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 90** **47 CFR FCC Part 2**
Report No.:	RFBBQZ-WTW-P24030292-6
FCC ID:	PY324100618
Product:	Nighthawk 5G Mobile Router
Brand:	NETGEAR
Model No.:	MR7400
Received Date:	2024/3/18
Test Date:	2024/3/22 ~ 2024/6/6
Issued Date:	2024/7/1
Applicant and Manufacturer:	NETGEAR, INC.
Address:	350 East Plumeria Drive San Jose CA 95134
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:** **2024/7/1**

Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P24030292-6	Original release.	2024/7/1

1 Certificate

Product:	Nighthawk 5G Mobile Router
Brand:	NETGEAR
Test Model:	MR7400
Sample Status:	Engineering sample
Applicant and Manufacturer:	NETGEAR, INC.
Test Date:	2024/3/22 ~ 2024/6/6
Standard:	47 CFR FCC Part 22 47 CFR FCC Part 24 47 CFR FCC Part 27 47 CFR FCC Part 90 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 KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 22.913 (a) Part 24.232 (c) Part 27.50(d) Part 27.50(c) Part 27.50(a) Part 27.50(k) Part 27.50(j) Part 90.542(a)(7)	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(g) Part 27.53(a) Part 27.53(n) Part 27.53(l) Part 90.543(e)(f)	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(g) Part 27.53(a) Part 27.53(n) Part 27.53(l) Part 90.543(e)(f)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -6.57 dB at 105.66 MHz
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(g) Part 27.53(a) Part 27.53(n) Part 27.53(l) Part 90.543(e)(f)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -5.80 dB at 4620.00 MHz
Part 2.1055 Part 22.355 Part 24.235 Part 27.54 Part 90.539(e)	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 (±)
Effective Radiated Power and Equivalent Isotropically Radiated Power	18 GHz ~ 40 GHz	2.29 dB
	1 GHz ~ 18 GHz	2.29 dB
Peak to Average Ratio	-	0.920 dB
Bandwidth	-	960 Hz
Conducted Spurious Emissions	-	2.12 dB
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.64 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB
Frequency Stability	-	0.176 ppm

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	Nighthawk 5G Mobile Router
Brand	NETGEAR
Test Model	MR7400
Status of EUT	Engineering sample
Power Supply Rating	3.85Vdc from battery 5Vdc or 9Vdc or 12Vdc from adapter
EUT Category	Portable station

Note:

1. EUT Overview

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
NR n5 SCS 15 kHz	5 MHz	826.5 ~ 846.5	BPSK	0.130	21.13	4M47G7D
			QPSK	0.131	21.18	4M49G7D
			16QAM	0.093	19.67	4M46D7W
			64QAM	0.070	18.47	4M47D7W
			256QAM	0.043	16.33	4M49D7W
	10 MHz	829 ~ 844	BPSK	0.131	21.18	9M20G7D
			QPSK	0.132	21.19	9M30G7D
			16QAM	0.093	19.68	9M30D7W
			64QAM	0.070	18.47	9M29D7W
			256QAM	0.043	16.35	9M29D7W
	15 MHz	831.5 ~ 841.5	BPSK	0.131	21.18	14M0G7D
			QPSK	0.131	21.16	14M1G7D
			16QAM	0.091	19.58	14M1D7W
			64QAM	0.070	18.46	14M1D7W
			256QAM	0.043	16.35	14M1D7W
	20 MHz	834 ~ 839	BPSK	0.131	21.18	18M8G7D
			QPSK	0.132	21.22	19M0G7D
			16QAM	0.093	19.68	19M0D7W
			64QAM	0.070	18.48	19M0D7W
			256QAM	0.044	16.39	19M0D7W

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
NR n12 SCS 15 kHz	5 MHz	701.5 ~ 707.5	BPSK	0.153	21.86	4M48G7D
			QPSK	0.154	21.88	4M48G7D
			16QAM	0.128	21.06	4M48D7W
			64QAM	0.093	19.69	4M48D7W
			256QAM	0.049	16.9	4M48D7W
	10 MHz	704 ~ 711	BPSK	0.154	21.88	9M24G7D
			QPSK	0.155	21.89	9M29G7D
			16QAM	0.128	21.06	9M31D7W
			64QAM	0.093	19.7	9M31D7W
			256QAM	0.049	16.92	9M29D7W
	15 MHz	706.5 ~ 108.5	BPSK	0.155	21.9	14M0G7D
			QPSK	0.156	21.94	14M1G7D
			16QAM	0.128	21.08	14M1D7W
			64QAM	0.095	19.77	14M1D7W
			256QAM	0.05	16.95	14M1D7W
NR n14 SCS 15 kHz	5 MHz	790.5 ~ 795.5	BPSK	0.166	22.2	4M50G7D
			QPSK	0.168	22.26	4M46G7D
			16QAM	0.105	20.2	4M49D7W
			64QAM	0.091	19.59	4M48D7W
			256QAM	0.057	17.57	4M48D7W
	10 MHz	793	BPSK	0.167	22.24	9M17G7D
			QPSK	0.169	22.27	9M27G7D
			16QAM	0.105	20.21	9M29D7W
			64QAM	0.092	19.64	9M27D7W
			256QAM	0.057	17.58	9M28D7W

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n30 SCS 15 kHz	5 MHz	2307.5 ~ 2312.5	π/2 BPSK	0.239	23.78	4M47G7D
			QPSK	0.193	22.86	4M48G7D
			16QAM	0.154	21.87	4M48D7W
			64QAM	0.122	20.86	4M47D7W
			256QAM	0.097	19.87	4M50D7W
	10 MHz	2310 ~ 2310	π/2 BPSK	0.231	23.63	9M19G7D
			QPSK	0.18	22.55	9M28G7D
			16QAM	0.143	21.55	9M28D7W
			64QAM	0.113	20.53	9M26D7W
			256QAM	0.091	19.57	9M27D7W
NR n2 SCS 15 kHz	5 MHz	1852.5 ~ 1907.5	BPSK	0.42	26.23	4M49G7D
			QPSK	0.429	26.32	4M47G7D
			16QAM	0.306	24.86	4M49D7W
			64QAM	0.207	23.17	4M48D7W
			256QAM	0.132	21.22	4M50D7W
	10 MHz	1855 ~ 1905	BPSK	0.42	26.23	8M98G7D
			QPSK	0.436	26.39	9M34G7D
			16QAM	0.313	24.95	9M28D7W
			64QAM	0.205	23.12	9M35D7W
			256QAM	0.132	21.22	9M33D7W
	15 MHz	1857.5 ~ 1902.5	BPSK	0.423	26.26	13M5G7D
			QPSK	0.433	26.36	14M2G7D
			16QAM	0.308	24.89	14M2D7W
			64QAM	0.204	23.09	14M2D7W
			256QAM	0.132	21.22	14M2D7W
	20 MHz	1860 ~ 1900	BPSK	0.423	26.26	18M0G7D
			QPSK	0.436	26.39	19M1G7D
			16QAM	0.313	24.96	19M1D7W
			64QAM	0.208	23.19	19M0D7W
			256QAM	0.134	21.28	19M1D7W

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n66 SCS 15 kHz	5 MHz	1712.5 ~ 1777.5	BPSK	0.472	26.74	4M47G7D
			QPSK	0.488	26.88	4M49G7D
			16QAM	0.372	25.7	4M48D7W
			64QAM	0.274	24.37	4M47D7W
			256QAM	0.176	22.45	4M49D7W
	10 MHz	1717 ~ 1775	BPSK	0.475	26.77	9M20G7D
			QPSK	0.484	26.85	9M29G7D
			16QAM	0.372	25.7	9M32D7W
			64QAM	0.275	24.4	9M29D7W
			256QAM	0.176	22.45	9M29D7W
	15 MHz	1717.5 ~ 1772.5	BPSK	0.47	26.72	14M0G7D
			QPSK	0.482	26.83	14M1G7D
			16QAM	0.373	25.72	14M1D7W
			64QAM	0.274	24.38	14M1D7W
			256QAM	0.174	22.41	14M1D7W
	20 MHz	1720 ~ 1770	BPSK	0.475	26.77	18M8G7D
			QPSK	0.484	26.85	18M9G7D
			16QAM	0.371	25.69	18M9D7W
			64QAM	0.275	24.4	18M9D7W
			256QAM	0.174	22.41	18M9D7W
	25 MHz	1722.5 ~ 1767.5	BPSK	0.471	26.73	23M6G7D
			QPSK	0.485	26.86	23M7G7D
			16QAM	0.372	25.71	23M7D7W
			64QAM	0.28	24.47	23M7D7W
			256QAM	0.173	22.39	23M7D7W
	30 MHz	1725 ~ 1765	BPSK	0.473	26.75	28M5G7D
			QPSK	0.486	26.87	28M5G7D
			16QAM	0.367	25.65	28M5D7W
			64QAM	0.275	24.4	28M5D7W
			256QAM	0.173	22.37	28M5D7W
	40 MHz	1730 ~ 1760	BPSK	0.48	26.81	38M5G7D
			QPSK	0.491	26.91	38M5G7D
			16QAM	0.374	25.73	38M5D7W
			64QAM	0.281	24.48	38M5D7W
			256QAM	0.176	22.46	38M5D7W

SISO Mode (PC2)

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)	10 MHz	3455.01 ~ 3544.98	BPSK	0.748	28.74
			QPSK	0.783	28.94
			16QAM	0.611	27.86
			64QAM	0.454	26.57
			256QAM	0.280	24.47
	15 MHz	3457.5 ~ 3542.49	BPSK	0.748	28.74
			QPSK	0.774	28.89
			16QAM	0.607	27.83
			64QAM	0.459	26.62
			256QAM	0.285	24.55
	20 MHz	3460.02 ~ 3540	BPSK	0.746	28.73
			QPSK	0.771	28.87
			16QAM	0.607	27.83
			64QAM	0.454	26.57
			256QAM	0.285	24.55
	25 MHz	3462.51 ~ 3537.48	BPSK	0.698	28.44
			QPSK	0.736	28.67
			16QAM	0.575	27.6
			64QAM	0.439	26.42
			256QAM	0.265	24.23
	30 MHz	3465 ~ 3534.99	BPSK	0.690	28.39
			QPSK	0.729	28.63
			16QAM	0.570	27.56
			64QAM	0.435	26.38
			256QAM	0.265	24.24
	40 MHz	3470.01 ~ 3529.98	BPSK	0.695	28.42
			QPSK	0.735	28.66
			16QAM	0.581	27.64
			64QAM	0.430	26.33
			256QAM	0.267	24.27
	50 MHz	3475.02 ~ 3525	BPSK	0.705	28.48
			QPSK	0.738	28.68
			16QAM	0.578	27.62
			64QAM	0.437	26.4
			256QAM	0.268	24.28
	60 MHz	3480 ~ 3519.99	BPSK	0.698	28.44
			QPSK	0.740	28.69
			16QAM	0.585	27.67
			64QAM	0.437	26.4
			256QAM	0.272	24.34

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)	70 MHz	3485.01 ~ 3514.98	BPSK	0.718	28.56
			QPSK	0.755	28.78
			16QAM	0.594	27.74
			64QAM	0.445	26.48
			256QAM	0.274	24.38
	80 MHz	3490.02 ~ 3510	BPSK	0.733	28.65
			QPSK	0.767	28.85
			16QAM	0.600	27.78
			64QAM	0.453	26.56
			256QAM	0.282	24.5
	90 MHz	3495 ~ 3504.99	BPSK	0.748	28.74
			QPSK	0.783	28.94
			16QAM	0.614	27.88
			64QAM	0.463	26.66
			256QAM	0.285	24.55
	100 MHz	3500.01	BPSK	0.748	28.74
			QPSK	0.787	28.96
			16QAM	0.628	27.98
			64QAM	0.460	26.63
			256QAM	0.278	24.44

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)	10 MHz	3705 ~ 3975	BPSK	0.735	28.66
			QPSK	0.750	28.75
			16QAM	0.592	27.72
			64QAM	0.484	26.85
			256QAM	0.303	24.82
	15 MHz	3707.52 ~ 3972.48	BPSK	0.726	28.61
			QPSK	0.741	28.7
			16QAM	0.582	27.65
			64QAM	0.480	26.81
			256QAM	0.298	24.74
	20 MHz	3710.01 ~ 3969.99	BPSK	0.728	28.62
			QPSK	0.745	28.72
			16QAM	0.589	27.7
			64QAM	0.488	26.88
			256QAM	0.303	24.81
	25 MHz	3712.5 ~ 3967.5	BPSK	0.729	28.63
			QPSK	0.738	28.68
			16QAM	0.593	27.73
			64QAM	0.489	26.89
			256QAM	0.298	24.74
	30 MHz	3715.02 ~ 3964.98	BPSK	0.723	28.59
			QPSK	0.743	28.71
			16QAM	0.589	27.7
			64QAM	0.482	26.83
			256QAM	0.298	24.74
	40 MHz	3720 ~ 3960	BPSK	0.721	28.58
			QPSK	0.753	28.77
			16QAM	0.593	27.73
			64QAM	0.485	26.86
			256QAM	0.300	24.77
	50 MHz	3725.01 ~ 3954.99	BPSK	0.735	28.66
			QPSK	0.740	28.69
			16QAM	0.589	27.7
			64QAM	0.486	26.87
			256QAM	0.302	24.8
	60 MHz	3730.02 ~ 3949.98	BPSK	0.726	28.61
			QPSK	0.750	28.75
			16QAM	0.590	27.71
			64QAM	0.490	26.9
			256QAM	0.301	24.78

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)	70 MHz	3735 ~ 3945	BPSK	0.731	28.64
			QPSK	0.753	28.77
			16QAM	0.589	27.7
			64QAM	0.490	26.9
			256QAM	0.301	24.79
	80 MHz	3740.01 ~ 3939.99	BPSK	0.721	28.58
			QPSK	0.753	28.77
			16QAM	0.582	27.65
			64QAM	0.485	26.86
			256QAM	0.300	24.77
	90 MHz	3745.02 ~ 3934.98	BPSK	0.721	28.58
			QPSK	0.748	28.74
			16QAM	0.583	27.66
			64QAM	0.485	26.86
			256QAM	0.301	24.78
	100 MHz	3750 ~ 3930	BPSK	0.738	28.68
			QPSK	0.759	28.8
			16QAM	0.596	27.75
			64QAM	0.493	26.93
			256QAM	0.305	24.84

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)	10 MHz	3455.01 ~ 3544.98	BPSK	0.478	26.79
			QPSK	0.478	26.79
			16QAM	0.355	25.5
			64QAM	0.242	23.83
			256QAM	0.163	22.12
	15 MHz	3457.5 ~ 3542.49	BPSK	0.473	26.75
			QPSK	0.479	26.8
			16QAM	0.354	25.49
			64QAM	0.247	23.93
			256QAM	0.164	22.14
	20 MHz	3460.02 ~ 3540	BPSK	0.471	26.73
			QPSK	0.478	26.79
			16QAM	0.354	25.49
			64QAM	0.242	23.83
			256QAM	0.160	22.05
	25 MHz	3462.51 ~ 3537.48	BPSK	0.478	26.79
			QPSK	0.474	26.76
			16QAM	0.350	25.44
			64QAM	0.244	23.87
			256QAM	0.164	22.14
	30 MHz	3465 ~ 3534.99	BPSK	0.471	26.73
			QPSK	0.474	26.76
			16QAM	0.354	25.49
			64QAM	0.245	23.89
			256QAM	0.163	22.12
	40 MHz	3470.01 ~ 3529.98	BPSK	0.472	26.74
			QPSK	0.479	26.8
			16QAM	0.352	25.47
			64QAM	0.245	23.9
			256QAM	0.163	22.11
	50 MHz	3475.02 ~ 3525	BPSK	0.480	26.81
			QPSK	0.482	26.83
			16QAM	0.356	25.51
			64QAM	0.243	23.86
			256QAM	0.163	22.13
	60 MHz	3480 ~ 3519.99	BPSK	0.471	26.73
			QPSK	0.481	26.82
			16QAM	0.351	25.45
			64QAM	0.245	23.89
			256QAM	0.163	22.13

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)	70 MHz	3485.01 ~ 3514.98	BPSK	0.472	26.74
			QPSK	0.476	26.78
			16QAM	0.355	25.5
			64QAM	0.245	23.89
			256QAM	0.161	22.07
	80 MHz	3490.02 ~ 3510	BPSK	0.479	26.8
			QPSK	0.476	26.78
			16QAM	0.353	25.48
			64QAM	0.244	23.87
			256QAM	0.161	22.08
	90 MHz	3495 ~ 3504.99	BPSK	0.480	26.81
			QPSK	0.480	26.81
			16QAM	0.354	25.49
			64QAM	0.244	23.88
			256QAM	0.163	22.13
	100 MHz	3500.01	BPSK	0.480	26.81
			QPSK	0.482	26.83
			16QAM	0.356	25.51
			64QAM	0.247	23.93
			256QAM	0.164	22.15

MIMO Mode

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)	10 MHz	3455.01 ~ 3544.98	QPSK	0.946	29.76	8M60G7D
			16QAM	0.74	28.69	8M60D7W
			64QAM	0.414	26.17	8M62D7W
			256QAM	0.255	24.07	8M63D7W
	15 MHz	3457.5 ~ 3542.49	QPSK	0.951	29.78	13M6G7D
			16QAM	0.735	28.66	13M6D7W
			64QAM	0.414	26.17	13M6D7W
			256QAM	0.257	24.1	13M6D7W
	20 MHz	3460.02 ~ 3540	QPSK	0.944	29.75	18M2G7D
			16QAM	0.738	28.68	18M3D7W
			64QAM	0.415	26.18	18M2D7W
			256QAM	0.257	24.1	18M2D7W
	25 MHz	3462.51 ~ 3537.48	QPSK	0.944	29.75	23M2G7D
			16QAM	0.74	28.69	23M2D7W
			64QAM	0.414	26.17	23M2D7W
			256QAM	0.258	24.11	23M2D7W
	30 MHz	3465 ~ 3534.99	QPSK	0.942	29.74	27M8G7D
			16QAM	0.741	28.7	27M9D7W
			64QAM	0.414	26.17	27M8D7W
			256QAM	0.258	24.11	27M9D7W
	40 MHz	3470.01 ~ 3529.98	QPSK	0.944	29.75	37M8G7D
			16QAM	0.741	28.7	37M7D7W
			64QAM	0.416	26.19	37M8D7W
			256QAM	0.258	24.12	37M8D7W
	50 MHz	3475.02 ~ 3525	QPSK	0.94	29.73	47M4G7D
			16QAM	0.743	28.71	47M4D7W
			64QAM	0.415	26.18	47M5D7W
			256QAM	0.259	24.14	47M4D7W
	60 MHz	3480 ~ 3519.99	QPSK	0.944	29.75	57M8G7D
			16QAM	0.745	28.72	57M8D7W
			64QAM	0.414	26.17	57M8D7W
			256QAM	0.257	24.1	57M7D7W
	70 MHz	3485.01 ~ 3514.98	QPSK	0.944	29.75	67M3G7D
			16QAM	0.741	28.7	67M4D7W
			64QAM	0.417	26.2	67M5D7W
			256QAM	0.257	24.1	67M3D7W
	80 MHz	3490.02 ~ 3510	QPSK	0.944	29.75	77M3G7D
			16QAM	0.738	28.68	77M4D7W
			64QAM	0.413	26.16	77M5D7W
			256QAM	0.258	24.11	77M5D7W

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)	90 MHz	3495 ~ 3504.99	QPSK	0.946	29.76	87M3G7D
			16QAM	0.738	28.68	87M3D7W
			64QAM	0.416	26.19	87M4D7W
			256QAM	0.257	24.1	87M3D7W
	100 MHz	3500.01	QPSK	0.953	29.79	97M0G7D
			16QAM	0.745	28.72	97M0D7W
			64QAM	0.418	26.21	97M1D7W
			256QAM	0.259	24.14	97M2D7W

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)	10 MHz	3705 ~ 3975	QPSK	0.982	29.92	8M61G7D
			16QAM	0.743	28.71	8M61D7W
			64QAM	0.524	27.19	8M61D7W
			256QAM	0.342	25.34	8M60D7W
	15 MHz	3707.52 ~ 3972.48	QPSK	0.989	29.95	13M6G7D
			16QAM	0.748	28.74	13M8D7W
			64QAM	0.527	27.22	13M6D7W
			256QAM	0.338	25.29	13M6D7W
	20 MHz	3710.01 ~ 3969.99	QPSK	0.991	29.96	18M2G7D
			16QAM	0.746	28.73	18M2D7W
			64QAM	0.52	27.16	18M2D7W
			256QAM	0.343	25.35	18M2D7W
	25 MHz	3712.5 ~ 3967.5	QPSK	0.984	29.93	23M3G7D
			16QAM	0.752	28.76	23M2D7W
			64QAM	0.528	27.23	23M2D7W
			256QAM	0.336	25.26	23M2D7W
	30 MHz	3715.02 ~ 3964.98	QPSK	0.989	29.95	27M8G7D
			16QAM	0.741	28.7	27M8D7W
			64QAM	0.521	27.17	27M9D7W
			256QAM	0.342	25.34	27M9D7W
	40 MHz	3720 ~ 3960	QPSK	0.975	29.89	37M8G7D
			16QAM	0.75	28.75	37M8D7W
			64QAM	0.52	27.16	37M9D7W
			256QAM	0.34	25.32	37M8D7W
	50 MHz	3725.01 ~ 3954.99	QPSK	0.995	29.98	47M5G7D
			16QAM	0.757	28.79	47M4D7W
			64QAM	0.525	27.2	47M5D7W
			256QAM	0.337	25.28	47M4D7W
	60 MHz	3730.02 ~ 3949.98	QPSK	0.982	29.92	57M9G7D
			16QAM	0.745	28.72	57M8D7W
			64QAM	0.524	27.19	57M8D7W
			256QAM	0.341	25.33	57M8D7W
	70 MHz	3735 ~ 3945	QPSK	0.984	29.93	67M5G7D
			16QAM	0.752	28.76	67M3D7W
			64QAM	0.526	27.21	67M4D7W
			256QAM	0.337	25.28	67M4D7W
	80 MHz	3740.01 ~ 3939.99	QPSK	0.989	29.95	77M5G7D
			16QAM	0.755	28.78	77M4D7W
			64QAM	0.526	27.21	77M4D7W
			256QAM	0.34	25.31	77M4D7W

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)	90 MHz	3745.02 ~ 3934.98	QPSK	0.977	29.9	87M4G7D
			16QAM	0.748	28.74	87M4D7W
			64QAM	0.522	27.18	87M4D7W
			256QAM	0.339	25.3	87M3D7W
	100 MHz	3750 ~ 3930	QPSK	0.998	29.99	97M3G7D
			16QAM	0.759	28.8	97M4D7W
			64QAM	0.53	27.24	97M4D7W
			256QAM	0.344	25.36	97M4D7W

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)	10 MHz	3455.01 ~ 3544.98	QPSK	0.516	27.13
			16QAM	0.387	25.88
			64QAM	0.218	23.38
			256QAM	0.134	21.28
	15 MHz	3457.5 ~ 3542.49	QPSK	0.515	27.12
			16QAM	0.385	25.86
			64QAM	0.220	23.42
			256QAM	0.133	21.23
	20 MHz	3460.02 ~ 3540	QPSK	0.514	27.11
			16QAM	0.384	25.84
			64QAM	0.217	23.37
			256QAM	0.133	21.23
	25 MHz	3462.51 ~ 3537.48	QPSK	0.516	27.13
			16QAM	0.384	25.84
			64QAM	0.218	23.38
			256QAM	0.133	21.23
	30 MHz	3465 ~ 3534.99	QPSK	0.518	27.14
			16QAM	0.385	25.85
			64QAM	0.219	23.41
			256QAM	0.134	21.26
	40 MHz	3470.01 ~ 3529.98	QPSK	0.515	27.12
			16QAM	0.385	25.85
			64QAM	0.219	23.4
			256QAM	0.133	21.25
	50 MHz	3475.02 ~ 3525	QPSK	0.516	27.13
			16QAM	0.384	25.84
			64QAM	0.219	23.4
			256QAM	0.133	21.25
	60 MHz	3480 ~ 3519.99	QPSK	0.515	27.12
			16QAM	0.385	25.86
			64QAM	0.218	23.39
			256QAM	0.134	21.28
	70 MHz	3485.01 ~ 3514.98	QPSK	0.512	27.09
			16QAM	0.385	25.86
			64QAM	0.217	23.37
			256QAM	0.134	21.26
	80 MHz	3490.02 ~ 3510	QPSK	0.514	27.11
			16QAM	0.384	25.84
			64QAM	0.219	23.41
			256QAM	0.134	21.28

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)	90 MHz	3495 ~ 3504.99	QPSK	0.519	27.15
			16QAM	0.388	25.89
			64QAM	0.218	23.39
			256QAM	0.133	21.25
	100 MHz	3500.01	QPSK	0.520	27.16
			16QAM	0.389	25.9
			64QAM	0.220	23.43
			256QAM	0.135	21.3

2. The EUT uses following accessories.

AC Adapter 1			
Brand	Model	Part Number	Specification
NETGEAR	2AFH0183AA	332-11642-01	AC Input : 100-240Vac, 50/60Hz, 0.5A DC Output : 5.0V, 3.0A, 15.0W 9.0V, 2.0A, 18.0W 12.0V, 1.5A, 18.0W DC Output Cable : N/A Plug : US Manufacturer : CWT
AC Adapter 2			
Brand	Model	Part Number	Specification
NETGEAR	AD2122F20	332-11106-03	AC Input : 100-240V, 50/60Hz, 0.5A DC Output : 5V, 2.0A 9V, 1.8A DC Output Cable : N/A Plug : US Manufacturer : PIE
Battery			
Brand	Model	Part Number	Specification
NETGEAR	W-20b	308-10100-01	Power Rating : 3.85Vdc, 19.96Wh
USB Cable 1			
Brand		Model	Specification
HORTON		D0017100R37HR	Signal Line : 1m
USB Cable 2			
Brand		Model	Specification
LUXSHARE PRECISION INDUSTRY		LZZUC052-CS-H	Signal Line : 1m

3. The EUT supports the following configuration.

	FCC 5G FR1			ENDC
	Band	SCS	Bandwidth (MHz)	LTE Band
5GNR	n2	15kHz	5/10/15/20	B5, B7, B12, B14, B30, B66
	n5	15kHz	5/10/15/20	B2, B7, B30, B66
	n12	15kHz	5/10/15	B7
	n66	15kHz	5/10/15/20/25/30/40	B2, B7, B12, B14, B30
	n77	30kHz	10/15/20/25/30/40/50/60/70/80/90/100	B2, B5, B7, B12, B14, B30, B40, B66
	n78	30kHz	10/15/20/25/30/40/50/60/70/80/90/100	B2, B4, B5, B7, B12, B40, B66

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

4. SISO mode 5G NR n77 has same RF characteristic and power setting as 5GNR n78. The entire frequency range of 5G NR band n77 overlaps with band n78. Therefore, in addition to the additional test equivalent isotropic radiated power for 5G NR n78, other test item data are covered by the 5G NR n77 test data.
5. MIMO mode 5G NR band n77 overlaps the entire frequency range of band n78. Therefore, the test results presented in this report cover Band n77 and Band n78. Because n77 and n78 power class specifications are different, there is an additional test of the equivalent isotropic radiated power of 5G NR n78.
6. The manufacturer states that MIMO mode uses uncorrelated technology.
7. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type		Monopole	
LTE Band			
Band	Freq. Range (MHz)	Gain (dBi)	
		Ant. 1	Ant. 2
5GNR n2	1850 ~ 1910	3.25	2.99
5GNR n5	824 ~ 849	-1.31	-0.58
5GNR n12	698 ~ 716	0.47	0.38
5GNR n14	788 ~ 798	0.88	0.66
5GNR n30	2305 ~ 2315	3.01	2.67
5GNR n66	1710 ~ 1780	2.19	3.09
5GNR n77	3300~4200	3.22	2.85
5GNR n78	3300~3800	3.22	2.85

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

Antenna Type		External	
External Connector		TS9	
LTE Band			
Band	Freq. Range (MHz)	Gain (dBi)	
		Ant. 1	Ant. 2
5GNR n2	1850 ~ 1910	0.67	0.45
5GNR n5	824 ~ 849	-1.32	-1.6
5GNR n12	698 ~ 716	-0.83	-1.6
5GNR n14	788 ~ 798	-0.83	-1.6
5GNR n30	2305 ~ 2315	1.03	1.05
5GNR n66	1710 ~ 1780	0.67	0.54
5GNR n77	3300~4200	0.17	1.66
5GNR n78	3300~3800	0.17	1.66

Note:

1. TS9 connector is for the external antennas, while the external antennas are connected, RF outputs are switch from internal 1/2 to the external one.
2. The maximum antenna gain allowed for the external antenna is limited by the internal antenna gain, also illustrated in the user manual.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. For Unwanted Emission (below 1GHz) items: Battery/AC Adapter/USB Cable. Pre-scan these modes and find the worst case as a representative test condition. 2. 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. 3. The EUT 5G NR n77 and n78 supports SISO and MIMO modes and pre-test the maximum EIRP test item to evaluate worst-case modes. The worst case for maximum EIRP power occurs in MIMO, so other items are tested in MIMO mode and recorded in the report.
Worst Case:	1. AC Adapter 1 + USB Cable 1 2. Z-Axis

3.3.1 NR n2 SCS 15 kHz

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	370500(1852.50 MHz) 376000(1880.00 MHz) 381500(1907.50 MHz)	5 MHz	π/2 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	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	376000(1880.00 MHz)	20 MHz	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	371000(1855.00 MHz) 376000(1880.00 MHz) 381000(1905.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	371500(1857.50 MHz) 376000(1880.00 MHz) 380500(1902.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	372000(1860.00 MHz) 376000(1880.00 MHz) 380000(1900.00 MHz)	20 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	370500(1852.50 MHz) 376000(1880.00 MHz) 381500(1907.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	371000(1855.00 MHz) 376000(1880.00 MHz) 381000(1905.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	371500(1857.50 MHz) 376000(1880.00 MHz) 380500(1902.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	372000(1860.00 MHz) 376000(1880.00 MHz) 380000(1900.00 MHz)	20 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

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

3.3.2 NR n5 SCS 15 kHz

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	165300(826.50 MHz) 167300(836.50 MHz) 169300(846.50 MHz)	5 MHz	π/2 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	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	167300(836.50 MHz)	20 MHz	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	165800(829.00 MHz) 167300(836.50 MHz) 168800(844.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	166300(831.50 MHz) 167300(836.50 MHz) 168300(841.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	166800(834.00 MHz) 167300(836.50 MHz) 167800(839.00 MHz)	20 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	165300(826.50 MHz) 167300(836.50 MHz) 169300(846.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	165800(829.00 MHz) 167300(836.50 MHz) 168800(844.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	166300(831.50 MHz) 167300(836.50 MHz) 168300(841.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	166800(834.00 MHz) 167300(836.50 MHz) 167800(839.00 MHz)	20 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

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

3.3.3 NR n12 SCS 15 kHz

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	140300(701.50 MHz) 141500(707.50 MHz) 142700(713.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	140800(704.00 MHz) 141500(707.50 MHz) 142200(711.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	141300(706.50 MHz) 141500(707.50 MHz) 141700(708.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	141500(707.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	140300(701.50 MHz) 141500(707.50 MHz) 142700(713.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	140800(704.00 MHz) 141500(707.50 MHz) 142200(711.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	141300(706.50 MHz) 141500(707.50 MHz) 141700(708.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	140300(701.50 MHz) 141500(707.50 MHz) 142700(713.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	140800(704.00 MHz) 141500(707.50 MHz) 142200(711.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	141300(706.50 MHz) 141500(707.50 MHz) 141700(708.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	140300(701.50 MHz) 141500(707.50 MHz) 142700(713.50 MHz)	5 MHz	QPSK	1 RB Full RB
	140800(704.00 MHz) 141500(707.50 MHz) 142200(711.00 MHz)	10 MHz	QPSK	1 RB Full RB
	141300(706.50 MHz) 141500(707.50 MHz) 141700(708.50 MHz)	15 MHz	QPSK	1 RB Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	141500(707.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	140300(701.50 MHz) 141500(707.50 MHz) 142700(713.50 MHz)	5 MHz	QPSK	1 RB
	141300(706.50 MHz) 141500(707.50 MHz) 141700(708.50 MHz)	15 MHz	QPSK	1 RB
Frequency Stability	140300(701.50 MHz) 142700(713.50 MHz)	5 MHz	QPSK	Full RB
	140800(704.00 MHz) 142200(711.00 MHz)	10 MHz	QPSK	Full RB
	141300(706.50 MHz) 141700(708.50 MHz)	15 MHz	QPSK	Full RB

