TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 22** **47 CFR FCC Part 24** **47 CFR FCC Part 27** **47 CFR FCC Part 2**
Report No.:	RFBCKS-WTW-P23080370-1 R1
FCC ID:	NKR-UMCSTD35HN
Product:	Automotive 5G-NR NAD
Brand:	WNC
Model No.:	UMC-STD35HN
Received Date:	2023/8/17
Test Date:	2023/8/30 ~ 2023/3/10
Issued Date:	2024/3/12
Applicant:	Wistron NeWeb Corporation
Address:	1 20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan
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., Kewi Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** 2024/3/12

Jeremy Lin / Project Engineer

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Prepared by : Celine Chou / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P23080370-1	Original release.	2024/1/4
RFBCKS-WTW-P23080370-1 R1	Added n41 and n77 high power (PC2)	2024/3/12

1 Certificate

Product:	Automotive 5G-NR NAD
Brand:	WNC
Test Model:	UMC-STD35HN
Sample Status:	Engineering sample
Applicant:	Wistron NeWeb Corporation
Test Date:	2023/8/30 ~ 2023/3/10
Standard:	47 CFR FCC Part 22 47 CFR FCC Part 24 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 v02r02

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

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 22.913 (a) Part 24.232 (c) Part 27.50(d) Part 27.50(h) Part 27.50(c) Part 27.50(j) Part 27.50(k)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
Part 2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
Part 22.913 (d) Part 24.232 (d) Part 27.50(d) Part 27.50(k)(4) Part 27.50(j)(4)	Peak to Average Ratio	Pass	Meet the requirement of limit.
Part 2.1049	Bandwidth	Pass	Meet the requirement of limit.
Part 2.1051 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(l) Part 27.53(n)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(l) Part 27.53(n)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -7.77 dB at 40.67 MHz
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(l) Part 27.53(n)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -8.01 dB at 5092.02 MHz
Part 2.1055 Part 22.355 Part 24.235 Part 27.54	Frequency Stability	Pass	Meet the requirement of limit.

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

2.1 Measurement Uncertainty

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

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

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Automotive 5G-NR NAD
Brand	WNC
Test Model	UMC-STD35HN
Status of EUT	Engineering sample
Power Supply Rating	4.7 Vdc

Note:

1. The EUT supports the following ENDC configuration.

	5G FR1			ENDC
	Band	SCS	Bandwidth (MHz)	
5GNR	n2	15 kHz	5/10/15/20	B5, B13, B71
	n5	15 kHz	5/10/15/20	B66
	n7	15 kHz	5/10/15/20	B5, B12
	n41	30 kHz	10/15/20/40/50/60/70/80/90/100	B5, B26, B71
	n66	15 kHz	5/10/15/20/40	B5, B12, B13
	n71	15 kHz	5/10/15/20	B2, B7, B66
	n77 (3450-3550 MHz)	30 kHz	10/15/20/30/40/50/60/70/80/90/100	B5, B13
	n77 (3700-3980 MHz)	30 kHz	10/15/20/30/40/50/60/70/80/90/100	B5, B13
	n78 (3450-3550 MHz)	30 kHz	10/15/20/30/40/50/60/70/80/90/100	B7, B12, B71

* This EUT support SA mode and NSA mode, after verification, SA mode was the worst case and chosen for final test.

* 5G NR n77 has same RF characteristic and power setting as 5GNR n78.

* 5G NR n77 overlaps the entire frequency range of 5G NR n78. Therefore, test data provided in this report covers 5G NR n77 as well as 5G NR n78.

2. EUT Overview

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n2 SCS 15 kHz (Channel Bandwidth 5 MHz)	1852.5-1907.5	389.045mW (25.90dBm)	380.189mW (25.80dBm)	316.957mW (25.01dBm)	239.332mW (23.79dBm)	142.889mW (21.55dBm)
n2 SCS 15 kHz (Channel Bandwidth 10 MHz)	1855.0-1905.0	379.315mW (25.79dBm)	394.457mW (25.96dBm)	289.734mW (24.62dBm)	217.771mW (23.38dBm)	139.316mW (21.44dBm)
n2 SCS 15 kHz (Channel Bandwidth 15 MHz)	1857.5-1902.5	381.944mW (25.82dBm)	378.443mW (25.78dBm)	281.838mW (24.50dBm)	215.774mW (23.34dBm)	128.825mW (21.10dBm)
n2 SCS 15 kHz (Channel Bandwidth 20 MHz)	1860.0-1900.0	397.192mW (25.99dBm)	370.681mW (25.69dBm)	274.157mW (24.38dBm)	212.324mW (23.27dBm)	127.938mW (21.07dBm)
n7 SCS 15 kHz (Channel Bandwidth 5 MHz)	2502.5-2567.5	351.560mW (25.46dBm)	321.366mW (25.07dBm)	253.513mW (24.04dBm)	172.584mW (22.37dBm)	118.850mW (20.75dBm)
n7 SCS 15 kHz (Channel Bandwidth 10 MHz)	2505.0-2565.0	311.889mW (24.94dBm)	301.995mW (24.80dBm)	235.505mW (23.72dBm)	154.525mW (21.89dBm)	109.396mW (20.39dBm)
n7 SCS 15 kHz (Channel Bandwidth 15 MHz)	2507.5-2562.5	293.765mW (24.68dBm)	292.415mW (24.66dBm)	229.087mW (23.60dBm)	163.682mW (22.14dBm)	100.462mW (20.02dBm)
n7 SCS 15 kHz (Channel Bandwidth 20 MHz)	2510.0-2560.0	352.371mW (25.47dBm)	323.594mW (25.10dBm)	259.418mW (24.14dBm)	178.649mW (22.52dBm)	123.027mW (20.90dBm)

Band / Bandwidth		TX Frequency Range (MHz)	Max. EIRP Power				
			BPSK	QPSK	16QAM	64QAM	256QAM
n41 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC2	2501.01-2685.00	691.831mW (28.40dBm)	666.807mW (28.24dBm)	388.150mW (25.89dBm)	286.418mW (24.57dBm)	190.546mW (22.80dBm)
n41 SCS 30 kHz (Channel Bandwidth 15 MHz)		2503.50-2682.48	677.642mW (28.31dBm)	653.131mW (28.15dBm)	387.258mW (25.88dBm)	271.644mW (24.34dBm)	175.792mW (22.45dBm)
n41 SCS 30 kHz (Channel Bandwidth 20 MHz)		2506.02-2679.99	656.145mW (28.17dBm)	638.263mW (28.05dBm)	388.150mW (25.89dBm)	281.838mW (24.50dBm)	180.302mW (22.56dBm)
n41 SCS 30 kHz (Channel Bandwidth 40 MHz)		2516.01-2670.00	654.636mW (28.16dBm)	656.145mW (28.17dBm)	410.204mW (26.13dBm)	285.102mW (24.55dBm)	188.799mW (22.76dBm)
n41 SCS 30 kHz (Channel Bandwidth 50 MHz)		2521.02-2664.99	662.217mW (28.21dBm)	676.083mW (28.30dBm)	394.457mW (25.96dBm)	278.612mW (24.45dBm)	185.353mW (22.68dBm)
n41 SCS 30 kHz (Channel Bandwidth 60 MHz)		2526.00-2659.98	663.743mW (28.22dBm)	650.130mW (28.13dBm)	389.942mW (25.91dBm)	295.801mW (24.71dBm)	191.426mW (22.82dBm)
n41 SCS 30 kHz (Channel Bandwidth 70 MHz)		2531.01-2655.00	638.263mW (28.05dBm)	653.131mW (28.15dBm)	395.367mW (25.97dBm)	285.102mW (24.55dBm)	190.985mW (22.81dBm)
n41 SCS 30 kHz (Channel Bandwidth 80 MHz)		2536.02-2649.99	650.130mW (28.13dBm)	651.628mW (28.14dBm)	382.825mW (25.83dBm)	281.838mW (24.50dBm)	190.546mW (22.80dBm)
n41 SCS 30 kHz (Channel Bandwidth 90 MHz)		2541.00-2644.98	659.174mW (28.19dBm)	630.957mW (28.00dBm)	389.045mW (25.90dBm)	273.527mW (24.37dBm)	189.671mW (22.78dBm)
n41 SCS 30 kHz (Channel Bandwidth 100 MHz)		2546.01-2640.00	709.578mW (28.51dBm)	645.654mW (28.10dBm)	399.945mW (26.02dBm)	275.423mW (24.40dBm)	191.867mW (22.83dBm)
n41 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC3	2501.01-2685.00	380.189mW (25.80dBm)	403.645mW (26.06dBm)	238.232mW (23.77dBm)	174.582mW (22.42dBm)	115.611mW (20.63dBm)
n41 SCS 30 kHz (Channel Bandwidth 15 MHz)		2503.50-2682.48	374.973mW (25.74dBm)	403.645mW (26.06dBm)	247.172mW (23.93dBm)	169.044mW (22.28dBm)	110.154mW (20.42dBm)
n41 SCS 30 kHz (Channel Bandwidth 20 MHz)		2506.02-2679.99	375.837mW (25.75dBm)	395.367mW (25.97dBm)	237.684mW (23.76dBm)	176.604mW (22.47dBm)	114.288mW (20.58dBm)
n41 SCS 30 kHz (Channel Bandwidth 40 MHz)		2516.01-2670.00	379.315mW (25.79dBm)	399.945mW (26.02dBm)	249.459mW (23.97dBm)	174.985mW (22.43dBm)	114.288mW (20.58dBm)
n41 SCS 30 kHz (Channel Bandwidth 50 MHz)		2521.02-2664.99	379.315mW (25.79dBm)	410.204mW (26.13dBm)	244.906mW (23.89dBm)	171.396mW (22.34dBm)	113.240mW (20.54dBm)
n41 SCS 30 kHz (Channel Bandwidth 60 MHz)		2526.00-2659.98	372.392mW (25.71dBm)	405.509mW (26.08dBm)	239.883mW (23.80dBm)	179.061mW (22.53dBm)	116.413mW (20.66dBm)
n41 SCS 30 kHz (Channel Bandwidth 70 MHz)		2531.01-2655.00	377.572mW (25.77dBm)	394.457mW (25.96dBm)	244.343mW (23.88dBm)	173.380mW (22.39dBm)	116.950mW (20.68dBm)
n41 SCS 30 kHz (Channel Bandwidth 80 MHz)		2536.02-2649.99	391.742mW (25.93dBm)	404.576mW (26.07dBm)	245.471mW (23.90dBm)	174.582mW (22.42dBm)	115.611mW (20.63dBm)
n41 SCS 30 kHz (Channel Bandwidth 90 MHz)		2541.00-2644.98	378.443mW (25.78dBm)	389.942mW (25.91dBm)	241.546mW (23.83dBm)	171.396mW (22.34dBm)	116.950mW (20.68dBm)
n41 SCS 30 kHz (Channel Bandwidth 100 MHz)		2546.01-2640.00	389.942mW (25.91dBm)	412.098mW (26.15dBm)	252.348mW (24.02dBm)	177.011mW (22.48dBm)	118.032mW (20.72dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n66 SCS 15 kHz (Channel Bandwidth 5 MHz)	1712.5-1777.5	321.366mW (25.07dBm)	311.172mW (24.93dBm)	251.189mW (24.00dBm)	181.970mW (22.60dBm)	122.462mW (20.88dBm)
n66 SCS 15 kHz (Channel Bandwidth 10 MHz)	1715.0-1775.0	320.627mW (25.06dBm)	312.608mW (24.95dBm)	258.226mW (24.12dBm)	184.077mW (22.65dBm)	125.314mW (20.98dBm)
n66 SCS 15 kHz (Channel Bandwidth 15 MHz)	1717.5-1772.5	320.627mW (25.06dBm)	309.742mW (24.91dBm)	255.270mW (24.07dBm)	183.654mW (22.64dBm)	123.310mW (20.91dBm)
n66 SCS 15 kHz (Channel Bandwidth 20 MHz)	1720.0-1770.0	323.594mW (25.10dBm)	309.030mW (24.90dBm)	253.513mW (24.04dBm)	183.654mW (22.64dBm)	122.462mW (20.88dBm)
n66 SCS 15 kHz (Channel Bandwidth 40 MHz)	1730.0-1760.0	328.852mW (25.17dBm)	316.228mW (25.00dBm)	259.418mW (24.14dBm)	186.638mW (22.71dBm)	124.738mW (20.96dBm)

Band / Bandwidth		TX Frequency Range (MHz)	Max. EIRP Power				
			BPSK	QPSK	16QAM	64QAM	256QAM
n77 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC2	3455.01-3544.98	741.310mW (28.70dBm)	636.796mW (28.04dBm)	453.942mW (26.57dBm)	331.894mW (25.21dBm)	206.538mW (23.15dBm)
n77 SCS 30 kHz (Channel Bandwidth 15 MHz)		3457.50-3542.49	722.770mW (28.59dBm)	635.331mW (28.03dBm)	437.522mW (26.41dBm)	340.408mW (25.32dBm)	203.236mW (23.08dBm)
n77 SCS 30 kHz (Channel Bandwidth 20 MHz)		3460.02-3540.00	707.946mW (28.50dBm)	641.210mW (28.07dBm)	469.894mW (26.72dBm)	340.408mW (25.32dBm)	205.116mW (23.12dBm)
n77 SCS 30 kHz (Channel Bandwidth 30 MHz)		3465.00-3534.99	707.946mW (28.50dBm)	629.506mW (27.99dBm)	460.257mW (26.63dBm)	338.844mW (25.30dBm)	207.491mW (23.17dBm)
n77 SCS 30 kHz (Channel Bandwidth 40 MHz)		3470.01-3529.98	719.449mW (28.57dBm)	636.796mW (28.04dBm)	465.586mW (26.68dBm)	340.408mW (25.32dBm)	201.372mW (23.04dBm)
n77 SCS 30 kHz (Channel Bandwidth 50 MHz)		3475.02-3525.00	737.904mW (28.68dBm)	633.870mW (28.02dBm)	450.817mW (26.54dBm)	339.625mW (25.31dBm)	208.930mW (23.20dBm)
n77 SCS 30 kHz (Channel Bandwidth 60 MHz)		3480.00-3519.99	729.458mW (28.63dBm)	619.441mW (27.92dBm)	448.745mW (26.52dBm)	337.287mW (25.28dBm)	208.930mW (23.20dBm)
n77 SCS 30 kHz (Channel Bandwidth 70 MHz)		3485.01-3514.98	746.449mW (28.73dBm)	659.174mW (28.19dBm)	460.257mW (26.63dBm)	349.945mW (25.44dBm)	212.324mW (23.27dBm)
n77 SCS 30 kHz (Channel Bandwidth 80 MHz)		3490.02-3510.00	719.449mW (28.57dBm)	638.263mW (28.05dBm)	447.713mW (26.51dBm)	338.065mW (25.29dBm)	204.174mW (23.10dBm)
n77 SCS 30 kHz (Channel Bandwidth 90 MHz)		3495.00-3504.99	743.019mW (28.71dBm)	628.058mW (27.98dBm)	457.088mW (26.60dBm)	338.844mW (25.30dBm)	207.970mW (23.18dBm)
n77 SCS 30 kHz (Channel Bandwidth 100 MHz)		3500.01	792.501mW (28.99dBm)	639.735mW (28.06dBm)	468.813mW (26.71dBm)	340.408mW (25.32dBm)	211.836mW (23.26dBm)
n77 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC3	3455.01-3544.98	420.727mW (26.24dBm)	400.867mW (26.03dBm)	282.488mW (24.51dBm)	209.411mW (23.21dBm)	126.183mW (21.01dBm)
n77 SCS 30 kHz (Channel Bandwidth 15 MHz)		3457.50-3542.49	420.727mW (26.24dBm)	399.025mW (26.01dBm)	279.254mW (24.46dBm)	205.589mW (23.13dBm)	128.825mW (21.10dBm)
n77 SCS 30 kHz (Channel Bandwidth 20 MHz)		3460.02-3540.00	416.869mW (26.20dBm)	406.443mW (26.09dBm)	287.740mW (24.59dBm)	210.378mW (23.23dBm)	129.122mW (21.11dBm)
n77 SCS 30 kHz (Channel Bandwidth 30 MHz)		3465.00-3534.99	415.911mW (26.19dBm)	394.457mW (25.96dBm)	282.488mW (24.51dBm)	202.768mW (23.07dBm)	127.644mW (21.06dBm)
n77 SCS 30 kHz (Channel Bandwidth 40 MHz)		3470.01-3529.98	414.000mW (26.17dBm)	397.192mW (25.99dBm)	286.418mW (24.57dBm)	208.930mW (23.20dBm)	125.893mW (21.00dBm)
n77 SCS 30 kHz (Channel Bandwidth 50 MHz)		3475.02-3525.00	414.954mW (26.18dBm)	393.550mW (25.95dBm)	281.838mW (24.50dBm)	213.304mW (23.29dBm)	128.825mW (21.10dBm)
n77 SCS 30 kHz (Channel Bandwidth 60 MHz)		3480.00-3519.99	418.794mW (26.22dBm)	391.742mW (25.93dBm)	287.078mW (24.58dBm)	209.894mW (23.22dBm)	127.644mW (21.06dBm)
n77 SCS 30 kHz (Channel Bandwidth 70 MHz)		3485.01-3514.98	422.669mW (26.26dBm)	398.107mW (26.00dBm)	285.759mW (24.56dBm)	213.796mW (23.30dBm)	127.938mW (21.07dBm)
n77 SCS 30 kHz (Channel Bandwidth 80 MHz)		3490.02-3510.00	416.869mW (26.20dBm)	397.192mW (25.99dBm)	281.838mW (24.50dBm)	212.814mW (23.28dBm)	127.350mW (21.05dBm)
n77 SCS 30 kHz (Channel Bandwidth 90 MHz)		3495.00-3504.99	418.794mW (26.22dBm)	403.645mW (26.06dBm)	285.759mW (24.56dBm)	207.970mW (23.18dBm)	129.420mW (21.12dBm)
n77 SCS 30 kHz (Channel Bandwidth 100 MHz)		3500.01	448.745mW (26.52dBm)	394.457mW (25.96dBm)	287.078mW (24.58dBm)	207.491mW (23.17dBm)	129.420mW (21.12dBm)

Band / Bandwidth		TX Frequency Range (MHz)	Max. EIRP Power				
			BPSK	QPSK	16QAM	64QAM	256QAM
n77 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC2	3705.00-3975.00	721.107mW (28.58dBm)	696.627mW (28.43dBm)	444.631mW (26.48dBm)	302.691mW (24.81dBm)	207.491mW (23.17dBm)
n77 SCS 30 kHz (Channel Bandwidth 15 MHz)		3707.52-3972.48	714.496mW (28.54dBm)	687.068mW (28.37dBm)	435.512mW (26.39dBm)	306.196mW (24.86dBm)	205.116mW (23.12dBm)
n77 SCS 30 kHz (Channel Bandwidth 20 MHz)		3710.01-3969.99	734.514mW (28.66dBm)	688.652mW (28.38dBm)	435.512mW (26.39dBm)	304.789mW (24.84dBm)	197.697mW (22.96dBm)
n77 SCS 30 kHz (Channel Bandwidth 30 MHz)		3715.02-3964.98	731.139mW (28.64dBm)	688.652mW (28.38dBm)	430.527mW (26.34dBm)	311.889mW (24.94dBm)	197.242mW (22.95dBm)
n77 SCS 30 kHz (Channel Bandwidth 40 MHz)		3720.00-3960.00	716.143mW (28.55dBm)	680.769mW (28.33dBm)	444.631mW (26.48dBm)	316.957mW (25.01dBm)	204.174mW (23.10dBm)
n77 SCS 30 kHz (Channel Bandwidth 50 MHz)		3725.01-3954.99	726.106mW (28.61dBm)	691.831mW (28.40dBm)	422.669mW (26.26dBm)	314.775mW (24.98dBm)	210.863mW (23.24dBm)
n77 SCS 30 kHz (Channel Bandwidth 60 MHz)		3730.02-3949.98	737.904mW (28.68dBm)	687.068mW (28.37dBm)	439.542mW (26.43dBm)	308.319mW (24.89dBm)	208.449mW (23.19dBm)
n77 SCS 30 kHz (Channel Bandwidth 70 MHz)		3735.00-3945.00	704.693mW (28.48dBm)	679.204mW (28.32dBm)	425.598mW (26.29dBm)	306.196mW (24.86dBm)	197.697mW (22.96dBm)
n77 SCS 30 kHz (Channel Bandwidth 80 MHz)		3740.01-3939.99	726.106mW (28.61dBm)	674.528mW (28.29dBm)	431.519mW (26.35dBm)	305.492mW (24.85dBm)	205.589mW (23.13dBm)
n77 SCS 30 kHz (Channel Bandwidth 90 MHz)		3745.02-3934.98	732.825mW (28.65dBm)	676.083mW (28.30dBm)	438.531mW (26.42dBm)	299.916mW (24.77dBm)	204.174mW (23.10dBm)
n77 SCS 30 kHz (Channel Bandwidth 100 MHz)		3750.00-3930.00	741.310mW (28.70dBm)	703.072mW (28.47dBm)	450.817mW (26.54dBm)	309.030mW (24.90dBm)	208.449mW (23.19dBm)
n77 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC3	3705.00-3975.00	418.794mW (26.22dBm)	422.669mW (26.26dBm)	267.917mW (24.28dBm)	193.197mW (22.86dBm)	127.938mW (21.07dBm)
n77 SCS 30 kHz (Channel Bandwidth 15 MHz)		3707.52-3972.48	418.794mW (26.22dBm)	431.519mW (26.35dBm)	267.917mW (24.28dBm)	188.365mW (22.75dBm)	125.314mW (20.98dBm)
n77 SCS 30 kHz (Channel Bandwidth 20 MHz)		3710.01-3969.99	421.697mW (26.25dBm)	420.727mW (26.24dBm)	271.019mW (24.33dBm)	192.309mW (22.84dBm)	124.738mW (20.96dBm)
n77 SCS 30 kHz (Channel Bandwidth 30 MHz)		3715.02-3964.98	428.549mW (26.32dBm)	421.697mW (26.25dBm)	271.019mW (24.33dBm)	191.426mW (22.82dBm)	127.057mW (21.04dBm)
n77 SCS 30 kHz (Channel Bandwidth 40 MHz)		3720.00-3960.00	420.727mW (26.24dBm)	424.620mW (26.28dBm)	269.153mW (24.30dBm)	191.426mW (22.82dBm)	126.765mW (21.03dBm)
n77 SCS 30 kHz (Channel Bandwidth 50 MHz)		3725.01-3954.99	413.048mW (26.16dBm)	431.519mW (26.35dBm)	265.461mW (24.24dBm)	191.867mW (22.83dBm)	127.938mW (21.07dBm)
n77 SCS 30 kHz (Channel Bandwidth 60 MHz)		3730.02-3949.98	424.620mW (26.28dBm)	427.563mW (26.31dBm)	267.301mW (24.27dBm)	192.309mW (22.84dBm)	127.938mW (21.07dBm)
n77 SCS 30 kHz (Channel Bandwidth 70 MHz)		3735.00-3945.00	414.954mW (26.18dBm)	426.580mW (26.30dBm)	266.073mW (24.25dBm)	196.336mW (22.93dBm)	125.026mW (20.97dBm)
n77 SCS 30 kHz (Channel Bandwidth 80 MHz)		3740.01-3939.99	412.098mW (26.15dBm)	425.598mW (26.29dBm)	264.241mW (24.22dBm)	196.336mW (22.93dBm)	125.314mW (20.98dBm)
n77 SCS 30 kHz (Channel Bandwidth 90 MHz)		3745.02-3934.98	414.000mW (26.17dBm)	431.519mW (26.35dBm)	271.019mW (24.33dBm)	190.985mW (22.81dBm)	127.057mW (21.04dBm)
n77 SCS 30 kHz (Channel Bandwidth 100 MHz)		3750.00-3930.00	432.514mW (26.36dBm)	431.519mW (26.35dBm)	276.058mW (24.41dBm)	194.984mW (22.90dBm)	129.718mW (21.13dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. ERP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n5 SCS 15 kHz (Channel Bandwidth 5 MHz)	826.5-846.5	251.768mW (24.01dBm)	261.818mW (24.18dBm)	206.538mW (23.15dBm)	147.571mW (21.69dBm)	84.723mW (19.28dBm)
n5 SCS 15 kHz (Channel Bandwidth 10 MHz)	829.0-844.0	247.172mW (23.93dBm)	248.886mW (23.96dBm)	196.789mW (22.94dBm)	141.579mW (21.51dBm)	82.985mW (19.19dBm)
n5 SCS 15 kHz (Channel Bandwidth 15 MHz)	831.5-841.5	250.611mW (23.99dBm)	241.546mW (23.83dBm)	197.697mW (22.96dBm)	136.458mW (21.35dBm)	79.616mW (19.01dBm)
n5 SCS 15 kHz (Channel Bandwidth 20 MHz)	834.0-839.0	263.027mW (24.20dBm)	249.459mW (23.97dBm)	192.309mW (22.84dBm)	147.911mW (21.70dBm)	85.901mW (19.34dBm)
n71 SCS 15 kHz (Channel Bandwidth 5 MHz)	665.50-695.50	209.894mW (23.22dBm)	212.324mW (23.27dBm)	163.682mW (22.14dBm)	108.393mW (20.35dBm)	74.817mW (18.74dBm)
n71 SCS 15 kHz (Channel Bandwidth 10 MHz)	668.00-693.00	213.796mW (23.30dBm)	211.349mW (23.25dBm)	161.065mW (22.07dBm)	111.173mW (20.46dBm)	74.817mW (18.74dBm)
n71 SCS 15 kHz (Channel Bandwidth 15 MHz)	670.50-690.50	208.449mW (23.19dBm)	207.014mW (23.16dBm)	164.816mW (22.17dBm)	109.648mW (20.40dBm)	74.645mW (18.73dBm)
n71 SCS 15 kHz (Channel Bandwidth 20 MHz)	673.00-688.00	214.289mW (23.31dBm)	210.863mW (23.24dBm)	165.959mW (22.20dBm)	110.662mW (20.44dBm)	76.384mW (18.83dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator				
		BPSK	QPSK	16QAM	64QAM	256QAM
n2 SCS 15 kHz (Channel Bandwidth 5 MHz)	1852.5-1907.5	4M48G7D	4M47G7D	4M46D7W	4M47D7W	4M46D7W
n2 SCS 15 kHz (Channel Bandwidth 10 MHz)	1855.0-1905.0	9M23G7D	9M26G7D	9M31D7W	9M28D7W	9M28D7W
n2 SCS 15 kHz (Channel Bandwidth 15 MHz)	1857.5-1902.5	14M0G7D	14M0G7D	14M1D7W	14M1D7W	14M1D7W
n2 SCS 15 kHz (Channel Bandwidth 20 MHz)	1860.0-1900.0	18M8G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W
n5 SCS 15 kHz (Channel Bandwidth 5 MHz)	826.5-846.5	4M48G7D	4M48G7D	4M46D7W	4M47D7W	4M47D7W
n5 SCS 15 kHz (Channel Bandwidth 10 MHz)	829.0-844.0	9M24G7D	9M28G7D	9M31D7W	9M28D7W	9M29D7W
n5 SCS 15 kHz (Channel Bandwidth 15 MHz)	831.5-841.5	14M0G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
n5 SCS 15 kHz (Channel Bandwidth 20 MHz)	834.0-839.0	18M8G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W
n7 SCS 15 kHz (Channel Bandwidth 5 MHz)	2502.5-2567.5	4M47G7D	4M46G7D	4M46D7W	4M49D7W	4M46D7W
n7 SCS 15 kHz (Channel Bandwidth 10 MHz)	2505.0-2565.0	9M20G7D	9M28G7D	9M27D7W	9M31D7W	9M27D7W
n7 SCS 15 kHz (Channel Bandwidth 15 MHz)	2507.5-2562.5	13M9G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
n7 SCS 15 kHz (Channel Bandwidth 20 MHz)	2510.0-2560.0	18M7G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W

Band / Bandwidth		TX Frequency Range (MHz)	Emission Designator				
			BPSK	QPSK	16QAM	64QAM	256QAM
n41 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC2	2501.01-2685.00	8M60G7D	8M61G7D	8M59D7W	8M60D7W	8M59D7W
n41 SCS 30 kHz (Channel Bandwidth 15 MHz)		2503.50-2682.48	13M5G7D	13M6G7D	13M6D7W	13M6D7W	13M6D7W
n41 SCS 30 kHz (Channel Bandwidth 20 MHz)		2506.02-2679.99	18M0G7D	18M2G7D	18M2D7W	18M1D7W	18M2D7W
n41 SCS 30 kHz (Channel Bandwidth 40 MHz)		2516.01-2670.00	37M5G7D	37M8G7D	37M8D7W	37M8D7W	37M7D7W
n41 SCS 30 kHz (Channel Bandwidth 50 MHz)		2521.02-2664.99	47M0G7D	47M5G7D	47M4D7W	47M4D7W	47M4D7W
n41 SCS 30 kHz (Channel Bandwidth 60 MHz)		2526.00-2659.98	57M8G7D	57M6G7D	57M8D7W	57M7D7W	57M8D7W
n41 SCS 30 kHz (Channel Bandwidth 70 MHz)		2531.01-2655.00	66M8G7D	67M4G7D	67M3D7W	67M3D7W	67M2D7W
n41 SCS 30 kHz (Channel Bandwidth 80 MHz)		2536.02-2649.99	76M9G7D	77M2G7D	77M1D7W	77M2D7W	77M2D7W
n41 SCS 30 kHz (Channel Bandwidth 90 MHz)		2541.00-2644.98	86M7G7D	87M3G7D	87M1D7W	87M2D7W	87M4D7W
n41 SCS 30 kHz (Channel Bandwidth 100 MHz)		2546.01-2640.00	96M1G7D	97M2G7D	97M0D7W	97M1D7W	97M3D7W
n41 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC3	2501.01-2685.00	8M59G7D	8M58G7D	8M58D7W	8M58D7W	8M57D7W
n41 SCS 30 kHz (Channel Bandwidth 15 MHz)		2503.50-2682.48	13M4G7D	13M6G7D	13M6D7W	13M6D7W	13M6D7W
n41 SCS 30 kHz (Channel Bandwidth 20 MHz)		2506.02-2679.99	18M1G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n41 SCS 30 kHz (Channel Bandwidth 40 MHz)		2516.01-2670.00	37M3G7D	37M8G7D	37M8D7W	37M8D7W	37M8D7W
n41 SCS 30 kHz (Channel Bandwidth 50 MHz)		2521.02-2664.99	47M0G7D	47M4G7D	47M4D7W	47M4D7W	47M4D7W
n41 SCS 30 kHz (Channel Bandwidth 60 MHz)		2526.00-2659.98	57M7G7D	57M6G7D	57M7D7W	57M9D7W	57M7D7W
n41 SCS 30 kHz (Channel Bandwidth 70 MHz)		2531.01-2655.00	67M1G7D	67M2G7D	67M3D7W	67M3D7W	67M3D7W
n41 SCS 30 kHz (Channel Bandwidth 80 MHz)		2536.02-2649.99	76M9G7D	77M2G7D	77M2D7W	77M3D7W	77M2D7W
n41 SCS 30 kHz (Channel Bandwidth 90 MHz)		2541.00-2644.98	86M7G7D	87M3G7D	87M2D7W	87M2D7W	87M3D7W
n41 SCS 30 kHz (Channel Bandwidth 100 MHz)		2546.01-2640.00	96M6G7D	97M1G7D	96M9D7W	97M2D7W	97M2D7W

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator				
		BPSK	QPSK	16QAM	64QAM	256QAM
n66 SCS 15 kHz (Channel Bandwidth 5 MHz)	1712.5-1777.5	4M46G7D	4M46G7D	4M46D7W	4M47D7W	4M47D7W
n66 SCS 15 kHz (Channel Bandwidth 10 MHz)	1715.0-1775.0	9M17G7D	9M28G7D	9M25D7W	9M31D7W	9M29D7W
n66 SCS 15 kHz (Channel Bandwidth 15 MHz)	1717.5-1772.5	14M0G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
n66 SCS 15 kHz (Channel Bandwidth 20 MHz)	1720.0-1770.0	18M7G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W
n66 SCS 15 kHz (Channel Bandwidth 40 MHz)	1730.0-1760.0	38M5G7D	38M4G7D	38M5D7W	38M4D7W	38M4D7W
n71 SCS 15 kHz (Channel Bandwidth 5 MHz)	665.50-695.50	4M49G7D	4M49G7D	4M48D7W	4M50D7W	4M50D7W
n71 SCS 15 kHz (Channel Bandwidth 10 MHz)	668.00-693.00	9M22G7D	9M29G7D	9M29D7W	9M27D7W	9M28D7W
n71 SCS 15 kHz (Channel Bandwidth 15 MHz)	670.50-690.50	14M1G7D	14M1G7D	14M1D7W	14M0D7W	14M1D7W
n71 SCS 15 kHz (Channel Bandwidth 20 MHz)	673.00-688.00	18M9G7D	18M9G7D	18M8D7W	18M9D7W	18M8D7W

Band / Bandwidth		TX Frequency Range (MHz)	Emission Designator				
			BPSK	QPSK	16QAM	64QAM	256QAM
n77 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC2	3455.01-3544.98	8M55G7D	8M57G7D	8M57D7W	8M58D7W	8M57D7W
n77 SCS 30 kHz (Channel Bandwidth 15 MHz)		3457.50-3542.49	13M5G7D	13M5G7D	13M6D7W	13M6D7W	13M6D7W
n77 SCS 30 kHz (Channel Bandwidth 20 MHz)		3460.02-3540.00	18M0G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 SCS 30 kHz (Channel Bandwidth 30 MHz)		3465.00-3534.99	27M5G7D	27M7G7D	27M8D7W	27M8D7W	27M7D7W
n77 SCS 30 kHz (Channel Bandwidth 40 MHz)		3470.01-3529.98	37M4G7D	37M7G7D	37M7D7W	37M7D7W	37M8D7W
n77 SCS 30 kHz (Channel Bandwidth 50 MHz)		3475.02-3525.00	47M1G7D	47M4G7D	47M3D7W	47M4D7W	47M3D7W
n77 SCS 30 kHz (Channel Bandwidth 60 MHz)		3480.00-3519.99	57M7G7D	57M7G7D	57M6D7W	57M7D7W	57M7D7W
n77 SCS 30 kHz (Channel Bandwidth 70 MHz)		3485.01-3514.98	66M7G7D	67M5G7D	67M3D7W	67M2D7W	67M3D7W
n77 SCS 30 kHz (Channel Bandwidth 80 MHz)		3490.02-3510.00	77M1G7D	77M2G7D	77M4D7W	77M2D7W	77M2D7W
n77 SCS 30 kHz (Channel Bandwidth 90 MHz)		3495.00-3504.99	86M5G7D	87M1G7D	87M2D7W	87M2D7W	87M2D7W
n77 SCS 30 kHz (Channel Bandwidth 100 MHz)		3500.01	96M2G7D	97M1G7D	97M1D7W	97M1D7W	97M2D7W
n77 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC3	3455.01-3544.98	8M56G7D	8M55G7D	8M61D7W	8M58D7W	8M59D7W
n77 SCS 30 kHz (Channel Bandwidth 15 MHz)		3457.50-3542.49	13M6G7D	13M5G7D	13M5D7W	13M5D7W	13M6D7W
n77 SCS 30 kHz (Channel Bandwidth 20 MHz)		3460.02-3540.00	18M0G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 SCS 30 kHz (Channel Bandwidth 30 MHz)		3465.00-3534.99	27M6G7D	27M8G7D	27M8D7W	27M8D7W	27M8D7W
n77 SCS 30 kHz (Channel Bandwidth 40 MHz)		3470.01-3529.98	37M4G7D	37M7G7D	37M8D7W	37M7D7W	37M8D7W
n77 SCS 30 kHz (Channel Bandwidth 50 MHz)		3475.02-3525.00	46M9G7D	47M6G7D	47M4D7W	47M4D7W	47M3D7W
n77 SCS 30 kHz (Channel Bandwidth 60 MHz)		3480.00-3519.99	57M6G7D	57M7G7D	57M6D7W	57M7D7W	57M7D7W
n77 SCS 30 kHz (Channel Bandwidth 70 MHz)		3485.01-3514.98	66M7G7D	67M4G7D	67M4D7W	67M3D7W	67M3D7W
n77 SCS 30 kHz (Channel Bandwidth 80 MHz)		3490.02-3510.00	77M1G7D	77M2G7D	77M3D7W	77M3D7W	77M2D7W
n77 SCS 30 kHz (Channel Bandwidth 90 MHz)		3495.00-3504.99	86M8G7D	87M2G7D	87M1D7W	87M1D7W	87M1D7W
n77 SCS 30 kHz (Channel Bandwidth 100 MHz)		3500.01	96M3G7D	96M8G7D	96M9D7W	97M1D7W	97M2D7W

Band / Bandwidth		TX Frequency Range (MHz)	Emission Designator				
			BPSK	QPSK	16QAM	64QAM	256QAM
n77 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC2	3705.00-3975.00	8M54G7D	8M58G7D	8M57D7W	8M57D7W	8M57D7W
n77 SCS 30 kHz (Channel Bandwidth 15 MHz)		3707.52-3972.48	13M5G7D	13M5G7D	13M6D7W	13M5D7W	13M6D7W
n77 SCS 30 kHz (Channel Bandwidth 20 MHz)		3710.01-3969.99	18M0G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 SCS 30 kHz (Channel Bandwidth 30 MHz)		3715.02-3964.98	27M5G7D	27M7G7D	27M8D7W	27M8D7W	27M7D7W
n77 SCS 30 kHz (Channel Bandwidth 40 MHz)		3720.00-3960.00	37M4G7D	37M7G7D	37M7D7W	37M7D7W	37M8D7W
n77 SCS 30 kHz (Channel Bandwidth 50 MHz)		3725.01-3954.99	47M0G7D	47M4G7D	47M3D7W	47M4D7W	47M3D7W
n77 SCS 30 kHz (Channel Bandwidth 60 MHz)		3730.02-3949.98	57M7G7D	57M6G7D	57M7D7W	57M7D7W	57M7D7W
n77 SCS 30 kHz (Channel Bandwidth 70 MHz)		3735.00-3945.00	66M4G7D	67M4G7D	67M3D7W	67M3D7W	67M3D7W
n77 SCS 30 kHz (Channel Bandwidth 80 MHz)		3740.01-3939.99	77M1G7D	77M2G7D	77M5D7W	77M2D7W	77M2D7W
n77 SCS 30 kHz (Channel Bandwidth 90 MHz)		3745.02-3934.98	86M6G7D	87M1G7D	87M2D7W	87M2D7W	87M2D7W
n77 SCS 30 kHz (Channel Bandwidth 100 MHz)		3750.00-3930.00	96M2G7D	97M1G7D	97M2D7W	97M0D7W	97M1D7W
n77 SCS 30 kHz (Channel Bandwidth 10 MHz)	PC3	3705.00-3975.00	8M56G7D	8M56G7D	8M58D7W	8M59D7W	8M57D7W
n77 SCS 30 kHz (Channel Bandwidth 15 MHz)		3707.52-3972.48	13M5G7D	13M6G7D	13M6D7W	13M6D7W	13M6D7W
n77 SCS 30 kHz (Channel Bandwidth 20 MHz)		3710.01-3969.99	18M0G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 SCS 30 kHz (Channel Bandwidth 30 MHz)		3715.02-3964.98	27M6G7D	27M8G7D	27M8D7W	27M8D7W	27M8D7W
n77 SCS 30 kHz (Channel Bandwidth 40 MHz)		3720.00-3960.00	37M4G7D	37M7G7D	37M8D7W	37M7D7W	37M8D7W
n77 SCS 30 kHz (Channel Bandwidth 50 MHz)		3725.01-3954.99	47M0G7D	47M4G7D	47M3D7W	47M4D7W	47M4D7W
n77 SCS 30 kHz (Channel Bandwidth 60 MHz)		3730.02-3949.98	57M6G7D	57M7G7D	57M6D7W	57M7D7W	57M7D7W
n77 SCS 30 kHz (Channel Bandwidth 70 MHz)		3735.00-3945.00	66M8G7D	67M4G7D	67M3D7W	67M3D7W	67M2D7W
n77 SCS 30 kHz (Channel Bandwidth 80 MHz)		3740.01-3939.99	77M2G7D	77M2G7D	77M2D7W	77M3D7W	77M3D7W
n77 SCS 30 kHz (Channel Bandwidth 90 MHz)		3745.02-3934.98	86M9G7D	87M3G7D	87M1D7W	87M3D7W	87M2D7W
n77 SCS 30 kHz (Channel Bandwidth 100 MHz)		3750.00-3930.00	96M4G7D	97M1G7D	97M0D7W	97M3D7W	97M2D7W

3. 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 Type	Dipole
Antenna Connector	SMA
Band	Gain (dBi)
n2	2.03
n5	2.63
n7	2.26
n41	2.26
n66	2.03
n71	1.63
n77	2.62
n78	2.62

*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.
*The EUT support 1TX/4RX.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. 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. 2. The EUT's MCU, PMIC, Crystal, EMMC component will with shielding case or without shielding case. The EUT's RF component will always cover in the shielding case.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis 2. With shielding case or without shielding case (only MCU, PMIC, Crystal, EMMC component): With shielding case was chosen for final test; without shielding case (only MCU, PMIC, Crystal, EMMC component) was perform the radiated spurious emissions test only.

