.00	24.72	24.56
		128	0	24.92	24.72	24.64
50M	DFT-S 16QAM	1	1	23.83	23.76	24.05
50M	DFT-S 64QAM	1	1	22.89	22.76	22.76
50M	DFT-S 256QAM	1	1	20.76	20.58	20.61
50M	CP QPSK	1	1	22.06	22.04	21.80
50M	CP 16QAM	1	1	21.83	21.89	21.83
50M	CP 64QAM	1	1	21.19	21.25	21.19
50M	CP 256QAM	1	1	18.48	18.38	18.45

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	25.09	24.89	24.80
		1	53	25.05	24.80	24.75
		1	104	25.04	24.74	24.66
		50	0	25.04	24.74	24.66
		50	28	25.07	24.77	24.71
		50	56	25.09	24.83	24.68
		100	0	25.08	24.77	24.74
40M	DFT-S QPSK	1	1	24.77	24.83	24.86
		1	53	24.69	24.70	24.73
		1	104	24.67	24.73	24.77
		50	0	24.66	24.68	24.73
		50	28	24.63	24.71	24.76
		50	56	24.70	24.68	24.73
		100	0	24.62	24.77	24.71
40M	DFT-S 16QAM	1	1	24.03	23.98	23.92
40M	DFT-S 64QAM	1	1	22.82	22.83	22.84
40M	DFT-S 256QAM	1	1	20.81	20.80	20.53
40M	CP QPSK	1	1	21.88	21.85	21.91
40M	CP 16QAM	1	1	21.86	21.99	21.95
40M	CP 64QAM	1	1	21.34	21.30	21.32
40M	CP 256QAM	1	1	18.50	18.32	18.27

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequence (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	24.94	24.81	24.75
		1	39	25.17	24.76	24.67
		1	76	25.10	24.89	24.52
		36	0	25.11	24.82	24.70
		36	21	25.08	24.85	24.60
		36	42	24.95	24.75	24.78
		75	0	25.12	24.92	24.84
30M	DFT-S QPSK	1	1	24.66	24.70	24.83
		1	39	24.84	24.66	24.62
		1	76	24.59	24.83	24.63
		36	0	24.61	24.59	24.66
		36	21	24.55	24.79	24.68
		36	42	24.71	24.56	24.85
		75	0	24.76	24.85	24.80
30M	DFT-S 16QAM	1	1	23.95	23.93	23.88
30M	DFT-S 64QAM	1	1	22.80	22.81	22.75
30M	DFT-S 256QAM	1	1	20.91	20.81	20.46
30M	CP QPSK	1	1	21.77	21.87	21.96
30M	CP 16QAM	1	1	21.92	21.95	21.99
30M	CP 64QAM	1	1	21.47	21.20	21.17
30M	CP 256QAM	1	1	18.53	18.22	18.36

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	25.00	24.85	24.87
		1	26	24.90	24.80	24.79
		1	49	24.94	24.72	24.82
		25	0	24.88	24.72	24.79
		25	13	24.92	24.77	24.72
		25	26	24.88	24.76	24.79
		50	0	24.85	24.75	24.72
20M	DFT-S QPSK	1	1	24.89	24.76	24.70
		1	26	24.81	24.68	24.61
		1	49	24.84	24.64	24.60
		25	0	24.83	24.70	24.65
		25	13	24.75	24.63	24.56
		25	26	24.77	24.62	24.64
		50	0	24.77	24.70	24.58
20M	DFT-S 16QAM	1	1	23.86	23.94	23.83
20M	DFT-S 64QAM	1	1	22.65	22.83	22.77
20M	DFT-S 256QAM	1	1	20.55	20.76	20.58
20M	CP QPSK	1	1	21.96	21.81	21.90
20M	CP 16QAM	1	1	21.75	21.94	21.92
20M	CP 64QAM	1	1	21.25	21.16	21.41
20M	CP 256QAM	1	1	18.30	18.40	18.31

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequence (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	24.95	24.75	24.84
		1	19	24.79	24.64	24.75
		1	36	24.78	24.68	24.77
		18	0	24.74	24.64	24.70
		18	10	24.70	24.60	24.70
		18	20	24.72	24.70	24.70
		36	0	24.76	24.61	24.71
15M	DFT-S QPSK	1	1	24.97	24.74	24.88
		1	19	25.01	24.67	24.79
		1	36	24.98	24.64	24.74
		18	0	24.97	24.59	24.76
		18	10	24.98	24.69	24.73
		18	20	24.96	24.68	24.76
		36	0	24.92	24.67	24.73
15M	DFT-S 16QAM	1	1	23.88	23.88	23.96
15M	DFT-S 64QAM	1	1	22.64	22.68	22.68
15M	DFT-S 256QAM	1	1	20.81	20.53	20.61
15M	CP QPSK	1	1	21.94	21.99	21.97
15M	CP 16QAM	1	1	21.99	21.96	21.85
15M	CP 64QAM	1	1	21.40	21.22	21.32
15M	CP 256QAM	1	1	18.33	18.37	18.49

NR Band 77 (Ant.: M1)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	25.07	25.03	24.75
		1	11	24.97	24.91	24.62
		1	22	25.00	24.92	24.66
		12	0	24.92	24.93	24.69
		12	6	25.02	24.91	24.61
		12	12	24.95	24.91	24.60
		24	0	24.97	24.98	24.60
10M	DFT-S QPSK	1	1	24.82	24.80	24.72
		1	11	24.71	24.68	24.64
		1	22	24.72	24.66	24.66
		12	0	24.74	24.67	24.63
		12	6	24.74	24.70	24.57
		12	12	24.77	24.70	24.66
		24	0	24.67	24.65	24.58
10M	DFT-S 16QAM	1	1	24.05	23.86	23.80
10M	DFT-S 64QAM	1	1	22.81	22.82	22.65
10M	DFT-S 256QAM	1	1	20.55	20.60	20.58
10M	CP QPSK	1	1	22.03	21.82	21.82
10M	CP 16QAM	1	1	21.84	21.93	21.89
10M	CP 64QAM	1	1	21.17	21.12	21.31
10M	CP 256QAM	1	1	18.52	18.40	18.31

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequence (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	25.12	24.83	24.99
		1	137	25.02	24.77	24.87
		1	271	25.06	24.74	24.91
		135	0	25.02	24.71	24.90
		135	69	25.05	24.70	24.84
		135	138	25.04	24.76	24.91
		270	0	25.02	24.71	24.84
100M	DFT-S QPSK	1	1	24.93	24.71	24.67
		1	137	24.81	24.62	24.57
		1	271	24.79	24.56	24.61
		135	0	24.78	24.59	24.60
		135	69	24.84	24.58	24.60
		135	138	24.83	24.62	24.62
		270	0	24.78	24.65	24.55
100M	DFT-S 16QAM	1	1	23.96	23.89	24.02
100M	DFT-S 64QAM	1	1	22.66	22.78	22.79
100M	DFT-S 256QAM	1	1	20.63	20.66	20.53
100M	CP QPSK	1	1	22.05	21.85	21.98
100M	CP 16QAM	1	1	21.91	21.96	21.80
100M	CP 64QAM	1	1	21.23	21.35	21.11
100M	CP 256QAM	1	1	18.27	18.32	18.27

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequence (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	25.06	24.83	24.95
		1	123	24.93	24.76	24.87
		1	243	24.91	24.73	24.85
		120	0	24.98	24.70	24.90
		120	63	24.92	24.72	24.90
		120	125	25.01	24.78	24.90
		243	0	24.96	24.72	24.83
90M	DFT-S QPSK	1	1	24.84	24.97	24.73
		1	123	24.79	24.82	24.64
		1	243	24.73	24.86	24.58
		120	0	24.76	24.83	24.60
		120	63	24.70	24.90	24.68
		120	125	24.69	24.82	24.58
		243	0	24.77	24.92	24.65
90M	DFT-S 16QAM	1	1	24.04	23.78	23.96
90M	DFT-S 64QAM	1	1	22.84	22.89	22.84
90M	DFT-S 256QAM	1	1	20.73	20.55	20.58
90M	CP QPSK	1	1	21.83	21.96	22.05
90M	CP 16QAM	1	1	21.72	21.75	21.75
90M	CP 64QAM	1	1	21.24	21.30	21.36
90M	CP 256QAM	1	1	18.45	18.36	18.49

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequence (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	25.11	24.97	24.77
		1	109	24.97	24.88	24.70
		1	215	25.03	24.86	24.70
		108	0	24.97	24.88	24.65
		108	55	25.01	24.83	24.65
		108	109	25.01	24.90	24.63
		216	0	24.98	24.88	24.63
80M	DFT-S QPSK	1	1	24.83	24.88	24.71
		1	109	24.74	24.75	24.59
		1	215	24.76	24.83	24.60
		108	0	24.71	24.74	24.56
		108	55	24.77	24.74	24.66
		108	109	24.71	24.80	24.60
		216	0	24.78	24.76	24.63
80M	DFT-S 16QAM	1	1	23.93	23.84	24.02
80M	DFT-S 64QAM	1	1	22.69	22.67	22.75
80M	DFT-S 256QAM	1	1	20.55	20.78	20.54
80M	CP QPSK	1	1	21.81	22.04	21.94
80M	CP 16QAM	1	1	21.77	21.92	21.95
80M	CP 64QAM	1	1	21.21	21.11	21.36
80M	CP 256QAM	1	1	18.25	18.51	18.38

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649000	6560000	663000
		Frequence (MHz)		3735	3840	3945
70M	DFT-S PI/2 BPSK	1	1	25.06	24.82	24.92
		1	95	24.94	24.68	24.77
		1	187	24.91	24.67	24.80
		90	0	24.97	24.77	24.81
		90	50	24.97	24.70	24.79
		90	99	24.99	24.71	24.80
		180	0	24.94	24.76	24.84
70M	DFT-S QPSK	1	1	24.91	24.82	24.83
		1	95	24.77	24.75	24.69
		1	187	24.84	24.68	24.76
		90	0	24.77	24.73	24.77
		90	50	24.82	24.67	24.72
		90	99	24.82	24.73	24.75
		180	0	24.84	24.68	24.72
70M	DFT-S 16QAM	1	1	23.93	24.02	23.76
70M	DFT-S 64QAM	1	1	22.85	22.87	22.78
70M	DFT-S 256QAM	1	1	20.71	20.81	20.73
70M	CP QPSK	1	1	21.85	21.96	22.06
70M	CP 16QAM	1	1	21.82	21.99	21.82
70M	CP 64QAM	1	1	21.12	21.18	21.13
70M	CP 256QAM	1	1	18.36	18.45	18.50

