TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 27** **47 CFR FCC Part 2**
Report No.:	RFBCMA-WTW-P23030799B-8
FCC ID:	RAXTMOG4AR
Product:	5G Gateway
Brand:	T-Mobile
Model No.:	TMO-G4AR
Received Date:	2023/5/12
Test Date:	2023/5/20 ~ 2023/6/5
Issued Date:	2023/6/14
Applicant:	Arcadyan Technology Corporation
Address:	No.8, Sec.2, Guangfu Rd.,Hsinchu City 30071, Taiwan, R.O.C.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** 2023/6/14

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-P23030799B-8	Original Release	2023/6/14

1 Certificate

Product:	5G Gateway
Brand:	T-Mobile
Test Model:	TMO-G4AR
Sample Status:	Engineering Sample
Applicant:	Arcadyan Technology Corporation
Test Date:	2023/5/20 ~ 2023/6/5
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	N/A	Refer to Note 1
FCC 47 CFR Part 27.50 (j) FCC 47 CFR Part 27.50 (k)	Peak to Average Ratio	N/A	Refer to Note 1
FCC 47 CFR Part 2.1049	Bandwidth	N/A	Refer to Note 1
FCC 47 CFR Part 2.1051 FCC 47 CFR Part 27.53 (l) FCC 47 CFR Part 27.53 (n)	Conducted Spurious Emissions	N/A	Refer to Note 1
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 -29.92 dB at 88.20 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 -25.81 dB at 7950.00 MHz
FCC 47 CFR Part 2.1055 FCC 47 CFR Part 27.54	Frequency Stability	N/A	Refer to Note 1

Note:

1. Only test item of Equivalent Isotropically Radiated Power and Radiated Spurious Emissions tests were performed for this report. Other testing data please refer to BV CPS report no.: RFBCMA-WTW-P23030799-11.
2. 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. This report is prepared for FCC class II permissive change. The difference compared with the original report (BV CPS report no.: RFBCMA-WTW-P23030799-11) is adding external antenna.
2. Due to Band 77 (Include CA mode) EIRP over limit. Therefore, Band 77 (Include CA mode) need reduce power. And base on conducted power less than 5G module (Fibocom FG360-NA), the conducted data still leverage after verify. Also record EIRP power in the report with external antenna to prove it not over the limit.
3. There are different power table for external and internal antenna, and external and internal antenna was control by FW to use, it not use at the same time.
4. The EUT supports the following configuration.

	FCC 5G FR1		
5GNR	Band	SCS	Bandwidth (MHz)
	n77	15kHz	10/15/20/40/50
		30kHz	10/15/20/30/40/50/60/70/80/90/100

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

5. EUT Overview.

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
For Part 27Q - SCS 15kHz						
n77 (Channel Bandwidth 10MHz)	3455.01-3544.995	BPSK	27.88	dBm	/	613.762 mW
		QPSK	27.72	dBm	/	591.562 mW
		16QAM	27.52	dBm	/	564.937 mW
		64QAM	26.55	dBm	/	451.856 mW
		256QAM	24.40	dBm	/	275.423 mW
n77 (Channel Bandwidth 15MHz)	3457.50-3542.49	BPSK	27.88	dBm	/	613.762 mW
		QPSK	27.78	dBm	/	599.791 mW
		16QAM	27.49	dBm	/	561.048 mW
		64QAM	26.66	dBm	/	463.447 mW
		256QAM	24.51	dBm	/	282.488 mW
n77 (Channel Bandwidth 20MHz)	3460.005-3540.00	BPSK	27.85	dBm	/	609.537 mW
		QPSK	27.74	dBm	/	594.292 mW
		16QAM	27.68	dBm	/	586.138 mW
		64QAM	26.54	dBm	/	450.817 mW
		256QAM	24.49	dBm	/	281.190 mW
n77 (Channel Bandwidth 40MHz)	3470.01-3529.995	BPSK	27.77	dBm	/	598.412 mW
		QPSK	27.84	dBm	/	608.135 mW
		16QAM	27.67	dBm	/	584.790 mW
		64QAM	26.53	dBm	/	449.780 mW
		256QAM	24.49	dBm	/	281.190 mW
n77 (Channel Bandwidth 50MHz)	3475.005-3525.00	BPSK	27.92	dBm	/	619.441 mW
		QPSK	27.72	dBm	/	591.562 mW
		16QAM	27.56	dBm	/	570.164 mW
		64QAM	26.52	dBm	/	448.745 mW
		256QAM	24.49	dBm	/	281.190 mW

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
For Part 27Q - SCS 30kHz						
n77 (Channel Bandwidth 10MHz)	3455.01-3544.98	BPSK	27.95	dBm	/	623.735 mW
		QPSK	27.92	dBm	/	619.441 mW
		16QAM	26.72	dBm	/	469.894 mW
		64QAM	25.57	dBm	/	360.579 mW
		256QAM	23.47	dBm	/	222.331 mW
n77 (Channel Bandwidth 15MHz)	3457.50-3542.49	BPSK	27.92	dBm	/	619.441 mW
		QPSK	27.90	dBm	/	616.595 mW
		16QAM	26.69	dBm	/	466.659 mW
		64QAM	25.61	dBm	/	363.915 mW
		256QAM	23.54	dBm	/	225.944 mW
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	BPSK	27.93	dBm	/	620.869 mW
		QPSK	27.89	dBm	/	615.177 mW
		16QAM	26.72	dBm	/	469.894 mW
		64QAM	25.62	dBm	/	364.754 mW
		256QAM	23.51	dBm	/	224.388 mW
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	BPSK	27.96	dBm	/	625.173 mW
		QPSK	27.64	dBm	/	580.764 mW
		16QAM	26.66	dBm	/	463.447 mW
		64QAM	25.59	dBm	/	362.243 mW
		256QAM	23.78	dBm	/	238.781 mW
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	BPSK	27.88	dBm	/	613.762 mW
		QPSK	27.85	dBm	/	609.537 mW
		16QAM	26.75	dBm	/	473.151 mW
		64QAM	25.66	dBm	/	368.129 mW
		256QAM	23.58	dBm	/	228.034 mW
n77 (Channel Bandwidth 50MHz)	3475.02-3525.00	BPSK	27.89	dBm	/	615.177 mW
		QPSK	27.82	dBm	/	605.341 mW
		16QAM	26.77	dBm	/	475.335 mW
		64QAM	25.58	dBm	/	361.410 mW
		256QAM	23.56	dBm	/	226.986 mW
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	BPSK	27.97	dBm	/	626.614 mW
		QPSK	27.85	dBm	/	609.537 mW
		16QAM	26.65	dBm	/	462.381 mW
		64QAM	25.74	dBm	/	374.973 mW
		256QAM	23.64	dBm	/	231.206 mW

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
For Part 27Q - SCS 30kHz						
n77 (Channel Bandwidth 70MHz)	3485.01-3514.98	BPSK	27.94	dBm	/	622.300 mW
		QPSK	27.85	dBm	/	609.537 mW
		16QAM	26.75	dBm	/	473.151 mW
		64QAM	25.59	dBm	/	362.243 mW
		256QAM	23.44	dBm	/	220.800 mW
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	BPSK	27.94	dBm	/	622.300 mW
		QPSK	27.76	dBm	/	597.035 mW
		16QAM	26.79	dBm	/	477.529 mW
		64QAM	25.76	dBm	/	376.704 mW
		256QAM	23.55	dBm	/	226.464 mW
n77 (Channel Bandwidth 90MHz)	3495.00-3504.99	BPSK	27.88	dBm	/	613.762 mW
		QPSK	27.91	dBm	/	618.016 mW
		16QAM	26.67	dBm	/	464.515 mW
		64QAM	25.51	dBm	/	355.631 mW
		256QAM	23.55	dBm	/	226.464 mW
n77 (Channel Bandwidth 100MHz)	3500.01	BPSK	27.68	dBm	/	586.138 mW
		QPSK	27.70	dBm	/	588.844 mW
		16QAM	26.66	dBm	/	463.447 mW
		64QAM	25.68	dBm	/	369.828 mW
		256QAM	23.57	dBm	/	227.510 mW

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
For Part 27O - SCS 15kHz						
n77 (Channel Bandwidth 10MHz)	3705.00-3975.00	BPSK	27.66	dBm	/	583.445 mW
		QPSK	27.67	dBm	/	584.790 mW
		16QAM	27.48	dBm	/	559.758 mW
		64QAM	26.51	dBm	/	447.713 mW
		256QAM	24.41	dBm	/	276.058 mW
n77 (Channel Bandwidth 15MHz)	3707.505-3972.495	BPSK	27.69	dBm	/	587.489 mW
		QPSK	27.66	dBm	/	583.445 mW
		16QAM	27.45	dBm	/	555.904 mW
		64QAM	26.57	dBm	/	453.942 mW
		256QAM	24.35	dBm	/	272.270 mW
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	BPSK	27.65	dBm	/	582.103 mW
		QPSK	27.61	dBm	/	576.766 mW
		16QAM	27.45	dBm	/	555.904 mW
		64QAM	26.50	dBm	/	446.684 mW
		256QAM	24.46	dBm	/	279.254 mW
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	BPSK	27.71	dBm	/	590.201 mW
		QPSK	27.69	dBm	/	587.489 mW
		16QAM	27.64	dBm	/	580.764 mW
		64QAM	26.43	dBm	/	439.542 mW
		256QAM	24.40	dBm	/	275.423 mW
n77 (Channel Bandwidth 50MHz)	3725.01-3954.99	BPSK	27.70	dBm	/	588.844 mW
		QPSK	27.64	dBm	/	580.764 mW
		16QAM	27.49	dBm	/	561.048 mW
		64QAM	26.60	dBm	/	457.088 mW
		256QAM	24.34	dBm	/	271.644 mW

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
For Part 27O - SCS 30kHz						
n77 (Channel Bandwidth 10MHz)	3705.00-3975.00	BPSK	27.99	dBm	/	629.506 mW
		QPSK	27.93	dBm	/	620.869 mW
		16QAM	26.85	dBm	/	484.172 mW
		64QAM	25.75	dBm	/	375.837 mW
		256QAM	23.59	dBm	/	228.560 mW
n77 (Channel Bandwidth 15MHz)	3707.52-3972.48	BPSK	27.99	dBm	/	629.506 mW
		QPSK	27.94	dBm	/	622.300 mW
		16QAM	26.86	dBm	/	485.289 mW
		64QAM	25.77	dBm	/	377.572 mW
		256QAM	23.67	dBm	/	232.809 mW
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	BPSK	27.92	dBm	/	619.441 mW
		QPSK	27.88	dBm	/	613.762 mW
		16QAM	26.83	dBm	/	481.948 mW
		64QAM	25.64	dBm	/	366.438 mW
		256QAM	23.55	dBm	/	226.464 mW
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	BPSK	27.93	dBm	/	620.869 mW
		QPSK	27.72	dBm	/	591.562 mW
		16QAM	26.75	dBm	/	473.151 mW
		64QAM	25.59	dBm	/	362.243 mW
		256QAM	23.62	dBm	/	230.144 mW
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	BPSK	27.98	dBm	/	628.058 mW
		QPSK	27.90	dBm	/	616.595 mW
		16QAM	26.81	dBm	/	479.733 mW
		64QAM	25.75	dBm	/	375.837 mW
		256QAM	23.62	dBm	/	230.144 mW
n77 (Channel Bandwidth 50MHz)	3725.01-3954.99	BPSK	27.94	dBm	/	622.300 mW
		QPSK	27.93	dBm	/	620.869 mW
		16QAM	26.82	dBm	/	480.839 mW
		64QAM	25.67	dBm	/	368.978 mW
		256QAM	23.61	dBm	/	229.615 mW
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	BPSK	27.96	dBm	/	625.173 mW
		QPSK	27.95	dBm	/	623.735 mW
		16QAM	26.89	dBm	/	488.652 mW
		64QAM	25.77	dBm	/	377.572 mW
		256QAM	23.55	dBm	/	226.464 mW

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
For Part 27O - SCS 30kHz						
n77 (Channel Bandwidth 70MHz)	3735.00-3945.00	BPSK	27.99	dBm	/	629.506 mW
		QPSK	27.98	dBm	/	628.058 mW
		16QAM	26.70	dBm	/	467.735 mW
		64QAM	25.77	dBm	/	377.572 mW
		256QAM	23.68	dBm	/	233.346 mW
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	BPSK	27.96	dBm	/	625.173 mW
		QPSK	27.90	dBm	/	616.595 mW
		16QAM	26.87	dBm	/	486.407 mW
		64QAM	25.74	dBm	/	374.973 mW
		256QAM	23.66	dBm	/	232.274 mW
n77 (Channel Bandwidth 90MHz)	3745.02-3934.98	BPSK	27.92	dBm	/	619.441 mW
		QPSK	27.94	dBm	/	622.300 mW
		16QAM	26.86	dBm	/	485.289 mW
		64QAM	25.73	dBm	/	374.111 mW
		256QAM	23.68	dBm	/	233.346 mW
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	BPSK	27.98	dBm	/	628.058 mW
		QPSK	27.95	dBm	/	623.735 mW
		16QAM	26.83	dBm	/	481.948 mW
		64QAM	25.77	dBm	/	377.572 mW
		256QAM	23.76	dBm	/	237.684 mW

6. 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.

7. 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.

Antenna No.	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency range	Antenna Type	Connector Type
WWAN Antenna (External)	B71	TAOGLAS	ANT1	0.80	663-698 MHz	PIFA	ipex(MHF)
	B71		ANT2	1.50	663-698 MHz	PIFA	ipex(MHF)
	B71		ANT3	1.90	663-698 MHz	PIFA	ipex(MHF)
	B71		ANT4	1.40	663-698 MHz	PIFA	ipex(MHF)
	B12	TAOGLAS	ANT1	1.20	698-716 MHz	PIFA	ipex(MHF)
	B12		ANT2	1.40	698-716 MHz	PIFA	ipex(MHF)
	B12		ANT3	0.80	698-716 MHz	PIFA	ipex(MHF)
	B12		ANT4	0.80	698-716 MHz	PIFA	ipex(MHF)
	B5	TAOGLAS	ANT1	-1.00	824-849 MHz	PIFA	ipex(MHF)
	B5		ANT2	-1.80	824-849 MHz	PIFA	ipex(MHF)
	B5		ANT3	1.50	824-849 MHz	PIFA	ipex(MHF)
	B5		ANT4	-1.70	824-849 MHz	PIFA	ipex(MHF)
	B4/B66	TAOGLAS	ANT1	4.40	1710-1780 MHz	PIFA	ipex(MHF)
	B4/B66		ANT2	3.70	1710-1780 MHz	PIFA	ipex(MHF)
	B4/B66		ANT3	4.60	1710-1780 MHz	PIFA	ipex(MHF)
	B4/B66		ANT4	3.80	1710-1780 MHz	PIFA	ipex(MHF)
	B2/B25	TAOGLAS	ANT1	4.00	1850-1915 MHz	PIFA	ipex(MHF)
	B2/B25		ANT2	3.50	1850-1915 MHz	PIFA	ipex(MHF)
	B2/B25		ANT3	4.60	1850-1915 MHz	PIFA	ipex(MHF)
	B2/B25		ANT4	3.60	1850-1915 MHz	PIFA	ipex(MHF)
	B41	TAOGLAS	ANT1	3.90	2496-2690 MHz	PIFA	ipex(MHF)
	B41		ANT2	3.80	2496-2690 MHz	PIFA	ipex(MHF)
	B41		ANT3	2.90	2496-2690 MHz	PIFA	ipex(MHF)
	B41		ANT4	4.00	2496-2690 MHz	PIFA	ipex(MHF)
	B48	TAOGLAS	ANT1	2.60	3550-3700 MHz	PIFA	ipex(MHF)
	B48		ANT2	2.30	3550-3700 MHz	PIFA	ipex(MHF)
	B48		ANT3	1.70	3550-3700 MHz	PIFA	ipex(MHF)
	B48		ANT4	2.40	3550-3700 MHz	PIFA	ipex(MHF)
	B77	TAOGLAS	ANT1	3.20	3300-4200 MHz	PIFA	ipex(MHF)
	B77		ANT2	2.80	3300-4200 MHz	PIFA	ipex(MHF)
	B77		ANT3	3.80	3300-4200 MHz	PIFA	ipex(MHF)
	B77		ANT4	2.90	3300-4200 MHz	PIFA	ipex(MHF)

* 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
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
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK	1 RB
	633334 (3500.01 MHz)	100 MHz	BPSK	1 RB

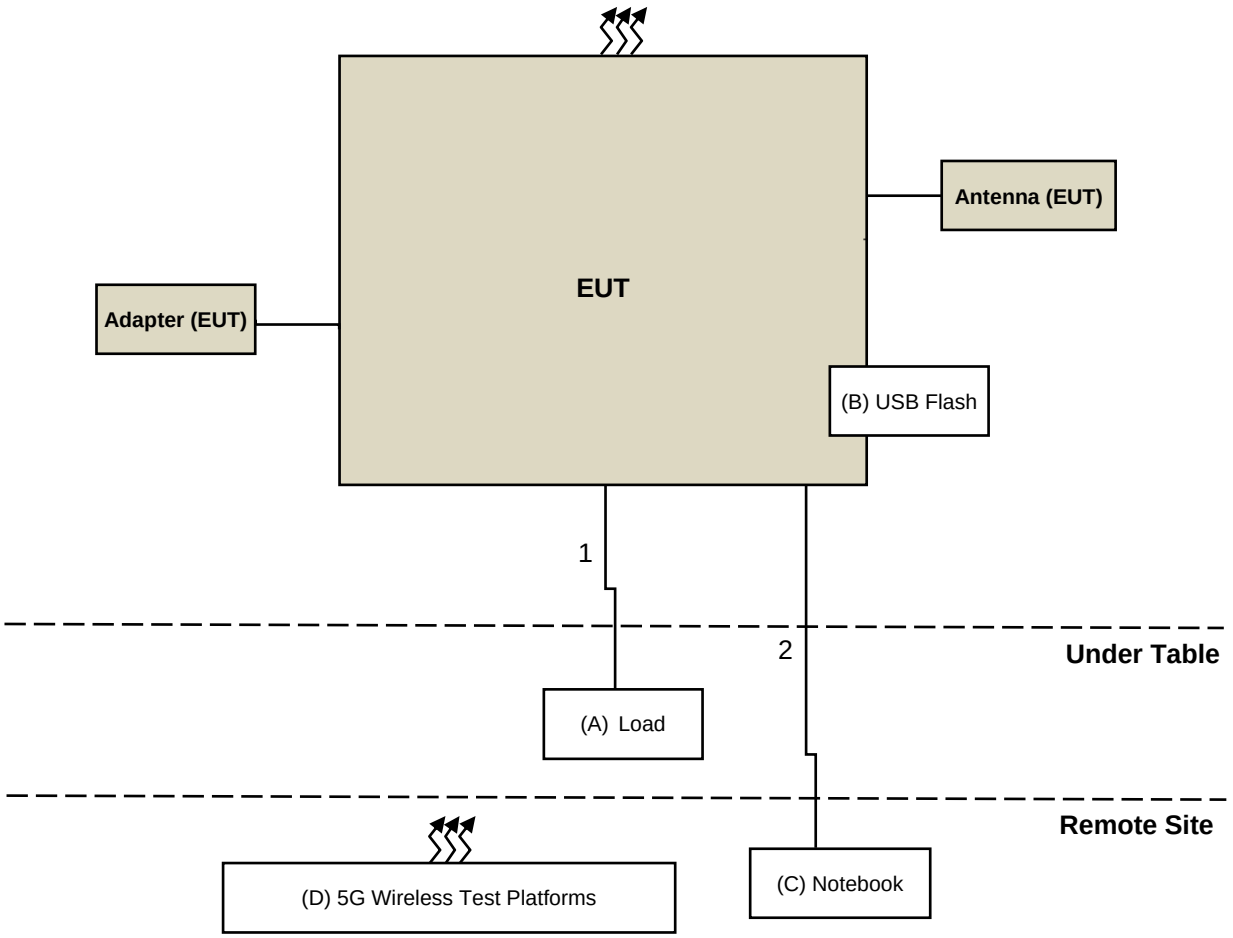
For NR n77 (3700-3980 MHz)

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
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	MY59321376	2023/3/13	2024/3/12
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: 2023/6/2

4.2 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	2023/5/3	2024/5/2
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: 2023/5/24

4.3 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: 2023/5/20 ~ 2023/6/5

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 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.