For NR n2 SCS 15 kHz

Without shielding case (only MCU, PMIC, Crystal, EMMC component)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	370500 (1852.50 MHz) 376000 (1880.00 MHz) 381500 (1907.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	371000 (1855.00 MHz) 376000 (1880.00 MHz) 381000 (1905.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	371500 (1857.50 MHz) 376000 (1880.00 MHz) 380500 (1902.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	372000 (1860.00 MHz) 376000 (1880.00 MHz) 380000 (1900.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	376000 (1880.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	370500 (1852.50 MHz) 376000 (1880.00 MHz) 381500 (1907.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	371000 (1855.00 MHz) 376000 (1880.00 MHz) 381000 (1905.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	371500 (1857.50 MHz) 376000 (1880.00 MHz) 380500 (1902.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	372000 (1860.00 MHz) 376000 (1880.00 MHz) 380000 (1900.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	370500 (1852.50 MHz) 376000 (1880.00 MHz) 381500 (1907.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	371000 (1855.00 MHz) 376000 (1880.00 MHz) 381000 (1905.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	371500 (1857.50 MHz) 376000 (1880.00 MHz) 380500 (1902.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	372000 (1860.00 MHz) 376000 (1880.00 MHz) 380000 (1900.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Emission	370500 (1852.50 MHz) 376000 (1880.00 MHz) 381500 (1907.50 MHz)	5 MHz	BPSK	1 RB Full RB
	371000 (1855.00 MHz) 376000 (1880.00 MHz) 381000 (1905.00 MHz)	10 MHz	BPSK	1 RB Full RB
	371500 (1857.50 MHz) 376000 (1880.00 MHz) 380500 (1902.50 MHz)	15 MHz	BPSK	1 RB Full RB
	372000 (1860.00 MHz) 376000 (1880.00 MHz) 380000 (1900.00 MHz)	20 MHz	BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	376000 (1880.00 MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	370500 (1852.50 MHz) 376000 (1880.00 MHz) 381500 (1907.50 MHz)	5 MHz	BPSK	1 RB
	372000 (1860.00 MHz) 376000 (1880.00 MHz) 380000 (1900.00 MHz)	20 MHz	BPSK	1 RB
Frequency Stability	370500 (1852.50 MHz) 381500 (1907.50 MHz)	5 MHz	BPSK	Full RB
	371000 (1855.00 MHz) 381000 (1905.00 MHz)	10 MHz	BPSK	Full RB
	371500 (1857.50 MHz) 380500 (1902.50 MHz)	15 MHz	BPSK	Full RB
	372000 (1860.00 MHz) 380000 (1900.00 MHz)	20 MHz	BPSK	Full RB

With shielding case

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	376000 (1880.00 MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	370500 (1852.50 MHz) 376000 (1880.00 MHz) 381500 (1907.50 MHz)	5 MHz	BPSK	1 RB
	372000 (1860.00 MHz) 376000 (1880.00 MHz) 380000 (1900.00 MHz)	20 MHz	BPSK	1 RB

For NR n5 SCS 15 kHz

Without shielding case (only MCU, PMIC, Crystal, EMMC component)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	165800 (829.00 MHz) 167300 (836.50 MHz) 168800 (844.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	166300 (831.50 MHz) 167300 (836.50 MHz) 168300 (841.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	167300 (836.50 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	165800 (829.00 MHz) 167300 (836.50 MHz) 168800 (844.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	166300 (831.50 MHz) 167300 (836.50 MHz) 168300 (841.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Occupied Bandwidth	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	165800 (829.00 MHz) 167300 (836.50 MHz) 168800 (844.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	166300 (831.50 MHz) 167300 (836.50 MHz) 168300 (841.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	BPSK	1 RB Full RB
	165800 (829.00 MHz) 167300 (836.50 MHz) 168800 (844.00 MHz)	10 MHz	BPSK	1 RB Full RB
	166300 (831.50 MHz) 167300 (836.50 MHz) 168300 (841.50 MHz)	15 MHz	BPSK	1 RB Full RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	167300 (836.50 MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	BPSK	1 RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	BPSK	1 RB
Frequency Stability	165300 (826.50 MHz) 169300 (846.50 MHz)	5 MHz	BPSK	Full RB
	165800 (829.00 MHz) 168800 (844.00 MHz)	10 MHz	BPSK	Full RB
	166300 (831.50 MHz) 168300 (841.50 MHz)	15 MHz	BPSK	Full RB
	166800 (834.00 MHz) 167800 (839.00 MHz)	20 MHz	BPSK	Full RB

With shielding case

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	167300 (836.50 MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	BPSK	1 RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	BPSK	1 RB

For NR n7 SCS 15 kHz

Without shielding case (only MCU, PMIC, Crystal, EMMC component)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	500500 (2502.5MHz) 507000 (2535.0MHz) 513500 (2567.5MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	501000 (2505.0MHz) 507000 (2535.0MHz) 513000 (2565.0MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	501500 (2507.5MHz) 507000 (2535.0MHz) 512500 (2562.5MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	502000 (2510.0MHz) 507000 (2535.0MHz) 512000 (2560.0MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	507000 (2535.0MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	500500 (2502.5MHz) 507000 (2535.0MHz) 513500 (2567.5MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	501000 (2505.0MHz) 507000 (2535.0MHz) 513000 (2565.0MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	501500 (2507.5MHz) 507000 (2535.0MHz) 512500 (2562.5MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	502000 (2510.0MHz) 507000 (2535.0MHz) 512000 (2560.0MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Occupied Bandwidth	500500 (2502.5MHz) 507000 (2535.0MHz) 513500 (2567.5MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	501000 (2505.0MHz) 507000 (2535.0MHz) 513000 (2565.0MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	501500 (2507.5MHz) 507000 (2535.0MHz) 512500 (2562.5MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	502000 (2510.0MHz) 507000 (2535.0MHz) 512000 (2560.0MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	500500 (2502.5MHz) 507000 (2535.0MHz) 513500 (2567.5MHz)	5 MHz	BPSK	1 RB Full RB
	501000 (2505.0MHz) 507000 (2535.0MHz) 513000 (2565.0MHz)	10 MHz	BPSK	1 RB Full RB
	501500 (2507.5MHz) 507000 (2535.0MHz) 512500 (2562.5MHz)	15 MHz	BPSK	1 RB Full RB
	502000 (2510.0MHz) 507000 (2535.0MHz) 512000 (2560.0MHz)	20 MHz	BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	507000 (2535.0MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	500500 (2502.5MHz) 507000 (2535.0MHz) 513500 (2567.5MHz)	5 MHz	BPSK	1 RB
	502000 (2510.0MHz) 507000 (2535.0MHz) 512000 (2560.0MHz)	20 MHz	BPSK	1 RB
Frequency Stability	500500 (2502.5MHz) 513500 (2567.5MHz)	5 MHz	BPSK	Full RB
	501000 (2505.0MHz) 513000 (2565.0MHz)	10 MHz	BPSK	Full RB
	501500 (2507.5MHz) 512500 (2562.5MHz)	15 MHz	BPSK	Full RB
	502000 (2510.0MHz) 512000 (2560.0MHz)	20 MHz	BPSK	Full RB

With shielding case

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	507000 (2535.0MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	500500 (2502.5MHz) 507000 (2535.0MHz) 513500 (2567.5MHz)	5 MHz	BPSK	1 RB
	502000 (2510.0MHz) 507000 (2535.0MHz) 512000 (2560.0MHz)	20 MHz	BPSK	1 RB

For NR n41 SCS 30 kHz

Without shielding case (only MCU, PMIC, Crystal, EMMC component)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	500202 (2501.01 MHz) 518598 (2592.99 MHz) 537000 (2685.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	500700 (2503.50 MHz) 518598 (2592.99 MHz) 536496 (2682.48 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	518598 (2592.99 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	500202 (2501.01 MHz) 518598 (2592.99 MHz) 537000 (2685.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	500700 (2503.50 MHz) 518598 (2592.99 MHz) 536496 (2682.48 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	500202 (2501.01 MHz) 518598 (2592.99 MHz) 537000 (2685.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	500700 (2503.50 MHz) 518598 (2592.99 MHz) 536496 (2682.48 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	500202 (2501.01 MHz) 518598 (2592.99 MHz) 537000 (2685.00 MHz)	10 MHz	BPSK	1 RB Full RB
	500700 (2503.50 MHz) 518598 (2592.99 MHz) 536496 (2682.48 MHz)	15 MHz	BPSK	1 RB Full RB
	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK	1 RB Full RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK	1 RB Full RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK	1 RB Full RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK	1 RB Full RB
	506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	BPSK	1 RB Full RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK	1 RB Full RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK	1 RB Full RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	518598 (2592.99 MHz)	100 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	500202 (2501.01 MHz) 518598 (2592.99 MHz) 537000 (2685.00 MHz)	10 MHz	BPSK	1 RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK	1 RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	500202 (2501.01 MHz) 537000 (2685.00 MHz)	10 MHz	BPSK	Full RB
	500700 (2503.50 MHz) 536496 (2682.48 MHz)	15 MHz	BPSK	Full RB
	501204 (2506.02 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK	Full RB
	503202 (2516.01 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK	Full RB
	504204 (2521.02 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK	Full RB
	505200 (2526.00 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK	Full RB
	506202 (2531.01 MHz) 531000 (2655.00 MHz)	70 MHz	BPSK	Full RB
	507204 (2536.02 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK	Full RB
	508200 (2541.00 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK	Full RB
	509202 (2546.01 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK	Full RB

With shielding case

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz for PC2	509202 (2546.01 MHz)	100 MHz	BPSK	1 RB
Radiated Spurious Emissions below 1GHz for PC3	518598 (2592.99 MHz)	100 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	500202 (2501.01 MHz) 518598 (2592.99 MHz) 537000 (2685.00 MHz)	10 MHz	BPSK	1 RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK	1 RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK	1 RB

For NR n66 SCS 15 kHz

Without shielding case (only MCU, PMIC, Crystal, EMMC component)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	346000 (1730.00 MHz) 349000 (1745.00 MHz) 352000 (1760.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	349000 (1745.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	346000 (1730.00 MHz) 349000 (1745.00 MHz) 352000 (1760.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	346000 (1730.00 MHz) 349000 (1745.00 MHz) 352000 (1760.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Emission	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK	1 RB Full RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK	1 RB Full RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK	1 RB Full RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK	1 RB Full RB
	346000 (1730.00 MHz) 349000 (1745.00 MHz) 352000 (1760.00 MHz)	40 MHz	BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	349000 (1745.00 MHz)	40 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK	1 RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK	1 RB
	346000 (1730.00 MHz) 349000 (1745.00 MHz) 352000 (1760.00 MHz)	40 MHz	BPSK	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	342500 (1712.50 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK	Full RB
	343000 (1715.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK	Full RB
	343500 (1717.50 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK	Full RB
	344000 (1720.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK	Full RB
	346000 (1730.00 MHz) 352000 (1760.00 MHz)	40 MHz	BPSK	Full RB

With shielding case

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	349000 (1745.00 MHz)	40 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK	1 RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK	1 RB
	346000 (1730.00 MHz) 349000 (1745.00 MHz) 352000 (1760.00 MHz)	40 MHz	BPSK	1 RB

For NR n71 SCS 15 kHz

Without shielding case (only MCU, PMIC, Crystal, EMMC component)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	133100 (665.50 MHz) 136100 (680.50 MHz) 139100 (695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133600 (668.00 MHz) 136100 (680.50 MHz) 138600 (693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	134100 (670.50 MHz) 136100 (680.50 MHz) 138100 (690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	134600 (673.00 MHz) 136100 (680.50 MHz) 137600 (688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	136100 (680.50 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Occupied Bandwidth	133100 (665.50 MHz) 136100 (680.50 MHz) 139100 (695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133600 (668.00 MHz) 136100 (680.50 MHz) 138600 (693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	134100 (670.50 MHz) 136100 (680.50 MHz) 138100 (690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	134600 (673.00 MHz) 136100 (680.50 MHz) 137600 (688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	133100 (665.50 MHz) 136100 (680.50 MHz) 139100 (695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133600 (668.00 MHz) 136100 (680.50 MHz) 138600 (693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	134100 (670.50 MHz) 136100 (680.50 MHz) 138100 (690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	134600 (673.00 MHz) 136100 (680.50 MHz) 137600 (688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	133100 (665.50 MHz) 136100 (680.50 MHz) 139100 (695.50 MHz)	5 MHz	BPSK	1 RB Full RB
	133600 (668.00 MHz) 136100 (680.50 MHz) 138600 (693.00 MHz)	10 MHz	BPSK	1 RB Full RB
	134100 (670.50 MHz) 136100 (680.50 MHz) 138100 (690.50 MHz)	15 MHz	BPSK	1 RB Full RB
	134600 (673.00 MHz) 136100 (680.50 MHz) 137600 (688.00 MHz)	20 MHz	BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	136100 (680.50 MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	133100 (665.50 MHz) 136100 (680.50 MHz) 139100 (695.50 MHz)	5 MHz	BPSK	1 RB
	134600 (673.00 MHz) 136100 (680.50 MHz) 137600 (688.00 MHz)	20 MHz	BPSK	1 RB
Frequency Stability	133100 (665.50 MHz) 139100 (695.50 MHz)	5 MHz	BPSK	Full RB
	133600 (668.00 MHz) 138600 (693.00 MHz)	10 MHz	BPSK	Full RB
	134100 (670.50 MHz) 138100 (690.50 MHz)	15 MHz	BPSK	Full RB
	134600 (673.00 MHz) 137600 (688.00 MHz)	20 MHz	BPSK	Full RB

With shielding case

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	136100 (680.50 MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	133100 (665.50 MHz) 136100 (680.50 MHz) 139100 (695.50 MHz)	5 MHz	BPSK	1 RB
	134600 (673.00 MHz) 136100 (680.50 MHz) 137600 (688.00 MHz)	20 MHz	BPSK	1 RB

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

Without shielding case (only MCU, PMIC, Crystal, EMMC component)

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

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

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

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

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

With shielding case

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz for PC2	636332 (3544.98 MHz)	10 MHz	BPSK	1 RB
Radiated Spurious Emissions below 1GHz for PC3	633334 (3500.01 MHz)	100 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	630334 (3455.01 MHz) 633334 (3500.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK	1 RB
	631668 (3475.02 MHz) 633334 (3500.01 MHz) 635000 (3525.00 MHz)	50 MHz	BPSK	1 RB
	633334 (3500.01 MHz)	100 MHz	BPSK	1 RB

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

Without shielding case (only MCU, PMIC, Crystal, EMMC component)

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) 665666 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	647000 (3705.00 MHz) 656000 (3840.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647168 (3707.52 MHz) 656000 (3840.00 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 665666 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	647000 (3705.00 MHz) 656000 (3840.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647168 (3707.52 MHz) 656000 (3840.00 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 665666 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	647000 (3705.00 MHz) 656000 (3840.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK	1 RB Full RB
	647168 (3707.52 MHz) 656000 (3840.00 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK	1 RB Full RB
	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK	1 RB Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 665666 (3964.98 MHz)	30 MHz	BPSK	1 RB Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK	1 RB Full RB
	648334 (3725.01 MHz) 656000 (3840.00 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK	1 RB Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK	1 RB Full RB
	649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK	1 RB Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK	1 RB Full RB
	649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK	1 RB Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz for PC2	665000 (3975.00 MHz)	10 MHz	BPSK	1 RB
Radiated Spurious Emissions below 1GHz for PC3	656000 (3840.00 MHz)	100 MHz	BPSK	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions 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
Frequency Stability	647000 (3705.00 MHz) 665000 (3975.00 MHz)	10 MHz	BPSK	Full RB
	647168 (3707.52 MHz) 664832 (3972.48 MHz)	15 MHz	BPSK	Full RB
	647334 (3710.01 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK	Full RB
	647668 (3715.02 MHz) 665666 (3964.98 MHz)	30 MHz	BPSK	Full RB
	648000 (3720.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK	Full RB
	648334 (3725.01 MHz) 663666 (3954.99 MHz)	50 MHz	BPSK	Full RB
	648668 (3730.02 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK	Full RB
	649000 (3735.00 MHz) 663000 (3945.00 MHz)	70 MHz	BPSK	Full RB
	649334 (3740.01 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK	Full RB
	649668 (3745.02 MHz) 662332 (3934.98 MHz)	90 MHz	BPSK	Full RB
	650000 (3750.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK	Full RB

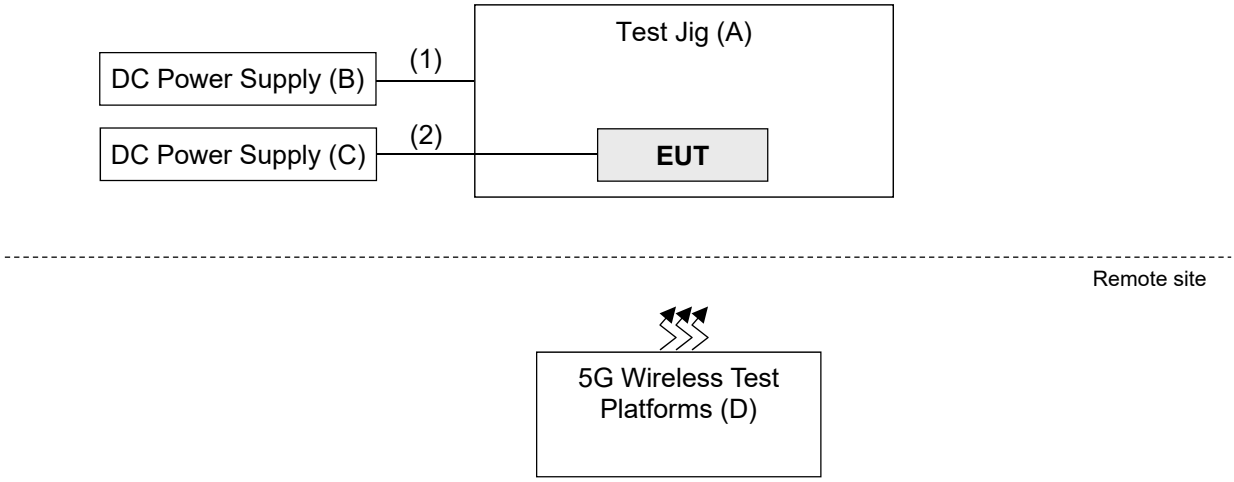
With shielding case

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz for PC2	665000 (3975.00 MHz)	10 MHz	BPSK	1 RB
Radiated Spurious Emissions below 1GHz for PC3	656000 (3840.00 MHz)	100 MHz	BPSK	1 RB
Radiated Spurious Emissions 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	Test Jig	N/A	N/A	N/A	N/A	Supplied by applicant
B	DC Power Supply	JIN YIH Technology	SP3051	N/A	N/A	Provided by Lab
C	DC Power Supply	JIN YIH Technology	SP3051	N/A	N/A	Provided by Lab
D	5G Wireless Test Platforms	Keysight	E7515B	MY60102114	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	2	N	0	Provided by Lab
2	DC Cable	1	3	N	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
PXA Signal Analyzer Keysight	N9030B	MY57140488	2023/3/6 2024/3/6	2024/3/5 2025/3/5
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2023/5/18	2024/5/17
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: 2023/9/1 ~ 2024/3/10

4.2 Modulation Characteristics

Refer to section 4.1 to get information of the instruments.

4.3 Peak to Average Ratio

Refer to section 4.1 to get information of the instruments.

4.4 Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Conducted Spurious Emissions

Refer to section 4.1 to get information of the instruments.

4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-472	2022/10/21 2023/10/16	2023/10/20 2024/10/15
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/1/3 2023/12/28	2024/1/2 2024/12/27
Loop Antenna Electro-Metrics	EM-6879	269	2022/9/19 2023/9/23	2023/9/18 2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Preamplifier EMCI	EMC 330H	980112	2022/10/1 2023/9/27	2023/9/30 2024/9/26
	EMC001340	980201	2022/9/23 2023/9/27	2023/9/22 2024/9/26
RF Coaxial Cable EMCI	5D-NM-BM	140901	2022/10/1 2023/9/27	2023/9/30 2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-Ch10-01	2022/10/1 2023/9/27	2023/9/30 2024/9/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
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

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2023/9/6 ~ 2024/3/10

4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	7	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/1/3 2023/12/28	2024/1/2 2024/12/27
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-969	2022/11/13 2023/11/12	2023/11/12 2024/11/11
	BBHA 9170	148	2022/11/13 2023/11/12	2023/11/12 2024/11/11
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Notch Filter Micro-Tronics	BRM17690	005	2023/6/13	2024/6/12
	BRM50716	060	2023/1/11 2023/12/25	2024/1/10 2024/12/24
Preamplifier EMCI	EMC 012645	980115	2022/10/1 2023/9/27	2023/9/30 2024/9/26
	EMC 184045	980116	2022/10/1 2023/9/27	2023/9/30 2024/9/26
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
	EMC104-SM-SM-8000+3000	171005	2022/10/1 2023/9/27	2023/9/30 2024/9/26
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	EMC104-SM-SM-1000(140807)	2022/10/1 2023/9/27	2023/9/30 2024/9/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
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

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2023/8/30 ~ 2024/3/10

4.8 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply JIN YIH Technology	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2023/7/6	2024/7/5
Signal and spectrum analyzer R&S	FSV3044	101105	2023/2/22	2024/2/21
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/12/27	2023/12/26
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2023/5/18	2024/5/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/9/1 ~ 2023/11/21

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For NR n2:

Mobile and portable stations are limited to 2 watts EIRP.

For NR n5:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

For NR n7, NR n41:

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

For NR n66:

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

For NR n71:

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

For NR n77 (3450-3550 MHz):

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

For NR n77 (3700-3980 MHz):

Mobile and portable stations are limited to 1 Watt EIRP.

5.2 Modulation Characteristics

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

5.3 Peak to Average Ratio

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

5.4 Bandwidth

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

5.5 Conducted Spurious Emissions

For NR n2, NR n5:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13 dBm.

For NR n7, NR n41:

According to FCC 47 CFR part 27.53(m)(4) regulations, any transmit power outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed.

For NR n66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log (P) dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

For NR n71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

For NR n77 (3450-3550 MHz):

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

For NR n77 (3700-3980 MHz):

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

5.6 Radiated Spurious Emissions below 1GHz

For NR n2, NR n5:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13 dBm.

For NR n7, NR n41:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least 55 + 10 log (P) dB. The emission limit equal to –25 dBm.

For NR n66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log (P) dB. The limit of emission is equal to -13 dBm.

For NR n71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. The limit of emissions is equal to -13 dBm.

For NR n77 (3450-3550 MHz):

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

For NR n77 (3700-3980 MHz):

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

5.7 Radiated Spurious Emissions above 1GHz

For NR n2, NR n5:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13 dBm.

For NR n7, NR n41:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least 55 + 10 log (P) dB. The emission limit equal to –25 dBm.

For NR n66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log (P) dB. The limit of emission is equal to -13 dBm.

For NR n71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. The limit of emissions is equal to -13 dBm.

For NR n77 (3450-3550 MHz):

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

For NR n77 (3700-3980 MHz):

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

5.8 Frequency Stability

For NR n5:

1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

For NR n2, NR n7, NR n41, NR n66, NR n71, NR n77 (3450-3550 MHz), NR n77 (3700-3980 MHz):

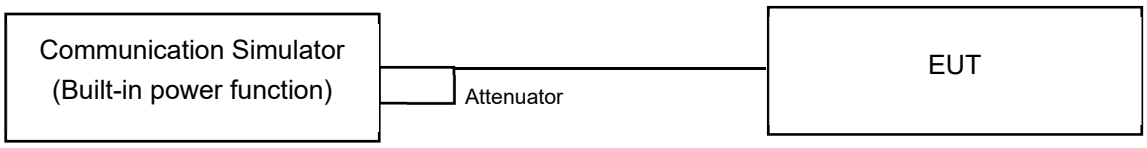
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation (authorized frequency block).

6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

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

Maximum EIRP / ERP

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

$EIRP = P_{Meas} + G_T$

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

where

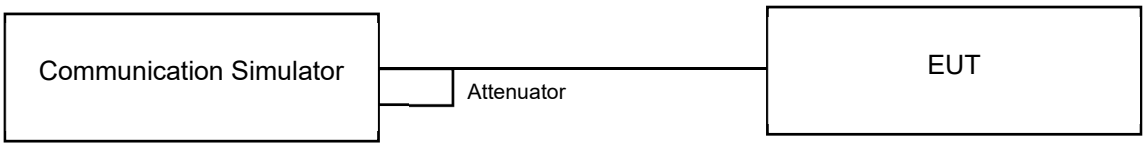
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

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

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

6.2 Modulation Characteristics

6.2.1 Test Setup

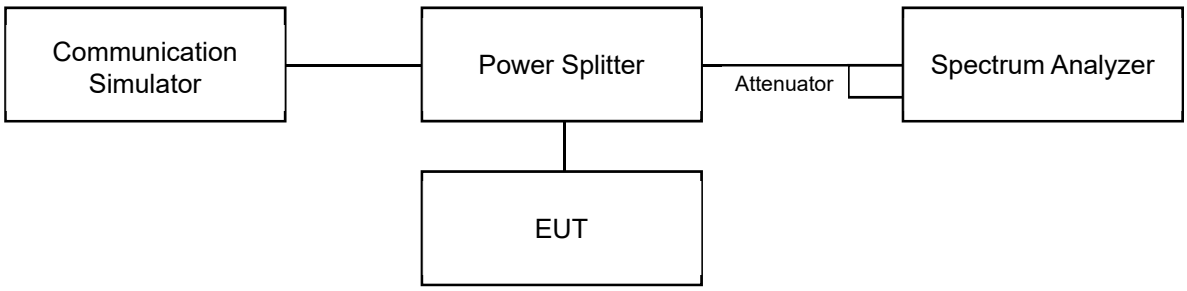


6.2.2 Test Procedure

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

6.3 Peak to Average Ratio

6.3.1 Test Setup

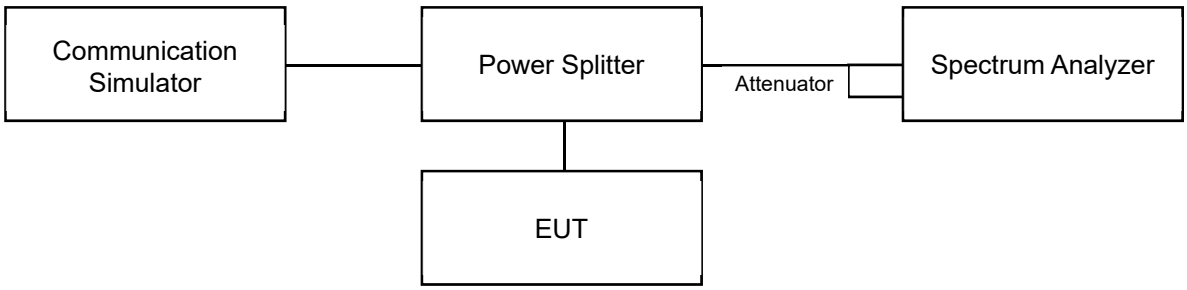


6.3.2 Test Procedure

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

6.4 Bandwidth

6.4.1 Test Setup



6.4.2 Test Procedure

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

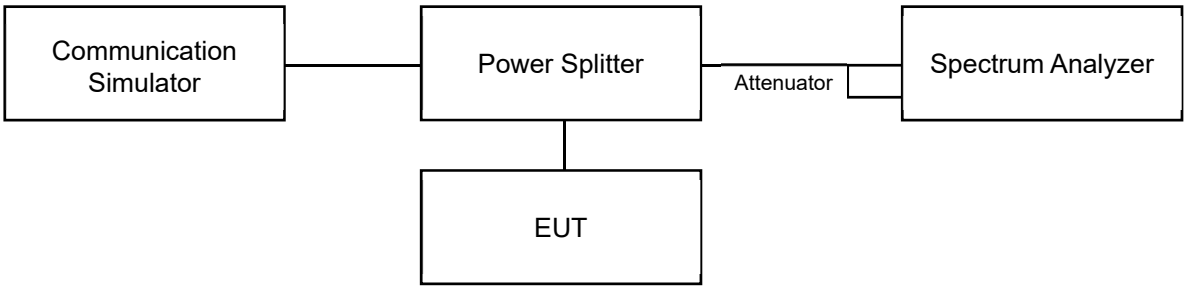
a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and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

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

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

6.5 Conducted Spurious Emissions

6.5.1 Test Setup



6.5.2 Test Procedure

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

For Emission Mask:

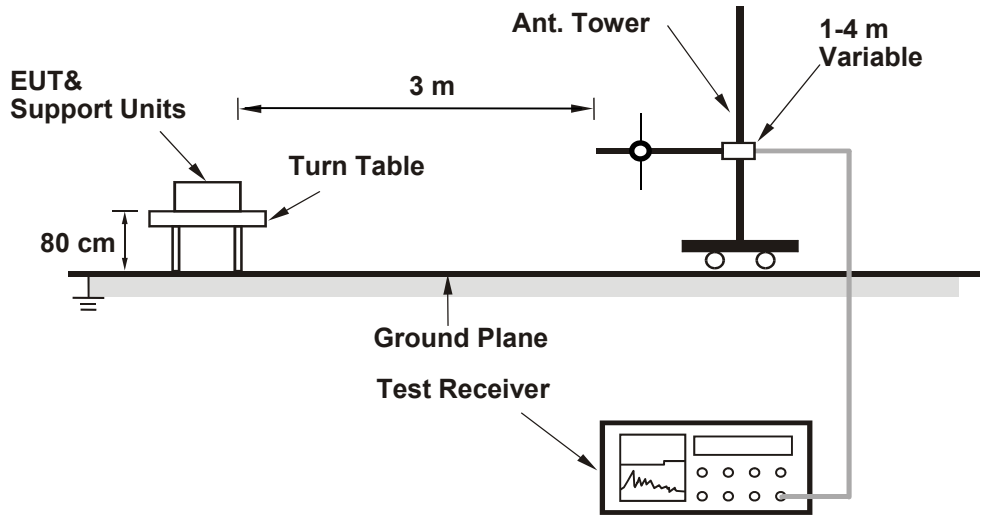
a. Measurement refer to ANSI C63.26 section 5.7.
b. All measurements were done at 2 channels: low and high operational frequency range.
c. Accoding to FCC 47 CFR part 90.691(a), the spectrum set RBW = 300 Hz for offset less than 37.5 kHz from channel edge and RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.
d. For some channel BW modes, compliance is demonstrated via integration with a smaller RBW as permitted by the rules.

   e.g. Where Reference RBW = 1 MHz and a smaller RBW = 100 kHz is used, worst-case integrated BW power = [Max Measured Value (dBm) with RBW=100kHz] + 10log(1000/100). To compensate for this integration before comparison to the limit, the limit line was reduced by 10 dB accordingly.
e. Record the maximum power value test plot.