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequence (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	24.89	24.76	24.78
		1	81	24.74	24.62	24.70
		1	160	24.83	24.64	24.67
		81	0	24.79	24.71	24.72
		81	41	24.80	24.68	24.66
		81	81	24.76	24.70	24.67
		162	0	24.77	24.71	24.67
60M	DFT-S QPSK	1	1	24.94	24.74	24.87
		1	81	24.82	24.65	24.81
		1	160	24.87	24.60	24.81
		81	0	24.79	24.64	24.76
		81	41	24.82	24.60	24.81
		81	81	24.84	24.64	24.82
		162	0	24.87	24.66	24.75
60M	DFT-S 16QAM	1	1	24.05	23.81	23.78
60M	DFT-S 64QAM	1	1	22.90	22.68	22.85
60M	DFT-S 256QAM	1	1	20.56	20.58	20.79
60M	CP QPSK	1	1	21.97	21.95	21.88
60M	CP 16QAM	1	1	21.82	21.80	21.75
60M	CP 64QAM	1	1	21.41	21.36	21.36
60M	CP 256QAM	1	1	18.51	18.55	18.47

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	24.98	24.88	24.86
		1	67	24.83	24.76	24.77
		1	131	24.83	24.83	24.76
		64	0	24.86	24.81	24.71
		64	35	24.83	24.75	24.72
		64	69	24.89	24.80	24.75
		128	0	24.83	24.75	24.72
50M	DFT-S QPSK	1	1	24.94	24.72	24.93
		1	67	24.89	24.64	24.79
		1	131	24.87	24.60	24.82
		64	0	24.89	24.59	24.80
		64	35	24.86	24.63	24.80
		64	69	24.88	24.62	24.88
		128	0	24.89	24.65	24.85
50M	DFT-S 16QAM	1	1	23.88	23.85	23.81
50M	DFT-S 64QAM	1	1	22.84	22.63	22.75
50M	DFT-S 256QAM	1	1	20.78	20.51	20.52
50M	CP QPSK	1	1	21.99	21.99	21.90
50M	CP 16QAM	1	1	21.74	21.89	21.72
50M	CP 64QAM	1	1	21.31	21.25	21.12
50M	CP 256QAM	1	1	18.25	18.48	18.55

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	25.04	24.95	24.99
		1	53	24.99	24.88	24.94
		1	104	24.91	24.81	24.92
		50	0	24.99	24.81	24.88
		50	28	24.90	24.90	24.85
		50	56	24.97	24.87	24.90
		100	0	24.94	24.80	24.90
40M	DFT-S QPSK	1	1	24.98	24.97	24.82
		1	53	24.87	24.82	24.67
		1	104	24.92	24.91	24.69
		50	0	24.92	24.89	24.69
		50	28	24.83	24.91	24.73
		50	56	24.91	24.83	24.70
		100	0	24.91	24.86	24.70
40M	DFT-S 16QAM	1	1	23.95	23.96	23.94
40M	DFT-S 64QAM	1	1	22.63	22.80	22.82
40M	DFT-S 256QAM	1	1	20.61	20.52	20.56
40M	CP QPSK	1	1	21.89	21.96	21.84
40M	CP 16QAM	1	1	21.79	21.86	21.85
40M	CP 64QAM	1	1	21.22	21.24	21.13
40M	CP 256QAM	1	1	18.45	18.45	18.36

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequence (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	25.19	24.96	24.95
		1	39	24.98	24.83	24.90
		1	76	24.90	24.71	24.96
		36	0	25.13	24.94	24.74
		36	21	24.81	24.93	24.73
		36	42	25.12	24.74	25.02
		75	0	25.03	24.75	24.94
30M	DFT-S QPSK	1	1	24.94	24.94	24.80
		1	39	24.82	24.86	24.55
		1	76	25.02	24.96	24.57
		36	0	25.00	24.93	24.62
		36	21	24.79	24.85	24.78
		36	42	24.80	24.94	24.74
		75	0	24.80	24.97	24.71
30M	DFT-S 16QAM	1	1	24.05	23.92	24.00
30M	DFT-S 64QAM	1	1	22.58	22.79	22.86
30M	DFT-S 256QAM	1	1	20.50	20.62	20.66
30M	CP QPSK	1	1	21.89	22.03	21.71
30M	CP 16QAM	1	1	21.94	21.89	21.82
30M	CP 64QAM	1	1	21.24	21.35	20.99
30M	CP 256QAM	1	1	18.37	18.30	18.27

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	25.01	24.82	24.94
		1	26	24.93	24.73	24.79
		1	49	24.86	24.71	24.81
		25	0	24.88	24.67	24.84
		25	13	24.93	24.73	24.89
		25	26	24.86	24.72	24.84
		50	0	24.93	24.69	24.88
20M	DFT-S QPSK	1	1	24.90	24.68	24.90
		1	26	24.75	24.63	24.80
		1	49	24.76	24.62	24.79
		25	0	24.79	24.59	24.75
		25	13	24.85	24.62	24.81
		25	26	24.78	24.54	24.75
		50	0	24.80	24.62	24.85
20M	DFT-S 16QAM	1	1	23.99	24.00	23.75
20M	DFT-S 64QAM	1	1	22.91	22.85	22.82
20M	DFT-S 256QAM	1	1	20.66	20.60	20.78
20M	CP QPSK	1	1	21.86	21.91	21.86
20M	CP 16QAM	1	1	21.71	21.81	21.91
20M	CP 64QAM	1	1	21.29	21.22	21.27
20M	CP 256QAM	1	1	18.39	18.45	18.50

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequence (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	25.05	24.89	24.84
		1	19	24.92	24.84	24.70
		1	36	24.98	24.78	24.78
		18	0	24.96	24.83	24.74
		18	10	24.90	24.79	24.74
		18	20	24.91	24.74	24.78
		36	0	24.91	24.80	24.69
15M	DFT-S QPSK	1	1	24.87	24.82	24.74
		1	19	24.89	24.70	24.59
		1	36	24.84	24.72	24.63
		18	0	24.87	24.70	24.61
		18	10	24.90	24.74	24.63
		18	20	24.82	24.75	24.69
		36	0	24.84	24.68	24.67
15M	DFT-S 16QAM	1	1	24.01	23.90	23.75
15M	DFT-S 64QAM	1	1	22.85	22.89	22.79
15M	DFT-S 256QAM	1	1	20.67	20.64	20.71
15M	CP QPSK	1	1	22.06	21.89	22.01
15M	CP 16QAM	1	1	21.85	21.75	21.87
15M	CP 64QAM	1	1	21.22	21.33	21.39
15M	CP 256QAM	1	1	18.27	18.39	18.46

NR Band 77 (Ant.: M2)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	25.04	24.80	25.00
		1	11	24.98	24.68	24.98
		1	22	24.97	24.67	24.96
		12	0	24.95	24.74	24.98
		12	6	24.91	24.69	24.93
		12	12	24.92	24.75	24.97
		24	0	24.90	24.74	24.90
10M	DFT-S QPSK	1	1	25.05	24.69	24.97
		1	11	24.95	24.55	24.91
		1	22	24.98	24.63	24.84
		12	0	24.94	24.54	24.86
		12	6	24.98	24.55	24.83
		12	12	24.92	24.63	24.91
		24	0	24.97	24.58	24.85
10M	DFT-S 16QAM	1	1	23.76	23.91	24.00
10M	DFT-S 64QAM	1	1	22.68	22.91	22.78
10M	DFT-S 256QAM	1	1	20.77	20.53	20.63
10M	CP QPSK	1	1	21.83	21.96	22.07
10M	CP 16QAM	1	1	21.84	21.82	21.80
10M	CP 64QAM	1	1	21.30	21.20	21.26
10M	CP 256QAM	1	1	18.27	18.49	18.41

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequence (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	28.14	27.89	27.99
		1	137	28.03	27.78	27.88
		1	271	28.04	27.81	27.88
		135	0	28.05	27.76	27.87
		135	69	28.07	27.78	27.85
		135	138	28.07	27.78	27.90
		270	0	28.02	27.79	27.84
100M	DFT-S QPSK	1	1	28.01	27.83	27.69
		1	137	27.91	27.72	27.57
		1	271	27.89	27.70	27.61
		135	0	27.87	27.70	27.59
		135	69	27.91	27.71	27.60
		135	138	27.93	27.75	27.59
		270	0	27.90	27.76	27.61
100M	DFT-S 16QAM	1	1	26.88	26.90	27.00
100M	DFT-S 64QAM	1	1	25.66	25.79	25.84
100M	DFT-S 256QAM	1	1	23.64	23.73	23.56
100M	CP QPSK	1	1	24.96	24.84	24.91
100M	CP 16QAM	1	1	24.92	24.84	24.84
100M	CP 64QAM	1	1	24.23	24.31	24.19
100M	CP 256QAM	1	1	21.31	21.42	21.40

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequence (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	28.02	27.87	27.91
		1	123	27.91	27.77	27.82
		1	243	27.88	27.75	27.82
		120	0	27.92	27.78	27.81
		120	63	27.89	27.76	27.81
		120	125	27.95	27.80	27.84
		243	0	27.93	27.78	27.78
90M	DFT-S QPSK	1	1	27.87	27.95	27.81
		1	123	27.82	27.85	27.72
		1	243	27.78	27.85	27.71
		120	0	27.77	27.82	27.68
		120	63	27.76	27.85	27.75
		120	125	27.72	27.85	27.67
		243	0	27.79	27.90	27.74
90M	DFT-S 16QAM	1	1	27.00	26.87	26.91
90M	DFT-S 64QAM	1	1	25.89	25.79	25.84
90M	DFT-S 256QAM	1	1	23.74	23.58	23.62
90M	CP QPSK	1	1	24.89	24.93	25.06
90M	CP 16QAM	1	1	24.83	24.77	24.79
90M	CP 64QAM	1	1	24.21	24.22	24.39
90M	CP 256QAM	1	1	21.50	21.45	21.51

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequence (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	28.08	27.96	27.82
		1	109	27.94	27.89	27.71
		1	215	28.01	27.83	27.74
		108	0	27.95	27.87	27.69
		108	55	27.98	27.85	27.70
		108	109	27.98	27.87	27.71
		216	0	27.98	27.86	27.72
80M	DFT-S QPSK	1	1	27.87	27.89	27.85
		1	109	27.76	27.77	27.72
		1	215	27.78	27.84	27.75
		108	0	27.78	27.75	27.73
		108	55	27.80	27.77	27.79
		108	109	27.78	27.79	27.76
		216	0	27.79	27.79	27.74
80M	DFT-S 16QAM	1	1	26.86	26.96	26.99
80M	DFT-S 64QAM	1	1	25.73	25.78	25.80
80M	DFT-S 256QAM	1	1	23.69	23.78	23.62
80M	CP QPSK	1	1	24.96	25.01	24.96
80M	CP 16QAM	1	1	24.90	24.89	24.89
80M	CP 64QAM	1	1	24.30	24.27	24.32
80M	CP 256QAM	1	1	21.31	21.53	21.48