5.3 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):

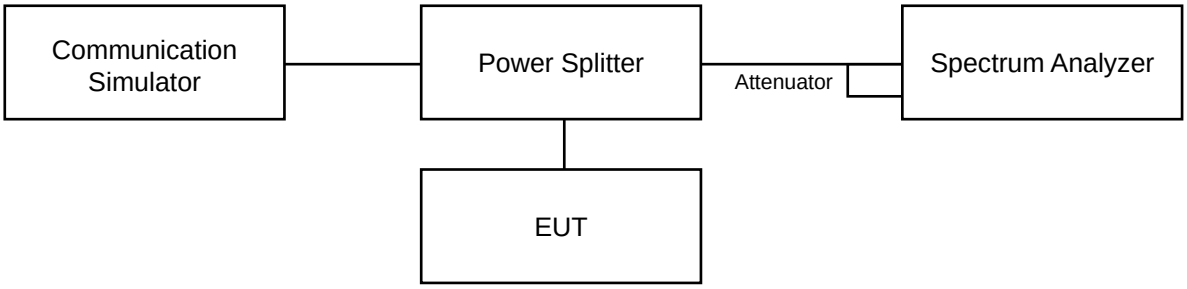
According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

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)

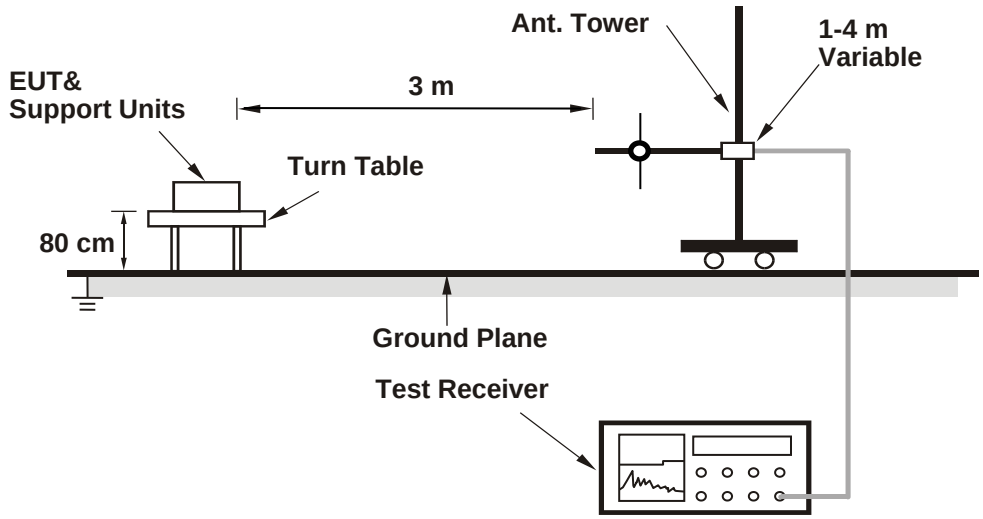
P_{Meas} measured transmitter output power or PSD, in dBm or dBW

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

6.2 Radiated Spurious Emissions below 1GHz

6.2.1 Test Setup

For radiated emission 30 MHz to 1 GHz



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

6.2.2 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.

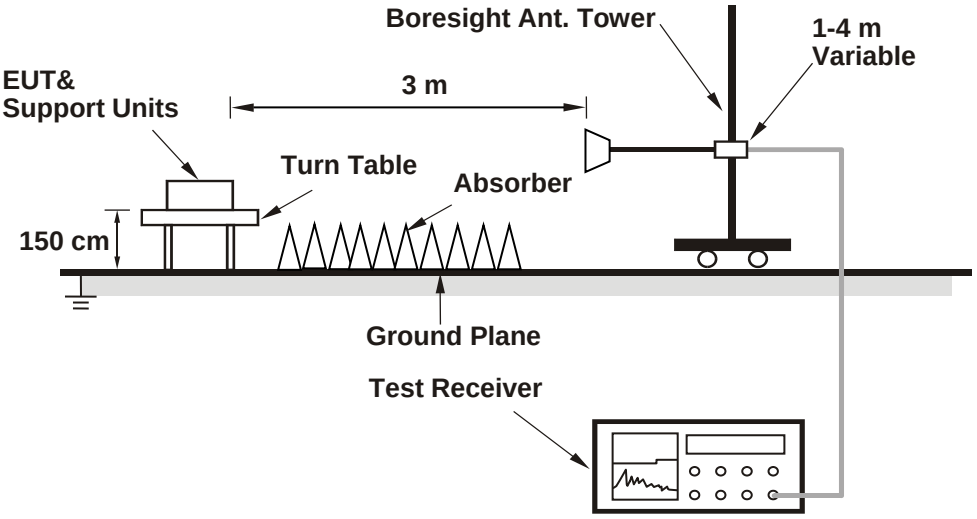
Note:

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.

6.3 Radiated Spurious Emissions above 1GHz

6.3.1 Test Setup

For radiated emission above 1 GHz



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

6.3.2 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.

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, 70% RH	Tested By:	James Yang

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

Conducted Output Power (dBm)

NR Band 77 (ANT 1)						
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	21.16	20.87	20.83
		1	137	20.77	20.62	20.87
		1	271	20.78	20.96	20.79
		135	0	20.79	20.71	20.78
		135	69	20.98	20.66	20.82
		135	138	21.09	20.71	20.73
		270	0	20.84	20.95	20.82
50M	DFT-S QPSK	1	1	20.86	20.59	20.75
		1	137	20.91	20.71	20.60
		1	271	20.84	20.50	20.84
		135	0	20.87	20.73	20.80
		135	69	20.96	20.56	20.79
		135	138	20.96	20.51	20.74
		270	0	20.94	20.44	20.86
50M	DFT-S 16QAM	1	1	20.48	20.61	20.62
50M	DFT-S 64QAM	1	1	19.79	19.52	19.45
50M	DFT-S 256QAM	1	1	17.61	17.40	17.73
50M	CP QPSK	1	1	17.81	18.01	17.97
50M	CP 16QAM	1	1	17.86	17.68	17.57
50M	CP 64QAM	1	1	17.27	17.22	16.96
50M	CP 256QAM	1	1	14.43	14.38	14.41

NR Band 77 (ANT 1)						
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	20.90	20.89	20.91
		1	123	20.88	20.81	20.73
		1	243	20.78	20.67	20.82
		120	0	20.89	20.73	20.72
		120	63	20.89	20.78	20.81
		120	125	20.83	20.79	20.66
		243	0	20.90	20.72	20.77
40M	DFT-S QPSK	1	1	20.99	20.83	20.80
		1	123	20.77	20.62	20.72
		1	243	20.81	20.64	20.79
		120	0	20.69	20.59	20.72
		120	63	20.67	20.70	20.80
		120	125	20.91	20.72	20.64
		243	0	20.98	20.52	20.57
40M	DFT-S 16QAM	1	1	20.64	20.82	20.65
40M	DFT-S 64QAM	1	1	19.71	19.54	19.60
40M	DFT-S 256QAM	1	1	17.78	17.50	17.59
40M	CP QPSK	1	1	17.86	17.81	17.83
40M	CP 16QAM	1	1	17.78	17.74	17.68
40M	CP 64QAM	1	1	17.21	17.24	17.15
40M	CP 256QAM	1	1	14.34	14.44	14.21

NR Band 77 (ANT 1)						
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	21.08	20.99	20.87
		1	109	20.76	20.71	20.71
		1	215	20.92	20.96	20.69
		108	0	20.92	20.63	20.61
		108	55	20.98	20.81	20.54
		108	109	21.00	20.88	20.56
		216	0	20.85	20.84	20.70
20M	DFT-S QPSK	1	1	20.83	20.56	20.74
		1	109	20.79	20.63	20.60
		1	215	20.85	20.50	20.86
		108	0	20.82	20.52	20.69
		108	55	20.69	20.63	20.61
		108	109	20.96	20.59	20.71
		216	0	20.81	20.43	20.68
20M	DFT-S 16QAM	1	1	20.58	20.89	20.58
20M	DFT-S 64QAM	1	1	19.71	19.62	19.53
20M	DFT-S 256QAM	1	1	17.59	17.38	17.52
20M	CP QPSK	1	1	17.82	18.04	17.81
20M	CP 16QAM	1	1	17.69	17.58	17.81
20M	CP 64QAM	1	1	17.29	17.13	17.15
20M	CP 256QAM	1	1	14.35	14.39	14.41

NR Band 77 (ANT 1)						
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	20.97	20.96	20.78
		1	95	20.87	20.75	20.86
		1	187	21.05	20.78	20.71
		90	0	20.78	20.78	20.91
		90	50	20.99	20.84	20.54
		90	99	21.03	20.94	20.72
		180	0	20.98	20.74	20.78
15M	DFT-S QPSK	1	1	21.03	20.80	20.66
		1	95	20.91	20.70	20.59
		1	187	20.83	20.49	20.85
		90	0	20.69	20.64	20.71
		90	50	20.83	20.67	20.80
		90	99	20.91	20.66	20.84
		180	0	20.72	20.69	20.61
15M	DFT-S 16QAM	1	1	20.50	20.71	20.67
15M	DFT-S 64QAM	1	1	19.84	19.40	19.52
15M	DFT-S 256QAM	1	1	17.66	17.55	17.52
15M	CP QPSK	1	1	18.08	17.82	17.84
15M	CP 16QAM	1	1	17.63	17.58	17.56
15M	CP 64QAM	1	1	17.24	17.27	17.24
15M	CP 256QAM	1	1	14.28	14.25	14.43

NR Band 77 (ANT 1)						
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	20.91	20.88	20.90
		1	81	20.96	20.85	20.60
		1	160	20.75	20.83	20.81
		81	0	20.91	20.84	20.73
		81	41	20.99	20.77	20.62
		81	81	21.09	20.93	20.85
		162	0	20.82	20.74	20.85
10M	DFT-S QPSK	1	1	20.95	20.77	20.96
		1	81	20.79	20.55	20.57
		1	160	20.75	20.59	20.70
		81	0	20.83	20.55	20.61
		81	41	20.84	20.70	20.61
		81	81	20.82	20.68	20.66
		162	0	20.70	20.56	20.65
10M	DFT-S 16QAM	1	1	20.58	20.61	20.74
10M	DFT-S 64QAM	1	1	19.76	19.64	19.47
10M	DFT-S 256QAM	1	1	17.65	17.62	17.57
10M	CP QPSK	1	1	17.83	17.86	18.10
10M	CP 16QAM	1	1	17.69	17.71	17.56
10M	CP 64QAM	1	1	17.38	16.99	17.14
10M	CP 256QAM	1	1	14.30	14.48	14.19

NR Band 77 (ANT 3)						
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	21.06	21.01	20.84
		1	137	20.93	20.81	20.57
		1	271	20.93	20.86	20.75
		135	0	20.82	20.68	20.69
		135	69	20.94	20.73	20.55
		135	138	20.93	20.94	20.82
		270	0	20.97	20.72	20.71
50M	DFT-S QPSK	1	1	20.81	20.70	20.80
		1	137	20.79	20.76	20.64
		1	271	20.77	20.69	20.74
		135	0	20.93	20.51	20.72
		135	69	20.86	20.64	20.76
		135	138	20.79	20.70	20.61
		270	0	20.82	20.57	20.66
50M	DFT-S 16QAM	1	1	20.58	20.88	20.74
50M	DFT-S 64QAM	1	1	19.62	19.60	19.35
50M	DFT-S 256QAM	1	1	17.73	17.40	17.62
50M	CP QPSK	1	1	17.94	17.90	18.02
50M	CP 16QAM	1	1	17.80	17.68	17.77
50M	CP 64QAM	1	1	17.40	17.08	17.22
50M	CP 256QAM	1	1	14.33	14.47	14.26

NR Band 77 (ANT 3)						
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	20.91	20.91	20.71
		1	123	20.88	20.89	20.69
		1	243	20.89	20.82	20.66
		120	0	20.90	20.92	20.69
		120	63	20.88	20.93	20.58
		120	125	20.83	20.92	20.64
		243	0	21.01	20.86	20.75
40M	DFT-S QPSK	1	1	21.07	20.70	20.66
		1	123	20.70	20.69	20.71
		1	243	20.82	20.67	20.75
		120	0	20.71	20.59	20.82
		120	63	20.82	20.44	20.80
		120	125	21.00	20.71	20.76
		243	0	20.87	20.70	20.78
40M	DFT-S 16QAM	1	1	20.64	20.90	20.71
40M	DFT-S 64QAM	1	1	19.73	19.58	19.45
40M	DFT-S 256QAM	1	1	17.57	17.60	17.56
40M	CP QPSK	1	1	17.87	17.77	18.05
40M	CP 16QAM	1	1	17.68	17.87	17.61
40M	CP 64QAM	1	1	17.48	17.26	17.05
40M	CP 256QAM	1	1	14.41	14.30	14.27

NR Band 77 (ANT 3)						
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	21.00	20.78	20.76
		1	109	20.83	20.74	20.74
		1	215	20.76	20.73	20.60
		108	0	20.85	20.63	20.66
		108	55	21.02	20.86	20.54
		108	109	21.08	21.01	20.66
		216	0	20.91	20.94	20.62
20M	DFT-S QPSK	1	1	20.87	20.59	20.74
		1	109	20.70	20.55	20.55
		1	215	21.00	20.54	20.74
		108	0	20.68	20.59	20.74
		108	55	20.84	20.65	20.67
		108	109	20.77	20.69	20.73
		216	0	20.72	20.61	20.81
20M	DFT-S 16QAM	1	1	20.76	20.84	20.84
20M	DFT-S 64QAM	1	1	19.74	19.42	19.37
20M	DFT-S 256QAM	1	1	17.77	17.40	17.57
20M	CP QPSK	1	1	17.97	17.81	18.03
20M	CP 16QAM	1	1	17.62	17.59	17.68
20M	CP 64QAM	1	1	17.23	17.07	17.02
20M	CP 256QAM	1	1	14.47	14.48	14.47

NR Band 77 (ANT 3)						
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	20.91	20.93	20.71
		1	95	20.75	20.71	20.74
		1	187	20.93	20.90	20.62
		90	0	20.91	20.74	20.84
		90	50	20.83	20.67	20.62
		90	99	21.11	20.75	20.81
		180	0	21.05	20.70	20.81
15M	DFT-S QPSK	1	1	20.90	20.58	20.71
		1	95	20.79	20.51	20.74
		1	187	20.81	20.78	20.63
		90	0	20.68	20.72	20.90
		90	50	20.92	20.69	20.86
		90	99	20.73	20.74	20.59
		180	0	20.78	20.43	20.81
15M	DFT-S 16QAM	1	1	20.54	20.65	20.57
15M	DFT-S 64QAM	1	1	19.85	19.53	19.37
15M	DFT-S 256QAM	1	1	17.74	17.40	17.61
15M	CP QPSK	1	1	17.83	17.78	18.10
15M	CP 16QAM	1	1	17.71	17.82	17.79
15M	CP 64QAM	1	1	17.22	17.03	17.13
15M	CP 256QAM	1	1	14.41	14.26	14.26

NR Band 77 (ANT 3)						
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	21.03	21.02	20.91
		1	81	20.75	20.64	20.82
		1	160	20.96	20.84	20.81
		81	0	20.97	20.66	20.86
		81	41	20.84	20.92	20.75
		81	81	21.05	21.00	20.66
		162	0	20.99	20.75	20.68
10M	DFT-S QPSK	1	1	20.84	20.58	20.85
		1	81	20.96	20.51	20.80
		1	160	20.99	20.74	20.63
		81	0	20.92	20.78	20.61
		81	41	20.67	20.49	20.57
		81	81	20.89	20.51	20.71
		162	0	20.83	20.45	20.73
10M	DFT-S 16QAM	1	1	20.70	20.80	20.68
10M	DFT-S 64QAM	1	1	19.72	19.52	19.50
10M	DFT-S 256QAM	1	1	17.52	17.48	17.58
10M	CP QPSK	1	1	18.11	18.01	18.08
10M	CP 16QAM	1	1	17.65	17.79	17.73
10M	CP 64QAM	1	1	17.33	17.08	17.12
10M	CP 256QAM	1	1	14.24	14.38	14.17

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	24.12	23.95	23.85
		1	137	23.86	23.73	23.73
		1	271	23.87	23.92	23.78
		135	0	23.82	23.71	23.75
		135	69	23.97	23.71	23.70
		135	138	24.02	23.84	23.79
		270	0	23.92	23.85	23.78
50M	DFT-S QPSK	1	1	23.85	23.66	23.79
		1	137	23.86	23.75	23.63
		1	271	23.82	23.61	23.80
		135	0	23.91	23.63	23.77
		135	69	23.92	23.61	23.79
		135	138	23.89	23.62	23.69
		270	0	23.89	23.52	23.77
50M	DFT-S 16QAM	1	1	23.54	23.76	23.69
50M	DFT-S 64QAM	1	1	22.72	22.57	22.41
50M	DFT-S 256QAM	1	1	20.68	20.41	20.69
50M	CP QPSK	1	1	20.89	20.97	21.01
50M	CP 16QAM	1	1	20.84	20.69	20.68
50M	CP 64QAM	1	1	20.35	20.16	20.10
50M	CP 256QAM	1	1	17.39	17.44	17.35

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	23.92	23.91	23.82
		1	123	23.89	23.86	23.72
		1	243	23.85	23.76	23.75
		120	0	23.91	23.84	23.72
		120	63	23.90	23.87	23.71
		120	125	23.84	23.87	23.66
		243	0	23.97	23.80	23.77
40M	DFT-S QPSK	1	1	24.04	23.78	23.74
		1	123	23.75	23.67	23.73
		1	243	23.83	23.67	23.78
		120	0	23.71	23.60	23.78
		120	63	23.76	23.58	23.81
		120	125	23.97	23.73	23.71
		243	0	23.94	23.62	23.69
40M	DFT-S 16QAM	1	1	23.65	23.87	23.69
40M	DFT-S 64QAM	1	1	22.73	22.57	22.54
40M	DFT-S 256QAM	1	1	20.69	20.56	20.59
40M	CP QPSK	1	1	20.88	20.80	20.95
40M	CP 16QAM	1	1	20.74	20.82	20.66
40M	CP 64QAM	1	1	20.36	20.26	20.11
40M	CP 256QAM	1	1	17.39	17.38	17.25

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	24.05	23.90	23.83
		1	109	23.81	23.74	23.74
		1	215	23.85	23.86	23.66
		108	0	23.90	23.64	23.65
		108	55	24.01	23.85	23.55
		108	109	24.05	23.96	23.62
		216	0	23.89	23.90	23.67
20M	DFT-S QPSK	1	1	23.86	23.59	23.75
		1	109	23.76	23.60	23.59
		1	215	23.94	23.53	23.81
		108	0	23.76	23.57	23.73
		108	55	23.78	23.65	23.65
		108	109	23.88	23.65	23.73
		216	0	23.78	23.53	23.76
20M	DFT-S 16QAM	1	1	23.68	23.88	23.72
20M	DFT-S 64QAM	1	1	22.74	22.53	22.46
20M	DFT-S 256QAM	1	1	20.69	20.40	20.56
20M	CP QPSK	1	1	20.91	20.94	20.93
20M	CP 16QAM	1	1	20.67	20.60	20.76
20M	CP 64QAM	1	1	20.27	20.11	20.10
20M	CP 256QAM	1	1	17.42	17.45	17.45

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	23.95	23.96	23.76
		1	95	23.82	23.74	23.81
		1	187	24.00	23.85	23.68
		90	0	23.86	23.77	23.89
		90	50	23.92	23.77	23.59
		90	99	24.08	23.86	23.78
		180	0	24.03	23.73	23.81
15M	DFT-S QPSK	1	1	23.98	23.70	23.70
		1	95	23.86	23.62	23.68
		1	187	23.83	23.65	23.75
		90	0	23.70	23.69	23.82
		90	50	23.89	23.69	23.84
		90	99	23.83	23.71	23.73
		180	0	23.76	23.57	23.72
15M	DFT-S 16QAM	1	1	23.53	23.69	23.63
15M	DFT-S 64QAM	1	1	22.86	22.48	22.46
15M	DFT-S 256QAM	1	1	20.71	20.49	20.58
15M	CP QPSK	1	1	20.97	20.81	20.98
15M	CP 16QAM	1	1	20.68	20.71	20.69
15M	CP 64QAM	1	1	20.24	20.16	20.20
15M	CP 256QAM	1	1	17.36	17.27	17.36

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	23.98	23.96	23.92
		1	81	23.87	23.76	23.72
		1	160	23.87	23.85	23.82
		81	0	23.95	23.76	23.81
		81	41	23.93	23.86	23.70
		81	81	24.08	23.98	23.77
		162	0	23.92	23.76	23.78
10M	DFT-S QPSK	1	1	23.91	23.69	23.92
		1	81	23.89	23.54	23.70
		1	160	23.88	23.68	23.68
		81	0	23.89	23.68	23.62
		81	41	23.77	23.61	23.60
		81	81	23.87	23.61	23.70
		162	0	23.78	23.52	23.70
10M	DFT-S 16QAM	1	1	23.65	23.72	23.72
10M	DFT-S 64QAM	1	1	22.75	22.59	22.50
10M	DFT-S 256QAM	1	1	20.60	20.56	20.59
10M	CP QPSK	1	1	20.98	20.95	21.10
10M	CP 16QAM	1	1	20.68	20.76	20.66
10M	CP 64QAM	1	1	20.37	20.05	20.14
10M	CP 256QAM	1	1	17.28	17.44	17.19

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	27.92	27.75	27.65
		1	137	27.66	27.53	27.53
		1	271	27.67	27.72	27.58
		135	0	27.62	27.51	27.55
		135	69	27.77	27.51	27.50
		135	138	27.82	27.64	27.59
		270	0	27.72	27.65	27.58
50M	DFT-S QPSK	1	1	27.65	27.46	27.59
		1	137	27.66	27.55	27.43
		1	271	27.62	27.41	27.60
		135	0	27.71	27.43	27.57
		135	69	27.72	27.41	27.59
		135	138	27.69	27.42	27.49
		270	0	27.69	27.32	27.57
50M	DFT-S 16QAM	1	1	27.34	27.56	27.49
50M	DFT-S 64QAM	1	1	26.52	26.37	26.21
50M	DFT-S 256QAM	1	1	24.48	24.21	24.49
50M	CP QPSK	1	1	24.69	24.77	24.81
50M	CP 16QAM	1	1	24.64	24.49	24.48
50M	CP 64QAM	1	1	24.15	23.96	23.90
50M	CP 256QAM	1	1	21.19	21.24	21.15

*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	27.72	27.71	27.62
		1	123	27.69	27.66	27.52
		1	243	27.65	27.56	27.55
		120	0	27.71	27.64	27.52
		120	63	27.70	27.67	27.51
		120	125	27.64	27.67	27.46
		243	0	27.77	27.60	27.57
40M	DFT-S QPSK	1	1	27.84	27.58	27.54
		1	123	27.55	27.47	27.53
		1	243	27.63	27.47	27.58
		120	0	27.51	27.40	27.58
		120	63	27.56	27.38	27.61
		120	125	27.77	27.53	27.51
		243	0	27.74	27.42	27.49
40M	DFT-S 16QAM	1	1	27.45	27.67	27.49
40M	DFT-S 64QAM	1	1	26.53	26.37	26.34
40M	DFT-S 256QAM	1	1	24.49	24.36	24.39
40M	CP QPSK	1	1	24.68	24.60	24.75
40M	CP 16QAM	1	1	24.54	24.62	24.46
40M	CP 64QAM	1	1	24.16	24.06	23.91
40M	CP 256QAM	1	1	21.19	21.18	21.05