6.6 Radiated Spurious Emissions below 1GHz

6.6.1 Test Setup

For radiated emission 30 MHz to 1 GHz



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

6.6.2 Test Procedure

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

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

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

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

d. Following ANSI C63.26 section 5.5 and 5.2.7

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

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

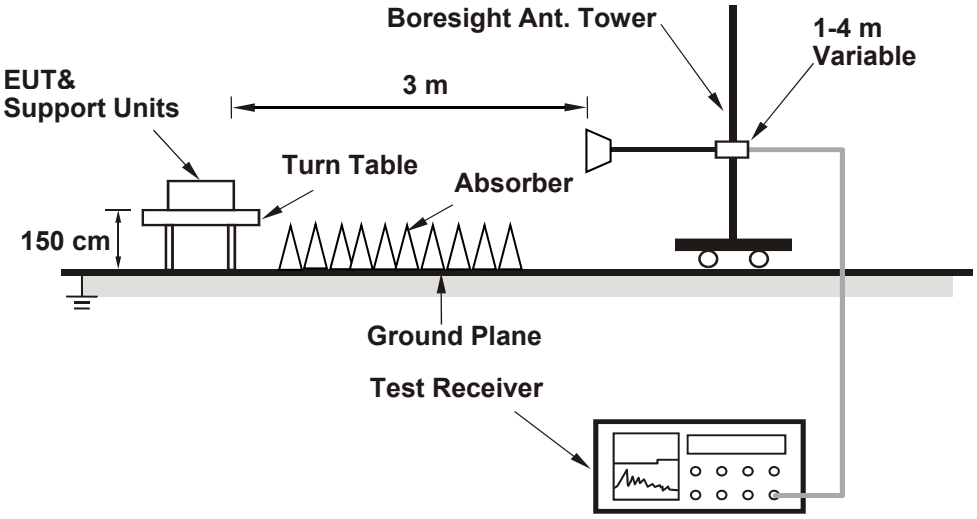
Note:

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

6.7 Radiated Spurious Emissions above 1GHz

6.7.1 Test Setup

For radiated emission above 1 GHz



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

6.7.2 Test Procedure

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

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

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

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

d. Following ANSI C63.26 section 5.5 and 5.2.7

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

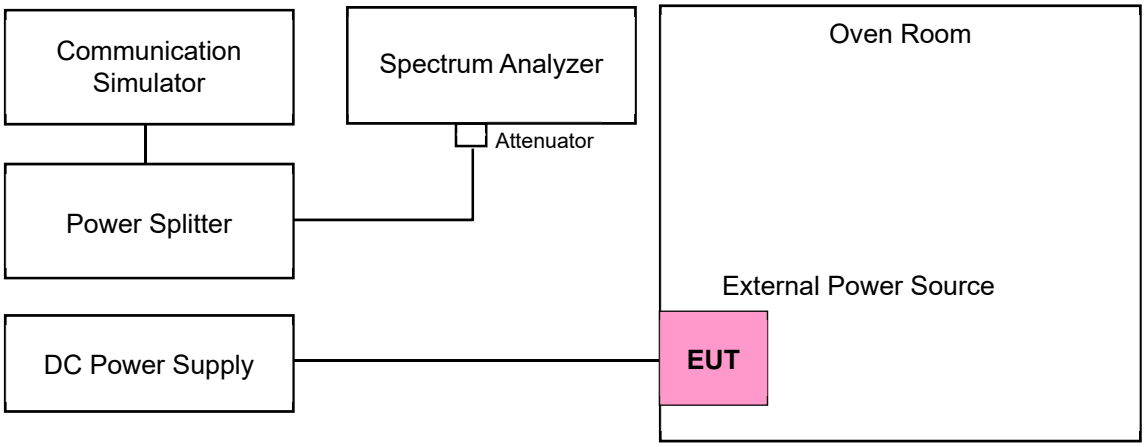
f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

Note:

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

6.8 Frequency Stability

6.8.1 Test Setup



6.8.2 Test Procedure

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

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

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

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

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

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	4.7 Vdc	Environmental Conditions:	22°C, 73% RH	Tested By:	Willy Cheng

7.1.1 NR n2 SCS 15 kHz

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376000	380000
		Frequency (MHz)		1860	1880	1900
20M	DFT-S PI/2 BPSK	1	1	23.66	23.96	23.82
		1	53	23.48	23.68	23.63
		1	104	23.40	23.57	23.45
		50	0	23.33	23.43	23.32
		50	28	23.71	23.70	23.76
		50	56	23.14	23.24	23.17
		100	0	23.18	23.31	23.11
	DFT-S QPSK	1	1	23.28	23.33	23.27
		1	53	23.56	23.66	23.57
		1	104	23.36	23.48	23.51
		50	0	22.13	22.17	22.20
		50	28	22.99	23.14	23.02
		50	56	22.28	22.43	22.21
		100	0	22.44	22.59	22.49
	DFT-S 16QAM	1	1	22.30	22.35	22.25
	DFT-S 64QAM	1	1	21.15	21.24	21.12
	DFT-S 256QAM	1	1	18.91	19.04	18.91
	CP QPSK	1	1	21.78	22.01	21.85

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5
15M	DFT-S PI/2 BPSK	1	1	23.44	23.56	23.58
		1	40	23.56	23.70	23.62
		1	77	23.67	23.79	23.71
		36	0	23.18	23.31	23.24
		36	22	23.74	23.71	23.76
		36	43	23.36	23.42	23.35
		75	0	23.49	23.54	23.48
	DFT-S QPSK	1	1	23.48	23.58	23.46
		1	40	23.33	23.38	23.36
		1	77	23.56	23.66	23.57
		36	0	22.66	22.79	22.67
		36	22	23.71	23.70	23.75
		36	43	22.75	22.86	22.77
		75	0	22.79	22.86	22.67
	DFT-S 16QAM	1	1	22.41	22.47	22.42
	DFT-S 64QAM	1	1	21.16	21.31	21.15
	DFT-S 256QAM	1	1	18.93	19.07	18.98
	CP QPSK	1	1	22.19	22.24	22.19

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10M	DFT-S PI/2 BPSK	1	1	23.63	23.76	23.58
		1	26	23.55	23.75	23.66
		1	50	23.57	23.70	23.59
		25	0	23.16	23.18	23.05
		25	14	23.63	23.72	23.58
		25	27	23.28	23.28	23.17
		50	0	23.17	23.23	23.25
	DFT-S QPSK	1	1	23.49	23.57	23.53
		1	26	22.81	22.91	22.76
		1	50	23.73	23.82	23.72
		25	0	22.76	22.75	22.66
		25	14	23.83	23.88	23.93
		25	27	22.84	22.84	22.77
		50	0	22.77	22.89	22.85
	DFT-S 16QAM	1	1	22.38	22.59	22.48
	DFT-S 64QAM	1	1	21.34	21.35	21.20
	DFT-S 256QAM	1	1	19.29	19.41	19.38
	CP QPSK	1	1	22.14	22.21	22.11

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		370500	376000	381500
		Frequency (MHz)		1852.5	1880	1907.5
5M	DFT-S PI/2 BPSK	1	1	23.76	23.79	23.87
		1	13	23.60	23.71	23.57
		1	23	23.65	23.70	23.63
		12	0	23.26	23.39	23.32
		12	7	23.79	23.81	23.78
		12	13	23.18	23.25	23.11
		25	0	23.32	23.36	23.25
	DFT-S QPSK	1	1	23.67	23.76	23.64
		1	13	23.58	23.77	23.61
		1	23	23.64	23.70	23.72
		12	0	22.84	22.90	22.77
		12	7	22.69	22.82	22.70
		12	13	22.82	22.84	22.73
		25	0	22.89	22.91	22.74
	DFT-S 16QAM	1	1	22.96	22.98	22.89
	DFT-S 64QAM	1	1	21.67	21.76	21.64
	DFT-S 256QAM	1	1	19.43	19.52	19.44
	CP QPSK	1	1	22.27	22.42	22.29

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376000	380000
		Frequency (MHz)		1860	1880	1900
20M	DFT-S PI/2 BPSK	1	1	25.69	25.99	25.85
		1	53	25.51	25.71	25.66
		1	104	25.43	25.60	25.48
		50	0	25.36	25.46	25.35
		50	28	25.74	25.73	25.79
		50	56	25.17	25.27	25.20
		100	0	25.21	25.34	25.14
	DFT-S QPSK	1	1	25.31	25.36	25.30
		1	53	25.59	25.69	25.60
		1	104	25.39	25.51	25.54
		50	0	24.16	24.20	24.23
		50	28	25.02	25.17	25.05
		50	56	24.31	24.46	24.24
		100	0	24.47	24.62	24.52
	DFT-S 16QAM	1	1	24.33	24.38	24.28
	DFT-S 64QAM	1	1	23.18	23.27	23.15
	DFT-S 256QAM	1	1	20.94	21.07	20.94
	CP QPSK	1	1	23.81	24.04	23.88

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5
15M	DFT-S PI/2 BPSK	1	1	25.47	25.59	25.61
		1	40	25.59	25.73	25.65
		1	77	25.70	25.82	25.74
		36	0	25.21	25.34	25.27
		36	22	25.77	25.74	25.79
		36	43	25.39	25.45	25.38
		75	0	25.52	25.57	25.51
	DFT-S QPSK	1	1	25.51	25.61	25.49
		1	40	25.36	25.41	25.39
		1	77	25.59	25.69	25.60
		36	0	24.69	24.82	24.70
		36	22	25.74	25.73	25.78
		36	43	24.78	24.89	24.80
		75	0	24.82	24.89	24.70
	DFT-S 16QAM	1	1	24.44	24.50	24.45
	DFT-S 64QAM	1	1	23.19	23.34	23.18
	DFT-S 256QAM	1	1	20.96	21.10	21.01
	CP QPSK	1	1	24.22	24.27	24.22

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10M	DFT-S PI/2 BPSK	1	1	25.66	25.79	25.61
		1	26	25.58	25.78	25.69
		1	50	25.60	25.73	25.62
		25	0	25.19	25.21	25.08
		25	14	25.66	25.75	25.61
		25	27	25.31	25.31	25.20
		50	0	25.20	25.26	25.28
	DFT-S QPSK	1	1	25.52	25.60	25.56
		1	26	24.84	24.94	24.79
		1	50	25.76	25.85	25.75
		25	0	24.79	24.78	24.69
		25	14	25.86	25.91	**25.96**
		25	27	24.87	24.87	24.80
		50	0	24.80	24.92	24.88
	DFT-S 16QAM	1	1	24.41	24.62	24.51
	DFT-S 64QAM	1	1	23.37	23.38	23.23
	DFT-S 256QAM	1	1	21.32	21.44	21.41
	CP QPSK	1	1	24.17	24.24	24.14

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		370500	376000	381500
		Frequency (MHz)		1852.5	1880	1907.5
5M	DFT-S PI/2 BPSK	1	1	25.79	25.82	25.90
		1	13	25.63	25.74	25.60
		1	23	25.68	25.73	25.66
		12	0	25.29	25.42	25.35
		12	7	25.82	25.84	25.81
		12	13	25.21	25.28	25.14
		25	0	25.35	25.39	25.28
	DFT-S QPSK	1	1	25.70	25.79	25.67
		1	13	25.61	25.80	25.64
		1	23	25.67	25.73	25.75
		12	0	24.87	24.93	24.80
		12	7	24.72	24.85	24.73
		12	13	24.85	24.87	24.76
		25	0	24.92	24.94	24.77
	DFT-S 16QAM	1	1	24.99	25.01	24.92
	DFT-S 64QAM	1	1	23.70	23.79	23.67
	DFT-S 256QAM	1	1	21.46	21.55	21.47
	CP QPSK	1	1	24.30	24.45	24.32

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

7.1.2 NR n5 SCS 15 kHz

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		166800	167300	167800
		Frequency (MHz)		834	836.5	839
20M	DFT-S PI/2 BPSK	1	1	23.45	23.72	23.46
		1	53	23.38	23.58	23.54
		1	104	23.39	23.51	23.34
		50	0	23.09	23.17	23.03
		50	28	22.72	22.72	22.63
		50	56	22.85	22.98	23.01
		100	0	23.04	23.11	23.08
	DFT-S QPSK	1	1	23.15	23.24	23.04
		1	53	23.39	23.49	23.37
		1	104	23.28	23.35	23.21
		50	0	22.65	22.64	22.53
		50	28	22.73	22.78	22.62
		50	56	22.51	22.65	22.63
		100	0	22.56	22.67	22.60
	DFT-S 16QAM	1	1	22.33	22.36	22.24
	DFT-S 64QAM	1	1	21.11	21.22	21.16
	DFT-S 256QAM	1	1	18.86	18.86	18.85
	CP QPSK	1	1	21.89	21.91	21.89

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5
15M	DFT-S PI/2 BPSK	1	1	23.08	23.34	23.23
		1	40	23.39	23.51	23.32
		1	77	23.22	23.31	23.07
		36	0	22.89	22.87	22.85
		36	22	22.19	22.41	22.31
		36	43	22.93	23.06	22.99
		75	0	22.84	22.88	22.89
	DFT-S QPSK	1	1	23.14	23.23	23.11
		1	40	23.25	23.35	23.23
		1	77	23.07	23.24	23.20
		36	0	22.40	22.55	22.31
		36	22	22.55	22.58	22.43
		36	43	22.49	22.59	22.45
		75	0	22.45	22.53	22.39
	DFT-S 16QAM	1	1	22.35	22.48	22.30
	DFT-S 64QAM	1	1	20.74	20.87	20.82
	DFT-S 256QAM	1	1	18.43	18.53	18.41
	CP QPSK	1	1	21.71	21.73	21.70

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		165800	167300	168800
		Frequency (MHz)		829	836.5	844
10M	DFT-S PI/2 BPSK	1	1	23.36	23.37	23.24
		1	26	23.31	23.45	23.25
		1	50	23.09	23.23	23.16
		25	0	22.92	23.08	22.98
		25	14	22.50	22.57	22.57
		25	27	23.02	23.02	23.00
		50	0	23.01	23.07	22.86
	DFT-S QPSK	1	1	23.30	23.43	23.31
		1	26	23.38	23.48	23.24
		1	50	23.14	23.20	22.97
		25	0	22.51	22.56	22.55
		25	14	22.42	22.60	22.56
		25	27	22.38	22.58	22.49
		50	0	22.49	22.56	22.51
	DFT-S 16QAM	1	1	22.33	22.46	22.35
	DFT-S 64QAM	1	1	20.88	21.03	21.01
	DFT-S 256QAM	1	1	18.59	18.71	18.59
	CP QPSK	1	1	22.01	22.07	21.85

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		165300	167300	169300
		Frequency (MHz)		826.5	836.5	846.5
5M	DFT-S PI/2 BPSK	1	1	23.49	23.53	23.42
		1	13	23.26	23.43	23.29
		1	23	23.25	23.37	23.22
		12	0	23.06	23.17	22.92
		12	7	22.52	22.59	22.40
		12	13	22.92	23.08	22.93
		25	0	22.95	23.05	22.99
	DFT-S QPSK	1	1	23.60	23.70	23.67
		1	13	23.54	23.59	23.49
		1	23	23.19	23.44	23.33
		12	0	22.65	22.70	22.54
		12	7	22.56	22.62	22.52
		12	13	22.43	22.60	22.49
		25	0	22.61	22.68	22.53
	DFT-S 16QAM	1	1	22.57	22.67	22.49
	DFT-S 64QAM	1	1	21.09	21.21	20.94
	DFT-S 256QAM	1	1	18.65	18.80	18.71
	CP QPSK	1	1	21.93	22.11	22.00

ERP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		166800	167300	167800
		Frequency (MHz)		834	836.5	839
20M	DFT-S PI/2 BPSK	1	1	23.93	24.20	23.94
		1	53	23.86	24.06	24.02
		1	104	23.87	23.99	23.82
		50	0	23.57	23.65	23.51
		50	28	23.20	23.20	23.11
		50	56	23.33	23.46	23.49
		100	0	23.52	23.59	23.56
	DFT-S QPSK	1	1	23.63	23.72	23.52
		1	53	23.87	23.97	23.85
		1	104	23.76	23.83	23.69
		50	0	23.13	23.12	23.01
		50	28	23.21	23.26	23.10
		50	56	22.99	23.13	23.11
		100	0	23.04	23.15	23.08
	DFT-S 16QAM	1	1	22.81	22.84	22.72
	DFT-S 64QAM	1	1	21.59	21.70	21.64
	DFT-S 256QAM	1	1	19.34	19.34	19.33
	CP QPSK	1	1	22.37	22.39	22.37

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5
15M	DFT-S PI/2 BPSK	1	1	23.56	23.82	23.71
		1	40	23.87	23.99	23.80
		1	77	23.70	23.79	23.55
		36	0	23.37	23.35	23.33
		36	22	22.67	22.89	22.79
		36	43	23.41	23.54	23.47
		75	0	23.32	23.36	23.37
	DFT-S QPSK	1	1	23.62	23.71	23.59
		1	40	23.73	23.83	23.71
		1	77	23.55	23.72	23.68
		36	0	20.25	23.03	22.79
		36	22	23.03	23.06	22.91
		36	43	22.97	23.07	22.93
		75	0	22.93	23.01	22.87
	DFT-S 16QAM	1	1	22.83	22.96	22.78
	DFT-S 64QAM	1	1	21.22	21.35	21.30
	DFT-S 256QAM	1	1	18.91	19.01	18.89
	CP QPSK	1	1	22.19	22.21	22.18

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		165800	167300	168800
		Frequency (MHz)		829	836.5	844
10M	DFT-S PI/2 BPSK	1	1	23.84	23.85	23.72
		1	26	23.79	23.93	23.73
		1	50	23.57	23.71	23.64
		25	0	23.40	23.56	23.46
		25	14	22.98	23.05	23.05
		25	27	23.50	23.50	23.48
		50	0	23.49	23.55	23.34
	DFT-S QPSK	1	1	23.78	23.91	23.79
		1	26	23.86	23.96	23.72
		1	50	23.62	23.68	23.45
		25	0	20.36	23.04	23.03
		25	14	22.90	23.08	23.04
		25	27	22.86	23.06	22.97
		50	0	22.97	23.04	22.99
	DFT-S 16QAM	1	1	22.81	22.94	22.83
	DFT-S 64QAM	1	1	21.36	21.51	21.49
	DFT-S 256QAM	1	1	19.07	19.19	19.07
	CP QPSK	1	1	22.49	22.55	22.33

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		165300	167300	169300
		Frequency (MHz)		826.5	836.5	846.5
5M	DFT-S PI/2 BPSK	1	1	23.97	24.01	23.90
		1	13	23.74	23.91	23.77
		1	23	23.73	23.85	23.70
		12	0	23.54	23.65	23.40
		12	7	23.00	23.07	22.88
		12	13	23.40	23.56	23.41
		25	0	23.43	23.53	23.47
	DFT-S QPSK	1	1	24.08	24.18	24.15
		1	13	24.02	24.07	23.97
		1	23	23.67	23.92	23.81
		12	0	20.50	23.18	23.02
		12	7	23.04	23.10	23.00
		12	13	22.91	23.08	22.97
		25	0	23.09	23.16	23.01
	DFT-S 16QAM	1	1	23.05	23.15	22.97
	DFT-S 64QAM	1	1	21.57	21.69	21.42
	DFT-S 256QAM	1	1	19.13	19.28	19.19
	CP QPSK	1	1	22.41	22.59	22.48

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.3 NR n7 SCS 15 kHz

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		502000	507000	512000
		Frequency (MHz)		2510	2535	2560
20M	DFT-S PI/2 BPSK	1	1	23.13	23.21	23.18
		1	53	22.59	22.81	22.66
		1	104	22.60	22.63	22.47
		50	0	22.29	22.39	22.29
		50	28	22.64	22.72	22.52
		50	56	22.32	22.29	22.16
		100	0	22.20	22.21	22.24
	DFT-S QPSK	1	1	22.37	22.47	22.38
		1	53	22.65	22.84	22.67
		1	104	22.50	22.70	22.60
		50	0	21.65	21.78	21.69
		50	28	22.03	22.15	21.88
		50	56	21.88	22.01	21.84
		100	0	21.89	22.08	22.02
	DFT-S 16QAM	1	1	21.77	21.88	21.66
	DFT-S 64QAM	1	1	20.18	20.26	20.16
	DFT-S 256QAM	1	1	18.45	18.64	18.38
	CP QPSK	1	1	21.30	21.42	21.21

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501500	507000	512500
		Frequency (MHz)		2507.5	2535	2562.5
15M	DFT-S PI/2 BPSK	1	1	21.85	21.97	21.91
		1	40	22.14	22.17	22.11
		1	77	22.17	22.11	21.98
		36	0	21.78	21.93	21.82
		36	22	22.23	22.42	22.21
		36	43	21.88	21.95	21.84
		75	0	22.04	22.00	22.02
	DFT-S QPSK	1	1	22.02	22.06	22.01
		1	40	22.28	22.40	22.27
		1	77	22.23	22.37	22.20
		36	0	21.53	21.53	21.42
		36	22	21.36	21.51	21.36
		36	43	21.51	21.60	21.47
		75	0	21.48	21.53	21.41
	DFT-S 16QAM	1	1	21.23	21.34	21.20
	DFT-S 64QAM	1	1	19.88	19.88	19.85
	DFT-S 256QAM	1	1	17.76	17.74	17.76
	CP QPSK	1	1	20.77	20.84	20.66

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501000	507000	513000
		Frequency (MHz)		2505	2535	2565
10M	DFT-S PI/2 BPSK	1	1	22.14	22.34	22.20
		1	26	22.37	22.38	22.33
		1	50	22.56	22.68	22.61
		25	0	22.01	22.02	21.86
		25	14	22.50	22.55	22.46
		25	27	22.00	21.98	21.99
		50	0	22.05	22.05	22.04
	DFT-S QPSK	1	1	22.42	22.51	22.54
		1	26	22.39	22.42	22.33
		1	50	22.52	22.53	22.51
		25	0	21.56	21.63	21.50
		25	14	21.54	21.61	21.48
		25	27	21.46	21.52	21.36
		50	0	21.40	21.53	21.44
	DFT-S 16QAM	1	1	21.38	21.46	21.34
	DFT-S 64QAM	1	1	19.49	19.63	19.49
	DFT-S 256QAM	1	1	18.03	18.13	18.09
	CP QPSK	1	1	21.10	21.25	21.22

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500500	507000	513500
		Frequency (MHz)		2502.5	2535	2567.5
5M	DFT-S PI/2 BPSK	1	1	23.09	23.20	23.13
		1	13	22.58	22.69	22.65
		1	23	22.50	22.59	22.52
		12	0	22.22	22.28	22.23
		12	7	22.43	22.57	22.51
		12	13	22.28	22.29	22.12
		25	0	22.02	22.14	22.15
	DFT-S QPSK	1	1	22.37	22.46	22.35
		1	13	22.77	22.81	22.73
		1	23	22.52	22.61	22.47
		12	0	21.75	21.78	21.71
		12	7	22.01	22.08	22.10
		12	13	21.77	21.89	21.76
		25	0	22.00	22.00	21.98
	DFT-S 16QAM	1	1	21.71	21.78	21.72
	DFT-S 64QAM	1	1	20.01	20.11	20.07
	DFT-S 256QAM	1	1	18.37	18.49	18.35
	CP QPSK	1	1	21.19	21.35	21.26

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		502000	507000	512000
		Frequency (MHz)		2510	2535	2560
20M	DFT-S PI/2 BPSK	1	1	25.39	25.47	25.44
		1	53	24.85	25.07	24.92
		1	104	24.86	24.89	24.73
		50	0	24.55	24.65	24.55
		50	28	24.90	24.98	24.78
		50	56	24.58	24.55	24.42
		100	0	24.46	24.47	24.50
	DFT-S QPSK	1	1	24.63	24.73	24.64
		1	53	24.91	25.10	24.93
		1	104	24.76	24.96	24.86
		50	0	23.91	24.04	23.95
		50	28	24.29	24.41	24.14
		50	56	24.14	24.27	24.10
		100	0	24.15	24.34	24.28
	DFT-S 16QAM	1	1	24.03	24.14	23.92
	DFT-S 64QAM	1	1	22.44	22.52	22.42
	DFT-S 256QAM	1	1	20.71	20.90	20.64
	CP QPSK	1	1	23.56	23.68	23.47

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501500	507000	512500
		Frequency (MHz)		2507.5	2535	2562.5
15M	DFT-S PI/2 BPSK	1	1	24.11	24.23	24.17
		1	40	24.40	24.43	24.37
		1	77	24.43	24.37	24.24
		36	0	24.04	24.19	24.08
		36	22	24.49	24.68	24.47
		36	43	24.14	24.21	24.10
		75	0	24.30	24.26	24.28
	DFT-S QPSK	1	1	24.28	24.32	24.27
		1	40	24.54	24.66	24.53
		1	77	24.49	24.63	24.46
		36	0	23.79	23.79	23.68
		36	22	23.62	23.77	23.62
		36	43	23.77	23.86	23.73
		75	0	23.74	23.79	23.67
	DFT-S 16QAM	1	1	23.49	23.60	23.46
	DFT-S 64QAM	1	1	22.14	22.14	22.11
	DFT-S 256QAM	1	1	20.02	20.00	20.02
	CP QPSK	1	1	23.03	23.10	22.92

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501000	507000	513000
		Frequency (MHz)		2505	2535	2565
10M	DFT-S PI/2 BPSK	1	1	24.40	24.60	24.46
		1	26	24.63	24.64	24.59
		1	50	24.82	24.94	24.87
		25	0	24.27	24.28	24.12
		25	14	24.76	24.81	24.72
		25	27	24.26	24.24	24.25
		50	0	24.31	24.31	24.30
	DFT-S QPSK	1	1	24.68	24.77	24.80
		1	26	24.65	24.68	24.59
		1	50	24.78	24.79	24.77
		25	0	23.82	23.89	23.76
		25	14	23.80	23.87	23.74
		25	27	23.72	23.78	23.62
		50	0	23.66	23.79	23.70
	DFT-S 16QAM	1	1	23.64	23.72	23.60
	DFT-S 64QAM	1	1	21.75	21.89	21.75
	DFT-S 256QAM	1	1	20.29	20.39	20.35
	CP QPSK	1	1	23.36	23.51	23.48

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500500	507000	513500
		Frequency (MHz)		2502.5	2535	2567.5
5M	DFT-S PI/2 BPSK	1	1	25.35	25.46	25.39
		1	13	24.84	24.95	24.91
		1	23	24.76	24.85	24.78
		12	0	24.48	24.54	24.49
		12	7	24.69	24.83	24.77
		12	13	24.54	24.55	24.38
		25	0	24.28	24.40	24.41
	DFT-S QPSK	1	1	24.63	24.72	24.61
		1	13	25.03	25.07	24.99
		1	23	24.78	24.87	24.73
		12	0	24.01	24.04	23.97
		12	7	24.27	24.34	24.36
		12	13	24.03	24.15	24.02
		25	0	24.26	24.26	24.24
	DFT-S 16QAM	1	1	23.97	24.04	23.98
	DFT-S 64QAM	1	1	22.27	22.37	22.33
	DFT-S 256QAM	1	1	20.63	20.75	20.61
	CP QPSK	1	1	23.45	23.61	23.52

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

7.1.4 NR n41 SCS 30 kHz (PC2)

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-S PI/2 BPSK	1	1	24.84	25.06	25.09
		1	137	25.98	25.92	25.82
		1	271	25.38	24.96	25.33
		135	0	25.47	25.20	25.31
		135	69	25.93	26.25	26.11
		135	138	25.12	25.53	25.29
		270	0	25.28	25.55	25.59
	DFT-S QPSK	1	1	24.93	24.79	24.68
		1	137	25.84	25.83	25.39
		1	271	25.04	24.81	24.87
		135	0	24.54	24.48	24.36
		135	69	25.79	25.84	25.55
		135	138	24.37	24.59	24.56
		270	0	24.61	24.69	24.64
	DFT-S 16QAM	1	1	23.75	23.76	23.66
	DFT-S 64QAM	1	1	22.14	22.14	21.98
	DFT-S 256QAM	1	1	20.25	20.57	20.26
	CP QPSK	1	1	23.41	23.32	23.08

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	DFT-S PI/2 BPSK	1	1	24.50	24.59	24.85
		1	123	25.44	25.60	25.80
		1	243	24.84	25.07	25.00
		120	0	24.93	25.19	25.23
		120	63	25.59	25.93	25.57
		120	125	25.27	25.31	25.21
		243	0	25.51	25.63	25.30
	DFT-S QPSK	1	1	24.52	24.72	24.74
		1	123	25.54	25.72	25.74
		1	243	24.82	24.89	24.79
		120	0	24.33	24.53	24.34
		120	63	25.64	25.66	25.60
		120	125	24.26	24.60	24.55
		243	0	24.34	24.55	24.32
	DFT-S 16QAM	1	1	23.64	23.59	23.49
	DFT-S 64QAM	1	1	21.98	22.11	22.10
	DFT-S 256QAM	1	1	20.19	20.52	20.51
	CP QPSK	1	1	23.14	23.33	23.16

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-S PI/2 BPSK	1	1	24.63	24.84	24.97
		1	109	25.65	25.70	25.43
		1	215	25.05	25.00	25.07
		108	0	25.32	25.17	25.15
		108	55	25.64	25.87	25.47
		108	109	25.37	25.22	25.01
		216	0	25.38	25.54	25.60
	DFT-S QPSK	1	1	24.71	24.77	24.79
		1	109	25.88	25.82	25.74
		1	215	24.66	25.09	24.64
		108	0	24.46	24.56	24.30
		108	55	25.76	25.86	25.73
		108	109	24.32	24.46	24.39
		216	0	24.39	24.44	24.51
	DFT-S 16QAM	1	1	23.49	23.55	23.57
	DFT-S 64QAM	1	1	22.06	21.93	22.24
	DFT-S 256QAM	1	1	20.21	20.36	20.54
	CP QPSK	1	1	23.09	23.16	23.21

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-S PI/2 BPSK	1	1	24.84	25.09	24.56
		1	95	25.61	25.75	25.68
		1	187	25.35	25.19	24.95
		90	0	25.20	25.53	25.35
		90	50	25.79	25.63	25.78
		90	99	25.32	25.49	24.99
		180	0	25.15	25.56	25.19
	DFT-S QPSK	1	1	24.65	24.81	24.86
		1	95	25.73	25.89	25.78
		1	187	24.96	25.07	24.81
		90	0	24.47	24.40	24.24
		90	50	25.45	25.79	25.54
		90	99	24.37	24.50	24.41
		180	0	24.49	24.27	24.36
	DFT-S 16QAM	1	1	23.57	23.71	23.50
	DFT-S 64QAM	1	1	21.87	22.17	22.29
	DFT-S 256QAM	1	1	20.08	20.55	20.31
	CP QPSK	1	1	23.27	23.00	23.35

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-S PI/2 BPSK	1	1	24.85	24.84	24.88
		1	81	25.73	25.89	25.87
		1	160	24.98	24.79	24.88
		81	0	25.36	25.28	25.16
		81	41	25.61	25.96	25.75
		81	81	25.51	25.28	25.25
		162	0	25.22	25.15	25.55
	DFT-S QPSK	1	1	24.67	24.90	24.73
		1	81	25.81	25.87	25.60
		1	160	24.66	25.01	24.68
		81	0	24.42	24.64	24.49
		81	41	25.78	25.37	25.53
		81	81	24.33	24.34	24.52
		162	0	24.53	24.49	24.32
	DFT-S 16QAM	1	1	23.65	23.65	23.60
	DFT-S 64QAM	1	1	22.09	22.45	22.14
	DFT-S 256QAM	1	1	20.07	20.56	20.38
	CP QPSK	1	1	23.12	23.20	23.41

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-S PI/2 BPSK	1	1	24.86	24.96	25.00
		1	67	25.63	25.95	25.60
		1	131	24.98	25.19	25.05
		64	0	25.18	25.60	25.10
		64	35	25.88	25.68	25.90
		64	69	25.37	25.40	25.19
		128	0	25.18	25.28	25.24
	DFT-S QPSK	1	1	24.71	24.66	24.66
		1	67	26.04	25.76	25.85
		1	131	24.97	24.78	24.67
		64	0	24.34	24.29	24.45
		64	35	25.43	25.55	25.57
		64	69	24.30	24.26	24.17
		128	0	24.50	24.51	24.35
	DFT-S 16QAM	1	1	23.52	23.58	23.70
	DFT-S 64QAM	1	1	22.12	22.16	22.19
	DFT-S 256QAM	1	1	20.35	20.42	20.28
	CP QPSK	1	1	22.96	23.26	23.48

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-S PI/2 BPSK	1	1	24.98	24.84	24.71
		1	53	25.82	25.76	25.90
		1	104	25.07	24.88	24.97
		50	0	25.16	25.14	25.17
		50	28	25.81	25.70	25.67
		50	56	25.40	25.42	25.18
		100	0	25.22	25.27	25.14
	DFT-S QPSK	1	1	24.74	24.95	24.46
		1	53	25.87	25.61	25.55
		1	104	24.83	24.87	24.80
		50	0	24.34	24.54	24.27
		50	28	25.78	25.91	25.39
		50	56	24.26	24.37	24.48
		100	0	24.29	24.74	24.49
	DFT-S 16QAM	1	1	23.51	23.87	23.50
	DFT-S 64QAM	1	1	22.15	22.00	22.29
	DFT-S 256QAM	1	1	20.04	20.24	20.50
	CP QPSK	1	1	23.21	23.17	23.28

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-S PI/2 BPSK	1	1	24.99	25.04	24.66
		1	26	25.67	25.91	25.49
		1	49	25.10	25.04	24.77
		25	0	25.36	25.58	25.32
		25	13	25.81	25.81	25.90
		25	26	25.37	25.55	25.29
		50	0	25.17	25.51	25.26
	DFT-S QPSK	1	1	24.94	24.76	24.70
		1	26	25.69	25.65	25.79
		1	49	25.02	24.80	24.83
		25	0	24.64	24.61	24.30
		25	13	25.59	25.65	25.75
		25	26	24.23	24.34	24.53
		50	0	24.60	24.75	24.23
	DFT-S 16QAM	1	1	23.40	23.63	23.42
	DFT-S 64QAM	1	1	22.24	22.12	22.19
	DFT-S 256QAM	1	1	20.12	20.24	20.30
	CP QPSK	1	1	22.93	23.31	23.38

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	DFT-S PI/2 BPSK	1	1	24.82	24.81	24.82
		1	19	26.05	25.77	25.57
		1	36	24.91	24.84	24.95
		18	0	24.98	25.41	25.22
		18	10	25.89	25.84	25.91
		18	20	25.17	25.37	25.06
		36	0	25.65	25.48	25.23
	DFT-S QPSK	1	1	24.61	24.78	24.86
		1	19	25.79	25.54	25.89
		1	36	25.01	24.88	24.65
		18	0	24.55	24.53	24.57
		18	10	25.55	25.37	25.44
		18	20	24.41	24.45	24.23
		36	0	24.37	24.38	24.47
	DFT-S 16QAM	1	1	23.44	23.62	23.44
	DFT-S 64QAM	1	1	22.08	21.91	21.97
	DFT-S 256QAM	1	1	20.16	20.11	20.19
	CP QPSK	1	1	23.09	23.40	23.38

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	DFT-S PI/2 BPSK	1	1	24.48	24.64	24.46
		1	11	25.59	26.06	25.84
		1	22	24.87	25.11	25.03
		12	0	25.07	25.33	25.31
		12	6	25.92	26.14	25.69
		12	12	25.47	25.49	25.12
		24	0	25.25	25.37	25.30
	DFT-S QPSK	1	1	24.35	24.72	24.66
		1	11	25.98	25.75	25.69
		1	22	24.96	24.87	24.76
		12	0	24.53	24.46	24.56
		12	6	25.60	25.94	25.42
		12	12	24.17	24.33	24.27
		24	0	24.44	24.39	24.49
	DFT-S 16QAM	1	1	23.63	23.48	23.47
	DFT-S 64QAM	1	1	22.19	22.31	22.19
	DFT-S 256QAM	1	1	20.13	20.54	20.24
	CP QPSK	1	1	23.31	23.34	23.21

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-S PI/2 BPSK	1	1	27.10	27.32	27.35
		1	137	28.24	28.18	28.08
		1	271	27.64	27.22	27.59
		135	0	27.73	27.46	27.57
		135	69	28.19	28.51	28.37
		135	138	27.38	27.79	27.55
		270	0	27.54	27.81	27.85
	DFT-S QPSK	1	1	27.19	27.05	26.94
		1	137	28.10	28.09	27.65
		1	271	27.30	27.07	27.13
		135	0	26.80	26.74	26.62
		135	69	28.05	28.10	27.81
		135	138	26.63	26.85	26.82
		270	0	26.87	26.95	26.90
	DFT-S 16QAM	1	1	26.01	26.02	25.92
	DFT-S 64QAM	1	1	24.40	24.40	24.24
	DFT-S 256QAM	1	1	22.51	22.83	22.52
	CP QPSK	1	1	25.67	25.58	25.34

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	DFT-S PI/2 BPSK	1	1	26.76	26.85	27.11
		1	123	27.70	27.86	28.06
		1	243	27.10	27.33	27.26
		120	0	27.19	27.45	27.49
		120	63	27.85	28.19	27.83
		120	125	27.53	27.57	27.47
		243	0	27.77	27.89	27.56
	DFT-S QPSK	1	1	26.78	26.98	27.00
		1	123	27.80	27.98	28.00
		1	243	27.08	27.15	27.05
		120	0	26.59	26.79	26.60
		120	63	27.90	27.92	27.86
		120	125	26.52	26.86	26.81
		243	0	26.60	26.81	26.58
	DFT-S 16QAM	1	1	25.90	25.85	25.75
	DFT-S 64QAM	1	1	24.24	24.37	24.36
	DFT-S 256QAM	1	1	22.45	22.78	22.77
	CP QPSK	1	1	25.40	25.59	25.42

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-S PI/2 BPSK	1	1	26.89	27.10	27.23
		1	109	27.91	27.96	27.69
		1	215	27.31	27.26	27.33
		108	0	27.58	27.43	27.41
		108	55	27.90	28.13	27.73
		108	109	27.63	27.48	27.27
		216	0	27.64	27.80	27.86
	DFT-S QPSK	1	1	26.97	27.03	27.05
		1	109	28.14	28.08	28.00
		1	215	26.92	27.35	26.90
		108	0	26.72	26.82	26.56
		108	55	28.02	28.12	27.99
		108	109	26.58	26.72	26.65
		216	0	26.65	26.70	26.77
	DFT-S 16QAM	1	1	25.75	25.81	25.83
	DFT-S 64QAM	1	1	24.32	24.19	24.50
	DFT-S 256QAM	1	1	22.47	22.62	22.80
	CP QPSK	1	1	25.35	25.42	25.47