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649000	6560000	663000
		Frequence (MHz)		3735	3840	3945
70M	DFT-S PI/2 BPSK	1	1	27.99	27.80	27.91
		1	95	27.88	27.68	27.78
		1	187	27.89	27.70	27.81
		90	0	27.88	27.72	27.80
		90	50	27.91	27.68	27.80
		90	99	27.90	27.71	27.77
		180	0	27.86	27.70	27.84
70M	DFT-S QPSK	1	1	27.99	27.84	27.82
		1	95	27.89	27.76	27.68
		1	187	27.90	27.74	27.73
		90	0	27.86	27.75	27.75
		90	50	27.91	27.72	27.69
		90	99	27.91	27.74	27.74
		180	0	27.90	27.73	27.73
70M	DFT-S 16QAM	1	1	26.97	26.98	26.89
70M	DFT-S 64QAM	1	1	25.82	25.86	25.74
70M	DFT-S 256QAM	1	1	23.68	23.77	23.63
70M	CP QPSK	1	1	24.83	25.01	24.98
70M	CP 16QAM	1	1	24.77	24.93	24.90
70M	CP 64QAM	1	1	24.20	24.19	24.16
70M	CP 256QAM	1	1	21.33	21.40	21.43

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequence (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	27.95	27.81	27.81
		1	81	27.85	27.66	27.69
		1	160	27.85	27.68	27.70
		81	0	27.87	27.75	27.72
		81	41	27.88	27.72	27.70
		81	81	27.82	27.71	27.70
		162	0	27.86	27.73	27.69
60M	DFT-S QPSK	1	1	27.89	27.86	27.89
		1	81	27.76	27.77	27.80
		1	160	27.80	27.75	27.81
		81	0	27.79	27.76	27.80
		81	41	27.80	27.75	27.79
		81	81	27.77	27.74	27.79
		162	0	27.83	27.76	27.77
60M	DFT-S 16QAM	1	1	27.00	26.88	26.84
60M	DFT-S 64QAM	1	1	25.78	25.67	25.85
60M	DFT-S 256QAM	1	1	23.67	23.60	23.73
60M	CP QPSK	1	1	24.95	24.99	24.91
60M	CP 16QAM	1	1	24.88	24.83	24.81
60M	CP 64QAM	1	1	24.33	24.32	24.28
60M	CP 256QAM	1	1	21.47	21.47	21.47

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	28.05	27.86	27.84
		1	67	27.92	27.77	27.72
		1	131	27.95	27.76	27.73
		64	0	27.93	27.77	27.72
		64	35	27.93	27.76	27.69
		64	69	27.98	27.77	27.72
		128	0	27.95	27.72	27.74
50M	DFT-S QPSK	1	1	28.01	27.77	27.83
		1	67	27.96	27.70	27.72
		1	131	27.95	27.68	27.72
		64	0	27.95	27.64	27.69
		64	35	27.93	27.67	27.73
		64	69	27.95	27.68	27.73
		128	0	27.92	27.70	27.76
50M	DFT-S 16QAM	1	1	26.87	26.82	26.94
50M	DFT-S 64QAM	1	1	25.88	25.71	25.77
50M	DFT-S 256QAM	1	1	23.78	23.56	23.58
50M	CP QPSK	1	1	25.04	25.03	24.86
50M	CP 16QAM	1	1	24.80	24.90	24.79
50M	CP 64QAM	1	1	24.26	24.26	24.17
50M	CP 256QAM	1	1	21.38	21.44	21.51

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	28.08	27.93	27.91
		1	53	28.03	27.85	27.86
		1	104	27.99	27.79	27.80
		50	0	28.03	27.79	27.78
		50	28	28.00	27.85	27.79
		50	56	28.04	27.86	27.80
		100	0	28.02	27.80	27.83
40M	DFT-S QPSK	1	1	27.89	27.91	27.85
		1	53	27.79	27.77	27.71
		1	104	27.81	27.83	27.74
		50	0	27.80	27.80	27.72
		50	28	27.74	27.82	27.76
		50	56	27.82	27.77	27.73
		100	0	27.78	27.83	27.72
40M	DFT-S 16QAM	1	1	27.00	26.98	26.94
40M	DFT-S 64QAM	1	1	25.74	25.83	25.84
40M	DFT-S 256QAM	1	1	23.72	23.67	23.56
40M	CP QPSK	1	1	24.90	24.92	24.89
40M	CP 16QAM	1	1	24.84	24.94	24.91
40M	CP 64QAM	1	1	24.29	24.28	24.24
40M	CP 256QAM	1	1	21.49	21.40	21.33

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequence (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	28.08	27.90	27.86
		1	39	28.09	27.81	27.80
		1	76	28.01	27.81	27.76
		36	0	28.13	27.89	27.73
		36	21	27.96	27.90	27.68
		36	42	28.05	27.76	27.91
		75	0	28.09	27.85	27.90
30M	DFT-S QPSK	1	1	27.81	27.83	27.83
		1	39	27.84	27.77	27.60
		1	76	27.82	27.91	27.61
		36	0	27.82	27.77	27.65
		36	21	27.68	27.83	27.74
		36	42	27.77	27.76	27.81
		75	0	27.79	27.92	27.77
30M	DFT-S 16QAM	1	1	27.01	26.94	26.95
30M	DFT-S 64QAM	1	1	25.70	25.81	25.82
30M	DFT-S 256QAM	1	1	23.72	23.73	23.57
30M	CP QPSK	1	1	24.84	24.96	24.85
30M	CP 16QAM	1	1	24.94	24.93	24.92
30M	CP 64QAM	1	1	24.37	24.29	24.09
30M	CP 256QAM	1	1	21.46	21.27	21.33

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	28.02	27.85	27.92
		1	26	27.93	27.78	27.80
		1	49	27.91	27.73	27.83
		25	0	27.89	27.71	27.83
		25	13	27.94	27.76	27.82
		25	26	27.88	27.75	27.83
		50	0	27.90	27.73	27.81
20M	DFT-S QPSK	1	1	27.91	27.73	27.81
		1	26	27.79	27.67	27.72
		1	49	27.81	27.64	27.71
		25	0	27.82	27.66	27.71
		25	13	27.81	27.64	27.70
		25	26	27.79	27.59	27.71
		50	0	27.80	27.67	27.73
20M	DFT-S 16QAM	1	1	26.94	26.98	26.80
20M	DFT-S 64QAM	1	1	25.79	25.85	25.81
20M	DFT-S 256QAM	1	1	23.62	23.69	23.69
20M	CP QPSK	1	1	24.92	24.87	24.89
20M	CP 16QAM	1	1	24.74	24.89	24.93
20M	CP 64QAM	1	1	24.28	24.20	24.35
20M	CP 256QAM	1	1	21.36	21.44	21.42

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequence (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	28.01	27.83	27.85
		1	19	27.87	27.75	27.74
		1	36	27.89	27.74	27.79
		18	0	27.86	27.75	27.73
		18	10	27.81	27.71	27.73
		18	20	27.83	27.73	27.75
		36	0	27.85	27.72	27.71
15M	DFT-S QPSK	1	1	27.93	27.79	27.82
		1	19	27.96	27.70	27.70
		1	36	27.92	27.69	27.70
		18	0	27.93	27.66	27.70
		18	10	27.95	27.73	27.69
		18	20	27.90	27.73	27.74
		36	0	27.89	27.69	27.71
15M	DFT-S 16QAM	1	1	26.96	26.90	26.87
15M	DFT-S 64QAM	1	1	25.76	25.80	25.75
15M	DFT-S 256QAM	1	1	23.75	23.60	23.67
15M	CP QPSK	1	1	25.01	24.95	25.00
15M	CP 16QAM	1	1	24.93	24.87	24.87
15M	CP 64QAM	1	1	24.32	24.29	24.37
15M	CP 256QAM	1	1	21.31	21.39	21.49

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	28.07	27.93	27.89
		1	11	27.99	27.81	27.81
		1	22	28.00	27.81	27.82
		12	0	27.95	27.85	27.85
		12	6	27.98	27.81	27.78
		12	12	27.95	27.84	27.80
		24	0	27.95	27.87	27.76
10M	DFT-S QPSK	1	1	27.95	27.76	27.86
		1	11	27.84	27.63	27.79
		1	22	27.86	27.66	27.76
		12	0	27.85	27.62	27.76
		12	6	27.87	27.64	27.71
		12	12	27.86	27.68	27.80
		24	0	27.83	27.63	27.73
10M	DFT-S 16QAM	1	1	26.92	26.90	26.91
10M	DFT-S 64QAM	1	1	25.76	25.88	25.73
10M	DFT-S 256QAM	1	1	23.67	23.58	23.62
10M	CP QPSK	1	1	24.94	24.90	24.96
10M	CP 16QAM	1	1	24.85	24.89	24.86
10M	CP 64QAM	1	1	24.25	24.17	24.30
10M	CP 256QAM	1	1	21.41	21.46	21.37

EIRP Power (dBm)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequence (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	**29.05**	28.80	28.90
		1	137	28.94	28.69	28.79
		1	271	28.95	28.72	28.79
		135	0	28.96	28.67	28.78
		135	69	28.98	28.69	28.76
		135	138	28.98	28.69	28.81
		270	0	28.93	28.70	28.75
100M	DFT-S QPSK	1	1	28.92	28.74	28.60
		1	137	28.82	28.63	28.48
		1	271	28.80	28.61	28.52
		135	0	28.78	28.61	28.50
		135	69	28.82	28.62	28.51
		135	138	28.84	28.66	28.50
		270	0	28.81	28.67	28.52
100M	DFT-S 16QAM	1	1	27.79	27.81	27.91
100M	DFT-S 64QAM	1	1	26.57	26.70	26.75
100M	DFT-S 256QAM	1	1	24.55	24.64	24.47
100M	CP QPSK	1	1	25.87	25.75	25.82
100M	CP 16QAM	1	1	25.83	25.75	25.75
100M	CP 64QAM	1	1	25.14	25.22	25.10
100M	CP 256QAM	1	1	22.22	22.33	22.31

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequence (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	**28.93**	28.78	28.82
		1	123	28.82	28.68	28.73
		1	243	28.79	28.66	28.73
		120	0	28.83	28.69	28.72
		120	63	28.80	28.67	28.72
		120	125	28.86	28.71	28.75
		243	0	28.84	28.69	28.69
90M	DFT-S QPSK	1	1	28.78	28.86	28.72
		1	123	28.73	28.76	28.63
		1	243	28.69	28.76	28.62
		120	0	28.68	28.73	28.59
		120	63	28.67	28.76	28.66
		120	125	28.63	28.76	28.58
		243	0	28.70	28.81	28.65
90M	DFT-S 16QAM	1	1	27.91	27.78	27.82
90M	DFT-S 64QAM	1	1	26.80	26.70	26.75
90M	DFT-S 256QAM	1	1	24.65	24.49	24.53
90M	CP QPSK	1	1	25.80	25.84	25.97
90M	CP 16QAM	1	1	25.74	25.68	25.70
90M	CP 64QAM	1	1	25.12	25.13	25.30
90M	CP 256QAM	1	1	22.41	22.36	22.42