*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	27.85	27.70	27.63
		1	109	27.61	27.54	27.54
		1	215	27.65	27.66	27.46
		108	0	27.70	27.44	27.45
		108	55	27.81	27.65	27.35
		108	109	27.85	27.76	27.42
		216	0	27.69	27.70	27.47
20M	DFT-S QPSK	1	1	27.66	27.39	27.55
		1	109	27.56	27.40	27.39
		1	215	27.74	27.33	27.61
		108	0	27.56	27.37	27.53
		108	55	27.58	27.45	27.45
		108	109	27.68	27.45	27.53
		216	0	27.58	27.33	27.56
20M	DFT-S 16QAM	1	1	27.48	27.68	27.52
20M	DFT-S 64QAM	1	1	26.54	26.33	26.26
20M	DFT-S 256QAM	1	1	24.49	24.20	24.36
20M	CP QPSK	1	1	24.71	24.74	24.73
20M	CP 16QAM	1	1	24.47	24.40	24.56
20M	CP 64QAM	1	1	24.07	23.91	23.90
20M	CP 256QAM	1	1	21.22	21.25	21.25

*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	27.75	27.76	27.56
		1	95	27.62	27.54	27.61
		1	187	27.80	27.65	27.48
		90	0	27.66	27.57	27.69
		90	50	27.72	27.57	27.39
		90	99	27.88	27.66	27.58
		180	0	27.83	27.53	27.61
15M	DFT-S QPSK	1	1	27.78	27.50	27.50
		1	95	27.66	27.42	27.48
		1	187	27.63	27.45	27.55
		90	0	27.50	27.49	27.62
		90	50	27.69	27.49	27.64
		90	99	27.63	27.51	27.53
		180	0	27.56	27.37	27.52
15M	DFT-S 16QAM	1	1	27.33	27.49	27.43
15M	DFT-S 64QAM	1	1	26.66	26.28	26.26
15M	DFT-S 256QAM	1	1	24.51	24.29	24.38
15M	CP QPSK	1	1	24.77	24.61	24.78
15M	CP 16QAM	1	1	24.48	24.51	24.49
15M	CP 64QAM	1	1	24.04	23.96	24.00
15M	CP 256QAM	1	1	21.16	21.07	21.16

*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	27.78	27.76	27.72
		1	81	27.67	27.56	27.52
		1	160	27.67	27.65	27.62
		81	0	27.75	27.56	27.61
		81	41	27.73	27.66	27.50
		81	81	27.88	27.78	27.57
		162	0	27.72	27.56	27.58
10M	DFT-S QPSK	1	1	27.71	27.49	27.72
		1	81	27.69	27.34	27.50
		1	160	27.68	27.48	27.48
		81	0	27.69	27.48	27.42
		81	41	27.57	27.41	27.40
		81	81	27.67	27.41	27.50
		162	0	27.58	27.32	27.50
10M	DFT-S 16QAM	1	1	27.45	27.52	27.52
10M	DFT-S 64QAM	1	1	26.55	26.39	26.30
10M	DFT-S 256QAM	1	1	24.40	24.36	24.39
10M	CP QPSK	1	1	24.78	24.75	24.90
10M	CP 16QAM	1	1	24.48	24.56	24.46
10M	CP 64QAM	1	1	24.17	23.85	23.94
10M	CP 256QAM	1	1	21.08	21.24	20.99

*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 1)				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequence (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	20.92
		1	137	20.72
		1	271	20.73
		135	0	20.64
		135	69	20.82
		135	138	20.70
		270	0	20.80
100M	DFT-S QPSK	1	1	20.91
		1	137	20.63
		1	271	20.78
		135	0	20.85
		135	69	20.84
		135	138	20.85
		270	0	20.70
100M	DFT-S 16QAM	1	1	19.85
100M	DFT-S 64QAM	1	1	18.87
100M	DFT-S 256QAM	1	1	16.82
100M	CP QPSK	1	1	17.88
100M	CP 16QAM	1	1	17.56
100M	CP 64QAM	1	1	17.26
100M	CP 256QAM	1	1	14.43

NR Band 77 (ANT 1)						
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	21.04	21.01	20.92
		1	123	21.08	20.64	20.77
		1	243	21.08	20.88	20.93
		120	0	20.86	20.78	20.86
		120	63	20.99	20.72	20.88
		120	125	21.04	20.77	20.83
		243	0	20.86	20.66	20.86
90M	DFT-S QPSK	1	1	21.07	20.79	20.73
		1	123	20.87	20.75	20.42
		1	243	21.02	20.62	20.38
		120	0	21.00	20.72	20.36
		120	63	20.97	20.71	20.66
		120	125	21.00	20.78	20.51
		243	0	20.81	20.80	20.56
90M	DFT-S 16QAM	1	1	19.71	19.71	19.93
90M	DFT-S 64QAM	1	1	18.47	18.65	18.70
90M	DFT-S 256QAM	1	1	16.61	16.65	16.54
90M	CP QPSK	1	1	17.68	17.77	17.82
90M	CP 16QAM	1	1	17.91	17.68	17.84
90M	CP 64QAM	1	1	17.06	17.23	17.16
90M	CP 256QAM	1	1	14.37	14.47	14.51

NR Band 77 (ANT 1)						
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	21.07	20.92	21.02
		1	109	20.84	20.71	20.66
		1	215	20.81	20.93	20.83
		108	0	21.02	20.64	20.92
		108	55	21.10	20.74	20.70
		108	109	20.94	20.66	20.84
		216	0	20.90	20.84	20.70
80M	DFT-S QPSK	1	1	20.98	20.77	20.68
		1	109	20.96	20.83	20.56
		1	215	20.78	20.70	20.62
		108	0	20.86	20.65	20.66
		108	55	20.97	20.79	20.68
		108	109	20.94	20.95	20.48
		216	0	20.81	20.77	20.52
80M	DFT-S 16QAM	1	1	19.69	19.93	19.90
80M	DFT-S 64QAM	1	1	18.47	18.79	18.93
80M	DFT-S 256QAM	1	1	16.56	16.73	16.58
80M	CP QPSK	1	1	17.72	17.83	17.83
80M	CP 16QAM	1	1	17.71	17.70	17.88
80M	CP 64QAM	1	1	17.27	17.22	17.21
80M	CP 256QAM	1	1	14.25	14.33	14.36

NR Band 77 (ANT 1)						
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	21.20	20.99	20.80
		1	95	20.97	20.78	20.80
		1	187	20.87	20.86	20.83
		90	0	20.97	20.75	20.88
		90	50	20.99	20.73	20.88
		90	99	21.10	20.61	20.67
		180	0	20.84	20.67	20.91
70M	DFT-S QPSK	1	1	21.12	20.97	20.57
		1	95	21.00	20.59	20.60
		1	187	21.04	20.76	20.43
		90	0	20.75	20.80	20.40
		90	50	21.02	20.79	20.47
		90	99	21.04	20.93	20.55
		180	0	21.06	20.95	20.44
70M	DFT-S 16QAM	1	1	19.86	19.72	19.84
70M	DFT-S 64QAM	1	1	18.63	18.60	18.69
70M	DFT-S 256QAM	1	1	16.45	16.65	16.61
70M	CP QPSK	1	1	17.79	17.87	17.65
70M	CP 16QAM	1	1	17.83	17.71	17.78
70M	CP 64QAM	1	1	17.15	17.22	17.23
70M	CP 256QAM	1	1	14.33	14.33	14.49

NR Band 77 (ANT 1)						
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	21.20	20.77	20.97
		1	81	21.01	20.71	20.67
		1	160	20.88	20.84	20.82
		81	0	20.90	20.62	20.74
		81	41	21.07	20.85	20.93
		81	81	21.16	20.86	20.74
		162	0	20.88	20.79	20.81
60M	DFT-S QPSK	1	1	21.08	20.81	20.76
		1	81	21.08	20.74	20.52
		1	160	20.96	20.85	20.42
		81	0	20.91	20.86	20.40
		81	41	21.00	20.86	20.48
		81	81	21.08	20.76	20.37
		162	0	21.06	20.90	20.68
60M	DFT-S 16QAM	1	1	19.88	19.74	19.78
60M	DFT-S 64QAM	1	1	18.69	18.81	18.89
60M	DFT-S 256QAM	1	1	16.56	16.86	16.59
60M	CP QPSK	1	1	17.89	17.68	17.74
60M	CP 16QAM	1	1	17.84	17.69	17.80
60M	CP 64QAM	1	1	17.10	17.13	17.14
60M	CP 256QAM	1	1	14.26	14.58	14.57

NR Band 77 (ANT 1)						
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	21.14	20.99	20.99
		1	67	21.08	20.62	20.67
		1	131	21.06	20.81	20.71
		64	0	20.95	20.64	20.62
		64	35	21.05	20.70	20.71
		64	69	20.96	20.84	20.67
		128	0	21.01	20.94	20.68
50M	DFT-S QPSK	1	1	20.92	20.98	20.65
		1	67	20.83	20.85	20.65
		1	131	21.02	20.91	20.65
		64	0	20.95	20.70	20.57
		64	35	21.05	20.74	20.65
		64	69	20.84	20.91	20.41
		128	0	20.84	20.79	20.64
50M	DFT-S 16QAM	1	1	19.66	19.76	20.03
50M	DFT-S 64QAM	1	1	18.67	18.63	18.85
50M	DFT-S 256QAM	1	1	16.62	16.63	16.56
50M	CP QPSK	1	1	17.87	17.85	17.65
50M	CP 16QAM	1	1	18.00	17.68	17.94
50M	CP 64QAM	1	1	17.23	17.16	17.33
50M	CP 256QAM	1	1	14.32	14.37	14.36

NR Band 77 (ANT 1)						
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	21.02	20.79	20.85
		1	53	20.89	20.63	20.95
		1	104	20.96	20.94	20.69
		50	0	21.15	20.61	20.83
		50	28	21.13	20.77	20.86
		50	56	21.06	20.61	20.89
		100	0	21.06	20.74	20.77
40M	DFT-S QPSK	1	1	20.94	20.95	20.76
		1	53	20.89	20.73	20.58
		1	104	20.81	20.90	20.60
		50	0	20.94	20.85	20.65
		50	28	20.93	20.85	20.38
		50	56	20.99	20.82	20.55
		100	0	21.02	20.72	20.72
40M	DFT-S 16QAM	1	1	19.61	19.70	19.94
40M	DFT-S 64QAM	1	1	18.51	18.58	18.80
40M	DFT-S 256QAM	1	1	16.63	16.68	16.62
40M	CP QPSK	1	1	17.78	17.61	17.91
40M	CP 16QAM	1	1	18.00	17.72	17.76
40M	CP 64QAM	1	1	17.26	17.16	17.31
40M	CP 256QAM	1	1	14.23	14.34	14.38

NR Band 77 (ANT 1)						
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	20.82	20.91	20.57
		1	39	21.18	20.84	20.75
		1	76	21.20	20.82	20.56
		36	0	21.21	20.87	20.77
		36	21	20.89	20.70	20.59
		36	42	21.03	20.58	20.73
		75	0	21.16	20.91	20.66
30M	DFT-S QPSK	1	1	20.65	20.77	20.74
		1	39	20.71	20.56	20.68
		1	76	20.42	20.69	20.73
		36	0	20.49	20.67	20.66
		36	21	20.38	20.79	20.60
		36	42	20.63	20.57	20.74
		75	0	20.68	20.72	20.63
30M	DFT-S 16QAM	1	1	19.78	19.76	19.95
30M	DFT-S 64QAM	1	1	18.66	18.89	18.59
30M	DFT-S 256QAM	1	1	16.98	16.84	16.28
30M	CP QPSK	1	1	17.62	17.69	17.82
30M	CP 16QAM	1	1	17.80	17.96	17.82
30M	CP 64QAM	1	1	17.42	17.12	16.99
30M	CP 256QAM	1	1	14.59	14.24	14.25

NR Band 77 (ANT 1)						
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	21.03	20.98	21.05
		1	26	20.88	20.83	20.69
		1	49	21.09	20.71	20.75
		25	0	21.13	20.62	20.88
		25	13	21.10	20.71	20.81
		25	26	21.06	20.60	20.90
		50	0	20.99	20.75	20.75
20M	DFT-S QPSK	1	1	21.05	20.81	20.59
		1	26	20.83	20.85	20.48
		1	49	20.84	20.87	20.60
		25	0	20.82	20.58	20.53
		25	13	20.91	20.77	20.59
		25	26	21.09	20.92	20.51
		50	0	20.94	20.68	20.73
20M	DFT-S 16QAM	1	1	19.63	19.73	19.86
20M	DFT-S 64QAM	1	1	18.44	18.62	18.92
20M	DFT-S 256QAM	1	1	16.59	16.76	16.62
20M	CP QPSK	1	1	17.74	17.65	17.79
20M	CP 16QAM	1	1	17.91	17.80	17.71
20M	CP 64QAM	1	1	17.10	17.07	17.13
20M	CP 256QAM	1	1	14.27	14.41	14.52

NR Band 77 (ANT 1)						
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	21.10	21.02	20.89
		1	19	21.04	20.83	20.69
		1	36	20.95	20.72	20.80
		18	0	20.95	20.70	20.77
		18	10	20.97	20.92	20.79
		18	20	20.96	20.76	20.77
		36	0	20.94	20.66	20.83
15M	DFT-S QPSK	1	1	21.15	20.83	20.64
		1	19	20.84	20.88	20.35
		1	36	20.84	20.80	20.64
		18	0	20.75	20.72	20.40
		18	10	20.97	20.85	20.62
		18	20	20.82	20.86	20.57
		36	0	20.91	20.65	20.55
15M	DFT-S 16QAM	1	1	19.61	19.69	19.77
15M	DFT-S 64QAM	1	1	18.69	18.87	18.77
15M	DFT-S 256QAM	1	1	16.60	16.78	16.61
15M	CP QPSK	1	1	17.66	17.77	17.72
15M	CP 16QAM	1	1	17.93	17.56	17.78
15M	CP 64QAM	1	1	17.21	17.34	17.17
15M	CP 256QAM	1	1	14.31	14.48	14.31

NR Band 77 (ANT 1)						
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	21.09	20.91	20.89
		1	11	20.90	20.76	20.80
		1	22	20.81	20.71	20.82
		12	0	20.92	20.58	20.76
		12	6	21.15	20.74	20.85
		12	12	20.94	20.78	20.91
		24	0	21.01	20.65	20.68
10M	DFT-S QPSK	1	1	21.16	20.91	20.68
		1	11	20.81	20.79	20.43
		1	22	20.86	20.83	20.65
		12	0	20.81	20.82	20.36
		12	6	20.75	20.86	20.50
		12	12	21.02	20.80	20.61
		24	0	21.01	20.82	20.49
10M	DFT-S 16QAM	1	1	19.64	19.91	19.97
10M	DFT-S 64QAM	1	1	18.68	18.59	18.82
10M	DFT-S 256QAM	1	1	16.53	16.62	16.39
10M	CP QPSK	1	1	17.90	17.68	17.92
10M	CP 16QAM	1	1	17.97	17.53	17.67
10M	CP 64QAM	1	1	17.04	17.11	17.05
10M	CP 256QAM	1	1	14.30	14.35	14.56

NR Band 77 (ANT 3)				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequence (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	20.82
		1	137	20.65
		1	271	20.87
		135	0	20.78
		135	69	20.72
		135	138	20.84
		270	0	20.91
100M	DFT-S QPSK	1	1	20.86
		1	137	20.75
		1	271	20.80
		135	0	20.74
		135	69	20.78
		135	138	20.83
		270	0	20.77
100M	DFT-S 16QAM	1	1	19.85
100M	DFT-S 64QAM	1	1	18.86
100M	DFT-S 256QAM	1	1	16.69
100M	CP QPSK	1	1	17.70
100M	CP 16QAM	1	1	17.66
100M	CP 64QAM	1	1	17.04
100M	CP 256QAM	1	1	14.54

NR Band 77 (ANT 3)						
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	20.98	20.94	20.90
		1	123	21.06	20.71	20.96
		1	243	20.93	20.89	20.87
		120	0	21.01	20.80	20.83
		120	63	21.01	20.92	20.90
		120	125	21.10	20.82	20.82
		243	0	20.84	20.66	20.90
90M	DFT-S QPSK	1	1	21.12	20.81	20.76
		1	123	20.93	20.61	20.43
		1	243	20.92	20.88	20.52
		120	0	20.95	20.68	20.61
		120	63	20.98	20.83	20.55
		120	125	20.83	20.80	20.40
		243	0	20.87	20.66	20.51
90M	DFT-S 16QAM	1	1	19.66	19.69	19.78
90M	DFT-S 64QAM	1	1	18.70	18.65	18.69
90M	DFT-S 256QAM	1	1	16.55	16.83	16.49
90M	CP QPSK	1	1	17.84	17.63	17.90
90M	CP 16QAM	1	1	17.79	17.50	17.79
90M	CP 64QAM	1	1	17.27	17.33	17.32
90M	CP 256QAM	1	1	14.33	14.59	14.41

NR Band 77 (ANT 3)						
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	21.10	20.83	20.91
		1	109	20.99	20.64	20.69
		1	215	21.01	20.76	20.64
		108	0	21.01	20.61	20.77
		108	55	21.16	20.76	20.66
		108	109	21.05	20.88	20.67
		216	0	21.05	20.70	20.92
80M	DFT-S QPSK	1	1	20.91	20.87	20.52
		1	109	20.78	20.71	20.46
		1	215	20.91	20.75	20.56
		108	0	21.02	20.68	20.45
		108	55	20.87	20.69	20.49
		108	109	20.84	20.71	20.62
		216	0	20.89	20.87	20.65
80M	DFT-S 16QAM	1	1	19.80	19.81	20.05
80M	DFT-S 64QAM	1	1	18.56	18.74	18.96
80M	DFT-S 256QAM	1	1	16.44	16.75	16.42
80M	CP QPSK	1	1	17.78	17.79	17.67
80M	CP 16QAM	1	1	17.97	17.53	17.82
80M	CP 64QAM	1	1	17.05	17.10	17.21
80M	CP 256QAM	1	1	14.31	14.29	14.41

NR Band 77 (ANT 3)						
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	21.06	20.83	20.94
		1	95	20.96	20.57	20.86
		1	187	20.87	20.86	20.63
		90	0	21.09	20.67	20.68
		90	50	20.99	20.78	20.74
		90	99	21.01	20.67	20.68
		180	0	20.80	20.94	20.88
70M	DFT-S QPSK	1	1	20.90	20.81	20.75
		1	95	21.08	20.65	20.57
		1	187	20.77	20.89	20.64
		90	0	21.02	20.83	20.53
		90	50	20.92	20.86	20.59
		90	99	21.00	20.81	20.61
		180	0	20.92	20.73	20.45
70M	DFT-S 16QAM	1	1	19.76	19.99	20.04
70M	DFT-S 64QAM	1	1	18.74	18.77	18.86
70M	DFT-S 256QAM	1	1	16.63	16.60	16.38
70M	CP QPSK	1	1	17.89	17.73	17.76
70M	CP 16QAM	1	1	17.93	17.72	17.78
70M	CP 64QAM	1	1	17.11	17.29	17.18
70M	CP 256QAM	1	1	14.31	14.45	14.59

NR Band 77 (ANT 3)						
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	20.98	20.85	21.04
		1	81	20.89	20.78	20.84
		1	160	20.98	20.88	20.74
		81	0	21.09	20.77	20.85
		81	41	21.01	20.78	20.71
		81	81	21.16	20.63	20.96
		162	0	20.86	20.77	20.63
60M	DFT-S QPSK	1	1	20.87	20.73	20.63
		1	81	20.98	20.83	20.56
		1	160	21.05	20.92	20.48
		81	0	20.97	20.61	20.64
		81	41	20.77	20.68	20.53
		81	81	20.99	20.72	20.63
		162	0	20.93	20.70	20.73
60M	DFT-S 16QAM	1	1	19.58	19.93	19.75
60M	DFT-S 64QAM	1	1	18.58	18.67	18.96
60M	DFT-S 256QAM	1	1	16.71	16.79	16.38
60M	CP QPSK	1	1	17.75	17.66	17.92
60M	CP 16QAM	1	1	17.89	17.58	17.86
60M	CP 64QAM	1	1	17.04	17.34	17.18
60M	CP 256QAM	1	1	14.28	14.45	14.39

NR Band 77 (ANT 3)						
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	21.00	20.75	20.80
		1	67	21.08	20.64	20.81
		1	131	20.79	20.86	20.78
		64	0	20.90	20.73	20.81
		64	35	20.91	20.76	20.78
		64	69	21.11	20.78	20.87
		128	0	20.91	20.78	20.64
50M	DFT-S QPSK	1	1	21.02	20.94	20.71
		1	67	20.94	20.62	20.45
		1	131	21.00	20.76	20.64
		64	0	20.92	20.60	20.56
		64	35	20.86	20.63	20.41
		64	69	21.10	20.69	20.39
		128	0	20.99	20.73	20.66
50M	DFT-S 16QAM	1	1	19.78	19.93	19.89
50M	DFT-S 64QAM	1	1	18.45	18.61	18.69
50M	DFT-S 256QAM	1	1	16.46	16.86	16.44
50M	CP QPSK	1	1	17.88	17.87	17.63
50M	CP 16QAM	1	1	17.86	17.57	17.94
50M	CP 64QAM	1	1	17.26	17.19	17.08
50M	CP 256QAM	1	1	14.31	14.42	14.55