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-S PI/2 BPSK	1	1	27.10	27.35	26.82
		1	95	27.87	28.01	27.94
		1	187	27.61	27.45	27.21
		90	0	27.46	27.79	27.61
		90	50	28.05	27.89	28.04
		90	99	27.58	27.75	27.25
		180	0	27.41	27.82	27.45
	DFT-S QPSK	1	1	26.91	27.07	27.12
		1	95	27.99	28.15	28.04
		1	187	27.22	27.33	27.07
		90	0	26.73	26.66	26.50
		90	50	27.71	28.05	27.80
		90	99	26.63	26.76	26.67
		180	0	26.75	26.53	26.62
	DFT-S 16QAM	1	1	25.83	25.97	25.76
	DFT-S 64QAM	1	1	24.13	24.43	24.55
	DFT-S 256QAM	1	1	22.34	22.81	22.57
	CP QPSK	1	1	25.53	25.26	25.61

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-S PI/2 BPSK	1	1	27.11	27.10	27.14
		1	81	27.99	28.15	28.13
		1	160	27.24	27.05	27.14
		81	0	27.62	27.54	27.42
		81	41	27.87	28.22	28.01
		81	81	27.77	27.54	27.51
		162	0	27.48	27.41	27.81
	DFT-S QPSK	1	1	26.93	27.16	26.99
		1	81	28.07	28.13	27.86
		1	160	26.92	27.27	26.94
		81	0	26.68	26.90	26.75
		81	41	28.04	27.63	27.79
		81	81	26.59	26.60	26.78
		162	0	26.79	26.75	26.58
	DFT-S 16QAM	1	1	25.91	25.91	25.86
	DFT-S 64QAM	1	1	24.35	24.71	24.40
	DFT-S 256QAM	1	1	22.33	22.82	22.64
	CP QPSK	1	1	25.38	25.46	25.67

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-S PI/2 BPSK	1	1	27.12	27.22	27.26
		1	67	27.89	28.21	27.86
		1	131	27.24	27.45	27.31
		64	0	27.44	27.86	27.36
		64	35	28.14	27.94	28.16
		64	69	27.63	27.66	27.45
		128	0	27.44	27.54	27.50
	DFT-S QPSK	1	1	26.97	26.92	26.92
		1	67	28.30	28.02	28.11
		1	131	27.23	27.04	26.93
		64	0	26.60	26.55	26.71
		64	35	27.69	27.81	27.83
		64	69	26.56	26.52	26.43
		128	0	26.76	26.77	26.61
	DFT-S 16QAM	1	1	25.78	25.84	25.96
	DFT-S 64QAM	1	1	24.38	24.42	24.45
	DFT-S 256QAM	1	1	22.61	22.68	22.54
	CP QPSK	1	1	25.22	25.52	25.74

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-S PI/2 BPSK	1	1	27.24	27.10	26.97
		1	53	28.08	28.02	28.16
		1	104	27.33	27.14	27.23
		50	0	27.42	27.40	27.43
		50	28	28.07	27.96	27.93
		50	56	27.66	27.68	27.44
		100	0	27.48	27.53	27.40
	DFT-S QPSK	1	1	27.00	27.21	26.72
		1	53	28.13	27.87	27.81
		1	104	27.09	27.13	27.06
		50	0	26.60	26.80	26.53
		50	28	28.04	28.17	27.65
		50	56	26.52	26.63	26.74
		100	0	26.55	27.00	26.75
	DFT-S 16QAM	1	1	25.77	26.13	25.76
	DFT-S 64QAM	1	1	24.41	24.26	24.55
	DFT-S 256QAM	1	1	22.30	22.50	22.76
	CP QPSK	1	1	25.47	25.43	25.54

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-S PI/2 BPSK	1	1	27.25	27.30	26.92
		1	26	27.93	28.17	27.75
		1	49	27.36	27.30	27.03
		25	0	27.62	27.84	27.58
		25	13	28.07	28.07	28.16
		25	26	27.63	27.81	27.55
		50	0	27.43	27.77	27.52
	DFT-S QPSK	1	1	27.20	27.02	26.96
		1	26	27.95	27.91	28.05
		1	49	27.28	27.06	27.09
		25	0	26.90	26.87	26.56
		25	13	27.85	27.91	28.01
		25	26	26.49	26.60	26.79
		50	0	26.86	27.01	26.49
	DFT-S 16QAM	1	1	25.66	25.89	25.68
	DFT-S 64QAM	1	1	24.50	24.38	24.45
	DFT-S 256QAM	1	1	22.38	22.50	22.56
	CP QPSK	1	1	25.19	25.57	25.64

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	DFT-S PI/2 BPSK	1	1	27.08	27.07	27.08
		1	19	28.31	28.03	27.83
		1	36	27.17	27.10	27.21
		18	0	27.24	27.67	27.48
		18	10	28.15	28.10	28.17
		18	20	27.43	27.63	27.32
		36	0	27.91	27.74	27.49
	DFT-S QPSK	1	1	26.87	27.04	27.12
		1	19	28.05	27.80	28.15
		1	36	27.27	27.14	26.91
		18	0	26.81	26.79	26.83
		18	10	27.81	27.63	27.70
		18	20	26.67	26.71	26.49
		36	0	26.63	26.64	26.73
	DFT-S 16QAM	1	1	25.70	25.88	25.70
	DFT-S 64QAM	1	1	24.34	24.17	24.23
	DFT-S 256QAM	1	1	22.42	22.37	22.45
	CP QPSK	1	1	25.35	25.66	25.64

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	DFT-S PI/2 BPSK	1	1	26.74	26.90	26.72
		1	11	27.85	28.32	28.10
		1	22	27.13	27.37	27.29
		12	0	27.33	27.59	27.57
		12	6	28.18	28.40	27.95
		12	12	27.73	27.75	27.38
		24	0	27.51	27.63	27.56
	DFT-S QPSK	1	1	26.61	26.98	26.92
		1	11	28.24	28.01	27.95
		1	22	27.22	27.13	27.02
		12	0	26.79	26.72	26.82
		12	6	27.86	28.20	27.68
		12	12	26.43	26.59	26.53
		24	0	26.70	26.65	26.75
	DFT-S 16QAM	1	1	25.89	25.74	25.73
	DFT-S 64QAM	1	1	24.45	24.57	24.45
	DFT-S 256QAM	1	1	22.39	22.80	22.50
	CP QPSK	1	1	25.57	25.60	25.47

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

7.1.5 NR n41 SCS 30 kHz (PC3)

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-S PI/2 BPSK	1	1	22.54	22.53	22.56
		1	137	23.43	23.37	23.33
		1	271	22.79	22.68	22.74
		135	0	23.00	22.88	22.92
		135	69	23.49	23.65	23.58
		135	138	22.87	23.08	22.96
		270	0	23.03	22.99	23.13
	DFT-S QPSK	1	1	22.73	22.75	22.67
		1	137	23.74	23.89	23.38
		1	271	22.86	22.90	22.74
		135	0	22.61	22.51	22.38
		135	69	23.65	23.64	23.41
		135	138	22.43	22.47	22.43
		270	0	22.41	22.67	22.45
	DFT-S 16QAM	1	1	21.57	21.76	21.47
	DFT-S 64QAM	1	1	20.10	20.22	20.06
	DFT-S 256QAM	1	1	18.17	18.46	18.16
	CP QPSK	1	1	21.25	21.31	21.16

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	DFT-S PI/2 BPSK	1	1	22.24	22.38	22.44
		1	123	23.24	23.28	23.22
		1	243	22.62	22.66	22.60
		120	0	22.72	22.78	22.82
		120	63	23.32	23.52	23.27
		120	125	22.83	22.98	22.80
		243	0	22.95	23.04	23.02
	DFT-S QPSK	1	1	22.53	22.70	22.69
		1	123	23.61	23.65	23.60
		1	243	22.85	22.70	22.71
		120	0	22.43	22.43	22.27
		120	63	23.49	23.61	23.51
		120	125	22.22	22.50	22.37
		243	0	22.25	22.53	22.34
	DFT-S 16QAM	1	1	21.49	21.57	21.53
	DFT-S 64QAM	1	1	20.08	20.04	20.03
	DFT-S 256QAM	1	1	18.04	18.42	18.31
	CP QPSK	1	1	21.22	21.38	21.20

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-S PI/2 BPSK	1	1	22.27	22.43	22.45
		1	109	23.36	23.46	23.11
		1	215	22.64	22.59	22.57
		108	0	22.92	22.81	22.85
		108	55	23.38	23.67	23.23
		108	109	22.81	22.91	22.77
		216	0	22.84	23.00	23.16
	DFT-S QPSK	1	1	22.51	22.68	22.64
		1	109	23.73	23.71	23.69
		1	215	22.76	22.93	22.68
		108	0	22.42	22.36	22.24
		108	55	23.70	23.81	23.61
		108	109	22.28	22.31	22.21
		216	0	22.41	22.52	22.34
	DFT-S 16QAM	1	1	21.40	21.64	21.49
	DFT-S 64QAM	1	1	20.16	19.99	20.08
	DFT-S 256QAM	1	1	18.12	18.37	18.34
	CP QPSK	1	1	21.17	21.13	21.16

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-S PI/2 BPSK	1	1	22.39	22.60	22.35
		1	95	23.32	23.31	23.34
		1	187	22.77	22.67	22.62
		90	0	22.95	22.96	22.77
		90	50	23.51	23.43	23.44
		90	99	22.81	23.06	22.73
		180	0	22.77	23.11	22.93
	DFT-S QPSK	1	1	22.56	22.66	22.69
		1	95	23.70	23.69	23.66
		1	187	22.95	22.93	22.77
		90	0	22.48	22.27	22.32
		90	50	23.52	23.60	23.53
		90	99	22.43	22.46	22.33
		180	0	22.37	22.34	22.19
	DFT-S 16QAM	1	1	21.47	21.62	21.38
	DFT-S 64QAM	1	1	19.91	20.13	20.13
	DFT-S 256QAM	1	1	18.08	18.42	18.20
	CP QPSK	1	1	21.13	21.07	21.20

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-S PI/2 BPSK	1	1	22.43	22.56	22.31
		1	81	23.25	23.44	23.33
		1	160	22.54	22.56	22.56
		81	0	22.86	22.93	22.88
		81	41	23.38	23.45	23.23
		81	81	22.97	22.80	22.82
		162	0	22.77	22.94	22.96
	DFT-S QPSK	1	1	22.56	22.81	22.69
		1	81	23.78	23.82	23.51
		1	160	22.70	22.87	22.74
		81	0	22.51	22.50	22.37
		81	41	23.60	23.42	23.60
		81	81	22.24	22.31	22.39
		162	0	22.43	22.55	22.24
	DFT-S 16QAM	1	1	21.46	21.54	21.53
	DFT-S 64QAM	1	1	19.89	20.27	19.96
	DFT-S 256QAM	1	1	18.11	18.40	18.20
	CP QPSK	1	1	21.21	21.12	21.29

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-S PI/2 BPSK	1	1	22.28	22.55	22.50
		1	67	23.19	23.52	23.37
		1	131	22.69	22.66	22.64
		64	0	22.82	23.00	22.70
		64	35	23.53	23.38	23.40
		64	69	23.00	22.99	22.88
		128	0	22.73	23.00	23.03
	DFT-S QPSK	1	1	22.54	22.72	22.68
		1	67	23.87	23.83	23.67
		1	131	22.86	22.74	22.59
		64	0	22.38	22.33	22.34
		64	35	23.48	23.64	23.56
		64	69	22.27	22.26	22.25
		128	0	22.45	22.45	22.22
	DFT-S 16QAM	1	1	21.33	21.49	21.63
	DFT-S 64QAM	1	1	19.95	20.01	20.08
	DFT-S 256QAM	1	1	18.18	18.28	18.28
	CP QPSK	1	1	20.97	21.09	21.33

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-S PI/2 BPSK	1	1	22.46	22.53	22.25
		1	53	23.35	23.42	23.39
		1	104	22.56	22.64	22.74
		50	0	22.84	22.74	22.87
		50	28	23.53	23.47	23.30
		50	56	22.91	22.97	22.81
		100	0	22.91	22.99	22.86
	DFT-S QPSK	1	1	22.58	22.84	22.55
		1	53	23.76	23.69	23.58
		1	104	22.85	22.97	22.79
		50	0	22.39	22.49	22.22
		50	28	23.60	23.74	23.46
		50	56	22.30	22.35	22.39
		100	0	22.26	22.59	22.49
	DFT-S 16QAM	1	1	21.58	21.71	21.54
	DFT-S 64QAM	1	1	20.11	20.08	20.17
	DFT-S 256QAM	1	1	18.11	18.32	18.30
	CP QPSK	1	1	21.09	21.05	21.19

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-S PI/2 BPSK	1	1	22.49	22.55	22.31
		1	26	23.27	23.38	23.17
		1	49	22.61	22.75	22.56
		25	0	22.82	22.98	22.91
		25	13	23.35	23.41	23.49
		25	26	22.94	22.95	22.95
		50	0	22.69	23.14	23.05
	DFT-S QPSK	1	1	22.76	22.73	22.58
		1	26	23.71	23.71	23.61
		1	49	22.94	22.80	22.65
		25	0	22.48	22.51	22.27
		25	13	23.41	23.71	23.66
		25	26	22.22	22.33	22.34
		50	0	22.43	22.61	22.22
	DFT-S 16QAM	1	1	21.34	21.50	21.40
	DFT-S 64QAM	1	1	20.11	20.21	20.02
	DFT-S 256QAM	1	1	18.17	18.32	18.17
	CP QPSK	1	1	21.03	21.25	21.18

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	DFT-S PI/2 BPSK	1	1	22.42	22.53	22.57
		1	19	23.46	23.37	23.31
		1	36	22.52	22.50	22.60
		18	0	22.76	22.86	22.76
		18	10	23.48	23.48	23.31
		18	20	22.84	22.90	22.78
		36	0	23.10	23.10	22.85
	DFT-S QPSK	1	1	22.62	22.80	22.67
		1	19	23.65	23.64	23.80
		1	36	22.92	22.73	22.72
		18	0	22.46	22.49	22.52
		18	10	23.39	23.44	23.51
		18	20	22.39	22.31	22.33
		36	0	22.26	22.43	22.48
	DFT-S 16QAM	1	1	21.45	21.67	21.43
	DFT-S 64QAM	1	1	20.02	20.01	19.99
	DFT-S 256QAM	1	1	18.16	18.16	18.09
	CP QPSK	1	1	21.08	21.31	21.22

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	DFT-S PI/2 BPSK	1	1	22.28	22.37	22.26
		1	11	23.22	23.51	23.24
		1	22	22.61	22.62	22.73
		12	0	22.77	22.94	22.90
		12	6	23.36	23.54	23.48
		12	12	22.96	22.91	22.71
		24	0	22.86	23.07	22.89
	DFT-S QPSK	1	1	22.44	22.80	22.50
		1	11	23.80	23.69	23.71
		1	22	22.90	22.86	22.86
		12	0	22.36	22.37	22.43
		12	6	23.64	23.74	23.48
		12	12	22.24	22.23	22.27
		24	0	22.24	22.36	22.48
	DFT-S 16QAM	1	1	21.43	21.51	21.31
	DFT-S 64QAM	1	1	20.07	20.16	20.13
	DFT-S 256QAM	1	1	18.18	18.37	18.23
	CP QPSK	1	1	21.16	21.36	21.27

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-S PI/2 BPSK	1	1	24.80	24.79	24.82
		1	137	25.69	25.63	25.59
		1	271	25.05	24.94	25.00
		135	0	25.26	25.14	25.18
		135	69	25.75	25.91	25.84
		135	138	25.13	25.34	25.22
		270	0	25.29	25.25	25.39
	DFT-S QPSK	1	1	24.99	25.01	24.93
		1	137	26.00	26.15	25.64
		1	271	25.12	25.16	25.00
		135	0	24.87	24.77	24.64
		135	69	25.91	25.90	25.67
		135	138	24.69	24.73	24.69
		270	0	24.67	24.93	24.71
	DFT-S 16QAM	1	1	23.83	24.02	23.73
	DFT-S 64QAM	1	1	22.36	22.48	22.32
	DFT-S 256QAM	1	1	20.43	20.72	20.42
	CP QPSK	1	1	23.51	23.57	23.42

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	DFT-S PI/2 BPSK	1	1	24.50	24.64	24.70
		1	123	25.50	25.54	25.48
		1	243	24.88	24.92	24.86
		120	0	24.98	25.04	25.08
		120	63	25.58	25.78	25.53
		120	125	25.09	25.24	25.06
		243	0	25.21	25.30	25.28
	DFT-S QPSK	1	1	24.79	24.96	24.95
		1	123	25.87	25.91	25.86
		1	243	25.11	24.96	24.97
		120	0	24.69	24.69	24.53
		120	63	25.75	25.87	25.77
		120	125	24.48	24.76	24.63
		243	0	24.51	24.79	24.60
	DFT-S 16QAM	1	1	23.75	23.83	23.79
	DFT-S 64QAM	1	1	22.34	22.30	22.29
	DFT-S 256QAM	1	1	20.30	20.68	20.57
	CP QPSK	1	1	23.48	23.64	23.46

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-S PI/2 BPSK	1	1	24.53	24.69	24.71
		1	109	25.62	25.72	25.37
		1	215	24.90	24.85	24.83
		108	0	25.18	25.07	25.11
		108	55	25.64	25.93	25.49
		108	109	25.07	25.17	25.03
		216	0	25.10	25.26	25.42
	DFT-S QPSK	1	1	24.77	24.94	24.90
		1	109	25.99	25.97	25.95
		1	215	25.02	25.19	24.94
		108	0	24.68	24.62	24.50
		108	55	25.96	26.07	25.87
		108	109	24.54	24.57	24.47
		216	0	24.67	24.78	24.60
	DFT-S 16QAM	1	1	23.66	23.90	23.75
	DFT-S 64QAM	1	1	22.42	22.25	22.34
	DFT-S 256QAM	1	1	20.38	20.63	20.60
	CP QPSK	1	1	23.43	23.39	23.42

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-S PI/2 BPSK	1	1	24.65	24.86	24.61
		1	95	25.58	25.57	25.60
		1	187	25.03	24.93	24.88
		90	0	25.21	25.22	25.03
		90	50	25.77	25.69	25.70
		90	99	25.07	25.32	24.99
		180	0	25.03	25.37	25.19
	DFT-S QPSK	1	1	24.82	24.92	24.95
		1	95	25.96	25.95	25.92
		1	187	25.21	25.19	25.03
		90	0	24.74	24.53	24.58
		90	50	25.78	25.86	25.79
		90	99	24.69	24.72	24.59
		180	0	24.63	24.60	24.45
	DFT-S 16QAM	1	1	23.73	23.88	23.64
	DFT-S 64QAM	1	1	22.17	22.39	22.39
	DFT-S 256QAM	1	1	20.34	20.68	20.46
	CP QPSK	1	1	23.39	23.33	23.46

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-S PI/2 BPSK	1	1	24.69	24.82	24.57
		1	81	25.51	25.70	25.59
		1	160	24.80	24.82	24.82
		81	0	25.12	25.19	25.14
		81	41	25.64	25.71	25.49
		81	81	25.23	25.06	25.08
		162	0	25.03	25.20	25.22
	DFT-S QPSK	1	1	24.82	25.07	24.95
		1	81	26.04	26.08	25.77
		1	160	24.96	25.13	25.00
		81	0	24.77	24.76	24.63
		81	41	25.86	25.68	25.86
		81	81	24.50	24.57	24.65
		162	0	24.69	24.81	24.50
	DFT-S 16QAM	1	1	23.72	23.80	23.79
	DFT-S 64QAM	1	1	22.15	22.53	22.22
	DFT-S 256QAM	1	1	20.37	20.66	20.46
	CP QPSK	1	1	23.47	23.38	23.55

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-S PI/2 BPSK	1	1	24.54	24.81	24.76
		1	67	25.45	25.78	25.63
		1	131	24.95	24.92	24.90
		64	0	25.08	25.26	24.96
		64	35	25.79	25.64	25.66
		64	69	25.26	25.25	25.14
		128	0	24.99	25.26	25.29
	DFT-S QPSK	1	1	24.80	24.98	24.94
		1	67	26.13	26.09	25.93
		1	131	25.12	25.00	24.85
		64	0	24.64	24.59	24.60
		64	35	25.74	25.90	25.82
		64	69	24.53	24.52	24.51
		128	0	24.71	24.71	24.48
	DFT-S 16QAM	1	1	23.59	23.75	23.89
	DFT-S 64QAM	1	1	22.21	22.27	22.34
	DFT-S 256QAM	1	1	20.44	20.54	20.54
	CP QPSK	1	1	23.23	23.35	23.59

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-S PI/2 BPSK	1	1	24.72	24.79	24.51
		1	53	25.61	25.68	25.65
		1	104	24.82	24.90	25.00
		50	0	25.10	25.00	25.13
		50	28	25.79	25.73	25.56
		50	56	25.17	25.23	25.07
		100	0	25.17	25.25	25.12
	DFT-S QPSK	1	1	24.84	25.10	24.81
		1	53	26.02	25.95	25.84
		1	104	25.11	25.23	25.05
		50	0	24.65	24.75	24.48
		50	28	25.86	26.00	25.72
		50	56	24.56	24.61	24.65
		100	0	24.52	24.85	24.75
	DFT-S 16QAM	1	1	23.84	23.97	23.80
	DFT-S 64QAM	1	1	22.37	22.34	22.43
	DFT-S 256QAM	1	1	20.37	20.58	20.56
	CP QPSK	1	1	23.35	23.31	23.45

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-S PI/2 BPSK	1	1	24.75	24.81	24.57
		1	26	25.53	25.64	25.43
		1	49	24.87	25.01	24.82
		25	0	25.08	25.24	25.17
		25	13	25.61	25.67	25.75
		25	26	25.20	25.21	25.21
		50	0	24.95	25.40	25.31
	DFT-S QPSK	1	1	25.02	24.99	24.84
		1	26	25.97	25.97	25.87
		1	49	25.20	25.06	24.91
		25	0	24.74	24.77	24.53
		25	13	25.67	25.97	25.92
		25	26	24.48	24.59	24.60
		50	0	24.69	24.87	24.48
	DFT-S 16QAM	1	1	23.60	23.76	23.66
	DFT-S 64QAM	1	1	22.37	22.47	22.28
	DFT-S 256QAM	1	1	20.43	20.58	20.43
	CP QPSK	1	1	23.29	23.51	23.44

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	DFT-S PI/2 BPSK	1	1	24.68	24.79	24.83
		1	19	25.72	25.63	25.57
		1	36	24.78	24.76	24.86
		18	0	25.02	25.12	25.02
		18	10	25.74	25.74	25.57
		18	20	25.10	25.16	25.04
		36	0	25.36	25.36	25.11
	DFT-S QPSK	1	1	24.88	25.06	24.93
		1	19	25.91	25.90	26.06
		1	36	25.18	24.99	24.98
		18	0	24.72	24.75	24.78
		18	10	25.65	25.70	25.77
		18	20	24.65	24.57	24.59
		36	0	24.52	24.69	24.74
	DFT-S 16QAM	1	1	23.71	23.93	23.69
	DFT-S 64QAM	1	1	22.28	22.27	22.25
	DFT-S 256QAM	1	1	20.42	20.42	20.35
	CP QPSK	1	1	23.34	23.57	23.48

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	DFT-S PI/2 BPSK	1	1	24.54	24.63	24.52
		1	11	25.48	25.77	25.50
		1	22	24.87	24.88	24.99
		12	0	25.03	25.20	25.16
		12	6	25.62	25.80	25.74
		12	12	25.22	25.17	24.97
		24	0	25.12	25.33	25.15
	DFT-S QPSK	1	1	24.70	25.06	24.76
		1	11	26.06	25.95	25.97
		1	22	25.16	25.12	25.12
		12	0	24.62	24.63	24.69
		12	6	25.90	26.00	25.74
		12	12	24.50	24.49	24.53
		24	0	24.50	24.62	24.74
	DFT-S 16QAM	1	1	23.69	23.77	23.57
	DFT-S 64QAM	1	1	22.33	22.42	22.39
	DFT-S 256QAM	1	1	20.44	20.63	20.49
	CP QPSK	1	1	23.42	23.62	23.53

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

7.1.6 NR n66 SCS 15 kHz

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		346000	349000	352000
		Frequency (MHz)		1730	1745	1760
40M	DFT-S PI/2 BPSK	1	1	22.79	23.14	22.80
		1	108	22.88	22.89	22.96
		1	214	22.64	22.77	22.68
		108	0	22.53	22.61	22.66
		108	54	22.29	22.32	22.30
		108	108	22.67	22.83	22.71
		216	0	22.55	22.66	22.58
	DFT-S QPSK	1	1	22.65	22.88	22.66
		1	108	22.14	22.29	22.20
		1	214	22.87	22.97	22.96
		108	0	22.39	22.37	22.28
		108	54	22.33	22.43	22.34
		108	108	22.19	22.32	22.36
		216	0	22.23	22.37	22.38
	DFT-S 16QAM	1	1	22.02	22.11	21.97
	DFT-S 64QAM	1	1	20.57	20.68	20.59
	DFT-S 256QAM	1	1	18.83	18.93	18.80
	CP QPSK	1	1	21.41	21.41	21.43

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-S PI/2 BPSK	1	1	22.39	22.52	22.55
		1	53	22.95	23.07	22.94
		1	104	22.59	22.68	22.48
		50	0	22.37	22.61	22.58
		50	28	22.14	22.17	22.11
		50	56	22.67	22.73	22.70
		100	0	22.57	22.70	22.63
	DFT-S QPSK	1	1	22.68	22.85	22.76
		1	53	22.24	22.17	22.21
		1	104	22.85	22.82	22.87
		50	0	22.28	22.34	22.33
		50	28	22.19	22.42	22.22
		50	56	22.21	22.22	22.21
		100	0	22.27	22.34	22.23
	DFT-S 16QAM	1	1	21.90	22.01	21.90
	DFT-S 64QAM	1	1	20.54	20.61	20.49
	DFT-S 256QAM	1	1	18.77	18.85	18.84
	CP QPSK	1	1	21.29	21.36	21.22

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-S PI/2 BPSK	1	1	22.40	22.51	22.48
		1	40	22.84	23.03	22.88
		1	77	22.63	22.75	22.59
		36	0	22.38	22.46	22.48
		36	22	22.10	22.20	22.07
		36	43	22.59	22.80	22.62
		75	0	22.58	22.55	22.55
	DFT-S QPSK	1	1	22.66	22.68	22.69
		1	40	22.22	22.30	22.30
		1	77	22.83	22.88	22.86
		36	0	22.33	22.26	22.25
		36	22	22.22	22.30	22.22
		36	43	22.28	22.31	22.15
		75	0	22.25	22.23	22.18
	DFT-S 16QAM	1	1	21.89	22.04	21.94
	DFT-S 64QAM	1	1	20.60	20.61	20.52
	DFT-S 256QAM	1	1	18.88	18.78	18.84
	CP QPSK	1	1	21.30	21.36	21.24

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-S PI/2 BPSK	1	1	22.46	22.52	22.47
		1	26	22.94	23.03	22.86
		1	50	22.57	22.65	22.50
		25	0	22.46	22.55	22.49
		25	14	22.09	22.26	22.09
		25	27	22.61	22.67	22.59
		50	0	22.53	22.62	22.69
	DFT-S QPSK	1	1	22.77	22.77	22.63
		1	26	22.05	22.16	22.23
		1	50	22.86	22.82	22.92
		25	0	22.25	22.26	22.21
		25	14	22.24	22.26	22.27
		25	27	22.19	22.22	22.22
		50	0	22.30	22.38	22.10
	DFT-S 16QAM	1	1	21.88	22.09	21.92
	DFT-S 64QAM	1	1	20.58	20.62	20.39
	DFT-S 256QAM	1	1	18.81	18.95	18.88
	CP QPSK	1	1	21.28	21.42	21.31

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-S PI/2 BPSK	1	1	22.42	22.51	22.54
		1	13	22.98	23.04	22.98
		1	23	22.69	22.70	22.60
		12	0	22.43	22.56	22.40
		12	7	22.03	22.20	22.08
		12	13	22.51	22.77	22.56
		25	0	22.56	22.53	22.55
	DFT-S QPSK	1	1	22.70	22.83	22.69
		1	13	22.21	22.27	22.25
		1	23	22.85	22.90	22.84
		12	0	22.22	22.29	22.23
		12	7	22.26	22.32	22.16
		12	13	22.28	22.22	22.21
		25	0	22.22	22.36	22.10
	DFT-S 16QAM	1	1	21.95	21.93	21.97
	DFT-S 64QAM	1	1	20.50	20.57	20.39
	DFT-S 256QAM	1	1	18.81	18.85	18.84
	CP QPSK	1	1	21.36	21.33	21.36

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		346000	349000	352000
		Frequency (MHz)		1730	1745	1760
40M	DFT-S PI/2 BPSK	1	1	24.82	25.17	24.83
		1	108	24.91	24.92	24.99
		1	214	24.67	24.80	24.71
		108	0	24.56	24.64	24.69
		108	54	24.32	24.35	24.33
		108	108	24.70	24.86	24.74
		216	0	24.58	24.69	24.61
	DFT-S QPSK	1	1	24.68	24.91	24.69
		1	108	24.17	24.32	24.23
		1	214	24.90	25.00	24.99
		108	0	24.42	24.40	24.31
		108	54	24.36	24.46	24.37
		108	108	24.22	24.35	24.39
		216	0	24.26	24.40	24.41
	DFT-S 16QAM	1	1	24.05	24.14	24.00
	DFT-S 64QAM	1	1	22.60	22.71	22.62
	DFT-S 256QAM	1	1	20.86	20.96	20.83
	CP QPSK	1	1	23.44	23.44	23.46

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-S PI/2 BPSK	1	1	24.42	24.55	24.58
		1	53	24.98	25.10	24.97
		1	104	24.62	24.71	24.51
		50	0	24.40	24.64	24.61
		50	28	24.17	24.20	24.14
		50	56	24.70	24.76	24.73
		100	0	24.60	24.73	24.66
	DFT-S QPSK	1	1	24.71	24.88	24.79
		1	53	24.27	24.20	24.24
		1	104	24.88	24.85	24.90
		50	0	24.31	24.37	24.36
		50	28	24.22	24.45	24.25
		50	56	24.24	24.25	24.24
		100	0	24.30	24.37	24.26
	DFT-S 16QAM	1	1	23.93	24.04	23.93
	DFT-S 64QAM	1	1	22.57	22.64	22.52
	DFT-S 256QAM	1	1	20.80	20.88	20.87
	CP QPSK	1	1	23.32	23.39	23.25

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-S PI/2 BPSK	1	1	24.43	24.54	24.51
		1	40	24.87	25.06	24.91
		1	77	24.66	24.78	24.62
		36	0	24.41	24.49	24.51
		36	22	24.13	24.23	24.10
		36	43	24.62	24.83	24.65
		75	0	24.61	24.58	24.58
	DFT-S QPSK	1	1	24.69	24.71	24.72
		1	40	24.25	24.33	24.33
		1	77	24.86	24.91	24.89
		36	0	24.36	24.29	24.28
		36	22	24.25	24.33	24.25
		36	43	24.31	24.34	24.18
		75	0	24.28	24.26	24.21
	DFT-S 16QAM	1	1	23.92	24.07	23.97
	DFT-S 64QAM	1	1	22.63	22.64	22.55
	DFT-S 256QAM	1	1	20.91	20.81	20.87
	CP QPSK	1	1	23.33	23.39	23.27

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-S PI/2 BPSK	1	1	24.49	24.55	24.50
		1	26	24.97	25.06	24.89
		1	50	24.60	24.68	24.53
		25	0	24.49	24.58	24.52
		25	14	24.12	24.29	24.12
		25	27	24.64	24.70	24.62
		50	0	24.56	24.65	24.72
	DFT-S QPSK	1	1	24.80	24.80	24.66
		1	26	24.08	24.19	24.26
		1	50	24.89	24.85	24.95
		25	0	24.28	24.29	24.24
		25	14	24.27	24.29	24.30
		25	27	24.22	24.25	24.25
		50	0	24.33	24.41	24.13
	DFT-S 16QAM	1	1	23.91	24.12	23.95
	DFT-S 64QAM	1	1	22.61	22.65	22.42
	DFT-S 256QAM	1	1	20.84	20.98	20.91
	CP QPSK	1	1	23.31	23.45	23.34

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-S PI/2 BPSK	1	1	24.45	24.54	24.57
		1	13	25.01	25.07	25.01
		1	23	24.72	24.73	24.63
		12	0	24.46	24.59	24.43
		12	7	24.06	24.23	24.11
		12	13	24.54	24.80	24.59
		25	0	24.59	24.56	24.58
	DFT-S QPSK	1	1	24.73	24.86	24.72
		1	13	24.24	24.30	24.28
		1	23	24.88	24.93	24.87
		12	0	24.25	24.32	24.26
		12	7	24.29	24.35	24.19
		12	13	24.31	24.25	24.24
		25	0	24.25	24.39	24.13
	DFT-S 16QAM	1	1	23.98	23.96	24.00
	DFT-S 64QAM	1	1	22.53	22.60	22.42
	DFT-S 256QAM	1	1	20.84	20.88	20.87
	CP QPSK	1	1	23.39	23.36	23.39

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

7.1.7 NR n71 SCS 15 kHz

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134600	136100	137600
		Frequency (MHz)		673	680.5	688
20M	DFT-S PI/2 BPSK	1	1	23.38	23.38	23.35
		1	40	23.41	23.50	23.48
		1	77	23.47	23.65	23.66
		36	0	22.97	23.07	23.00
		36	22	23.75	23.83	23.75
		36	43	23.63	23.69	23.61
		75	0	23.21	23.25	23.14
	DFT-S QPSK	1	1	23.52	23.56	23.39
		1	40	23.40	23.55	23.51
		1	77	23.61	23.76	23.72
		36	0	22.55	22.60	22.54
		36	22	22.69	22.78	22.73
		36	43	22.70	22.75	22.74
		75	0	22.55	22.63	22.50
	DFT-S 16QAM	1	1	22.55	22.72	22.57
	DFT-S 64QAM	1	1	20.96	20.94	20.79
	DFT-S 256QAM	1	1	19.22	19.28	19.35
	CP QPSK	1	1	21.95	22.12	22.06

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134100	136100	138100
		Frequency (MHz)		670.5	680.5	690.5
15M	DFT-S PI/2 BPSK	1	1	23.22	23.33	23.31
		1	40	23.42	23.43	23.51
		1	77	23.54	23.61	23.47
		36	0	22.96	23.00	22.98
		36	22	23.66	23.71	23.57
		36	43	23.58	23.67	23.49
		75	0	22.97	23.25	23.15
	DFT-S QPSK	1	1	23.31	23.38	23.33
		1	40	23.33	23.44	23.35
		1	77	23.59	23.68	23.66
		36	0	22.50	22.61	22.44
		36	22	22.60	22.65	22.60
		36	43	22.63	22.67	22.54
		75	0	22.64	22.64	22.55
	DFT-S 16QAM	1	1	22.59	22.69	22.58
	DFT-S 64QAM	1	1	20.86	20.92	20.76
	DFT-S 256QAM	1	1	19.23	19.23	19.25
	CP QPSK	1	1	22.05	21.96	21.92

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133600	136100	138600
		Frequency (MHz)		668	680.5	693
10M	DFT-S PI/2 BPSK	1	1	23.24	23.36	23.23
		1	26	23.44	23.40	23.39
		1	50	23.42	23.56	23.51
		25	0	23.00	23.02	22.92
		25	14	23.66	23.82	23.58
		25	27	23.57	23.58	23.48
		50	0	23.02	23.19	23.04
	DFT-S QPSK	1	1	23.42	23.50	23.32
		1	26	23.33	23.44	23.46
		1	50	23.57	23.77	23.67
		25	0	22.47	22.51	22.44
		25	14	22.51	22.77	22.58
		25	27	22.61	22.62	22.58
		50	0	22.54	22.61	22.59
	DFT-S 16QAM	1	1	22.52	22.59	22.59
	DFT-S 64QAM	1	1	20.79	20.98	20.82
	DFT-S 256QAM	1	1	19.25	19.23	19.26
	CP QPSK	1	1	21.94	22.02	21.91