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequence (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	**28.99**	28.87	28.73
		1	109	28.85	28.80	28.62
		1	215	28.92	28.74	28.65
		108	0	28.86	28.78	28.60
		108	55	28.89	28.76	28.61
		108	109	28.89	28.78	28.62
		216	0	28.89	28.77	28.63
80M	DFT-S QPSK	1	1	28.78	28.80	28.76
		1	109	28.67	28.68	28.63
		1	215	28.69	28.75	28.66
		108	0	28.69	28.66	28.64
		108	55	28.71	28.68	28.70
		108	109	28.69	28.70	28.67
		216	0	28.70	28.70	28.65
80M	DFT-S 16QAM	1	1	27.77	27.87	27.90
80M	DFT-S 64QAM	1	1	26.64	26.69	26.71
80M	DFT-S 256QAM	1	1	24.60	24.69	24.53
80M	CP QPSK	1	1	25.87	25.92	25.87
80M	CP 16QAM	1	1	25.81	25.80	25.80
80M	CP 64QAM	1	1	25.21	25.18	25.23
80M	CP 256QAM	1	1	22.22	22.44	22.39

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649000	6560000	663000
		Frequence (MHz)		3735	3840	3945
70M	DFT-S PI/2 BPSK	1	1	**28.90**	28.71	28.82
		1	95	28.79	28.59	28.69
		1	187	28.80	28.61	28.72
		90	0	28.79	28.63	28.71
		90	50	28.82	28.59	28.71
		90	99	28.81	28.62	28.68
		180	0	28.77	28.61	28.75
70M	DFT-S QPSK	1	1	**28.90**	28.75	28.73
		1	95	28.80	28.67	28.59
		1	187	28.81	28.65	28.64
		90	0	28.77	28.66	28.66
		90	50	28.82	28.63	28.60
		90	99	28.82	28.65	28.65
		180	0	28.81	28.64	28.64
70M	DFT-S 16QAM	1	1	27.88	27.89	27.80
70M	DFT-S 64QAM	1	1	26.73	26.77	26.65
70M	DFT-S 256QAM	1	1	24.59	24.68	24.54
70M	CP QPSK	1	1	25.74	25.92	25.89
70M	CP 16QAM	1	1	25.68	25.84	25.81
70M	CP 64QAM	1	1	25.11	25.10	25.07
70M	CP 256QAM	1	1	22.24	22.31	22.34

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequence (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	**28.86**	28.72	28.72
		1	81	28.76	28.57	28.60
		1	160	28.76	28.59	28.61
		81	0	28.78	28.66	28.63
		81	41	28.79	28.63	28.61
		81	81	28.73	28.62	28.61
		162	0	28.77	28.64	28.60
60M	DFT-S QPSK	1	1	28.80	28.77	28.80
		1	81	28.67	28.68	28.71
		1	160	28.71	28.66	28.72
		81	0	28.70	28.67	28.71
		81	41	28.71	28.66	28.70
		81	81	28.68	28.65	28.70
		162	0	28.74	28.67	28.68
60M	DFT-S 16QAM	1	1	27.91	27.79	27.75
60M	DFT-S 64QAM	1	1	26.69	26.58	26.76
60M	DFT-S 256QAM	1	1	24.58	24.51	24.64
60M	CP QPSK	1	1	25.86	25.90	25.82
60M	CP 16QAM	1	1	25.79	25.74	25.72
60M	CP 64QAM	1	1	25.24	25.23	25.19
60M	CP 256QAM	1	1	22.38	22.38	22.38

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	**28.96**	28.77	28.75
		1	67	28.83	28.68	28.63
		1	131	28.86	28.67	28.64
		64	0	28.84	28.68	28.63
		64	35	28.84	28.67	28.60
		64	69	28.89	28.68	28.63
		128	0	28.86	28.63	28.65
50M	DFT-S QPSK	1	1	28.92	28.68	28.74
		1	67	28.87	28.61	28.63
		1	131	28.86	28.59	28.63
		64	0	28.86	28.55	28.60
		64	35	28.84	28.58	28.64
		64	69	28.86	28.59	28.64
		128	0	28.83	28.61	28.67
50M	DFT-S 16QAM	1	1	27.78	27.73	27.85
50M	DFT-S 64QAM	1	1	26.79	26.62	26.68
50M	DFT-S 256QAM	1	1	24.69	24.47	24.49
50M	CP QPSK	1	1	25.95	25.94	25.77
50M	CP 16QAM	1	1	25.71	25.81	25.70
50M	CP 64QAM	1	1	25.17	25.17	25.08
50M	CP 256QAM	1	1	22.29	22.35	22.42

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	**28.99**	28.84	28.82
		1	53	28.94	28.76	28.77
		1	104	28.90	28.70	28.71
		50	0	28.94	28.70	28.69
		50	28	28.91	28.76	28.70
		50	56	28.95	28.77	28.71
		100	0	28.93	28.71	28.74
40M	DFT-S QPSK	1	1	28.80	28.82	28.76
		1	53	28.70	28.68	28.62
		1	104	28.72	28.74	28.65
		50	0	28.71	28.71	28.63
		50	28	28.65	28.73	28.67
		50	56	28.73	28.68	28.64
		100	0	28.69	28.74	28.63
40M	DFT-S 16QAM	1	1	27.91	27.89	27.85
40M	DFT-S 64QAM	1	1	26.65	26.74	26.75
40M	DFT-S 256QAM	1	1	24.63	24.58	24.47
40M	CP QPSK	1	1	25.81	25.83	25.80
40M	CP 16QAM	1	1	25.75	25.85	25.82
40M	CP 64QAM	1	1	25.20	25.19	25.15
40M	CP 256QAM	1	1	22.40	22.31	22.24

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequence (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	28.99	28.81	28.77
		1	39	29.00	28.72	28.71
		1	76	28.92	28.72	28.67
		36	0	**29.04**	28.80	28.64
		36	21	28.87	28.81	28.59
		36	42	28.96	28.67	28.82
		75	0	29.00	28.76	28.81
30M	DFT-S QPSK	1	1	28.72	28.74	28.74
		1	39	28.75	28.68	28.51
		1	76	28.73	28.82	28.52
		36	0	28.73	28.68	28.56
		36	21	28.59	28.74	28.65
		36	42	28.68	28.67	28.72
		75	0	28.70	28.83	28.68
30M	DFT-S 16QAM	1	1	27.92	27.85	27.86
30M	DFT-S 64QAM	1	1	26.61	26.72	26.73
30M	DFT-S 256QAM	1	1	24.63	24.64	24.48
30M	CP QPSK	1	1	25.75	25.87	25.76
30M	CP 16QAM	1	1	25.85	25.84	25.83
30M	CP 64QAM	1	1	25.28	25.20	25.00
30M	CP 256QAM	1	1	22.37	22.18	22.24

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	**28.93**	28.76	28.83
		1	26	28.84	28.69	28.71
		1	49	28.82	28.64	28.74
		25	0	28.80	28.62	28.74
		25	13	28.85	28.67	28.73
		25	26	28.79	28.66	28.74
		50	0	28.81	28.64	28.72
20M	DFT-S QPSK	1	1	28.82	28.64	28.72
		1	26	28.70	28.58	28.63
		1	49	28.72	28.55	28.62
		25	0	28.73	28.57	28.62
		25	13	28.72	28.55	28.61
		25	26	28.70	28.50	28.62
		50	0	28.71	28.58	28.64
20M	DFT-S 16QAM	1	1	27.85	27.89	27.71
20M	DFT-S 64QAM	1	1	26.70	26.76	26.72
20M	DFT-S 256QAM	1	1	24.53	24.60	24.60
20M	CP QPSK	1	1	25.83	25.78	25.80
20M	CP 16QAM	1	1	25.65	25.80	25.84
20M	CP 64QAM	1	1	25.19	25.11	25.26
20M	CP 256QAM	1	1	22.27	22.35	22.33

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequence (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	**28.92**	28.74	28.76
		1	19	28.78	28.66	28.65
		1	36	28.80	28.65	28.70
		18	0	28.77	28.66	28.64
		18	10	28.72	28.62	28.64
		18	20	28.74	28.64	28.66
		36	0	28.76	28.63	28.62
15M	DFT-S QPSK	1	1	28.84	28.70	28.73
		1	19	28.87	28.61	28.61
		1	36	28.83	28.60	28.61
		18	0	28.84	28.57	28.61
		18	10	28.86	28.64	28.60
		18	20	28.81	28.64	28.65
		36	0	28.80	28.60	28.62
15M	DFT-S 16QAM	1	1	27.87	27.81	27.78
15M	DFT-S 64QAM	1	1	26.67	26.71	26.66
15M	DFT-S 256QAM	1	1	24.66	24.51	24.58
15M	CP QPSK	1	1	25.92	25.86	25.91
15M	CP 16QAM	1	1	25.84	25.78	25.78
15M	CP 64QAM	1	1	25.23	25.20	25.28
15M	CP 256QAM	1	1	22.22	22.30	22.40

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	**28.98**	28.84	28.80
		1	11	28.90	28.72	28.72
		1	22	28.91	28.72	28.73
		12	0	28.86	28.76	28.76
		12	6	28.89	28.72	28.69
		12	12	28.86	28.75	28.71
		24	0	28.86	28.78	28.67
10M	DFT-S QPSK	1	1	28.86	28.67	28.77
		1	11	28.75	28.54	28.70
		1	22	28.77	28.57	28.67
		12	0	28.76	28.53	28.67
		12	6	28.78	28.55	28.62
		12	12	28.77	28.59	28.71
		24	0	28.74	28.54	28.64
10M	DFT-S 16QAM	1	1	27.83	27.81	27.82
10M	DFT-S 64QAM	1	1	26.67	26.79	26.64
10M	DFT-S 256QAM	1	1	24.58	24.49	24.53
10M	CP QPSK	1	1	25.85	25.81	25.87
10M	CP 16QAM	1	1	25.76	25.80	25.77
10M	CP 64QAM	1	1	25.16	25.08	25.21
10M	CP 256QAM	1	1	22.32	22.37	22.28

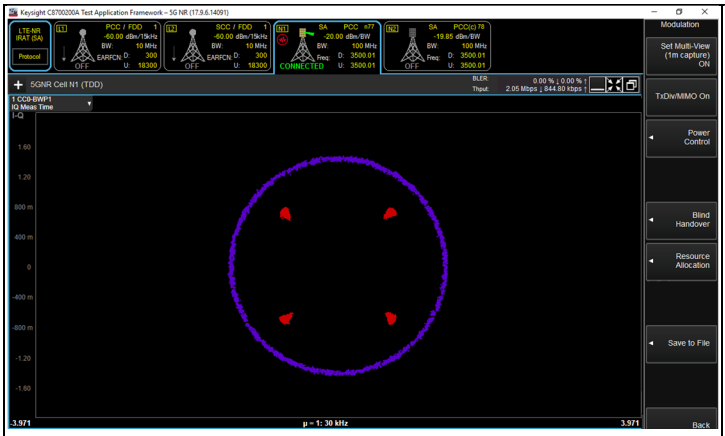
*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