NR Band 77 (ANT 3)						
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	21.02	20.84	20.79
		1	53	20.95	20.80	20.74
		1	104	21.07	20.86	20.86
		50	0	20.88	20.69	20.89
		50	28	21.01	20.64	20.86
		50	56	20.88	20.66	20.73
		100	0	21.03	20.92	20.79
40M	DFT-S QPSK	1	1	20.91	20.81	20.78
		1	53	20.95	20.82	20.38
		1	104	20.85	20.73	20.64
		50	0	20.98	20.86	20.48
		50	28	20.81	20.71	20.55
		50	56	21.09	20.92	20.40
		100	0	20.83	20.85	20.52
40M	DFT-S 16QAM	1	1	19.87	19.78	19.94
40M	DFT-S 64QAM	1	1	18.67	18.76	18.90
40M	DFT-S 256QAM	1	1	16.68	16.86	16.38
40M	CP QPSK	1	1	17.87	17.62	17.89
40M	CP 16QAM	1	1	17.96	17.70	17.68
40M	CP 64QAM	1	1	17.24	17.07	17.24
40M	CP 256QAM	1	1	14.24	14.57	14.42

NR Band 77 (ANT 3)						
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	21.03	20.81	20.72
		1	39	21.06	20.73	20.62
		1	76	20.95	20.99	20.47
		36	0	21.09	20.83	20.53
		36	21	21.08	20.86	20.50
		36	42	20.78	20.84	20.72
		75	0	21.00	20.79	20.86
30M	DFT-S QPSK	1	1	20.52	20.62	20.89
		1	39	20.94	20.54	20.60
		1	76	20.60	20.63	20.73
		36	0	20.55	20.54	20.70
		36	21	20.41	20.60	20.69
		36	42	20.53	20.66	20.91
		75	0	20.78	20.83	20.81
30M	DFT-S 16QAM	1	1	19.79	19.75	19.74
30M	DFT-S 64QAM	1	1	18.60	18.66	18.56
30M	DFT-S 256QAM	1	1	16.96	16.83	16.44
30M	CP QPSK	1	1	17.78	17.73	17.93
30M	CP 16QAM	1	1	18.02	17.97	18.04
30M	CP 64QAM	1	1	17.48	17.22	17.16
30M	CP 256QAM	1	1	14.49	14.15	14.33

NR Band 77 (ANT 3)						
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	21.21	21.01	20.80
		1	26	20.94	20.60	20.83
		1	49	20.88	20.73	20.86
		25	0	20.92	20.85	20.78
		25	13	21.01	20.64	20.89
		25	26	21.14	20.67	20.77
		50	0	20.80	20.82	20.89
20M	DFT-S QPSK	1	1	21.10	20.95	20.54
		1	26	20.94	20.65	20.49
		1	49	20.87	20.64	20.50
		25	0	20.79	20.63	20.57
		25	13	20.86	20.65	20.63
		25	26	20.92	20.86	20.49
		50	0	20.85	20.68	20.69
20M	DFT-S 16QAM	1	1	19.75	19.84	19.95
20M	DFT-S 64QAM	1	1	18.46	18.87	18.69
20M	DFT-S 256QAM	1	1	16.69	16.63	16.52
20M	CP QPSK	1	1	17.88	17.89	17.84
20M	CP 16QAM	1	1	17.76	17.72	17.66
20M	CP 64QAM	1	1	17.10	17.16	17.20
20M	CP 256QAM	1	1	14.33	14.30	14.38

NR Band 77 (ANT 3)						
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	21.12	20.89	21.02
		1	19	21.08	20.64	20.96
		1	36	21.08	20.89	20.77
		18	0	20.99	20.62	20.86
		18	10	21.16	20.86	20.75
		18	20	21.02	20.77	20.88
		36	0	21.08	20.83	20.87
15M	DFT-S QPSK	1	1	21.03	20.73	20.49
		1	19	20.99	20.72	20.35
		1	36	20.99	20.70	20.65
		18	0	20.98	20.66	20.43
		18	10	20.91	20.62	20.61
		18	20	20.94	20.85	20.60
		36	0	20.83	20.70	20.44
15M	DFT-S 16QAM	1	1	19.62	19.87	19.99
15M	DFT-S 64QAM	1	1	18.62	18.59	18.82
15M	DFT-S 256QAM	1	1	16.46	16.68	16.55
15M	CP QPSK	1	1	17.92	17.71	17.63
15M	CP 16QAM	1	1	17.89	17.65	17.85
15M	CP 64QAM	1	1	17.08	17.31	17.35
15M	CP 256QAM	1	1	14.43	14.37	14.34

NR Band 77 (ANT 3)						
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	20.96	20.88	20.95
		1	11	20.96	20.57	20.84
		1	22	21.03	20.68	20.69
		12	0	20.86	20.73	20.68
		12	6	21.12	20.67	20.75
		12	12	21.05	20.59	20.80
		24	0	20.82	20.93	20.71
10M	DFT-S QPSK	1	1	21.05	20.89	20.70
		1	11	21.05	20.73	20.58
		1	22	20.86	20.68	20.59
		12	0	20.94	20.73	20.64
		12	6	20.83	20.65	20.62
		12	12	21.00	20.74	20.50
		24	0	20.90	20.68	20.50
10M	DFT-S 16QAM	1	1	19.68	19.91	19.83
10M	DFT-S 64QAM	1	1	18.58	18.59	18.69
10M	DFT-S 256QAM	1	1	16.69	16.70	16.57
10M	CP QPSK	1	1	17.77	17.91	17.89
10M	CP 16QAM	1	1	17.86	17.56	17.88
10M	CP 64QAM	1	1	17.24	17.29	17.30
10M	CP 256QAM	1	1	14.21	14.35	14.54

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	23.88
		1	137	23.70
		1	271	23.81
		135	0	23.72
		135	69	23.78
		135	138	23.78
		270	0	23.87
100M	DFT-S QPSK	1	1	23.90
		1	137	23.70
		1	271	23.80
		135	0	23.81
		135	69	23.82
		135	138	23.85
		270	0	23.75
100M	DFT-S 16QAM	1	1	22.86
100M	DFT-S 64QAM	1	1	21.88
100M	DFT-S 256QAM	1	1	19.77
100M	CP QPSK	1	1	20.80
100M	CP 16QAM	1	1	20.62
100M	CP 64QAM	1	1	20.16
100M	CP 256QAM	1	1	17.50

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	24.02	23.99	23.92
		1	123	24.08	23.69	23.88
		1	243	24.02	23.90	23.91
		120	0	23.95	23.80	23.86
		120	63	24.01	23.83	23.90
		120	125	24.08	23.81	23.84
		243	0	23.86	23.67	23.89
90M	DFT-S QPSK	1	1	24.11	23.81	23.76
		1	123	23.91	23.69	23.44
		1	243	23.98	23.76	23.46
		120	0	23.99	23.71	23.50
		120	63	23.99	23.78	23.62
		120	125	23.93	23.80	23.47
		243	0	23.85	23.74	23.55
90M	DFT-S 16QAM	1	1	22.70	22.71	22.87
90M	DFT-S 64QAM	1	1	21.60	21.66	21.71
90M	DFT-S 256QAM	1	1	19.59	19.75	19.53
90M	CP QPSK	1	1	20.77	20.71	20.87
90M	CP 16QAM	1	1	20.86	20.60	20.83
90M	CP 64QAM	1	1	20.18	20.29	20.25
90M	CP 256QAM	1	1	17.36	17.54	17.47

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	24.10	23.89	23.98
		1	109	23.93	23.69	23.69
		1	215	23.92	23.86	23.75
		108	0	24.03	23.64	23.86
		108	55	24.14	23.76	23.69
		108	109	24.01	23.78	23.77
		216	0	23.99	23.78	23.82
80M	DFT-S QPSK	1	1	23.96	23.83	23.61
		1	109	23.88	23.78	23.52
		1	215	23.86	23.74	23.60
		108	0	23.95	23.68	23.57
		108	55	23.93	23.75	23.60
		108	109	23.90	23.84	23.56
		216	0	23.86	23.83	23.60
80M	DFT-S 16QAM	1	1	22.76	22.88	22.99
80M	DFT-S 64QAM	1	1	21.53	21.78	21.96
80M	DFT-S 256QAM	1	1	19.51	19.75	19.51
80M	CP QPSK	1	1	20.76	20.82	20.76
80M	CP 16QAM	1	1	20.85	20.63	20.86
80M	CP 64QAM	1	1	20.17	20.17	20.22
80M	CP 256QAM	1	1	17.29	17.32	17.40

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	24.14	23.92	23.88
		1	95	23.98	23.69	23.84
		1	187	23.88	23.87	23.74
		90	0	24.04	23.72	23.79
		90	50	24.00	23.77	23.82
		90	99	24.07	23.65	23.69
		180	0	23.83	23.82	23.91
70M	DFT-S QPSK	1	1	24.02	23.90	23.67
		1	95	24.05	23.63	23.60
		1	187	23.92	23.84	23.55
		90	0	23.90	23.83	23.48
		90	50	23.98	23.84	23.54
		90	99	24.03	23.88	23.59
		180	0	24.00	23.85	23.46
70M	DFT-S 16QAM	1	1	22.82	22.87	22.95
70M	DFT-S 64QAM	1	1	21.70	21.70	21.79
70M	DFT-S 256QAM	1	1	19.55	19.64	19.51
70M	CP QPSK	1	1	20.85	20.81	20.72
70M	CP 16QAM	1	1	20.89	20.73	20.79
70M	CP 64QAM	1	1	20.14	20.27	20.22
70M	CP 256QAM	1	1	17.33	17.40	17.55

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	24.10	23.82	24.02
		1	81	23.96	23.76	23.77
		1	160	23.94	23.87	23.79
		81	0	24.01	23.71	23.81
		81	41	24.05	23.83	23.83
		81	81	24.17	23.76	23.86
		162	0	23.88	23.79	23.73
60M	DFT-S QPSK	1	1	23.99	23.78	23.71
		1	81	24.04	23.80	23.55
		1	160	24.02	23.90	23.46
		81	0	23.95	23.75	23.53
		81	41	23.90	23.78	23.52
		81	81	24.05	23.75	23.51
		162	0	24.01	23.81	23.72
60M	DFT-S 16QAM	1	1	22.74	22.85	22.78
60M	DFT-S 64QAM	1	1	21.65	21.75	21.94
60M	DFT-S 256QAM	1	1	19.65	19.84	19.50
60M	CP QPSK	1	1	20.83	20.68	20.84
60M	CP 16QAM	1	1	20.88	20.65	20.84
60M	CP 64QAM	1	1	20.08	20.25	20.17
60M	CP 256QAM	1	1	17.28	17.53	17.49

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	24.08	23.88	23.91
		1	67	24.09	23.64	23.75
		1	131	23.94	23.85	23.76
		64	0	23.94	23.70	23.73
		64	35	23.99	23.74	23.76
		64	69	24.05	23.82	23.78
		128	0	23.97	23.87	23.67
50M	DFT-S QPSK	1	1	23.98	23.97	23.69
		1	67	23.90	23.75	23.56
		1	131	24.02	23.85	23.66
		64	0	23.95	23.66	23.58
		64	35	23.97	23.70	23.54
		64	69	23.98	23.81	23.41
		128	0	23.93	23.77	23.66
50M	DFT-S 16QAM	1	1	22.73	22.86	22.97
50M	DFT-S 64QAM	1	1	21.57	21.63	21.78
50M	DFT-S 256QAM	1	1	19.55	19.76	19.51
50M	CP QPSK	1	1	20.89	20.87	20.65
50M	CP 16QAM	1	1	20.94	20.64	20.95
50M	CP 64QAM	1	1	20.26	20.19	20.22
50M	CP 256QAM	1	1	17.33	17.41	17.47

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	24.03	23.83	23.83
		1	53	23.93	23.73	23.86
		1	104	24.03	23.91	23.79
		50	0	24.03	23.66	23.87
		50	28	24.08	23.72	23.87
		50	56	23.98	23.65	23.82
		100	0	24.06	23.84	23.79
40M	DFT-S QPSK	1	1	23.94	23.89	23.78
		1	53	23.93	23.79	23.49
		1	104	23.84	23.83	23.63
		50	0	23.97	23.87	23.58
		50	28	23.88	23.79	23.48
		50	56	24.05	23.88	23.49
		100	0	23.94	23.80	23.63
40M	DFT-S 16QAM	1	1	22.75	22.75	22.95
40M	DFT-S 64QAM	1	1	21.60	21.68	21.86
40M	DFT-S 256QAM	1	1	19.67	19.78	19.51
40M	CP QPSK	1	1	20.84	20.63	20.91
40M	CP 16QAM	1	1	20.99	20.72	20.73
40M	CP 64QAM	1	1	20.26	20.13	20.29
40M	CP 256QAM	1	1	17.25	17.47	17.41

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	23.94	23.87	23.66
		1	39	24.13	23.80	23.70
		1	76	24.09	23.92	23.53
		36	0	24.16	23.86	23.66
		36	21	24.00	23.79	23.56
		36	42	23.92	23.72	23.74
		75	0	24.09	23.86	23.77
30M	DFT-S QPSK	1	1	23.60	23.71	23.83
		1	39	23.84	23.56	23.65
		1	76	23.52	23.67	23.74
		36	0	23.53	23.62	23.69
		36	21	23.41	23.71	23.66
		36	42	23.59	23.63	23.84
		75	0	23.74	23.79	23.73
30M	DFT-S 16QAM	1	1	22.80	22.77	22.86
30M	DFT-S 64QAM	1	1	21.64	21.79	21.59
30M	DFT-S 256QAM	1	1	19.98	19.85	19.37
30M	CP QPSK	1	1	20.71	20.72	20.89
30M	CP 16QAM	1	1	20.92	20.98	20.94
30M	CP 64QAM	1	1	20.46	20.18	20.09
30M	CP 256QAM	1	1	17.55	17.21	17.30

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	24.13	24.01	23.94
		1	26	23.92	23.73	23.77
		1	49	24.00	23.73	23.82
		25	0	24.04	23.75	23.84
		25	13	24.07	23.69	23.86
		25	26	24.11	23.65	23.85
		50	0	23.91	23.80	23.83
20M	DFT-S QPSK	1	1	24.09	23.89	23.58
		1	26	23.90	23.76	23.50
		1	49	23.87	23.77	23.56
		25	0	23.82	23.62	23.56
		25	13	23.90	23.72	23.62
		25	26	24.02	23.90	23.51
		50	0	23.91	23.69	23.72
20M	DFT-S 16QAM	1	1	22.70	22.80	22.92
20M	DFT-S 64QAM	1	1	21.46	21.76	21.82
20M	DFT-S 256QAM	1	1	19.65	19.71	19.58
20M	CP QPSK	1	1	20.82	20.78	20.83
20M	CP 16QAM	1	1	20.85	20.77	20.70
20M	CP 64QAM	1	1	20.11	20.13	20.18
20M	CP 256QAM	1	1	17.31	17.37	17.46

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	24.12	23.97	23.97
		1	19	24.07	23.75	23.84
		1	36	24.03	23.82	23.80
		18	0	23.98	23.67	23.83
		18	10	24.08	23.90	23.78
		18	20	24.00	23.78	23.84
		36	0	24.02	23.76	23.86
15M	DFT-S QPSK	1	1	24.10	23.79	23.58
		1	19	23.93	23.81	23.36
		1	36	23.93	23.76	23.66
		18	0	23.88	23.70	23.43
		18	10	23.95	23.75	23.63
		18	20	23.89	23.87	23.60
		36	0	23.88	23.69	23.51
15M	DFT-S 16QAM	1	1	22.63	22.79	22.89
15M	DFT-S 64QAM	1	1	21.67	21.74	21.81
15M	DFT-S 256QAM	1	1	19.54	19.74	19.59
15M	CP QPSK	1	1	20.80	20.75	20.69
15M	CP 16QAM	1	1	20.92	20.62	20.83
15M	CP 64QAM	1	1	20.16	20.34	20.27
15M	CP 256QAM	1	1	17.38	17.44	17.34

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	24.04	23.91	23.93
		1	11	23.94	23.68	23.83
		1	22	23.93	23.71	23.77
		12	0	23.90	23.67	23.73
		12	6	24.15	23.72	23.81
		12	12	24.01	23.70	23.87
		24	0	23.93	23.80	23.71
10M	DFT-S QPSK	1	1	24.12	23.91	23.70
		1	11	23.94	23.77	23.52
		1	22	23.87	23.77	23.63
		12	0	23.89	23.79	23.51
		12	6	23.80	23.77	23.57
		12	12	24.02	23.78	23.57
		24	0	23.97	23.76	23.51
10M	DFT-S 16QAM	1	1	22.67	22.92	22.91
10M	DFT-S 64QAM	1	1	21.64	21.60	21.77
10M	DFT-S 256QAM	1	1	19.62	19.67	19.49
10M	CP QPSK	1	1	20.85	20.81	20.92
10M	CP 16QAM	1	1	20.93	20.56	20.79
10M	CP 64QAM	1	1	20.15	20.21	20.19
10M	CP 256QAM	1	1	17.27	17.36	17.56

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	27.68
		1	137	27.50
		1	271	27.61
		135	0	27.52
		135	69	27.58
		135	138	27.58
		270	0	27.67
100M	DFT-S QPSK	1	1	27.70
		1	137	27.50
		1	271	27.60
		135	0	27.61
		135	69	27.62
		135	138	27.65
		270	0	27.55
100M	DFT-S 16QAM	1	1	26.66
100M	DFT-S 64QAM	1	1	25.68
100M	DFT-S 256QAM	1	1	23.57
100M	CP QPSK	1	1	24.60
100M	CP 16QAM	1	1	24.42
100M	CP 64QAM	1	1	23.96
100M	CP 256QAM	1	1	21.30

*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	27.82	27.79	27.72
		1	123	27.88	27.49	27.68
		1	243	27.82	27.70	27.71
		120	0	27.75	27.60	27.66
		120	63	27.81	27.63	27.70
		120	125	27.88	27.61	27.64
		243	0	27.66	27.47	27.69
90M	DFT-S QPSK	1	1	27.91	27.61	27.56
		1	123	27.71	27.49	27.24
		1	243	27.78	27.56	27.26
		120	0	27.79	27.51	27.30
		120	63	27.79	27.58	27.42
		120	125	27.73	27.60	27.27
		243	0	27.65	27.54	27.35
90M	DFT-S 16QAM	1	1	26.50	26.51	26.67
90M	DFT-S 64QAM	1	1	25.40	25.46	25.51
90M	DFT-S 256QAM	1	1	23.39	23.55	23.33
90M	CP QPSK	1	1	24.57	24.51	24.67
90M	CP 16QAM	1	1	24.66	24.40	24.63
90M	CP 64QAM	1	1	23.98	24.09	24.05
90M	CP 256QAM	1	1	21.16	21.34	21.27

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequence (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	27.90	27.69	27.78
		1	109	27.73	27.49	27.49
		1	215	27.72	27.66	27.55
		108	0	27.83	27.44	27.66
		108	55	27.94	27.56	27.49
		108	109	27.81	27.58	27.57
		216	0	27.79	27.58	27.62
80M	DFT-S QPSK	1	1	27.76	27.63	27.41
		1	109	27.68	27.58	27.32
		1	215	27.66	27.54	27.40
		108	0	27.75	27.48	27.37
		108	55	27.73	27.55	27.40
		108	109	27.70	27.64	27.36
		216	0	27.66	27.63	27.40
80M	DFT-S 16QAM	1	1	26.56	26.68	26.79
80M	DFT-S 64QAM	1	1	25.33	25.58	25.76
80M	DFT-S 256QAM	1	1	23.31	23.55	23.31
80M	CP QPSK	1	1	24.56	24.62	24.56
80M	CP 16QAM	1	1	24.65	24.43	24.66
80M	CP 64QAM	1	1	23.97	23.97	24.02
80M	CP 256QAM	1	1	21.09	21.12	21.20

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequence (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	27.94	27.72	27.68
		1	95	27.78	27.49	27.64
		1	187	27.68	27.67	27.54
		90	0	27.84	27.52	27.59
		90	50	27.80	27.57	27.62
		90	99	27.87	27.45	27.49
		180	0	27.63	27.62	27.71
70M	DFT-S QPSK	1	1	27.82	27.70	27.47
		1	95	27.85	27.43	27.40
		1	187	27.72	27.64	27.35
		90	0	27.70	27.63	27.28
		90	50	27.78	27.64	27.34
		90	99	27.83	27.68	27.39
		180	0	27.80	27.65	27.26
70M	DFT-S 16QAM	1	1	26.62	26.67	26.75
70M	DFT-S 64QAM	1	1	25.50	25.50	25.59
70M	DFT-S 256QAM	1	1	23.35	23.44	23.31
70M	CP QPSK	1	1	24.65	24.61	24.52
70M	CP 16QAM	1	1	24.69	24.53	24.59
70M	CP 64QAM	1	1	23.94	24.07	24.02
70M	CP 256QAM	1	1	21.13	21.20	21.35

*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	27.90	27.62	27.82
		1	81	27.76	27.56	27.57
		1	160	27.74	27.67	27.59
		81	0	27.81	27.51	27.61
		81	41	27.85	27.63	27.63
		81	81	27.97	27.56	27.66
		162	0	27.68	27.59	27.53
60M	DFT-S QPSK	1	1	27.79	27.58	27.51
		1	81	27.84	27.60	27.35
		1	160	27.82	27.70	27.26
		81	0	27.75	27.55	27.33
		81	41	27.70	27.58	27.32
		81	81	27.85	27.55	27.31
		162	0	27.81	27.61	27.52
60M	DFT-S 16QAM	1	1	26.54	26.65	26.58
60M	DFT-S 64QAM	1	1	25.45	25.55	25.74
60M	DFT-S 256QAM	1	1	23.45	23.64	23.30
60M	CP QPSK	1	1	24.63	24.48	24.64
60M	CP 16QAM	1	1	24.68	24.45	24.64
60M	CP 64QAM	1	1	23.88	24.05	23.97
60M	CP 256QAM	1	1	21.08	21.33	21.29