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133100	136100	139100
		Frequency (MHz)		665.5	680.5	695.5
5M	DFT-S PI/2 BPSK	1	1	23.38	23.32	23.34
		1	13	23.43	23.38	23.40
		1	23	23.53	23.66	23.46
		12	0	22.95	23.04	22.99
		12	7	23.56	23.74	23.72
		12	13	23.53	23.68	23.51
		25	0	23.13	23.21	23.13
	DFT-S QPSK	1	1	23.31	23.47	23.34
		1	13	23.39	23.45	23.50
		1	23	23.71	23.79	23.63
		12	0	22.33	22.57	22.50
		12	7	22.60	22.64	22.56
		12	13	22.60	22.66	22.65
		25	0	22.64	22.58	22.57
	DFT-S 16QAM	1	1	22.61	22.66	22.55
	DFT-S 64QAM	1	1	20.87	20.84	20.78
	DFT-S 256QAM	1	1	19.26	19.23	19.23
	CP QPSK	1	1	21.95	22.07	21.82

ERP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134600	136100	137600
		Frequency (MHz)		673	680.5	688
20M	DFT-S PI/2 BPSK	1	1	22.86	22.86	22.83
		1	40	22.89	22.98	22.96
		1	77	22.95	23.13	23.14
		36	0	22.45	22.55	22.48
		36	22	23.23	23.31	23.23
		36	43	23.11	23.17	23.09
		75	0	22.69	22.73	22.62
	DFT-S QPSK	1	1	23.00	23.04	22.87
		1	40	22.88	23.03	22.99
		1	77	23.09	23.24	23.20
		36	0	22.03	22.08	22.02
		36	22	22.17	22.26	22.21
		36	43	22.18	22.23	22.22
		75	0	22.03	22.11	21.98
	DFT-S 16QAM	1	1	22.03	22.20	22.05
	DFT-S 64QAM	1	1	20.44	20.42	20.27
	DFT-S 256QAM	1	1	18.70	18.76	18.83
	CP QPSK	1	1	21.43	21.60	21.54

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134100	136100	138100
		Frequency (MHz)		670.5	680.5	690.5
15M	DFT-S PI/2 BPSK	1	1	22.70	22.81	22.79
		1	40	22.90	22.91	22.99
		1	77	23.02	23.09	22.95
		36	0	22.44	22.48	22.46
		36	22	23.14	23.19	23.05
		36	43	23.06	23.15	22.97
		75	0	22.45	22.73	22.63
	DFT-S QPSK	1	1	22.79	22.86	22.81
		1	40	22.81	22.92	22.83
		1	77	23.07	23.16	23.14
		36	0	21.98	22.09	21.92
		36	22	22.08	22.13	22.08
		36	43	22.11	22.15	22.02
		75	0	22.12	22.12	22.03
	DFT-S 16QAM	1	1	22.07	22.17	22.06
	DFT-S 64QAM	1	1	20.34	20.40	20.24
	DFT-S 256QAM	1	1	18.71	18.71	18.73
	CP QPSK	1	1	21.53	21.44	21.40

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133600	136100	138600
		Frequency (MHz)		668	680.5	693
10M	DFT-S PI/2 BPSK	1	1	22.72	22.84	22.71
		1	26	22.92	22.88	22.87
		1	50	22.90	23.04	22.99
		25	0	22.48	22.50	22.40
		25	14	23.14	23.30	23.06
		25	27	23.05	23.06	22.96
		50	0	22.50	22.67	22.52
	DFT-S QPSK	1	1	22.90	22.98	22.80
		1	26	22.81	22.92	22.94
		1	50	23.05	23.25	23.15
		25	0	21.95	21.99	21.92
		25	14	21.99	22.25	22.06
		25	27	22.09	22.10	22.06
		50	0	22.02	22.09	22.07
	DFT-S 16QAM	1	1	22.00	22.07	22.07
	DFT-S 64QAM	1	1	20.27	20.46	20.30
	DFT-S 256QAM	1	1	18.73	18.71	18.74
	CP QPSK	1	1	21.42	21.50	21.39

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133100	136100	139100
		Frequency (MHz)		665.5	680.5	695.5
5M	DFT-S PI/2 BPSK	1	1	22.86	22.80	22.82
		1	13	22.91	22.86	22.88
		1	23	23.01	23.14	22.94
		12	0	22.43	22.52	22.47
		12	7	23.04	23.22	23.20
		12	13	23.01	23.16	22.99
		25	0	22.61	22.69	22.61
	DFT-S QPSK	1	1	22.79	22.95	22.82
		1	13	22.87	22.93	22.98
		1	23	23.19	23.27	23.11
		12	0	21.81	22.05	21.98
		12	7	22.08	22.12	22.04
		12	13	22.08	22.14	22.13
		25	0	22.12	22.06	22.05
	DFT-S 16QAM	1	1	22.09	22.14	22.03
	DFT-S 64QAM	1	1	20.35	20.32	20.26
	DFT-S 256QAM	1	1	18.74	18.71	18.71
	CP QPSK	1	1	21.43	21.55	21.30

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.8 NR n77 (3450-3550 MHz) SCS 30 kHz (PC2)

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequency (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	24.97
		1	137	26.17
		1	271	24.78
		135	0	25.27
		135	69	26.37
		135	138	24.96
		270	0	25.43
	DFT-S QPSK	1	1	24.98
		1	137	24.85
		1	271	24.41
		135	0	24.58
		135	69	25.44
		135	138	24.06
		270	0	24.66
	DFT-S 16QAM	1	1	24.09
	DFT-S 64QAM	1	1	22.70
	DFT-S 256QAM	1	1	20.64
	CP QPSK	1	1	23.13

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	25.02	24.94	24.90
		1	123	25.32	25.52	25.59
		1	243	24.82	24.89	24.93
		120	0	25.23	24.95	25.15
		120	63	26.09	25.71	25.85
		120	125	25.11	24.90	24.81
		243	0	25.20	25.16	25.25
	DFT-S QPSK	1	1	25.22	24.74	25.04
		1	123	24.92	24.79	24.90
		1	243	24.41	24.33	24.33
		120	0	24.46	24.37	24.53
		120	63	25.27	25.36	25.35
		120	125	24.03	24.16	24.14
		243	0	24.33	24.38	24.37
	DFT-S 16QAM	1	1	23.98	23.93	23.89
	DFT-S 64QAM	1	1	22.58	22.68	22.53
	DFT-S 256QAM	1	1	20.52	20.51	20.56
	CP QPSK	1	1	22.92	23.13	22.96

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	25.06	25.28	24.94
		1	109	25.63	25.45	25.78
		1	215	24.66	24.75	24.73
		108	0	25.11	25.22	25.15
		108	55	25.88	25.83	25.95
		108	109	24.98	25.10	24.93
		216	0	25.17	25.20	25.16
	DFT-S QPSK	1	1	24.93	24.80	24.95
		1	109	24.71	24.98	24.77
		1	215	24.21	24.12	24.18
		108	0	24.56	24.23	24.59
		108	55	25.43	25.35	25.13
		108	109	24.18	24.17	23.97
		216	0	24.25	24.55	24.15
	DFT-S 16QAM	1	1	23.76	23.89	23.89
	DFT-S 64QAM	1	1	22.67	22.62	22.62
	DFT-S 256QAM	1	1	20.40	20.48	20.41
	CP QPSK	1	1	23.19	23.01	23.22

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	25.01	24.94	25.01
		1	95	25.71	25.47	25.58
		1	187	24.68	24.72	24.69
		90	0	25.15	25.18	25.13
		90	50	26.11	25.68	26.11
		90	99	25.09	25.14	25.23
		180	0	25.28	25.45	25.34
	DFT-S QPSK	1	1	24.82	25.17	24.90
		1	95	24.69	24.91	24.74
		1	187	24.23	24.17	24.40
		90	0	24.29	24.47	24.28
		90	50	25.49	25.57	25.51
		90	99	24.14	23.99	24.03
		180	0	24.49	24.47	24.60
	DFT-S 16QAM	1	1	23.88	23.89	24.01
	DFT-S 64QAM	1	1	22.54	22.75	22.82
	DFT-S 256QAM	1	1	20.56	20.49	20.65
	CP QPSK	1	1	22.88	23.20	23.08

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	24.88	24.94	25.21
		1	81	25.41	25.46	25.63
		1	160	24.77	24.60	24.65
		81	0	25.23	24.96	25.20
		81	41	25.79	26.01	25.75
		81	81	24.84	25.04	24.81
		162	0	25.38	25.23	25.46
	DFT-S QPSK	1	1	24.81	25.06	24.85
		1	81	24.89	24.85	24.81
		1	160	24.18	24.25	24.32
		81	0	24.54	24.52	24.26
		81	41	25.29	25.25	25.30
		81	81	24.02	24.09	23.91
		162	0	24.49	24.37	24.60
	DFT-S 16QAM	1	1	23.75	23.83	23.90
	DFT-S 64QAM	1	1	22.66	22.38	22.63
	DFT-S 256QAM	1	1	20.35	20.42	20.58
	CP QPSK	1	1	23.07	22.89	23.14

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	25.17	25.15	25.05
		1	67	25.38	25.44	25.50
		1	131	24.93	24.57	24.56
		64	0	25.21	25.36	25.23
		64	35	25.83	25.78	26.06
		64	69	25.12	24.94	25.14
		128	0	25.38	25.17	25.10
	DFT-S QPSK	1	1	24.99	25.08	24.95
		1	67	25.03	25.01	24.92
		1	131	24.18	24.06	24.16
		64	0	24.46	24.33	24.43
		64	35	25.28	25.40	25.28
		64	69	23.92	24.00	24.12
		128	0	24.30	24.41	24.37
	DFT-S 16QAM	1	1	23.92	23.88	23.71
	DFT-S 64QAM	1	1	22.46	22.58	22.69
	DFT-S 256QAM	1	1	20.58	20.39	20.55
	CP QPSK	1	1	23.15	23.02	23.07

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	25.08	25.10	24.99
		1	53	25.49	25.67	25.49
		1	104	24.80	24.83	24.74
		50	0	25.00	25.03	24.92
		50	28	25.89	25.95	25.85
		50	56	25.11	25.10	25.00
		100	0	25.43	25.40	25.30
	DFT-S QPSK	1	1	25.04	25.09	24.89
		1	53	24.83	24.75	24.85
		1	104	24.24	24.11	24.05
		50	0	24.34	24.45	24.24
		50	28	25.42	25.18	25.12
		50	56	24.12	24.15	24.16
		100	0	24.52	24.36	24.61
	DFT-S 16QAM	1	1	23.75	24.06	23.94
	DFT-S 64QAM	1	1	22.51	22.43	22.70
	DFT-S 256QAM	1	1	20.42	20.31	20.34
	CP QPSK	1	1	23.19	23.11	22.94

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	24.92	25.11	25.07
		1	26	25.40	25.53	25.64
		1	49	24.85	24.59	24.76
		25	0	25.04	25.04	25.03
		25	13	25.80	25.88	25.85
		25	26	24.96	25.03	25.00
		50	0	25.41	25.50	25.08
	DFT-S QPSK	1	1	24.82	25.00	24.84
		1	26	24.91	24.89	24.68
		1	49	24.35	24.39	24.25
		25	0	24.41	24.43	24.24
		25	13	25.37	25.31	25.37
		25	26	23.98	23.95	24.09
		50	0	24.42	24.58	24.35
	DFT-S 16QAM	1	1	23.73	23.84	24.01
	DFT-S 64QAM	1	1	22.48	22.68	22.51
	DFT-S 256QAM	1	1	20.45	20.55	20.28
	CP QPSK	1	1	23.06	23.06	22.96

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	25.09	25.28	24.95
		1	26	25.44	25.56	25.68
		1	49	24.90	24.89	24.73
		25	0	24.95	25.08	25.24
		25	13	25.73	25.74	25.88
		25	26	24.97	24.98	25.11
		50	0	25.16	25.14	25.30
	DFT-S QPSK	1	1	24.83	24.77	25.10
		1	26	24.87	24.96	24.75
		1	49	24.09	24.08	24.13
		25	0	24.31	24.32	24.51
		25	13	25.24	25.40	25.45
		25	26	23.93	24.06	24.03
		50	0	24.42	24.40	24.52
	DFT-S 16QAM	1	1	24.10	23.88	23.92
	DFT-S 64QAM	1	1	22.65	22.63	22.70
	DFT-S 256QAM	1	1	20.25	20.40	20.50
	CP QPSK	1	1	22.97	22.97	23.13

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	636666	636166
		Frequency (MHz)		3457.5	3549.99	3542.49
15M	DFT-S PI/2 BPSK	1	1	24.94	24.84	25.09
		1	19	25.50	25.39	25.43
		1	36	24.63	24.83	24.67
		18	0	25.34	25.04	25.02
		18	10	25.82	25.97	25.96
		18	20	25.13	25.00	24.93
		36	0	25.31	25.37	25.10
	DFT-S QPSK	1	1	25.08	25.02	24.95
		1	19	24.79	24.92	24.89
		1	36	24.37	24.11	24.11
		18	0	24.52	24.32	24.29
		18	10	25.22	25.38	25.41
		18	20	23.97	24.11	24.17
		36	0	24.38	24.49	24.37
	DFT-S 16QAM	1	1	23.74	23.76	23.79
	DFT-S 64QAM	1	1	22.43	22.70	22.53
	DFT-S 256QAM	1	1	20.46	20.42	20.39
	CP QPSK	1	1	23.13	23.14	23.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	636666	636332
		Frequency (MHz)		3455.01	3549.99	3544.98
10M	DFT-S PI/2 BPSK	1	1	24.89	25.12	24.99
		1	11	25.33	25.78	25.76
		1	22	24.50	24.69	24.75
		12	0	24.95	25.02	25.27
		12	6	26.08	25.99	25.75
		12	12	24.94	25.02	25.14
		24	0	25.14	25.25	25.34
	DFT-S QPSK	1	1	24.83	25.13	24.73
		1	11	25.05	24.96	24.72
		1	22	24.15	24.24	24.17
		12	0	24.50	24.35	24.26
		12	6	25.34	25.40	25.42
		12	12	24.29	24.05	24.17
		24	0	24.24	24.17	24.34
	DFT-S 16QAM	1	1	23.94	23.91	23.95
	DFT-S 64QAM	1	1	22.53	22.59	22.54
	DFT-S 256QAM	1	1	20.36	20.29	20.53
	CP QPSK	1	1	22.87	22.88	23.22

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequency (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	27.59
		1	137	28.79
		1	271	27.40
		135	0	27.89
		135	69	28.99
		135	138	27.58
		270	0	28.05
	DFT-S QPSK	1	1	27.60
		1	137	27.47
		1	271	27.03
		135	0	27.20
		135	69	28.06
		135	138	26.68
		270	0	27.28
	DFT-S 16QAM	1	1	26.71
	DFT-S 64QAM	1	1	25.32
	DFT-S 256QAM	1	1	23.26
	CP QPSK	1	1	25.75

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	27.64	27.56	27.52
		1	123	27.94	28.14	28.21
		1	243	27.44	27.51	27.55
		120	0	27.85	27.57	27.77
		120	63	28.71	28.33	28.47
		120	125	27.73	27.52	27.43
		243	0	27.82	27.78	27.87
	DFT-S QPSK	1	1	27.84	27.36	27.66
		1	123	27.54	27.41	27.52
		1	243	27.03	26.95	26.95
		120	0	27.08	26.99	27.15
		120	63	27.89	27.98	27.97
		120	125	26.65	26.78	26.76
		243	0	26.95	27.00	26.99
	DFT-S 16QAM	1	1	26.60	26.55	26.51
	DFT-S 64QAM	1	1	25.20	25.30	25.15
	DFT-S 256QAM	1	1	23.14	23.13	23.18
	CP QPSK	1	1	25.54	25.75	25.58

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	27.68	27.90	27.56
		1	109	28.25	28.07	28.40
		1	215	27.28	27.37	27.35
		108	0	27.73	27.84	27.77
		108	55	28.50	28.45	28.57
		108	109	27.60	27.72	27.55
		216	0	27.79	27.82	27.78
	DFT-S QPSK	1	1	27.55	27.42	27.57
		1	109	27.33	27.60	27.39
		1	215	26.83	26.74	26.80
		108	0	27.18	26.85	27.21
		108	55	28.05	27.97	27.75
		108	109	26.80	26.79	26.59
		216	0	26.87	27.17	26.77
	DFT-S 16QAM	1	1	26.38	26.51	26.51
	DFT-S 64QAM	1	1	25.29	25.24	25.24
	DFT-S 256QAM	1	1	23.02	23.10	23.03
	CP QPSK	1	1	25.81	25.63	25.84

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	27.63	27.56	27.63
		1	95	28.33	28.09	28.20
		1	187	27.30	27.34	27.31
		90	0	27.77	27.80	27.75
		90	50	28.73	28.30	28.73
		90	99	27.71	27.76	27.85
		180	0	27.90	28.07	27.96
	DFT-S QPSK	1	1	27.44	27.79	27.52
		1	95	27.31	27.53	27.36
		1	187	26.85	26.79	27.02
		90	0	26.91	27.09	26.90
		90	50	28.11	28.19	28.13
		90	99	26.76	26.61	26.65
		180	0	27.11	27.09	27.22
	DFT-S 16QAM	1	1	26.50	26.51	26.63
	DFT-S 64QAM	1	1	25.16	25.37	25.44
	DFT-S 256QAM	1	1	23.18	23.11	23.27
	CP QPSK	1	1	25.50	25.82	25.70

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	27.50	27.56	27.83
		1	81	28.03	28.08	28.25
		1	160	27.39	27.22	27.27
		81	0	27.85	27.58	27.82
		81	41	28.41	28.63	28.37
		81	81	27.46	27.66	27.43
		162	0	28.00	27.85	28.08
	DFT-S QPSK	1	1	27.43	27.68	27.47
		1	81	27.51	27.47	27.43
		1	160	26.80	26.87	26.94
		81	0	27.16	27.14	26.88
		81	41	27.91	27.87	27.92
		81	81	26.64	26.71	26.53
		162	0	27.11	26.99	27.22
	DFT-S 16QAM	1	1	26.37	26.45	26.52
	DFT-S 64QAM	1	1	25.28	25.00	25.25
	DFT-S 256QAM	1	1	22.97	23.04	23.20
	CP QPSK	1	1	25.69	25.51	25.76

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	27.79	27.77	27.67
		1	67	28.00	28.06	28.12
		1	131	27.55	27.19	27.18
		64	0	27.83	27.98	27.85
		64	35	28.45	28.40	28.68
		64	69	27.74	27.56	27.76
		128	0	28.00	27.79	27.72
	DFT-S QPSK	1	1	27.61	27.70	27.57
		1	67	27.65	27.63	27.54
		1	131	26.80	26.68	26.78
		64	0	27.08	26.95	27.05
		64	35	27.90	28.02	27.90
		64	69	26.54	26.62	26.74
		128	0	26.92	27.03	26.99
	DFT-S 16QAM	1	1	26.54	26.50	26.33
	DFT-S 64QAM	1	1	25.08	25.20	25.31
	DFT-S 256QAM	1	1	23.20	23.01	23.17
	CP QPSK	1	1	25.77	25.64	25.69

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	27.70	27.72	27.61
		1	53	28.11	28.29	28.11
		1	104	27.42	27.45	27.36
		50	0	27.62	27.65	27.54
		50	28	28.51	28.57	28.47
		50	56	27.73	27.72	27.62
		100	0	28.05	28.02	27.92
	DFT-S QPSK	1	1	27.66	27.71	27.51
		1	53	27.45	27.37	27.47
		1	104	26.86	26.73	26.67
		50	0	26.96	27.07	26.86
		50	28	28.04	27.80	27.74
		50	56	26.74	26.77	26.78
		100	0	27.14	26.98	27.23
	DFT-S 16QAM	1	1	26.37	26.68	26.56
	DFT-S 64QAM	1	1	25.13	25.05	25.32
	DFT-S 256QAM	1	1	23.04	22.93	22.96
	CP QPSK	1	1	25.81	25.73	25.56

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	27.54	27.73	27.69
		1	53	28.02	28.15	28.26
		1	104	27.47	27.21	27.38
		50	0	27.66	27.66	27.65
		50	28	28.42	28.50	28.47
		50	56	27.58	27.65	27.62
		100	0	28.03	28.12	27.70
	DFT-S QPSK	1	1	27.44	27.62	27.46
		1	53	27.53	27.51	27.30
		1	104	26.97	27.01	26.87
		50	0	27.03	27.05	26.86
		50	28	27.99	27.93	27.99
		50	56	26.60	26.57	26.71
		100	0	27.04	27.20	26.97
	DFT-S 16QAM	1	1	26.35	26.46	26.63
	DFT-S 64QAM	1	1	25.10	25.30	25.13
	DFT-S 256QAM	1	1	23.07	23.17	22.90
	CP QPSK	1	1	25.68	25.68	25.58

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	27.71	27.90	27.57
		1	26	28.06	28.18	28.30
		1	49	27.52	27.51	27.35
		25	0	27.57	27.70	27.86
		25	13	28.35	28.36	28.50
		25	26	27.59	27.60	27.73
		50	0	27.78	27.76	27.92
	DFT-S QPSK	1	1	27.45	27.39	27.72
		1	26	27.49	27.58	27.37
		1	49	26.71	26.70	26.75
		25	0	26.93	26.94	27.13
		25	13	27.86	28.02	28.07
		25	26	26.55	26.68	26.65
		50	0	27.04	27.02	27.14
	DFT-S 16QAM	1	1	26.72	26.50	26.54
	DFT-S 64QAM	1	1	25.27	25.25	25.32
	DFT-S 256QAM	1	1	22.87	23.02	23.12
	CP QPSK	1	1	25.59	25.59	25.75

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	636666	636166
		Frequency (MHz)		3457.5	3549.99	3542.49
15M	DFT-S PI/2 BPSK	1	1	27.56	27.46	27.71
		1	19	28.12	28.01	28.05
		1	36	27.25	27.45	27.29
		18	0	27.96	27.66	27.64
		18	10	28.44	28.59	28.58
		18	20	27.75	27.62	27.55
		36	0	27.93	27.99	27.72
	DFT-S QPSK	1	1	27.70	27.64	27.57
		1	19	27.41	27.54	27.51
		1	36	26.99	26.73	26.73
		18	0	27.14	26.94	26.91
		18	10	27.84	28.00	28.03
		18	20	26.59	26.73	26.79
		36	0	27.00	27.11	26.99
	DFT-S 16QAM	1	1	26.36	26.38	26.41
	DFT-S 64QAM	1	1	25.05	25.32	25.15
	DFT-S 256QAM	1	1	23.08	23.04	23.01
	CP QPSK	1	1	25.75	25.76	25.77

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	636666	636332
		Frequency (MHz)		3455.01	3549.99	3544.98
10M	DFT-S PI/2 BPSK	1	1	27.51	27.74	27.61
		1	11	27.95	28.40	28.38
		1	22	27.12	27.31	27.37
		12	0	27.57	27.64	27.89
		12	6	28.70	28.61	28.37
		12	12	27.56	27.64	27.76
		24	0	27.76	27.87	27.96
	DFT-S QPSK	1	1	27.45	27.75	27.35
		1	11	27.67	27.58	27.34
		1	22	26.77	26.86	26.79
		12	0	27.12	26.97	26.88
		12	6	27.96	28.02	28.04
		12	12	26.91	26.67	26.79
		24	0	26.86	26.79	26.96
	DFT-S 16QAM	1	1	26.56	26.53	26.57
	DFT-S 64QAM	1	1	25.15	25.21	25.16
	DFT-S 256QAM	1	1	22.98	22.91	23.15
	CP QPSK	1	1	25.49	25.50	25.84

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

7.1.9 NR n77 (3450-3550 MHz) SCS 30 kHz (PC3)

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequency (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	22.74
		1	137	23.90
		1	271	22.51
		135	0	22.85
		135	69	23.87
		135	138	22.69
		270	0	23.00
	DFT-S QPSK	1	1	22.99
		1	137	22.87
		1	271	22.27
		135	0	22.41
		135	69	23.34
		135	138	22.16
		270	0	22.52
	DFT-S 16QAM	1	1	21.96
	DFT-S 64QAM	1	1	20.55
	DFT-S 256QAM	1	1	18.50
	CP QPSK	1	1	21.14

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	22.71	22.63	22.60
		1	123	23.12	23.21	23.16
		1	243	22.54	22.40	22.47
		120	0	22.74	22.73	22.73
		120	63	23.60	23.41	23.47
		120	125	22.66	22.64	22.57
		243	0	22.89	22.93	23.03
	DFT-S QPSK	1	1	23.05	22.84	22.97
		1	123	22.90	22.67	22.76
		1	243	22.21	22.29	22.19
		120	0	22.44	22.31	22.41
		120	63	23.34	23.28	23.44
		120	125	21.99	22.11	21.99
		243	0	22.28	22.43	22.29
	DFT-S 16QAM	1	1	21.81	21.78	21.94
	DFT-S 64QAM	1	1	20.56	20.51	20.49
	DFT-S 256QAM	1	1	18.33	18.50	18.39
	CP QPSK	1	1	20.96	21.01	21.06

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	22.60	22.78	22.71
		1	109	23.27	23.11	23.28
		1	215	22.33	22.37	22.48
		108	0	22.84	22.75	22.79
		108	55	23.54	23.53	23.58
		108	109	22.56	22.74	22.66
		216	0	22.89	22.79	22.85
	DFT-S QPSK	1	1	22.98	22.90	22.91
		1	109	22.71	22.78	22.79
		1	215	22.15	22.11	22.15
		108	0	22.40	22.33	22.41
		108	55	23.33	23.37	23.20
		108	109	22.02	22.02	22.04
		216	0	22.35	22.37	22.25
	DFT-S 16QAM	1	1	21.81	21.88	21.85
	DFT-S 64QAM	1	1	20.57	20.66	20.64
	DFT-S 256QAM	1	1	18.34	18.43	18.33
	CP QPSK	1	1	20.99	21.04	21.06

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	22.80	22.69	22.60
		1	95	23.23	23.20	23.16
		1	187	22.46	22.51	22.46
		90	0	22.74	22.78	22.74
		90	50	23.64	23.42	23.61
		90	99	22.64	22.69	22.78
		180	0	22.92	22.95	22.89
	DFT-S QPSK	1	1	22.81	22.98	22.95
		1	95	22.76	22.73	22.73
		1	187	22.23	22.11	22.22
		90	0	22.32	22.31	22.23
		90	50	23.31	23.38	23.32
		90	99	21.99	21.94	21.98
		180	0	22.40	22.36	22.48
	DFT-S 16QAM	1	1	21.89	21.94	21.92
	DFT-S 64QAM	1	1	20.50	20.58	20.68
	DFT-S 256QAM	1	1	18.37	18.37	18.45
	CP QPSK	1	1	20.94	21.00	21.02

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	22.63	22.62	22.82
		1	81	23.20	23.18	23.19
		1	160	22.43	22.31	22.35
		81	0	22.84	22.65	22.84
		81	41	23.54	23.60	23.49
		81	81	22.64	22.66	22.59
		162	0	22.89	22.76	22.98
	DFT-S QPSK	1	1	22.90	22.94	22.88
		1	81	22.79	22.74	22.75
		1	160	22.27	22.27	22.20
		81	0	22.39	22.41	22.27
		81	41	23.30	23.31	23.29
		81	81	22.01	22.03	21.95
		162	0	22.40	22.44	22.44
	DFT-S 16QAM	1	1	21.76	21.75	21.96
	DFT-S 64QAM	1	1	20.52	20.45	20.60
	DFT-S 256QAM	1	1	18.40	18.44	18.42
	CP QPSK	1	1	21.02	20.95	21.08

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	22.80	22.66	22.69
		1	67	23.12	23.15	23.21
		1	131	22.44	22.35	22.35
		64	0	22.80	22.86	22.79
		64	35	23.51	23.48	23.56
		64	69	22.72	22.57	22.64
		128	0	22.90	22.89	22.83
	DFT-S QPSK	1	1	22.88	22.92	22.77
		1	67	22.84	22.81	22.72
		1	131	22.18	22.11	22.19
		64	0	22.33	22.43	22.31
		64	35	23.32	23.30	23.33
		64	69	22.00	21.92	22.00
		128	0	22.33	22.38	22.32
	DFT-S 16QAM	1	1	21.83	21.88	21.75
	DFT-S 64QAM	1	1	20.56	20.67	20.50
	DFT-S 256QAM	1	1	18.48	18.48	18.46
	CP QPSK	1	1	21.04	21.00	20.98

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	22.65	22.68	22.74
		1	53	23.20	23.30	23.22
		1	104	22.46	22.34	22.43
		50	0	22.74	22.80	22.70
		50	28	23.54	23.55	23.49
		50	56	22.65	22.61	22.71
		100	0	22.94	23.02	22.83
	DFT-S QPSK	1	1	22.89	22.91	22.82
		1	53	22.73	22.74	22.75
		1	104	22.22	22.20	22.13
		50	0	22.36	22.37	22.32
		50	28	23.37	23.18	23.22
		50	56	22.00	21.95	22.12
		100	0	22.35	22.42	22.42
	DFT-S 16QAM	1	1	21.81	21.90	21.95
	DFT-S 64QAM	1	1	20.44	20.52	20.58
	DFT-S 256QAM	1	1	18.36	18.38	18.38
	CP QPSK	1	1	21.03	20.99	21.04

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	22.61	22.52	22.56
		1	26	23.07	23.16	23.11
		1	49	22.50	22.37	22.38
		25	0	22.70	22.69	22.65
		25	13	23.57	23.33	23.41
		25	26	22.61	22.59	22.47
		50	0	22.84	22.82	22.98
	DFT-S QPSK	1	1	22.94	22.76	22.91
		1	26	22.84	22.62	22.70
		1	49	22.14	22.22	22.12
		25	0	22.33	22.23	22.34
		25	13	23.30	23.23	23.34
		25	26	21.89	22.03	21.92
		50	0	22.19	22.40	22.22
	DFT-S 16QAM	1	1	21.76	21.73	21.89
	DFT-S 64QAM	1	1	20.45	20.44	20.44
	DFT-S 256QAM	1	1	18.28	18.44	18.29
	CP QPSK	1	1	20.88	20.97	21.02

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	22.75	22.78	22.67
		1	26	23.16	23.24	23.21
		1	49	22.47	22.43	22.39
		25	0	22.67	22.79	22.89
		25	13	23.53	23.48	23.58
		25	26	22.54	22.52	22.63
		50	0	22.90	22.90	22.81
	DFT-S QPSK	1	1	22.85	22.79	22.91
		1	26	22.71	22.86	22.81
		1	49	22.15	22.17	22.12
		25	0	22.39	22.22	22.34
		25	13	23.24	23.26	23.47
		25	26	22.01	21.92	22.03
		50	0	22.33	22.31	22.40
	DFT-S 16QAM	1	1	21.97	21.85	21.81
	DFT-S 64QAM	1	1	20.61	20.51	20.58
	DFT-S 256QAM	1	1	18.33	18.49	18.37
	CP QPSK	1	1	20.97	20.98	20.95

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	636666	636166
		Frequency (MHz)		3457.5	3549.99	3542.49
15M	DFT-S PI/2 BPSK	1	1	22.66	22.56	22.70
		1	19	23.12	23.14	23.18
		1	36	22.38	22.46	22.45
		18	0	22.89	22.81	22.68
		18	10	23.50	23.59	23.62
		18	20	22.73	22.74	22.67
		36	0	22.89	22.89	22.86
	DFT-S QPSK	1	1	22.93	22.88	22.88
		1	19	22.74	22.87	22.72
		1	36	22.22	22.16	22.16
		18	0	22.35	22.39	22.32
		18	10	23.30	23.39	23.36
		18	20	22.02	22.06	22.01
		36	0	22.35	22.32	22.34
	DFT-S 16QAM	1	1	21.82	21.84	21.73
	DFT-S 64QAM	1	1	20.51	20.51	20.49
	DFT-S 256QAM	1	1	18.43	18.47	18.48
	CP QPSK	1	1	21.06	21.08	21.04

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	636666	636332
		Frequency (MHz)		3455.01	3549.99	3544.98
10M	DFT-S PI/2 BPSK	1	1	22.69	22.69	22.60
		1	11	23.09	23.30	23.26
		1	22	22.28	22.30	22.48
		12	0	22.74	22.68	22.82
		12	6	23.62	23.52	23.55
		12	12	22.62	22.67	22.68
		24	0	22.91	22.83	22.88
	DFT-S QPSK	1	1	22.92	22.94	22.80
		1	11	22.86	22.77	22.72
		1	22	22.19	22.29	22.14
		12	0	22.31	22.30	22.34
		12	6	23.41	23.28	23.26
		12	12	22.12	21.93	22.07
		24	0	22.30	22.25	22.40
	DFT-S 16QAM	1	1	21.74	21.79	21.89
	DFT-S 64QAM	1	1	20.51	20.58	20.59
	DFT-S 256QAM	1	1	18.36	18.36	18.39
	CP QPSK	1	1	20.95	20.96	21.03

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequency (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	25.36
		1	137	26.52
		1	271	25.13
		135	0	25.47
		135	69	26.49
		135	138	25.31
		270	0	25.62
	DFT-S QPSK	1	1	25.61
		1	137	25.49
		1	271	24.89
		135	0	25.03
		135	69	25.96
		135	138	24.78
		270	0	25.14
	DFT-S 16QAM	1	1	24.58
	DFT-S 64QAM	1	1	23.17
	DFT-S 256QAM	1	1	21.12
	CP QPSK	1	1	23.76

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequency (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	25.33	25.25	25.22
		1	123	25.74	25.83	25.78
		1	243	25.16	25.02	25.09
		120	0	25.36	25.35	25.35
		120	63	26.22	26.03	26.09
		120	125	25.28	25.26	25.19
		243	0	25.51	25.55	25.65
	DFT-S QPSK	1	1	25.67	25.46	25.59
		1	123	25.52	25.29	25.38
		1	243	24.83	24.91	24.81
		120	0	25.06	24.93	25.03
		120	63	25.96	25.90	26.06
		120	125	24.61	24.73	24.61
		243	0	24.90	25.05	24.91
	DFT-S 16QAM	1	1	24.43	24.40	24.56
	DFT-S 64QAM	1	1	23.18	23.13	23.11
	DFT-S 256QAM	1	1	20.95	21.12	21.01
	CP QPSK	1	1	23.58	23.63	23.68

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	63400
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	25.22	25.40	25.33
		1	109	25.89	25.73	25.90
		1	215	24.95	24.99	25.10
		108	0	25.46	25.37	25.41
		108	55	26.16	26.15	26.20
		108	109	25.18	25.36	25.28
		216	0	25.51	25.41	25.47
	DFT-S QPSK	1	1	25.60	25.52	25.53
		1	109	25.33	25.40	25.41
		1	215	24.77	24.73	24.77
		108	0	25.02	24.95	25.03
		108	55	25.95	25.99	25.82
		108	109	24.64	24.64	24.66
		216	0	24.97	24.99	24.87
	DFT-S 16QAM	1	1	24.43	24.50	24.47
	DFT-S 64QAM	1	1	23.19	23.28	23.26
	DFT-S 256QAM	1	1	20.96	21.05	20.95
	CP QPSK	1	1	23.61	23.66	23.68

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632334	633334	634332
		Frequency (MHz)		3485.01	3500.01	3514.98
70M	DFT-S PI/2 BPSK	1	1	25.42	25.31	25.22
		1	95	25.85	25.82	25.78
		1	187	25.08	25.13	25.08
		90	0	25.36	25.40	25.36
		90	50	26.26	26.04	26.23
		90	99	25.26	25.31	25.40
		180	0	25.54	25.57	25.51
	DFT-S QPSK	1	1	25.43	25.60	25.57
		1	95	25.38	25.35	25.35
		1	187	24.85	24.73	24.84
		90	0	24.94	24.93	24.85
		90	50	25.93	26.00	25.94
		90	99	24.61	24.56	24.60
		180	0	25.02	24.98	25.10
	DFT-S 16QAM	1	1	24.51	24.56	24.54
	DFT-S 64QAM	1	1	23.12	23.20	23.30
	DFT-S 256QAM	1	1	20.99	20.99	21.07
	CP QPSK	1	1	23.56	23.62	23.64

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	25.25	25.24	25.44
		1	81	25.82	25.80	25.81
		1	160	25.05	24.93	24.97
		81	0	25.46	25.27	25.46
		81	41	26.16	26.22	26.11
		81	81	25.26	25.28	25.21
		162	0	25.51	25.38	25.60
	DFT-S QPSK	1	1	25.52	25.56	25.50
		1	81	25.41	25.36	25.37
		1	160	24.89	24.89	24.82
		81	0	25.01	25.03	24.89
		81	41	25.92	25.93	25.91
		81	81	24.63	24.65	24.57
		162	0	25.02	25.06	25.06
	DFT-S 16QAM	1	1	24.38	24.37	24.58
	DFT-S 64QAM	1	1	23.14	23.07	23.22
	DFT-S 256QAM	1	1	21.02	21.06	21.04
	CP QPSK	1	1	23.64	23.57	23.70