7.2 Modulation Characteristics

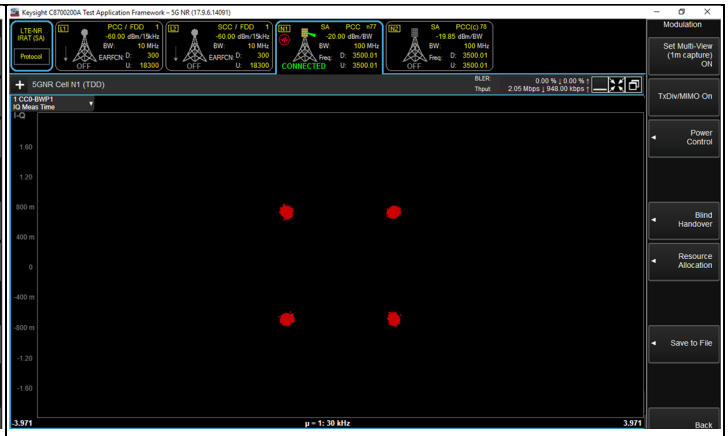
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 71% RH	Tested By:	Frank Liu

7.2.1 NR n77 (3450-3550 MHz) SCS 30 kHz

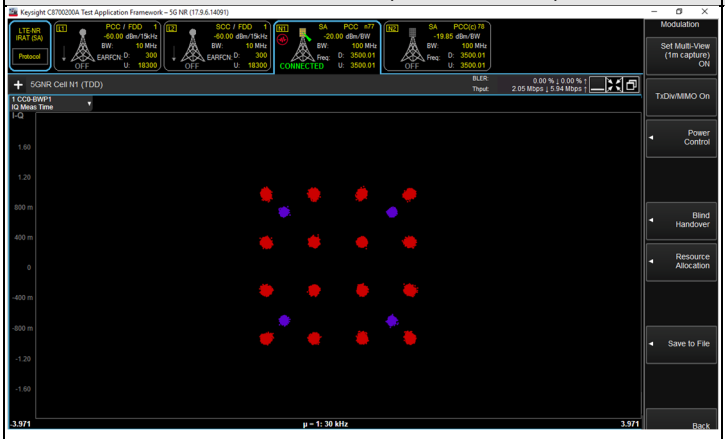
NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz



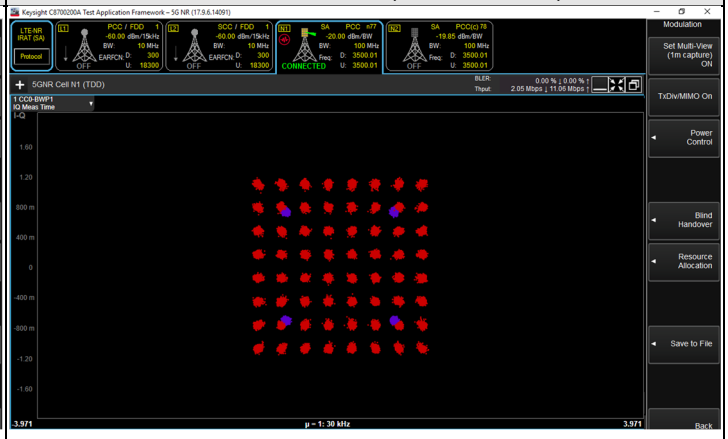
BPSK CH 633334 (3500.01 MHz)



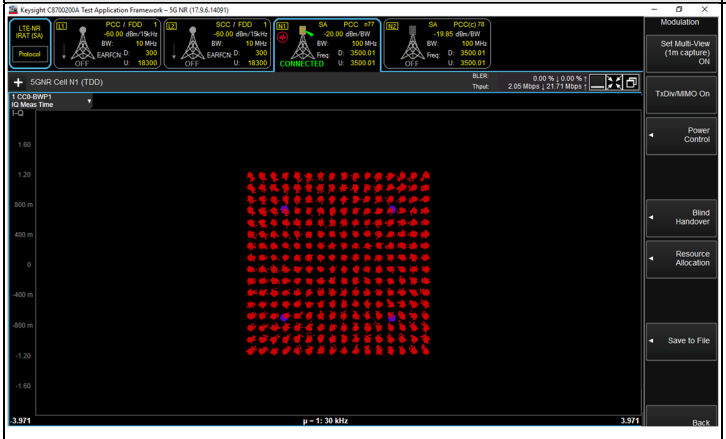
QPSK CH 633334 (3500.01 MHz)



16QAM CH 633334 (3500.01 MHz)



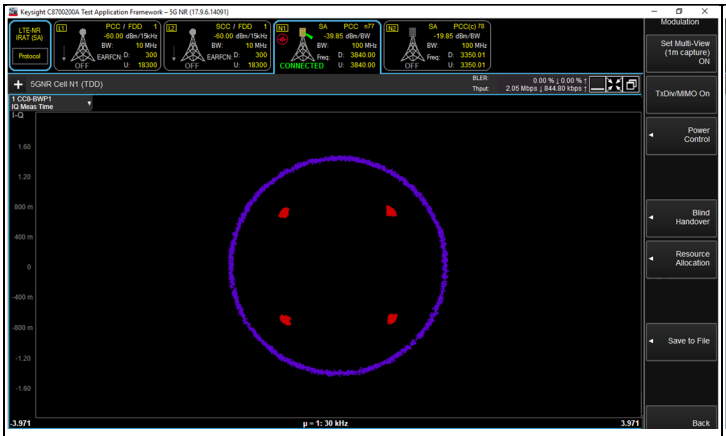
64QAM CH 633334 (3500.01 MHz)



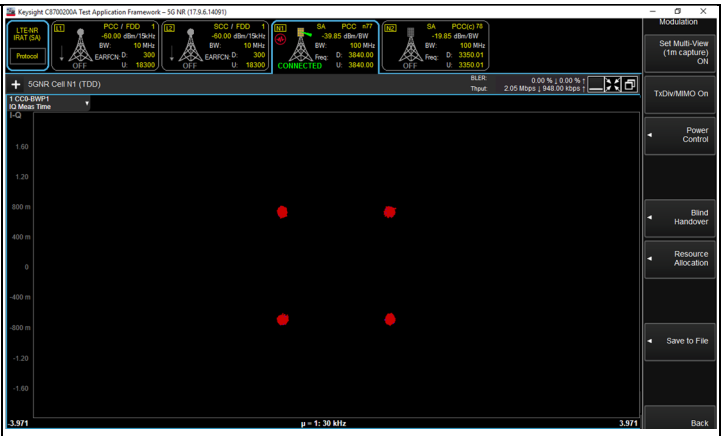
256QAM CH 633334 (3500.01 MHz)

7.2.2 NR n77 (3700-3980 MHz) SCS 30 kHz

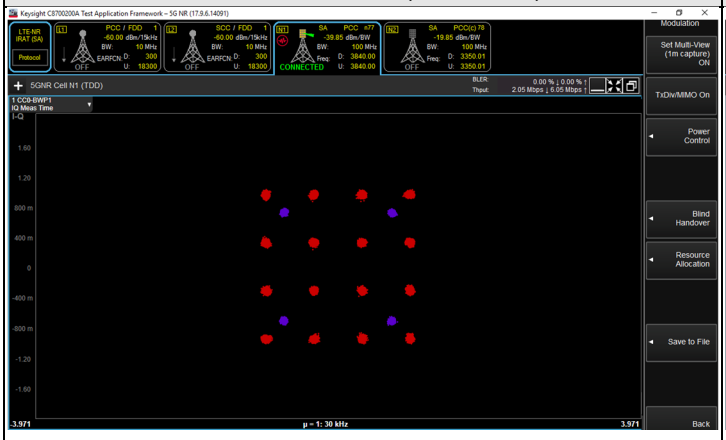
NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz



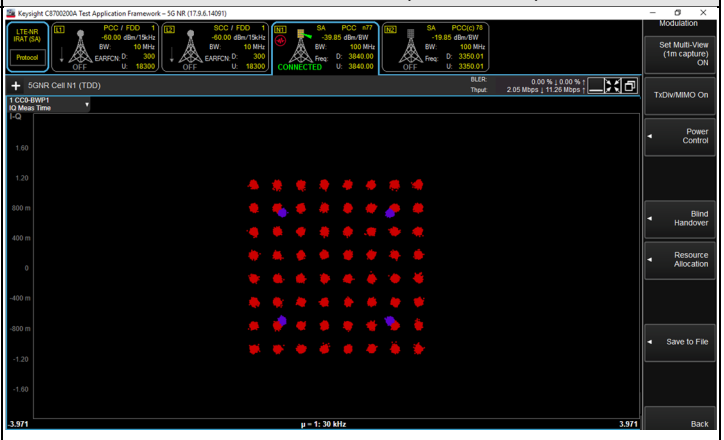
BPSK CH 656000 (3840 MHz)



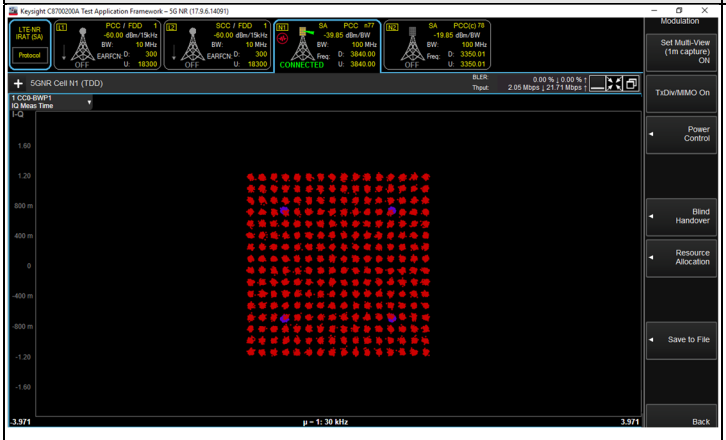
QPSK CH 656000 (3840 MHz)



16QAM CH 656000 (3840 MHz)



64QAM CH 656000 (3840 MHz)



256QAM CH 656000 (3840 MHz)

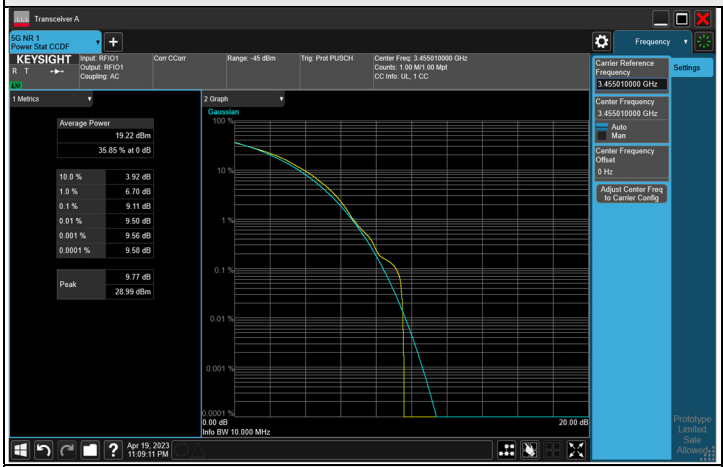
7.3 Peak to Average Ratio

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 71% RH	Tested By:	Frank Liu