*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	27.88	27.68	27.71
		1	67	27.89	27.44	27.55
		1	131	27.74	27.65	27.56
		64	0	27.74	27.50	27.53
		64	35	27.79	27.54	27.56
		64	69	27.85	27.62	27.58
		128	0	27.77	27.67	27.47
50M	DFT-S QPSK	1	1	27.78	27.77	27.49
		1	67	27.70	27.55	27.36
		1	131	27.82	27.65	27.46
		64	0	27.75	27.46	27.38
		64	35	27.77	27.50	27.34
		64	69	27.78	27.61	27.21
		128	0	27.73	27.57	27.46
50M	DFT-S 16QAM	1	1	26.53	26.66	26.77
50M	DFT-S 64QAM	1	1	25.37	25.43	25.58
50M	DFT-S 256QAM	1	1	23.35	23.56	23.31
50M	CP QPSK	1	1	24.69	24.67	24.45
50M	CP 16QAM	1	1	24.74	24.44	24.75
50M	CP 64QAM	1	1	24.06	23.99	24.02
50M	CP 256QAM	1	1	21.13	21.21	21.27

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequence (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	27.83	27.63	27.63
		1	53	27.73	27.53	27.66
		1	104	27.83	27.71	27.59
		50	0	27.83	27.46	27.67
		50	28	27.88	27.52	27.67
		50	56	27.78	27.45	27.62
		100	0	27.86	27.64	27.59
40M	DFT-S QPSK	1	1	27.74	27.69	27.58
		1	53	27.73	27.59	27.29
		1	104	27.64	27.63	27.43
		50	0	27.77	27.67	27.38
		50	28	27.68	27.59	27.28
		50	56	27.85	27.68	27.29
		100	0	27.74	27.60	27.43
40M	DFT-S 16QAM	1	1	26.55	26.55	26.75
40M	DFT-S 64QAM	1	1	25.40	25.48	25.66
40M	DFT-S 256QAM	1	1	23.47	23.58	23.31
40M	CP QPSK	1	1	24.64	24.43	24.71
40M	CP 16QAM	1	1	24.79	24.52	24.53
40M	CP 64QAM	1	1	24.06	23.93	24.09
40M	CP 256QAM	1	1	21.05	21.27	21.21

*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	27.74	27.67	27.46
		1	39	27.93	27.60	27.50
		1	76	27.89	27.72	27.33
		36	0	27.96	27.66	27.46
		36	21	27.80	27.59	27.36
		36	42	27.72	27.52	27.54
		75	0	27.89	27.66	27.57
30M	DFT-S QPSK	1	1	27.40	27.51	27.63
		1	39	27.64	27.36	27.45
		1	76	27.32	27.47	27.54
		36	0	27.33	27.42	27.49
		36	21	27.21	27.51	27.46
		36	42	27.39	27.43	27.64
		75	0	27.54	27.59	27.53
30M	DFT-S 16QAM	1	1	26.60	26.57	26.66
30M	DFT-S 64QAM	1	1	25.44	25.59	25.39
30M	DFT-S 256QAM	1	1	23.78	23.65	23.17
30M	CP QPSK	1	1	24.51	24.52	24.69
30M	CP 16QAM	1	1	24.72	24.78	24.74
30M	CP 64QAM	1	1	24.26	23.98	23.89
30M	CP 256QAM	1	1	21.35	21.01	21.10

*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	27.93	27.81	27.74
		1	26	27.72	27.53	27.57
		1	49	27.80	27.53	27.62
		25	0	27.84	27.55	27.64
		25	13	27.87	27.49	27.66
		25	26	27.91	27.45	27.65
		50	0	27.71	27.60	27.63
20M	DFT-S QPSK	1	1	27.89	27.69	27.38
		1	26	27.70	27.56	27.30
		1	49	27.67	27.57	27.36
		25	0	27.62	27.42	27.36
		25	13	27.70	27.52	27.42
		25	26	27.82	27.70	27.31
		50	0	27.71	27.49	27.52
20M	DFT-S 16QAM	1	1	26.50	26.60	26.72
20M	DFT-S 64QAM	1	1	25.26	25.56	25.62
20M	DFT-S 256QAM	1	1	23.45	23.51	23.38
20M	CP QPSK	1	1	24.62	24.58	24.63
20M	CP 16QAM	1	1	24.65	24.57	24.50
20M	CP 64QAM	1	1	23.91	23.93	23.98
20M	CP 256QAM	1	1	21.11	21.17	21.26

*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	27.92	27.77	27.77
		1	19	27.87	27.55	27.64
		1	36	27.83	27.62	27.60
		18	0	27.78	27.47	27.63
		18	10	27.88	27.70	27.58
		18	20	27.80	27.58	27.64
		36	0	27.82	27.56	27.66
15M	DFT-S QPSK	1	1	27.90	27.59	27.38
		1	19	27.73	27.61	27.16
		1	36	27.73	27.56	27.46
		18	0	27.68	27.50	27.23
		18	10	27.75	27.55	27.43
		18	20	27.69	27.67	27.40
		36	0	27.68	27.49	27.31
15M	DFT-S 16QAM	1	1	26.43	26.59	26.69
15M	DFT-S 64QAM	1	1	25.47	25.54	25.61
15M	DFT-S 256QAM	1	1	23.34	23.54	23.39
15M	CP QPSK	1	1	24.60	24.55	24.49
15M	CP 16QAM	1	1	24.72	24.42	24.63
15M	CP 64QAM	1	1	23.96	24.14	24.07
15M	CP 256QAM	1	1	21.18	21.24	21.14

*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	27.84	27.71	27.73
		1	11	27.74	27.48	27.63
		1	22	27.73	27.51	27.57
		12	0	27.70	27.47	27.53
		12	6	27.95	27.52	27.61
		12	12	27.81	27.50	27.67
		24	0	27.73	27.60	27.51
10M	DFT-S QPSK	1	1	27.92	27.71	27.50
		1	11	27.74	27.57	27.32
		1	22	27.67	27.57	27.43
		12	0	27.69	27.59	27.31
		12	6	27.60	27.57	27.37
		12	12	27.82	27.58	27.37
		24	0	27.77	27.56	27.31
10M	DFT-S 16QAM	1	1	26.47	26.72	26.71
10M	DFT-S 64QAM	1	1	25.44	25.40	25.57
10M	DFT-S 256QAM	1	1	23.42	23.47	23.29
10M	CP QPSK	1	1	24.65	24.61	24.72
10M	CP 16QAM	1	1	24.73	24.36	24.59
10M	CP 64QAM	1	1	23.95	24.01	23.99
10M	CP 256QAM	1	1	21.07	21.16	21.36

*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 1)						
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	20.84	20.65	20.95
		1	137	20.90	20.61	20.50
		1	271	20.81	20.53	20.81
		135	0	20.66	20.63	20.85
		135	69	20.60	20.67	20.68
		135	138	20.85	20.68	20.64
		270	0	20.65	20.65	20.81
50M	DFT-S QPSK	1	1	20.82	20.89	20.57
		1	137	20.57	20.77	20.28
		1	271	20.69	20.65	20.64
		135	0	20.72	20.65	20.60
		135	69	20.51	20.69	20.36
		135	138	20.57	20.63	20.55
		270	0	20.64	20.75	20.43
50M	DFT-S 16QAM	1	1	20.50	20.61	20.75
50M	DFT-S 64QAM	1	1	19.84	19.56	19.35
50M	DFT-S 256QAM	1	1	17.34	17.46	17.31
50M	CP QPSK	1	1	17.65	17.79	17.83
50M	CP 16QAM	1	1	17.78	17.76	17.88
50M	CP 64QAM	1	1	17.42	16.98	17.02
50M	CP 256QAM	1	1	14.10	14.20	14.26

NR Band 77 (ANT 1)						
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	20.82	20.84	20.73
		1	123	20.90	20.79	20.80
		1	243	20.71	20.56	20.64
		120	0	20.67	20.45	20.77
		120	63	20.84	20.62	20.86
		120	125	20.86	20.59	20.74
		243	0	20.84	20.69	20.58
40M	DFT-S QPSK	1	1	20.60	20.86	20.47
		1	123	20.47	20.63	20.36
		1	243	20.52	20.83	20.65
		120	0	20.65	20.58	20.43
		120	63	20.51	20.69	20.45
		120	125	20.70	20.86	20.49
		243	0	20.52	20.67	20.32
40M	DFT-S 16QAM	1	1	20.46	20.82	20.68
40M	DFT-S 64QAM	1	1	19.60	19.58	19.42
40M	DFT-S 256QAM	1	1	17.36	17.69	17.31
40M	CP QPSK	1	1	17.58	17.80	17.80
40M	CP 16QAM	1	1	17.84	17.89	17.86
40M	CP 64QAM	1	1	17.23	17.05	17.11
40M	CP 256QAM	1	1	14.32	14.30	14.34

NR Band 77 (ANT 1)						
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	20.71	20.80	20.83
		1	109	20.77	20.81	20.66
		1	215	20.71	20.72	20.73
		108	0	20.76	20.46	20.81
		108	55	20.82	20.70	20.65
		108	109	20.69	20.53	20.84
		216	0	20.72	20.58	20.66
20M	DFT-S QPSK	1	1	20.56	20.80	20.67
		1	109	20.42	20.58	20.53
		1	215	20.64	20.78	20.61
		108	0	20.72	20.80	20.57
		108	55	20.47	20.65	20.30
		108	109	20.67	20.70	20.59
		216	0	20.52	20.77	20.51
20M	DFT-S 16QAM	1	1	20.47	20.55	20.56
20M	DFT-S 64QAM	1	1	19.72	19.71	19.47
20M	DFT-S 256QAM	1	1	17.33	17.64	17.48
20M	CP QPSK	1	1	17.76	17.67	17.92
20M	CP 16QAM	1	1	17.82	17.88	17.65
20M	CP 64QAM	1	1	17.42	17.10	17.14
20M	CP 256QAM	1	1	14.08	14.08	14.18

NR Band 77 (ANT 1)						
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	20.95	20.57	20.68
		1	95	20.73	20.53	20.67
		1	187	20.88	20.78	20.73
		90	0	20.62	20.69	20.74
		90	50	20.74	20.59	20.72
		90	99	20.87	20.82	20.78
		180	0	20.86	20.76	20.83
15M	DFT-S QPSK	1	1	20.73	20.77	20.49
		1	95	20.58	20.71	20.47
		1	187	20.49	20.74	20.49
		90	0	20.65	20.57	20.45
		90	50	20.52	20.64	20.56
		90	99	20.63	20.88	20.60
		180	0	20.60	20.60	20.54
15M	DFT-S 16QAM	1	1	20.50	20.62	20.60
15M	DFT-S 64QAM	1	1	19.72	19.67	19.57
15M	DFT-S 256QAM	1	1	17.46	17.59	17.44
15M	CP QPSK	1	1	17.70	17.74	17.80
15M	CP 16QAM	1	1	17.83	17.81	17.70
15M	CP 64QAM	1	1	17.37	17.06	17.03
15M	CP 256QAM	1	1	14.07	14.30	14.16

NR Band 77 (ANT 1)						
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	20.80	20.82	20.67
		1	81	20.82	20.73	20.61
		1	160	20.86	20.73	20.59
		81	0	20.73	20.62	20.80
		81	41	20.63	20.70	20.86
		81	81	20.74	20.78	20.74
		162	0	20.82	20.65	20.63
10M	DFT-S QPSK	1	1	20.64	20.87	20.47
		1	81	20.47	20.57	20.35
		1	160	20.49	20.59	20.38
		81	0	20.70	20.72	20.33
		81	41	20.47	20.89	20.31
		81	81	20.59	20.64	20.39
		162	0	20.57	20.64	20.38
10M	DFT-S 16QAM	1	1	20.63	20.69	20.68
10M	DFT-S 64QAM	1	1	19.69	19.61	19.47
10M	DFT-S 256QAM	1	1	17.60	17.69	17.44
10M	CP QPSK	1	1	17.63	17.75	17.78
10M	CP 16QAM	1	1	17.87	17.89	17.93
10M	CP 64QAM	1	1	17.33	17.07	17.07
10M	CP 256QAM	1	1	14.28	14.10	14.34

NR Band 77 (ANT 3)						
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	20.72	20.75	20.83
		1	137	20.83	20.76	20.55
		1	271	20.64	20.63	20.77
		135	0	20.81	20.53	20.90
		135	69	20.65	20.75	20.56
		135	138	20.86	20.77	20.70
		270	0	20.81	20.58	20.59
50M	DFT-S QPSK	1	1	20.83	20.71	20.45
		1	137	20.42	20.87	20.51
		1	271	20.51	20.85	20.63
		135	0	20.52	20.66	20.40
		135	69	20.73	20.68	20.45
		135	138	20.71	20.80	20.52
		270	0	20.51	20.83	20.45
50M	DFT-S 16QAM	1	1	20.50	20.68	20.61
50M	DFT-S 64QAM	1	1	19.74	19.60	19.39
50M	DFT-S 256QAM	1	1	17.51	17.59	17.49
50M	CP QPSK	1	1	17.76	17.81	17.92
50M	CP 16QAM	1	1	17.80	17.78	17.91
50M	CP 64QAM	1	1	17.26	16.99	17.03
50M	CP 256QAM	1	1	14.10	14.07	14.13

NR Band 77 (ANT 3)						
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	20.91	20.61	20.87
		1	123	20.90	20.52	20.77
		1	243	20.75	20.63	20.71
		120	0	20.79	20.50	20.82
		120	63	20.61	20.48	20.65
		120	125	20.89	20.72	20.78
		243	0	20.61	20.71	20.61
40M	DFT-S QPSK	1	1	20.55	20.67	20.62
		1	123	20.71	20.64	20.53
		1	243	20.56	20.61	20.44
		120	0	20.60	20.86	20.31
		120	63	20.74	20.61	20.44
		120	125	20.47	20.90	20.53
		243	0	20.44	20.72	20.32
40M	DFT-S 16QAM	1	1	20.56	20.83	20.81
40M	DFT-S 64QAM	1	1	19.62	19.65	19.39
40M	DFT-S 256QAM	1	1	17.49	17.49	17.34
40M	CP QPSK	1	1	17.56	17.81	17.70
40M	CP 16QAM	1	1	17.97	17.90	17.92
40M	CP 64QAM	1	1	17.48	17.10	17.02
40M	CP 256QAM	1	1	14.36	14.09	14.32

NR Band 77 (ANT 3)						
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	20.81	20.66	20.84
		1	109	20.84	20.57	20.80
		1	215	20.65	20.80	20.74
		108	0	20.76	20.67	20.73
		108	55	20.77	20.59	20.71
		108	109	20.62	20.66	20.80
		216	0	20.77	20.67	20.78
20M	DFT-S QPSK	1	1	20.66	20.80	20.45
		1	109	20.42	20.75	20.31
		1	215	20.74	20.58	20.54
		108	0	20.45	20.79	20.59
		108	55	20.50	20.71	20.52
		108	109	20.71	20.64	20.65
		216	0	20.61	20.72	20.55
20M	DFT-S 16QAM	1	1	20.63	20.73	20.65
20M	DFT-S 64QAM	1	1	19.65	19.46	19.64
20M	DFT-S 256QAM	1	1	17.54	17.65	17.31
20M	CP QPSK	1	1	17.69	17.77	17.62
20M	CP 16QAM	1	1	17.87	17.67	17.92
20M	CP 64QAM	1	1	17.23	17.19	17.12
20M	CP 256QAM	1	1	14.16	14.25	14.25

NR Band 77 (ANT 3)						
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	20.70	20.60	20.77
		1	95	20.86	20.69	20.59
		1	187	20.85	20.62	20.70
		90	0	20.85	20.61	20.89
		90	50	20.75	20.74	20.59
		90	99	20.89	20.64	20.72
		180	0	20.67	20.53	20.53
15M	DFT-S QPSK	1	1	20.57	20.67	20.51
		1	95	20.42	20.60	20.55
		1	187	20.56	20.86	20.39
		90	0	20.62	20.84	20.58
		90	50	20.50	20.78	20.38
		90	99	20.68	20.82	20.41
		180	0	20.50	20.74	20.46
15M	DFT-S 16QAM	1	1	20.71	20.66	20.61
15M	DFT-S 64QAM	1	1	19.79	19.63	19.50
15M	DFT-S 256QAM	1	1	17.57	17.49	17.49
15M	CP QPSK	1	1	17.83	17.68	17.78
15M	CP 16QAM	1	1	17.84	17.86	17.77
15M	CP 64QAM	1	1	17.24	17.14	16.98
15M	CP 256QAM	1	1	14.15	14.13	14.36

NR Band 77 (ANT 3)						
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	20.90	20.68	20.76
		1	81	20.87	20.57	20.66
		1	160	20.82	20.52	20.69
		81	0	20.80	20.45	20.76
		81	41	20.68	20.73	20.83
		81	81	20.72	20.74	20.72
		162	0	20.83	20.54	20.57
10M	DFT-S QPSK	1	1	20.61	20.84	20.60
		1	81	20.48	20.72	20.38
		1	160	20.70	20.69	20.45
		81	0	20.50	20.59	20.36
		81	41	20.50	20.74	20.34
		81	81	20.46	20.80	20.52
		162	0	20.72	20.88	20.49
10M	DFT-S 16QAM	1	1	20.47	20.65	20.63
10M	DFT-S 64QAM	1	1	19.70	19.45	19.52
10M	DFT-S 256QAM	1	1	17.60	17.50	17.45
10M	CP QPSK	1	1	17.72	17.68	17.64
10M	CP 16QAM	1	1	17.72	17.66	17.77
10M	CP 64QAM	1	1	17.25	17.08	16.99
10M	CP 256QAM	1	1	14.19	14.07	14.27

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	23.79	23.71	23.90
		1	137	23.88	23.70	23.54
		1	271	23.74	23.59	23.80
		135	0	23.75	23.59	23.89
		135	69	23.64	23.72	23.63
		135	138	23.87	23.74	23.68
		270	0	23.74	23.63	23.71
50M	DFT-S QPSK	1	1	23.84	23.81	23.52
		1	137	23.51	23.83	23.41
		1	271	23.61	23.76	23.65
		135	0	23.63	23.67	23.51
		135	69	23.63	23.70	23.42
		135	138	23.65	23.73	23.55
		270	0	23.59	23.80	23.45
50M	DFT-S 16QAM	1	1	23.51	23.66	23.69
50M	DFT-S 64QAM	1	1	22.80	22.59	22.38
50M	DFT-S 256QAM	1	1	20.44	20.54	20.41
50M	CP QPSK	1	1	20.72	20.81	20.89
50M	CP 16QAM	1	1	20.80	20.78	20.91
50M	CP 64QAM	1	1	20.35	20.00	20.04
50M	CP 256QAM	1	1	17.11	17.15	17.21

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	23.88	23.74	23.81
		1	123	23.91	23.67	23.80
		1	243	23.74	23.61	23.69
		120	0	23.74	23.49	23.81
		120	63	23.74	23.56	23.77
		120	125	23.89	23.67	23.77
		243	0	23.74	23.71	23.61
40M	DFT-S QPSK	1	1	23.59	23.78	23.56
		1	123	23.60	23.65	23.46
		1	243	23.55	23.73	23.56
		120	0	23.64	23.73	23.38
		120	63	23.64	23.66	23.46
		120	125	23.60	23.89	23.52
		243	0	23.49	23.71	23.33
40M	DFT-S 16QAM	1	1	23.52	23.84	23.76
40M	DFT-S 64QAM	1	1	22.62	22.63	22.42
40M	DFT-S 256QAM	1	1	20.44	20.60	20.34
40M	CP QPSK	1	1	20.58	20.82	20.76
40M	CP 16QAM	1	1	20.92	20.91	20.90
40M	CP 64QAM	1	1	20.37	20.09	20.08
40M	CP 256QAM	1	1	17.35	17.21	17.34

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	23.77	23.74	23.85
		1	109	23.82	23.70	23.74
		1	215	23.69	23.77	23.75
		108	0	23.77	23.58	23.78
		108	55	23.81	23.66	23.69
		108	109	23.67	23.61	23.83
		216	0	23.76	23.64	23.73
20M	DFT-S QPSK	1	1	23.62	23.81	23.57
		1	109	23.43	23.68	23.43
		1	215	23.70	23.69	23.59
		108	0	23.60	23.81	23.59
		108	55	23.50	23.69	23.42
		108	109	23.70	23.68	23.63
		216	0	23.58	23.76	23.54
20M	DFT-S 16QAM	1	1	23.56	23.65	23.62
20M	DFT-S 64QAM	1	1	22.70	22.60	22.57
20M	DFT-S 256QAM	1	1	20.45	20.66	20.41
20M	CP QPSK	1	1	20.74	20.73	20.78
20M	CP 16QAM	1	1	20.86	20.79	20.80
20M	CP 64QAM	1	1	20.34	20.16	20.14
20M	CP 256QAM	1	1	17.13	17.18	17.23

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	23.84	23.60	23.74
		1	95	23.81	23.62	23.64
		1	187	23.88	23.71	23.73
		90	0	23.75	23.66	23.83
		90	50	23.76	23.68	23.67
		90	99	23.89	23.74	23.76
		180	0	23.78	23.66	23.69
15M	DFT-S QPSK	1	1	23.66	23.73	23.51
		1	95	23.51	23.67	23.52
		1	187	23.54	23.81	23.45
		90	0	23.65	23.72	23.53
		90	50	23.52	23.72	23.48
		90	99	23.67	23.86	23.52
		180	0	23.56	23.68	23.51
15M	DFT-S 16QAM	1	1	23.62	23.65	23.62
15M	DFT-S 64QAM	1	1	22.77	22.66	22.55
15M	DFT-S 256QAM	1	1	20.53	20.55	20.48
15M	CP QPSK	1	1	20.78	20.72	20.80
15M	CP 16QAM	1	1	20.85	20.85	20.75
15M	CP 64QAM	1	1	20.32	20.11	20.02
15M	CP 256QAM	1	1	17.12	17.23	17.27