3.3.4 NR n14 SCS 15 kHz

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	158100(790.50 MHz) 158600(793.00 MHz) 159100(795.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	158600(793.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	158600(793.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	158100(790.50 MHz) 158600(793.00 MHz) 159100(795.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	158600(793.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	158100(790.50 MHz) 158600(793.00 MHz) 159100(795.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	158600(793.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	158100(790.50 MHz) 158600(793.00 MHz) 159100(795.50 MHz)	5 MHz	QPSK	1 RB
	158600(793.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions below 1GHz	159100(795.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	158100(790.50 MHz) 158600(793.00 MHz) 159100(795.50 MHz)	5 MHz	QPSK	1 RB
	158600(793.00 MHz)	10 MHz	QPSK	1 RB
Frequency Stability	158100(790.50 MHz) 159100(795.50 MHz)	5 MHz	QPSK	Full RB
	158600(793.00 MHz)	10 MHz	QPSK	Full RB

3.3.5 NR n30 SCS 15 kHz

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power and Equivalent Isotropically Radiated Power (Radiated)	461500(2307.50 MHz) 462000(2310.00 MHz) 462500(2312.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	462000(2310.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Modulation Characteristics	462000(2310.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	461500(2307.50 MHz) 462000(2310.00 MHz) 462500(2312.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	462000(2310.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	461500(2307.50 MHz) 462000(2310.00 MHz) 462500(2312.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	462000(2310.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	461500(2307.50 MHz) 462000(2310.00 MHz) 462500(2312.50 MHz)	5 MHz	QPSK	1 RB Full RB
	462000(2310.00 MHz)	10 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	462000(2310.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	461500(2307.50 MHz) 462000(2310.00 MHz) 462500(2312.50 MHz)	5 MHz	QPSK	1 RB
	462000(2310.00 MHz)	10 MHz	QPSK	1 RB
Frequency Stability	461500(2307.50 MHz) 462500(2312.50 MHz)	5 MHz	QPSK	Full RB
	462000(2310.00 MHz)	10 MHz	QPSK	Full RB

3.3.6 NR n66 SCS 15 kHz

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	π/2 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	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	344500(1722.50 MHz) 349000(1745.00 MHz) 353500(1767.50 MHz)	25 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	345000(1725.00 MHz) 349000(1745.00 MHz) 353000(1765.00 MHz)	30 MHz	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	349000(1745.00 MHz)	40 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	343000(1715.00 MHz) 349000(1745.00 MHz) 355000(1775.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	343500(1717.50 MHz) 349000(1745.00 MHz) 354500(1772.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	344000(1720.00 MHz) 349000(1745.00 MHz) 354000(1770.00 MHz)	20 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	344500(1722.50 MHz) 349000(1745.00 MHz) 353500(1767.50 MHz)	25 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	345000(1725.00 MHz) 349000(1745.00 MHz) 353000(1765.00 MHz)	30 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	343000(1715.00 MHz) 349000(1745.00 MHz) 355000(1775.00 MHz)	10 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	343500(1717.50 MHz) 349000(1745.00 MHz) 354500(1772.50 MHz)	15 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	344000(1720.00 MHz) 349000(1745.00 MHz) 354000(1770.00 MHz)	20 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	344500(1722.50 MHz) 349000(1745.00 MHz) 353500(1767.50 MHz)	25 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	345000(1725.00 MHz) 349000(1745.00 MHz) 353000(1765.00 MHz)	30 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	QPSK	1 RB Full RB
	343000(1715.00 MHz) 349000(1745.00 MHz) 355000(1775.00 MHz)	10 MHz	QPSK	1 RB Full RB
	343500(1717.50 MHz) 349000(1745.00 MHz) 354500(1772.50 MHz)	15 MHz	QPSK	1 RB Full RB
	344000(1720.00 MHz) 349000(1745.00 MHz) 354000(1770.00 MHz)	20 MHz	QPSK	1 RB Full RB
	344500(1722.50 MHz) 349000(1745.00 MHz) 353500(1767.50 MHz)	25 MHz	QPSK	1 RB Full RB
Conducted Spurious Emissions	345000(1725.00 MHz) 349000(1745.00 MHz) 353000(1765.00 MHz)	30 MHz	QPSK	1 RB Full RB
	346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	QPSK	1 RB Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	349000(1745.00 MHz)	40 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	QPSK	1 RB
	346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	QPSK	1 RB
Frequency Stability	342500(1712.50 MHz) 355500(1777.50 MHz)	5 MHz	QPSK	Full RB
	343000(1715.00 MHz) 355000(1775.00 MHz)	10 MHz	QPSK	Full RB
	343500(1717.50 MHz) 354500(1772.50 MHz)	15 MHz	QPSK	Full RB
	344000(1720.00 MHz) 354000(1770.00 MHz)	20 MHz	QPSK	Full RB
	344500(1722.50 MHz) 353500(1767.50 MHz)	25 MHz	QPSK	Full RB
	345000(1725.00 MHz) 353000(1765.00 MHz)	30 MHz	QPSK	Full RB
	346000(1730.00 MHz) 352000(1760.00 MHz)	40 MHz	QPSK	Full RB

3.3.7 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – SISO

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630834(3462.51 MHz) 633334(3500.01 MHz) 635832(3537.48 MHz)	25 MHz	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633334(3500.01 MHz)	100 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB

3.3.8 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630500(3457.50 MHz) 633334(3500.01 MHz) 636166(3542.49 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630668(3460.02 MHz) 633334(3500.01 MHz) 636000(3540.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630834(3462.51 MHz) 633334(3500.01 MHz) 635832(3537.48 MHz)	25 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631000(3465.00 MHz) 633334(3500.01 MHz) 635666(3534.99 MHz)	30 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631334(3470.01 MHz) 633334(3500.01 MHz) 635332(3529.98 MHz)	40 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632000(3480.00 MHz) 633334(3500.01 MHz) 634666(3519.99 MHz)	60 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632334(3485.01 MHz) 633334(3500.01 MHz) 634332(3514.98 MHz)	70 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632668(3490.02 MHz) 633334(3500.01 MHz) 634000(3510.00 MHz)	80 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633000(3495.00 MHz) 633334(3500.01 MHz) 633666(3504.99 MHz)	90 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633334(3500.01 MHz)	100 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	633334(3500.01 MHz)	100 MHz	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	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	630500(3457.50 MHz) 633334(3500.01 MHz) 636166(3542.49 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	630668(3460.02 MHz) 633334(3500.01 MHz) 636000(3540.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	630834(3462.51 MHz) 633334(3500.01 MHz) 635832(3537.48 MHz)	25 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	631000(3465.00 MHz) 633334(3500.01 MHz) 635666(3534.99 MHz)	30 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	631334(3470.01 MHz) 633334(3500.01 MHz) 635332(3529.98 MHz)	40 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	632000(3480.00 MHz) 633334(3500.01 MHz) 634666(3519.99 MHz)	60 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	632334(3485.01 MHz) 633334(3500.01 MHz) 634332(3514.98 MHz)	70 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	632668(3490.02 MHz) 633334(3500.01 MHz) 634000(3510.00 MHz)	80 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	633000(3495.00 MHz) 633334(3500.01 MHz) 633666(3504.99 MHz)	90 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	633334(3500.01 MHz)	100 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	630500(3457.50 MHz) 633334(3500.01 MHz) 636166(3542.49 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	630668(3460.02 MHz) 633334(3500.01 MHz) 636000(3540.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	630834(3462.51 MHz) 633334(3500.01 MHz) 635832(3537.48 MHz)	25 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	631000(3465.00 MHz) 633334(3500.01 MHz) 635666(3534.99 MHz)	30 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	631334(3470.01 MHz) 633334(3500.01 MHz) 635332(3529.98 MHz)	40 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	632000(3480.00 MHz) 633334(3500.01 MHz) 634666(3519.99 MHz)	60 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	632334(3485.01 MHz) 633334(3500.01 MHz) 634332(3514.98 MHz)	70 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	632668(3490.02 MHz) 633334(3500.01 MHz) 634000(3510.00 MHz)	80 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	633000(3495.00 MHz) 633334(3500.01 MHz) 633666(3504.99 MHz)	90 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	633334(3500.01 MHz)	100 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	QPSK	1 RB Full RB
	630500(3457.50 MHz) 633334(3500.01 MHz) 636166(3542.49 MHz)	15 MHz	QPSK	1 RB Full RB
	630668(3460.02 MHz) 633334(3500.01 MHz) 636000(3540.00 MHz)	20 MHz	QPSK	1 RB Full RB
	630834(3462.51 MHz) 633334(3500.01 MHz) 635832(3537.48 MHz)	25 MHz	QPSK	1 RB Full RB
	631000(3465.00 MHz) 633334(3500.01 MHz) 635666(3534.99 MHz)	30 MHz	QPSK	1 RB Full RB
	631334(3470.01 MHz) 633334(3500.01 MHz) 635332(3529.98 MHz)	40 MHz	QPSK	1 RB Full RB
	631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	QPSK	1 RB Full RB
	632000(3480.00 MHz) 633334(3500.01 MHz) 634666(3519.99 MHz)	60 MHz	QPSK	1 RB Full RB
	632334(3485.01 MHz) 633334(3500.01 MHz) 634332(3514.98 MHz)	70 MHz	QPSK	1 RB Full RB
	632668(3490.02 MHz) 633334(3500.01 MHz) 634000(3510.00 MHz)	80 MHz	QPSK	1 RB Full RB
	633000(3495.00 MHz) 633334(3500.01 MHz) 633666(3504.99 MHz)	90 MHz	QPSK	1 RB Full RB
	633334(3500.01 MHz)	100 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	633334(3500.01 MHz)	100 MHz	QPSK	Full RB
Radiated Spurious Emissions above 1GHz	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	QPSK	Full RB
	631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	QPSK	Full RB
	633334(3500.01 MHz)	100 MHz	QPSK	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	630334(3455.01 MHz) 636332(3544.98 MHz)	10 MHz	QPSK	Full RB
	630500(3457.50 MHz) 636166(3542.49 MHz)	15 MHz	QPSK	Full RB
	630668(3460.02 MHz) 636000(3540.00 MHz)	20 MHz	QPSK	Full RB
	630834(3462.51 MHz) 635832(3537.48 MHz)	25 MHz	QPSK	Full RB
	631000(3465.00 MHz) 635666(3534.99 MHz)	30 MHz	QPSK	Full RB
	631334(3470.01 MHz) 635332(3529.98 MHz)	40 MHz	QPSK	Full RB
	631668(3475.02 MHz) 635000(3525.00 MHz)	50 MHz	QPSK	Full RB
	632000(3480.00 MHz) 634666(3519.99 MHz)	60 MHz	QPSK	Full RB
	632334(3485.01 MHz) 634332(3514.98 MHz)	70 MHz	QPSK	Full RB
	632668(3490.02 MHz) 634000(3510.00 MHz)	80 MHz	QPSK	Full RB
	633000(3495.00 MHz) 633666(3504.99 MHz)	90 MHz	QPSK	Full RB
	633334(3500.01 MHz)	100 MHz	QPSK	Full RB

3.3.9 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) – SISO

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647500(3712.50 MHz) 656000(3840.00 MHz) 664500(3967.50 MHz)	25 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647668(3715.02 MHz) 656000(3840.00 MHz) 664332(3964.98 MHz)	30 MHz	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB

3.3.10 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) – MIMO

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647168(3707.52 MHz) 656000(3840.00 MHz) 664832(3972.48 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647334(3710.01 MHz) 656000(3840.00 MHz) 664666(3969.99 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647500(3712.50 MHz) 656000(3840.00 MHz) 664500(3967.50 MHz)	25 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647668(3715.02 MHz) 656000(3840.00 MHz) 664332(3964.98 MHz)	30 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648000(3720.00 MHz) 656000(3840.00 MHz) 664000(3960.00 MHz)	40 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648668(3730.02 MHz) 656000(3840.00 MHz) 663332(3949.98 MHz)	60 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649000(3735.00 MHz) 656000(3840.00 MHz) 663000(3945.00 MHz)	70 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649334(3740.01 MHz) 656000(3840.00 MHz) 662666(3939.99 MHz)	80 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649668(3745.02 MHz) 656000(3840.00 MHz) 662332(3934.98 MHz)	90 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	650000(3750.00 MHz) 656000(3840.00 MHz) 662000(3930.00 MHz)	100 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	656000(3840.00 MHz)	100 MHz	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	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647168(3707.52 MHz) 656000(3840.00 MHz) 664832(3972.48 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647334(3710.01 MHz) 656000(3840.00 MHz) 664666(3969.99 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647500(3712.50 MHz) 656000(3840.00 MHz) 664500(3967.50 MHz)	25 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647668(3715.02 MHz) 656000(3840.00 MHz) 664332(3964.98 MHz)	30 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648000(3720.00 MHz) 656000(3840.00 MHz) 664000(3960.00 MHz)	40 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648668(3730.02 MHz) 656000(3840.00 MHz) 663332(3949.98 MHz)	60 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649000(3735.00 MHz) 656000(3840.00 MHz) 663000(3945.00 MHz)	70 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649334(3740.01 MHz) 656000(3840.00 MHz) 662666(3939.99 MHz)	80 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649668(3745.02 MHz) 656000(3840.00 MHz) 662332(3934.98 MHz)	90 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	650000(3750.00 MHz) 656000(3840.00 MHz) 662000(3930.00 MHz)	100 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647168(3707.52 MHz) 656000(3840.00 MHz) 664832(3972.48 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647334(3710.01 MHz) 656000(3840.00 MHz) 664666(3969.99 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647500(3712.50 MHz) 656000(3840.00 MHz) 664500(3967.50 MHz)	25 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647668(3715.02 MHz) 656000(3840.00 MHz) 664332(3964.98 MHz)	30 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648000(3720.00 MHz) 656000(3840.00 MHz) 664000(3960.00 MHz)	40 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648668(3730.02 MHz) 656000(3840.00 MHz) 663332(3949.98 MHz)	60 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649000(3735.00 MHz) 656000(3840.00 MHz) 663000(3945.00 MHz)	70 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649334(3740.01 MHz) 656000(3840.00 MHz) 662666(3939.99 MHz)	80 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649668(3745.02 MHz) 656000(3840.00 MHz) 662332(3934.98 MHz)	90 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	650000(3750.00 MHz) 656000(3840.00 MHz) 662000(3930.00 MHz)	100 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	QPSK	1 RB Full RB
	647168(3707.52 MHz) 656000(3840.00 MHz) 664832(3972.48 MHz)	15 MHz	QPSK	1 RB Full RB
	647334(3710.01 MHz) 656000(3840.00 MHz) 664666(3969.99 MHz)	20 MHz	QPSK	1 RB Full RB
	647500(3712.50 MHz) 656000(3840.00 MHz) 664500(3967.50 MHz)	25 MHz	QPSK	1 RB Full RB
	647668(3715.02 MHz) 656000(3840.00 MHz) 664332(3964.98 MHz)	30 MHz	QPSK	1 RB Full RB
	648000(3720.00 MHz) 656000(3840.00 MHz) 664000(3960.00 MHz)	40 MHz	QPSK	1 RB Full RB
	648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	QPSK	1 RB Full RB
	648668(3730.02 MHz) 656000(3840.00 MHz) 663332(3949.98 MHz)	60 MHz	QPSK	1 RB Full RB
	649000(3735.00 MHz) 656000(3840.00 MHz) 663000(3945.00 MHz)	70 MHz	QPSK	1 RB Full RB
	649334(3740.01 MHz) 656000(3840.00 MHz) 662666(3939.99 MHz)	80 MHz	QPSK	1 RB Full RB
	649668(3745.02 MHz) 656000(3840.00 MHz) 662332(3934.98 MHz)	90 MHz	QPSK	1 RB Full RB
	650000(3750.00 MHz) 656000(3840.00 MHz) 662000(3930.00 MHz)	100 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	665000(3975.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	QPSK	1 RB
	648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	QPSK	1 RB
	650000(3750.00 MHz) 656000(3840.00 MHz) 662000(3930.00 MHz)	100 MHz	QPSK	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	647000(3705.00 MHz) 665000(3975.00 MHz)	10 MHz	QPSK	Full RB
	647168(3707.52 MHz) 664832(3972.48 MHz)	15 MHz	QPSK	Full RB
	647334(3710.01 MHz) 664666(3969.99 MHz)	20 MHz	QPSK	Full RB
	647500(3712.50 MHz) 664500(3967.50 MHz)	25 MHz	QPSK	Full RB
	647668(3715.02 MHz) 664332(3964.98 MHz)	30 MHz	QPSK	Full RB
	648000(3720.00 MHz) 664000(3960.00 MHz)	40 MHz	QPSK	Full RB
	648334(3725.01 MHz) 663666(3954.99 MHz)	50 MHz	QPSK	Full RB
	648668(3730.02 MHz) 663332(3949.98 MHz)	60 MHz	QPSK	Full RB
	649000(3735.00 MHz) 663000(3945.00 MHz)	70 MHz	QPSK	Full RB
	649334(3740.01 MHz) 662666(3939.99 MHz)	80 MHz	QPSK	Full RB
	649668(3745.02 MHz) 662332(3934.98 MHz)	90 MHz	QPSK	Full RB
	650000(3750.00 MHz) 662000(3930.00 MHz)	100 MHz	QPSK	Full RB

3.3.11 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – SISO

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630834(3462.51 MHz) 633334(3500.01 MHz) 635832(3537.48 MHz)	25 MHz	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 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	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633334(3500.01 MHz)	100 MHz	π/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB

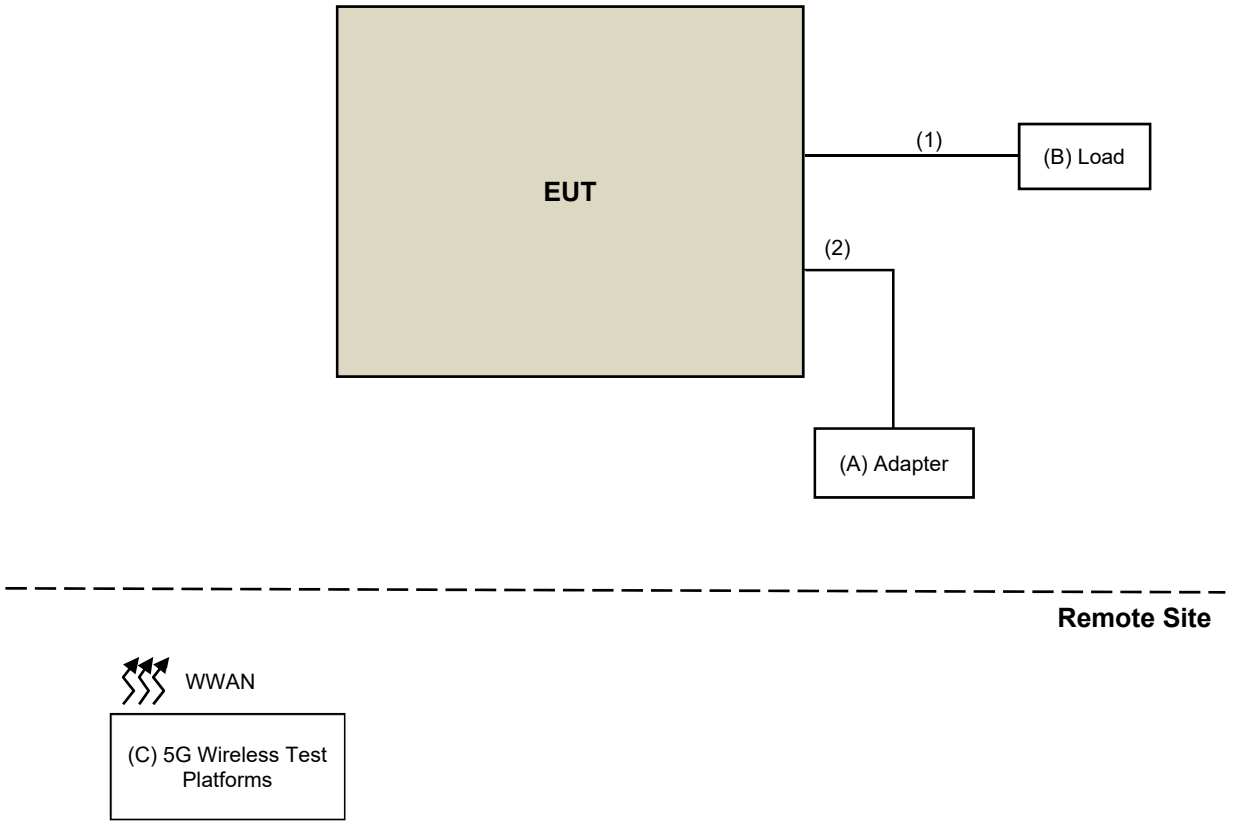
3.3.12 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630500(3457.50 MHz) 633334(3500.01 MHz) 636166(3542.49 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630668(3460.02 MHz) 633334(3500.01 MHz) 636000(3540.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630834(3462.51 MHz) 633334(3500.01 MHz) 635832(3537.48 MHz)	25 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631000(3465.00 MHz) 633334(3500.01 MHz) 635666(3534.99 MHz)	30 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631334(3470.01 MHz) 633334(3500.01 MHz) 635332(3529.98 MHz)	40 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632000(3480.00 MHz) 633334(3500.01 MHz) 634666(3519.99 MHz)	60 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632334(3485.01 MHz) 633334(3500.01 MHz) 634332(3514.98 MHz)	70 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632668(3490.02 MHz) 633334(3500.01 MHz) 634000(3510.00 MHz)	80 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633000(3495.00 MHz) 633334(3500.01 MHz) 633666(3504.99 MHz)	90 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633334(3500.01 MHz)	100 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full 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.	Adapter	NETGEAR	2AFH0183AA	NA	NA	Accessory of EUT
B.	Load	NA	NA	NA	NA	Provided by Lab
C.	5G Wireless Test Platforms	Keysight	E7515B	MY60102114	N/A	Provided by Lab

No.	Cable Descriptions	Qty.	Length (m)	Shielded (Yes/ No)	Cores (Qty.)	Remark
1.	RJ45 Cable	1	1.5	No	0	Provided by Lab
2.	USB Cable	1	1	Yes	0	Accessory of EUT

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

For NR n30 SCS 15 kHz:

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2023/11/12	2024/11/11
	BBHA 9170	9170-480	2023/11/12	2024/11/11
		BBHA9170243	2023/11/12	2024/11/11
MXE EMI Receiver Keysight	N9038B	MY60180018	2024/3/13	2025/3/12
Preamplifier Agilent	8449B	3008A02367	2024/1/6	2025/1/5
Preamplifier EMCI	EMC 184045	980116	2023/9/27	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
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2024/1/6	2025/1/5
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2024/1/6	2025/1/5
Signal & Spectrum Analyzer R&S	FSW43	101867	2023/12/29	2024/12/28
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2024/6/6

For all bands except NR n30 SCS 15 kHz:

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030B	MY57140938	2024/3/20	2025/3/19
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2023/5/25	2024/5/24

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/3/22 ~ 2024/5/23

4.2 Modulation Characteristics

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030B	MY57140938	2024/3/20	2025/3/19
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2023/5/25	2024/5/24

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/3/22 ~ 2024/5/21

4.3 Peak to Average Ratio

Refer to section 4.2 to get information of the instruments.

4.4 Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030B	MY57140938	2024/3/20	2025/3/19
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY59321376	2024/3/18	2025/3/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/4/9 ~ 2024/5/22

4.5 Conducted Spurious Emissions

Refer to section 4.2 to get information of the instruments.

4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-155	2023/10/13	2024/10/12
EMI Test Receiver R&S	ESR3	102782	2023/12/7	2024/12/6
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
Preamplifier Agilent	8447D	2944A10631	2023/5/7 2024/5/1	2024/5/6 2025/4/30
Preamplifier EMCI	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-CH4-01	2023/7/8	2024/7/7
Signal & Spectrum Analyzer R&S	FSW43	101582	2023/4/13 2024/4/12	2024/4/12 2025/4/11
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/3/27 ~ 2024/5/8

4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2023/12/7	2024/12/6
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-408	2023/11/12	2024/11/11
	BBHA 9170	9170-480	2023/11/12	2024/11/11
		BBHA9170241	2023/10/16	2024/10/15
		BBHA9170243	2023/11/12	2024/11/11
Preamplifier EMCI	EMC 184045	980116	2023/9/27	2024/9/26
Preamplifier Keysight	83017A	MY53270295	2023/5/7 2024/5/1	2024/5/6 2025/4/30
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
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2023/5/7 2024/5/1	2024/5/6 2025/4/30
	Sucoflex 104	MY 13380+295012/04	2023/5/7 2024/5/1	2024/5/6 2025/4/30
Signal & Spectrum Analyzer R&S	FSW43	101582	2023/4/13 2024/4/12	2024/4/12 2025/4/11
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/3/26 ~ 2024/5/7

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	87III	70360742	2023/7/6	2024/7/5
PXA Signal Analyzer Keysight	N9030B	MY57140938	2024/3/20	2025/3/19
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	HRM-120RF	931022	2023/12/19	2024/12/18

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/6/4

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For NR n5 SCS 15 kHz:

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

For NR n2 SCS 15 kHz:

Mobile and portable stations are limited to 2 watts EIRP.

For NR n14 SCS 15 kHz:

Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

For NR n12 SCS 15 kHz:

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 n66 SCS 15 kHz:

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 n30 SCS 15 kHz:

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO:

Mobile and portable stations are limited to 1 Watt EIRP.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO:

Mobile devices are limited to 1Watt (30 dBm) 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 SCS 15 kHz, NR n5 SCS 15 kHz:

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 n14 SCS 15 kHz:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the 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, in accordance with the following:

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(2) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For NR n12 SCS 15 kHz:

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 n66 SCS 15 kHz:

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 n30 SCS 15 kHz:

According to FCC 47 CFR part 27.53(a)(4), for mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 MHz and 2320 MHz and on all frequencies between 2345 MHz and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 MHz and 2324 MHz and on all frequencies between 2341 MHz and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 MHz and 2328 MHz and on all frequencies between 2337 MHz and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 MHz and 2337 MHz;

(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 MHz and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 MHz and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 MHz and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 MHz and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;

(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 MHz and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

(iv) Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305 MHz, 2310 MHz, 2315 MHz, 2320 MHz, 2345 MHz, 2350 MHz, 2355 MHz, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO:

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.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO:

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.

Note: The device has MIMO function, so the limit of conducted spurious emissions need to be reduced by $10\log(Numbers_{ANT})$ according to FCC KDB 662911 D01 guidance.

5.6 Radiated Spurious Emissions below 1GHz

For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz:

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 n14 SCS 15 kHz:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 Log (P) dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For NR n12 SCS 15 kHz:

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 n66 SCS 15 kHz:

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 n30 SCS 15 kHz:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 70 +10 log (P) dB. The limit of emission is equal to -40 dBm.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO:

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.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO:

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.

5.7 Radiated Spurious Emissions above 1GHz

For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz:

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 n14 SCS 15 kHz:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 Log (P) dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For NR n12 SCS 15 kHz:

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 n66 SCS 15 kHz:

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 n30 SCS 15 kHz:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 70 +10 log (P) dB. The limit of emission is equal to -40 dBm.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO:

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.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO:

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.

5.8 Frequency Stability

For NR n5 SCS 15 kHz:

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

For NR n30 SCS 15 kHz, NR n2 SCS 15 kHz, NR n12 SCS 15 kHz, NR n66 SCS 15 kHz, NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO:

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

For NR n14 SCS 15 kHz:

The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station, and 5 parts per million or better when AFC is not locked.

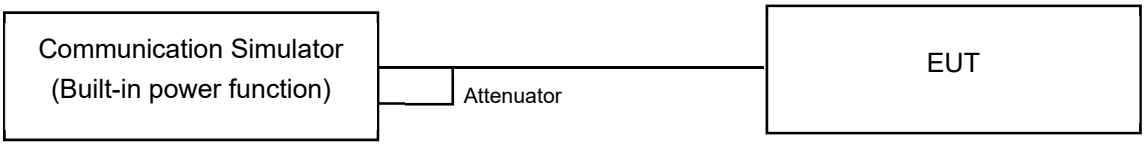
6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Other 5G NR bands:

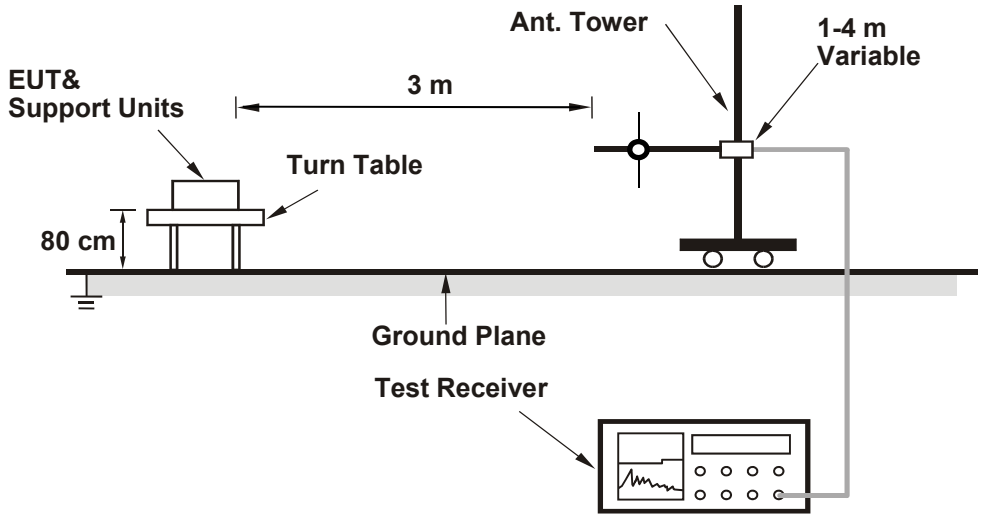
Conducted Power Measurement:



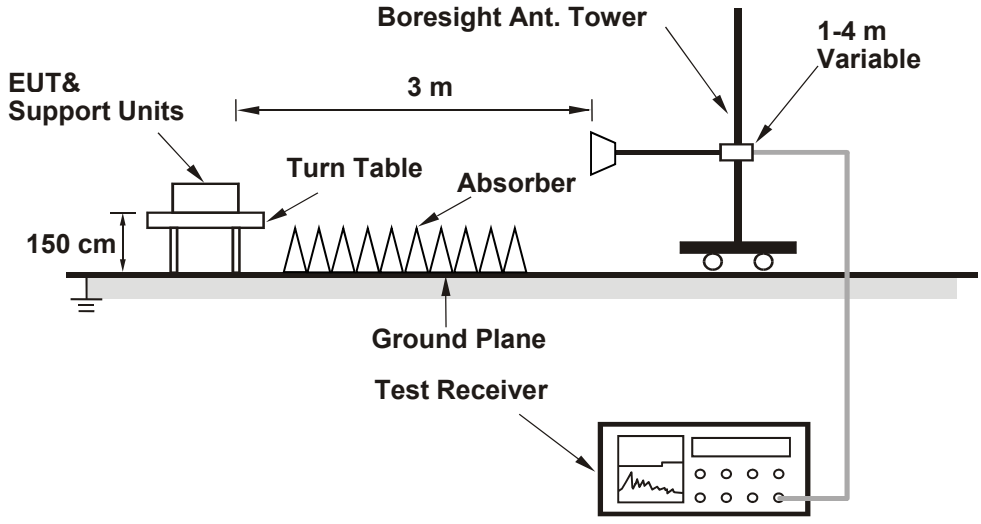
Only 5G NR n30:

Radiated Power EIRP / ERP Measurement:

For Radiated Emission below or equal 1 GHz



For Radiated Emission above 1 GHz



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

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 average (rms) 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.
The EUT is configured by emulator to set data modulation and maximum power using WWAN technology and link to spectrum analyzer measurements. Set the EUT to transmit under low, middle and high channel and record the power level shown on spectrum analyzer. Power measurements use detector average (rms).

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)

Radiated Power EIRP / ERP Measurement:

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

Set the EUT to transmit under low, middle and high channel and record the power level shown on spectrum analyzer.

a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

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

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

d. Following C63.26 section 5.5 and 5.2.7. Set the detector to power averaging (rms) detector.