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631668	633334	635000
		Frequency (MHz)		3475.02	3500.01	3525
50M	DFT-S PI/2 BPSK	1	1	25.42	25.28	25.31
		1	67	25.74	25.77	25.83
		1	131	25.06	24.97	24.97
		64	0	25.42	25.48	25.41
		64	35	26.13	26.10	26.18
		64	69	25.34	25.19	25.26
		128	0	25.52	25.51	25.45
	DFT-S QPSK	1	1	25.50	25.54	25.39
		1	67	25.46	25.43	25.34
		1	131	24.80	24.73	24.81
		64	0	24.95	25.05	24.93
		64	35	25.94	25.92	25.95
		64	69	24.62	24.54	24.62
		128	0	24.95	25.00	24.94
	DFT-S 16QAM	1	1	24.45	24.50	24.37
	DFT-S 64QAM	1	1	23.18	23.29	23.12
	DFT-S 256QAM	1	1	21.10	21.10	21.08
	CP QPSK	1	1	23.66	23.62	23.60

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	25.27	25.30	25.36
		1	53	25.82	25.92	25.84
		1	104	25.08	24.96	25.05
		50	0	25.36	25.42	25.32
		50	28	26.16	26.17	26.11
		50	56	25.27	25.23	25.33
		100	0	25.56	25.64	25.45
	DFT-S QPSK	1	1	25.51	25.53	25.44
		1	53	25.35	25.36	25.37
		1	104	24.84	24.82	24.75
		50	0	24.98	24.99	24.94
		50	28	25.99	25.80	25.84
		50	56	24.62	24.57	24.74
		100	0	24.97	25.04	25.04
	DFT-S 16QAM	1	1	24.43	24.52	24.57
	DFT-S 64QAM	1	1	23.06	23.14	23.20
	DFT-S 256QAM	1	1	20.98	21.00	21.00
	CP QPSK	1	1	23.65	23.61	23.66

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	25.23	25.14	25.18
		1	53	25.69	25.78	25.73
		1	104	25.12	24.99	25.00
		50	0	25.32	25.31	25.27
		50	28	26.19	25.95	26.03
		50	56	25.23	25.21	25.09
		100	0	25.46	25.44	25.60
	DFT-S QPSK	1	1	25.56	25.38	25.53
		1	53	25.46	25.24	25.32
		1	104	24.76	24.84	24.74
		50	0	24.95	24.85	24.96
		50	28	25.92	25.85	25.96
		50	56	24.51	24.65	24.54
		100	0	24.81	25.02	24.84
	DFT-S 16QAM	1	1	24.38	24.35	24.51
	DFT-S 64QAM	1	1	23.07	23.06	23.06
	DFT-S 256QAM	1	1	20.90	21.06	20.91
	CP QPSK	1	1	23.50	23.59	23.64

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	25.37	25.40	25.29
		1	26	25.78	25.86	25.83
		1	49	25.09	25.05	25.01
		25	0	25.29	25.41	25.51
		25	13	26.15	26.10	26.20
		25	26	25.16	25.14	25.25
		50	0	25.52	25.52	25.43
	DFT-S QPSK	1	1	25.47	25.41	25.53
		1	26	25.33	25.48	25.43
		1	49	24.77	24.79	24.74
		25	0	25.01	24.84	24.96
		25	13	25.86	25.88	26.09
		25	26	24.63	24.54	24.65
		50	0	24.95	24.93	25.02
	DFT-S 16QAM	1	1	24.59	24.47	24.43
	DFT-S 64QAM	1	1	23.23	23.13	23.20
	DFT-S 256QAM	1	1	20.95	21.11	20.99
	CP QPSK	1	1	23.59	23.60	23.57

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630500	636666	636166
		Frequency (MHz)		3457.5	3549.99	3542.49
15M	DFT-S PI/2 BPSK	1	1	25.28	25.18	25.32
		1	19	25.74	25.76	25.80
		1	36	25.00	25.08	25.07
		18	0	25.51	25.43	25.30
		18	10	26.12	26.21	26.24
		18	20	25.35	25.36	25.29
		36	0	25.51	25.51	25.48
	DFT-S QPSK	1	1	25.55	25.50	25.50
		1	19	25.36	25.49	25.34
		1	36	24.84	24.78	24.78
		18	0	24.97	25.01	24.94
		18	10	25.92	26.01	25.98
		18	20	24.64	24.68	24.63
		36	0	24.97	24.94	24.96
	DFT-S 16QAM	1	1	24.44	24.46	24.35
	DFT-S 64QAM	1	1	23.13	23.13	23.11
	DFT-S 256QAM	1	1	21.05	21.09	21.10
	CP QPSK	1	1	23.68	23.70	23.66

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	636666	636332
		Frequency (MHz)		3455.01	3549.99	3544.98
10M	DFT-S PI/2 BPSK	1	1	25.31	25.31	25.22
		1	11	25.71	25.92	25.88
		1	22	24.90	24.92	25.10
		12	0	25.36	25.30	25.44
		12	6	26.24	26.14	26.17
		12	12	25.24	25.29	25.30
		24	0	25.53	25.45	25.50
	DFT-S QPSK	1	1	25.54	25.56	25.42
		1	11	25.48	25.39	25.34
		1	22	24.81	24.91	24.76
		12	0	24.93	24.92	24.96
		12	6	26.03	25.90	25.88
		12	12	24.74	24.55	24.69
		24	0	24.92	24.87	25.02
	DFT-S 16QAM	1	1	24.36	24.41	24.51
	DFT-S 64QAM	1	1	23.13	23.20	23.21
	DFT-S 256QAM	1	1	20.98	20.98	21.01
	CP QPSK	1	1	23.57	23.58	23.65

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

7.1.10 NR n77 (3700-3980 MHz) SCS 30 kHz (PC2)

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	24.86	25.07	24.90
		1	137	25.91	26.08	25.87
		1	271	24.40	24.53	24.49
		135	0	24.83	24.94	24.71
		135	69	25.75	25.79	25.65
		135	138	25.06	24.88	24.83
		270	0	25.17	25.19	25.16
	DFT-S QPSK	1	1	24.62	24.57	24.39
		1	137	25.76	25.73	25.72
		1	271	24.59	24.62	24.70
		135	0	24.60	24.84	24.58
		135	69	25.55	25.85	25.72
		135	138	24.25	24.26	24.06
		270	0	24.30	24.40	24.37
	DFT-S 16QAM	1	1	23.55	23.92	23.73
	DFT-S 64QAM	1	1	22.12	22.28	22.20
	DFT-S 256QAM	1	1	20.57	20.43	20.35
	CP QPSK	1	1	23.08	23.13	23.02

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	24.68	24.84	24.68
		1	123	26.03	25.99	25.98
		1	243	24.31	24.40	24.20
		120	0	24.90	24.86	24.60
		120	63	25.71	25.60	25.34
		120	125	24.71	24.86	25.02
		243	0	24.86	24.85	24.93
	DFT-S QPSK	1	1	24.40	24.49	24.14
		1	123	25.53	25.53	25.53
		1	243	24.50	24.57	24.77
		120	0	24.36	24.60	24.53
		120	63	25.51	25.68	25.62
		120	125	24.02	24.11	24.13
		243	0	24.15	24.32	24.11
	DFT-S 16QAM	1	1	23.57	23.80	23.70
	DFT-S 64QAM	1	1	22.06	22.15	22.03
	DFT-S 256QAM	1	1	20.36	20.48	20.42
	CP QPSK	1	1	23.02	23.16	23.07

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	24.78	24.85	24.94
		1	109	25.99	25.83	25.69
		1	215	24.27	24.32	24.44
		108	0	24.76	24.87	24.75
		108	55	25.48	25.50	25.57
		108	109	24.90	24.89	24.92
		216	0	25.01	24.91	24.87
	DFT-S QPSK	1	1	24.43	24.47	24.48
		1	109	25.62	25.57	25.42
		1	215	24.63	24.65	24.60
		108	0	24.37	24.64	24.62
		108	55	25.52	25.67	25.67
		108	109	24.12	24.23	23.97
		216	0	24.37	24.38	24.29
	DFT-S 16QAM	1	1	23.71	23.72	23.73
	DFT-S 64QAM	1	1	22.06	22.23	22.23
	DFT-S 256QAM	1	1	20.30	20.30	20.51
	CP QPSK	1	1	22.59	22.99	22.75

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649000	6560000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-S PI/2 BPSK	1	1	24.91	24.73	24.79
		1	95	25.86	25.77	25.76
		1	187	24.16	24.50	24.09
		90	0	24.74	24.93	24.81
		90	50	25.42	25.45	25.58
		90	99	24.91	24.94	24.74
		180	0	24.86	25.18	24.80
	DFT-S QPSK	1	1	24.36	24.35	24.23
		1	95	25.56	25.70	25.48
		1	187	24.29	24.65	24.49
		90	0	24.32	24.73	24.76
		90	50	25.48	25.66	25.65
		90	99	23.89	24.23	24.14
		180	0	24.21	24.39	24.37
	DFT-S 16QAM	1	1	23.42	23.65	23.67
	DFT-S 64QAM	1	1	22.18	22.24	22.13
	DFT-S 256QAM	1	1	20.21	20.34	20.30
	CP QPSK	1	1	22.81	23.13	23.14

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	24.72	24.75	24.98
		1	81	25.88	26.06	25.73
		1	160	24.26	24.47	24.27
		81	0	24.73	24.66	24.66
		81	41	25.51	25.58	25.64
		81	81	24.72	24.93	24.79
		162	0	24.80	24.80	24.63
	DFT-S QPSK	1	1	24.30	24.54	24.29
		1	81	25.59	25.75	25.65
		1	160	24.76	24.48	24.36
		81	0	24.62	24.70	24.83
		81	41	25.47	25.67	25.74
		81	81	23.85	24.22	23.82
		162	0	24.13	24.30	24.20
	DFT-S 16QAM	1	1	23.57	23.81	23.67
	DFT-S 64QAM	1	1	22.04	22.21	22.27
	DFT-S 256QAM	1	1	20.51	20.57	20.23
	CP QPSK	1	1	22.90	22.93	23.01

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	24.78	24.85	24.73
		1	67	25.99	25.80	25.75
		1	131	24.34	24.40	24.17
		64	0	24.80	24.79	24.62
		64	35	25.52	25.71	25.53
		64	69	24.70	24.72	24.71
		128	0	24.91	25.13	24.97
	DFT-S QPSK	1	1	24.39	24.59	24.08
		1	67	25.56	25.47	25.66
		1	131	24.32	24.67	24.49
		64	0	24.53	24.56	24.52
		64	35	25.71	25.78	25.63
		64	69	24.06	24.29	24.18
		128	0	24.28	24.16	24.32
	DFT-S 16QAM	1	1	23.45	23.60	23.64
	DFT-S 64QAM	1	1	22.22	22.36	22.13
	DFT-S 256QAM	1	1	20.21	20.62	20.36
	CP QPSK	1	1	22.83	23.10	22.95

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	24.82	24.67	24.86
		1	53	25.91	25.82	25.93
		1	104	24.29	24.37	24.19
		50	0	24.64	24.82	24.59
		50	28	25.41	25.55	25.52
		50	56	24.87	24.85	24.94
		100	0	24.99	24.86	24.86
	DFT-S QPSK	1	1	24.35	24.52	24.32
		1	53	25.49	25.42	25.71
		1	104	24.32	24.79	24.41
		50	0	24.33	24.42	24.52
		50	28	25.66	25.70	25.45
		50	56	24.12	24.12	24.22
		100	0	24.19	24.23	24.43
	DFT-S 16QAM	1	1	23.44	23.86	23.73
	DFT-S 64QAM	1	1	22.10	22.39	22.06
	DFT-S 256QAM	1	1	20.17	20.18	20.48
	CP QPSK	1	1	22.84	23.07	23.01

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	24.83	24.94	24.87
		1	53	25.73	26.02	25.86
		1	104	24.20	24.47	24.16
		50	0	24.79	24.88	24.59
		50	28	25.76	25.81	25.56
		50	56	24.72	24.78	24.73
		100	0	25.06	25.00	24.88
	DFT-S QPSK	1	1	24.55	24.50	24.34
		1	53	25.59	25.76	25.51
		1	104	24.66	24.66	24.33
		50	0	24.40	24.55	24.69
		50	28	25.66	25.69	25.54
		50	56	24.13	24.16	24.29
		100	0	24.40	24.42	24.44
	DFT-S 16QAM	1	1	23.57	23.72	23.56
	DFT-S 64QAM	1	1	22.13	22.15	22.32
	DFT-S 256QAM	1	1	20.30	20.33	20.18
	CP QPSK	1	1	22.86	22.94	22.91

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	24.80	24.99	24.83
		1	26	26.04	26.04	25.75
		1	49	24.19	24.46	24.25
		25	0	24.87	24.87	24.64
		25	13	25.43	25.63	25.71
		25	26	24.74	25.04	24.97
		50	0	25.00	25.11	24.68
	DFT-S QPSK	1	1	24.61	24.18	24.24
		1	26	25.39	25.58	25.53
		1	49	24.49	24.68	24.55
		25	0	24.49	24.70	24.62
		25	13	25.76	25.57	25.46
		25	26	23.98	24.13	24.09
		50	0	24.26	24.34	24.24
	DFT-S 16QAM	1	1	23.51	23.77	23.61
	DFT-S 64QAM	1	1	22.22	22.21	22.17
	DFT-S 256QAM	1	1	20.26	20.17	20.34
	CP QPSK	1	1	22.83	23.10	23.01

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	24.74	25.07	24.62
		1	19	25.92	25.83	25.85
		1	36	24.21	24.34	24.07
		18	0	24.90	24.82	24.54
		18	10	25.57	25.55	25.51
		18	20	24.71	24.79	24.88
		36	0	24.95	25.02	25.00
	DFT-S QPSK	1	1	24.57	24.53	24.28
		1	19	25.66	25.75	25.64
		1	36	24.40	24.74	24.48
		18	0	24.38	24.74	24.49
		18	10	25.65	25.65	25.60
		18	20	24.05	24.13	23.99
		36	0	24.22	24.09	24.10
	DFT-S 16QAM	1	1	23.56	23.59	23.77
	DFT-S 64QAM	1	1	21.98	22.14	22.24
	DFT-S 256QAM	1	1	20.25	20.50	20.34
	CP QPSK	1	1	22.82	22.89	23.00

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	24.54	25.10	24.93
		1	11	25.96	25.82	25.93
		1	22	24.41	24.15	24.16
		12	0	24.56	24.96	24.61
		12	6	25.44	25.63	25.67
		12	12	24.74	25.09	24.93
		24	0	25.15	25.11	24.74
	DFT-S QPSK	1	1	24.28	24.56	24.28
		1	11	25.53	25.51	25.73
		1	22	24.50	24.59	24.59
		12	0	24.60	24.77	24.64
		12	6	25.71	25.81	25.73
		12	12	23.99	24.10	24.04
		24	0	24.22	24.28	24.13
	DFT-S 16QAM	1	1	23.60	23.86	23.69
	DFT-S 64QAM	1	1	22.19	22.18	22.03
	DFT-S 256QAM	1	1	20.10	20.37	20.55
	CP QPSK	1	1	22.95	23.10	23.05

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	27.48	27.69	27.52
		1	137	28.53	28.70	28.49
		1	271	27.02	27.15	27.11
		135	0	27.45	27.56	27.33
		135	69	28.37	28.41	28.27
		135	138	27.68	27.50	27.45
		270	0	27.79	27.81	27.78
	DFT-S QPSK	1	1	27.24	27.19	27.01
		1	137	28.38	28.35	28.34
		1	271	27.21	27.24	27.32
		135	0	27.22	27.46	27.20
		135	69	28.17	28.47	28.34
		135	138	26.87	26.88	26.68
		270	0	26.92	27.02	26.99
	DFT-S 16QAM	1	1	26.17	26.54	26.35
	DFT-S 64QAM	1	1	24.74	24.90	24.82
	DFT-S 256QAM	1	1	23.19	23.05	22.97
	CP QPSK	1	1	25.70	25.75	25.64

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	27.30	27.46	27.30
		1	123	28.65	28.61	28.60
		1	243	26.93	27.02	26.82
		120	0	27.52	27.48	27.22
		120	63	28.33	28.22	27.96
		120	125	27.33	27.48	27.64
		243	0	27.48	27.47	27.55
	DFT-S QPSK	1	1	27.02	27.11	26.76
		1	123	28.15	28.15	28.15
		1	243	27.12	27.19	27.39
		120	0	26.98	27.22	27.15
		120	63	28.13	28.30	28.24
		120	125	26.64	26.73	26.75
		243	0	26.77	26.94	26.73
	DFT-S 16QAM	1	1	26.19	26.42	26.32
	DFT-S 64QAM	1	1	24.68	24.77	24.65
	DFT-S 256QAM	1	1	22.98	23.10	23.04
	CP QPSK	1	1	25.64	25.78	25.69

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	27.40	27.47	27.56
		1	109	28.61	28.45	28.31
		1	215	26.89	26.94	27.06
		108	0	27.38	27.49	27.37
		108	55	28.10	28.12	28.19
		108	109	27.52	27.51	27.54
		216	0	27.63	27.53	27.49
	DFT-S QPSK	1	1	27.05	27.09	27.10
		1	109	28.24	28.19	28.04
		1	215	27.25	27.27	27.22
		108	0	26.99	27.26	27.24
		108	55	28.14	28.29	28.29
		108	109	26.74	26.85	26.59
		216	0	26.99	27.00	26.91
	DFT-S 16QAM	1	1	26.33	26.34	26.35
	DFT-S 64QAM	1	1	24.68	24.85	24.85
	DFT-S 256QAM	1	1	22.92	22.92	23.13
	CP QPSK	1	1	25.21	25.61	25.37

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649000	6560000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-S PI/2 BPSK	1	1	27.53	27.35	27.41
		1	95	28.48	28.39	28.38
		1	187	26.78	27.12	26.71
		90	0	27.36	27.55	27.43
		90	50	28.04	28.07	28.20
		90	99	27.53	27.56	27.36
		180	0	27.48	27.80	27.42
	DFT-S QPSK	1	1	26.98	26.97	26.85
		1	95	28.18	28.32	28.10
		1	187	26.91	27.27	27.11
		90	0	26.94	27.35	27.38
		90	50	28.10	28.28	28.27
		90	99	26.51	26.85	26.76
		180	0	26.83	27.01	26.99
	DFT-S 16QAM	1	1	26.04	26.27	26.29
	DFT-S 64QAM	1	1	24.80	24.86	24.75
	DFT-S 256QAM	1	1	22.83	22.96	22.92
	CP QPSK	1	1	25.43	25.75	25.76

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	27.34	27.37	27.60
		1	81	28.50	28.68	28.35
		1	160	26.88	27.09	26.89
		81	0	27.35	27.28	27.28
		81	41	28.13	28.20	28.26
		81	81	27.34	27.55	27.41
		162	0	27.42	27.42	27.25
	DFT-S QPSK	1	1	26.92	27.16	26.91
		1	81	28.21	28.37	28.27
		1	160	27.38	27.10	26.98
		81	0	27.24	27.32	27.45
		81	41	28.09	28.29	28.36
		81	81	26.47	26.84	26.44
		162	0	26.75	26.92	26.82
	DFT-S 16QAM	1	1	26.19	26.43	26.29
	DFT-S 64QAM	1	1	24.66	24.83	24.89
	DFT-S 256QAM	1	1	23.13	23.19	22.85
	CP QPSK	1	1	25.52	25.55	25.63

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	27.40	27.47	27.35
		1	67	28.61	28.42	28.37
		1	131	26.96	27.02	26.79
		64	0	27.42	27.41	27.24
		64	35	28.14	28.33	28.15
		64	69	27.32	27.34	27.33
		128	0	27.53	27.75	27.59
	DFT-S QPSK	1	1	27.01	27.21	26.70
		1	67	28.18	28.09	28.28
		1	131	26.94	27.29	27.11
		64	0	27.15	27.18	27.14
		64	35	28.33	28.40	28.25
		64	69	26.68	26.91	26.80
		128	0	26.90	26.78	26.94
	DFT-S 16QAM	1	1	26.07	26.22	26.26
	DFT-S 64QAM	1	1	24.84	24.98	24.75
	DFT-S 256QAM	1	1	22.83	23.24	22.98
	CP QPSK	1	1	25.45	25.72	25.57

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	27.44	27.29	27.48
		1	53	28.53	28.44	28.55
		1	104	26.91	26.99	26.81
		50	0	27.26	27.44	27.21
		50	28	28.03	28.17	28.14
		50	56	27.49	27.47	27.56
		100	0	27.61	27.48	27.48
	DFT-S QPSK	1	1	26.97	27.14	26.94
		1	53	28.11	28.04	28.33
		1	104	26.94	27.41	27.03
		50	0	26.95	27.04	27.14
		50	28	28.28	28.32	28.07
		50	56	26.74	26.74	26.84
		100	0	26.81	26.85	27.05
	DFT-S 16QAM	1	1	26.06	26.48	26.35
	DFT-S 64QAM	1	1	24.72	25.01	24.68
	DFT-S 256QAM	1	1	22.79	22.80	23.10
	CP QPSK	1	1	25.46	25.69	25.63

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	27.45	27.56	27.49
		1	53	28.35	28.64	28.48
		1	104	26.82	27.09	26.78
		50	0	27.41	27.50	27.21
		50	28	28.38	28.43	28.18
		50	56	27.34	27.40	27.35
		100	0	27.68	27.62	27.50
	DFT-S QPSK	1	1	27.17	27.12	26.96
		1	53	28.21	28.38	28.13
		1	104	27.28	27.28	26.95
		50	0	27.02	27.17	27.31
		50	28	28.28	28.31	28.16
		50	56	26.75	26.78	26.91
		100	0	27.02	27.04	27.06
	DFT-S 16QAM	1	1	26.19	26.34	26.18
	DFT-S 64QAM	1	1	24.75	24.77	24.94
	DFT-S 256QAM	1	1	22.92	22.95	22.80
	CP QPSK	1	1	25.48	25.56	25.53

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	27.42	27.61	27.45
		1	26	28.66	28.66	28.37
		1	49	26.81	27.08	26.87
		25	0	27.49	27.49	27.26
		25	13	28.05	28.25	28.33
		25	26	27.36	27.66	27.59
		50	0	27.62	27.73	27.30
	DFT-S QPSK	1	1	27.23	26.80	26.86
		1	26	28.01	28.20	28.15
		1	49	27.11	27.30	27.17
		25	0	27.11	27.32	27.24
		25	13	28.38	28.19	28.08
		25	26	26.60	26.75	26.71
		50	0	26.88	26.96	26.86
	DFT-S 16QAM	1	1	26.13	26.39	26.23
	DFT-S 64QAM	1	1	24.84	24.83	24.79
	DFT-S 256QAM	1	1	22.88	22.79	22.96
	CP QPSK	1	1	25.45	25.72	25.63

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	27.36	27.69	27.24
		1	19	28.54	28.45	28.47
		1	36	26.83	26.96	26.69
		18	0	27.52	27.44	27.16
		18	10	28.19	28.17	28.13
		18	20	27.33	27.41	27.50
		36	0	27.57	27.64	27.62
	DFT-S QPSK	1	1	27.19	27.15	26.90
		1	19	28.28	28.37	28.26
		1	36	27.02	27.36	27.10
		18	0	27.00	27.36	27.11
		18	10	28.27	28.27	28.22
		18	20	26.67	26.75	26.61
		36	0	26.84	26.71	26.72
	DFT-S 16QAM	1	1	26.18	26.21	26.39
	DFT-S 64QAM	1	1	24.60	24.76	24.86
	DFT-S 256QAM	1	1	22.87	23.12	22.96
	CP QPSK	1	1	25.44	25.51	25.62

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	27.16	27.72	27.55
		1	11	28.58	28.44	28.55
		1	22	27.03	26.77	26.78
		12	0	27.18	27.58	27.23
		12	6	28.06	28.25	28.29
		12	12	27.36	27.71	27.55
		24	0	27.77	27.73	27.36
	DFT-S QPSK	1	1	26.90	27.18	26.90
		1	11	28.15	28.13	28.35
		1	22	27.12	27.21	27.21
		12	0	27.22	27.39	27.26
		12	6	28.33	28.43	28.35
		12	12	26.61	26.72	26.66
		24	0	26.84	26.90	26.75
	DFT-S 16QAM	1	1	26.22	26.48	26.31
	DFT-S 64QAM	1	1	24.81	24.80	24.65
	DFT-S 256QAM	1	1	22.72	22.99	23.17
	CP QPSK	1	1	25.57	25.72	25.67

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

7.1.11 NR n77 (3700-3980 MHz) SCS 30 kHz (PC3)

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	22.48	22.66	22.61
		1	137	23.52	23.74	23.56
		1	271	22.10	22.14	22.00
		135	0	22.48	22.54	22.36
		135	69	23.35	23.42	23.26
		135	138	22.56	22.63	22.51
		270	0	22.71	22.75	22.67
	DFT-S QPSK	1	1	22.49	22.49	22.27
		1	137	23.60	23.60	23.63
		1	271	22.56	22.60	22.54
		135	0	22.49	22.68	22.68
		135	69	23.62	23.73	23.61
		135	138	22.06	22.17	22.12
		270	0	22.32	22.34	22.32
	DFT-S 16QAM	1	1	21.58	21.79	21.67
	DFT-S 64QAM	1	1	20.17	20.28	20.21
	DFT-S 256QAM	1	1	18.39	18.51	18.34
	CP QPSK	1	1	20.95	21.02	21.07

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	22.45	22.58	22.41
		1	123	23.54	23.55	23.48
		1	243	21.91	21.93	21.85
		120	0	22.48	22.50	22.26
		120	63	23.33	23.29	23.10
		120	125	22.51	22.45	22.58
		243	0	22.52	22.64	22.51
	DFT-S QPSK	1	1	22.44	22.40	22.21
		1	123	23.48	23.59	23.43
		1	243	22.39	22.62	22.57
		120	0	22.43	22.56	22.48
		120	63	23.57	23.73	23.52
		120	125	21.90	22.16	22.00
		243	0	22.22	22.17	22.19
	DFT-S 16QAM	1	1	21.51	21.71	21.59
	DFT-S 64QAM	1	1	19.98	20.19	20.10
	DFT-S 256QAM	1	1	18.24	18.38	18.42
	CP QPSK	1	1	20.96	21.07	20.91

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	22.48	22.52	22.49
		1	109	23.51	23.53	23.43
		1	215	21.84	21.92	21.97
		108	0	22.45	22.57	22.30
		108	55	23.15	23.24	23.25
		108	109	22.43	22.55	22.44
		216	0	22.62	22.66	22.56
	DFT-S QPSK	1	1	22.30	22.34	22.30
		1	109	23.46	23.47	23.52
		1	215	22.51	22.51	22.49
		108	0	22.45	22.52	22.63
		108	55	23.57	23.67	23.54
		108	109	21.93	22.13	21.92
		216	0	22.24	22.18	22.19
	DFT-S 16QAM	1	1	21.54	21.60	21.58
	DFT-S 64QAM	1	1	20.13	20.31	20.10
	DFT-S 256QAM	1	1	18.24	18.30	18.36
	CP QPSK	1	1	20.69	20.96	20.81

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649000	6560000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-S PI/2 BPSK	1	1	22.49	22.53	22.39
		1	95	23.49	23.56	23.44
		1	187	21.94	22.10	21.86
		90	0	22.37	22.43	22.32
		90	50	23.15	23.19	23.17
		90	99	22.45	22.44	22.49
		180	0	22.55	22.74	22.58
	DFT-S QPSK	1	1	22.31	22.44	22.19
		1	95	23.50	23.53	23.50
		1	187	22.36	22.55	22.56
		90	0	22.39	22.64	22.62
		90	50	23.50	23.64	23.68
		90	99	21.92	22.09	22.10
		180	0	22.27	22.33	22.19
	DFT-S 16QAM	1	1	21.38	21.63	21.58
	DFT-S 64QAM	1	1	20.22	20.31	20.06
	DFT-S 256QAM	1	1	18.18	18.35	18.31
	CP QPSK	1	1	20.76	20.97	20.94

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	22.50	22.43	22.50
		1	81	23.46	23.66	23.43
		1	160	22.05	22.04	21.80
		81	0	22.45	22.39	22.38
		81	41	23.22	23.33	23.18
		81	81	22.38	22.61	22.34
		162	0	22.54	22.53	22.42
	DFT-S QPSK	1	1	22.34	22.46	22.23
		1	81	23.44	23.55	23.58
		1	160	22.59	22.57	22.44
		81	0	22.50	22.58	22.63
		81	41	23.57	23.69	23.58
		81	81	21.93	22.16	21.90
		162	0	22.22	22.31	22.18
	DFT-S 16QAM	1	1	21.61	21.65	21.47
	DFT-S 64QAM	1	1	20.08	20.22	20.10
	DFT-S 256QAM	1	1	18.33	18.45	18.28
	CP QPSK	1	1	20.78	20.85	20.87

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	22.42	22.49	22.47
		1	67	23.54	23.54	23.38
		1	131	21.94	22.01	21.83
		64	0	22.41	22.50	22.28
		64	35	23.08	23.34	23.14
		64	69	22.42	22.48	22.47
		128	0	22.51	22.64	22.56
	DFT-S QPSK	1	1	22.43	22.46	22.17
		1	67	23.44	23.57	23.50
		1	131	22.41	22.57	22.51
		64	0	22.50	22.64	22.62
		64	35	23.57	23.73	23.54
		64	69	22.06	22.23	22.07
		128	0	22.32	22.23	22.19
	DFT-S 16QAM	1	1	21.45	21.62	21.62
	DFT-S 64QAM	1	1	20.11	20.21	20.10
	DFT-S 256QAM	1	1	18.13	18.42	18.45
	CP QPSK	1	1	20.75	20.96	20.91

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	22.49	22.46	22.42
		1	53	23.48	23.62	23.49
		1	104	21.90	22.06	21.78
		50	0	22.43	22.43	22.34
		50	28	23.15	23.21	23.16
		50	56	22.43	22.62	22.57
		100	0	22.63	22.57	22.57
	DFT-S QPSK	1	1	22.44	22.48	22.35
		1	53	23.51	23.50	23.64
		1	104	22.39	22.61	22.51
		50	0	22.41	22.48	22.51
		50	28	23.58	23.66	23.53
		50	56	21.97	22.18	22.11
		100	0	22.24	22.18	22.25
	DFT-S 16QAM	1	1	21.37	21.68	21.63
	DFT-S 64QAM	1	1	20.12	20.20	20.09
	DFT-S 256QAM	1	1	18.19	18.25	18.41
	CP QPSK	1	1	20.82	20.92	20.84

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	22.45	22.60	22.57
		1	53	23.49	23.70	23.46
		1	104	22.00	22.09	21.96
		50	0	22.38	22.48	22.32
		50	28	23.29	23.37	23.21
		50	56	22.49	22.52	22.44
		100	0	22.61	22.69	22.61
	DFT-S QPSK	1	1	22.39	22.46	22.20
		1	53	23.49	23.57	23.60
		1	104	22.53	22.55	22.43
		50	0	22.39	22.64	22.65
		50	28	23.53	23.63	23.56
		50	56	21.97	22.12	22.09
		100	0	22.22	22.30	22.29
	DFT-S 16QAM	1	1	21.47	21.71	21.61
	DFT-S 64QAM	1	1	20.10	20.20	20.17
	DFT-S 256QAM	1	1	18.36	18.42	18.27
	CP QPSK	1	1	20.88	20.93	21.01

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	22.44	22.52	22.51
		1	26	23.63	23.57	23.45
		1	49	21.93	22.03	21.88
		25	0	22.39	22.45	22.29
		25	13	23.06	23.37	23.31
		25	26	22.37	22.54	22.49
		50	0	22.58	22.61	22.48
	DFT-S QPSK	1	1	22.41	22.28	22.30
		1	26	23.47	23.50	23.59
		1	49	22.39	22.58	22.47
		25	0	22.40	22.53	22.48
		25	13	23.57	23.62	23.55
		25	26	21.91	22.16	21.95
		50	0	22.22	22.30	22.29
	DFT-S 16QAM	1	1	21.51	21.67	21.71
	DFT-S 64QAM	1	1	20.04	20.22	20.11
	DFT-S 256QAM	1	1	18.24	18.24	18.34
	CP QPSK	1	1	20.84	20.95	20.88

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	22.40	22.66	22.41
		1	19	23.50	23.60	23.50
		1	36	21.87	22.08	21.82
		18	0	22.48	22.61	22.32
		18	10	23.08	23.23	23.23
		18	20	22.39	22.52	22.55
		36	0	22.52	22.74	22.50
	DFT-S QPSK	1	1	22.41	22.44	22.32
		1	19	23.49	23.57	23.45
		1	36	22.49	22.67	22.44
		18	0	22.42	22.56	22.55
		18	10	23.61	23.73	23.63
		18	20	21.96	22.07	21.98
		36	0	22.19	22.19	22.13
	DFT-S 16QAM	1	1	21.61	21.63	21.66
	DFT-S 64QAM	1	1	20.02	20.13	20.04
	DFT-S 256QAM	1	1	18.30	18.36	18.20
	CP QPSK	1	1	20.79	20.85	20.97

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	22.31	22.65	22.47
		1	11	23.50	23.60	23.55
		1	22	21.97	21.94	21.83
		12	0	22.35	22.61	22.38
		12	6	23.17	23.33	23.21
		12	12	22.52	22.65	22.43
		24	0	22.68	22.72	22.45
	DFT-S QPSK	1	1	22.36	22.48	22.25
		1	11	23.39	23.52	23.58
		1	22	22.44	22.57	22.49
		12	0	22.49	22.57	22.55
		12	6	23.52	23.64	23.55
		12	12	21.96	22.14	21.99
		24	0	22.16	22.33	22.16
	DFT-S 16QAM	1	1	21.51	21.66	21.55
	DFT-S 64QAM	1	1	20.03	20.24	20.08
	DFT-S 256QAM	1	1	18.20	18.36	18.45
	CP QPSK	1	1	20.80	20.97	20.94

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	25.10	25.28	25.23
		1	137	26.14	26.36	26.18
		1	271	24.72	24.76	24.62
		135	0	25.10	25.16	24.98
		135	69	25.97	26.04	25.88
		135	138	25.18	25.25	25.13
		270	0	25.33	25.37	25.29
	DFT-S QPSK	1	1	25.11	25.11	24.89
		1	137	26.22	26.22	26.25
		1	271	25.18	25.22	25.16
		135	0	25.11	25.30	25.30
		135	69	26.24	26.35	26.23
		135	138	24.68	24.79	24.74
		270	0	24.94	24.96	24.94
	DFT-S 16QAM	1	1	24.20	24.41	24.29
	DFT-S 64QAM	1	1	22.79	22.90	22.83
	DFT-S 256QAM	1	1	21.01	21.13	20.96
	CP QPSK	1	1	23.57	23.64	23.69

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649668	656000	662332
		Frequency (MHz)		3745.02	3840	3934.98
90M	DFT-S PI/2 BPSK	1	1	25.07	25.20	25.03
		1	123	26.16	26.17	26.10
		1	243	24.53	24.55	24.47
		120	0	25.10	25.12	24.88
		120	63	25.95	25.91	25.72
		120	125	25.13	25.07	25.20
		243	0	25.14	25.26	25.13
	DFT-S QPSK	1	1	25.06	25.02	24.83
		1	123	26.10	26.21	26.05
		1	243	25.01	25.24	25.19
		120	0	25.05	25.18	25.10
		120	63	26.19	26.35	26.14
		120	125	24.52	24.78	24.62
		243	0	24.84	24.79	24.81
	DFT-S 16QAM	1	1	24.13	24.33	24.21
	DFT-S 64QAM	1	1	22.60	22.81	22.72
	DFT-S 256QAM	1	1	20.86	21.00	21.04
	CP QPSK	1	1	23.58	23.69	23.53

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	25.10	25.14	25.11
		1	109	26.13	26.15	26.05
		1	215	24.46	24.54	24.59
		108	0	25.07	25.19	24.92
		108	55	25.77	25.86	25.87
		108	109	25.05	25.17	25.06
		216	0	25.24	25.28	25.18
	DFT-S QPSK	1	1	24.92	24.96	24.92
		1	109	26.08	26.09	26.14
		1	215	25.13	25.13	25.11
		108	0	25.07	25.14	25.25
		108	55	26.19	26.29	26.16
		108	109	24.55	24.75	24.54
		216	0	24.86	24.80	24.81
	DFT-S 16QAM	1	1	24.16	24.22	24.20
	DFT-S 64QAM	1	1	22.75	22.93	22.72
	DFT-S 256QAM	1	1	20.86	20.92	20.98
	CP QPSK	1	1	23.31	23.58	23.43