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	23.86	23.76	23.73
		1	81	23.86	23.66	23.65
		1	160	23.85	23.64	23.65
		81	0	23.78	23.55	23.79
		81	41	23.67	23.73	23.86
		81	81	23.74	23.77	23.74
		162	0	23.84	23.61	23.61
10M	DFT-S QPSK	1	1	23.64	23.87	23.55
		1	81	23.49	23.66	23.38
		1	160	23.61	23.65	23.43
		81	0	23.61	23.67	23.36
		81	41	23.50	23.83	23.34
		81	81	23.54	23.73	23.47
		162	0	23.66	23.77	23.45
10M	DFT-S 16QAM	1	1	23.56	23.68	23.67
10M	DFT-S 64QAM	1	1	22.71	22.54	22.51
10M	DFT-S 256QAM	1	1	20.61	20.61	20.46
10M	CP QPSK	1	1	20.69	20.73	20.72
10M	CP 16QAM	1	1	20.81	20.79	20.86
10M	CP 64QAM	1	1	20.30	20.09	20.04
10M	CP 256QAM	1	1	17.25	17.10	17.32

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	27.59	27.51	27.70
		1	137	27.68	27.50	27.34
		1	271	27.54	27.39	27.60
		135	0	27.55	27.39	27.69
		135	69	27.44	27.52	27.43
		135	138	27.67	27.54	27.48
		270	0	27.54	27.43	27.51
50M	DFT-S QPSK	1	1	27.64	27.61	27.32
		1	137	27.31	27.63	27.21
		1	271	27.41	27.56	27.45
		135	0	27.43	27.47	27.31
		135	69	27.43	27.50	27.22
		135	138	27.45	27.53	27.35
		270	0	27.39	27.60	27.25
50M	DFT-S 16QAM	1	1	27.31	27.46	27.49
50M	DFT-S 64QAM	1	1	26.60	26.39	26.18
50M	DFT-S 256QAM	1	1	24.24	24.34	24.21
50M	CP QPSK	1	1	24.52	24.61	24.69
50M	CP 16QAM	1	1	24.60	24.58	24.71
50M	CP 64QAM	1	1	24.15	23.80	23.84
50M	CP 256QAM	1	1	20.91	20.95	21.01

*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	27.68	27.54	27.61
		1	123	27.71	27.47	27.60
		1	243	27.54	27.41	27.49
		120	0	27.54	27.29	27.61
		120	63	27.54	27.36	27.57
		120	125	27.69	27.47	27.57
		243	0	27.54	27.51	27.41
40M	DFT-S QPSK	1	1	27.39	27.58	27.36
		1	123	27.40	27.45	27.26
		1	243	27.35	27.53	27.36
		120	0	27.44	27.53	27.18
		120	63	27.44	27.46	27.26
		120	125	27.40	27.69	27.32
		243	0	27.29	27.51	27.13
40M	DFT-S 16QAM	1	1	27.32	27.64	27.56
40M	DFT-S 64QAM	1	1	26.42	26.43	26.22
40M	DFT-S 256QAM	1	1	24.24	24.40	24.14
40M	CP QPSK	1	1	24.38	24.62	24.56
40M	CP 16QAM	1	1	24.72	24.71	24.70
40M	CP 64QAM	1	1	24.17	23.89	23.88
40M	CP 256QAM	1	1	21.15	21.01	21.14

*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	27.57	27.54	27.65
		1	109	27.62	27.50	27.54
		1	215	27.49	27.57	27.55
		108	0	27.57	27.38	27.58
		108	55	27.61	27.46	27.49
		108	109	27.47	27.41	27.63
		216	0	27.56	27.44	27.53
20M	DFT-S QPSK	1	1	27.42	27.61	27.37
		1	109	27.23	27.48	27.23
		1	215	27.50	27.49	27.39
		108	0	27.40	27.61	27.39
		108	55	27.30	27.49	27.22
		108	109	27.50	27.48	27.43
		216	0	27.38	27.56	27.34
20M	DFT-S 16QAM	1	1	27.36	27.45	27.42
20M	DFT-S 64QAM	1	1	26.50	26.40	26.37
20M	DFT-S 256QAM	1	1	24.25	24.46	24.21
20M	CP QPSK	1	1	24.54	24.53	24.58
20M	CP 16QAM	1	1	24.66	24.59	24.60
20M	CP 64QAM	1	1	24.14	23.96	23.94
20M	CP 256QAM	1	1	20.93	20.98	21.03

*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	27.64	27.40	27.54
		1	95	27.61	27.42	27.44
		1	187	27.68	27.51	27.53
		90	0	27.55	27.46	27.63
		90	50	27.56	27.48	27.47
		90	99	27.69	27.54	27.56
		180	0	27.58	27.46	27.49
15M	DFT-S QPSK	1	1	27.46	27.53	27.31
		1	95	27.31	27.47	27.32
		1	187	27.34	27.61	27.25
		90	0	27.45	27.52	27.33
		90	50	27.32	27.52	27.28
		90	99	27.47	27.66	27.32
		180	0	27.36	27.48	27.31
15M	DFT-S 16QAM	1	1	27.42	27.45	27.42
15M	DFT-S 64QAM	1	1	26.57	26.46	26.35
15M	DFT-S 256QAM	1	1	24.33	24.35	24.28
15M	CP QPSK	1	1	24.58	24.52	24.60
15M	CP 16QAM	1	1	24.65	24.65	24.55
15M	CP 64QAM	1	1	24.12	23.91	23.82
15M	CP 256QAM	1	1	20.92	21.03	21.07

*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	27.66	27.56	27.53
		1	81	27.66	27.46	27.45
		1	160	27.65	27.44	27.45
		81	0	27.58	27.35	27.59
		81	41	27.47	27.53	27.66
		81	81	27.54	27.57	27.54
		162	0	27.64	27.41	27.41
10M	DFT-S QPSK	1	1	27.44	27.67	27.35
		1	81	27.29	27.46	27.18
		1	160	27.41	27.45	27.23
		81	0	27.41	27.47	27.16
		81	41	27.30	27.63	27.14
		81	81	27.34	27.53	27.27
		162	0	27.46	27.57	27.25
10M	DFT-S 16QAM	1	1	27.36	27.48	27.47
10M	DFT-S 64QAM	1	1	26.51	26.34	26.31
10M	DFT-S 256QAM	1	1	24.41	24.41	24.26
10M	CP QPSK	1	1	24.49	24.53	24.52
10M	CP 16QAM	1	1	24.61	24.59	24.66
10M	CP 64QAM	1	1	24.10	23.89	23.84
10M	CP 256QAM	1	1	21.05	20.90	21.12

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

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Conducted Output Power (dBm)

NR Band 77 (ANT 1)						
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	21.18	20.92	20.92
		1	137	20.97	20.89	21.02
		1	271	21.01	20.92	20.84
		135	0	21.07	20.74	20.93
		135	69	21.09	20.88	20.82
		135	138	21.28	20.82	20.91
		270	0	20.96	20.91	20.83
100M	DFT-S QPSK	1	1	20.99	20.86	20.76
		1	137	21.02	20.76	20.57
		1	271	20.88	20.79	20.48
		135	0	20.90	20.89	20.64
		135	69	20.98	20.81	20.74
		135	138	21.09	20.94	20.62
		270	0	20.92	20.89	20.66
100M	DFT-S 16QAM	1	1	19.86	19.83	20.05
100M	DFT-S 64QAM	1	1	18.62	18.79	18.92
100M	DFT-S 256QAM	1	1	16.61	16.94	16.75
100M	CP QPSK	1	1	17.90	17.79	17.78
100M	CP 16QAM	1	1	17.81	17.61	18.04
100M	CP 64QAM	1	1	17.20	17.16	17.40
100M	CP 256QAM	1	1	14.51	14.65	14.64

NR Band 77 (ANT 1)						
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	21.11	20.95	21.13
		1	123	21.00	20.67	20.78
		1	243	20.97	20.83	20.84
		120	0	21.00	20.89	20.92
		120	63	21.06	20.87	21.02
		120	125	21.10	20.91	20.93
		243	0	21.15	20.83	20.98
90M	DFT-S QPSK	1	1	21.01	20.98	20.88
		1	123	21.04	20.80	20.45
		1	243	20.96	20.80	20.74
		120	0	20.91	20.69	20.71
		120	63	20.98	20.98	20.62
		120	125	21.16	21.04	20.62
		243	0	21.19	20.80	20.70
90M	DFT-S 16QAM	1	1	19.83	20.06	19.90
90M	DFT-S 64QAM	1	1	18.66	18.94	18.79
90M	DFT-S 256QAM	1	1	16.75	16.84	16.65
90M	CP QPSK	1	1	17.90	17.99	17.72
90M	CP 16QAM	1	1	18.03	17.63	18.05
90M	CP 64QAM	1	1	17.27	17.14	17.32
90M	CP 256QAM	1	1	14.51	14.49	14.48

NR Band 77 (ANT 1)						
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	21.11	20.91	21.13
		1	109	21.10	20.81	20.85
		1	215	21.08	20.76	20.73
		108	0	20.97	20.92	20.79
		108	55	21.03	20.97	20.80
		108	109	21.02	20.78	20.98
		216	0	20.92	20.83	20.92
80M	DFT-S QPSK	1	1	21.11	20.97	20.62
		1	109	21.01	20.90	20.64
		1	215	21.11	20.79	20.61
		108	0	20.89	20.82	20.54
		108	55	20.89	20.73	20.63
		108	109	21.11	20.75	20.59
		216	0	20.99	20.78	20.56
80M	DFT-S 16QAM	1	1	19.68	19.84	19.98
80M	DFT-S 64QAM	1	1	18.55	18.78	18.84
80M	DFT-S 256QAM	1	1	16.66	16.76	16.52
80M	CP QPSK	1	1	17.93	17.96	17.87
80M	CP 16QAM	1	1	17.98	17.81	17.94
80M	CP 64QAM	1	1	17.21	17.30	17.31
80M	CP 256QAM	1	1	14.37	14.62	14.68

NR Band 77 (ANT 1)						
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	21.12	21.00	21.17
		1	95	20.98	20.87	21.00
		1	187	21.13	21.01	20.92
		90	0	21.25	20.95	20.79
		90	50	20.98	20.84	21.03
		90	99	21.09	20.77	20.83
		180	0	21.19	20.90	20.81
70M	DFT-S QPSK	1	1	21.14	21.10	20.75
		1	95	21.14	20.89	20.50
		1	187	20.90	20.83	20.59
		90	0	21.12	20.88	20.67
		90	50	20.95	20.97	20.48
		90	99	20.96	20.83	20.55
		180	0	20.99	20.82	20.70
70M	DFT-S 16QAM	1	1	19.88	19.89	19.89
70M	DFT-S 64QAM	1	1	18.65	18.91	18.95
70M	DFT-S 256QAM	1	1	16.75	16.90	16.54
70M	CP QPSK	1	1	17.77	17.99	17.88
70M	CP 16QAM	1	1	17.94	17.77	17.86
70M	CP 64QAM	1	1	17.39	17.37	17.22
70M	CP 256QAM	1	1	14.43	14.40	14.68

NR Band 77 (ANT 1)						
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	21.10	21.00	21.02
		1	81	21.13	20.67	20.91
		1	160	20.95	21.03	21.02
		81	0	21.05	20.82	20.94
		81	41	21.02	20.78	20.87
		81	81	21.13	20.83	20.92
		162	0	21.19	21.02	20.78
60M	DFT-S QPSK	1	1	21.01	21.02	20.73
		1	81	20.98	20.99	20.67
		1	160	20.97	21.00	20.77
		81	0	20.84	20.90	20.62
		81	41	21.12	20.71	20.48
		81	81	21.03	20.95	20.44
		162	0	21.11	20.87	20.79
60M	DFT-S 16QAM	1	1	19.82	20.06	20.05
60M	DFT-S 64QAM	1	1	18.65	18.68	18.88
60M	DFT-S 256QAM	1	1	16.53	16.74	16.59
60M	CP QPSK	1	1	17.84	17.89	17.96
60M	CP 16QAM	1	1	17.82	17.60	17.84
60M	CP 64QAM	1	1	17.40	17.30	17.22
60M	CP 256QAM	1	1	14.30	14.57	14.40

NR Band 77 (ANT 1)						
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	21.07	21.00	21.02
		1	67	21.05	20.67	20.78
		1	131	21.08	20.89	20.80
		64	0	21.03	20.78	20.93
		64	35	21.22	20.91	21.04
		64	69	21.18	20.95	20.81
		128	0	21.04	20.83	20.96
50M	DFT-S QPSK	1	1	21.14	21.05	20.79
		1	67	20.94	20.85	20.71
		1	131	20.91	20.97	20.60
		64	0	21.08	20.88	20.72
		64	35	21.05	20.93	20.59
		64	69	21.07	20.95	20.71
		128	0	20.98	20.76	20.67
50M	DFT-S 16QAM	1	1	19.69	19.86	19.97
50M	DFT-S 64QAM	1	1	18.70	18.92	18.78
50M	DFT-S 256QAM	1	1	16.81	16.69	16.60
50M	CP QPSK	1	1	17.91	17.94	18.00
50M	CP 16QAM	1	1	18.10	17.90	17.87
50M	CP 64QAM	1	1	17.27	17.26	17.16
50M	CP 256QAM	1	1	14.43	14.62	14.60

NR Band 77 (ANT 1)						
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	21.15	20.86	21.02
		1	53	21.14	20.96	21.00
		1	104	21.01	20.95	20.73
		50	0	21.05	20.98	20.79
		50	28	21.03	21.03	20.81
		50	56	21.02	20.86	20.88
		100	0	20.92	20.99	20.77
40M	DFT-S QPSK	1	1	21.03	20.92	20.64
		1	53	21.10	20.87	20.60
		1	104	20.97	20.80	20.64
		50	0	20.85	20.69	20.72
		50	28	20.89	20.94	20.52
		50	56	21.01	21.03	20.66
		100	0	21.02	20.95	20.82
40M	DFT-S 16QAM	1	1	19.74	19.91	19.85
40M	DFT-S 64QAM	1	1	18.84	18.82	19.05
40M	DFT-S 256QAM	1	1	16.60	16.88	16.47
40M	CP QPSK	1	1	17.93	17.94	17.72
40M	CP 16QAM	1	1	18.05	17.67	17.89
40M	CP 64QAM	1	1	17.36	17.25	17.23
40M	CP 256QAM	1	1	14.37	14.68	14.59

NR Band 77 (ANT 1)						
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	20.78	20.73	20.64
		1	39	21.06	20.60	20.63
		1	76	20.92	20.94	20.58
		36	0	20.96	20.64	20.68
		36	21	20.93	20.75	20.50
		36	42	20.87	20.57	20.84
		75	0	21.00	20.89	20.73
30M	DFT-S QPSK	1	1	20.60	20.59	20.84
		1	39	20.69	20.71	20.44
		1	76	20.68	20.85	20.46
		36	0	20.70	20.39	20.51
		36	21	20.43	20.87	20.52
		36	42	20.67	20.60	20.87
		75	0	20.76	20.72	20.90
30M	DFT-S 16QAM	1	1	19.78	20.03	19.68
30M	DFT-S 64QAM	1	1	18.74	18.72	18.82
30M	DFT-S 256QAM	1	1	16.90	16.63	16.36
30M	CP QPSK	1	1	17.57	17.69	17.92
30M	CP 16QAM	1	1	17.95	17.83	18.03
30M	CP 64QAM	1	1	17.40	17.09	16.98
30M	CP 256QAM	1	1	14.58	14.09	14.30

NR Band 77 (ANT 1)						
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	21.07	20.95	20.93
		1	26	21.11	20.94	20.82
		1	49	21.11	20.78	20.97
		25	0	21.25	20.72	20.75
		25	13	21.02	20.80	21.04
		25	26	21.06	20.92	20.85
		50	0	21.08	20.86	20.72
20M	DFT-S QPSK	1	1	21.07	20.94	20.76
		1	26	21.07	20.97	20.60
		1	49	20.88	20.98	20.73
		25	0	20.91	20.89	20.76
		25	13	20.96	20.96	20.64
		25	26	21.10	20.82	20.63
		50	0	21.03	20.82	20.74
20M	DFT-S 16QAM	1	1	19.72	19.80	20.06
20M	DFT-S 64QAM	1	1	18.84	18.72	18.88
20M	DFT-S 256QAM	1	1	16.73	16.77	16.47
20M	CP QPSK	1	1	17.90	17.94	17.99
20M	CP 16QAM	1	1	18.00	17.87	17.88
20M	CP 64QAM	1	1	17.13	17.20	17.39
20M	CP 256QAM	1	1	14.30	14.47	14.62

NR Band 77 (ANT 1)						
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	21.12	20.93	21.05
		1	19	20.92	20.71	20.97
		1	36	21.18	20.76	20.98
		18	0	21.18	20.93	20.83
		18	10	21.14	20.92	20.77
		18	20	21.08	20.76	20.87
		36	0	20.94	20.88	20.79
15M	DFT-S QPSK	1	1	20.98	21.06	20.78
		1	19	20.90	20.80	20.65
		1	36	20.86	21.00	20.72
		18	0	21.04	20.90	20.60
		18	10	21.09	20.95	20.55
		18	20	21.06	20.95	20.67
		36	0	21.03	20.87	20.71
15M	DFT-S 16QAM	1	1	19.96	19.88	20.01
15M	DFT-S 64QAM	1	1	18.76	18.79	19.05
15M	DFT-S 256QAM	1	1	16.82	16.75	16.71
15M	CP QPSK	1	1	18.03	17.94	17.72
15M	CP 16QAM	1	1	17.85	17.65	17.87
15M	CP 64QAM	1	1	17.21	17.37	17.25
15M	CP 256QAM	1	1	14.28	14.48	14.57

NR Band 77 (ANT 1)						
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	21.19	21.06	20.89
		1	11	21.05	20.83	20.93
		1	22	21.11	20.99	20.88
		12	0	21.18	20.88	20.83
		12	6	21.16	20.84	20.77
		12	12	21.07	20.78	20.84
		24	0	20.95	21.01	20.72
10M	DFT-S QPSK	1	1	21.02	21.08	20.76
		1	11	20.96	20.77	20.65
		1	22	20.92	20.91	20.69
		12	0	20.96	20.88	20.62
		12	6	21.12	20.84	20.76
		12	12	20.97	21.04	20.61
		24	0	20.90	20.78	20.74
10M	DFT-S 16QAM	1	1	19.81	19.86	20.07
10M	DFT-S 64QAM	1	1	18.54	18.82	18.86
10M	DFT-S 256QAM	1	1	16.57	16.74	16.74
10M	CP QPSK	1	1	18.01	17.97	17.95
10M	CP 16QAM	1	1	17.95	17.60	17.98
10M	CP 64QAM	1	1	17.34	17.31	17.36
10M	CP 256QAM	1	1	14.51	14.44	14.68

NR Band 77 (ANT 3)						
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	21.07	21.03	21.09
		1	137	21.12	20.87	20.98
		1	271	21.16	21.01	20.79
		135	0	21.09	20.91	20.89
		135	69	21.03	21.02	21.01
		135	138	21.06	20.80	21.02
		270	0	20.91	20.82	20.94
100M	DFT-S QPSK	1	1	21.04	21.13	20.72
		1	137	21.16	20.89	20.73
		1	271	20.97	20.78	20.53
		135	0	20.96	20.86	20.73
		135	69	21.11	20.78	20.51
		135	138	21.18	20.91	20.48
		270	0	20.98	21.02	20.56
100M	DFT-S 16QAM	1	1	19.97	19.94	19.98
100M	DFT-S 64QAM	1	1	18.75	18.70	18.99
100M	DFT-S 256QAM	1	1	16.72	16.95	16.50
100M	CP QPSK	1	1	17.76	17.71	17.99
100M	CP 16QAM	1	1	17.85	17.69	17.91
100M	CP 64QAM	1	1	17.16	17.28	17.19
100M	CP 256QAM	1	1	14.47	14.59	14.58

NR Band 77 (ANT 3)						
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	21.03	21.00	20.88
		1	123	21.22	20.73	21.01
		1	243	20.92	21.05	20.97
		120	0	21.05	20.88	20.89
		120	63	20.99	20.82	20.79
		120	125	20.98	20.87	20.90
		243	0	20.98	20.76	20.90
90M	DFT-S QPSK	1	1	21.00	20.98	20.87
		1	123	21.11	20.76	20.48
		1	243	20.95	20.80	20.56
		120	0	21.02	20.73	20.60
		120	63	21.05	20.94	20.61
		120	125	21.09	20.75	20.64
		243	0	20.97	20.87	20.72
90M	DFT-S 16QAM	1	1	19.71	20.04	19.88
90M	DFT-S 64QAM	1	1	18.69	18.85	19.05
90M	DFT-S 256QAM	1	1	16.54	16.89	16.59
90M	CP QPSK	1	1	17.97	17.74	17.97
90M	CP 16QAM	1	1	17.94	17.78	17.94
90M	CP 64QAM	1	1	17.15	17.25	17.25
90M	CP 256QAM	1	1	14.31	14.56	14.60