7.3.1 NR n77 (3450-3550 MHz) SCS 30 kHz (Ant.: M1)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

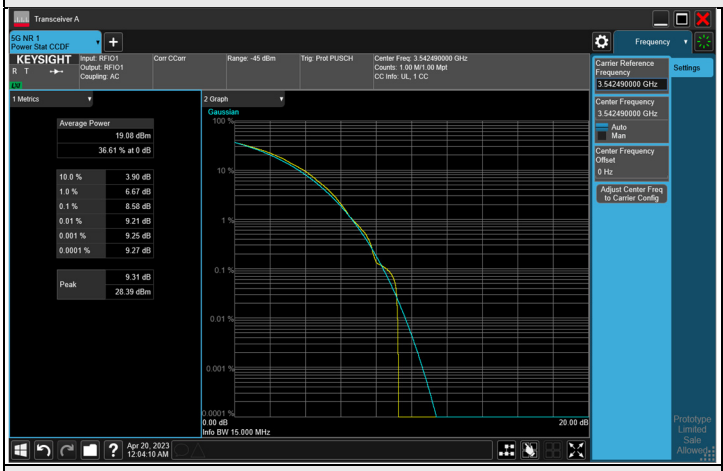
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
BPSK	1	23	4.71	4.49	4.51
	1	0	4.42	4.55	4.50
	24	0	4.25	4.32	4.39
QPSK	1	23	7.88	7.71	7.89
	1	0	8.44	8.00	8.22
	24	0	7.75	8.00	8.13
16QAM	1	23	8.20	7.93	8.58
	1	0	9.11	8.32	8.43
	24	0	7.91	8.01	7.78
64QAM	1	23	8.02	7.97	7.75
	1	0	8.39	7.78	7.85
	24	0	7.88	8.18	7.96
256QAM	1	23	8.41	8.19	8.60
	1	0	8.53	8.16	8.48
	24	0	8.45	8.25	8.35

Spectrum Plot of Worst Value	
	
16QAM CH 630334 (3455.01 MHz)	

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
BPSK	1	37	4.48	4.55	4.78
	1	0	4.35	4.70	4.39
	36	0	4.34	4.24	4.39
QPSK	1	37	7.85	7.80	7.82
	1	0	8.14	8.08	7.96
	38	0	8.04	8.22	8.22
16QAM	1	37	8.37	8.35	8.10
	1	0	8.54	8.11	8.58
	38	0	7.93	7.94	7.98
64QAM	1	37	8.25	8.32	8.32
	1	0	7.76	7.75	7.94
	38	0	8.08	8.17	8.14
256QAM	1	37	8.02	8.31	8.33
	1	0	8.58	8.08	8.53
	38	0	8.36	8.39	8.57

Spectrum Plot of Worst Value

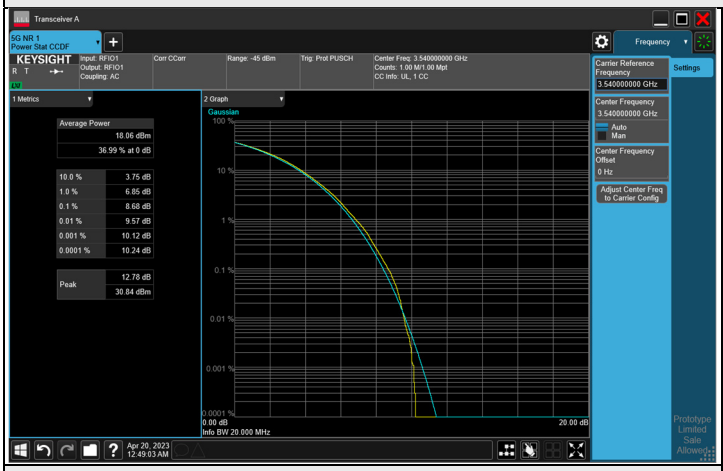


16QAM CH 636166 (3542.49 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
BPSK	1	50	4.47	4.45	4.36
	1	0	4.48	4.39	4.45
	50	0	4.35	4.40	4.36
QPSK	1	50	7.70	7.70	7.64
	1	0	8.12	8.09	7.87
	51	0	8.07	7.97	7.91
16QAM	1	50	8.00	8.05	8.31
	1	0	8.17	7.95	8.40
	51	0	8.04	8.17	8.15
64QAM	1	50	7.94	8.02	7.77
	1	0	8.25	7.77	7.65
	51	0	8.04	8.26	8.39
256QAM	1	50	8.35	8.16	8.50
	1	0	8.35	8.33	8.35
	51	0	8.53	8.49	8.68

Spectrum Plot of Worst Value

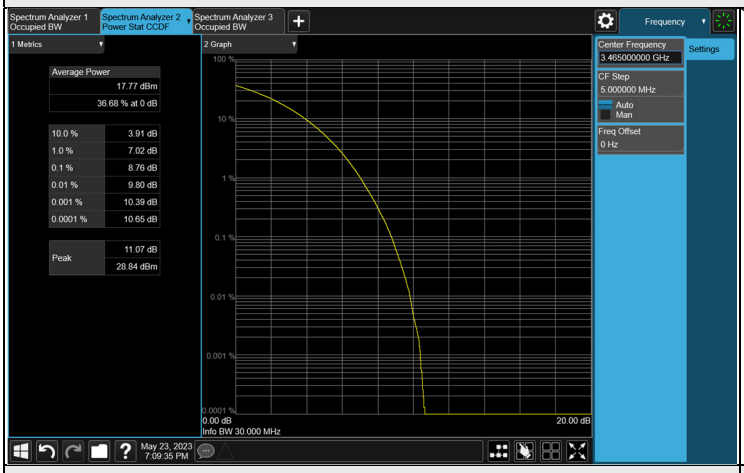


256QAM CH 636000 (3540 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
BPSK	1	50	4	3.82	4.29
	1	0	3.91	3.87	4.31
	50	0	4.28	4.22	4.56
QPSK	1	50	7.61	7.99	7.8
	1	0	7.61	7.86	7.61
	51	0	8.06	8.45	8.21
16QAM	1	50	7.93	7.71	7.64
	1	0	8.12	7.83	7.76
	51	0	8.52	8.25	8.16
64QAM	1	50	8	7.74	7.88
	1	0	7.95	7.82	8.05
	51	0	8.43	8.22	8.48
256QAM	1	50	8.07	7.85	8.02
	1	0	8.24	7.78	8.14
	51	0	8.76	8.36	8.67

Spectrum Plot of Worst Value

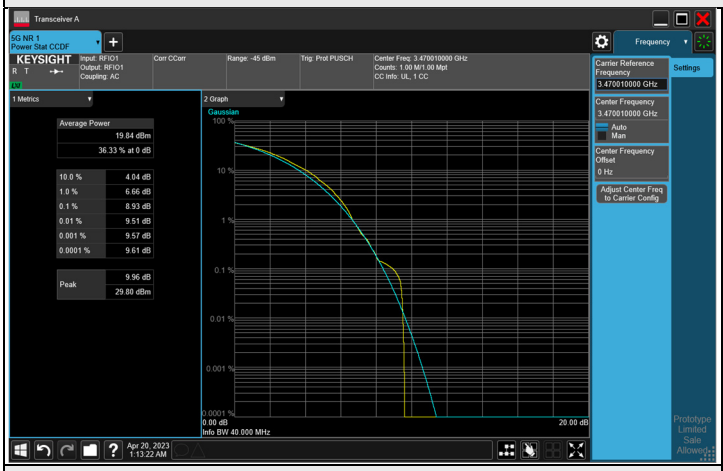


256QAM CH 631000 (3465 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
BPSK	1	105	4.29	4.57	4.44
	1	0	4.54	4.67	4.40
	100	0	4.48	4.69	4.34
QPSK	1	105	7.93	7.81	7.73
	1	0	8.12	7.95	7.75
	106	0	8.15	8.42	7.88
16QAM	1	105	8.93	7.78	7.95
	1	0	8.78	8.42	8.45
	106	0	8.01	8.20	7.99
64QAM	1	105	8.32	7.82	7.97
	1	0	8.33	8.14	7.59
	106	0	8.21	7.98	8.11
256QAM	1	105	8.29	8.03	8.36
	1	0	7.95	8.40	7.93
	106	0	8.45	8.36	8.58

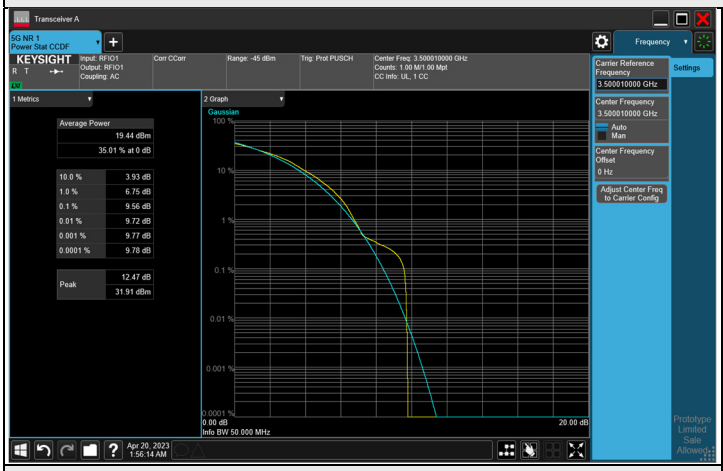
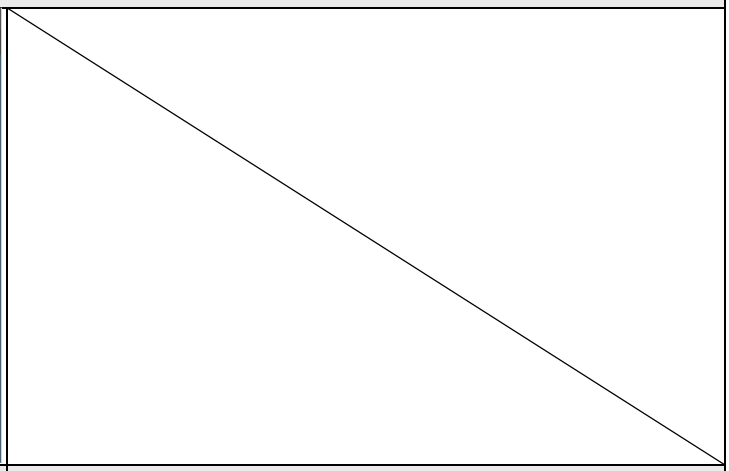
Spectrum Plot of Worst Value