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

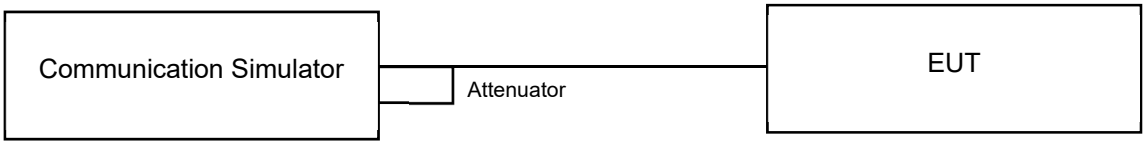
Spectrum analyzer setting as below:

Measurement method refers to ANSI C63.26 section 5.2.4.4.

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

6.2 Modulation Characteristics

6.2.1 Test Setup

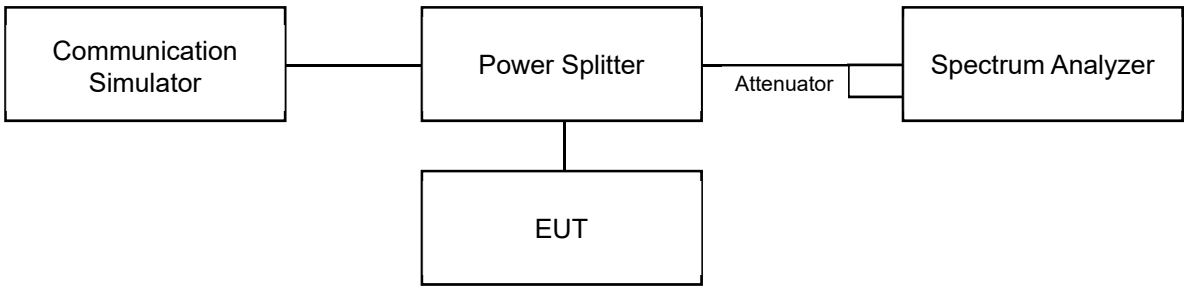


6.2.2 Test Procedure

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

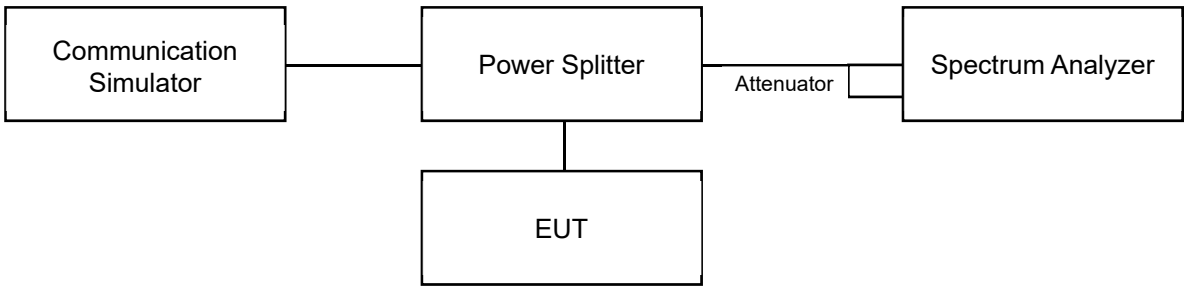


6.3.2 Test Procedure

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.

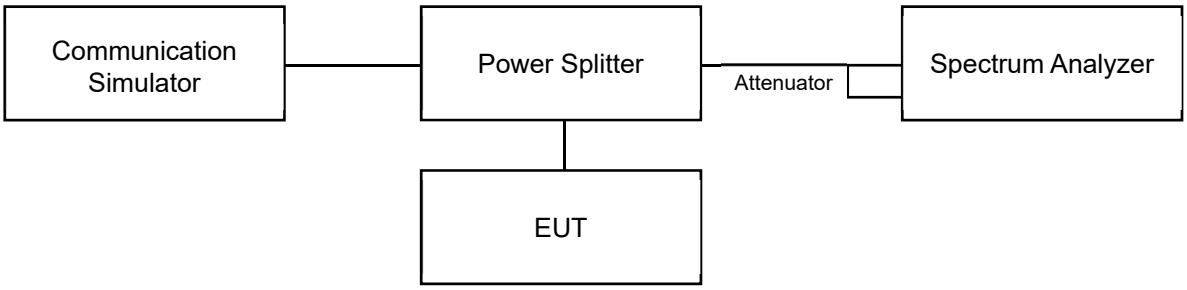
a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and 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



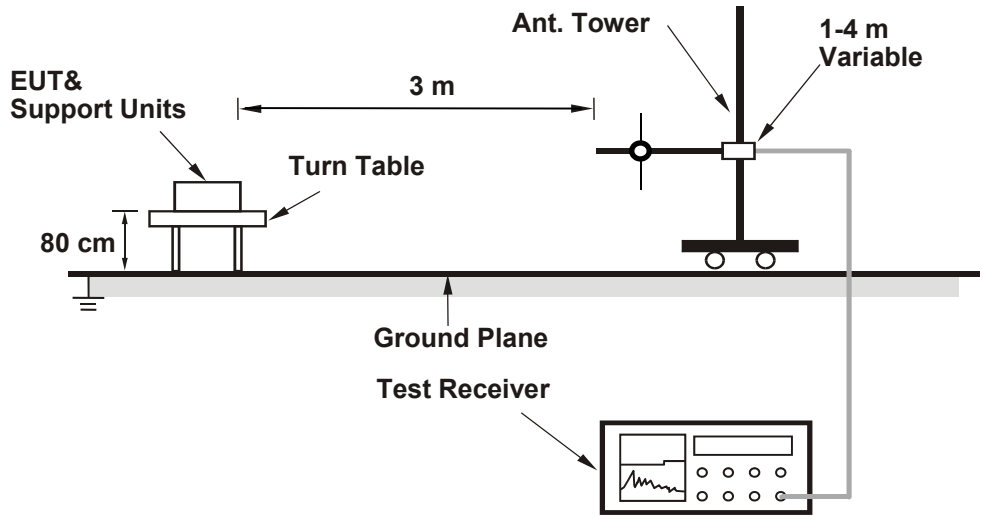
6.5.2 Test Procedure

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.
g. For the emissions measurement method, certain channel BW modes demonstrate compliance by integrating with the smaller RBW allowed by the rule.
h. 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 = 100 kHz] + 10* log(1000/100). To compensate for this integration before comparison to the limit, the limit line was reduced by 10 dB accordingly.
i. The device has MIMO mode, therefore the conducted spurious emission limits require that when measured in accordance with FCC KDB 662911 D01 guidance, 10 log(N_{ANT}) dB is added to each spectrum value before comparison to the emission. Therefore, the 10log($Numbers_{ANT}$) value 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.

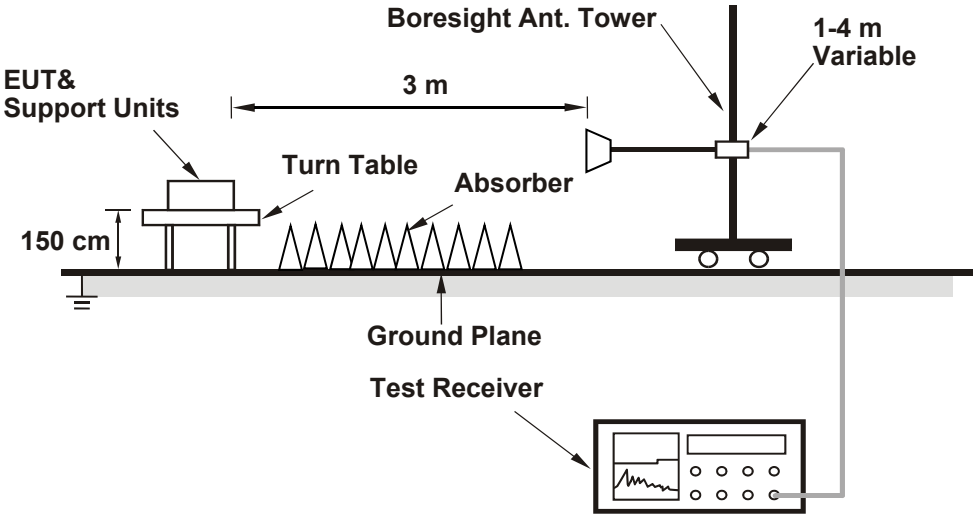
Note:

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

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.

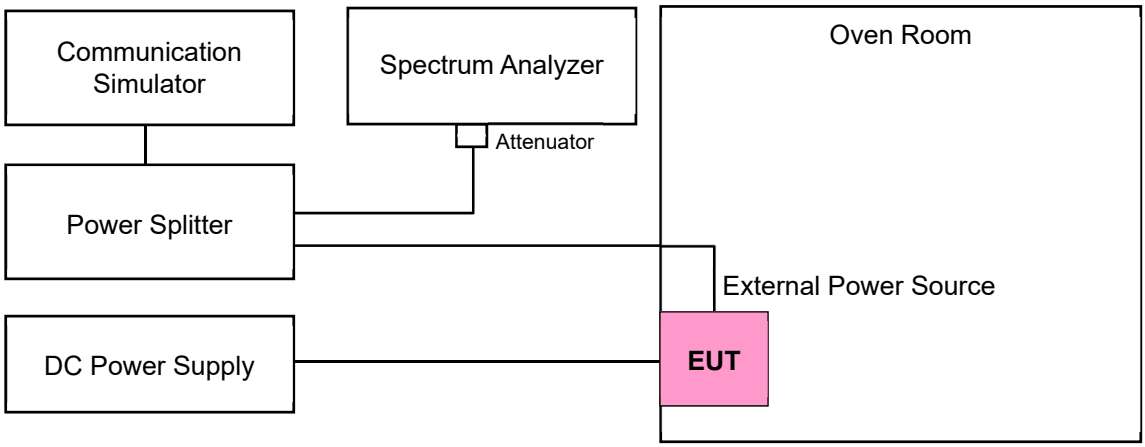
f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

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

Environmental Conditions:	25°C, 60% RH	Tested By:	Adair Peng

7.1.1 NR n30 SCS 15 kHz

NR n30 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Channel Frequency (MHz)	Field Strength (dBµV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)
π/2 BPSK	461500	2307.5	119.04	-95.26	238.781	23.78	24
	462000	2310	118.92	-95.26	232.274	23.66	24
	462500	2312.5	118.99	-95.26	236.048	23.73	24
QPSK	461500	2307.5	118.12	-95.26	193.197	22.86	24
	462000	2310	117.96	-95.26	186.209	22.7	24
	462500	2312.5	118.12	-95.26	193.197	22.86	24
16QAM	461500	2307.5	117.13	-95.26	153.815	21.87	24
	462000	2310	116.95	-95.26	147.571	21.69	24
	462500	2312.5	117.11	-95.26	153.109	21.85	24
64QAM	461500	2307.5	116.12	-95.26	121.899	20.86	24
	462000	2310	115.95	-95.26	117.22	20.69	24
	462500	2312.5	116.11	-95.26	121.619	20.85	24
256QAM	461500	2307.5	115.13	-95.26	97.051	19.87	24
	462000	2310	115.05	-95.26	95.28	19.79	24
	462500	2312.5	115.03	-95.26	94.842	19.77	24

Notes:

1. EIRP (dBm) = Field Strength (dBµV/m) + Correction Factor (dB)
2. Correction Factor (dB) = 20log(D) – 104.8; where D is the measurement distance at 3 meters.

NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Channel Frequency (MHz)	Field Strength (dBµV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)
π/2 BPSK	462000	2310	118.89	-95.26	230.675	23.63	24
QPSK	462000	2310	117.81	-95.26	179.887	22.55	24
16QAM	462000	2310	116.81	-95.26	142.889	21.55	24
64QAM	462000	2310	115.79	-95.26	112.98	20.53	24
256QAM	462000	2310	114.83	-95.26	90.573	19.57	24

Notes:

1. EIRP (dBm) = Field Strength (dBµV/m) + Correction Factor (dB)
2. Correction Factor (dB) = 20log(D) – 104.8; where D is the measurement distance at 3 meters.

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	23°C, 71% RH	Tested By:	Willy Cheng

7.1.2 NR n2 SCS 15 kHz

NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 370500	CH 376000	CH 381500
			1852.5 MHz	1880 MHz	1907.5 MHz
DFT-S P1/2 BPSK	1	1	22.92	22.83	22.98
DFT-S QPSK	1	1	23.07	22.94	22.93
	1	13	22.86	22.62	22.72
	1	23	22.8	22.82	22.77
	12	0	22.04	21.92	21.9
	12	7	22.86	22.68	22.75
	12	13	21.88	21.79	21.85
	25	0	21.92	21.84	21.87
DFT-S 16QAM	1	1	21.61	21.55	21.56
DFT-S 64QAM	1	1	19.92	19.7	19.85
DFT-S 256QAM	1	1	17.97	17.79	17.94
CP QPSK	1	1	20.85	20.82	20.82

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.98	26.23	33.00
QPSK	23.07	26.32	33.00
16QAM	21.61	24.86	33.00
64QAM	19.92	23.17	33.00
256QAM	17.97	21.22	33.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 371000	CH 376000	CH 381000
			1855 MHz	1880 MHz	1905 MHz
DFT-S P1/2 BPSK	1	1	22.98	22.81	22.96
DFT-S QPSK	1	1	23.14	22.92	23.02
	1	26	22.77	22.66	22.73
	1	50	22.74	22.82	22.75
	25	0	22.02	21.86	21.95
	25	14	22.92	22.71	22.74
	25	27	21.83	21.77	21.84
	50	0	21.83	21.76	21.85
DFT-S 16QAM	1	1	21.7	21.47	21.59
DFT-S 64QAM	1	1	19.87	19.75	19.84
DFT-S 256QAM	1	1	17.97	17.84	17.87
CP QPSK	1	1	20.9	20.85	20.86

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.98	26.23	33.00
QPSK	23.14	26.39	33.00
16QAM	21.7	24.95	33.00
64QAM	19.87	23.12	33.00
256QAM	17.97	21.22	33.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 371500	CH 376000	CH 380500
			1857.5 MHz	1880 MHz	1902.5 MHz
DFT-S P1/2 BPSK	1	1	23.01	22.83	22.93
DFT-S QPSK	1	1	23.11	22.93	23.01
	1	40	22.81	22.67	22.75
	1	77	22.75	22.79	22.84
	36	0	22.05	21.87	21.96
	36	22	22.89	22.73	22.76
	36	43	21.81	21.69	21.76
	75	0	21.9	21.78	21.88
DFT-S 16QAM	1	1	21.64	21.47	21.61
DFT-S 64QAM	1	1	19.84	19.76	19.75
DFT-S 256QAM	1	1	17.97	17.79	17.9
CP QPSK	1	1	20.88	20.84	20.83

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.01	26.26	33.00
QPSK	23.11	26.36	33.00
16QAM	21.64	24.89	33.00
64QAM	19.84	23.09	33.00
256QAM	17.97	21.22	33.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 372000	CH 376000	CH 380000
			1860 MHz	1880 MHz	1900 MHz
DFT-S P1/2 BPSK	1	1	23.01	22.91	23
DFT-S QPSK	1	1	23.14	22.96	23.02
	1	53	22.86	22.7	22.78
	1	104	22.84	22.82	22.84
	50	0	22.05	21.94	21.98
	50	28	22.92	22.75	22.84
	50	56	21.89	21.79	21.85
	100	0	21.93	21.84	21.92
DFT-S 16QAM	1	1	21.71	21.55	21.61
DFT-S 64QAM	1	1	19.94	19.78	19.85
DFT-S 256QAM	1	1	18.03	17.85	17.94
CP QPSK	1	1	20.93	20.89	20.89

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.01	26.26	33.00
QPSK	23.14	26.39	33.00
16QAM	21.71	24.96	33.00
64QAM	19.94	23.19	33.00
256QAM	18.03	21.28	33.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.3 NR n5 SCS 15 kHz

NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 165300	CH 167300	CH 169300
			826.5 MHz	836.5 MHz	846.5 MHz
DFT-S P1/2 BPSK	1	1	23.77	23.67	23.86
DFT-S QPSK	1	1	23.8	23.75	23.91
	1	13	23.68	23.73	23.77
	1	23	23.88	23.79	23.81
	12	0	22.76	22.69	22.82
	12	7	23.83	23.77	23.85
	12	13	22.91	22.85	22.87
	25	0	22.91	22.85	22.93
DFT-S 16QAM	1	1	22.35	22.26	22.4
DFT-S 64QAM	1	1	21.1	21.12	21.2
DFT-S 256QAM	1	1	18.99	18.95	19.06
CP QPSK	1	1	22.26	22.21	22.27

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.86	21.13	38.50
QPSK	23.91	21.18	38.50
16QAM	22.4	19.67	38.50
64QAM	21.2	18.47	38.50
256QAM	19.06	16.33	38.50

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 165800	CH 167300	CH 168800
			829 MHz	836.5 MHz	844 MHz
DFT-S P1/2 BPSK	1	1	23.81	23.63	23.91
DFT-S QPSK	1	1	23.8	23.74	23.87
	1	26	23.68	23.71	23.83
	1	50	23.86	23.75	23.85
	25	0	22.66	22.71	22.79
	25	14	23.88	23.83	23.92
	25	27	22.86	22.86	22.86
	50	0	22.91	22.79	22.89
DFT-S 16QAM	1	1	22.33	22.3	22.41
DFT-S 64QAM	1	1	21.12	21.07	21.2
DFT-S 256QAM	1	1	18.99	18.93	19.08
CP QPSK	1	1	22.26	22.22	22.26

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.91	21.18	38.50
QPSK	23.92	21.19	38.50
16QAM	22.41	19.68	38.50
64QAM	21.2	18.47	38.50
256QAM	19.08	16.35	38.50

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 166300	CH 167300	CH 168300
			831.5 MHz	836.5 MHz	841.5 MHz
DFT-S P1/2 BPSK	1	1	23.75	23.69	23.91
DFT-S QPSK	1	1	23.83	23.69	23.87
	1	40	23.68	23.64	23.77
	1	77	23.84	23.78	23.87
	36	0	22.69	22.67	22.78
	36	22	23.89	23.76	23.83
	36	43	22.9	22.81	22.93
	75	0	22.92	22.79	22.96
DFT-S 16QAM	1	1	22.31	22.28	22.31
DFT-S 64QAM	1	1	21.15	21.15	21.19
DFT-S 256QAM	1	1	19.05	19.03	19.08
CP QPSK	1	1	22.24	22.12	22.27

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.91	21.18	38.50
QPSK	23.89	21.16	38.50
16QAM	22.31	19.58	38.50
64QAM	21.19	18.46	38.50
256QAM	19.08	16.35	38.50

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 166800	CH 167300	CH 167800
			834 MHz	836.5 MHz	839 MHz
DFT-S P1/2 BPSK	1	1	23.85	23.72	23.91
DFT-S QPSK	1	1	23.9	23.8	23.95
	1	53	23.78	23.74	23.85
	1	104	23.86	23.75	23.91
	50	0	22.76	22.72	22.86
	50	28	23.89	23.84	23.93
	50	56	22.92	22.9	22.95
	100	0	22.92	22.86	22.97
DFT-S 16QAM	1	1	22.41	22.36	22.41
DFT-S 64QAM	1	1	21.2	21.17	21.21
DFT-S 256QAM	1	1	19.09	19.03	19.12
CP QPSK	1	1	22.29	22.22	22.35

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.91	21.18	38.50
QPSK	23.95	21.22	38.50
16QAM	22.41	19.68	38.50
64QAM	21.21	18.48	38.50
256QAM	19.12	16.39	38.50

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

7.1.4 NR n12 SCS 15 kHz

NR n12 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 140300	CH 141500	CH 142700
			701.5 MHz	707.5 MHz	713.5
DFT-S P1/2 BPSK	1	1	23.47	23.54	23.47
DFT-S QPSK	1	1	23.46	23.56	23.43
	1	13	23.22	23.25	23.18
	1	23	23.13	23.26	23.19
	12	0	22.33	22.35	22.27
	12	7	23.27	23.31	23.26
	12	13	22.11	22.14	22.12
	25	0	22.13	22.26	22.07
DFT-S 16QAM	1	1	22.74	22.66	22.64
DFT-S 64QAM	1	1	21.28	21.37	21.23
DFT-S 256QAM	1	1	18.57	18.54	18.58
CP QPSK	1	1	21.26	21.39	21.31

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.54	21.86	34.77
QPSK	23.56	21.88	34.77
16QAM	22.74	21.06	34.77
64QAM	21.37	19.69	34.77
256QAM	18.58	16.9	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

NR n12 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 140800	CH 141500	CH 142200
			704 MHz	707.5 MHz	711 MHz
DFT-S P1/2 BPSK	1	1	23.55	23.56	23.55
DFT-S QPSK	1	1	23.52	23.57	23.41
	1	26	23.31	23.28	23.16
	1	50	23.16	23.19	23.21
	25	0	22.29	22.35	22.29
	25	14	23.21	23.29	23.25
	25	27	22.08	22.06	22.09
	50	0	22.21	22.28	22.1
DFT-S 16QAM	1	1	22.74	22.72	22.63
DFT-S 64QAM	1	1	21.33	21.38	21.21
DFT-S 256QAM	1	1	18.58	18.6	18.58
CP QPSK	1	1	21.32	21.32	21.35

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.56	21.88	34.77
QPSK	23.57	21.89	34.77
16QAM	22.74	21.06	34.77
64QAM	21.38	19.7	34.77
256QAM	18.6	16.92	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

NR n12 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 141300	CH 141500	CH 141700
			706.5 MHz	707.5 MHz	708.5 MHz
DFT-S P1/2 BPSK	1	1	23.55	23.58	23.56
DFT-S QPSK	1	1	23.52	23.62	23.43
	1	40	23.31	23.32	23.26
	1	77	23.23	23.26	23.22
	36	0	22.34	22.44	22.29
	36	22	23.31	23.32	23.3
	36	43	22.14	22.15	22.13
	75	0	22.22	22.3	22.12
DFT-S 16QAM	1	1	22.74	22.76	22.73
DFT-S 64QAM	1	1	21.38	21.45	21.29
DFT-S 256QAM	1	1	18.63	18.63	18.62
CP QPSK	1	1	21.36	21.42	21.35

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.58	21.9	34.77
QPSK	23.62	21.94	34.77
16QAM	22.76	21.08	34.77
64QAM	21.45	19.77	34.77
256QAM	18.63	16.95	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

7.1.5 NR n14 SCS 15 kHz

NR n14 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 158100	CH 158600	CH 159100
			790.5 MHz	793 MHz	795.5 MHz
DFT-S P1/2 BPSK	1	1	23.46	23.47	23.44
DFT-S QPSK	1	1	23.53	23.48	23.48
	1	13	23.39	23.38	23.38
	1	23	23.36	23.38	23.36
	12	0	22.4	22.41	22.4
	12	7	23.31	23.27	23.3
	12	13	22.35	22.35	22.33
	25	0	22.31	22.36	22.37
DFT-S 16QAM	1	1	21.43	21.42	21.47
DFT-S 64QAM	1	1	20.85	20.83	20.86
DFT-S 256QAM	1	1	18.78	18.81	18.84
CP QPSK	1	1	21.33	21.35	21.36

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.47	22.2	34.77
QPSK	23.53	22.26	34.77
16QAM	21.47	20.2	34.77
64QAM	20.86	19.59	34.77
256QAM	18.84	17.57	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

NR n14 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 158600
			793 MHz
DFT-S P1/2 BPSK	1	1	23.51
DFT-S QPSK	1	1	23.54
	1	26	23.41
	1	50	23.4
	25	0	22.45
	25	14	23.32
	25	27	22.35
	50	0	22.38
DFT-S 16QAM	1	1	21.48
DFT-S 64QAM	1	1	20.91
DFT-S 256QAM	1	1	18.85
CP QPSK	1	1	21.38

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
BPSK	23.51	22.24	34.77
QPSK	23.54	22.27	34.77
16QAM	21.48	20.21	34.77
64QAM	20.91	19.64	34.77
256QAM	18.85	17.58	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

7.1.6 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 342500	CH 349000	CH 355500
			1712.5 MHz	1745 MHz	1777.5Hz
DFT-S P1/2 BPSK	1	1	23.56	23.65	23.5
DFT-S QPSK	1	1	23.65	23.79	23.64
	1	13	23.63	23.77	23.67
	1	23	23.61	23.72	23.58
	12	0	22.51	22.66	22.58
	12	7	23.53	23.62	23.59
	12	13	22.51	22.58	22.57
	25	0	22.54	22.64	22.55
DFT-S 16QAM	1	1	22.55	22.61	22.43
DFT-S 64QAM	1	1	21.21	21.28	21.24
DFT-S 256QAM	1	1	19.11	19.36	19.29
CP QPSK	1	1	22.12	22.22	22.16

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.65	26.74	30.00
QPSK	23.79	26.88	30.00
16QAM	22.61	25.7	30.00
64QAM	21.28	24.37	30.00
256QAM	19.36	22.45	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 343000	CH 349000	CH 355000
			1717 MHz	1745 MHz	1775Hz
DFT-S P1/2 BPSK	1	1	23.53	23.68	23.51
DFT-S QPSK	1	1	23.64	23.74	23.68
	1	26	23.72	23.76	23.63
	1	50	23.64	23.72	23.61
	25	0	22.51	22.6	22.52
	25	14	23.61	23.71	23.56
	25	27	22.47	22.63	22.58
	50	0	22.5	22.62	22.55
DFT-S 16QAM	1	1	22.49	22.61	22.47
DFT-S 64QAM	1	1	21.21	21.31	21.23
DFT-S 256QAM	1	1	19.12	19.36	19.24
CP QPSK	1	1	22.15	22.29	22.18

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.68	26.77	30.00
QPSK	23.76	26.85	30.00
16QAM	22.61	25.7	30.00
64QAM	21.31	24.4	30.00
256QAM	19.36	22.45	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 343500	CH 349000	CH 354500
			1717.5 MHz	1745 MHz	1772.5 MHz
DFT-S P1/2 BPSK	1	1	23.56	23.63	23.49
DFT-S QPSK	1	1	23.58	23.71	23.72
	1	40	23.66	23.74	23.67
	1	77	23.62	23.64	23.56
	36	0	22.49	22.62	22.58
	36	22	23.61	23.7	23.54
	36	43	22.51	22.64	22.6
	75	0	22.48	22.68	22.54
DFT-S 16QAM	1	1	22.46	22.63	22.49
DFT-S 64QAM	1	1	21.19	21.29	21.27
DFT-S 256QAM	1	1	19.18	19.28	19.32
CP QPSK	1	1	22.16	22.3	22.18

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.63	26.72	30.00
QPSK	23.74	26.83	30.00
16QAM	22.63	25.72	30.00
64QAM	21.29	24.38	30.00
256QAM	19.32	22.41	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 344000	CH 349000	CH 354000
			1720 MHz	1745 MHz	1770 MHz
DFT-S P1/2 BPSK	1	1	23.55	23.68	23.56
DFT-S QPSK	1	1	23.59	23.76	23.66
	1	53	23.64	23.7	23.72
	1	104	23.57	23.74	23.57
	50	0	22.44	22.56	22.57
	50	28	23.58	23.63	23.58
	50	56	22.49	22.55	22.56
	100	0	22.51	22.61	22.55
DFT-S 16QAM	1	1	22.55	22.6	22.44
DFT-S 64QAM	1	1	21.26	21.31	21.18
DFT-S 256QAM	1	1	19.12	19.32	19.28
CP QPSK	1	1	22.13	22.27	22.17

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.68	26.77	30.00
QPSK	23.76	26.85	30.00
16QAM	22.6	25.69	30.00
64QAM	21.31	24.4	30.00
256QAM	19.32	22.41	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n66 SCS 15 kHz, Channel Bandwidth: 25 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 344500	CH 349000	CH 353500
			1722.5 MHz	1745 MHz	1767.5 MHz
DFT-S P1/2 BPSK	1	1	23.56	23.64	23.52
DFT-S QPSK	1	1	23.68	23.73	23.67
	1	67	23.68	23.77	23.69
	1	131	23.57	23.73	23.66
	64	0	22.45	22.64	22.56
	64	35	23.59	23.69	23.54
	64	69	22.45	22.6	22.51
	128	0	22.48	22.6	22.61
DFT-S 16QAM	1	1	22.47	22.62	22.5
DFT-S 64QAM	1	1	21.25	21.38	21.18
DFT-S 256QAM	1	1	19.13	19.3	19.29
CP QPSK	1	1	22.07	22.23	22.14

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.64	26.73	30.00
QPSK	23.77	26.86	30.00
16QAM	22.62	25.71	30.00
64QAM	21.38	24.47	30.00
256QAM	19.3	22.39	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n66 SCS 15 kHz, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 345000	CH 349000	CH 353000
			1725 MHz	1745 MHz	1765 MHz
DFT-S P1/2 BPSK	1	1	23.53	23.66	23.57
DFT-S QPSK	1	1	23.61	23.72	23.65
	1	80	23.62	23.78	23.73
	1	158	23.66	23.69	23.6
	80	0	22.47	22.56	22.53
	80	40	23.53	23.68	23.59
	80	80	22.45	22.64	22.53
	160	0	22.45	22.59	22.62
DFT-S 16QAM	1	1	22.54	22.56	22.52
DFT-S 64QAM	1	1	21.25	21.31	21.25
DFT-S 256QAM	1	1	19.2	19.28	19.26
CP QPSK	1	1	22.14	22.22	22.1

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.66	26.75	30.00
QPSK	23.78	26.87	30.00
16QAM	22.56	25.65	30.00
64QAM	21.31	24.4	30.00
256QAM	19.28	22.37	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 346000	CH 349000	CH 352000
			1730 MHz	1745 MHz	1760 MHz
DFT-S P1/2 BPSK	1	1	23.64	23.72	23.6
DFT-S QPSK	1	1	23.73	23.82	23.75
	1	108	23.69	23.79	23.74
	1	214	23.68	23.75	23.67
	108	0	22.54	22.67	22.61
	108	54	23.64	23.72	23.6
	108	108	22.53	22.66	22.61
	216	0	22.56	22.69	22.63
DFT-S 16QAM	1	1	22.56	22.64	22.53
DFT-S 64QAM	1	1	21.3	21.39	21.28
DFT-S 256QAM	1	1	19.22	19.37	19.34
CP QPSK	1	1	22.18	22.31	22.2

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.72	26.81	30.00
QPSK	23.82	26.91	30.00
16QAM	22.64	25.73	30.00
64QAM	21.39	24.48	30.00
256QAM	19.37	22.46	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.1 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – SISO (PC2)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 10 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
DFT-S P1/2 BPSK	1	1	25.38	25.52	25.15
DFT-S QPSK	1	1	25.56	25.72	25.36
	1	11	25.48	25.64	25.35
	1	22	25.43	25.65	25.3
	12	0	24.63	24.73	24.39
	12	6	25.43	25.56	25.37
	12	12	24.64	24.67	24.39
	24	0	24.53	24.61	24.34
DFT-S 16 QAM	1	1	24.57	24.64	24.32
DFT-S 64 QAM	1	1	23.27	23.35	23.04
DFT-S 256 QAM	1	1	21.19	21.25	20.99
CP QPSK	1	1	24.09	24.23	23.93

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.52**	28.74	30
QPSK	**25.72**	28.94	30
16 QAM	**24.64**	27.86	30
64 QAM	**23.35**	26.57	30
256 QAM	**21.25**	24.47	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 15 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
DFT-S P1/2 BPSK	1	1	25.34	25.52	25.18
DFT-S QPSK	1	1	25.56	25.62	25.35
	1	19	25.46	25.56	25.3
	1	36	25.49	25.67	25.31
	18	0	24.6	24.7	24.47
	18	10	25.48	25.63	25.3
	18	20	24.65	24.64	24.47
	36	0	24.59	24.62	24.4
DFT-S 16 QAM	1	1	24.56	24.61	24.29
DFT-S 64 QAM	1	1	23.26	23.4	23.11
DFT-S 256 QAM	1	1	21.14	21.33	21
CP QPSK	1	1	24.12	24.19	23.99

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.52**	28.74	30
QPSK	**25.67**	28.89	30
16 QAM	**24.61**	27.83	30
64 QAM	**23.4**	26.62	30
256 QAM	**21.33**	24.55	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 20 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
DFT-S P1/2 BPSK	1	1	25.31	25.51	25.17
DFT-S QPSK	1	1	25.6	25.65	25.41
	1	26	25.55	25.59	25.31
	1	49	25.53	25.62	25.33
	25	0	24.55	24.71	24.37
	25	13	25.53	25.57	25.31
	25	26	24.63	24.73	24.4
	50	0	24.53	24.67	24.3
DFT-S 16 QAM	1	1	24.52	24.61	24.32
DFT-S 64 QAM	1	1	23.22	23.35	23.11
DFT-S 256 QAM	1	1	21.22	21.33	20.99
CP QPSK	1	1	24.09	24.25	24