NR Band 77 (ANT 3)						
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	21.09	20.86	20.91
		1	109	21.20	20.80	20.95
		1	215	20.92	20.90	20.85
		108	0	21.09	20.85	20.87
		108	55	21.14	20.90	20.96
		108	109	21.01	20.97	20.92
		216	0	21.09	20.79	20.96
80M	DFT-S QPSK	1	1	20.98	20.83	20.89
		1	109	21.04	20.80	20.45
		1	215	21.06	20.85	20.57
		108	0	21.01	20.98	20.50
		108	55	21.07	20.89	20.58
		108	109	20.98	20.81	20.65
		216	0	21.11	21.00	20.71
80M	DFT-S 16QAM	1	1	19.69	20.08	20.13
80M	DFT-S 64QAM	1	1	18.70	18.69	19.02
80M	DFT-S 256QAM	1	1	16.79	16.94	16.75
80M	CP QPSK	1	1	17.89	17.72	17.88
80M	CP 16QAM	1	1	17.82	17.80	17.93
80M	CP 64QAM	1	1	17.20	17.43	17.39
80M	CP 256QAM	1	1	14.53	14.41	14.63

NR Band 77 (ANT 3)						
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	21.15	21.08	21.02
		1	95	21.19	20.93	20.88
		1	187	21.00	20.90	20.82
		90	0	21.00	20.68	20.88
		90	50	21.20	21.00	20.89
		90	99	21.26	20.88	20.83
		180	0	21.05	20.87	20.94
70M	DFT-S QPSK	1	1	21.19	20.95	20.81
		1	95	21.09	20.81	20.72
		1	187	21.08	20.94	20.59
		90	0	21.13	20.86	20.74
		90	50	20.94	20.93	20.71
		90	99	20.91	20.75	20.60
		180	0	20.99	21.02	20.64
70M	DFT-S 16QAM	1	1	19.90	19.79	19.86
70M	DFT-S 64QAM	1	1	18.73	18.85	18.97
70M	DFT-S 256QAM	1	1	16.53	16.84	16.60
70M	CP QPSK	1	1	17.78	17.84	17.82
70M	CP 16QAM	1	1	17.87	17.62	17.78
70M	CP 64QAM	1	1	17.18	17.22	17.25
70M	CP 256QAM	1	1	14.43	14.57	14.60

NR Band 77 (ANT 3)						
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	21.10	20.93	20.95
		1	81	21.16	20.74	20.86
		1	160	21.06	21.03	20.90
		81	0	21.01	20.82	20.77
		81	41	21.09	20.79	20.87
		81	81	21.10	20.87	20.90
		162	0	21.09	20.87	20.72
60M	DFT-S QPSK	1	1	21.26	21.00	20.81
		1	81	21.17	20.84	20.62
		1	160	20.99	20.77	20.75
		81	0	21.14	20.71	20.58
		81	41	20.94	20.80	20.52
		81	81	20.95	20.76	20.57
		162	0	21.02	20.95	20.60
60M	DFT-S 16QAM	1	1	19.71	20.09	20.02
60M	DFT-S 64QAM	1	1	18.58	18.91	19.03
60M	DFT-S 256QAM	1	1	16.79	16.74	16.65
60M	CP QPSK	1	1	17.99	17.72	17.92
60M	CP 16QAM	1	1	17.93	17.60	17.82
60M	CP 64QAM	1	1	17.30	17.32	17.23
60M	CP 256QAM	1	1	14.42	14.43	14.70

NR Band 77 (ANT 3)						
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	21.03	20.88	21.00
		1	67	21.13	20.85	20.85
		1	131	21.18	20.91	20.77
		64	0	21.10	20.86	20.98
		64	35	21.03	20.91	20.88
		64	69	21.06	20.86	21.02
		128	0	20.89	20.84	20.83
50M	DFT-S QPSK	1	1	21.10	21.12	20.72
		1	67	20.94	20.94	20.71
		1	131	21.03	20.83	20.49
		64	0	21.05	20.95	20.53
		64	35	21.10	20.94	20.64
		64	69	20.97	21.04	20.66
		128	0	21.18	20.94	20.66
50M	DFT-S 16QAM	1	1	19.94	19.98	20.04
50M	DFT-S 64QAM	1	1	18.67	18.79	18.91
50M	DFT-S 256QAM	1	1	16.52	16.91	16.67
50M	CP QPSK	1	1	17.82	17.86	17.87
50M	CP 16QAM	1	1	18.08	17.76	17.82
50M	CP 64QAM	1	1	17.22	17.16	17.35
50M	CP 256QAM	1	1	14.42	14.46	14.42

NR Band 77 (ANT 3)						
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	21.18	20.98	21.01
		1	53	21.04	20.75	20.98
		1	104	20.96	21.02	20.91
		50	0	21.02	20.87	20.98
		50	28	21.23	20.91	21.01
		50	56	21.03	20.68	20.87
		100	0	20.90	20.77	20.96
40M	DFT-S QPSK	1	1	21.12	21.06	20.75
		1	53	21.01	20.85	20.67
		1	104	21.14	20.90	20.74
		50	0	20.84	20.91	20.59
		50	28	20.91	20.73	20.55
		50	56	21.03	20.86	20.62
		100	0	21.16	21.01	20.57
40M	DFT-S 16QAM	1	1	19.95	20.09	19.91
40M	DFT-S 64QAM	1	1	18.81	18.74	18.82
40M	DFT-S 256QAM	1	1	16.58	16.73	16.66
40M	CP QPSK	1	1	17.80	18.01	17.82
40M	CP 16QAM	1	1	17.91	17.88	17.90
40M	CP 64QAM	1	1	17.23	17.44	17.33
40M	CP 256QAM	1	1	14.45	14.61	14.57

NR Band 77 (ANT 3)						
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	20.90	20.72	20.60
		1	39	21.18	20.73	20.51
		1	76	21.04	20.95	20.48
		36	0	21.04	20.87	20.74
		36	21	20.98	20.81	20.41
		36	42	20.89	20.64	20.84
		75	0	21.12	20.94	20.75
30M	DFT-S QPSK	1	1	20.69	20.61	20.80
		1	39	20.72	20.65	20.44
		1	76	20.43	20.78	20.52
		36	0	20.67	20.65	20.65
		36	21	20.53	20.77	20.65
		36	42	20.68	20.60	20.94
		75	0	20.76	20.95	20.75
30M	DFT-S 16QAM	1	1	20.03	19.84	19.95
30M	DFT-S 64QAM	1	1	18.67	18.73	18.74
30M	DFT-S 256QAM	1	1	16.71	16.64	16.38
30M	CP QPSK	1	1	17.58	17.96	17.99
30M	CP 16QAM	1	1	17.89	18.00	17.98
30M	CP 64QAM	1	1	17.53	17.01	17.01
30M	CP 256QAM	1	1	14.57	14.11	14.28

NR Band 77 (ANT 3)						
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	21.10	20.98	20.88
		1	26	21.02	20.81	21.00
		1	49	21.10	20.77	20.85
		25	0	20.95	20.74	20.77
		25	13	21.19	21.02	21.04
		25	26	21.02	20.93	20.77
		50	0	20.96	21.03	20.79
20M	DFT-S QPSK	1	1	21.04	20.84	20.69
		1	26	21.06	20.80	20.61
		1	49	20.87	20.94	20.56
		25	0	21.13	20.88	20.51
		25	13	21.00	20.92	20.61
		25	26	20.98	20.89	20.65
		50	0	20.93	20.76	20.77
20M	DFT-S 16QAM	1	1	19.81	19.82	19.97
20M	DFT-S 64QAM	1	1	18.65	18.94	18.77
20M	DFT-S 256QAM	1	1	16.72	16.70	16.48
20M	CP QPSK	1	1	17.75	17.81	17.88
20M	CP 16QAM	1	1	17.83	17.74	17.79
20M	CP 64QAM	1	1	17.20	17.15	17.42
20M	CP 256QAM	1	1	14.27	14.50	14.44

NR Band 77 (ANT 3)						
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	21.09	21.08	21.09
		1	19	21.01	20.97	21.06
		1	36	21.00	20.90	20.77
		18	0	21.06	20.68	20.76
		18	10	21.21	20.97	20.95
		18	20	21.00	20.71	20.97
		36	0	21.03	20.84	20.81
15M	DFT-S QPSK	1	1	21.07	20.90	20.60
		1	19	21.11	20.87	20.58
		1	36	21.07	20.83	20.78
		18	0	21.12	20.95	20.65
		18	10	21.00	20.73	20.77
		18	20	21.19	20.85	20.67
		36	0	21.00	20.83	20.60
15M	DFT-S 16QAM	1	1	19.74	20.01	20.08
15M	DFT-S 64QAM	1	1	18.80	18.76	18.86
15M	DFT-S 256QAM	1	1	16.73	16.96	16.49
15M	CP QPSK	1	1	17.98	17.97	17.81
15M	CP 16QAM	1	1	17.98	17.77	17.96
15M	CP 64QAM	1	1	17.30	17.32	17.42
15M	CP 256QAM	1	1	14.44	14.52	14.67

NR Band 77 (ANT 3)						
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	21.17	21.05	21.00
		1	11	21.14	20.84	20.88
		1	22	21.06	20.75	20.85
		12	0	21.03	20.95	20.89
		12	6	21.16	20.93	20.86
		12	12	21.00	20.74	20.96
		24	0	20.91	20.84	20.77
10M	DFT-S QPSK	1	1	21.22	20.87	20.87
		1	11	21.11	20.87	20.49
		1	22	21.05	20.91	20.59
		12	0	20.85	20.81	20.67
		12	6	21.10	20.85	20.63
		12	12	21.11	20.78	20.64
		24	0	20.91	20.98	20.80
10M	DFT-S 16QAM	1	1	19.69	19.97	20.01
10M	DFT-S 64QAM	1	1	18.69	18.71	19.01
10M	DFT-S 256QAM	1	1	16.74	16.81	16.61
10M	CP QPSK	1	1	17.92	17.78	17.88
10M	CP 16QAM	1	1	17.90	17.73	17.76
10M	CP 64QAM	1	1	17.20	17.43	17.44
10M	CP 256QAM	1	1	14.28	14.43	14.47

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	24.14	23.99	24.02
		1	137	24.06	23.89	24.01
		1	271	24.10	23.98	23.83
		135	0	24.09	23.84	23.92
		135	69	24.07	23.96	23.93
		135	138	24.18	23.82	23.98
		270	0	23.95	23.88	23.90
100M	DFT-S QPSK	1	1	24.03	24.01	23.75
		1	137	24.10	23.84	23.66
		1	271	23.94	23.80	23.52
		135	0	23.94	23.89	23.70
		135	69	24.06	23.81	23.64
		135	138	24.15	23.94	23.56
		270	0	23.96	23.97	23.62
100M	DFT-S 16QAM	1	1	22.93	22.90	23.03
100M	DFT-S 64QAM	1	1	21.70	21.76	21.97
100M	DFT-S 256QAM	1	1	19.68	19.96	19.64
100M	CP QPSK	1	1	20.84	20.76	20.90
100M	CP 16QAM	1	1	20.84	20.66	20.99
100M	CP 64QAM	1	1	20.19	20.23	20.31
100M	CP 256QAM	1	1	17.50	17.63	17.62

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	24.08	23.99	24.02
		1	123	24.12	23.71	23.91
		1	243	23.96	23.95	23.92
		120	0	24.04	23.90	23.92
		120	63	24.04	23.86	23.92
		120	125	24.05	23.90	23.93
		243	0	24.08	23.81	23.95
90M	DFT-S QPSK	1	1	24.02	23.99	23.89
		1	123	24.09	23.79	23.48
		1	243	23.97	23.81	23.66
		120	0	23.98	23.72	23.67
		120	63	24.03	23.97	23.63
		120	125	24.14	23.91	23.64
		243	0	24.09	23.85	23.72
90M	DFT-S 16QAM	1	1	22.78	23.06	22.90
90M	DFT-S 64QAM	1	1	21.69	21.91	21.93
90M	DFT-S 256QAM	1	1	19.66	19.88	19.63
90M	CP QPSK	1	1	20.95	20.88	20.86
90M	CP 16QAM	1	1	21.00	20.72	21.01
90M	CP 64QAM	1	1	20.22	20.21	20.30
90M	CP 256QAM	1	1	17.42	17.54	17.55

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	24.11	23.90	24.03
		1	109	24.16	23.82	23.91
		1	215	24.01	23.84	23.80
		108	0	24.04	23.90	23.84
		108	55	24.10	23.95	23.89
		108	109	24.03	23.89	23.96
		216	0	24.02	23.82	23.95
80M	DFT-S QPSK	1	1	24.06	23.91	23.77
		1	109	24.04	23.86	23.56
		1	215	24.10	23.83	23.60
		108	0	23.96	23.91	23.53
		108	55	23.99	23.82	23.62
		108	109	24.06	23.79	23.63
		216	0	24.06	23.90	23.65
80M	DFT-S 16QAM	1	1	22.70	22.97	23.07
80M	DFT-S 64QAM	1	1	21.64	21.75	21.94
80M	DFT-S 256QAM	1	1	19.74	19.86	19.65
80M	CP QPSK	1	1	20.92	20.85	20.89
80M	CP 16QAM	1	1	20.91	20.82	20.95
80M	CP 64QAM	1	1	20.22	20.38	20.36
80M	CP 256QAM	1	1	17.46	17.53	17.67

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	24.15	24.05	24.11
		1	95	24.10	23.91	23.95
		1	187	24.08	23.97	23.88
		90	0	24.14	23.83	23.85
		90	50	24.10	23.93	23.97
		90	99	24.19	23.84	23.84
		180	0	24.13	23.90	23.89
70M	DFT-S QPSK	1	1	24.18	24.04	23.79
		1	95	24.13	23.86	23.62
		1	187	24.00	23.90	23.60
		90	0	24.14	23.88	23.72
		90	50	23.96	23.96	23.61
		90	99	23.95	23.80	23.59
		180	0	24.00	23.93	23.68
70M	DFT-S 16QAM	1	1	22.90	22.85	22.89
70M	DFT-S 64QAM	1	1	21.70	21.89	21.97
70M	DFT-S 256QAM	1	1	19.65	19.88	19.58
70M	CP QPSK	1	1	20.79	20.93	20.86
70M	CP 16QAM	1	1	20.92	20.71	20.83
70M	CP 64QAM	1	1	20.30	20.31	20.25
70M	CP 256QAM	1	1	17.44	17.50	17.65

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	24.11	23.98	24.00
		1	81	24.16	23.72	23.90
		1	160	24.02	24.04	23.97
		81	0	24.04	23.83	23.87
		81	41	24.07	23.80	23.88
		81	81	24.13	23.86	23.92
		162	0	24.15	23.96	23.76
60M	DFT-S QPSK	1	1	24.15	24.02	23.78
		1	81	24.09	23.93	23.66
		1	160	23.99	23.90	23.77
		81	0	24.00	23.82	23.61
		81	41	24.04	23.77	23.51
		81	81	24.00	23.87	23.52
		162	0	24.08	23.92	23.71
60M	DFT-S 16QAM	1	1	22.78	23.09	23.05
60M	DFT-S 64QAM	1	1	21.63	21.81	21.97
60M	DFT-S 256QAM	1	1	19.67	19.75	19.63
60M	CP QPSK	1	1	20.93	20.82	20.95
60M	CP 16QAM	1	1	20.89	20.61	20.84
60M	CP 64QAM	1	1	20.36	20.32	20.24
60M	CP 256QAM	1	1	17.37	17.51	17.56

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	24.06	23.95	24.02
		1	67	24.10	23.77	23.83
		1	131	24.14	23.91	23.80
		64	0	24.08	23.83	23.97
		64	35	24.14	23.92	23.97
		64	69	24.13	23.92	23.93
		128	0	23.98	23.85	23.91
50M	DFT-S QPSK	1	1	24.13	24.10	23.77
		1	67	23.95	23.91	23.72
		1	131	23.98	23.91	23.56
		64	0	24.08	23.93	23.64
		64	35	24.09	23.95	23.63
		64	69	24.03	24.01	23.70
		128	0	24.09	23.86	23.68
50M	DFT-S 16QAM	1	1	22.83	22.93	23.02
50M	DFT-S 64QAM	1	1	21.70	21.87	21.86
50M	DFT-S 256QAM	1	1	19.68	19.81	19.65
50M	CP QPSK	1	1	20.88	20.91	20.95
50M	CP 16QAM	1	1	21.10	20.84	20.86
50M	CP 64QAM	1	1	20.26	20.22	20.27
50M	CP 256QAM	1	1	17.44	17.55	17.52

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	24.18	23.93	24.03
		1	53	24.10	23.87	24.00
		1	104	24.00	24.00	23.83
		50	0	24.05	23.94	23.90
		50	28	24.14	23.98	23.92
		50	56	24.04	23.78	23.89
		100	0	23.92	23.89	23.88
40M	DFT-S QPSK	1	1	24.09	24.00	23.71
		1	53	24.07	23.87	23.65
		1	104	24.07	23.86	23.70
		50	0	23.86	23.81	23.67
		50	28	23.91	23.85	23.55
		50	56	24.03	23.96	23.65
		100	0	24.10	23.99	23.71
40M	DFT-S 16QAM	1	1	22.86	23.01	22.89
40M	DFT-S 64QAM	1	1	21.84	21.79	21.95
40M	DFT-S 256QAM	1	1	19.60	19.82	19.58
40M	CP QPSK	1	1	20.88	20.99	20.78
40M	CP 16QAM	1	1	20.99	20.79	20.91
40M	CP 64QAM	1	1	20.31	20.36	20.29
40M	CP 256QAM	1	1	17.42	17.66	17.59

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	23.85	23.74	23.63
		1	39	24.13	23.68	23.58
		1	76	23.99	23.96	23.54
		36	0	24.01	23.77	23.72
		36	21	23.97	23.79	23.47
		36	42	23.89	23.62	23.85
		75	0	24.07	23.93	23.75
30M	DFT-S QPSK	1	1	23.66	23.61	23.83
		1	39	23.72	23.69	23.45
		1	76	23.57	23.83	23.50
		36	0	23.70	23.53	23.59
		36	21	23.49	23.83	23.60
		36	42	23.69	23.61	23.92
		75	0	23.77	23.85	23.84
30M	DFT-S 16QAM	1	1	22.92	22.95	22.83
30M	DFT-S 64QAM	1	1	21.72	21.74	21.79
30M	DFT-S 256QAM	1	1	19.82	19.65	19.38
30M	CP QPSK	1	1	20.59	20.84	20.97
30M	CP 16QAM	1	1	20.93	20.93	21.02
30M	CP 64QAM	1	1	20.48	20.06	20.01
30M	CP 256QAM	1	1	17.59	17.11	17.30

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	24.10	23.98	23.92
		1	26	24.08	23.89	23.92
		1	49	24.12	23.79	23.92
		25	0	24.11	23.74	23.77
		25	13	24.12	23.92	24.05
		25	26	24.05	23.94	23.82
		50	0	24.03	23.96	23.77
20M	DFT-S QPSK	1	1	24.07	23.90	23.74
		1	26	24.08	23.90	23.62
		1	49	23.89	23.97	23.66
		25	0	24.03	23.90	23.65
		25	13	23.99	23.95	23.64
		25	26	24.05	23.87	23.65
		50	0	23.99	23.80	23.77
20M	DFT-S 16QAM	1	1	22.78	22.82	23.03
20M	DFT-S 64QAM	1	1	21.76	21.84	21.84
20M	DFT-S 256QAM	1	1	19.74	19.75	19.49
20M	CP QPSK	1	1	20.84	20.89	20.95
20M	CP 16QAM	1	1	20.93	20.82	20.85
20M	CP 64QAM	1	1	20.18	20.19	20.42
20M	CP 256QAM	1	1	17.30	17.50	17.54

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	24.12	24.02	24.08
		1	19	23.98	23.85	24.03
		1	36	24.10	23.84	23.89
		18	0	24.13	23.82	23.81
		18	10	24.19	23.96	23.87
		18	20	24.05	23.75	23.93
		36	0	24.00	23.87	23.81
15M	DFT-S QPSK	1	1	24.04	23.99	23.70
		1	19	24.02	23.85	23.63
		1	36	23.98	23.93	23.76
		18	0	24.09	23.94	23.64
		18	10	24.06	23.85	23.67
		18	20	24.14	23.91	23.68
		36	0	24.03	23.86	23.67
15M	DFT-S 16QAM	1	1	22.86	22.96	23.06
15M	DFT-S 64QAM	1	1	21.79	21.79	21.97
15M	DFT-S 256QAM	1	1	19.79	19.87	19.61
15M	CP QPSK	1	1	21.02	20.97	20.78
15M	CP 16QAM	1	1	20.93	20.72	20.93
15M	CP 64QAM	1	1	20.27	20.36	20.35
15M	CP 256QAM	1	1	17.37	17.51	17.63

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	24.19	24.07	23.96
		1	11	24.11	23.85	23.92
		1	22	24.10	23.88	23.88
		12	0	24.12	23.93	23.87
		12	6	24.17	23.90	23.83
		12	12	24.05	23.77	23.91
		24	0	23.94	23.94	23.76
10M	DFT-S QPSK	1	1	24.13	23.99	23.83
		1	11	24.05	23.83	23.58
		1	22	24.00	23.92	23.65
		12	0	23.92	23.86	23.66
		12	6	24.12	23.86	23.71
		12	12	24.05	23.92	23.64
		24	0	23.92	23.89	23.78
10M	DFT-S 16QAM	1	1	22.76	22.93	23.05
10M	DFT-S 64QAM	1	1	21.63	21.78	21.95
10M	DFT-S 256QAM	1	1	19.67	19.79	19.69
10M	CP QPSK	1	1	20.98	20.89	20.93
10M	CP 16QAM	1	1	20.94	20.68	20.88
10M	CP 64QAM	1	1	20.28	20.38	20.41
10M	CP 256QAM	1	1	17.41	17.45	17.59