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649000	6560000	663000
		Frequency (MHz)		3735	3840	3945
70M	DFT-S PI/2 BPSK	1	1	25.11	25.15	25.01
		1	95	26.11	26.18	26.06
		1	187	24.56	24.72	24.48
		90	0	24.99	25.05	24.94
		90	50	25.77	25.81	25.79
		90	99	25.07	25.06	25.11
		180	0	25.17	25.36	25.20
	DFT-S QPSK	1	1	24.93	25.06	24.81
		1	95	26.12	26.15	26.12
		1	187	24.98	25.17	25.18
		90	0	25.01	25.26	25.24
		90	50	26.12	26.26	26.30
		90	99	24.54	24.71	24.72
		180	0	24.89	24.95	24.81
	DFT-S 16QAM	1	1	24.00	24.25	24.20
	DFT-S 64QAM	1	1	22.84	22.93	22.68
	DFT-S 256QAM	1	1	20.80	20.97	20.93
	CP QPSK	1	1	23.38	23.59	23.56

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	25.12	25.05	25.12
		1	81	26.08	26.28	26.05
		1	160	24.67	24.66	24.42
		81	0	25.07	25.01	25.00
		81	41	25.84	25.95	25.80
		81	81	25.00	25.23	24.96
		162	0	25.16	25.15	25.04
	DFT-S QPSK	1	1	24.96	25.08	24.85
		1	81	26.06	26.17	26.20
		1	160	25.21	25.19	25.06
		81	0	25.12	25.20	25.25
		81	41	26.19	26.31	26.20
		81	81	24.55	24.78	24.52
		162	0	24.84	24.93	24.80
	DFT-S 16QAM	1	1	24.23	24.27	24.09
	DFT-S 64QAM	1	1	22.70	22.84	22.72
	DFT-S 256QAM	1	1	20.95	21.07	20.90
	CP QPSK	1	1	23.40	23.47	23.49

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648334	656000	663666
		Frequency (MHz)		3725.01	3840	3954.99
50M	DFT-S PI/2 BPSK	1	1	25.04	25.11	25.09
		1	67	26.16	26.16	26.00
		1	131	24.56	24.63	24.45
		64	0	25.03	25.12	24.90
		64	35	25.70	25.96	25.76
		64	69	25.04	25.10	25.09
		128	0	25.13	25.26	25.18
	DFT-S QPSK	1	1	25.05	25.08	24.79
		1	67	26.06	26.19	26.12
		1	131	25.03	25.19	25.13
		64	0	25.12	25.26	25.24
		64	35	26.19	26.35	26.16
		64	69	24.68	24.85	24.69
		128	0	24.94	24.85	24.81
	DFT-S 16QAM	1	1	24.07	24.24	24.24
	DFT-S 64QAM	1	1	22.73	22.83	22.72
	DFT-S 256QAM	1	1	20.75	21.04	21.07
	CP QPSK	1	1	23.37	23.58	23.53

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	25.11	25.08	25.04
		1	53	26.10	26.24	26.11
		1	104	24.52	24.68	24.40
		50	0	25.05	25.05	24.96
		50	28	25.77	25.83	25.78
		50	56	25.05	25.24	25.19
		100	0	25.25	25.19	25.19
	DFT-S QPSK	1	1	25.06	25.10	24.97
		1	53	26.13	26.12	26.26
		1	104	25.01	25.23	25.13
		50	0	25.03	25.10	25.13
		50	28	26.20	26.28	26.15
		50	56	24.59	24.80	24.73
		100	0	24.86	24.80	24.87
	DFT-S 16QAM	1	1	23.99	24.30	24.25
	DFT-S 64QAM	1	1	22.74	22.82	22.71
	DFT-S 256QAM	1	1	20.81	20.87	21.03
	CP QPSK	1	1	23.44	23.54	23.46

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	25.07	25.22	25.19
		1	53	26.11	26.32	26.08
		1	104	24.62	24.71	24.58
		50	0	25.00	25.10	24.94
		50	28	25.91	25.99	25.83
		50	56	25.11	25.14	25.06
		100	0	25.23	25.31	25.23
	DFT-S QPSK	1	1	25.01	25.08	24.82
		1	53	26.11	26.19	26.22
		1	104	25.15	25.17	25.05
		50	0	25.01	25.26	25.27
		50	28	26.15	26.25	26.18
		50	56	24.59	24.74	24.71
		100	0	24.84	24.92	24.91
	DFT-S 16QAM	1	1	24.09	24.33	24.23
	DFT-S 64QAM	1	1	22.72	22.82	22.79
	DFT-S 256QAM	1	1	20.98	21.04	20.89
	CP QPSK	1	1	23.50	23.55	23.63

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	25.06	25.14	25.13
		1	26	26.25	26.19	26.07
		1	49	24.55	24.65	24.50
		25	0	25.01	25.07	24.91
		25	13	25.68	25.99	25.93
		25	26	24.99	25.16	25.11
		50	0	25.20	25.23	25.10
	DFT-S QPSK	1	1	25.03	24.90	24.92
		1	26	26.09	26.12	26.21
		1	49	25.01	25.20	25.09
		25	0	25.02	25.15	25.10
		25	13	26.19	26.24	26.17
		25	26	24.53	24.78	24.57
		50	0	24.84	24.92	24.91
	DFT-S 16QAM	1	1	24.13	24.29	24.33
	DFT-S 64QAM	1	1	22.66	22.84	22.73
	DFT-S 256QAM	1	1	20.86	20.86	20.96
	CP QPSK	1	1	23.46	23.57	23.50

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647168	656000	664832
		Frequency (MHz)		3707.52	3840	3972.48
15M	DFT-S PI/2 BPSK	1	1	25.02	25.28	25.03
		1	19	26.12	26.22	26.12
		1	36	24.49	24.70	24.44
		18	0	25.10	25.23	24.94
		18	10	25.70	25.85	25.85
		18	20	25.01	25.14	25.17
		36	0	25.14	25.36	25.12
	DFT-S QPSK	1	1	25.03	25.06	24.94
		1	19	26.11	26.19	26.07
		1	36	25.11	25.29	25.06
		18	0	25.04	25.18	25.17
		18	10	26.23	26.35	26.25
		18	20	24.58	24.69	24.60
		36	0	24.81	24.81	24.75
	DFT-S 16QAM	1	1	24.23	24.25	24.28
	DFT-S 64QAM	1	1	22.64	22.75	22.66
	DFT-S 256QAM	1	1	20.92	20.98	20.82
	CP QPSK	1	1	23.41	23.47	23.59

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647000	656000	665000
		Frequency (MHz)		3705	3840	3975
10M	DFT-S PI/2 BPSK	1	1	24.93	25.27	25.09
		1	11	26.12	26.22	26.17
		1	22	24.59	24.56	24.45
		12	0	24.97	25.23	25.00
		12	6	25.79	25.95	25.83
		12	12	25.14	25.27	25.05
		24	0	25.30	25.34	25.07
	DFT-S QPSK	1	1	24.98	25.10	24.87
		1	11	26.01	26.14	26.20
		1	22	25.06	25.19	25.11
		12	0	25.11	25.19	25.17
		12	6	26.14	26.26	26.17
		12	12	24.58	24.76	24.61
		24	0	24.78	24.95	24.78
	DFT-S 16QAM	1	1	24.13	24.28	24.17
	DFT-S 64QAM	1	1	22.65	22.86	22.70
	DFT-S 256QAM	1	1	20.82	20.98	21.07
	CP QPSK	1	1	23.42	23.59	23.56

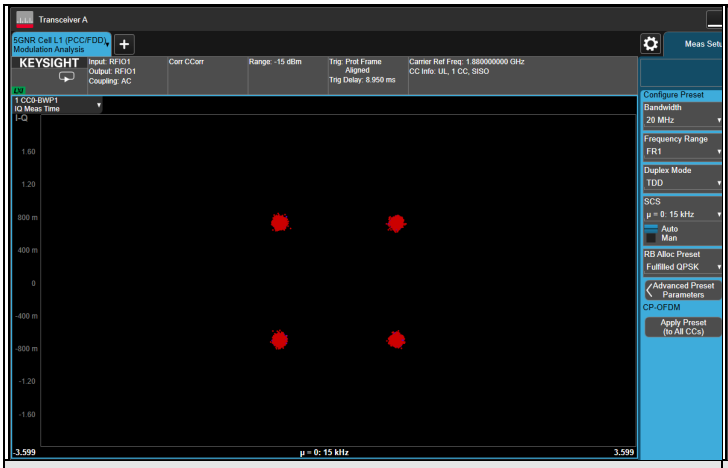
*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

7.2 Modulation Characteristics

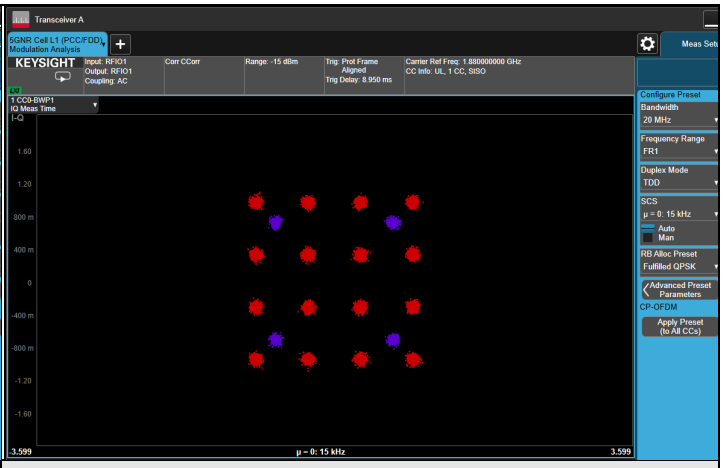
Input Power:	4.7 Vdc	Environmental Conditions:	22°C, 73% RH	Tested By:	Willy Cheng

7.2.1 NR n2 SCS 15 kHz

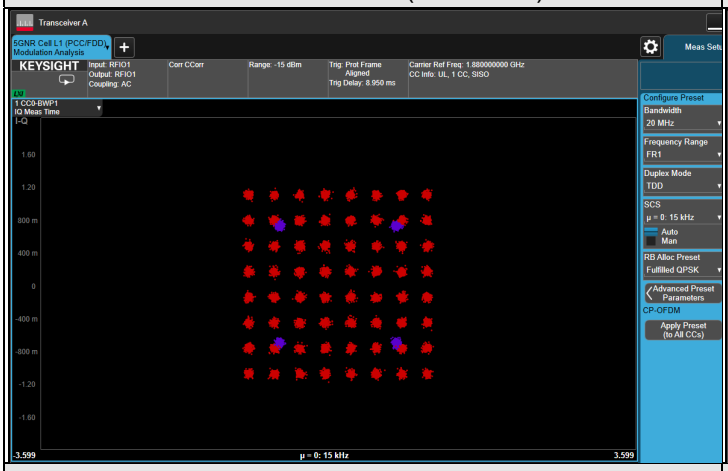
NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz



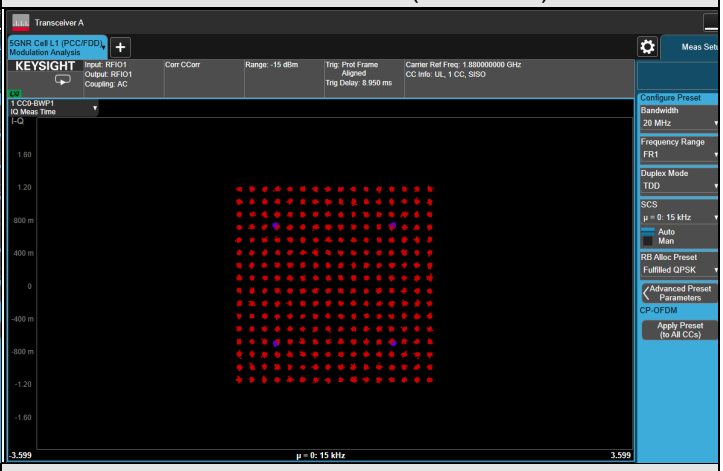
QPSK CH 376000 (1880 MHz)



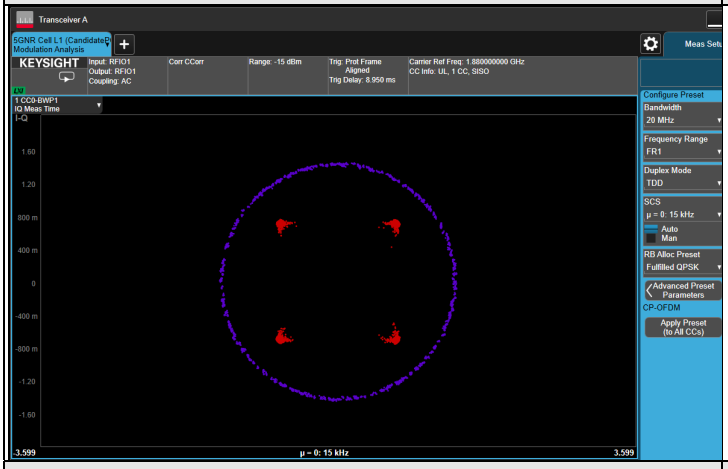
16QAM CH 376000 (1880 MHz)



64QAM CH 376000 (1880 MHz)



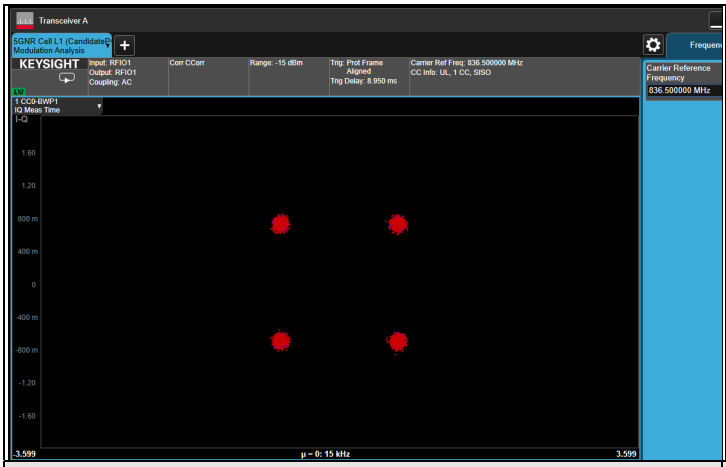
256QAM CH 376000 (1880 MHz)



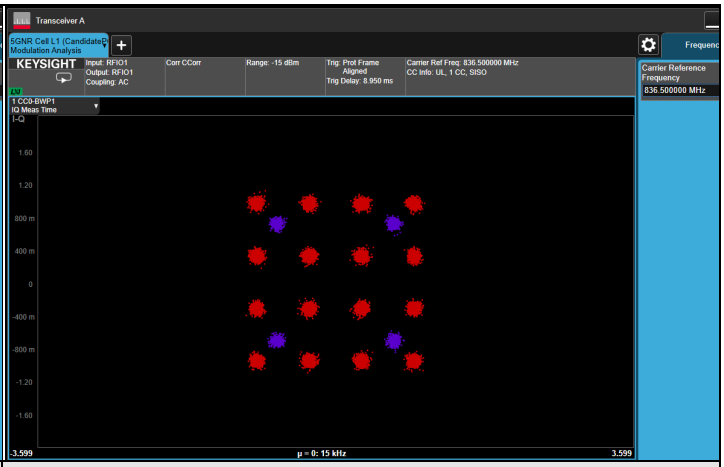
BPSK CH 376000 (1880 MHz)

7.2.2 NR n5 SCS 15 kHz

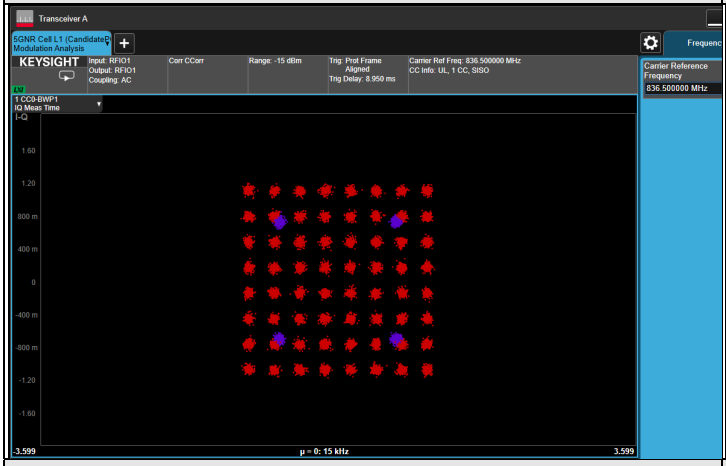
NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz



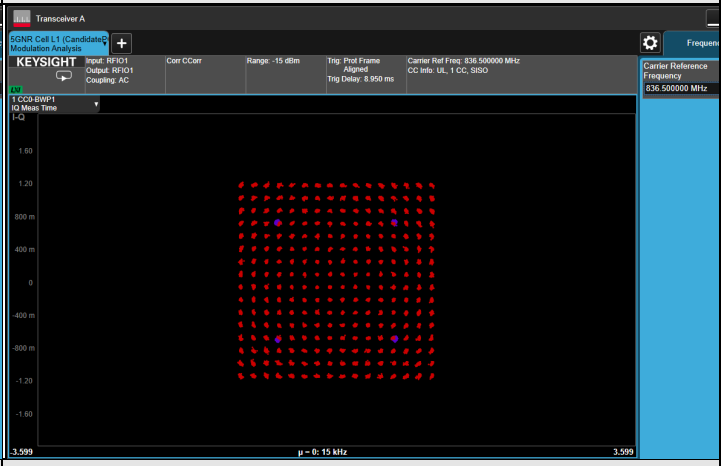
QPSK CH 167300 (836.5 MHz)



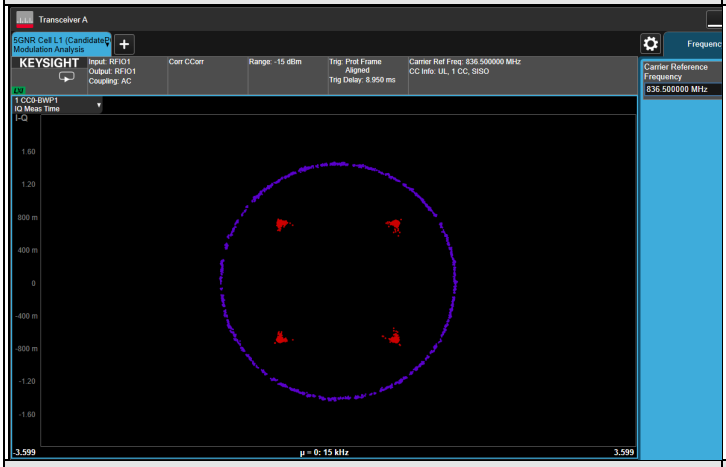
16QAM CH 167300 (836.5 MHz)



64QAM CH 167300 (836.5 MHz)



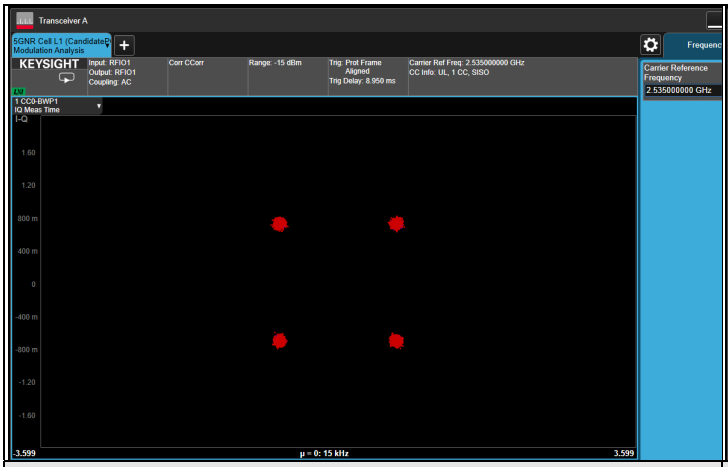
256QAM CH 167300 (836.5 MHz)



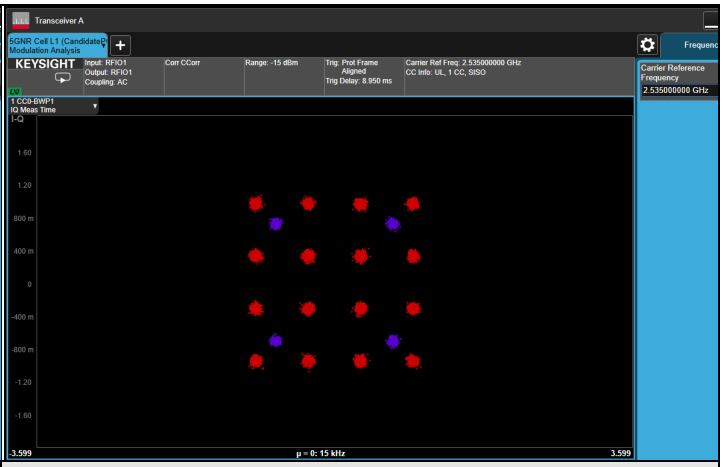
BPSK CH 167300 (836.5 MHz)

7.2.3 NR n7 SCS 15 kHz

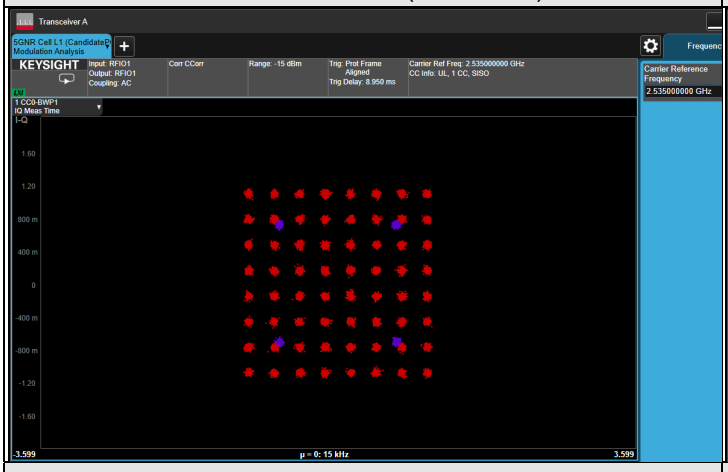
NR n7 SCS 15 kHz, Channel Bandwidth: 20 MHz



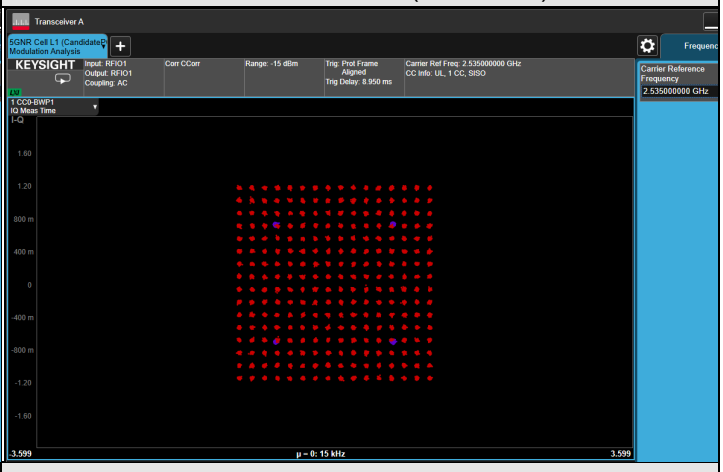
QPSK CH 507000 (2535 MHz)



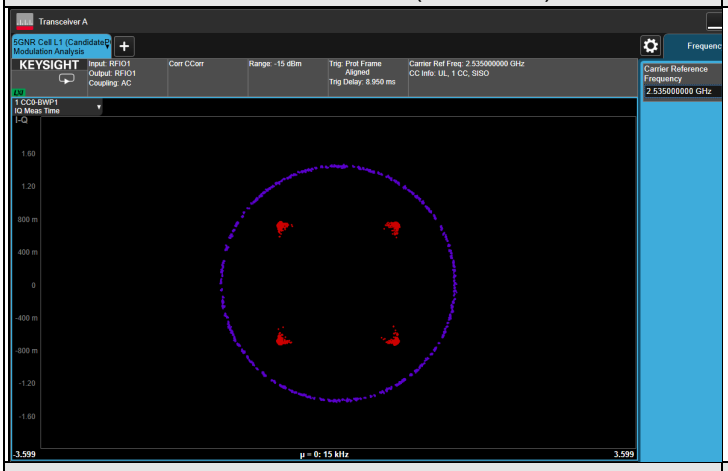
16QAM CH 507000 (2535 MHz)



64QAM CH 507000 (2535 MHz)



256QAM CH 507000 (2535 MHz)

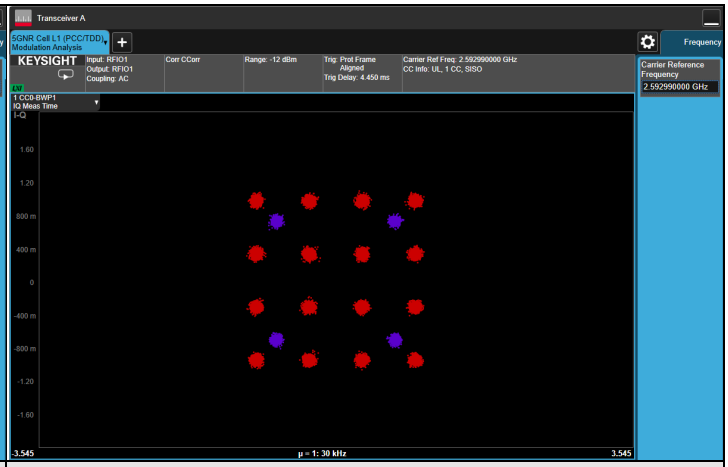


BPSK CH 507000 (2535 MHz)

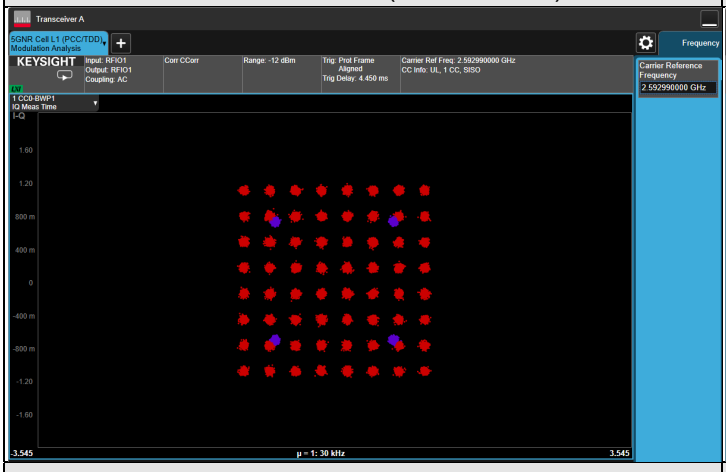
7.2.4 NR n41 SCS 30 kHz

NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz

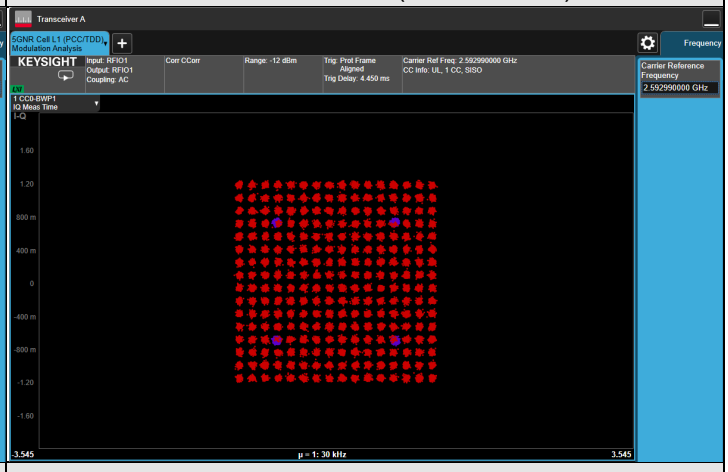
QPSK CH 518598 (2592.99 MHz)



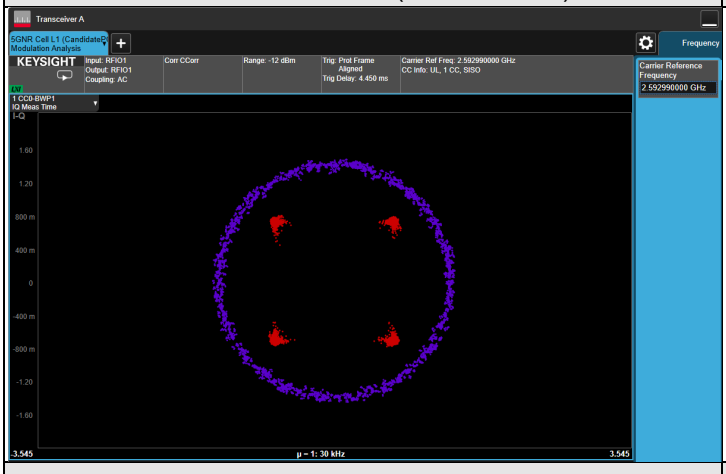
16QAM CH 518598 (2592.99 MHz)



64QAM CH 518598 (2592.99 MHz)



256QAM CH 518598 (2592.99 MHz)

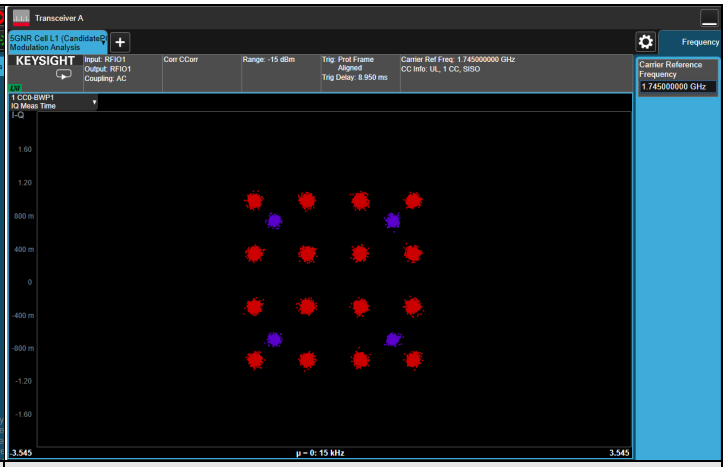


BPSK CH 518598 (2592.99 MHz)

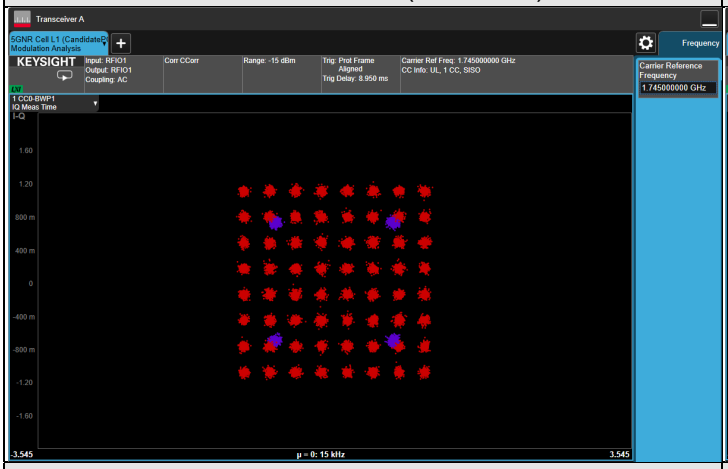
7.2.5 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

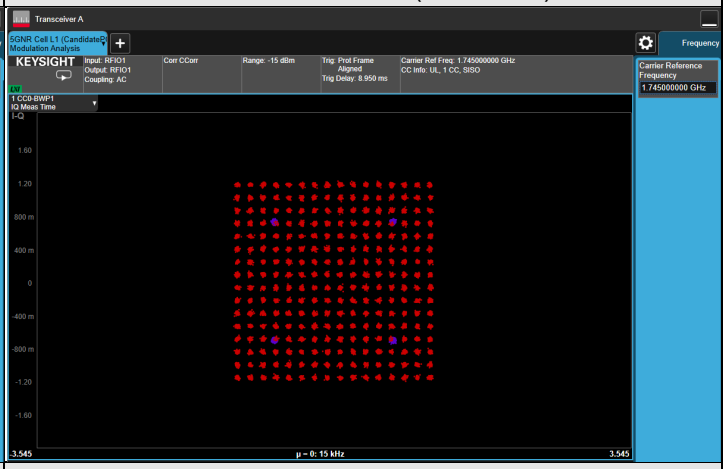
QPSK CH 349000 (1745 MHz)



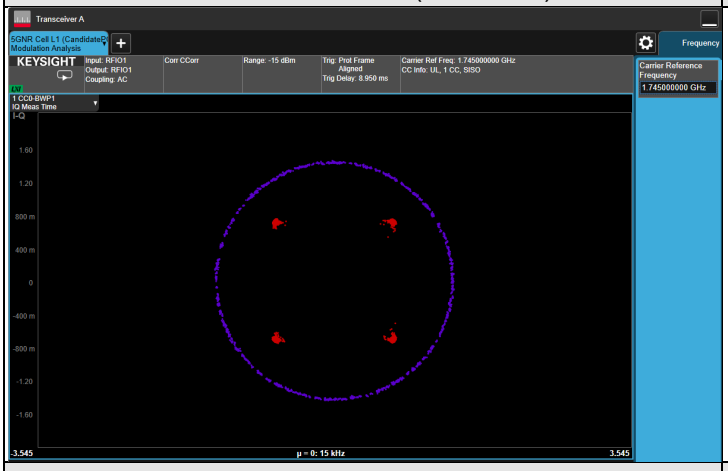
16QAM CH 349000 (1745 MHz)



64QAM CH 349000 (1745 MHz)



256QAM CH 349000 (1745 MHz)

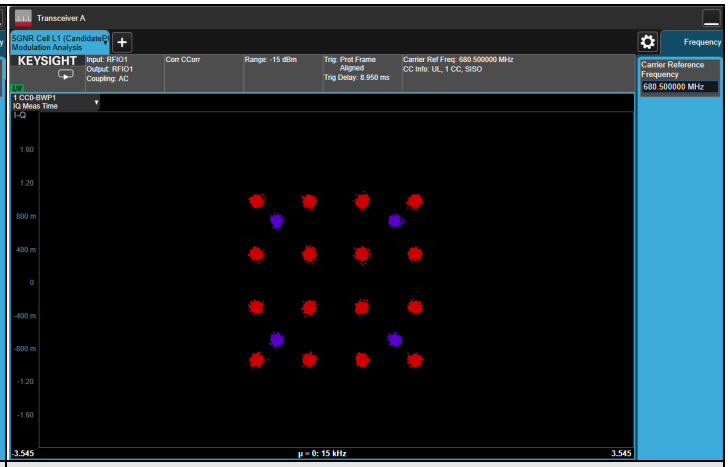


BPSK CH 349000 (1745 MHz)

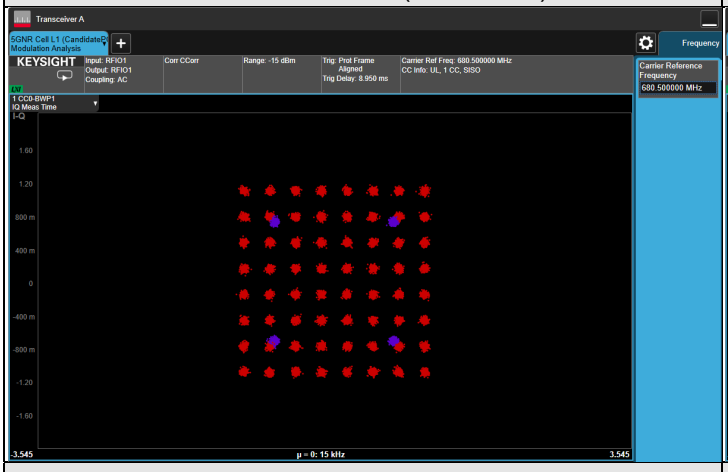
7.2.6 NR n71 SCS 15 kHz

NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

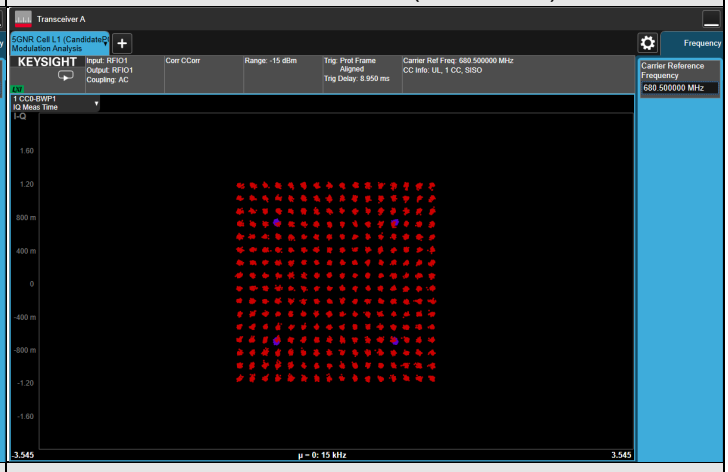
QPSK CH 136100 (680.5 MHz)