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.51**	28.73	30
QPSK	**25.65**	28.87	30
16 QAM	**24.61**	27.83	30
64 QAM	**23.35**	26.57	30
256 QAM	**21.33**	24.55	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 25 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630834	CH 633332	CH 635832
			3462.51 MHz	3500.01 MHz	3537.48 MHz
DFT-S P1/2 BPSK	1	1	25.11	25.22	25.08
DFT-S QPSK	1	1	25.31	25.45	25.13
	1	33	25.28	25.34	25.11
	1	63	25.2	25.37	25.05
	32	0	24.39	24.46	24.17
	32	17	25.26	25.34	25.06
	32	33	24.36	24.47	24.17
	64	0	24.35	24.4	24.16
DFT-S 16 QAM	1	1	24.33	24.38	24.05
DFT-S 64 QAM	1	1	23.03	23.2	22.87
DFT-S 256 QAM	1	1	20.93	21.01	20.7
CP QPSK	1	1	23.89	23.95	23.77

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.22**	28.44	30
QPSK	**25.45**	28.67	30
16 QAM	**24.38**	27.6	30
64 QAM	**23.2**	26.42	30
256 QAM	**21.01**	24.23	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 30 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
DFT-S P1/2 BPSK	1	1	25.05	25.17	25.03
DFT-S QPSK	1	1	25.31	25.41	25.14
	1	39	25.31	25.35	25.1
	1	76	25.21	25.34	25.11
	36	0	24.32	24.47	24.2
	36	21	25.24	25.33	25.13
	36	42	24.36	24.47	24.19
	75	0	24.3	24.37	24.07
DFT-S 16 QAM	1	1	24.25	24.34	24.04
DFT-S 64 QAM	1	1	22.96	23.16	22.81
DFT-S 256 QAM	1	1	20.88	21.02	20.69
CP QPSK	1	1	23.85	24	23.77

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.17**	28.39	30
QPSK	**25.41**	28.63	30
16 QAM	**24.34**	27.56	30
64 QAM	**23.16**	26.38	30
256 QAM	**21.02**	24.24	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 40 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
DFT-S P1/2 BPSK	1	1	25.11	25.2	25.07
DFT-S QPSK	1	1	25.32	25.44	25.12
	1	53	25.26	25.4	25.11
	1	104	25.26	25.35	25.05
	50	0	24.32	24.46	24.17
	50	28	25.22	25.37	25.06
	50	56	24.43	24.42	24.22
	100	0	24.39	24.41	24.17
DFT-S 16 QAM	1	1	24.26	24.42	24.07
DFT-S 64 QAM	1	1	23.03	23.11	22.86
DFT-S 256 QAM	1	1	20.97	21.05	20.75
CP QPSK	1	1	23.91	24.02	23.74

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.2**	28.42	30
QPSK	**25.44**	28.66	30
16 QAM	**24.42**	27.64	30
64 QAM	**23.11**	26.33	30
256 QAM	**21.05**	24.27	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 50 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
DFT-S P1/2 BPSK	1	1	25.12	25.26	25.09
DFT-S QPSK	1	1	25.31	25.46	25.15
	1	67	25.28	25.44	25.15
	1	131	25.23	25.43	25.09
	64	0	24.37	24.57	24.24
	64	35	25.23	25.38	25.09
	64	69	24.4	24.52	24.22
	128	0	24.41	24.46	24.1
DFT-S 16 QAM	1	1	24.34	24.4	24.05
DFT-S 64 QAM	1	1	23.11	23.18	22.9
DFT-S 256 QAM	1	1	21.01	21.06	20.81
CP QPSK	1	1	23.9	24.02	23.78

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.26**	28.48	30
QPSK	**25.46**	28.68	30
16 QAM	**24.4**	27.62	30
64 QAM	**23.18**	26.4	30
256 QAM	**21.06**	24.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 60 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
DFT-S P1/2 BPSK	1	1	25.18	25.22	25.06
DFT-S QPSK	1	1	25.3	25.47	25.2
	1	81	25.31	25.42	25.11
	1	160	25.32	25.46	25.1
	81	0	24.41	24.51	24.19
	81	41	25.23	25.35	25.15
	81	81	24.41	24.46	24.21
	162	0	24.41	24.44	24.15
DFT-S 16 QAM	1	1	24.37	24.45	24.06
DFT-S 64 QAM	1	1	23.1	23.18	22.87
DFT-S 256 QAM	1	1	20.97	21.12	20.76
CP QPSK	1	1	23.96	23.99	23.78

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.22**	28.44	30
QPSK	**25.47**	28.69	30
16 QAM	**24.45**	27.67	30
64 QAM	**23.18**	26.4	30
256 QAM	**21.12**	24.34	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 70 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
DFT-S P1/2 BPSK	1	1	25.16	25.34	25.07
DFT-S QPSK	1	1	25.47	25.56	25.25
	1	95	25.33	25.52	25.16
	1	187	25.33	25.53	25.14
	90	0	24.4	24.58	24.28
	90	50	25.37	25.46	25.2
	90	99	24.45	24.51	24.26
	180	0	24.46	24.49	24.19
DFT-S 16 QAM	1	1	24.42	24.52	24.18
DFT-S 64 QAM	1	1	23.15	23.26	22.93
DFT-S 256 QAM	1	1	21.09	21.16	20.89
CP QPSK	1	1	23.97	24.14	23.87

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.34**	28.56	30
QPSK	**25.56**	28.78	30
16 QAM	**24.52**	27.74	30
64 QAM	**23.26**	26.48	30
256 QAM	**21.16**	24.38	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 80 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
DFT-S P1/2 BPSK	1	1	25.32	25.43	25.08
DFT-S QPSK	1	1	25.48	25.62	25.39
	1	109	25.45	25.55	25.32
	1	215	25.46	25.63	25.26
	108	0	24.58	24.69	24.43
	108	55	25.45	25.55	25.26
	108	109	24.6	24.61	24.42
	216	0	24.5	24.59	24.28
DFT-S 16 QAM	1	1	24.48	24.56	24.28
DFT-S 64 QAM	1	1	23.22	23.34	23.02
DFT-S 256 QAM	1	1	21.1	21.28	20.9
CP QPSK	1	1	24.15	24.18	23.97

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.43**	28.65	30
QPSK	**25.63**	28.85	30
16 QAM	**24.56**	27.78	30
64 QAM	**23.34**	26.56	30
256 QAM	**21.28**	24.5	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 90 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
DFT-S P1/2 BPSK	1	1	25.39	25.52	25.19
DFT-S QPSK	1	1	25.6	25.72	25.45
	1	123	25.56	25.66	25.37
	1	243	25.53	25.68	25.36
	120	0	24.63	24.78	24.47
	120	63	25.53	25.64	25.38
	120	125	24.67	24.74	24.47
	243	0	24.63	24.7	24.4
DFT-S 16 QAM	1	1	24.59	24.66	24.35
DFT-S 64 QAM	1	1	23.31	23.44	23.12
DFT-S 256 QAM	1	1	21.22	21.33	21.03
CP QPSK	1	1	24.19	24.29	24.03

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.52**	28.74	30
QPSK	**25.72**	28.94	30
16 QAM	**24.66**	27.88	30
64 QAM	**23.44**	26.66	30
256 QAM	**21.33**	24.55	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 100 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 100M			
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S P1/2 BPSK	1	1	25.52
DFT-S QPSK	1	1	25.74
	1	137	25.55
	1	271	25.57
	135	0	24.77
	135	69	25.67
	135	138	24.53
	270	0	24.7
DFT-S 16 QAM	1	1	24.76
DFT-S 64 QAM	1	1	23.41
DFT-S 256 QAM	1	1	21.22
CP QPSK	1	1	24.49

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.52**	28.74	30
QPSK	**25.74**	28.96	30
16 QAM	**24.76**	27.98	30
64 QAM	**23.41**	26.63	30
256 QAM	**21.22**	24.44	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.2 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO (Chain 0)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
DFT-S QPSK	1	1	22.53	22.48	22.51
	1	11	22.53	22.44	22.52
	1	22	22.54	22.51	22.57
	12	0	22.55	22.52	22.54
	12	6	23.61	23.53	23.55
	12	12	22.57	22.57	22.61
	24	0	22.54	22.63	22.61
DFT-S 16 QAM	1	1	22.46	22.49	22.48
DFT-S 64 QAM	1	1	19.95	20.01	19.96
DFT-S 256 QAM	1	1	17.96	17.95	17.99

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.61**	26.83	30
16 QAM	**22.49**	25.71	30
64 QAM	**20.01**	23.23	30
256 QAM	**17.99**	21.21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
DFT-S QPSK	1	1	22.48	22.53	22.46
	1	19	22.52	22.52	22.48
	1	36	22.52	22.58	22.58
	18	0	22.58	22.57	22.52
	18	10	23.57	23.54	23.61
	18	20	22.58	22.57	22.52
	36	0	22.56	22.54	22.63
DFT-S 16 QAM	1	1	22.45	22.43	22.43
DFT-S 64 QAM	1	1	19.91	19.95	19.93
DFT-S 256 QAM	1	1	18.02	17.93	17.97

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.61**	26.83	30
16 QAM	**22.45**	25.67	30
64 QAM	**19.95**	23.17	30
256 QAM	**18.02**	21.24	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
DFT-S QPSK	1	1	22.51	22.54	22.51
	1	26	22.47	22.52	22.54
	1	49	22.58	22.56	22.58
	25	0	22.57	22.54	22.54
	25	13	23.52	23.57	23.59
	25	26	22.52	22.53	22.6
	50	0	22.56	22.6	22.62
DFT-S 16 QAM	1	1	22.44	22.48	22.43
DFT-S 64 QAM	1	1	20	20.01	19.91
DFT-S 256 QAM	1	1	17.95	17.93	18.01

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.54**	26.81	30
16 QAM	**25.47**	25.7	30
64 QAM	**22.95**	23.23	30
256 QAM	**20.85**	21.23	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 25 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630834	CH 633332	CH 635832
			3462.51 MHz	3500.01 MHz	3537.48 MHz
DFT-S QPSK	1	1	22.47	22.52	22.51
	1	33	22.48	22.5	22.51
	1	63	22.55	22.55	22.5
	32	0	22.58	22.6	22.61
	32	17	23.57	23.59	23.58
	32	33	22.56	22.53	22.59
	64	0	22.63	22.62	22.6
DFT-S 16 QAM	1	1	22.44	22.51	22.53
DFT-S 64 QAM	1	1	20	19.96	19.93
DFT-S 256 QAM	1	1	18.03	17.94	17.94

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.59**	26.81	30
16 QAM	**22.53**	25.75	30
64 QAM	**20**	23.22	30
256 QAM	**18.03**	21.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
DFT-S QPSK	1	1	22.51	22.5	22.52
	1	39	22.52	22.48	22.46
	1	76	22.56	22.53	22.58
	36	0	22.56	22.61	22.61
	36	21	23.54	23.62	23.52
	36	42	22.58	22.54	22.58
	75	0	22.56	22.64	22.54
DFT-S 16 QAM	1	1	22.47	22.51	22.48
DFT-S 64 QAM	1	1	19.96	19.96	19.95
DFT-S 256 QAM	1	1	18.01	18	17.99

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.54**	26.84	30
16 QAM	**25.47**	25.73	30
64 QAM	**22.95**	23.18	30
256 QAM	**20.85**	21.23	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
DFT-S QPSK	1	1	22.47	22.48	22.47
	1	53	22.47	22.51	22.46
	1	104	22.58	22.55	22.56
	50	0	22.55	22.55	22.6
	50	28	23.59	23.55	23.53
	50	56	22.55	22.6	22.61
	100	0	22.64	22.62	22.58
DFT-S 16 QAM	1	1	22.49	22.52	22.5
DFT-S 64 QAM	1	1	20.01	19.94	19.95
DFT-S 256 QAM	1	1	17.98	18.01	18.01

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.59**	26.81	30
16 QAM	**22.52**	25.74	30
64 QAM	**20.01**	23.23	30
256 QAM	**18.01**	21.23	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 50 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
DFT-S QPSK	1	1	22.47	22.55	22.54
	1	67	22.53	22.44	22.49
	1	131	22.56	22.51	22.52
	64	0	22.61	22.53	22.57
	64	35	23.53	23.57	23.57
	64	69	22.52	22.54	22.6
	128	0	22.58	22.58	22.61
DFT-S 16 QAM	1	1	22.53	22.45	22.5
DFT-S 64 QAM	1	1	19.98	19.98	19.98
DFT-S 256 QAM	1	1	18.03	18.02	18.03

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.57**	26.79	30
16 QAM	**22.53**	25.75	30
64 QAM	**19.98**	23.2	30
256 QAM	**18.03**	21.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 60 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
DFT-S QPSK	1	1	22.45	22.54	22.49
	1	81	22.5	22.51	22.54
	1	160	22.55	22.57	22.55
	81	0	22.52	22.57	22.59
	81	41	23.56	23.53	23.61
	81	81	22.58	22.54	22.61
	162	0	22.56	22.55	22.62
DFT-S 16 QAM	1	1	22.53	22.51	22.52
DFT-S 64 QAM	1	1	19.93	20.01	19.92
DFT-S 256 QAM	1	1	17.96	18.01	18.03

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.61**	26.83	30
16 QAM	**22.53**	25.75	30
64 QAM	**20.01**	23.23	30
256 QAM	**18.03**	21.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 70 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
DFT-S QPSK	1	1	22.45	22.53	22.54
	1	95	22.45	22.48	22.45
	1	187	22.55	22.52	22.49
	90	0	22.52	22.52	22.6
	90	50	23.54	23.59	23.59
	90	99	22.61	22.61	22.55
	180	0	22.6	22.59	22.57
DFT-S 16 QAM	1	1	22.47	22.47	22.53
DFT-S 64 QAM	1	1	20	19.94	19.96
DFT-S 256 QAM	1	1	17.98	17.97	17.96

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.59**	26.81	30
16 QAM	**22.53**	25.75	30
64 QAM	**20**	23.22	30
256 QAM	**17.98**	21.2	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 80 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
DFT-S QPSK	1	1	22.49	22.5	22.54
	1	109	22.51	22.53	22.52
	1	215	22.53	22.57	22.51
	108	0	22.57	22.61	22.59
	108	55	23.56	23.53	23.6
	108	109	22.54	22.57	22.56
	216	0	22.54	22.58	22.55
DFT-S 16 QAM	1	1	22.48	22.52	22.46
DFT-S 64 QAM	1	1	19.92	19.92	19.96
DFT-S 256 QAM	1	1	18.03	18	18

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.6**	26.82	30
16 QAM	**22.52**	25.74	30
64 QAM	**19.96**	23.18	30
256 QAM	**18.03**	21.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 90 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
DFT-S QPSK	1	1	22.48	22.48	22.51
	1	123	22.54	22.44	22.46
	1	243	22.57	22.57	22.49
	120	0	22.57	22.61	22.62
	120	63	23.54	23.56	23.56
	120	125	22.58	22.59	22.51
	243	0	22.55	22.57	22.64
DFT-S 16 QAM	1	1	22.47	22.51	22.52
DFT-S 64 QAM	1	1	19.99	19.92	19.98
DFT-S 256 QAM	1	1	18	18.01	18.01

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.56**	26.78	30
16 QAM	**22.52**	25.74	30
64 QAM	**19.99**	23.21	30
256 QAM	**18.01**	21.23	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 100 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S QPSK	1	1	22.55
	1	137	22.54
	1	271	22.59
	135	0	22.62
	135	69	23.62
	135	138	22.61
	270	0	22.64
DFT-S 16 QAM	1	1	22.53
DFT-S 64 QAM	1	1	20.01
DFT-S 256 QAM	1	1	18.03

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.62**	26.84	30
16 QAM	**22.53**	25.75	30
64 QAM	**20.01**	23.23	30
256 QAM	**18.03**	21.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.3 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO (Chain 1)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 10 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
DFT-S QPSK	1	1	22.76	22.85	22.8
	1	11	22.72	22.79	22.76
	1	22	22.68	22.68	22.64
	12	0	22.41	22.46	22.51
	12	6	23.45	23.43	23.46
	12	12	22.43	22.44	22.45
	24	0	22.52	22.48	22.51
DFT-S 16 QAM	1	1	22.42	22.41	22.44
DFT-S 64 QAM	1	1	19.85	19.87	19.89
DFT-S 256 QAM	1	1	17.71	17.69	17.68

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.46**	26.68	30
16 QAM	**22.44**	25.66	30
64 QAM	**19.89**	23.11	30
256 QAM	**17.71**	20.93	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 15 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
DFT-S QPSK	1	1	22.77	22.76	22.84
	1	19	22.69	22.76	22.7
	1	36	22.63	22.65	22.65
	18	0	22.47	22.49	22.43
	18	10	23.44	23.39	23.48
	18	20	22.42	22.36	22.39
	36	0	22.5	22.54	22.52
DFT-S 16 QAM	1	1	22.4	22.4	22.43
DFT-S 64 QAM	1	1	19.89	19.89	19.95
DFT-S 256 QAM	1	1	17.72	17.77	17.75

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.48**	26.7	30
16 QAM	**22.43**	25.65	30
64 QAM	**19.95**	23.17	30
256 QAM	**17.77**	20.99	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 20 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
DFT-S QPSK	1	1	22.79	22.79	22.76
	1	26	22.78	22.78	22.69
	1	49	22.66	22.68	22.66
	25	0	22.42	22.47	22.48
	25	13	23.47	23.47	23.4
	25	26	22.42	22.36	22.36
	50	0	22.44	22.45	22.48
DFT-S 16 QAM	1	1	22.45	22.41	22.39
DFT-S 64 QAM	1	1	19.88	19.89	19.95
DFT-S 256 QAM	1	1	17.71	17.72	17.73

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.47**	26.69	30
16 QAM	**22.45**	25.67	30
64 QAM	**19.95**	23.17	30
256 QAM	**17.73**	20.95	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 25 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630834	CH 633332	CH 635832
			3462.51 MHz	3500.01 MHz	3537.48 MHz
DFT-S QPSK	1	1	22.75	22.78	22.84
	1	33	22.79	22.71	22.77
	1	63	22.66	22.63	22.69
	32	0	22.47	22.5	22.48
	32	17	23.44	23.44	23.39
	32	33	22.44	22.46	22.46
	64	0	22.51	22.46	22.47
DFT-S 16 QAM	1	1	22.35	22.41	22.35
DFT-S 64 QAM	1	1	19.87	19.85	19.86
DFT-S 256 QAM	1	1	17.73	17.78	17.72

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.44**	26.66	30
16 QAM	**22.41**	25.63	30
64 QAM	**19.87**	23.09	30
256 QAM	**17.78**	21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 30 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
DFT-S QPSK	1	1	22.76	22.8	22.84
	1	39	22.76	22.74	22.79
	1	76	22.64	22.66	22.65
	36	0	22.43	22.46	22.49
	36	21	23.42	23.4	23.39
	36	42	22.4	22.44	22.41
	75	0	22.47	22.49	22.54
DFT-S 16 QAM	1	1	22.35	22.35	22.45
DFT-S 64 QAM	1	1	19.9	19.86	19.92
DFT-S 256 QAM	1	1	17.69	17.75	17.72

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.42**	26.64	30
16 QAM	**22.45**	25.67	30
64 QAM	**19.92**	23.14	30
256 QAM	**17.75**	20.97	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 40 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
DFT-S QPSK	1	1	22.82	22.83	22.8
	1	53	22.78	22.75	22.71
	1	104	22.72	22.64	22.66
	50	0	22.46	22.48	22.42
	50	28	23.42	23.49	23.49
	50	56	22.41	22.36	22.45
	100	0	22.53	22.53	22.44
DFT-S 16 QAM	1	1	22.38	22.42	22.37
DFT-S 64 QAM	1	1	19.9	19.93	19.87
DFT-S 256 QAM	1	1	17.71	17.69	17.77

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.49**	26.71	30
16 QAM	**22.42**	25.64	30
64 QAM	**19.93**	23.15	30
256 QAM	**17.77**	20.99	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 50 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
DFT-S QPSK	1	1	22.84	22.84	22.78
	1	67	22.71	22.75	22.74
	1	131	22.69	22.64	22.7
	64	0	22.41	22.47	22.46
	64	35	23.4	23.4	23.42
	64	69	22.44	22.38	22.45
	128	0	22.5	22.44	22.54
DFT-S 16 QAM	1	1	22.43	22.39	22.43
DFT-S 64 QAM	1	1	19.85	19.92	19.91
DFT-S 256 QAM	1	1	17.78	17.69	17.78

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.42**	26.64	30
16 QAM	**22.43**	25.65	30
64 QAM	**19.92**	23.14	30
256 QAM	**17.78**	21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 60 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
DFT-S QPSK	1	1	22.79	22.8	22.76
	1	81	22.75	22.74	22.69
	1	160	22.66	22.72	22.7
	81	0	22.46	22.5	22.45
	81	41	23.47	23.41	23.39
	81	81	22.38	22.4	22.46
	162	0	22.53	22.46	22.5
DFT-S 16 QAM	1	1	22.45	22.38	22.4
DFT-S 64 QAM	1	1	19.88	19.87	19.88
DFT-S 256 QAM	1	1	17.76	17.72	17.7

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.47**	26.69	30
16 QAM	**22.45**	25.67	30
64 QAM	**19.88**	23.1	30
256 QAM	**17.76**	20.98	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 70 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
DFT-S QPSK	1	1	22.81	22.83	22.83
	1	95	22.69	22.78	22.78
	1	187	22.66	22.65	22.71
	90	0	22.42	22.46	22.43
	90	50	23.49	23.39	23.45
	90	99	22.41	22.41	22.44
	180	0	22.52	22.47	22.44
DFT-S 16 QAM	1	1	22.35	22.41	22.4
DFT-S 64 QAM	1	1	19.94	19.87	19.91
DFT-S 256 QAM	1	1	17.69	17.77	17.74

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.49**	26.71	30
16 QAM	**22.41**	25.63	30
64 QAM	**19.94**	23.16	30
256 QAM	**17.77**	20.99	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 80 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
DFT-S QPSK	1	1	22.78	22.76	22.83
	1	109	22.7	22.75	22.74
	1	215	22.64	22.69	22.65
	108	0	22.43	22.45	22.49
	108	55	23.48	23.48	23.4
	108	109	22.46	22.43	22.42
	216	0	22.44	22.53	22.44
DFT-S 16 QAM	1	1	22.4	22.36	22.43
DFT-S 64 QAM	1	1	19.85	19.93	19.89
DFT-S 256 QAM	1	1	17.69	17.71	17.76

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.48**	26.7	30
16 QAM	**22.43**	25.65	30
64 QAM	**19.93**	23.15	30
256 QAM	**17.76**	20.98	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 90 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
DFT-S QPSK	1	1	22.84	22.81	22.79
	1	123	22.73	22.7	22.78
	1	243	22.73	22.67	22.63
	120	0	22.48	22.44	22.45
	120	63	23.48	23.4	23.49
	120	125	22.37	22.46	22.36
	243	0	22.46	22.49	22.46
DFT-S 16 QAM	1	1	22.42	22.39	22.38
DFT-S 64 QAM	1	1	19.92	19.88	19.91
DFT-S 256 QAM	1	1	17.73	17.69	17.72

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.49**	26.71	30
16 QAM	**22.42**	25.64	30
64 QAM	**19.92**	23.14	30
256 QAM	**17.73**	20.95	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 100 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 100M			
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S QPSK	1	1	22.85
	1	137	22.79
	1	271	22.73
	135	0	22.51
	135	69	23.49
	135	138	22.46
	270	0	22.54
DFT-S 16 QAM	1	1	22.45
DFT-S 64 QAM	1	1	19.95
DFT-S 256 QAM	1	1	17.78

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.49**	26.71	30
16 QAM	**22.45**	25.67	30
64 QAM	**19.95**	23.17	30
256 QAM	**17.78**	21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.4 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO (Total)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 10 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
DFT-S QPSK	1	1	25.66	25.68	25.67
	1	11	25.64	25.63	25.65
	1	22	25.62	25.61	25.62
	12	0	25.49	25.5	25.54
	12	6	26.54	26.49	26.52
	12	12	25.51	25.52	25.54
	24	0	25.54	25.57	25.57
DFT-S 16 QAM	1	1	25.45	25.46	25.47
DFT-S 64 QAM	1	1	22.91	22.95	22.94
DFT-S 256 QAM	1	1	20.85	20.83	20.85

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.54**	29.76	30
16 QAM	**25.47**	28.69	30
64 QAM	**22.95**	26.17	30
256 QAM	**20.85**	24.07	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 15 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
DFT-S QPSK	1	1	25.64	25.66	25.66
	1	19	25.62	25.65	25.6
	1	36	25.59	25.63	25.63
	18	0	25.54	25.54	25.49
	18	10	26.52	26.48	26.56
	18	20	25.51	25.48	25.47
	36	0	25.54	25.55	25.59
DFT-S 16 QAM	1	1	25.44	25.43	25.44
DFT-S 64 QAM	1	1	22.91	22.93	22.95
DFT-S 256 QAM	1	1	20.88	20.86	20.87

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.56**	29.78	30
16 QAM	**25.44**	28.66	30
64 QAM	**22.95**	26.17	30
256 QAM	**20.88**	24.1	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 20 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
DFT-S QPSK	1	1	25.66	25.68	25.65
	1	26	25.64	25.66	25.63
	1	49	25.63	25.63	25.63
	25	0	25.51	25.52	25.52
	25	13	26.51	26.53	26.51
	25	26	25.48	25.46	25.49
	50	0	25.51	25.54	25.56
DFT-S 16 QAM	1	1	25.46	25.46	25.42
DFT-S 64 QAM	1	1	22.95	22.96	22.94
DFT-S 256 QAM	1	1	20.84	20.84	20.88

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.53**	29.75	30
16 QAM	**25.46**	28.68	30
64 QAM	**22.96**	26.18	30
256 QAM	**20.88**	24.1	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 25 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630834	CH 633332	CH 635832
			3462.51 MHz	3500.01 MHz	3537.48 MHz
DFT-S QPSK	1	1	25.62	25.66	25.69
	1	33	25.65	25.62	25.65
	1	63	25.62	25.6	25.61
	32	0	25.54	25.56	25.56
	32	17	26.52	26.53	26.5
	32	33	25.51	25.51	25.54
	64	0	25.58	25.55	25.55
DFT-S 16 QAM	1	1	25.41	25.47	25.45
DFT-S 64 QAM	1	1	22.95	22.92	22.91
DFT-S 256 QAM	1	1	20.89	20.87	20.84

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.53**	29.75	30
16 QAM	**25.47**	28.69	30
64 QAM	**22.95**	26.17	30
256 QAM	**20.89**	24.11	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 30 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
DFT-S QPSK	1	1	25.65	25.66	25.69
	1	39	25.65	25.62	25.64
	1	76	25.61	25.61	25.63
	36	0	25.51	25.55	25.56
	36	21	26.49	26.52	26.47
	36	42	25.5	25.5	25.51
	75	0	25.53	25.58	25.55
DFT-S 16 QAM	1	1	25.42	25.44	25.48
DFT-S 64 QAM	1	1	22.94	22.92	22.95
DFT-S 256 QAM	1	1	20.86	20.89	20.87

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.52**	29.74	30
16 QAM	**25.48**	28.7	30
64 QAM	**22.95**	26.17	30
256 QAM	**20.89**	24.11	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 40 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
DFT-S QPSK	1	1	25.66	25.67	25.65
	1	53	25.64	25.64	25.6
	1	104	25.66	25.61	25.62
	50	0	25.52	25.53	25.52
	50	28	26.52	26.53	26.52
	50	56	25.49	25.49	25.54
	100	0	25.6	25.59	25.52
DFT-S 16 QAM	1	1	25.45	25.48	25.45
DFT-S 64 QAM	1	1	22.97	22.95	22.92
DFT-S 256 QAM	1	1	20.86	20.86	20.9

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.53**	29.75	30
16 QAM	**25.48**	28.7	30
64 QAM	**22.97**	26.19	30
256 QAM	**20.9**	24.12	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 50 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
DFT-S QPSK	1	1	25.67	25.71	25.67
	1	67	25.63	25.61	25.63
	1	131	25.64	25.59	25.62
	64	0	25.52	25.51	25.53
	64	35	26.48	26.5	26.51
	64	69	25.49	25.47	25.54
	128	0	25.55	25.52	25.59
DFT-S 16 QAM	1	1	25.49	25.43	25.48
DFT-S 64 QAM	1	1	22.93	22.96	22.96
DFT-S 256 QAM	1	1	20.92	20.87	20.92

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.51**	29.73	30
16 QAM	**25.49**	28.71	30
64 QAM	**22.96**	26.18	30
256 QAM	**20.92**	24.14	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 60 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
DFT-S QPSK	1	1	25.63	25.68	25.64
	1	81	25.64	25.64	25.63
	1	160	25.62	25.66	25.64
	81	0	25.5	25.55	25.53
	81	41	26.53	26.48	26.51
	81	81	25.49	25.48	25.55
	162	0	25.56	25.52	25.57
DFT-S 16 QAM	1	1	25.5	25.46	25.47
DFT-S 64 QAM	1	1	22.92	22.95	22.91
DFT-S 256 QAM	1	1	20.87	20.88	20.88

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.53**	29.75	30
16 QAM	**25.5**	28.72	30
64 QAM	**22.95**	26.17	30
256 QAM	**20.88**	24.1	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 70 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
DFT-S QPSK	1	1	25.64	25.69	25.7
	1	95	25.58	25.64	25.63
	1	187	25.62	25.6	25.61
	90	0	25.48	25.5	25.53
	90	50	26.53	26.5	26.53
	90	99	25.52	25.52	25.51
	180	0	25.57	25.54	25.52
DFT-S 16 QAM	1	1	25.42	25.45	25.48
DFT-S 64 QAM	1	1	22.98	22.92	22.95
DFT-S 256 QAM	1	1	20.85	20.88	20.86

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.53**	29.75	30
16 QAM	**25.48**	28.7	30
64 QAM	**22.98**	26.2	30
256 QAM	**20.88**	24.1	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 80 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
DFT-S QPSK	1	1	25.65	25.64	25.7
	1	109	25.62	25.65	25.64
	1	215	25.6	25.64	25.59
	108	0	25.51	25.54	25.55
	108	55	26.53	26.52	26.51
	108	109	25.51	25.51	25.5
	216	0	25.5	25.57	25.51
DFT-S 16 QAM	1	1	25.45	25.45	25.46
DFT-S 64 QAM	1	1	22.9	22.94	22.94
DFT-S 256 QAM	1	1	20.87	20.87	20.89

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.53**	29.75	30
16 QAM	**25.46**	28.68	30
64 QAM	**22.94**	26.16	30
256 QAM	**20.89**	24.11	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 90 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
DFT-S QPSK	1	1	25.67	25.66	25.66
	1	123	25.65	25.58	25.63
	1	243	25.66	25.63	25.57
	120	0	25.54	25.54	25.55
	120	63	26.52	26.49	26.54
	120	125	25.49	25.54	25.45
	243	0	25.52	25.54	25.56
DFT-S 16 QAM	1	1	25.46	25.46	25.46
DFT-S 64 QAM	1	1	22.97	22.91	22.96
DFT-S 256 QAM	1	1	20.88	20.86	20.88

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.54**	29.76	30
16 QAM	**25.46**	28.68	30
64 QAM	**22.97**	26.19	30
256 QAM	**20.88**	24.1	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 100 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 100M			
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S QPSK	1	1	25.71
	1	137	25.68
	1	271	25.67
	135	0	25.58
	135	69	26.57
	135	138	25.55
	270	0	25.6
DFT-S 16 QAM	1	1	25.5
DFT-S 64 QAM	1	1	22.99
DFT-S 256 QAM	1	1	20.92

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.57**	29.79	30
16 QAM	**25.5**	28.72	30
64 QAM	**22.99**	26.21	30
256 QAM	**20.92**	24.14	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.5 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) – SISO (PC2)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 10 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647000	CH 656000	CH 665000
			3705 MHz	3840 MHz	3975 MHz
DFT-S P1/2 BPSK	1	1	25.44	25.14	25.01
DFT-S QPSK	1	1	25.53	25.23	24.93
	1	11	25.31	25.01	25.02
	1	22	25.45	25.12	25.01
	12	0	24.65	24.29	24.27
	12	6	25.45	25.17	25.04
	12	12	24.44	24.09	24.02
	24	0	24.51	24.23	24.12
DFT-S 16 QAM	1	1	24.5	24.22	24.14
DFT-S 64 QAM	1	1	23.63	23.43	23.36
DFT-S 256 QAM	1	1	21.6	21.3	21.27
CP QPSK	1	1	24.38	24.16	23.92