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	27.94	27.79	27.82
		1	137	27.86	27.69	27.81
		1	271	27.90	27.78	27.63
		135	0	27.89	27.64	27.72
		135	69	27.87	27.76	27.73
		135	138	27.98	27.62	27.78
		270	0	27.75	27.68	27.70
100M	DFT-S QPSK	1	1	27.83	27.81	27.55
		1	137	27.90	27.64	27.46
		1	271	27.74	27.60	27.32
		135	0	27.74	27.69	27.50
		135	69	27.86	27.61	27.44
		135	138	27.95	27.74	27.36
		270	0	27.76	27.77	27.42
100M	DFT-S 16QAM	1	1	26.73	26.70	26.83
100M	DFT-S 64QAM	1	1	25.50	25.56	25.77
100M	DFT-S 256QAM	1	1	23.48	23.76	23.44
100M	CP QPSK	1	1	24.64	24.56	24.70
100M	CP 16QAM	1	1	24.64	24.46	24.79
100M	CP 64QAM	1	1	23.99	24.03	24.11
100M	CP 256QAM	1	1	21.30	21.43	21.42

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequence (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	27.88	27.79	27.82
		1	123	27.92	27.51	27.71
		1	243	27.76	27.75	27.72
		120	0	27.84	27.70	27.72
		120	63	27.84	27.66	27.72
		120	125	27.85	27.70	27.73
		243	0	27.88	27.61	27.75
90M	DFT-S QPSK	1	1	27.82	27.79	27.69
		1	123	27.89	27.59	27.28
		1	243	27.77	27.61	27.46
		120	0	27.78	27.52	27.47
		120	63	27.83	27.77	27.43
		120	125	27.94	27.71	27.44
		243	0	27.89	27.65	27.52
90M	DFT-S 16QAM	1	1	26.58	26.86	26.70
90M	DFT-S 64QAM	1	1	25.49	25.71	25.73
90M	DFT-S 256QAM	1	1	23.46	23.68	23.43
90M	CP QPSK	1	1	24.75	24.68	24.66
90M	CP 16QAM	1	1	24.80	24.52	24.81
90M	CP 64QAM	1	1	24.02	24.01	24.10
90M	CP 256QAM	1	1	21.22	21.34	21.35

*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	27.91	27.70	27.83
		1	109	27.96	27.62	27.71
		1	215	27.81	27.64	27.60
		108	0	27.84	27.70	27.64
		108	55	27.90	27.75	27.69
		108	109	27.83	27.69	27.76
		216	0	27.82	27.62	27.75
80M	DFT-S QPSK	1	1	27.86	27.71	27.57
		1	109	27.84	27.66	27.36
		1	215	27.90	27.63	27.40
		108	0	27.76	27.71	27.33
		108	55	27.79	27.62	27.42
		108	109	27.86	27.59	27.43
		216	0	27.86	27.70	27.45
80M	DFT-S 16QAM	1	1	26.50	26.77	26.87
80M	DFT-S 64QAM	1	1	25.44	25.55	25.74
80M	DFT-S 256QAM	1	1	23.54	23.66	23.45
80M	CP QPSK	1	1	24.72	24.65	24.69
80M	CP 16QAM	1	1	24.71	24.62	24.75
80M	CP 64QAM	1	1	24.02	24.18	24.16
80M	CP 256QAM	1	1	21.26	21.33	21.47

*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	27.95	27.85	27.91
		1	95	27.90	27.71	27.75
		1	187	27.88	27.77	27.68
		90	0	27.94	27.63	27.65
		90	50	27.90	27.73	27.77
		90	99	27.99	27.64	27.64
		180	0	27.93	27.70	27.69
70M	DFT-S QPSK	1	1	27.98	27.84	27.59
		1	95	27.93	27.66	27.42
		1	187	27.80	27.70	27.40
		90	0	27.94	27.68	27.52
		90	50	27.76	27.76	27.41
		90	99	27.75	27.60	27.39
		180	0	27.80	27.73	27.48
70M	DFT-S 16QAM	1	1	26.70	26.65	26.69
70M	DFT-S 64QAM	1	1	25.50	25.69	25.77
70M	DFT-S 256QAM	1	1	23.45	23.68	23.38
70M	CP QPSK	1	1	24.59	24.73	24.66
70M	CP 16QAM	1	1	24.72	24.51	24.63
70M	CP 64QAM	1	1	24.10	24.11	24.05
70M	CP 256QAM	1	1	21.24	21.30	21.45

*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	27.91	27.78	27.80
		1	81	27.96	27.52	27.70
		1	160	27.82	27.84	27.77
		81	0	27.84	27.63	27.67
		81	41	27.87	27.60	27.68
		81	81	27.93	27.66	27.72
		162	0	27.95	27.76	27.56
60M	DFT-S QPSK	1	1	27.95	27.82	27.58
		1	81	27.89	27.73	27.46
		1	160	27.79	27.70	27.57
		81	0	27.80	27.62	27.41
		81	41	27.84	27.57	27.31
		81	81	27.80	27.67	27.32
		162	0	27.88	27.72	27.51
60M	DFT-S 16QAM	1	1	26.58	26.89	26.85
60M	DFT-S 64QAM	1	1	25.43	25.61	25.77
60M	DFT-S 256QAM	1	1	23.47	23.55	23.43
60M	CP QPSK	1	1	24.73	24.62	24.75
60M	CP 16QAM	1	1	24.69	24.41	24.64
60M	CP 64QAM	1	1	24.16	24.12	24.04
60M	CP 256QAM	1	1	21.17	21.31	21.36

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequence (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	27.86	27.75	27.82
		1	67	27.90	27.57	27.63
		1	131	27.94	27.71	27.60
		64	0	27.88	27.63	27.77
		64	35	27.94	27.72	27.77
		64	69	27.93	27.72	27.73
		128	0	27.78	27.65	27.71
50M	DFT-S QPSK	1	1	27.93	27.90	27.57
		1	67	27.75	27.71	27.52
		1	131	27.78	27.71	27.36
		64	0	27.88	27.73	27.44
		64	35	27.89	27.75	27.43
		64	69	27.83	27.81	27.50
		128	0	27.89	27.66	27.48
50M	DFT-S 16QAM	1	1	26.63	26.73	26.82
50M	DFT-S 64QAM	1	1	25.50	25.67	25.66
50M	DFT-S 256QAM	1	1	23.48	23.61	23.45
50M	CP QPSK	1	1	24.68	24.71	24.75
50M	CP 16QAM	1	1	24.90	24.64	24.66
50M	CP 64QAM	1	1	24.06	24.02	24.07
50M	CP 256QAM	1	1	21.24	21.35	21.32

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	27.98	27.73	27.83
		1	53	27.90	27.67	27.80
		1	104	27.80	27.80	27.63
		50	0	27.85	27.74	27.70
		50	28	27.94	27.78	27.72
		50	56	27.84	27.58	27.69
		100	0	27.72	27.69	27.68
40M	DFT-S QPSK	1	1	27.89	27.80	27.51
		1	53	27.87	27.67	27.45
		1	104	27.87	27.66	27.50
		50	0	27.66	27.61	27.47
		50	28	27.71	27.65	27.35
		50	56	27.83	27.76	27.45
		100	0	27.90	27.79	27.51
40M	DFT-S 16QAM	1	1	26.66	26.81	26.69
40M	DFT-S 64QAM	1	1	25.64	25.59	25.75
40M	DFT-S 256QAM	1	1	23.40	23.62	23.38
40M	CP QPSK	1	1	24.68	24.79	24.58
40M	CP 16QAM	1	1	24.79	24.59	24.71
40M	CP 64QAM	1	1	24.11	24.16	24.09
40M	CP 256QAM	1	1	21.22	21.46	21.39

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequence (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	27.65	27.54	27.43
		1	39	27.93	27.48	27.38
		1	76	27.79	27.76	27.34
		36	0	27.81	27.57	27.52
		36	21	27.77	27.59	27.27
		36	42	27.69	27.42	27.65
		75	0	27.87	27.73	27.55
30M	DFT-S QPSK	1	1	27.46	27.41	27.63
		1	39	27.52	27.49	27.25
		1	76	27.37	27.63	27.30
		36	0	27.50	27.33	27.39
		36	21	27.29	27.63	27.40
		36	42	27.49	27.41	27.72
		75	0	27.57	27.65	27.64
30M	DFT-S 16QAM	1	1	26.72	26.75	26.63
30M	DFT-S 64QAM	1	1	25.52	25.54	25.59
30M	DFT-S 256QAM	1	1	23.62	23.45	23.18
30M	CP QPSK	1	1	24.39	24.64	24.77
30M	CP 16QAM	1	1	24.73	24.73	24.82
30M	CP 64QAM	1	1	24.28	23.86	23.81
30M	CP 256QAM	1	1	21.39	20.91	21.10

*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	27.90	27.78	27.72
		1	26	27.88	27.69	27.72
		1	49	27.92	27.59	27.72
		25	0	27.91	27.54	27.57
		25	13	27.92	27.72	27.85
		25	26	27.85	27.74	27.62
		50	0	27.83	27.76	27.57
20M	DFT-S QPSK	1	1	27.87	27.70	27.54
		1	26	27.88	27.70	27.42
		1	49	27.69	27.77	27.46
		25	0	27.83	27.70	27.45
		25	13	27.79	27.75	27.44
		25	26	27.85	27.67	27.45
		50	0	27.79	27.60	27.57
20M	DFT-S 16QAM	1	1	26.58	26.62	26.83
20M	DFT-S 64QAM	1	1	25.56	25.64	25.64
20M	DFT-S 256QAM	1	1	23.54	23.55	23.29
20M	CP QPSK	1	1	24.64	24.69	24.75
20M	CP 16QAM	1	1	24.73	24.62	24.65
20M	CP 64QAM	1	1	23.98	23.99	24.22
20M	CP 256QAM	1	1	21.10	21.30	21.34

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequence (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	27.92	27.82	27.88
		1	19	27.78	27.65	27.83
		1	36	27.90	27.64	27.69
		18	0	27.93	27.62	27.61
		18	10	27.99	27.76	27.67
		18	20	27.85	27.55	27.73
		36	0	27.80	27.67	27.61
15M	DFT-S QPSK	1	1	27.84	27.79	27.50
		1	19	27.82	27.65	27.43
		1	36	27.78	27.73	27.56
		18	0	27.89	27.74	27.44
		18	10	27.86	27.65	27.47
		18	20	27.94	27.71	27.48
		36	0	27.83	27.66	27.47
15M	DFT-S 16QAM	1	1	26.66	26.76	26.86
15M	DFT-S 64QAM	1	1	25.59	25.59	25.77
15M	DFT-S 256QAM	1	1	23.59	23.67	23.41
15M	CP QPSK	1	1	24.82	24.77	24.58
15M	CP 16QAM	1	1	24.73	24.52	24.73
15M	CP 64QAM	1	1	24.07	24.16	24.15
15M	CP 256QAM	1	1	21.17	21.31	21.43

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

NR Band 77 (MIMO)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequence (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	27.99	27.87	27.76
		1	11	27.91	27.65	27.72
		1	22	27.90	27.68	27.68
		12	0	27.92	27.73	27.67
		12	6	27.97	27.70	27.63
		12	12	27.85	27.57	27.71
		24	0	27.74	27.74	27.56
10M	DFT-S QPSK	1	1	27.93	27.79	27.63
		1	11	27.85	27.63	27.38
		1	22	27.80	27.72	27.45
		12	0	27.72	27.66	27.46
		12	6	27.92	27.66	27.51
		12	12	27.85	27.72	27.44
		24	0	27.72	27.69	27.58
10M	DFT-S 16QAM	1	1	26.56	26.73	26.85
10M	DFT-S 64QAM	1	1	25.43	25.58	25.75
10M	DFT-S 256QAM	1	1	23.47	23.59	23.49
10M	CP QPSK	1	1	24.78	24.69	24.73
10M	CP 16QAM	1	1	24.74	24.48	24.68
10M	CP 64QAM	1	1	24.08	24.18	24.21
10M	CP 256QAM	1	1	21.21	21.25	21.39

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

7.2 Radiated Spurious Emissions below 1GHz

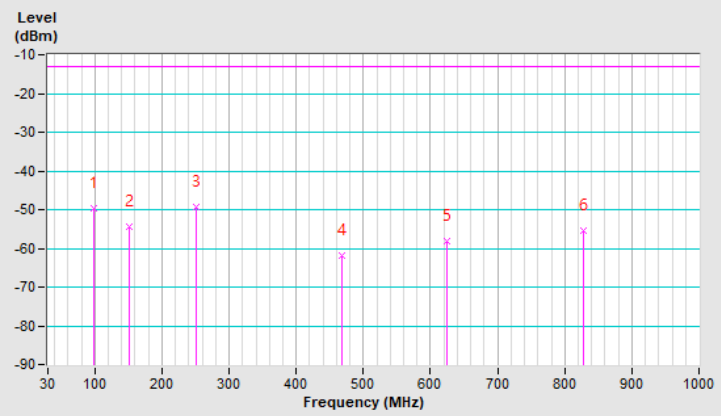
7.2.1 NR n77 (3450-3550 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 636332：3544.98 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	97.90	-49.82	-13.00	-36.82	2.00 H	106	62.55	-112.37
2	150.28	-54.41	-13.00	-41.41	1.00 H	152	53.25	-107.66
3	250.19	-49.32	-13.00	-36.32	1.50 H	33	59.56	-108.88
4	467.47	-62.02	-13.00	-49.02	1.00 H	352	40.90	-102.92
5	624.61	-58.10	-13.00	-45.10	1.50 H	133	41.90	-100.00
6	828.31	-55.36	-13.00	-42.36	1.00 H	35	41.41	-96.77

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

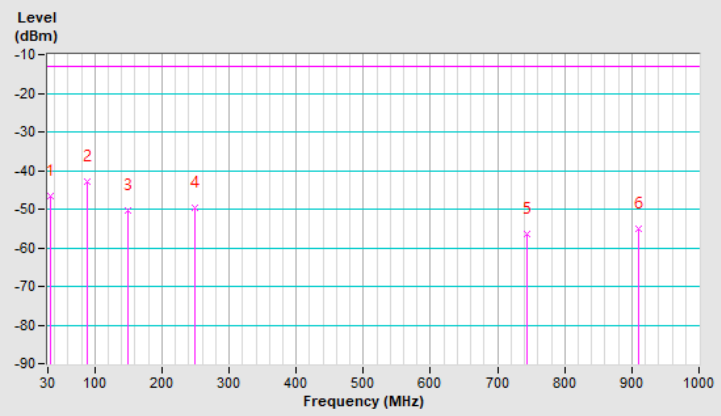


RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 636332：3544.98 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	-46.53	-13.00	-33.53	2.00 V	166	61.47	-108.00
2	88.20	-42.98	-13.00	-29.98	1.00 V	170	70.29	-113.27
3	148.34	-50.48	-13.00	-37.48	1.50 V	216	57.28	-107.76
4	249.22	-49.69	-13.00	-36.69	1.00 V	27	59.21	-108.90
5	743.92	-56.59	-13.00	-43.59	1.00 V	2	40.84	-97.43
6	909.79	-55.00	-13.00	-42.00	2.00 V	322	41.14	-96.14

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



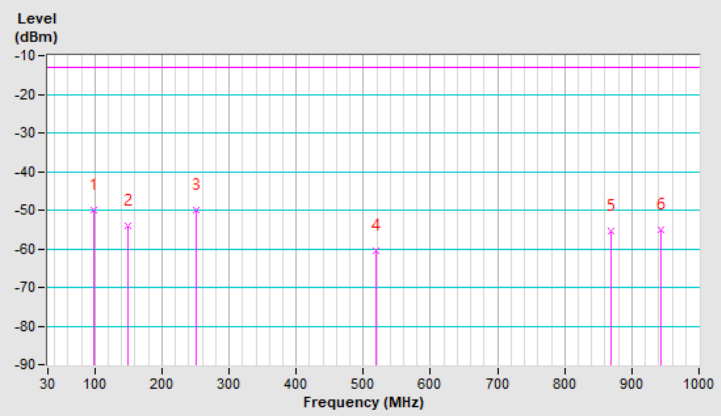
7.2.2 NR n77 (3700-3980 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 665000：3975.00 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	98.87	-49.85	-13.00	-36.85	2.00 H	106	62.35	-112.20
2	149.31	-54.09	-13.00	-41.09	1.00 H	163	53.60	-107.69
3	250.19	-49.96	-13.00	-36.96	1.50 H	30	58.92	-108.88
4	519.85	-60.46	-13.00	-47.46	1.00 H	56	41.25	-101.71
5	869.05	-55.59	-13.00	-42.59	1.00 H	346	41.13	-96.72
6	943.74	-55.15	-13.00	-42.15	1.50 H	333	40.65	-95.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

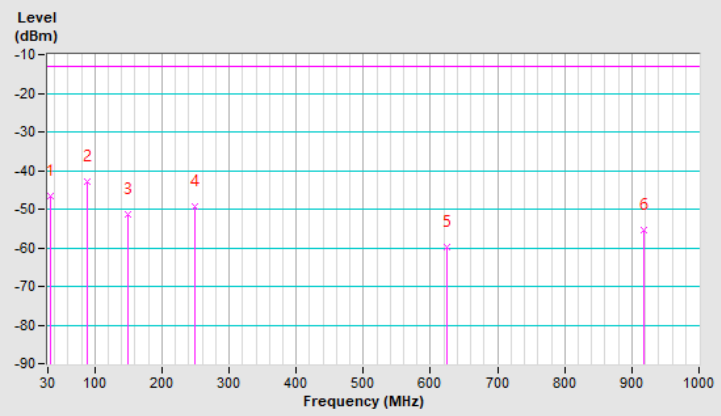


RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 665000：3975.00 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	-46.73	-13.00	-33.73	1.50 V	100	61.27	-108.00
2	**88.20**	**-42.92**	**-13.00**	**-29.92**	**1.00 V**	**159**	**70.35**	**-113.27**
3	149.31	-51.38	-13.00	-38.38	2.00 V	218	56.31	-107.69
4	249.22	-49.45	-13.00	-36.45	1.00 V	30	59.45	-108.90
5	623.64	-59.71	-13.00	-46.71	1.00 V	314	40.32	-100.03
6	918.52	-55.30	-13.00	-42.30	1.50 V	181	40.79	-96.09

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.3 Radiated Spurious Emissions above 1GHz

7.3.1 NR n77 (3450-3550 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 630334：3455.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6910.02	-42.30	-13.00	-29.30	2.31 H	157	57.48	-99.78
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6910.02	-44.15	-13.00	-31.15	1.87 V	115	55.63	-99.78

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.02	-41.78	-13.00	-28.78	1.57 H	116	57.42	-99.20
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.02	-43.51	-13.00	-30.51	2.41 V	152	55.69	-99.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 636332：3544.98 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7089.96	-40.90	-13.00	-27.90	2.74 H	189	57.41	-98.31
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7089.96	-42.90	-13.00	-29.90	1.52 V	226	55.41	-98.31

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 631668：3475.02 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6950.04	-42.06	-13.00	-29.06	2.87 H	325	57.49	-99.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6950.04	-44.19	-13.00	-31.19	1.87 V	165	55.36	-99.55

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.02	-41.51	-13.00	-28.51	1.63 H	287	57.69	-99.20
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.02	-43.73	-13.00	-30.73	2.56 V	136	55.47	-99.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 635000：3525.00 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7050.00	-41.14	-13.00	-28.14	2.04 H	168	57.41	-98.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7050.00	-42.66	-13.00	-29.66	1.67 V	324	55.89	-98.55

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 60MHz	Channel	CH 632000：3480.00 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6960.00	-42.11	-13.00	-29.11	2.68 H	285	57.37	-99.48
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6960.00	-43.86	-13.00	-30.86	1.54 V	180	55.62	-99.48

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 60MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.02	-41.87	-13.00	-28.87	2.59 H	112	57.33	-99.20
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.02	-43.66	-13.00	-30.66	2.66 V	287	55.54	-99.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 60MHz	Channel	CH 634666：3519.99 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7039.98	-41.18	-13.00	-28.18	1.64 H	124	57.49	-98.67
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7039.98	-42.99	-13.00	-29.99	2.89 V	236	55.68	-98.67

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.02	-41.34	-13.00	-28.34	1.41 H	65	57.86	-99.20
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.02	-44.04	-13.00	-31.04	2.52 V	187	55.16	-99.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.2 NR n77 (3700-3980 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 647000：3705.00 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7410.00	-39.97	-13.00	-26.97	1.52 H	263	57.69	-97.66
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7410.00	-42.43	-13.00	-29.43	2.32 V	188	55.23	-97.66

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 656000：3840 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7680.00	-40.32	-13.00	-27.32	1.65 H	287	57.42	-97.74
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7680.00	-42.11	-13.00	-29.11	2.46 V	187	55.63	-97.74

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 665000：3975.00 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	**7950.00**	**-38.81**	**-13.00**	**-25.81**	**2.34 H**	**167**	**57.63**	**-96.44**
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7950.00	-41.17	-13.00	-28.17	1.52 V	227	55.27	-96.44

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 648334：3725.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7450.02	-39.35	-13.00	-26.35	1.52 H	226	57.96	-97.31
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7450.02	-41.85	-13.00	-28.85	2.36 V	197	55.46	-97.31

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 656000：3840 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7680.00	-40.50	-13.00	-27.50	2.64 H	182	57.24	-97.74
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7680.00	-42.00	-13.00	-29.00	3.74 V	158	55.74	-97.74

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 663666：3954.99 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7909.98	-38.95	-13.00	-25.95	2.74 H	164	57.69	-96.64
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7909.98	-41.29	-13.00	-28.29	1.62 V	228	55.35	-96.64

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 650000：3750 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7500.00	-39.92	-13.00	-26.92	3.25 H	164	57.55	-97.47
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7500.00	-42.01	-13.00	-29.01	2.25 V	187	55.46	-97.47

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 656000：3840 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7680.00	-40.35	-13.00	-27.35	1.25 H	226	57.39	-97.74
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7680.00	-42.33	-13.00	-29.33	2.52 V	178	55.41	-97.74

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 662000：3930 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70.3% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7860.00	-39.64	-13.00	-26.64	1.52 H	226	57.27	-96.91
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7860.00	-41.44	-13.00	-28.44	2.64 V	125	55.47	-96.91

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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