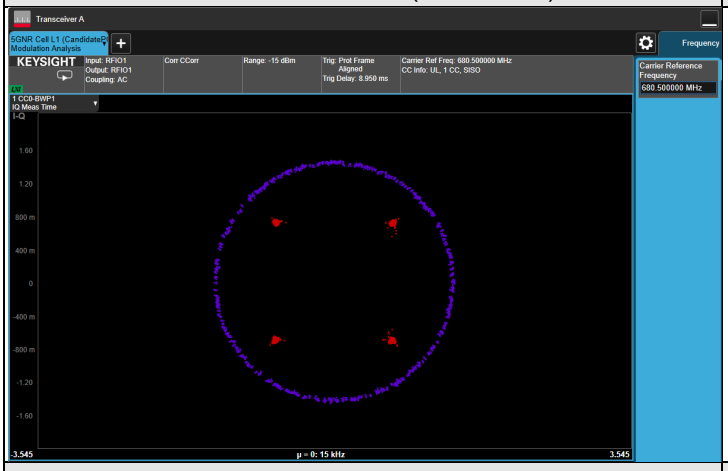
16QAM CH 136100 (680.5 MHz)



64QAM CH 136100 (680.5 MHz)



256QAM CH 136100 (680.5 MHz)

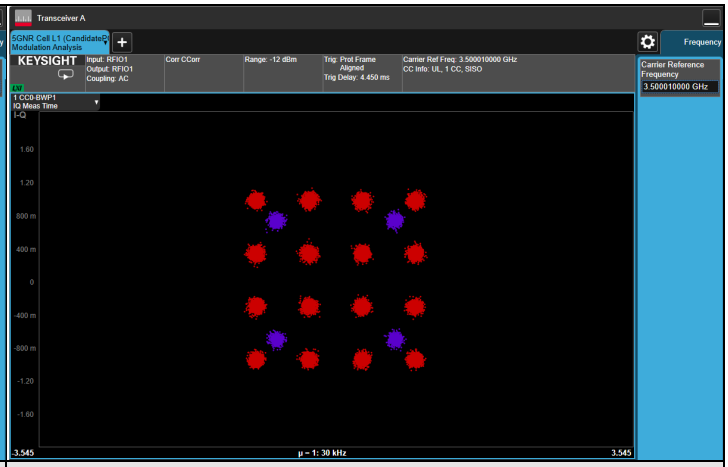


BPSK CH 136100 (680.5 MHz)

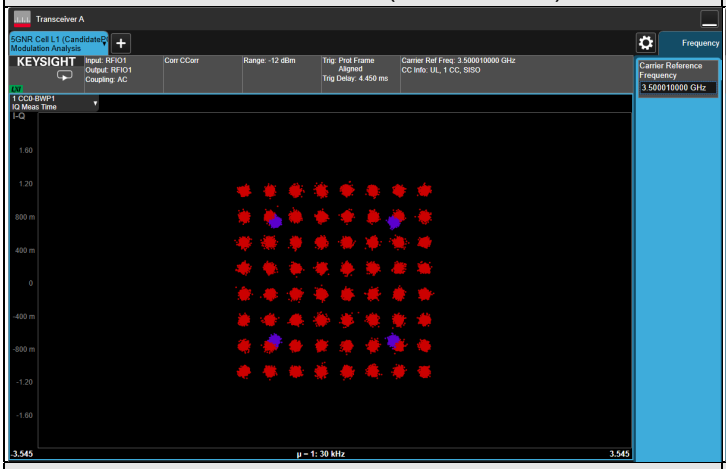
7.2.7 NR n77 (3450-3550 MHz) SCS 30 kHz

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

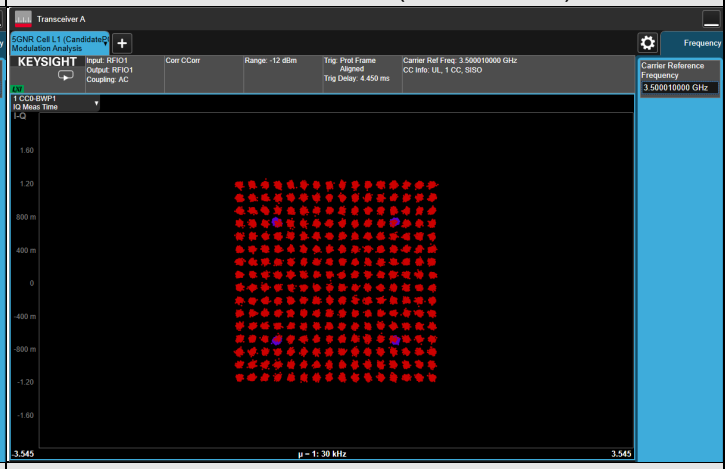
QPSK CH 633334 (3500.01 MHz)



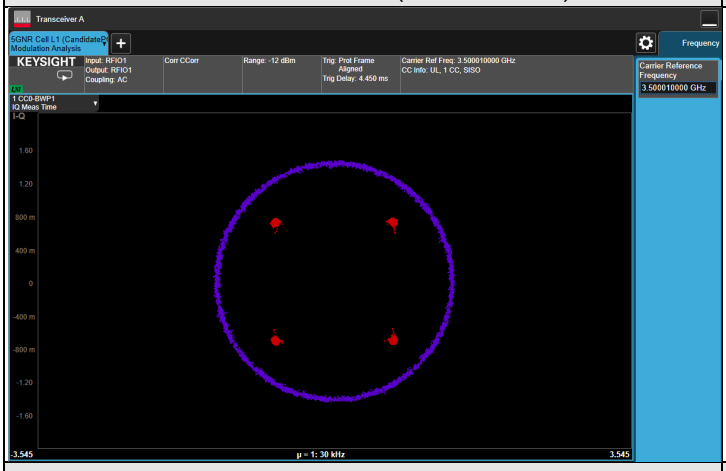
16QAM CH 633334 (3500.01 MHz)



64QAM CH 633334 (3500.01 MHz)



256QAM CH 633334 (3500.01 MHz)

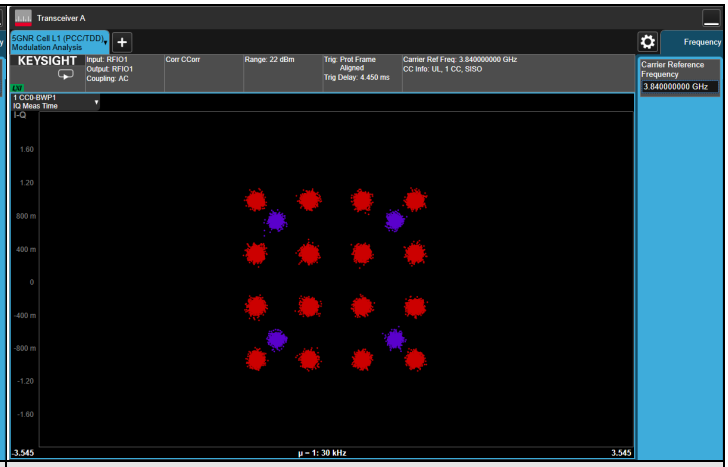


BPSK CH 633334 (3500.01 MHz)

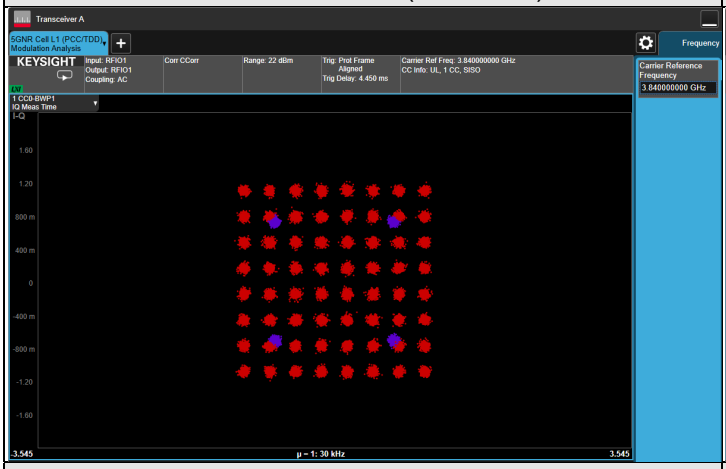
7.2.8 NR n77 (3700-3980 MHz) SCS 30 kHz

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

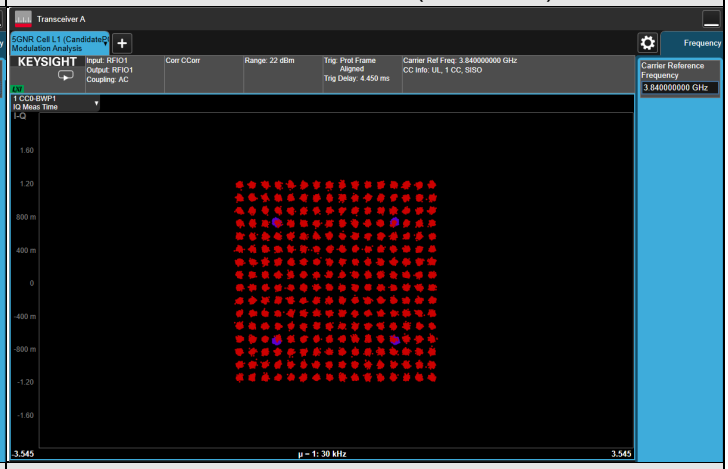
QPSK CH 656000 (3840 MHz)



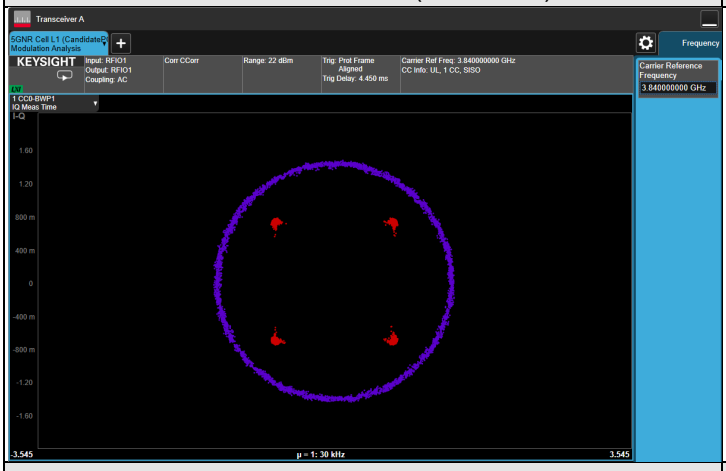
16QAM CH 656000 (3840 MHz)



64QAM CH 656000 (3840 MHz)



256QAM CH 656000 (3840 MHz)



BPSK CH 656000 (3840 MHz)

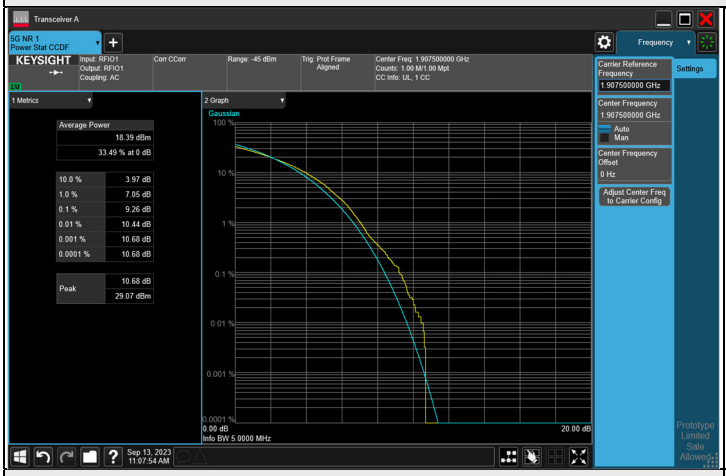
7.3 Peak to Average Ratio

Input Power:	4.7 Vdc	Environmental Conditions:	22°C, 73% RH	Tested By:	Willy Cheng

7.3.1 NR n2 SCS 15 kHz

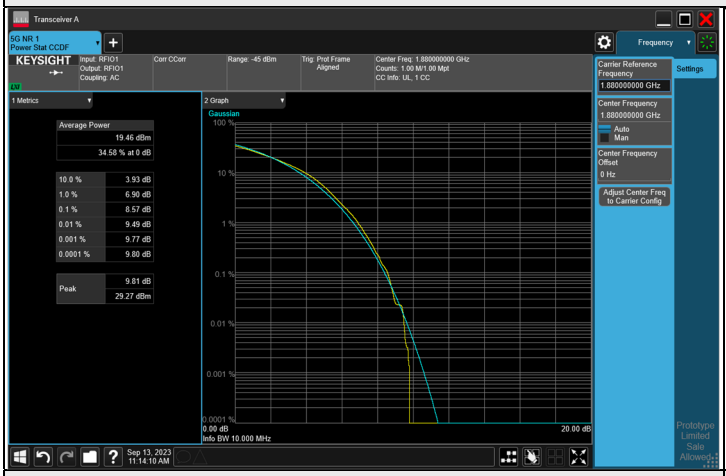
NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 370500	CH 376000	CH 381500
			1852.5 MHz	1880 MHz	1907.5 MHz
BPSK	12	6	4.46	4.54	4.46
QPSK	13	6	8.15	8.07	7.92
16QAM	13	6	8.39	8.34	8.19
64QAM	13	6	8.70	8.83	8.70
256QAM	13	6	8.35	8.55	9.26

Spectrum Plot of Worst Value	
	
256QAM CH 381500 (1907.5 MHz)	

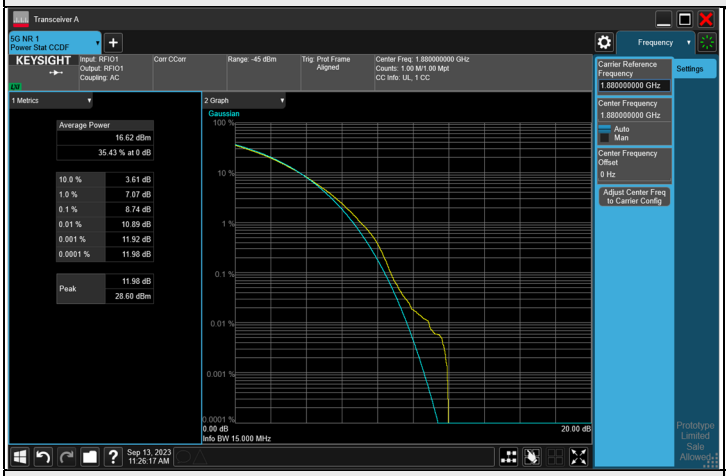
NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 371000	CH 376000	CH 381000
			1855 MHz	1880 MHz	1905 MHz
BPSK	25	12	4.73	4.81	4.75
QPSK	26	13	8.44	8.35	8.17
16QAM	26	13	8.37	8.26	8.14
64QAM	26	13	8.49	8.57	8.48
256QAM	26	13	8.43	8.56	8.32

Spectrum Plot of Worst Value	
	
64QAM CH 376000 (1880 MHz)	

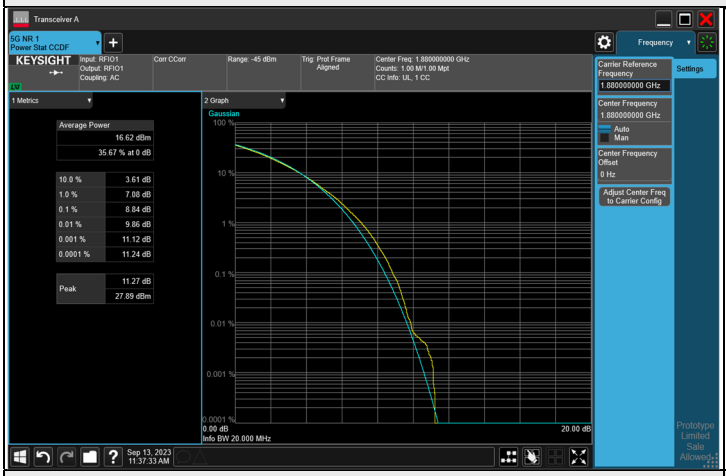
NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 371500	CH 376000	CH 380500
			1857.5 MHz	1880 MHz	1902.5 MHz
BPSK	36	18	4.45	4.50	4.41
QPSK	39	19	8.34	8.27	8.12
16QAM	39	19	8.41	8.37	8.20
64QAM	39	19	8.43	8.51	8.35
256QAM	39	19	8.65	8.74	8.33

Spectrum Plot of Worst Value	
	
256QAM CH 376000 (1880 MHz)	

NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

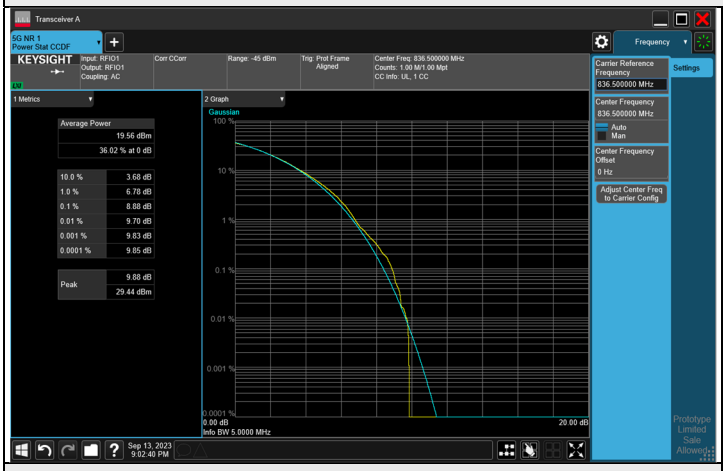
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 372000	CH 376000	CH 380000
			1860 MHz	1880 MHz	1900 MHz
BPSK	50	25	4.55	4.60	4.45
QPSK	53	26	8.12	8.07	7.88
16QAM	53	26	8.43	8.39	8.18
64QAM	53	26	8.57	8.57	8.38
256QAM	53	26	8.71	8.84	8.33

Spectrum Plot of Worst Value	
	
256QAM CH 376000 (1880 MHz)	

7.3.2 NR n5 SCS 15 kHz

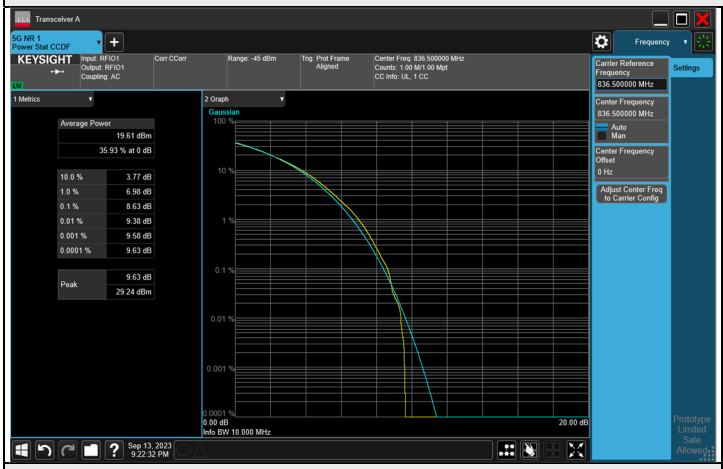
NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 165300	CH 167300	CH 169300
			826.5 MHz	836.5 MHz	846.5 MHz
BPSK	12	6	4.22	4.66	4.38
QPSK	13	6	7.12	7.84	7.32
16QAM	13	6	7.48	8.18	7.65
64QAM	13	6	8.26	8.88	8.51
256QAM	13	6	7.93	8.31	8.00

Spectrum Plot of Worst Value	
	
64QAM CH 167300 (836.5 MHz)	

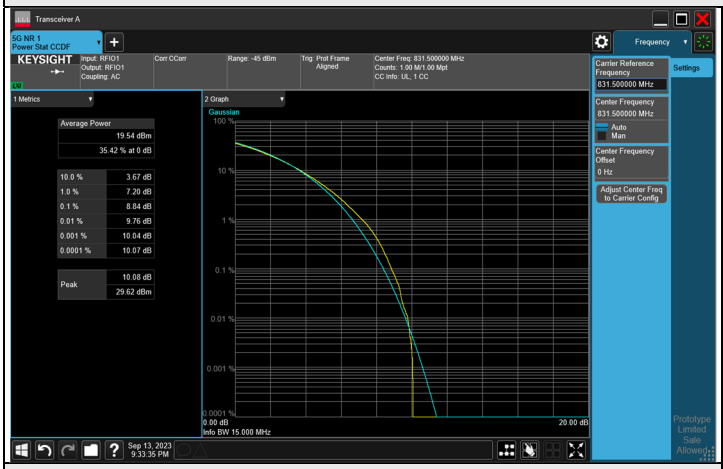
NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 165800	CH 167300	CH 168800
			829 MHz	836.5 MHz	844 MHz
BPSK	25	12	4.74	4.89	4.26
QPSK	26	13	7.78	8.04	6.98
16QAM	26	13	7.95	8.15	7.20
64QAM	26	13	8.48	8.63	7.94
256QAM	26	13	8.14	8.36	7.87

Spectrum Plot of Worst Value	
	
64QAM CH 167300 (836.5 MHz)	

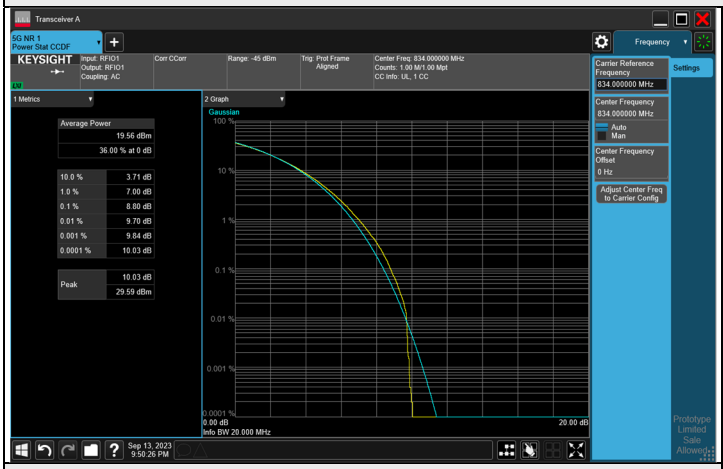
NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 166300	CH 167300	CH 168300
			831.5 MHz	836.5 MHz	841.5 MHz
BPSK	36	18	4.81	4.59	4.11
QPSK	39	19	8.14	7.96	6.92
16QAM	39	19	8.33	8.19	7.25
64QAM	39	19	8.84	8.52	7.91
256QAM	39	19	8.52	8.52	8.13

Spectrum Plot of Worst Value	
	
64QAM CH 166300 (831.5 MHz)	

NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

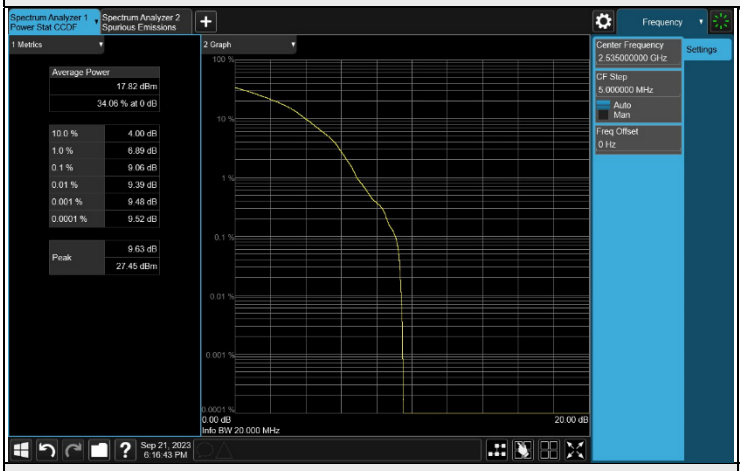
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 166800	CH 167300	CH 167800
			834 MHz	836.5 MHz	839 MHz
BPSK	50	25	4.83	4.54	4.34
QPSK	53	26	8.00	7.71	7.34
16QAM	53	26	8.42	8.15	7.74
64QAM	53	26	8.80	8.55	8.27
256QAM	53	26	8.63	8.58	8.45

Spectrum Plot of Worst Value	
	
64QAM CH 166800 (834 MHz)	

7.3.3 NR n7 SCS 15 kHz

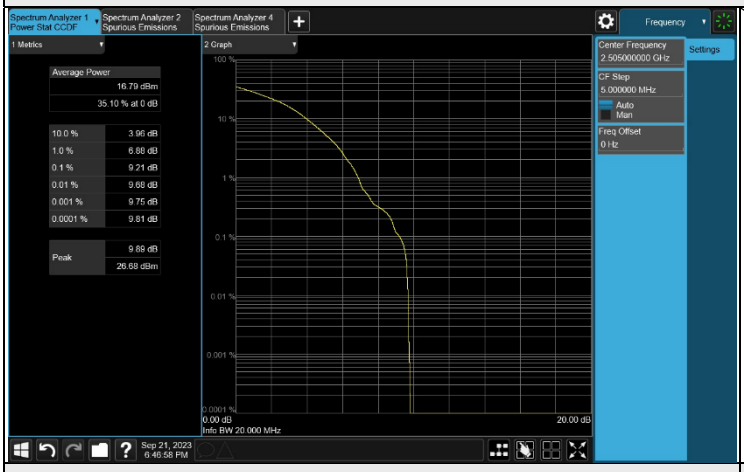
NR n7 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 500500	CH 507000	CH 513500
			2502.5 MHz	2535 MHz	2567.5 MHz
BPSK	1	0	4.53	4.23	4.73
QPSK	1	0	7.14	7.41	6.98
16QAM	1	0	8.33	9.01	8.1
64QAM	1	0	7.99	8.53	7.98
256QAM	1	0	8.74	9.06	8.22

Spectrum Plot of Worst Value	
	
256QAM CH 507000 (2535 MHz)	

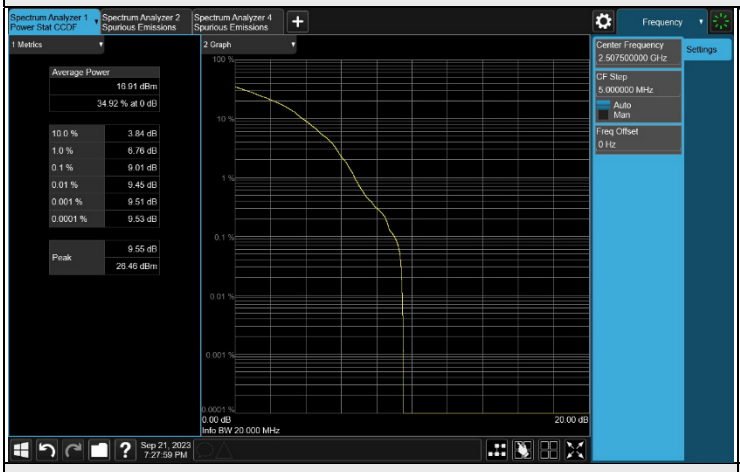
NR n7 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 501000	CH 507000	CH 513000
			2505 MHz	2535 MHz	2565 MHz
BPSK	1	0	4.5	4.68	4.68
QPSK	1	0	7.7	6.96	6.94
16QAM	1	0	8.23	9.09	8.07
64QAM	1	0	7.89	8.78	8.07
256QAM	1	0	9.21	8.47	8.94

Spectrum Plot of Worst Value	
	
256QAM CH 501000 (2505 MHz)	

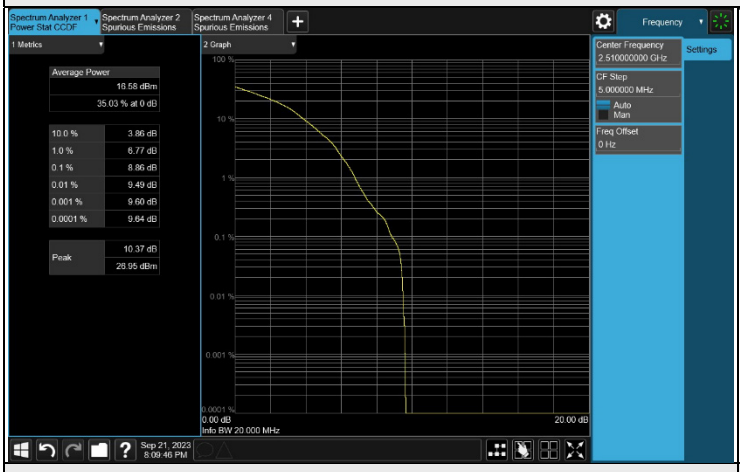
NR n7 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 501500	CH 507000	CH 512500
			2507.5 MHz	2535 MHz	2562.5 MHz
BPSK	1	0	4.34	4.33	4.97
QPSK	1	0	7.03	7.77	6.7
16QAM	1	0	7.72	8.28	8.02
64QAM	1	0	8.35	8.19	7.81
256QAM	1	0	9.01	8.1	8.63

Spectrum Plot of Worst Value	
	
256QAM CH 501500 (2507.5 MHz)	

NR n7 SCS 15 kHz, Channel Bandwidth: 20 MHz

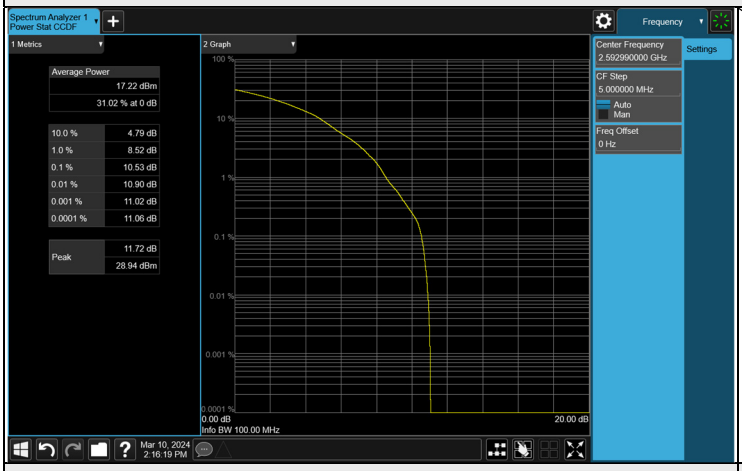
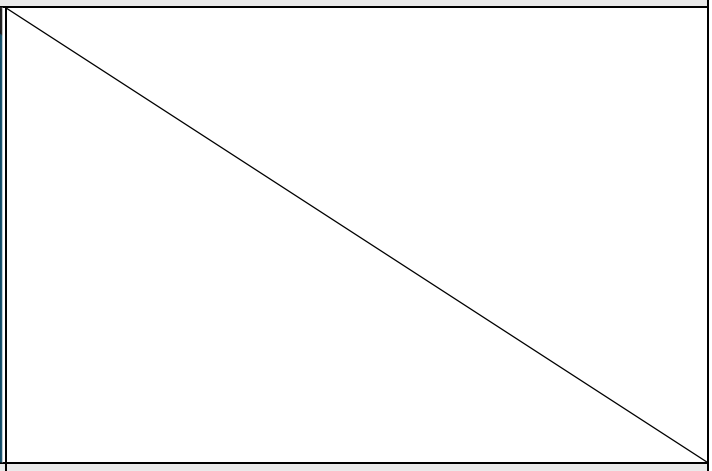
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 502000	CH 507000	CH 512000
			2510 MHz	2535 MHz	2560 MHz
BPSK	1	0	4.3	4.65	3.91
QPSK	1	0	6.96	8.2	6.86
16QAM	1	0	7.72	7.82	8.46
64QAM	1	0	7.98	7.68	7.74
256QAM	1	0	8.86	8.03	8.61

Spectrum Plot of Worst Value	
	
256QAM CH 502000 (2510 MHz)	

7.3.4 NR n41 SCS 30 kHz (PC2)

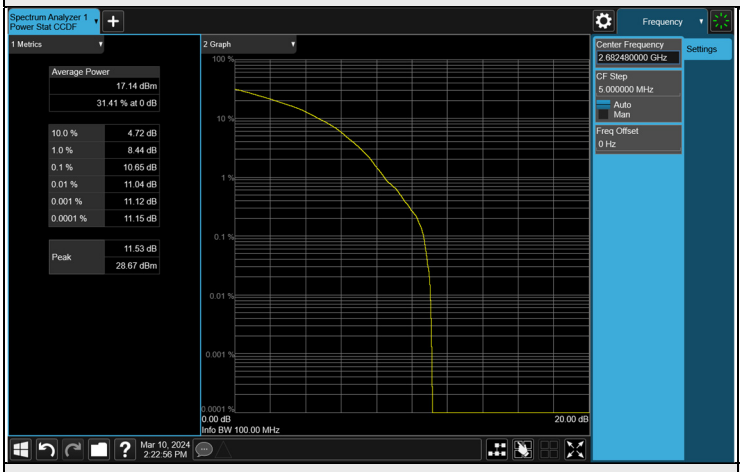
NR n41 SCS 30 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 500202	CH 518598	CH 537000
			2501.1 MHz	2592.99 MHz	2685 MHz
BPSK	1	0	4.97	5.87	5.14
QPSK	1	0	7.84	7.9	7.84
16 QAM	1	0	8.29	7.92	7.83
64 QAM	1	0	8.83	9.34	8.81
256 QAM	1	0	10.45	10.53	10.07

Spectrum Plot of Worst Value	
	
256 QAM CH 518598 (2592.99 MHz)	

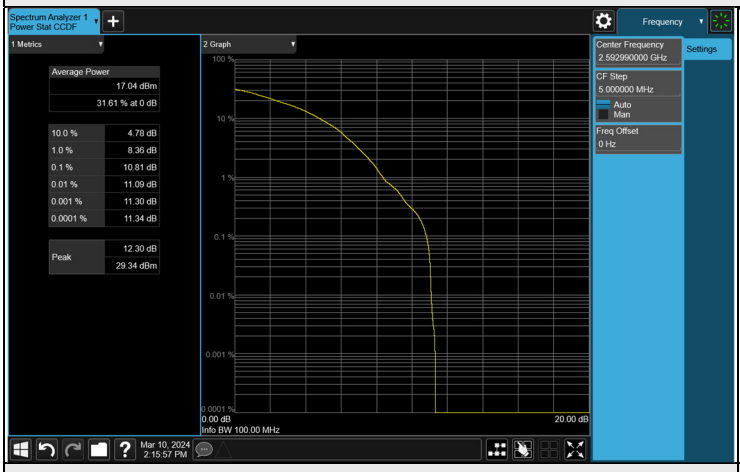
NR n41 SCS 30 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 500700	CH 518598	CH 536496
			2503.5 MHz	2592.99 MHz	2682.48 MHz
BPSK	1	0	5.13	5.45	5.08
QPSK	1	0	8.53	7.49	7.94
16 QAM	1	0	8.33	8.21	7.74
64 QAM	1	0	9.44	9.14	9.21
256 QAM	1	0	10.33	10.22	10.65

Spectrum Plot of Worst Value	
	
256 QAM CH 536496 (2682.48 MHz)	

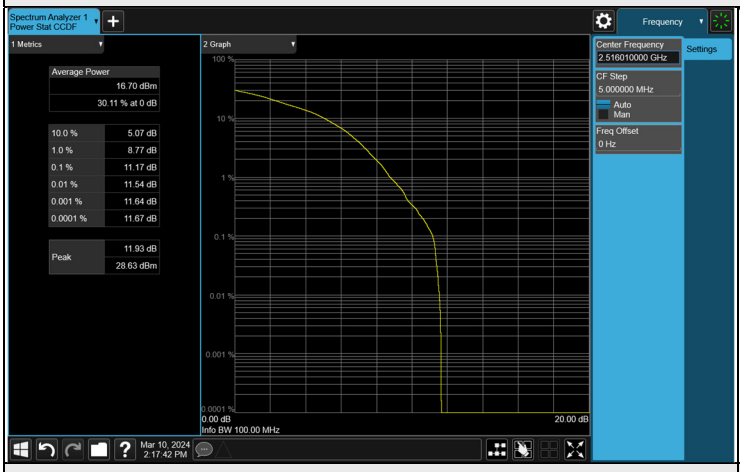
NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 501204	CH 518598	CH 536496
			2506.02MHz	2592.99 MHz	2679.99 MHz
BPSK	1	0	5.04	5.79	5.14
QPSK	1	0	8.14	7.61	8.06
16 QAM	1	0	8.3	8.28	7.78
64 QAM	1	0	9.54	9.33	8.93
256 QAM	1	0	10.34	10.81	10.46

Spectrum Plot of Worst Value	
	
256 QAM CH 518598 (2592.99 MHz)	

NR n41 SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 503202	CH 518598	CH 534000
			2516.01 MHz	2592.99 MHz	2670 MHz
BPSK	1	0	4.72	5.3	5.43
QPSK	1	0	8.32	7.32	7.53
16 QAM	1	0	8.53	8.06	8.12
64 QAM	1	0	9.6	8.89	9.21
256 QAM	1	0	11.17	10.59	10.27

Spectrum Plot of Worst Value	
	
256 QAM CH 503202 (2516.01 MHz)	