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.44**	28.66	30
QPSK	**25.53**	28.75	30
16 QAM	**24.5**	27.72	30
64 QAM	**23.63**	26.85	30
256 QAM	**21.6**	24.82	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 15 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647168	CH 656000	CH 664832
			3707.52 MHz	3840 MHz	3972.48 MHz
DFT-S P1/2 BPSK	1	1	25.39	25.19	25.03
DFT-S QPSK	1	1	25.48	25.23	24.93
	1	19	25.38	25.08	25.04
	1	36	25.39	25.12	24.99
	18	0	24.61	24.3	24.25
	18	10	25.44	25.16	25.04
	18	20	24.37	24.16	24.01
	36	0	24.49	24.16	24.08
DFT-S 16 QAM	1	1	24.43	24.17	24.12
DFT-S 64 QAM	1	1	23.59	23.4	23.26
DFT-S 256 QAM	1	1	21.52	21.32	21.26
CP QPSK	1	1	24.36	24.12	23.93

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.39**	28.61	30
QPSK	**25.48**	28.7	30
16 QAM	**24.43**	27.65	30
64 QAM	**23.59**	26.81	30
256 QAM	**21.52**	24.74	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 20 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647334	CH 656000	CH 664666
			3710.01 MHz	3840 MHz	3969.99 MHz
DFT-S P1/2 BPSK	1	1	25.4	25.18	24.97
DFT-S QPSK	1	1	25.5	25.21	25.01
	1	26	25.31	25.06	25.08
	1	49	25.37	25.22	24.97
	25	0	24.64	24.37	24.32
	25	13	25.39	25.12	25.08
	25	26	24.37	24.13	23.96
	50	0	24.44	24.14	24.16
DFT-S 16 QAM	1	1	24.48	24.18	24.11
DFT-S 64 QAM	1	1	23.66	23.43	23.32
DFT-S 256 QAM	1	1	21.59	21.36	21.29
CP QPSK	1	1	24.32	24.11	24

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.4**	28.62	30
QPSK	**25.5**	28.72	30
16 QAM	**24.48**	27.7	30
64 QAM	**23.66**	26.88	30
256 QAM	**21.59**	24.81	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 25 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647500	CH 656000	CH 664500
			3712.5 MHz	3840 MHz	3967.5 MHz
DFT-S P1/2 BPSK	1	1	25.41	25.17	25.05
DFT-S QPSK	1	1	25.46	25.2	24.95
	1	33	25.32	25.08	25.07
	1	63	25.37	25.13	24.97
	32	0	24.61	24.33	24.31
	32	17	25.38	25.13	25.11
	32	33	24.34	24.16	23.97
	64	0	24.43	24.22	24.08
DFT-S 16 QAM	1	1	24.51	24.17	24.15
DFT-S 64 QAM	1	1	23.67	23.49	23.29
DFT-S 256 QAM	1	1	21.52	21.33	21.29
CP QPSK	1	1	24.42	24.18	23.98

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.41**	28.63	30
QPSK	**25.46**	28.68	30
16 QAM	**24.51**	27.73	30
64 QAM	**23.67**	26.89	30
256 QAM	**21.52**	24.74	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 30 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647668	CH 656000	CH 664332
			3715.02 MHz	3840 MHz	3964.98 MHz
DFT-S P1/2 BPSK	1	1	25.37	25.16	25.03
DFT-S QPSK	1	1	25.49	25.21	24.95
	1	39	25.35	25.08	25.03
	1	76	25.39	25.16	25.07
	36	0	24.63	24.28	24.34
	36	21	25.37	25.1	25.07
	36	42	24.42	24.17	23.95
	75	0	24.52	24.21	24.08
DFT-S 16 QAM	1	1	24.48	24.14	24.17
DFT-S 64 QAM	1	1	23.61	23.45	23.35
DFT-S 256 QAM	1	1	21.52	21.38	21.23
CP QPSK	1	1	24.41	24.14	23.95

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.37**	28.59	30
QPSK	**25.49**	28.71	30
16 QAM	**24.48**	27.7	30
64 QAM	**23.61**	26.83	30
256 QAM	**21.52**	24.74	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 40 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648000	CH 656000	CH 664000
			3720 MHz	3840 MHz	3960 MHz
DFT-S P1/2 BPSK	1	1	25.36	25.2	25.02
DFT-S QPSK	1	1	25.55	25.2	24.99
	1	53	25.32	24.99	25
	1	104	25.4	25.17	25.02
	50	0	24.61	24.33	24.29
	50	28	25.44	25.18	25.02
	50	56	24.39	24.14	24
	100	0	24.45	24.18	24.09
DFT-S 16 QAM	1	1	24.51	24.15	24.09
DFT-S 64 QAM	1	1	23.64	23.41	23.33
DFT-S 256 QAM	1	1	21.55	21.38	21.21
CP QPSK	1	1	24.41	24.17	23.98

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.36**	28.58	30
QPSK	**25.55**	28.77	30
16 QAM	**24.51**	27.73	30
64 QAM	**23.64**	26.86	30
256 QAM	**21.55**	24.77	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 50 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648334	CH 656000	CH 663666
			3725.01 MHz	3840 MHz	3954.99 MHz
DFT-S P1/2 BPSK	1	1	25.44	25.18	25.01
DFT-S QPSK	1	1	25.47	25.24	24.98
	1	67	25.37	25.08	25.04
	1	131	25.45	25.19	25.03
	64	0	24.62	24.35	24.35
	64	35	25.43	25.15	25.09
	64	69	24.43	24.12	23.99
	128	0	24.5	24.14	24.13
DFT-S 16 QAM	1	1	24.48	24.21	24.13
DFT-S 64 QAM	1	1	23.65	23.39	23.26
DFT-S 256 QAM	1	1	21.58	21.38	21.2
CP QPSK	1	1	24.35	24.17	23.94

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.44**	28.66	30
QPSK	**25.47**	28.69	30
16 QAM	**24.48**	27.7	30
64 QAM	**23.65**	26.87	30
256 QAM	**21.58**	24.8	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 60 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648668	CH 656000	CH 663332
			3730.02 MHz	3840 MHz	3949.98 MHz
DFT-S P1/2 BPSK	1	1	25.39	25.17	25.05
DFT-S QPSK	1	1	25.53	25.24	24.96
	1	81	25.34	25	25.06
	1	160	25.36	25.16	24.97
	81	0	24.65	24.34	24.34
	81	41	25.45	25.18	25.1
	81	81	24.42	24.13	23.95
	162	0	24.47	24.17	24.09
DFT-S 16 QAM	1	1	24.49	24.13	24.08
DFT-S 64 QAM	1	1	23.68	23.45	23.34
DFT-S 256 QAM	1	1	21.56	21.37	21.26
CP QPSK	1	1	24.41	24.13	23.95

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.39**	28.61	30
QPSK	**25.53**	28.75	30
16 QAM	**24.49**	27.71	30
64 QAM	**23.68**	26.9	30
256 QAM	**21.56**	24.78	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 70 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649000	CH 656000	CH 663000
			3735 MHz	3840 MHz	3945 MHz
DFT-S P1/2 BPSK	1	1	25.42	25.22	25.03
DFT-S QPSK	1	1	25.55	25.27	24.98
	1	95	25.38	24.99	25.02
	1	187	25.45	25.14	24.98
	90	0	24.56	24.28	24.29
	90	50	25.47	25.19	25.05
	90	99	24.41	24.07	23.96
	180	0	24.43	24.23	24.1
DFT-S 16 QAM	1	1	24.48	24.13	24.13
DFT-S 64 QAM	1	1	23.68	23.42	23.36
DFT-S 256 QAM	1	1	21.57	21.34	21.21
CP QPSK			24.34	24.13	23.94

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.42**	28.64	30
QPSK	**25.55**	28.77	30
16 QAM	**24.48**	27.7	30
64 QAM	**23.68**	26.9	30
256 QAM	**21.57**	24.79	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 80 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649334	CH 656000	CH 662666
			3740.01 MHz	3840 MHz	3939.99 MHz
DFT-S P1/2 BPSK	1	1	25.36	25.2	25.05
DFT-S QPSK	1	1	25.55	25.21	24.96
	1	109	25.38	24.99	25.03
	1	215	25.35	25.19	25
	108	0	24.61	24.37	24.32
	108	55	25.4	25.14	25.11
	108	109	24.39	24.17	23.96
	216	0	24.43	24.2	24.18
DFT-S 16 QAM	1	1	24.43	24.2	24.11
DFT-S 64 QAM	1	1	23.64	23.47	23.32
DFT-S 256 QAM	1	1	21.55	21.35	21.22
CP QPSK	1	1	24.32	24.16	23.99

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.36**	28.58	30
QPSK	**25.55**	28.77	30
16 QAM	**24.43**	27.65	30
64 QAM	**23.64**	26.86	30
256 QAM	**21.55**	24.77	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 90 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649668	CH 656000	CH 662332
			3745.02 MHz	3840 MHz	3934.98 MHz
DFT-S P1/2 BPSK	1	1	25.36	25.14	25.06
DFT-S QPSK	1	1	25.52	25.24	25.01
	1	123	25.39	25.05	25.04
	1	243	25.43	25.18	24.99
	120	0	24.62	24.31	24.32
	120	63	25.46	25.17	25.11
	120	125	24.35	24.17	24.03
	243	0	24.49	24.15	24.13
DFT-S 16 QAM	1	1	24.44	24.22	24.15
DFT-S 64 QAM	1	1	23.64	23.39	23.3
DFT-S 256 QAM	1	1	21.56	21.32	21.24
CP QPSK	1	1	24.35	24.15	23.94

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**25.36**	28.58	30
QPSK	**25.52**	28.74	30
16 QAM	**24.44**	27.66	30
64 QAM	**23.64**	26.86	30
256 QAM	**21.56**	24.78	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) PC2, Channel Bandwidth: 100 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 100M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 650000	CH 656000	CH 662000
			3750 MHz	3840 MHz	3930 MHz
DFTS P1/2 BPSK	1	1	25.46	25.25	25.09
DFT-S QPSK	1	1	25.58	25.3	25.11
	1	137	25.41	25.11	25.04
	1	271	25.47	25.24	25.09
	135	0	24.67	24.4	24.37
	135	69	25.49	25.21	25.13
	135	138	24.46	24.19	24.07
	270	0	24.55	24.25	24.2
DFT-S 16 QAM	1	1	24.53	24.25	24.19
DFT-S 64 QAM	1	1	23.71	23.51	23.38
DFT-S 256 QAM	1	1	21.62	21.42	21.31
CP QPSK	1	1	24.44	24.23	24.04

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	25.46	28.68	30
QPSK	25.58	28.8	30
16 QAM	24.53	27.75	30
64 QAM	23.71	26.93	30
256 QAM	21.62	24.84	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.6 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) – MIMO (Chain 0)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647000	CH 656000	CH 665000
			3705 MHz	3840 MHz	3975 MHz
DFT-S QPSK	1	1	22.57	22.48	22.41
	1	11	22.49	22.29	22.3
	1	22	22.39	22.37	22.32
	12	0	22.62	22.52	22.52
	12	6	23.69	23.46	23.52
	12	12	22.57	22.48	22.37
	24	0	22.26	22.16	21.95
DFT-S 16 QAM	1	1	22.37	22.33	22.3
DFT-S 64 QAM	1	1	20.98	20.71	20.82
DFT-S 256 QAM	1	1	19.06	18.92	18.93

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.69**	26.91	30
16 QAM	**22.37**	25.59	30
64 QAM	**20.98**	24.2	30
256 QAM	**19.06**	22.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647168	CH 656000	CH 664832
			3707.52 MHz	3840 MHz	3972.48 MHz
DFT-S QPSK	1	1	22.6	22.42	22.42
	1	19	22.48	22.37	22.32
	1	36	22.45	22.31	22.25
	18	0	22.67	22.53	22.53
	18	10	23.66	23.52	23.59
	18	20	22.6	22.4	22.42
	36	0	22.17	22.08	22.04
DFT-S 16 QAM	1	1	22.39	22.29	22.25
DFT-S 64 QAM	1	1	20.99	20.72	20.78
DFT-S 256 QAM	1	1	19	18.89	18.9

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.66**	26.88	30
16 QAM	**22.39**	25.61	30
64 QAM	**20.99**	24.21	30
256 QAM	**19**	22.22	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647334	CH 656000	CH 664666
			3710.01 MHz	3840 MHz	3969.99 MHz
DFT-S QPSK	1	1	22.55	22.43	22.43
	1	26	22.49	22.31	22.31
	1	49	22.48	22.39	22.25
	25	0	22.61	22.56	22.51
	25	13	23.74	23.51	23.57
	25	26	22.61	22.44	22.38
	50	0	22.24	22.15	21.98
DFT-S 16 QAM	1	1	22.36	22.33	22.24
DFT-S 64 QAM	1	1	20.89	20.7	20.81
DFT-S 256 QAM	1	1	19.06	18.86	18.83

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.74**	26.96	30
16 QAM	**22.36**	25.58	30
64 QAM	**20.89**	24.11	30
256 QAM	**19.06**	22.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 25 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647500	CH 656000	CH 664500
			3712.5 MHz	3840 MHz	3967.5 MHz
DFT-S QPSK	1	1	22.56	22.49	22.37
	1	33	22.47	22.35	22.3
	1	63	22.48	22.34	22.23
	32	0	22.6	22.52	22.53
	32	17	23.69	23.49	23.56
	32	33	22.56	22.45	22.41
	64	0	22.2	22.1	22
DFT-S 16 QAM	1	1	22.37	22.28	22.31
DFT-S 64 QAM	1	1	20.99	20.74	20.79
DFT-S 256 QAM	1	1	18.97	18.84	18.87

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.69**	26.91	30
16 QAM	**22.37**	25.59	30
64 QAM	**20.99**	24.21	30
256 QAM	**18.97**	22.19	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647668	CH 656000	CH 664332
			3715.02 MHz	3840 MHz	3964.98 MHz
DFT-S QPSK	1	1	22.57	22.4	22.44
	1	39	22.45	22.36	22.32
	1	76	22.39	22.29	22.29
	36	0	22.65	22.59	22.46
	36	21	23.67	23.49	23.55
	36	42	22.52	22.48	22.4
	75	0	22.26	22.13	22.05
DFT-S 16 QAM	1	1	22.36	22.27	22.26
DFT-S 64 QAM	1	1	20.92	20.71	20.72
DFT-S 256 QAM	1	1	19.06	18.87	18.88

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.67**	26.89	30
16 QAM	**22.36**	25.58	30
64 QAM	**20.92**	24.14	30
256 QAM	**19.06**	22.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648000	CH 656000	CH 664000
			3720 MHz	3840 MHz	3960 MHz
DFT-S QPSK	1	1	22.53	22.49	22.4
	1	53	22.48	22.35	22.32
	1	104	22.38	22.36	22.29
	50	0	22.65	22.57	22.49
	50	28	23.64	23.52	23.52
	50	56	22.56	22.46	22.47
	100	0	22.24	22.15	21.96
DFT-S 16 QAM	1	1	22.41	22.28	22.31
DFT-S 64 QAM	1	1	20.92	20.72	20.74
DFT-S 256 QAM	1	1	19	18.86	18.91

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.64**	26.86	30
16 QAM	**22.41**	25.63	30
64 QAM	**20.92**	24.14	30
256 QAM	**19**	22.22	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 50 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648334	CH 656000	CH 663666
			3725.01 MHz	3840 MHz	3954.99 MHz
DFT-S QPSK	1	1	22.55	22.47	22.41
	1	67	22.5	22.39	22.3
	1	131	22.45	22.36	22.26
	64	0	22.68	22.58	22.54
	64	35	23.73	23.46	23.6
	64	69	22.61	22.47	22.42
	128	0	22.25	22.14	22.05
DFT-S 16 QAM	1	1	22.45	22.33	22.3
DFT-S 64 QAM	1	1	20.94	20.74	20.78
DFT-S 256 QAM	1	1	18.97	18.9	18.86

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.73**	26.95	30
16 QAM	**22.45**	25.67	30
64 QAM	**20.94**	24.16	30
256 QAM	**18.97**	22.19	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 60 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648668	CH 656000	CH 663332
			3730.02 MHz	3840 MHz	3949.98 MHz
DFT-S QPSK	1	1	22.54	22.46	22.39
	1	81	22.52	22.32	22.24
	1	160	22.41	22.38	22.27
	81	0	22.62	22.55	22.44
	81	41	23.68	23.5	23.51
	81	81	22.54	22.48	22.4
	162	0	22.25	22.11	22
DFT-S 16 QAM	1	1	22.38	22.31	22.24
DFT-S 64 QAM	1	1	20.99	20.75	20.79
DFT-S 256 QAM	1	1	19.03	18.93	18.87

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.68**	26.9	30
16 QAM	**22.38**	25.6	30
64 QAM	**20.99**	24.21	30
256 QAM	**19.03**	22.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 70 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649000	CH 656000	CH 663000
			3735 MHz	3840 MHz	3945 MHz
DFT-S QPSK	1	1	22.57	22.42	22.41
	1	95	22.44	22.34	22.31
	1	187	22.43	22.33	22.32
	90	0	22.68	22.51	22.48
	90	50	23.73	23.48	23.52
	90	99	22.52	22.45	22.42
	180	0	22.19	22.12	22.02
DFT-S 16 QAM	1	1	22.44	22.28	22.31
DFT-S 64 QAM	1	1	20.93	20.75	20.74
DFT-S 256 QAM	1	1	18.99	18.83	18.84

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.73**	26.95	30
16 QAM	**22.44**	25.66	30
64 QAM	**20.93**	24.15	30
256 QAM	**18.99**	22.21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 80 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649334	CH 656000	CH 662666
			3740.01 MHz	3840 MHz	3939.99 MHz
DFT-S QPSK	1	1	22.6	22.48	22.39
	1	109	22.5	22.39	22.27
	1	215	22.45	22.37	22.25
	108	0	22.6	22.6	22.53
	108	55	23.66	23.54	23.56
	108	109	22.6	22.49	22.44
	216	0	22.21	22.12	21.96
DFT-S 16 QAM	1	1	22.44	22.3	22.21
DFT-S 64 QAM	1	1	20.96	20.73	20.78
DFT-S 256 QAM	1	1	19.07	18.91	18.93

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.66**	26.88	30
16 QAM	**22.44**	25.66	30
64 QAM	**20.96**	24.18	30
256 QAM	**19.07**	22.29	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 90 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649668	CH 656000	CH 662332
			3745.02 MHz	3840 MHz	3934.98 MHz
DFT-S QPSK	1	1	22.56	22.45	22.37
	1	123	22.52	22.29	22.27
	1	243	22.41	22.38	22.28
	120	0	22.64	22.52	22.47
	120	63	23.66	23.51	23.58
	120	125	22.51	22.39	22.42
	243	0	22.23	22.14	22.01
DFT-S 16 QAM	1	1	22.4	22.27	22.3
DFT-S 64 QAM	1	1	20.96	20.73	20.72
DFT-S 256 QAM	1	1	19	18.91	18.93

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.66**	26.88	30
16 QAM	**22.4**	25.62	30
64 QAM	**20.96**	24.18	30
256 QAM	**19**	22.22	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 0, Channel Bandwidth: 100 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 650000	CH 656000	CH 662000
			3750 MHz	3840 MHz	3930 MHz
DFT-S QPSK	1	1	22.6	22.5	22.46
	1	137	22.52	22.39	22.34
	1	271	22.48	22.39	22.33
	135	0	22.69	22.6	22.54
	135	69	23.74	23.56	23.6
	135	138	22.61	22.49	22.47
	270	0	22.27	22.16	22.05
DFT-S 16 QAM	1	1	22.46	22.37	22.31
DFT-S 64 QAM	1	1	20.99	20.8	20.82
DFT-S 256 QAM	1	1	19.07	18.93	18.93

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.74**	26.96	30
16 QAM	**22.46**	25.68	30
64 QAM	**20.99**	24.21	30
256 QAM	**19.07**	22.29	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.7 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) – MIMO (Chain 1)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 10 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647000	CH 656000	CH 665000
			3705 MHz	3840 MHz	3975 MHz
DFT-S QPSK	1	1	22.72	22.53	22.57
	1	11	22.6	22.51	22.47
	1	22	22.51	22.44	22.42
	12	0	22.69	22.46	22.57
	12	6	23.68	23.52	23.52
	12	12	22.59	22.5	22.48
	24	0	22.49	22.36	22.31
DFT-S 16 QAM	1	1	22.59	22.52	22.42
DFT-S 64 QAM	1	1	20.93	20.81	20.84
DFT-S 256 QAM	1	1	19.15	19	18.98

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.68**	26.9	30
16 QAM	**22.59**	25.81	30
64 QAM	**20.93**	24.15	30
256 QAM	**19.15**	22.37	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 15 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647168	CH 656000	CH 664832
			3707.52 MHz	3840 MHz	3972.48 MHz
DFT-S QPSK	1	1	22.65	22.5	22.55
	1	19	22.56	22.49	22.45
	1	36	22.6	22.46	22.38
	18	0	22.69	22.44	22.49
	18	10	23.77	23.54	23.5
	18	20	22.58	22.55	22.49
	36	0	22.5	22.35	22.29
DFT-S 16 QAM	1	1	22.62	22.45	22.43
DFT-S 64 QAM	1	1	20.99	20.86	20.85
DFT-S 256 QAM	1	1	19.12	18.98	19

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.77**	26.99	30
16 QAM	**22.62**	25.84	30
64 QAM	**20.99**	24.21	30
256 QAM	**19.12**	22.34	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 20 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647334	CH 656000	CH 664666
			3710.01 MHz	3840 MHz	3969.99 MHz
DFT-S QPSK	1	1	22.69	22.55	22.56
	1	26	22.64	22.55	22.43
	1	49	22.6	22.46	22.41
	25	0	22.63	22.47	22.52
	25	13	23.71	23.6	23.47
	25	26	22.62	22.46	22.46
	50	0	22.55	22.33	22.32
DFT-S 16 QAM	1	1	22.64	22.51	22.4
DFT-S 64 QAM	1	1	20.96	20.84	20.8
DFT-S 256 QAM	1	1	19.18	19.01	19.02

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.71**	26.93	30
16 QAM	**22.64**	25.86	30
64 QAM	**20.96**	24.18	30
256 QAM	**19.18**	22.4	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 25 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647500	CH 656000	CH 664500
			3712.5 MHz	3840 MHz	3967.5 MHz
DFT-S QPSK	1	1	22.73	22.52	22.52
	1	33	22.64	22.55	22.42
	1	63	22.5	22.4	22.44
	32	0	22.66	22.51	22.54
	32	17	23.71	23.57	23.55
	32	33	22.66	22.54	22.49
	64	0	22.52	22.35	22.39
DFT-S 16 QAM	1	1	22.68	22.49	22.41
DFT-S 64 QAM	1	1	21.01	20.81	20.81
DFT-S 256 QAM	1	1	19.09	19.02	19.03

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.71**	26.93	30
16 QAM	**22.68**	25.9	30
64 QAM	**21.01**	24.23	30
256 QAM	**19.09**	22.31	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 30 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647668	CH 656000	CH 664332
			3715.02 MHz	3840 MHz	3964.98 MHz
DFT-S QPSK	1	1	22.69	22.55	22.61
	1	39	22.63	22.49	22.42
	1	76	22.57	22.4	22.46
	36	0	22.64	22.44	22.52
	36	21	23.76	23.61	23.55
	36	42	22.61	22.49	22.45
	75	0	22.52	22.38	22.35
DFT-S 16 QAM	1	1	22.58	22.47	22.47
DFT-S 64 QAM	1	1	20.95	20.86	20.77
DFT-S 256 QAM	1	1	19.16	18.98	18.97

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.76**	26.98	30
16 QAM	**22.58**	25.8	30
64 QAM	**20.95**	24.17	30
256 QAM	**19.16**	22.38	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 40 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648000	CH 656000	CH 664000
			3720 MHz	3840 MHz	3960 MHz
DFT-S QPSK	1	1	22.67	22.48	22.52
	1	53	22.63	22.49	22.4
	1	104	22.55	22.43	22.43
	50	0	22.71	22.44	22.54
	50	28	23.67	23.56	23.47
	50	56	22.65	22.51	22.41
	100	0	22.51	22.34	22.36
DFT-S 16 QAM	1	1	22.62	22.54	22.48
DFT-S 64 QAM	1	1	20.93	20.78	20.82
DFT-S 256 QAM	1	1	19.17	19.02	19.02

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.67**	26.89	30
16 QAM	**22.62**	25.84	30
64 QAM	**20.93**	24.15	30
256 QAM	**19.17**	22.39	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 50 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648334	CH 656000	CH 663666
			3725.01 MHz	3840 MHz	3954.99 MHz
DFT-S QPSK	1	1	22.67	22.49	22.6
	1	67	22.62	22.46	22.43
	1	131	22.55	22.38	22.46
	64	0	22.65	22.45	22.56
	64	35	23.76	23.52	23.49
	64	69	22.6	22.49	22.43
	128	0	22.56	22.37	22.38
DFT-S 16 QAM	1	1	22.67	22.48	22.43
DFT-S 64 QAM	1	1	20.99	20.82	20.77
DFT-S 256 QAM	1	1	19.13	19.04	19.01

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.76**	26.98	30
16 QAM	**22.67**	25.89	30
64 QAM	**20.99**	24.21	30
256 QAM	**19.13**	22.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 60 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648668	CH 656000	CH 663332
			3730.02 MHz	3840 MHz	3949.98 MHz
DFT-S QPSK	1	1	22.69	22.5	22.55
	1	81	22.58	22.51	22.4
	1	160	22.6	22.43	22.42
	81	0	22.64	22.5	22.56
	81	41	23.7	23.57	23.46
	81	81	22.61	22.49	22.49
	162	0	22.52	22.34	22.31
DFT-S 16 QAM	1	1	22.6	22.48	22.41
DFT-S 64 QAM	1	1	20.93	20.8	20.81
DFT-S 256 QAM	1	1	19.16	19.04	19.03

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.7**	26.92	30
16 QAM	**22.6**	25.82	30
64 QAM	**20.93**	24.15	30
256 QAM	**19.16**	22.38	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 70 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649000	CH 656000	CH 663000
			3735 MHz	3840 MHz	3945 MHz
DFT-S QPSK	1	1	22.63	22.51	22.57
	1	95	22.59	22.47	22.49
	1	187	22.54	22.38	22.45
	90	0	22.67	22.46	22.56
	90	50	23.67	23.57	23.56
	90	99	22.67	22.48	22.49
	180	0	22.56	22.39	22.35
DFT-S 16 QAM	1	1	22.61	22.48	22.41
DFT-S 64 QAM	1	1	21.02	20.77	20.82
DFT-S 256 QAM	1	1	19.1	19.01	18.96

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.67**	26.89	30
16 QAM	**22.61**	25.83	30
64 QAM	**21.02**	24.24	30
256 QAM	**19.1**	22.32	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 80 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649334	CH 656000	CH 662666
			3740.01 MHz	3840 MHz	3939.99 MHz
DFT-S QPSK	1	1	22.68	22.57	22.58
	1	109	22.6	22.49	22.49
	1	215	22.53	22.42	22.46
	108	0	22.61	22.5	22.56
	108	55	23.77	23.52	23.52
	108	109	22.64	22.51	22.48
	216	0	22.51	22.3	22.3
DFT-S 16 QAM	1	1	22.65	22.53	22.46
DFT-S 64 QAM	1	1	21	20.86	20.77
DFT-S 256 QAM	1	1	19.08	18.99	19.02

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.77**	26.99	30
16 QAM	**22.65**	25.87	30
64 QAM	**21**	24.22	30
256 QAM	**19.08**	22.3	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 90 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649668	CH 656000	CH 662332
			3745.02 MHz	3840 MHz	3934.98 MHz
DFT-S QPSK	1	1	22.7	22.53	22.61
	1	123	22.62	22.51	22.42
	1	243	22.59	22.47	22.44
	120	0	22.67	22.47	22.53
	120	63	23.68	23.53	23.55
	120	125	22.65	22.5	22.4
	243	0	22.49	22.4	22.29
DFT-S 16 QAM	1	1	22.61	22.49	22.47
DFT-S 64 QAM	1	1	20.93	20.76	20.79
DFT-S 256 QAM	1	1	19.14	19.05	18.94

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.68**	26.9	30
16 QAM	**22.61**	25.83	30
64 QAM	**20.93**	24.15	30
256 QAM	**19.14**	22.36	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) Chain 1, Channel Bandwidth: 100 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 100M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 650000	CH 656000	CH 662000
			3750 MHz	3840 MHz	3930 MHz
DFT-S QPSK	1	1	22.73	22.57	22.61
	1	137	22.65	22.56	22.49
	1	271	22.6	22.47	22.47
	135	0	22.71	22.52	22.59
	135	69	23.77	23.61	23.56
	135	138	22.67	22.56	22.49
	270	0	22.57	22.4	22.39
DFT-S 16 QAM	1	1	22.68	22.55	22.49
DFT-S 64 QAM	1	1	21.03	20.86	20.86
DFT-S 256 QAM	1	1	19.18	19.05	19.04

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.77**	26.99	30
16 QAM	**22.68**	25.9	30
64 QAM	**21.03**	24.25	30
256 QAM	**19.18**	22.4	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.8 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) – MIMO (Total)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 10 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647000	CH 656000	CH 665000
			3705 MHz	3840 MHz	3975 MHz
DFT-S QPSK	1	1	25.66	25.52	25.50
	1	11	25.56	25.41	25.40
	1	22	25.46	25.42	25.38
	12	0	25.67	25.50	25.56
	12	6	26.70	26.50	26.53
	12	12	25.59	25.50	25.44
	24	0	25.39	25.27	25.14
DFT-S 16 QAM	1	1	25.49	25.44	25.37
DFT-S 64 QAM	1	1	23.97	23.77	23.84
DFT-S 256 QAM	1	1	22.12	21.97	21.97

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.7**	29.92	30
16 QAM	**25.49**	28.71	30
64 QAM	**23.97**	27.19	30
256 QAM	**22.12**	25.34	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 15 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647168	CH 656000	CH 664832
			3707.52 MHz	3840 MHz	3972.48 MHz
DFT-S QPSK	1	1	25.64	25.47	25.50
	1	19	25.53	25.44	25.40
	1	36	25.54	25.40	25.33
	18	0	25.69	25.50	25.52
	18	10	26.73	26.54	26.56
	18	20	25.60	25.49	25.47
	36	0	25.35	25.23	25.18
DFT-S 16 QAM	1	1	25.52	25.38	25.35
DFT-S 64 QAM	1	1	24.00	23.80	23.83
DFT-S 256 QAM	1	1	22.07	21.95	21.96

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.73**	29.95	30
16 QAM	**25.52**	28.74	30
64 QAM	**24**	27.22	30
256 QAM	**22.07**	25.29	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 20 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647334	CH 656000	CH 664666
			3710.01 MHz	3840 MHz	3969.99 MHz
DFT-S QPSK	1	1	25.63	25.50	25.51
	1	26	25.58	25.44	25.38
	1	49	25.55	25.44	25.34
	25	0	25.63	25.53	25.53
	25	13	26.74	26.57	26.53
	25	26	25.63	25.46	25.43
	50	0	25.41	25.25	25.16
DFT-S 16 QAM	1	1	25.51	25.43	25.33
DFT-S 64 QAM	1	1	23.94	23.78	23.82
DFT-S 256 QAM	1	1	22.13	21.95	21.94

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.74**	29.96	30
16 QAM	**25.51**	28.73	30
64 QAM	**23.94**	27.16	30
256 QAM	**22.13**	25.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 25 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647500	CH 656000	CH 664500
			3712.5 MHz	3840 MHz	3967.5 MHz
DFT-S QPSK	1	1	25.66	25.52	25.46
	1	33	25.57	25.46	25.37
	1	63	25.50	25.38	25.35
	32	0	25.64	25.53	25.55
	32	17	26.71	26.54	26.57
	32	33	25.62	25.51	25.46
	64	0	25.37	25.24	25.21
DFT-S 16 QAM	1	1	25.54	25.40	25.37
DFT-S 64 QAM	1	1	24.01	23.79	23.81
DFT-S 256 QAM	1	1	22.04	21.94	21.96

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.71**	29.93	30
16 QAM	**25.54**	28.76	30
64 QAM	**24.01**	27.23	30
256 QAM	**22.04**	25.26	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 30 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647668	CH 656000	CH 664332
			3715.02 MHz	3840 MHz	3964.98 MHz
DFT-S QPSK	1	1	25.64	25.49	25.54
	1	39	25.55	25.44	25.38
	1	76	25.49	25.36	25.39
	36	0	25.66	25.53	25.50
	36	21	26.73	26.56	26.56
	36	42	25.58	25.50	25.44
	75	0	25.40	25.27	25.21
DFT-S 16 QAM	1	1	25.48	25.38	25.38
DFT-S 64 QAM	1	1	23.95	23.80	23.76
DFT-S 256 QAM	1	1	22.12	21.94	21.94