16QAM CH 631334 (3470.01 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz

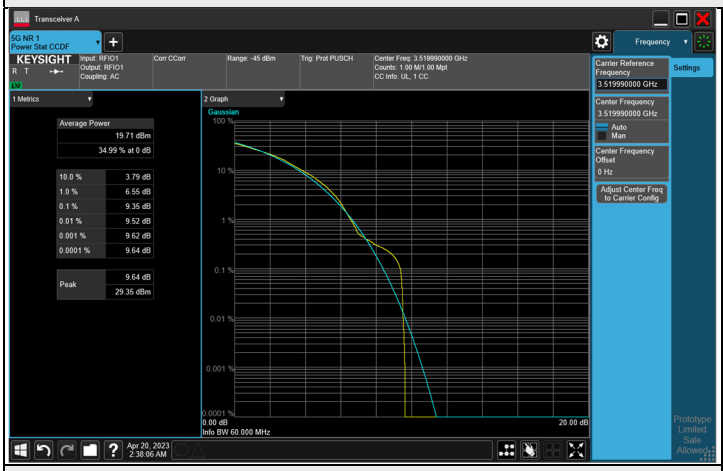
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
BPSK	1	132	4.59	4.39	4.78
	1	0	4.43	4.54	4.38
	128	0	4.43	4.73	5.20
QPSK	1	132	7.87	7.84	8.02
	1	0	8.25	8.91	8.12
	133	0	8.13	8.28	8.10
16QAM	1	132	8.16	9.46	8.37
	1	0	8.03	9.56	8.90
	133	0	8.52	8.12	8.15
64QAM	1	132	7.75	7.84	7.85
	1	0	7.74	7.73	7.74
	133	0	8.26	8.06	8.33
256QAM	1	132	8.08	8.51	7.92
	1	0	7.93	8.75	8.40
	133	0	8.49	8.62	8.41

Spectrum Plot of Worst Value	
	
16QAM CH 633334 (3500.01 MHz)	

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
BPSK	1	161	4.57	4.80	4.50
	1	0	4.56	4.32	4.30
	162	0	4.04	4.07	4.48
QPSK	1	161	7.77	7.84	7.84
	1	0	8.37	8.50	7.28
	162	0	7.87	7.84	7.73
16QAM	1	161	8.52	8.48	9.19
	1	0	8.84	8.30	9.35
	162	0	7.94	7.94	8.44
64QAM	1	161	7.95	8.12	8.05
	1	0	7.87	7.87	7.70
	162	0	7.99	8.21	7.97
256QAM	1	161	7.81	8.51	8.59
	1	0	8.06	8.31	8.64
	162	0	8.23	8.50	8.25

Spectrum Plot of Worst Value

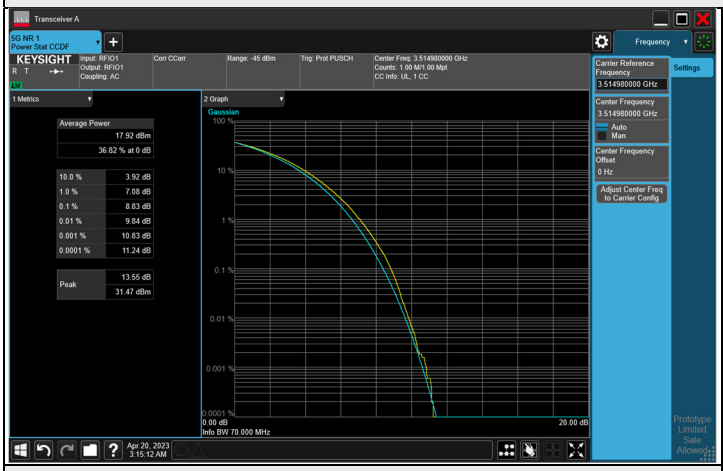


16QAM CH 634666 (3519.99 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 70 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
BPSK	1	188	4.52	4.78	4.52
	1	0	4.54	4.28	4.30
	180	0	4.43	4.21	4.35
QPSK	1	188	8.26	7.91	7.67
	1	0	8.06	7.97	8.49
	189	0	8.45	8.15	8.16
16QAM	1	188	7.68	8.49	8.24
	1	0	8.65	8.54	8.35
	189	0	8.41	7.89	8.38
64QAM	1	188	8.11	8.11	7.88
	1	0	7.68	7.63	7.94
	189	0	8.03	8.28	8.03
256QAM	1	188	8.01	8.24	8.55
	1	0	8.13	8.36	8.62
	189	0	8.31	8.34	8.83

Spectrum Plot of Worst Value

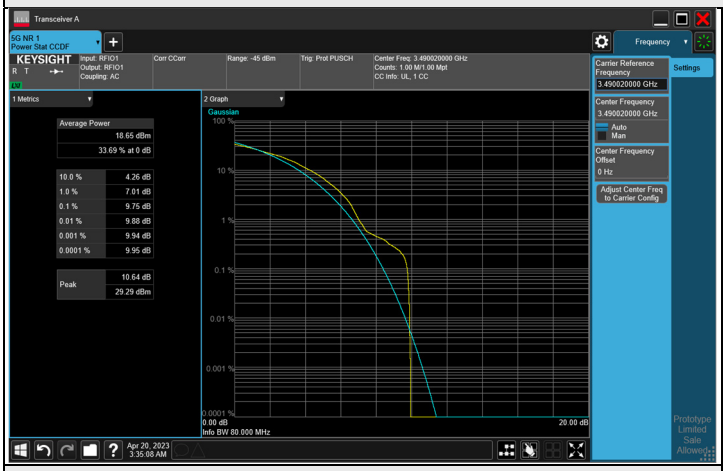


256QAM CH 634332 (3514.98 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
BPSK	1	216	4.80	4.49	4.25
	1	0	4.30	4.30	4.56
	216	0	4.56	4.83	4.86
QPSK	1	216	7.48	8.07	7.91
	1	0	8.53	8.14	8.41
	217	0	8.75	8.17	7.92
16QAM	1	216	9.75	8.51	8.68
	1	0	9.37	8.27	7.99
	217	0	8.23	7.97	8.44
64QAM	1	216	7.91	7.86	7.71
	1	0	8.16	8.11	8.12
	217	0	8.33	8.10	8.33
256QAM	1	216	8.09	7.87	8.77
	1	0	8.41	7.84	8.43
	217	0	8.33	8.31	8.31

Spectrum Plot of Worst Value

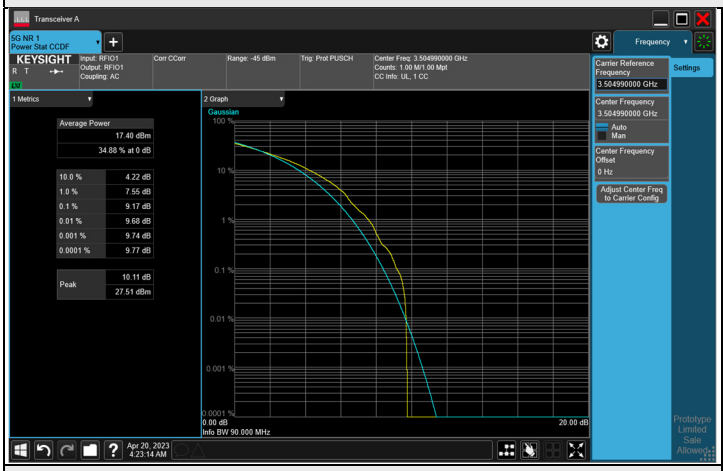


16QAM CH 632668 (3490.02 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 90 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
BPSK	1	244	4.79	4.20	4.48
	1	0	4.64	4.44	4.34
	243	0	4.38	4.15	4.19
QPSK	1	244	8.01	7.67	7.89
	1	0	7.79	8.06	8.66
	245	0	7.97	7.98	7.99
16QAM	1	244	8.30	8.04	8.21
	1	0	8.57	8.28	7.85
	245	0	8.28	8.24	8.00
64QAM	1	244	8.05	8.42	8.15
	1	0	7.67	8.16	7.86
	245	0	8.62	8.09	8.03
256QAM	1	244	7.77	8.23	8.78
	1	0	8.13	8.95	9.17
	245	0	8.38	8.61	8.36

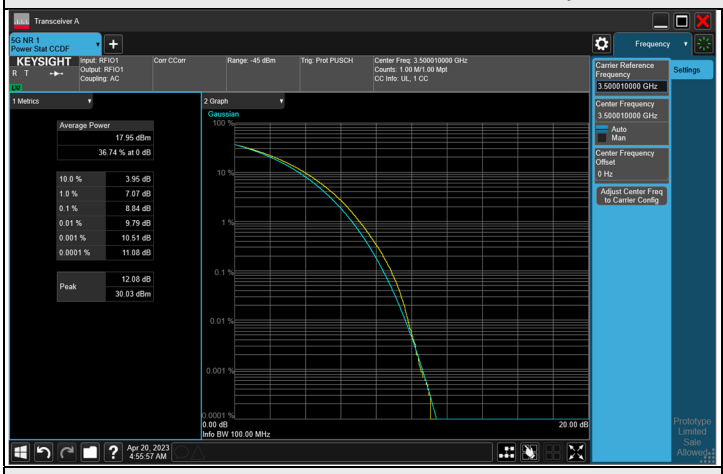
Spectrum Plot of Worst Value



256QAM CH 633666 (3504.99 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

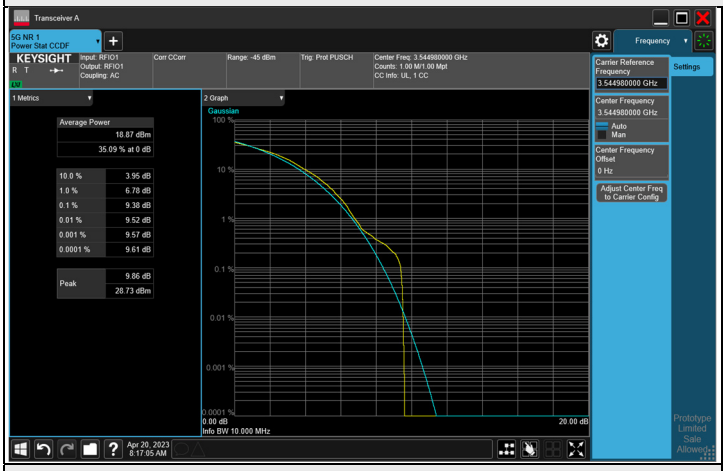
NR n77 SCS 30 kHz (3450-3550 MHz) 100M			
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 633334
			3500.01 MHz
BPSK	1	272	4.22
QPSK	1	272	7.81
16QAM	1	272	8.55
64QAM	1	272	7.82
256QAM	1	272	8.84

Spectrum Plot of Worst Value	
	
256QAM CH 633334 (3500.01 MHz)	

7.3.2 NR n77 (3450-3550 MHz) SCS 30 kHz (Ant.: M2)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

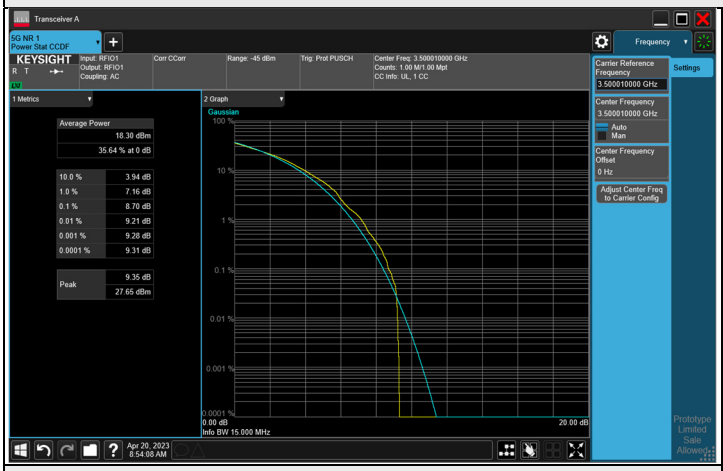
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
BPSK	1	23	4.44	4.40	4.63
	1	0	4.52	4.50	4.52
	24	0	4.32	4.20	4.37
QPSK	1	23	7.85	7.46	7.87
	1	0	8.07	8.26	7.82
	24	0	7.94	7.84	7.88
16QAM	1	23	8.56	7.96	9.26
	1	0	8.49	8.00	9.38
	24	0	7.95	8.12	7.90
64QAM	1	23	7.75	7.83	7.87
	1	0	7.77	7.76	7.80
	24	0	8.00	8.20	8.15
256QAM	1	23	8.35	8.55	8.53
	1	0	8.52	8.51	8.61
	24	0	8.38	8.46	8.45