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.73**	29.95	30
16 QAM	**25.48**	28.7	30
64 QAM	**23.95**	27.17	30
256 QAM	**22.12**	25.34	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 40 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648000	CH 656000	CH 664000
			3720 MHz	3840 MHz	3960 MHz
DFT-S QPSK	1	1	25.61	25.50	25.47
	1	53	25.57	25.43	25.37
	1	104	25.48	25.41	25.37
	50	0	25.69	25.52	25.53
	50	28	26.67	26.55	26.51
	50	56	25.62	25.50	25.45
	100	0	25.39	25.26	25.17
DFT-S 16 QAM	1	1	25.53	25.42	25.41
DFT-S 64 QAM	1	1	23.94	23.76	23.79
DFT-S 256 QAM	1	1	22.10	21.95	21.98

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.67**	29.89	30
16 QAM	**25.53**	28.75	30
64 QAM	**23.94**	27.16	30
256 QAM	**22.1**	25.32	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 50 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648334	CH 656000	CH 663666
			3725.01 MHz	3840 MHz	3954.99 MHz
DFT-S QPSK	1	1	25.62	25.49	25.52
	1	67	25.57	25.44	25.38
	1	131	25.51	25.38	25.37
	64	0	25.68	25.53	25.56
	64	35	26.76	26.50	26.56
	64	69	25.62	25.49	25.44
	128	0	25.42	25.27	25.23
DFT-S 16 QAM	1	1	25.57	25.42	25.38
DFT-S 64 QAM	1	1	23.98	23.79	23.79
DFT-S 256 QAM	1	1	22.06	21.98	21.95

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.76**	29.98	30
16 QAM	**25.57**	28.79	30
64 QAM	**23.98**	27.2	30
256 QAM	**22.06**	25.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 60 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648668	CH 656000	CH 663332
			3730.02 MHz	3840 MHz	3949.98 MHz
DFT-S QPSK	1	1	25.63	25.49	25.48
	1	81	25.56	25.43	25.33
	1	160	25.52	25.42	25.36
	81	0	25.64	25.54	25.51
	81	41	26.70	26.55	26.50
	81	81	25.59	25.50	25.46
	162	0	25.40	25.24	25.17
DFT-S 16 QAM	1	1	25.50	25.41	25.34
DFT-S 64 QAM	1	1	23.97	23.79	23.81
DFT-S 256 QAM	1	1	22.11	22.00	21.96

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.7**	29.92	30
16 QAM	**25.5**	28.72	30
64 QAM	**23.97**	27.19	30
256 QAM	**22.11**	25.33	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 70 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649000	CH 656000	CH 663000
			3735 MHz	3840 MHz	3945 MHz
DFT-S QPSK	1	1	25.61	25.48	25.50
	1	95	25.53	25.42	25.41
	1	187	25.50	25.37	25.40
	90	0	25.69	25.50	25.53
	90	50	26.71	26.54	26.55
	90	99	25.61	25.48	25.47
	180	0	25.39	25.27	25.20
DFT-S 16 QAM	1	1	25.54	25.39	25.37
DFT-S 64 QAM	1	1	23.99	23.77	23.79
DFT-S 256 QAM	1	1	22.06	21.93	21.91

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.71**	29.93	30
16 QAM	**25.54**	28.76	30
64 QAM	**23.99**	27.21	30
256 QAM	**22.06**	25.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 80 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649334	CH 656000	CH 662666
			3740.01 MHz	3840 MHz	3939.99 MHz
DFT-S QPSK	1	1	25.65	25.54	25.50
	1	109	25.56	25.45	25.39
	1	215	25.50	25.41	25.37
	108	0	25.62	25.56	25.56
	108	55	26.73	26.54	26.55
	108	109	25.63	25.51	25.47
	216	0	25.37	25.22	25.14
DFT-S 16 QAM	1	1	25.56	25.43	25.35
DFT-S 64 QAM	1	1	23.99	23.81	23.79
DFT-S 256 QAM	1	1	22.09	21.96	21.99

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.73**	29.95	30
16 QAM	**25.56**	28.78	30
64 QAM	**23.99**	27.21	30
256 QAM	**22.09**	25.31	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 90 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649668	CH 656000	CH 662332
			3745.02 MHz	3840 MHz	3934.98 MHz
DFT-S QPSK	1	1	25.64	25.50	25.50
	1	123	25.58	25.41	25.36
	1	243	25.51	25.44	25.37
	120	0	25.67	25.51	25.51
	120	63	26.68	26.53	26.58
	120	125	25.59	25.46	25.42
	243	0	25.37	25.28	25.16
DFT-S 16 QAM	1	1	25.52	25.39	25.40
DFT-S 64 QAM	1	1	23.96	23.76	23.77
DFT-S 256 QAM	1	1	22.08	21.99	21.95

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.68**	29.9	30
16 QAM	**25.52**	28.74	30
64 QAM	**23.96**	27.18	30
256 QAM	**22.08**	25.3	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) MIMO, Channel Bandwidth: 100 MHz

NR n77 SCS 30 kHz (3700-3980 MHz) 100M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 650000	CH 656000	CH 662000
			3750 MHz	3840 MHz	3930 MHz
DFT-S QPSK	1	1	25.68	25.55	25.55
	1	137	25.60	25.49	25.43
	1	271	25.55	25.44	25.41
	135	0	25.71	25.57	25.58
	135	69	26.77	26.60	26.59
	135	138	25.65	25.54	25.49
	270	0	25.43	25.29	25.23
DFT-S 16 QAM	1	1	25.58	25.47	25.41
DFT-S 64 QAM	1	1	24.02	23.84	23.85
DFT-S 256 QAM	1	1	22.14	22.00	22.00

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**26.77**	29.99	30
16 QAM	**25.58**	28.8	30
64 QAM	**24.02**	27.24	30
256 QAM	**22.14**	25.36	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.9 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – SISO (PC2)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 10 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
DFT-S P1/2 BPSK	1	1	23.44	23.57	23.53
DFT-S QPSK	1	1	23.51	23.57	23.46
	1	11	23.52	23.49	23.41
	1	22	23.44	23.54	23.42
	12	0	22.28	22.35	22.34
	12	6	23.24	23.3	23.21
	12	12	22.42	22.39	22.43
	24	0	22.35	22.42	22.33
DFT-S 16 QAM	1	1	22.17	22.19	22.28
DFT-S 64 QAM	1	1	20.58	20.61	20.57
DFT-S 256 QAM	1	1	18.82	18.9	18.83
CP QPSK	1	1	21.83	21.89	21.88

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.57**	26.79	30
QPSK	**23.57**	26.79	30
16 QAM	**22.28**	25.5	30
64 QAM	**20.61**	23.83	30
256 QAM	**18.9**	22.12	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 15 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
DFT-S P1/2 BPSK	1	1	23.42	23.5	23.53
DFT-S QPSK	1	1	23.58	23.58	23.5
	1	19	23.48	23.55	23.43
	1	36	23.47	23.46	23.4
	18	0	22.32	22.45	22.27
	18	10	23.22	23.34	23.22
	18	20	22.38	22.39	22.42
	36	0	22.36	22.49	22.35
DFT-S 16 QAM	1	1	22.16	22.27	22.25
DFT-S 64 QAM	1	1	20.62	20.71	20.56
DFT-S 256 QAM	1	1	18.87	18.92	18.74
CP QPSK	1	1	21.84	21.94	21.81

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.53**	26.75	30
QPSK	**23.58**	26.8	30
16 QAM	**22.27**	25.49	30
64 QAM	**20.71**	23.93	30
256 QAM	**18.92**	22.14	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 20 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
DFT-S P1/2 BPSK	1	1	23.45	23.5	23.51
DFT-S QPSK	1	1	23.56	23.57	23.48
	1	26	23.43	23.55	23.4
	1	49	23.41	23.47	23.4
	25	0	22.3	22.35	22.36
	25	13	23.22	23.34	23.3
	25	26	22.34	22.39	22.34
	50	0	22.4	22.42	22.34
DFT-S 16 QAM	1	1	22.23	22.21	22.27
DFT-S 64 QAM	1	1	20.6	20.61	20.57
DFT-S 256 QAM	1	1	18.82	18.83	18.73
CP QPSK	1	1	21.83	21.96	21.79

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.51**	26.73	30
QPSK	**23.57**	26.79	30
16 QAM	**22.27**	25.49	30
64 QAM	**20.61**	23.83	30
256 QAM	**18.83**	22.05	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 25 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630834	CH 633332	CH 635832
			3462.51 MHz	3500.01 MHz	3537.48 MHz
DFT-S P1/2 BPSK	1	1	23.4	23.57	23.52
DFT-S QPSK	1	1	23.51	23.52	23.54
	1	33	23.51	23.5	23.38
	1	63	23.45	23.5	23.37
	32	0	22.3	22.37	22.32
	32	17	23.27	23.34	23.29
	32	33	22.4	22.4	22.44
	64	0	22.41	22.4	22.39
DFT-S 16 QAM	1	1	22.17	22.2	22.22
DFT-S 64 QAM	1	1	20.6	20.65	20.65
DFT-S 256 QAM	1	1	18.85	18.92	18.74
CP QPSK	1	1	21.84	21.94	21.8

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.57**	26.79	30
QPSK	**23.54**	26.76	30
16 QAM	**22.22**	25.44	30
64 QAM	**20.65**	23.87	30
256 QAM	**18.92**	22.14	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 30 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
DFT-S P1/2 BPSK	1	1	23.39	23.51	23.43
DFT-S QPSK	1	1	23.53	23.51	23.52
	1	39	23.46	23.54	23.4
	1	76	23.4	23.46	23.38
	36	0	22.35	22.38	22.35
	36	21	23.26	23.26	23.25
	36	42	22.36	22.39	22.37
	75	0	22.37	22.41	22.41
DFT-S 16 QAM	1	1	22.21	22.24	22.27
DFT-S 64 QAM	1	1	20.67	20.63	20.56
DFT-S 256 QAM	1	1	18.9	18.88	18.73
CP QPSK	1	1	21.82	21.95	21.84

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.51**	26.73	30
QPSK	**23.54**	26.76	30
16 QAM	**22.27**	25.49	30
64 QAM	**20.67**	23.89	30
256 QAM	**18.9**	22.12	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 40 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
DFT-S P1/2 BPSK	1	1	23.47	23.5	23.52
DFT-S QPSK	1	1	23.57	23.58	23.47
	1	53	23.43	23.52	23.39
	1	104	23.41	23.51	23.45
	50	0	22.32	22.36	22.27
	50	28	23.21	23.33	23.27
	50	56	22.4	22.36	22.36
	100	0	22.36	22.42	22.35
DFT-S 16 QAM	1	1	22.25	22.25	22.25
DFT-S 64 QAM	1	1	20.58	20.68	20.56
DFT-S 256 QAM	1	1	18.89	18.86	18.76
CP QPSK	1	1	21.79	21.96	21.88

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.52**	26.74	30
QPSK	**23.58**	26.8	30
16 QAM	**22.25**	25.47	30
64 QAM	**20.68**	23.9	30
256 QAM	**18.89**	22.11	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 50 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
DFT-S P1/2 BPSK	1	1	23.42	23.59	23.51
DFT-S QPSK	1	1	23.48	23.61	23.46
	1	67	23.46	23.5	23.44
	1	131	23.39	23.44	23.42
	64	0	22.32	22.41	22.28
	64	35	23.18	23.27	23.27
	64	69	22.39	22.39	22.37
	128	0	22.41	22.41	22.4
DFT-S 16 QAM	1	1	22.16	22.29	22.23
DFT-S 64 QAM	1	1	20.63	20.61	20.64
DFT-S 256 QAM	1	1	18.89	18.91	18.76
CP QPSK	1	1	21.89	21.93	21.86

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.59**	26.81	30
QPSK	**23.61**	26.83	30
16 QAM	**22.29**	25.51	30
64 QAM	**20.64**	23.86	30
256 QAM	**18.91**	22.13	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 60 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
DFT-S P1/2 BPSK	1	1	23.46	23.51	23.46
DFT-S QPSK	1	1	23.53	23.6	23.46
	1	81	23.51	23.56	23.46
	1	160	23.48	23.45	23.38
	81	0	22.35	22.45	22.3
	81	41	23.25	23.24	23.21
	81	81	22.33	22.42	22.44
	162	0	22.4	22.42	22.35
DFT-S 16 QAM	1	1	22.23	22.23	22.18
DFT-S 64 QAM	1	1	20.67	20.64	20.65
DFT-S 256 QAM	1	1	18.91	18.83	18.73
CP QPSK	1	1	21.8	21.88	21.84

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.51**	26.73	30
QPSK	**23.6**	26.82	30
16 QAM	**22.23**	25.45	30
64 QAM	**20.67**	23.89	30
256 QAM	**18.91**	22.13	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 70 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
DFT-S P1/2 BPSK	1	1	23.47	23.52	23.44
DFT-S QPSK	1	1	23.56	23.56	23.5
	1	95	23.42	23.56	23.46
	1	187	23.49	23.44	23.43
	90	0	22.28	22.44	22.29
	90	50	23.27	23.27	23.24
	90	99	22.39	22.36	22.43
	180	0	22.41	22.42	22.42
DFT-S 16 QAM	1	1	22.19	22.21	22.28
DFT-S 64 QAM	1	1	20.67	20.62	20.57
DFT-S 256 QAM	1	1	18.84	18.85	18.76
CP QPSK	1	1	21.81	21.97	21.79

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.52**	26.74	30
QPSK	**23.56**	26.78	30
16 QAM	**22.28**	25.5	30
64 QAM	**20.67**	23.89	30
256 QAM	**18.85**	22.07	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 80 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
DFT-S P1/2 BPSK	1	1	23.45	23.58	23.46
DFT-S QPSK	1	1	23.56	23.53	23.53
	1	109	23.45	23.46	23.41
	1	215	23.49	23.51	23.46
	108	0	22.33	22.37	22.3
	108	55	23.23	23.3	23.23
	108	109	22.4	22.39	22.38
	216	0	22.32	22.46	22.37
DFT-S 16 QAM	1	1	22.26	22.25	22.24
DFT-S 64 QAM	1	1	20.65	20.63	20.55
DFT-S 256 QAM	1	1	18.86	18.85	18.73
CP QPSK	1	1	21.79	21.95	21.85

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.58**	26.8	30
QPSK	**23.56**	26.78	30
16 QAM	**22.26**	25.48	30
64 QAM	**20.65**	23.87	30
256 QAM	**18.86**	22.08	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 90 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
DFT-S P1/2 BPSK	1	1	23.4	23.59	23.52
DFT-S QPSK	1	1	23.52	23.59	23.49
	1	123	23.47	23.49	23.47
	1	243	23.43	23.44	23.44
	120	0	22.37	22.44	22.36
	120	63	23.26	23.27	23.24
	120	125	22.32	22.39	22.39
	243	0	22.4	22.47	22.39
DFT-S 16 QAM	1	1	22.18	22.27	22.26
DFT-S 64 QAM	1	1	20.63	20.66	20.62
DFT-S 256 QAM	1	1	18.84	18.91	18.75
CP QPSK	1	1	21.85	21.9	21.86

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.59**	26.81	30
QPSK	**23.59**	26.81	30
16 QAM	**22.27**	25.49	30
64 QAM	**20.66**	23.88	30
256 QAM	**18.91**	22.13	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) PC2, Channel Bandwidth: 100 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 100M			
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S P1/2 BPSK	1	1	23.59
DFT-S QPSK	1	1	23.61
	1	137	23.56
	1	271	23.54
	135	0	22.45
	135	69	23.34
	135	138	22.44
	270	0	22.39
DFT-S 16 QAM	1	1	22.29
DFT-S 64 QAM	1	1	20.71
DFT-S 256 QAM	1	1	18.93
CP QPSK	1	1	21.98

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BPSK	**23.59**	26.81	30
QPSK	**23.61**	26.83	30
16 QAM	**22.29**	25.51	30
64 QAM	**20.71**	23.93	30
256 QAM	**18.93**	22.15	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.10 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO (Chain 0)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
DFT-S QPSK	1	1	21.22	21.15	21.2
	1	11	21.03	20.99	20.97
	1	22	21.11	21.09	21.09
	12	0	19.82	19.79	19.74
	12	6	20.83	20.84	20.82
	12	12	19.81	19.75	19.76
	24	0	19.83	19.86	19.86
DFT-S 16 QAM	1	1	19.62	19.66	19.72
DFT-S 64 QAM	1	1	17.23	17.21	17.3
DFT-S 256 QAM	1	1	15.06	15.06	15.1

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.22**	24.44	30
16 QAM	**19.72**	22.94	30
64 QAM	**17.3**	20.52	30
256 QAM	**15.1**	18.32	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
DFT-S QPSK	1	1	21.17	21.18	21.14
	1	19	21.07	21.05	20.97
	1	36	21.04	21.01	21.08
	18	0	19.78	19.82	19.75
	18	10	20.76	20.83	20.77
	18	20	19.84	19.85	19.79
	36	0	19.87	19.86	19.86
DFT-S 16 QAM	1	1	19.65	19.7	19.62
DFT-S 64 QAM	1	1	17.3	17.29	17.26
DFT-S 256 QAM	1	1	15.07	15.04	15.04

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.18**	24.4	30
16 QAM	**19.7**	22.92	30
64 QAM	**17.3**	20.52	30
256 QAM	**15.07**	18.29	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
DFT-S QPSK	1	1	21.21	21.2	21.21
	1	26	21.04	21.06	20.99
	1	49	21.02	21.1	21.01
	25	0	19.74	19.79	19.75
	25	13	20.84	20.81	20.77
	25	26	19.81	19.85	19.82
	50	0	19.86	19.86	19.79
DFT-S 16 QAM	1	1	19.63	19.65	19.63
DFT-S 64 QAM	1	1	17.21	17.24	17.29
DFT-S 256 QAM	1	1	15.04	15.05	15.05

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.21	24.43	30
16 QAM	19.65	22.87	30
64 QAM	17.29	20.51	30
256 QAM	15.05	18.27	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 25 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630834	CH 633332	CH 635832
			3462.51 MHz	3500.01 MHz	3537.48 MHz
DFT-S QPSK	1	1	21.15	21.21	21.15
	1	33	20.98	21.01	21.06
	1	63	21.1	21.08	21.11
	32	0	19.81	19.8	19.74
	32	17	20.77	20.81	20.84
	32	33	19.77	19.79	19.77
	64	0	19.82	19.86	19.84
DFT-S 16 QAM	1	1	19.67	19.66	19.63
DFT-S 64 QAM	1	1	17.28	17.21	17.28
DFT-S 256 QAM	1	1	15.03	15.09	15.06

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.21**	24.43	30
16 QAM	**19.67**	22.89	30
64 QAM	**17.28**	20.5	30
256 QAM	**15.09**	18.31	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
DFT-S QPSK	1	1	21.18	21.2	21.22
	1	39	21.07	21.07	21.02
	1	76	21.01	21.08	21.08
	36	0	19.78	19.83	19.8
	36	21	20.83	20.76	20.83
	36	42	19.76	19.82	19.84
	75	0	19.81	19.8	19.77
DFT-S 16 QAM	1	1	19.66	19.62	19.68
DFT-S 64 QAM	1	1	17.26	17.24	17.3
DFT-S 256 QAM	1	1	15.05	15.06	15.13

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.22**	24.44	30
16 QAM	**19.68**	22.9	30
64 QAM	**17.3**	20.52	30
256 QAM	**15.13**	18.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
DFT-S QPSK	1	1	21.16	21.19	21.22
	1	53	21.07	21.04	21.07
	1	104	21.04	21.01	21.11
	50	0	19.76	19.73	19.79
	50	28	20.74	20.74	20.78
	50	56	19.76	19.84	19.76
	100	0	19.78	19.78	19.87
DFT-S 16 QAM	1	1	19.65	19.64	19.63
DFT-S 64 QAM	1	1	17.26	17.29	17.21
DFT-S 256 QAM	1	1	15.1	15.03	15.09

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.22**	24.44	30
16 QAM	**19.65**	22.87	30
64 QAM	**17.29**	20.51	30
256 QAM	**15.1**	18.32	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 50 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
DFT-S QPSK	1	1	21.15	21.21	21.17
	1	67	21.02	20.97	20.97
	1	131	21.02	21.02	21.03
	64	0	19.76	19.81	19.81
	64	35	20.82	20.82	20.8
	64	69	19.83	19.82	19.83
	128	0	19.85	19.77	19.83
DFT-S 16 QAM	1	1	19.69	19.62	19.71
DFT-S 64 QAM	1	1	17.25	17.23	17.25
DFT-S 256 QAM	1	1	15.13	15.08	15.05

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.21**	24.43	30
16 QAM	**19.71**	22.93	30
64 QAM	**17.25**	20.47	30
256 QAM	**15.13**	18.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 60 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
DFT-S QPSK	1	1	21.23	21.17	21.2
	1	81	21.06	20.97	21.05
	1	160	21.1	21.07	21.08
	81	0	19.82	19.77	19.76
	81	41	20.78	20.77	20.82
	81	81	19.83	19.85	19.83
	162	0	19.8	19.8	19.78
DFT-S 16 QAM	1	1	19.69	19.62	19.68
DFT-S 64 QAM	1	1	17.27	17.3	17.29
DFT-S 256 QAM	1	1	15.05	15.09	15.04

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.23**	24.45	30
16 QAM	**19.69**	22.91	30
64 QAM	**17.3**	20.52	30
256 QAM	**15.09**	18.31	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 70 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
DFT-S QPSK	1	1	21.17	21.19	21.15
	1	95	21.04	21.04	21
	1	187	21.06	21.08	21.11
	90	0	19.79	19.77	19.81
	90	50	20.78	20.82	20.81
	90	99	19.78	19.85	19.76
	180	0	19.81	19.87	19.8
DFT-S 16 QAM	1	1	19.63	19.64	19.66
DFT-S 64 QAM	1	1	17.21	17.2	17.25
DFT-S 256 QAM	1	1	15.11	15.05	15.1

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.19**	24.41	30
16 QAM	**19.66**	22.88	30
64 QAM	**17.25**	20.47	30
256 QAM	**15.11**	18.33	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 80 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
DFT-S QPSK	1	1	21.19	21.21	21.14
	1	109	21	21.03	21.06
	1	215	21.01	21.11	21.11
	108	0	19.81	19.77	19.8
	108	55	20.84	20.77	20.74
	108	109	19.84	19.82	19.8
	216	0	19.83	19.84	19.81
DFT-S 16 QAM	1	1	19.63	19.69	19.62
DFT-S 64 QAM	1	1	17.2	17.28	17.27
DFT-S 256 QAM	1	1	15.09	15.05	15.12

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.21**	24.43	30
16 QAM	**19.69**	22.91	30
64 QAM	**17.28**	20.5	30
256 QAM	**15.12**	18.34	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 90 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
DFT-S QPSK	1	1	21.24	21.2	21.17
	1	123	20.97	21.06	21.01
	1	243	21.05	21.02	21.1
	120	0	19.79	19.78	19.74
	120	63	20.77	20.76	20.84
	120	125	19.78	19.79	19.78
	243	0	19.82	19.81	19.81
DFT-S 16 QAM	1	1	19.64	19.72	19.63
DFT-S 64 QAM	1	1	17.22	17.26	17.2
DFT-S 256 QAM	1	1	15.1	15.04	15.1

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.24**	24.46	30
16 QAM	**19.72**	22.94	30
64 QAM	**17.26**	20.48	30
256 QAM	**15.1**	18.32	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 0, Channel Bandwidth: 100 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S QPSK	1	1	21.24
	1	137	21.07
	1	271	21.11
	135	0	19.83
	135	69	20.84
	135	138	19.85
	270	0	19.87
DFT-S 16 QAM	1	1	19.72
DFT-S 64 QAM	1	1	17.3
DFT-S 256 QAM	1	1	15.13

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**21.24**	24.46	30
16 QAM	**19.72**	22.94	30
64 QAM	**17.3**	20.52	30
256 QAM	**15.13**	18.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.11 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO (Chain 1)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 10 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
DFT-S QPSK	1	1	20.56	20.53	20.56
	1	11	20.45	20.45	20.52
	1	22	20.46	20.49	20.45
	12	0	19.65	19.61	19.64
	12	6	20.54	20.5	20.47
	12	12	19.5	19.55	19.54
	24	0	19.61	19.58	19.55
DFT-S 16 QAM	1	1	19.54	19.61	19.57
DFT-S 64 QAM	1	1	17.07	17.07	16.99
DFT-S 256 QAM	1	1	15	14.97	14.99

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.56**	23.78	30
16 QAM	**19.61**	22.83	30
64 QAM	**17.07**	20.29	30
256 QAM	**15**	18.22	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 15 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
DFT-S QPSK	1	1	20.58	20.55	20.49
	1	19	20.52	20.52	20.52
	1	36	20.46	20.44	20.52
	18	0	19.58	19.63	19.61
	18	10	20.54	20.45	20.55
	18	20	19.48	19.48	19.56
	36	0	19.58	19.54	19.52
DFT-S 16 QAM	1	1	19.56	19.56	19.54
DFT-S 64 QAM	1	1	16.99	17.08	16.99
DFT-S 256 QAM	1	1	14.92	14.95	14.95

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.58**	23.8	30
16 QAM	**19.56**	22.78	30
64 QAM	**17.08**	20.3	30
256 QAM	**14.95**	18.17	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 20 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
DFT-S QPSK	1	1	20.52	20.49	20.52
	1	26	20.51	20.55	20.55
	1	49	20.45	20.46	20.5
	25	0	19.55	19.61	19.56
	25	13	20.47	20.46	20.47
	25	26	19.55	19.49	19.51
	50	0	19.55	19.52	19.61
DFT-S 16 QAM	1	1	19.59	19.55	19.54
DFT-S 64 QAM	1	1	16.99	17	16.99
DFT-S 256 QAM	1	1	14.96	14.93	14.94

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.55**	23.77	30
16 QAM	**19.59**	22.81	30
64 QAM	**17**	20.22	30
256 QAM	**14.96**	18.18	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 25 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630834	CH 633332	CH 635832
			3462.51 MHz	3500.01 MHz	3537.48 MHz
DFT-S QPSK	1	1	20.51	20.56	20.52
	1	33	20.5	20.46	20.51
	1	63	20.47	20.46	20.51
	32	0	19.58	19.59	19.63
	32	17	20.54	20.51	20.53
	32	33	19.54	19.57	19.54
	64	0	19.51	19.56	19.52
DFT-S 16 QAM	1	1	19.51	19.56	19.53
DFT-S 64 QAM	1	1	17.02	17	16.99
DFT-S 256 QAM	1	1	14.9	14.91	14.93

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.56**	23.78	30
16 QAM	**19.56**	22.78	30
64 QAM	**17.02**	20.24	30
256 QAM	**14.93**	18.15	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 30 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
DFT-S QPSK	1	1	20.5	20.59	20.57
	1	39	20.55	20.47	20.45
	1	76	20.5	20.47	20.45
	36	0	19.63	19.62	19.61
	36	21	20.52	20.45	20.51
	36	42	19.49	19.48	19.49
	75	0	19.56	19.51	19.52
DFT-S 16 QAM	1	1	19.57	19.6	19.56
DFT-S 64 QAM	1	1	17.09	17.03	17.02
DFT-S 256 QAM	1	1	14.99	14.96	14.93

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.59**	23.81	30
16 QAM	**19.6**	22.82	30
64 QAM	**17.09**	20.31	30
256 QAM	**14.99**	18.21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 40 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
DFT-S QPSK	1	1	20.49	20.57	20.52
	1	53	20.46	20.51	20.48
	1	104	20.53	20.51	20.5
	50	0	19.56	19.57	19.6
	50	28	20.48	20.49	20.51
	50	56	19.57	19.56	19.5
	100	0	19.58	19.6	19.58
DFT-S 16 QAM	1	1	19.58	19.52	19.59
DFT-S 64 QAM	1	1	17.03	17.05	16.99
DFT-S 256 QAM	1	1	14.94	14.91	14.92

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.57**	23.79	30
16 QAM	**19.59**	22.81	30
64 QAM	**17.05**	20.27	30
256 QAM	**14.94**	18.16	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 50 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
DFT-S QPSK	1	1	20.56	20.57	20.56
	1	67	20.53	20.49	20.51
	1	131	20.45	20.48	20.47
	64	0	19.62	19.64	19.56
	64	35	20.47	20.52	20.5
	64	69	19.56	19.48	19.52
	128	0	19.57	19.58	19.52
DFT-S 16 QAM	1	1	19.52	19.59	19.51
DFT-S 64 QAM	1	1	17.08	17.02	17.05
DFT-S 256 QAM	1	1	14.91	14.94	14.9

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.57**	23.79	30
16 QAM	**19.59**	22.81	30
64 QAM	**17.08**	20.3	30
256 QAM	**14.94**	18.16	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 60 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
DFT-S QPSK	1	1	20.51	20.5	20.52
	1	81	20.55	20.52	20.45
	1	160	20.5	20.52	20.51
	81	0	19.63	19.64	19.64
	81	41	20.45	20.46	20.52
	81	81	19.48	19.55	19.55
	162	0	19.57	19.51	19.54
DFT-S 16 QAM	1	1	19.51	19.58	19.57
DFT-S 64 QAM	1	1	17.02	17.02	16.99
DFT-S 256 QAM	1	1	14.91	15	14.9

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.55**	23.77	30
16 QAM	**19.58**	22.8	30
64 QAM	**17.02**	20.24	30
256 QAM	**15**	18.22	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 70 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
DFT-S QPSK	1	1	20.5	20.5	20.52
	1	95	20.52	20.49	20.53
	1	187	20.43	20.46	20.5
	90	0	19.63	19.61	19.63
	90	50	20.54	20.48	20.48
	90	99	19.54	19.5	19.57
	180	0	19.56	19.54	19.57
DFT-S 16 QAM	1	1	19.53	19.61	19.54
DFT-S 64 QAM	1	1	17.05	17.08	17.03
DFT-S 256 QAM	1	1	14.94	14.99	14.9

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.54**	23.76	30
16 QAM	**19.61**	22.83	30
64 QAM	**17.08**	20.3	30
256 QAM	**14.99**	18.21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 80 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
DFT-S QPSK	1	1	20.51	20.53	20.53
	1	109	20.47	20.48	20.48
	1	215	20.49	20.49	20.51
	108	0	19.61	19.63	19.58
	108	55	20.47	20.53	20.47
	108	109	19.48	19.5	19.56
	216	0	19.54	19.53	19.57
DFT-S 16 QAM	1	1	19.57	19.52	19.53
DFT-S 64 QAM	1	1	17.05	17.07	17.05
DFT-S 256 QAM	1	1	14.95	14.91	14.97

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.53**	23.75	30
16 QAM	**19.57**	22.79	30
64 QAM	**17.07**	20.29	30
256 QAM	**14.97**	18.19	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 90 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
DFT-S QPSK	1	1	20.57	20.5	20.56
	1	123	20.53	20.52	20.55
	1	243	20.44	20.43	20.51
	120	0	19.58	19.57	19.55
	120	63	20.48	20.55	20.53
	120	125	19.48	19.54	19.47
	243	0	19.6	19.58	19.55
DFT-S 16 QAM	1	1	19.61	19.59	19.51
DFT-S 64 QAM	1	1	17.09	17.03	17.08
DFT-S 256 QAM	1	1	14.93	14.93	14.91

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.57**	23.79	30
16 QAM	**19.61**	22.83	30
64 QAM	**17.09**	20.31	30
256 QAM	**14.93**	18.15	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) Chain 1, Channel Bandwidth: 100 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 100M			
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S QPSK	1	1	20.59
	1	137	20.55
	1	271	20.53
	135	0	19.65
	135	69	20.55
	135	138	19.57
	270	0	19.61
DFT-S 16 QAM	1	1	19.61
DFT-S 64 QAM	1	1	17.09
DFT-S 256 QAM	1	1	15

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**20.59**	23.81	30
16 QAM	**19.61**	22.83	30
64 QAM	**17.09**	20.31	30
256 QAM	**15**	18.22	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.12 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO (Total)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 10 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
DFT-S QPSK	1	1	23.91	23.86	23.9
	1	11	23.76	23.74	23.76
	1	22	23.81	23.81	23.79
	12	0	22.75	22.71	22.7
	12	6	23.7	23.68	23.66
	12	12	22.67	22.66	22.66
	24	0	22.73	22.73	22.72
DFT-S 16 QAM	1	1	22.59	22.65	22.66
DFT-S 64 QAM	1	1	20.16	20.15	20.16
DFT-S 256 QAM	1	1	18.04	18.03	18.06