Spectrum Plot of Worst Value	
	
16QAM CH 636332 (3544.98 MHz)	

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
BPSK	1	37	4.55	4.58	4.39
	1	0	4.42	4.46	4.54
	36	0	4.45	4.51	4.40
QPSK	1	37	7.86	7.81	7.79
	1	0	8.01	8.47	8.02
	38	0	8.15	8.02	8.00
16QAM	1	37	8.35	8.24	8.16
	1	0	8.39	8.01	8.02
	38	0	8.01	7.91	8.01
64QAM	1	37	8.08	8.35	8.11
	1	0	7.80	7.90	7.77
	38	0	8.20	8.15	8.15
256QAM	1	37	8.45	8.39	8.59
	1	0	8.51	8.70	8.45
	38	0	8.16	8.33	8.33

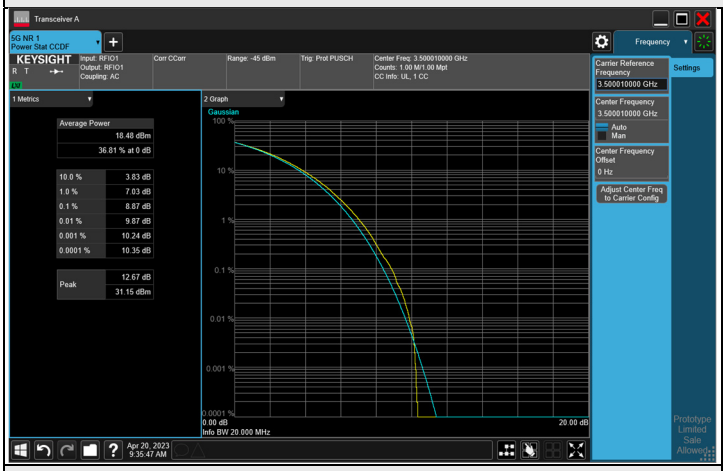
Spectrum Plot of Worst Value



256QAM CH 633334 (3500.01 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

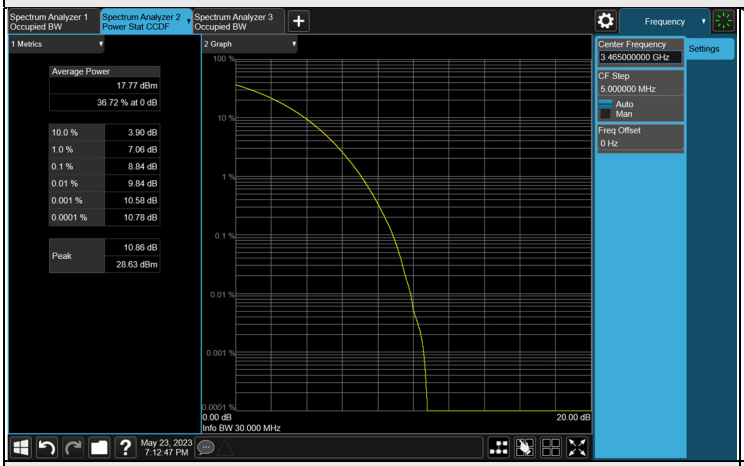
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
BPSK	1	50	4.52	4.37	4.45
	1	0	4.54	4.44	4.60
	50	0	4.33	4.49	4.53
QPSK	1	50	7.84	7.93	7.88
	1	0	8.19	8.16	8.03
	51	0	8.10	8.29	8.01
16QAM	1	50	8.34	7.94	8.27
	1	0	8.22	7.97	8.46
	51	0	8.18	8.13	7.98
64QAM	1	50	8.08	7.96	7.93
	1	0	7.97	7.70	7.71
	51	0	8.07	8.06	8.12
256QAM	1	50	8.34	8.10	8.58
	1	0	8.70	8.41	8.26
	51	0	8.59	8.87	8.59

Spectrum Plot of Worst Value	
	
256QAM CH 633334 (3500.01 MHz)	

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
BPSK	1	50	4.07	3.89	4.36
	1	0	4.18	3.82	4.36
	50	0	4.47	4.19	4.66
QPSK	1	50	7.59	7.69	7.75
	1	0	7.63	7.84	7.89
	51	0	8.13	8.26	8.29
16QAM	1	50	7.93	7.5	7.8
	1	0	7.91	7.47	7.8
	51	0	8.33	7.98	8.26
64QAM	1	50	7.93	7.93	7.93
	1	0	7.92	7.87	7.98
	51	0	8.35	8.46	8.41
256QAM	1	50	8.27	7.9	8.19
	1	0	8.24	7.86	8.12
	51	0	8.84	8.46	8.71

Spectrum Plot of Worst Value

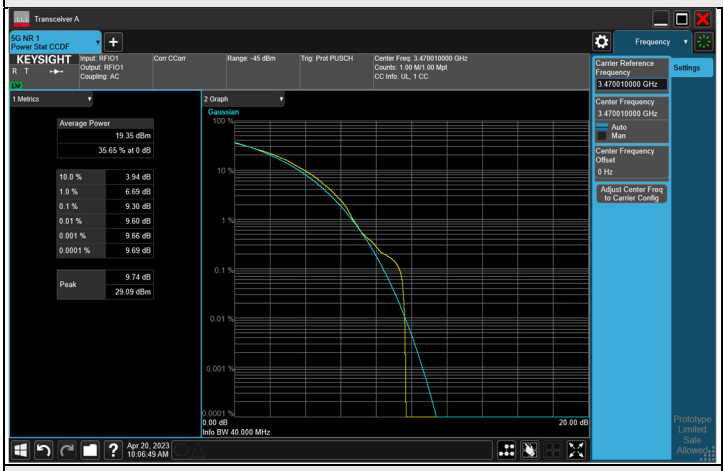


256QAM CH 631000 (3465 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
BPSK	1	105	4.54	4.43	4.44
	1	0	4.38	4.42	4.39
	100	0	4.20	4.18	4.30
QPSK	1	105	7.66	7.58	7.71
	1	0	8.28	8.28	8.16
	106	0	8.02	8.19	8.22
16QAM	1	105	8.28	8.86	8.34
	1	0	9.30	8.28	7.77
	106	0	8.21	8.15	8.02
64QAM	1	105	8.05	7.56	7.85
	1	0	8.17	7.90	7.99
	106	0	8.21	8.54	8.08
256QAM	1	105	8.27	8.97	8.57
	1	0	8.22	8.43	7.94
	106	0	8.40	8.71	8.55

Spectrum Plot of Worst Value

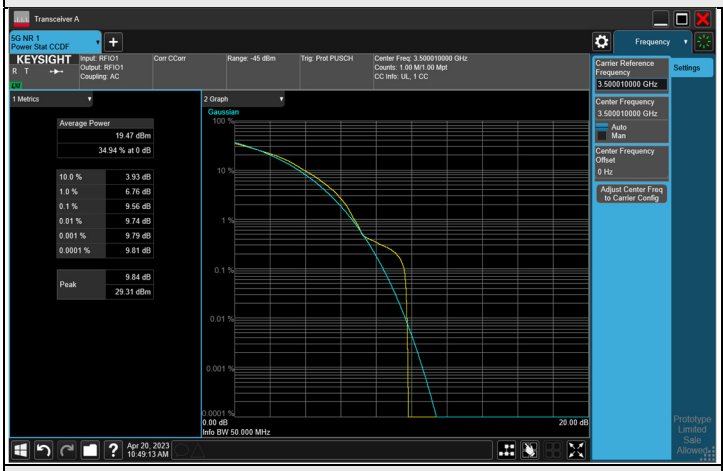


16QAM CH 631334 (3470.01 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
BPSK	1	132	4.59	4.38	4.28
	1	0	4.58	4.65	4.67
	128	0	4.56	4.72	4.91
QPSK	1	132	7.61	7.57	7.59
	1	0	8.09	8.02	8.04
	133	0	8.19	8.05	8.17
16QAM	1	132	8.44	9.29	8.11
	1	0	8.41	9.56	8.40
	133	0	8.30	7.97	8.22
64QAM	1	132	7.89	8.10	7.79
	1	0	7.67	7.61	7.75
	133	0	8.01	8.41	8.15
256QAM	1	132	8.52	8.25	7.87
	1	0	8.06	8.57	7.68
	133	0	8.37	8.59	8.35

Spectrum Plot of Worst Value

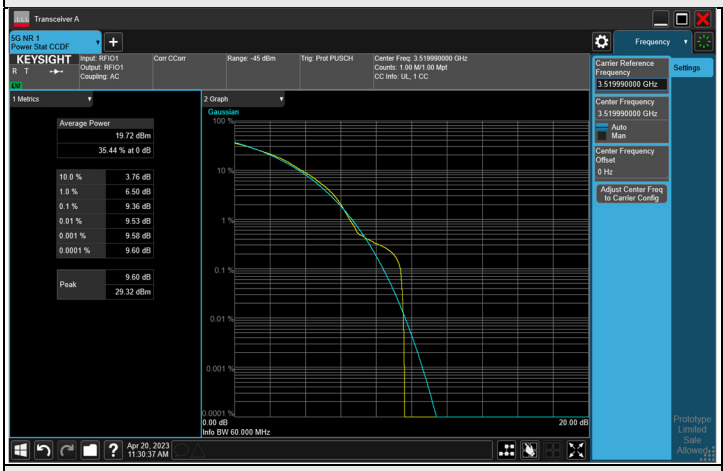


16QAM CH 633334 (3500.01 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
BPSK	1	161	5.07	4.27	4.46
	1	0	4.57	4.32	4.26
	162	0	4.05	4.07	4.21
QPSK	1	161	7.50	7.73	7.50
	1	0	8.07	7.82	7.48
	162	0	8.40	7.86	8.22
16QAM	1	161	8.24	8.24	8.93
	1	0	8.31	8.21	9.36
	162	0	8.19	7.94	8.16
64QAM	1	161	8.30	8.24	7.82
	1	0	8.42	7.68	7.89
	162	0	8.21	8.24	7.95
256QAM	1	161	8.37	8.51	8.28
	1	0	7.79	8.57	8.62
	162	0	8.20	8.50	8.74

Spectrum Plot of Worst Value



16QAM CH 634666 (3519.99 MHz)