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.91**	27.13	30
16 QAM	**22.66**	25.88	30
64 QAM	**20.16**	23.38	30
256 QAM	**18.06**	21.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 15 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
DFT-S QPSK	1	1	23.9	23.89	23.84
	1	19	23.81	23.8	23.76
	1	36	23.77	23.74	23.82
	18	0	22.69	22.74	22.69
	18	10	23.66	23.65	23.67
	18	20	22.67	22.68	22.69
	36	0	22.74	22.71	22.7
DFT-S 16 QAM	1	1	22.62	22.64	22.59
DFT-S 64 QAM	1	1	20.16	20.2	20.14
DFT-S 256 QAM	1	1	18.01	18.01	18.01

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.9**	27.12	30
16 QAM	**22.64**	25.86	30
64 QAM	**20.2**	23.42	30
256 QAM	**18.01**	21.23	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 20 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 20M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
DFT-S QPSK	1	1	23.89	23.87	23.89
	1	26	23.79	23.82	23.79
	1	49	23.75	23.8	23.77
	25	0	22.66	22.71	22.67
	25	13	23.67	23.65	23.63
	25	26	22.69	22.68	22.68
	50	0	22.72	22.7	22.71
DFT-S 16 QAM	1	1	22.62	22.61	22.6
DFT-S 64 QAM	1	1	20.11	20.13	20.15
DFT-S 256 QAM	1	1	18.01	18	18.01

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.89**	27.11	30
16 QAM	**22.62**	25.84	30
64 QAM	**20.15**	23.37	30
256 QAM	**18.01**	21.23	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 25 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 25M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 630834	CH 633332	CH 635832
			3462.51 MHz	3500.01 MHz	3537.48 MHz
DFT-S QPSK	1	1	23.85	23.91	23.86
	1	33	23.76	23.75	23.8
	1	63	23.81	23.79	23.83
	32	0	22.71	22.71	22.7
	32	17	23.67	23.67	23.7
	32	33	22.67	22.69	22.67
	64	0	22.68	22.72	22.69
DFT-S 16 QAM	1	1	22.6	22.62	22.59
DFT-S 64 QAM	1	1	20.16	20.12	20.15
DFT-S 256 QAM	1	1	17.98	18.01	18.01

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.91**	27.13	30
16 QAM	**22.62**	25.84	30
64 QAM	**20.16**	23.38	30
256 QAM	**18.01**	21.23	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 30 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 30M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
DFT-S QPSK	1	1	23.86	23.92	23.92
	1	39	23.83	23.79	23.75
	1	76	23.77	23.8	23.79
	36	0	22.72	22.74	22.72
	36	21	23.69	23.62	23.68
	36	42	22.64	22.66	22.68
	75	0	22.7	22.67	22.66
DFT-S 16 QAM	1	1	22.63	22.62	22.63
DFT-S 64 QAM	1	1	20.19	20.15	20.17
DFT-S 256 QAM	1	1	18.03	18.02	18.04

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.92**	27.14	30
16 QAM	**22.63**	25.85	30
64 QAM	**20.19**	23.41	30
256 QAM	**18.04**	21.26	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 40 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
DFT-S QPSK	1	1	23.85	23.9	23.89
	1	53	23.79	23.79	23.8
	1	104	23.8	23.78	23.83
	50	0	22.67	22.66	22.71
	50	28	23.62	23.63	23.66
	50	56	22.68	22.71	22.64
	100	0	22.69	22.7	22.74
DFT-S 16 QAM	1	1	22.63	22.59	22.62
DFT-S 64 QAM	1	1	20.16	20.18	20.11
DFT-S 256 QAM	1	1	18.03	17.98	18.02

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.9**	27.12	30
16 QAM	**22.63**	25.85	30
64 QAM	**20.18**	23.4	30
256 QAM	**18.03**	21.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 50 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 50M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
DFT-S QPSK	1	1	23.88	23.91	23.89
	1	67	23.79	23.75	23.76
	1	131	23.75	23.77	23.77
	64	0	22.7	22.74	22.7
	64	35	23.66	23.68	23.66
	64	69	22.71	22.66	22.69
	128	0	22.72	22.69	22.69
DFT-S 16 QAM	1	1	22.62	22.62	22.62
DFT-S 64 QAM	1	1	20.18	20.14	20.16
DFT-S 256 QAM	1	1	18.03	18.02	17.99

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.91**	27.13	30
16 QAM	**22.62**	25.84	30
64 QAM	**20.18**	23.4	30
256 QAM	**18.03**	21.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 60 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 60M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
DFT-S QPSK	1	1	23.9	23.86	23.88
	1	81	23.82	23.76	23.77
	1	160	23.82	23.81	23.81
	81	0	22.74	22.72	22.71
	81	41	23.63	23.63	23.68
	81	81	22.67	22.71	22.7
	162	0	22.7	22.67	22.67
DFT-S 16 QAM	1	1	22.61	22.61	22.64
DFT-S 64 QAM	1	1	20.16	20.17	20.15
DFT-S 256 QAM	1	1	17.99	18.06	17.98

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.9**	27.12	30
16 QAM	**22.64**	25.86	30
64 QAM	**20.17**	23.39	30
256 QAM	**18.06**	21.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 70 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632334	CH 633334	CH 634332
			3485.01 MHz	3500.01 MHz	3514.98 MHz
DFT-S QPSK	1	1	23.86	23.87	23.86
	1	95	23.8	23.78	23.78
	1	187	23.77	23.79	23.83
	90	0	22.72	22.7	22.73
	90	50	23.67	23.66	23.66
	90	99	22.67	22.69	22.68
	180	0	22.7	22.72	22.7
DFT-S 16 QAM	1	1	22.59	22.64	22.61
DFT-S 64 QAM	1	1	20.14	20.15	20.15
DFT-S 256 QAM	1	1	18.04	18.03	18.01

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.87**	27.09	30
16 QAM	**22.64**	25.86	30
64 QAM	**20.15**	23.37	30
256 QAM	**18.04**	21.26	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 80 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 80M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 632668	CH 633334	CH 634000
			3490.02 MHz	3500.01 MHz	3510 MHz
DFT-S QPSK	1	1	23.87	23.89	23.86
	1	109	23.75	23.77	23.79
	1	215	23.77	23.82	23.83
	108	0	22.72	22.71	22.7
	108	55	23.67	23.66	23.62
	108	109	22.67	22.67	22.69
	216	0	22.7	22.7	22.7
DFT-S 16 QAM	1	1	22.61	22.62	22.6
DFT-S 64 QAM	1	1	20.14	20.19	20.17
DFT-S 256 QAM	1	1	18.03	17.99	18.06

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.89**	27.11	30
16 QAM	**22.62**	25.84	30
64 QAM	**20.19**	23.41	30
256 QAM	**18.06**	21.28	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 90 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 90M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 633000	CH 633334	CH 633666
			3495 MHz	3500.01 MHz	3504.99 MHz
DFT-S QPSK	1	1	23.93	23.87	23.89
	1	123	23.77	23.81	23.8
	1	243	23.77	23.75	23.83
	120	0	22.7	22.69	22.66
	120	63	23.64	23.67	23.7
	120	125	22.64	22.68	22.64
	243	0	22.72	22.71	22.69
DFT-S 16 QAM	1	1	22.64	22.67	22.58
DFT-S 64 QAM	1	1	20.17	20.16	20.15
DFT-S 256 QAM	1	1	18.03	18	18.02

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.93**	27.15	30
16 QAM	**22.67**	25.89	30
64 QAM	**20.17**	23.39	30
256 QAM	**18.03**	21.25	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) MIMO, Channel Bandwidth: 100 MHz

NR n78 SCS 30 kHz (3450-3550 MHz) 100M			
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S QPSK	1	1	23.94
	1	137	23.83
	1	271	23.84
	135	0	22.75
	135	69	23.71
	135	138	22.72
	270	0	22.75
DFT-S 16 QAM	1	1	22.68
DFT-S 64 QAM	1	1	20.21
DFT-S 256 QAM	1	1	18.08

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK	**23.94**	27.16	30
16 QAM	**22.68**	25.9	30
64 QAM	**20.21**	23.43	30
256 QAM	**18.08**	21.3	30

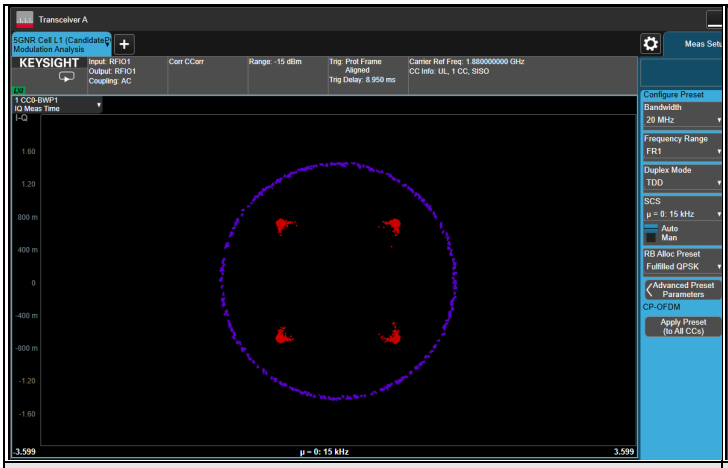
Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.2 Modulation Characteristics

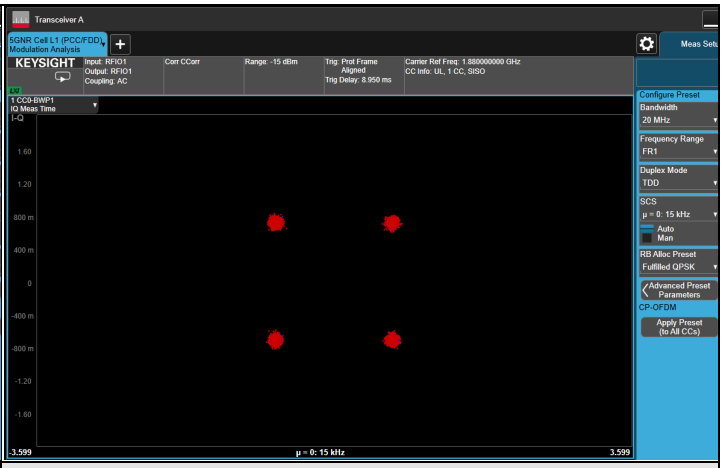
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 73% RH	Tested By:	Willy Cheng

7.2.1 NR n2 SCS 15 kHz

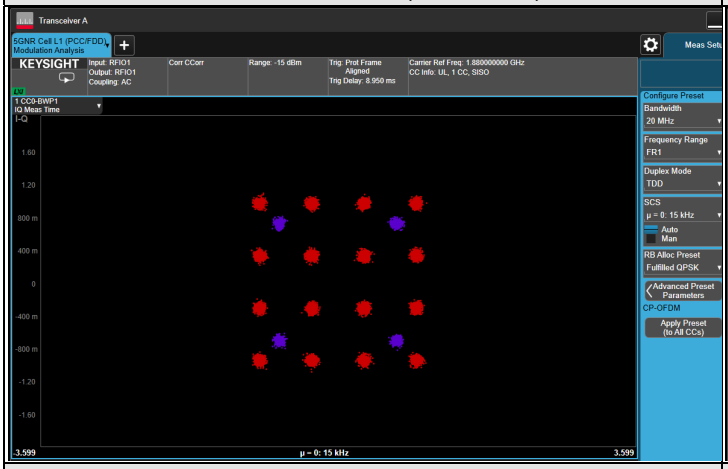
NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz



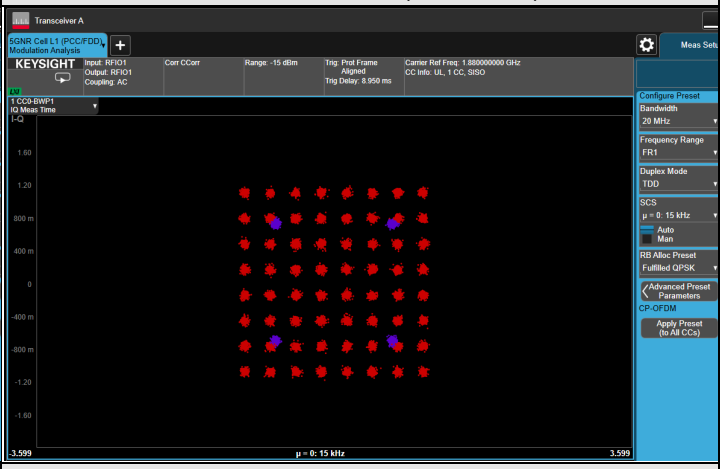
BPSK CH 376000 (1880 MHz)



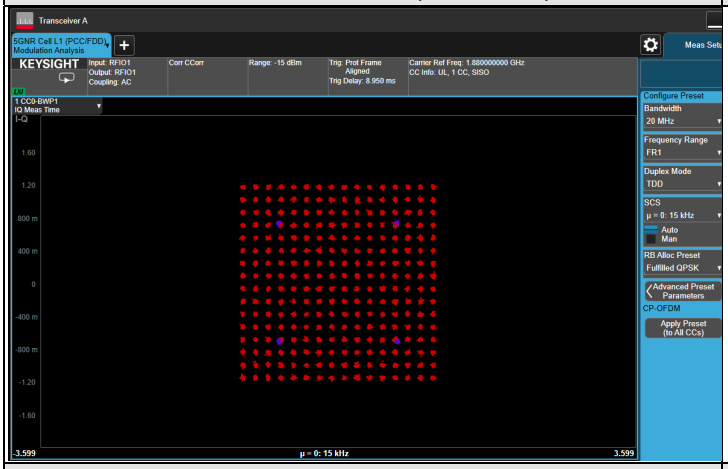
QPSK CH 376000 (1880 MHz)



16QAM CH 376000 (1880 MHz)



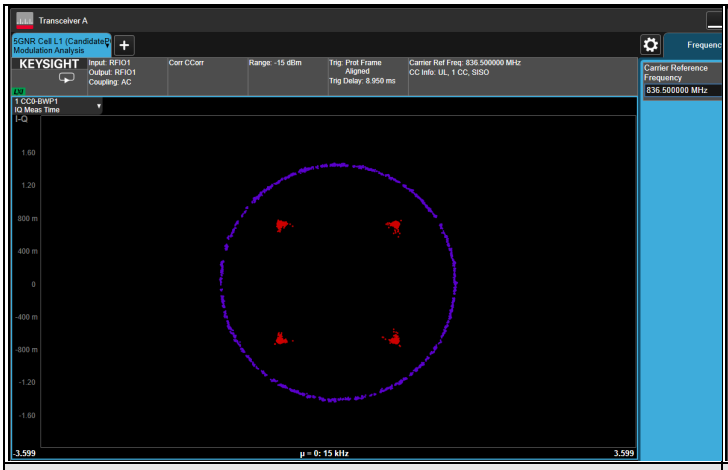
64QAM CH 376000 (1880 MHz)



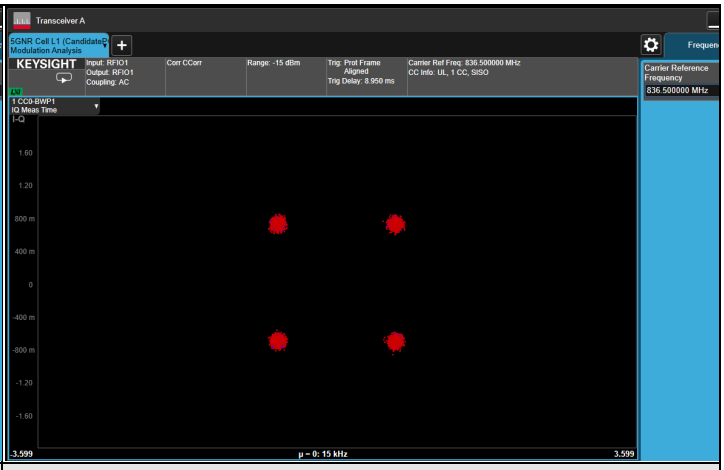
256QAM CH 376000 (1880 MHz)

7.2.2 NR n5 SCS 15 kHz

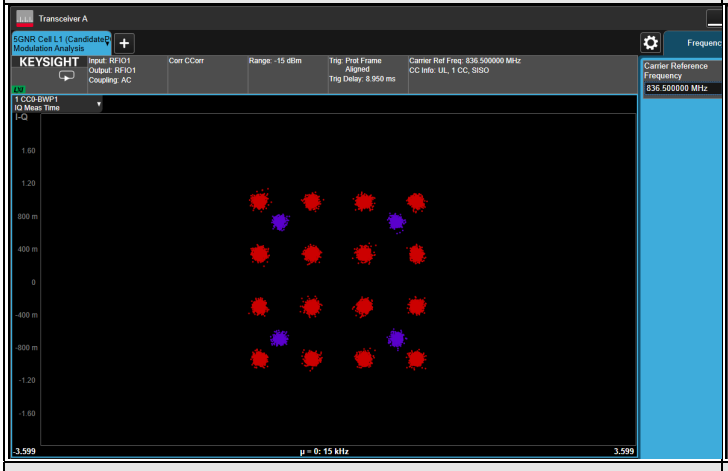
NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz



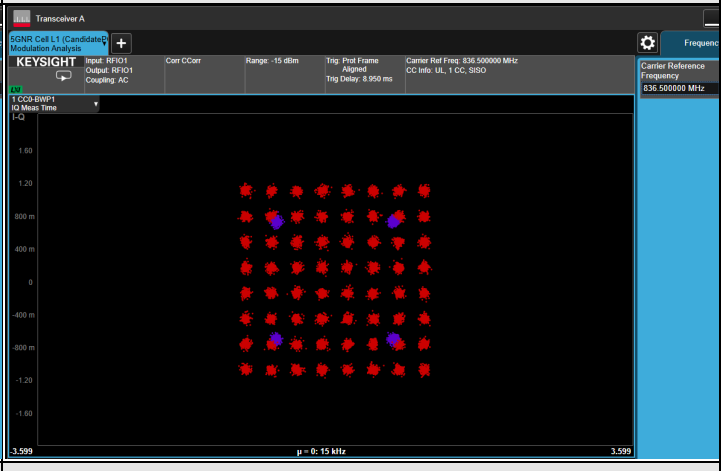
BPSK CH 167300 (836.5 MHz)



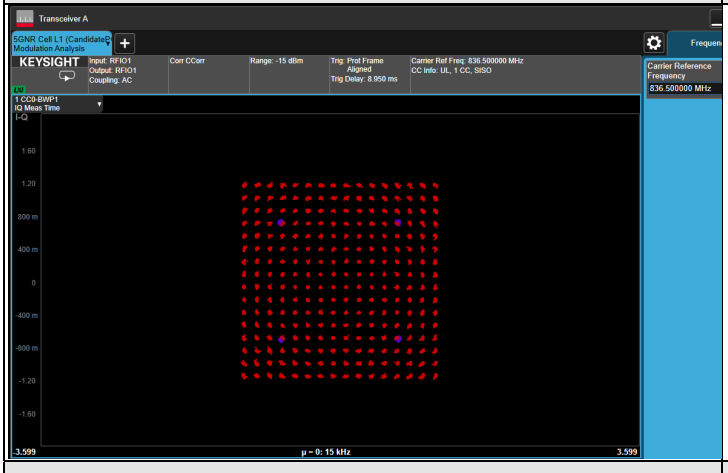
QPSK CH 167300 (836.5 MHz)



16QAM CH 167300 (836.5 MHz)



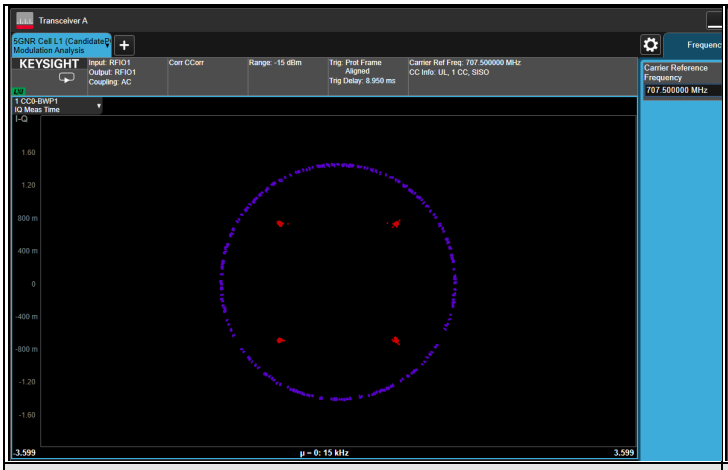
64QAM CH 167300 (836.5 MHz)



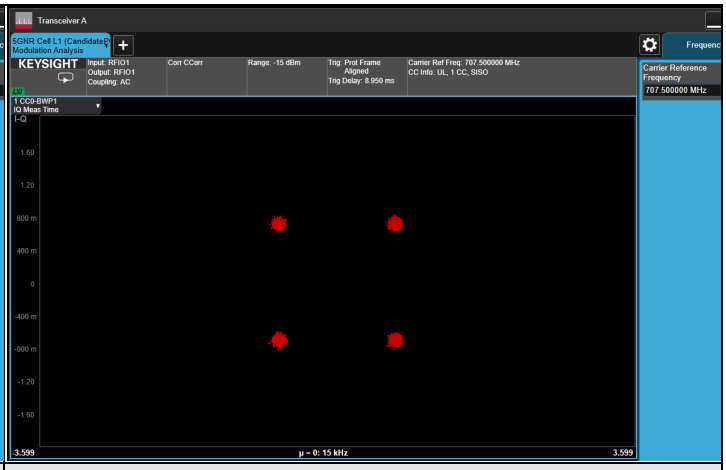
256QAM CH 167300 (836.5 MHz)

7.2.3 NR n12 SCS 15 kHz

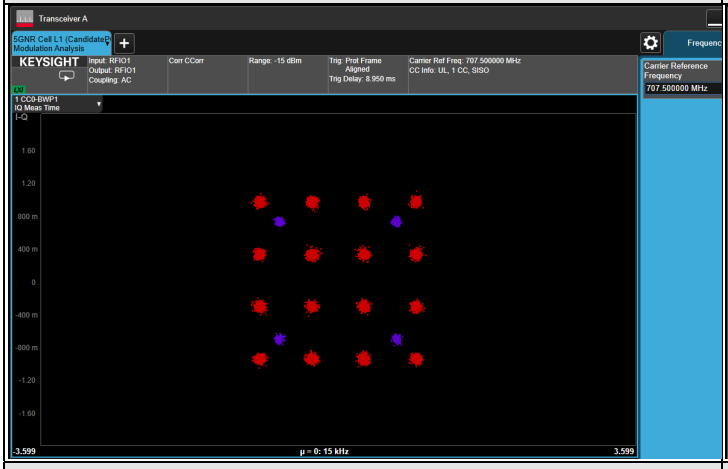
NR n12 SCS 15 kHz, Channel Bandwidth: 15 MHz



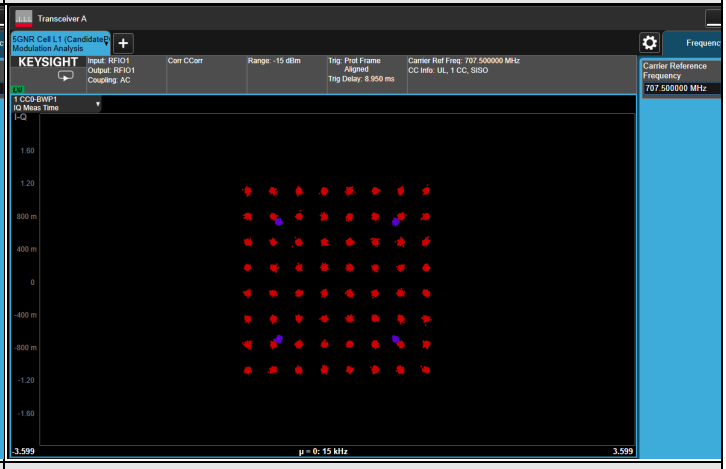
BPSK CH 141500 (707.5 MHz)



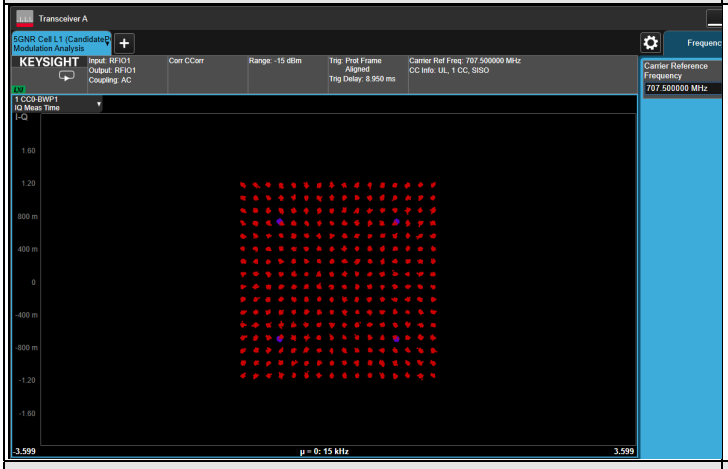
QPSK CH 141500 (707.5 MHz)



16QAM CH 141500 (707.5 MHz)



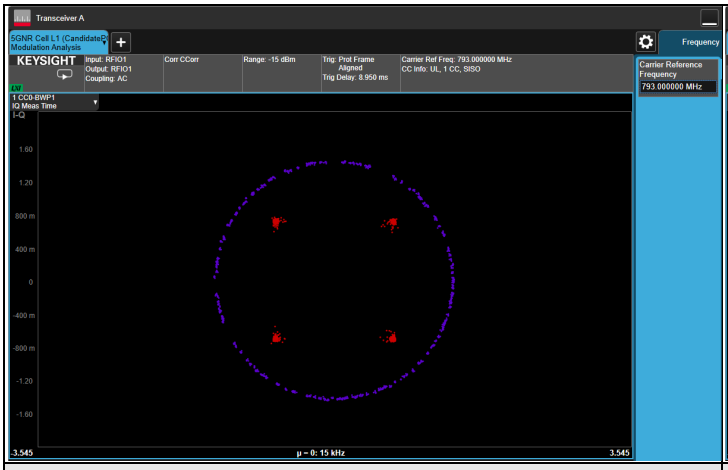
64QAM CH 141500 (707.5 MHz)



256QAM CH 141500 (707.5 MHz)

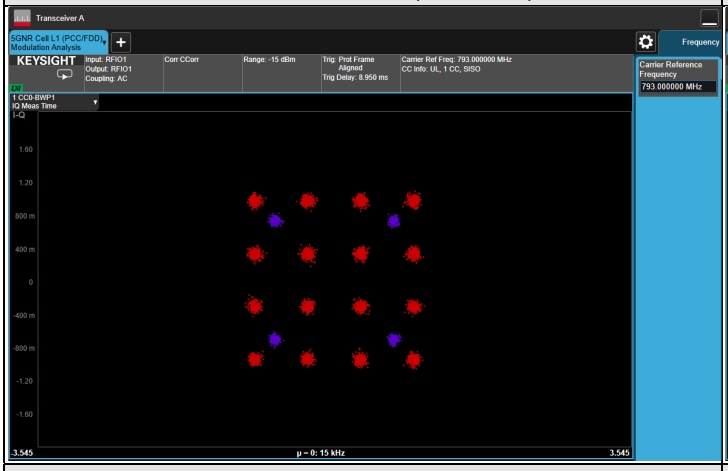
7.2.4 NR n14 SCS 15 kHz

NR n14 SCS 15 kHz, Channel Bandwidth: 10 MHz

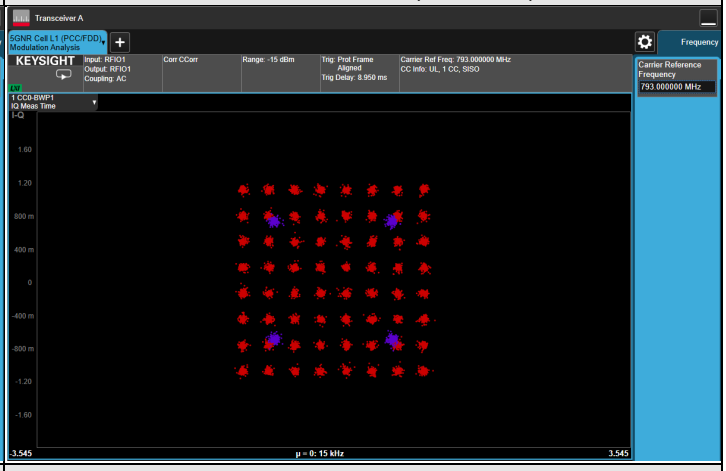


BPSK CH 158600 (793 MHz)

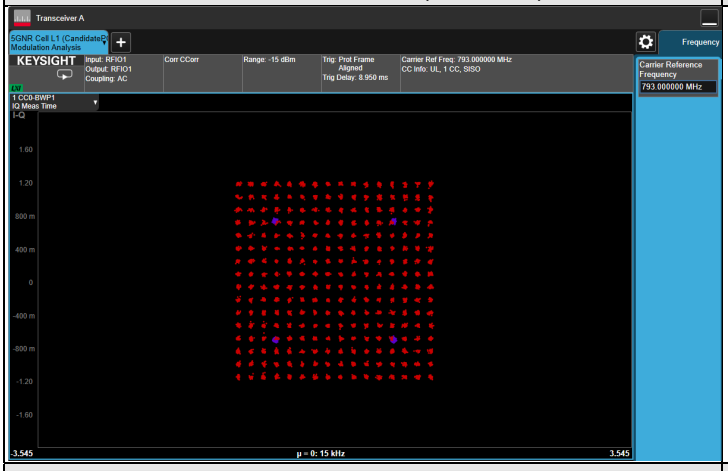
QPSK CH 158600 (793 MHz)



16QAM CH 158600 (793 MHz)



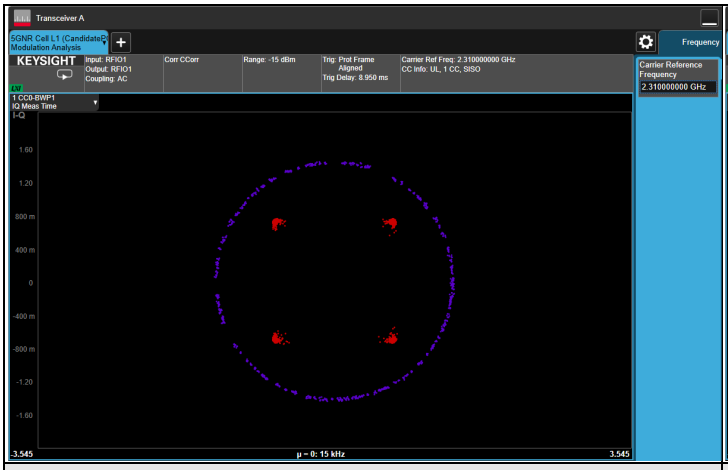
64QAM CH 158600 (793 MHz)



256QAM CH 158600 (793 MHz)

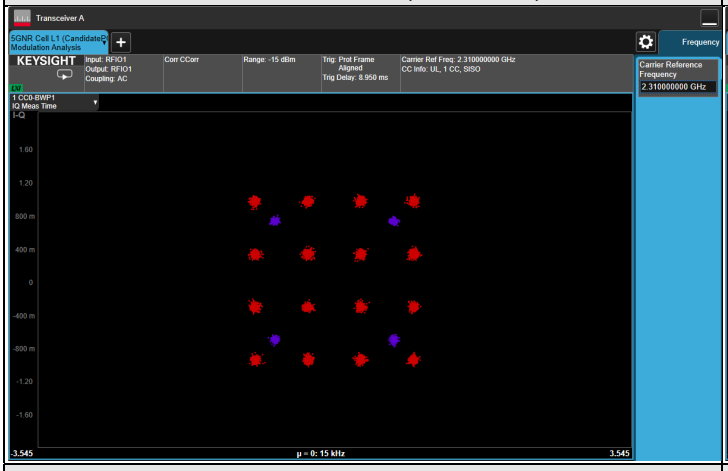
7.2.5 NR n30 SCS 15 kHz

NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

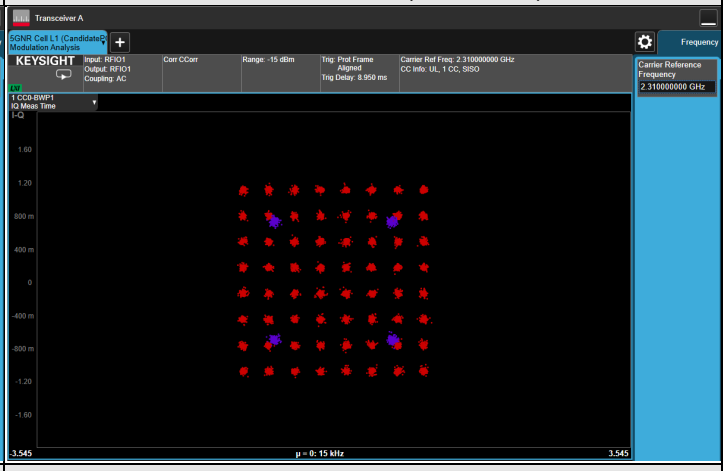


BPSK CH 462000 (2310 MHz)

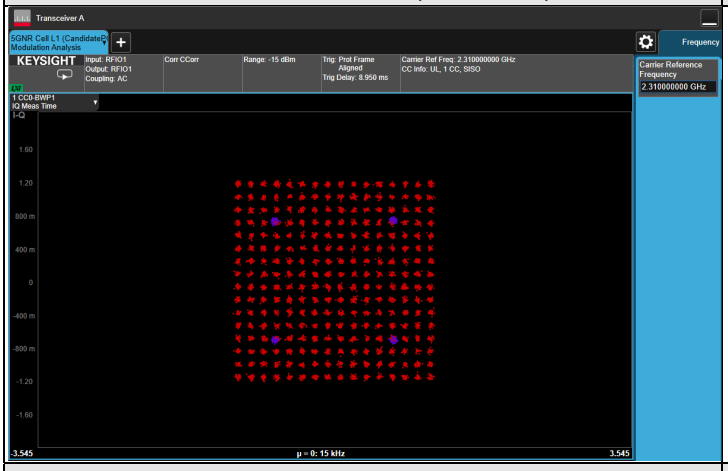
QPSK CH 462000 (2310 MHz)



16QAM CH 462000 (2310 MHz)



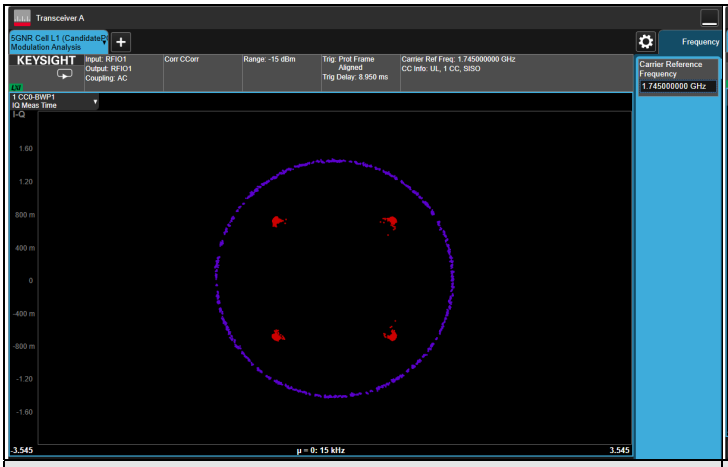
64QAM CH 462000 (2310 MHz)



256QAM CH 462000 (2310 MHz)

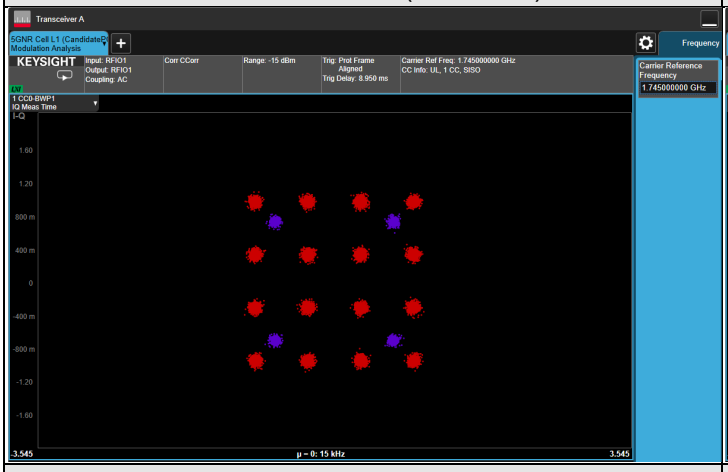
7.2.6 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

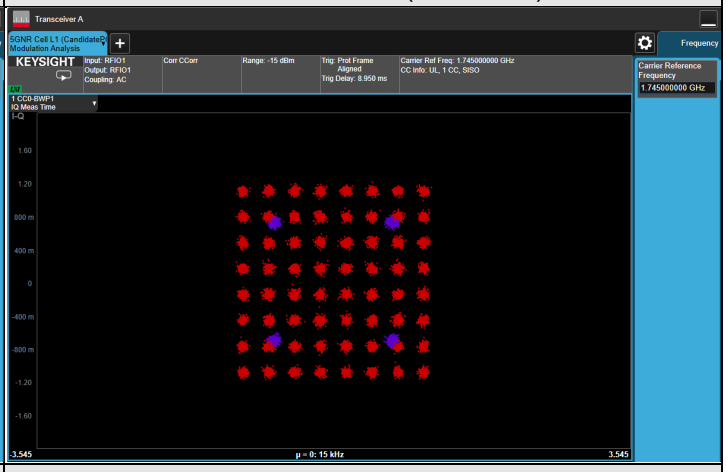


BPSK CH 349000 (1745 MHz)

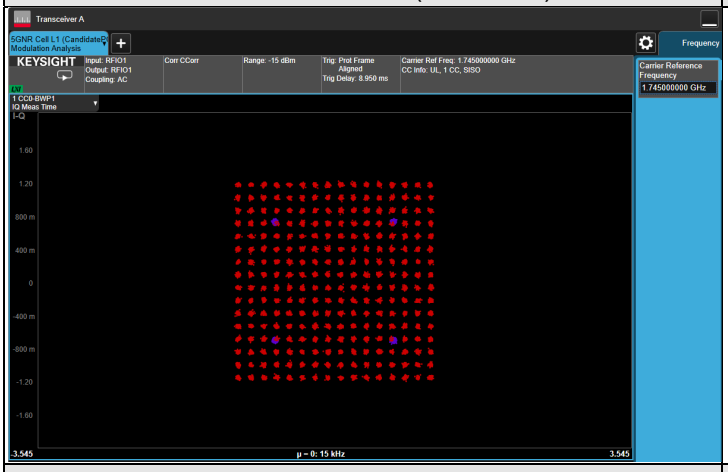
QPSK CH 349000 (1745 MHz)



16QAM CH 349000 (1745 MHz)



64QAM CH 349000 (1745 MHz)

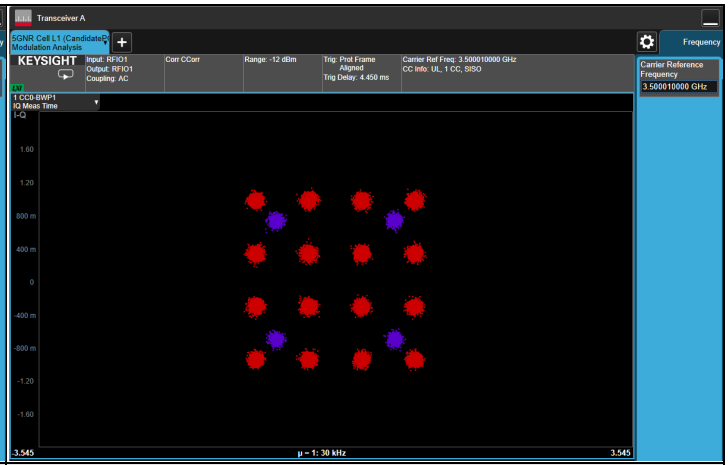


256QAM CH 349000 (1745 MHz)

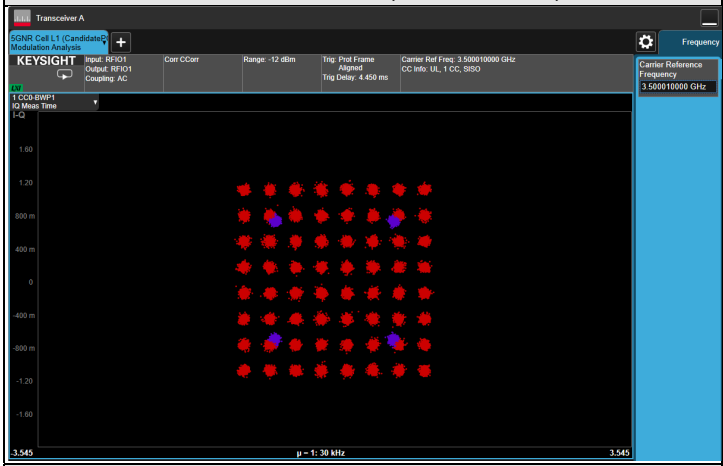
7.2.7 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO (Chain 0)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 100 MHz

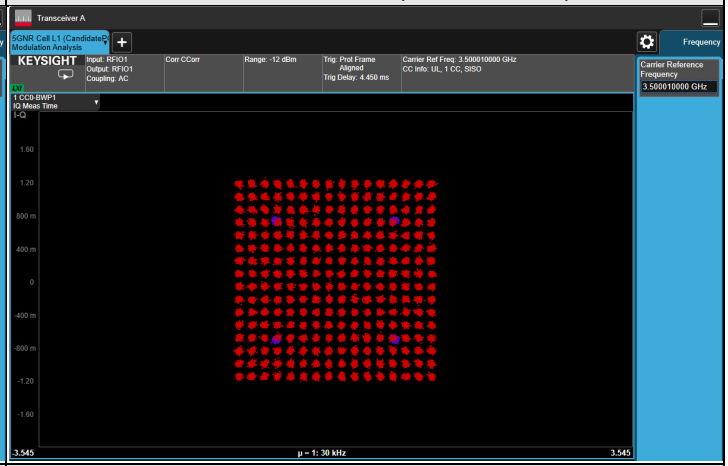
QPSK CH 633334 (3500.01 MHz)



16QAM CH 633334 (3500.01 MHz)



64QAM CH 633334 (3500.01 MHz)

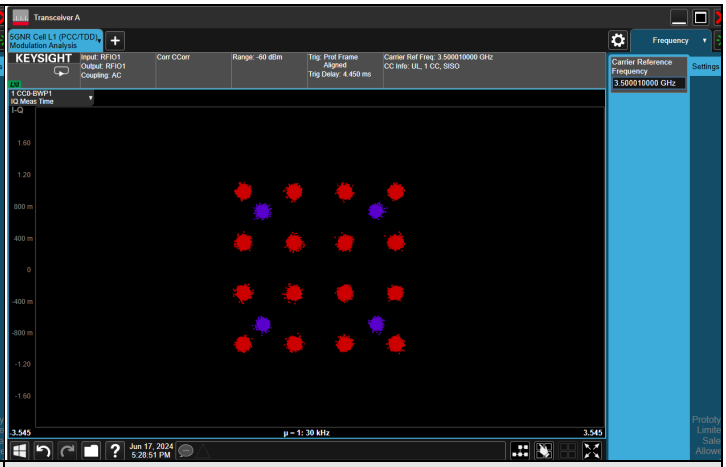


256QAM CH 633334 (3500.01 MHz)

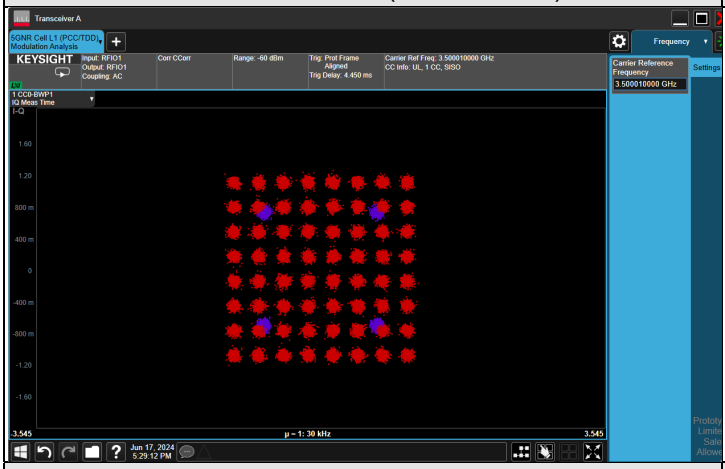
7.2.8 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) – MIMO (Chain 1)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 100 MHz

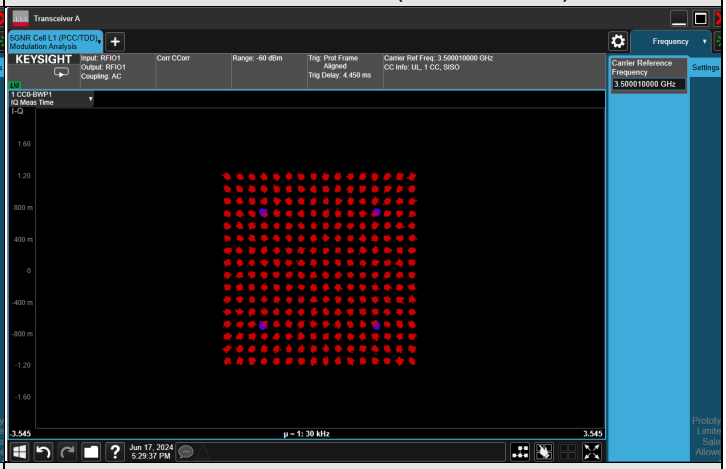
QPSK CH 633334 (3500.01 MHz)



16QAM CH 633334 (3500.01 MHz)



64QAM CH 633334 (3500.01 MHz)

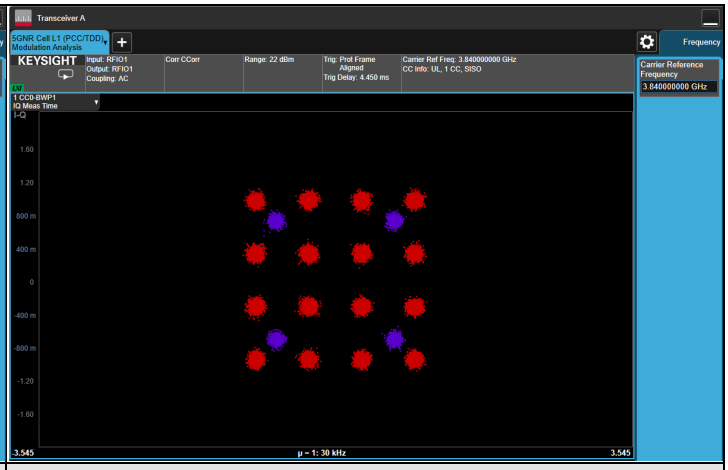


256QAM CH 633334 (3500.01 MHz)

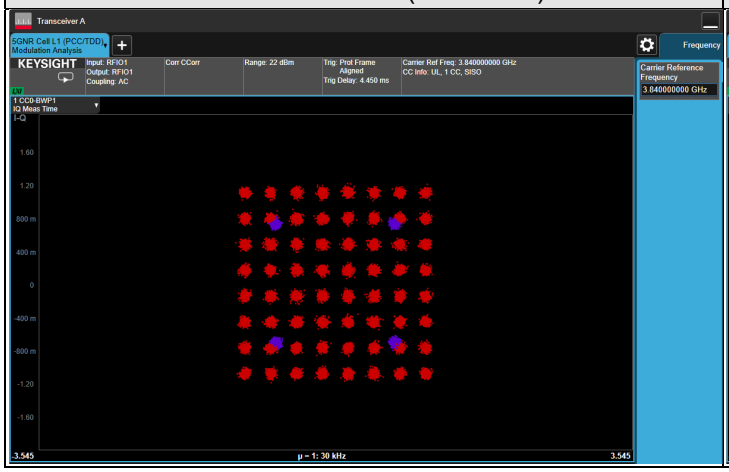
7.2.9 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) – MIMO (Chain 0)

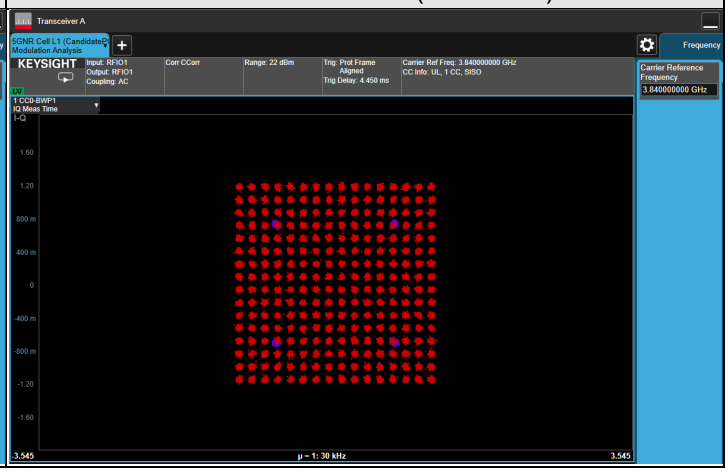
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 100 MHz

QPSK CH 656000 (3840 MHz)



16QAM CH 656000 (3840 MHz)

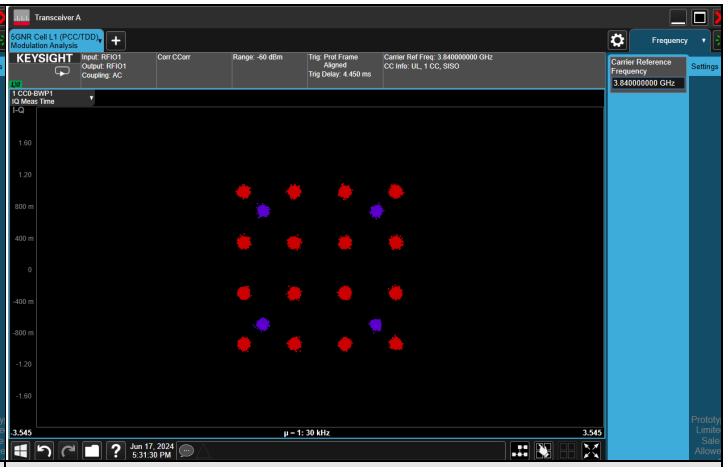




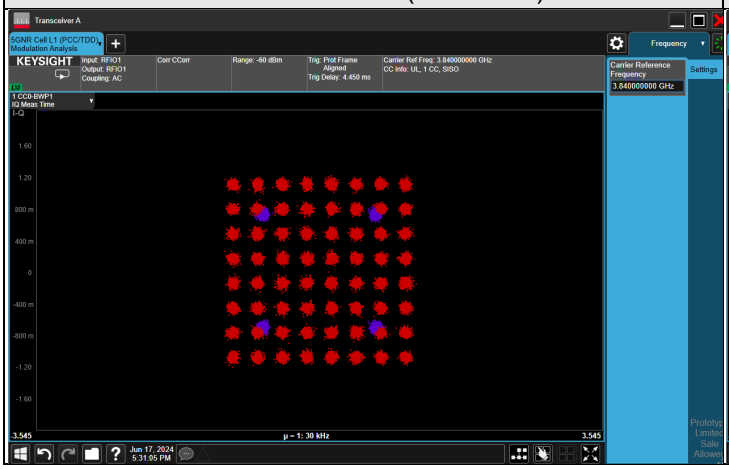
7.2.10 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) – MIMO (Chain 1)

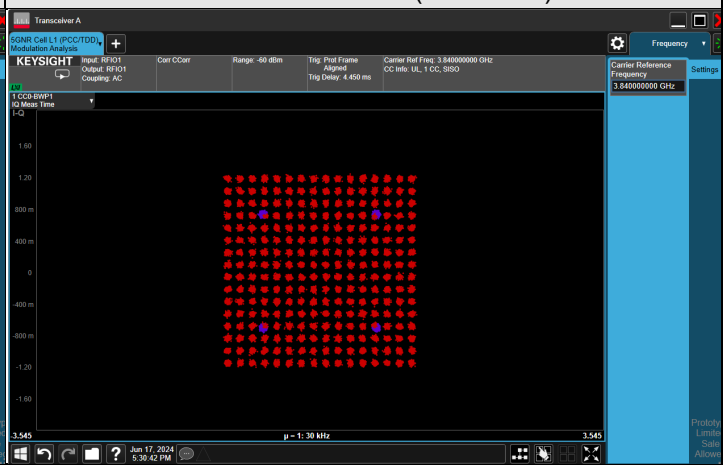
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 100 MHz

QPSK CH 656000 (3840 MHz)



16QAM CH 656000 (3840 MHz)





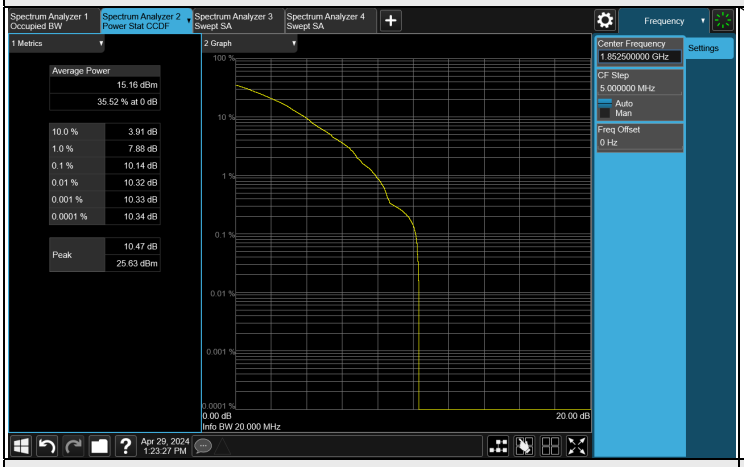
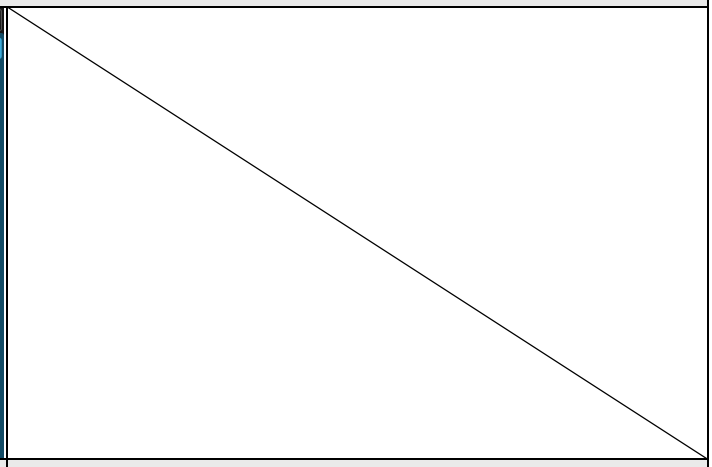
7.3 Peak to Average Ratio

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	23°C, 71% RH	Tested By:	James Yang

7.3.1 NR n2 SCS 15 kHz

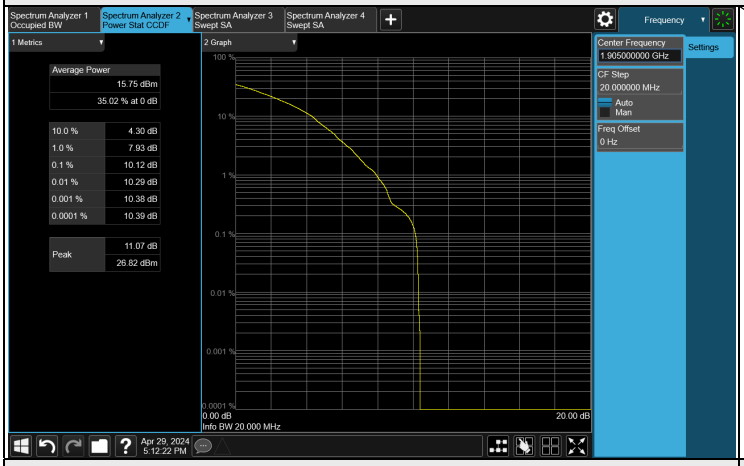
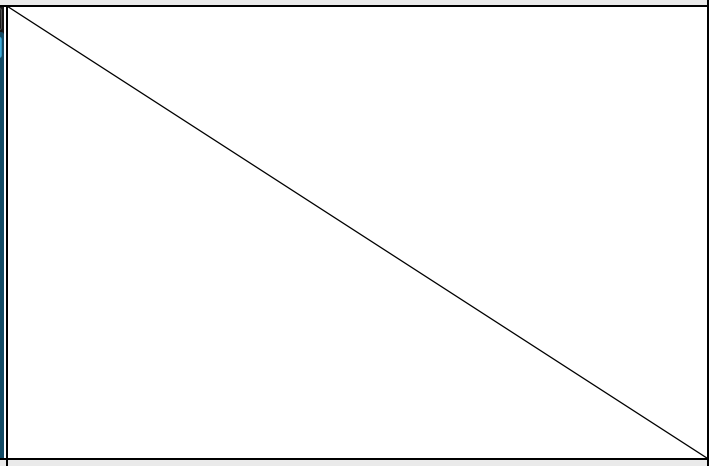
NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

EN-DC LTE 5 NR n2 SCS 15 kHz 5M					
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	4.58	4.44	4.9
QPSK	13	6	6.19	6.02	6.23
16QAM	13	6	6.56	6.3	6.66
64QAM	13	6	8.21	7.8	7.66
256QAM	13	6	10.14	9.99	10.04

Spectrum Plot of Worst Value	
	
256QAM CH 370500 (1852.5 MHz)	

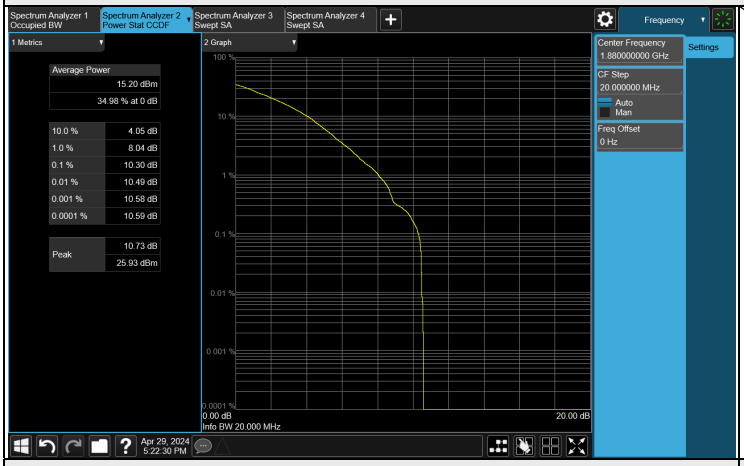
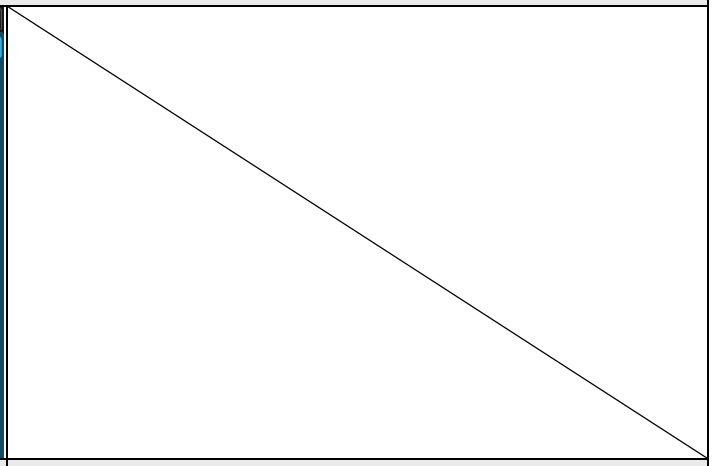
NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

EN-DC LTE 5 NR n2 SCS 15 kHz 10M					
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	4.58	4.53	4.21
QPSK	26	13	6.26	6.26	5.72
16QAM	26	13	6.2	6.55	6.31
64QAM	26	13	7.78	7.52	7.94
256QAM	26	13	9.35	9.66	10.12

Spectrum Plot of Worst Value	
	
256QAM CH 381000 (1905 MHz)	

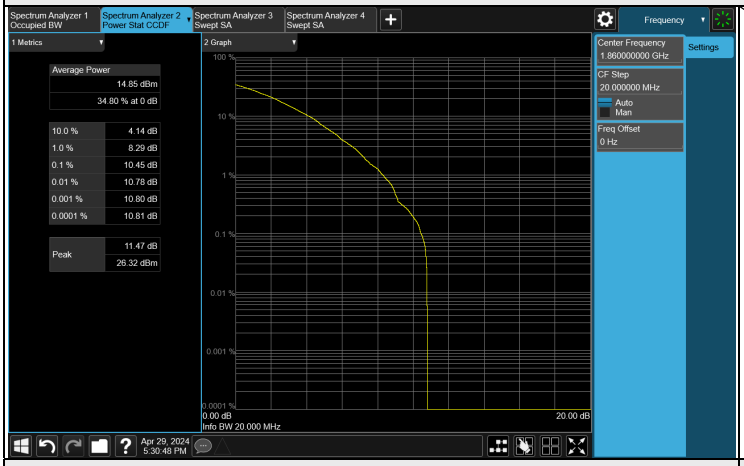
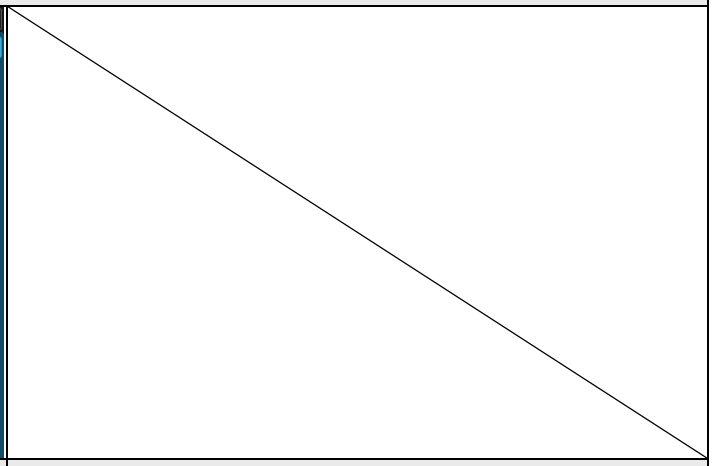
NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

EN-DC LTE 5 NR n2 SCS 15 kHz 15M					
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	4.37	3.9	4.17
QPSK	39	19	6.27	6.27	6.26
16QAM	39	19	6.68	6.45	6.29
64QAM	39	19	7.95	8.11	8.31
256QAM	39	19	10.02	10.3	9.9

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

NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

EN-DC LTE 5 NR n2 SCS 15 kHz 20M					
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	4.23	4.31	4.47
QPSK	53	26	6.33	6.19	5.94
16QAM	53	26	6.36	6.26	6.22
64QAM	53	26	8.05	7.56	7.92
256QAM	53	26	10.45	10.01	10.19

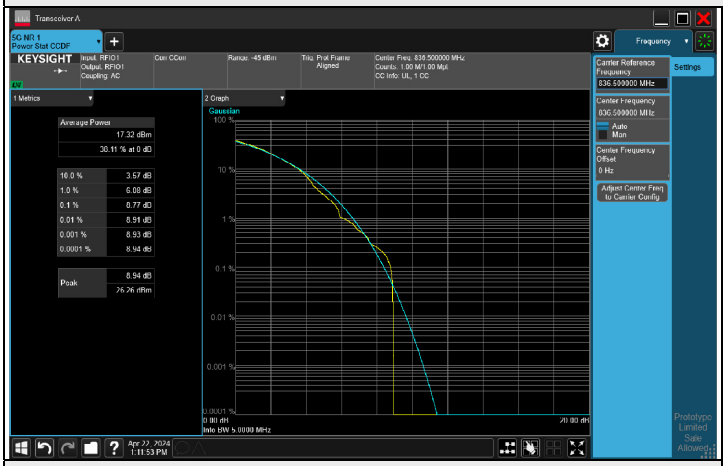
Spectrum Plot of Worst Value	
	
256QAM CH 372000 (1860 MHz)	

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	1	24	3.90	4.03	3.82
	1	0	3.97	3.82	3.71
	25	0	3.88	3.97	4.00
QPSK	1	24	6.56	6.75	6.50
	1	0	6.59	6.53	6.29
	25	0	6.52	6.58	6.60
16QAM	1	24	6.58	6.80	6.66
	1	0	6.74	6.60	6.39
	25	0	6.53	6.53	6.56
64QAM	1	24	7.13	7.30	7.00
	1	0	7.21	6.96	6.87
	25	0	7.14	7.14	7.10
256QAM	1	24	8.59	8.77	7.94
	1	0	8.63	7.70	7.24
	25	0	8.41	8.43	8.50

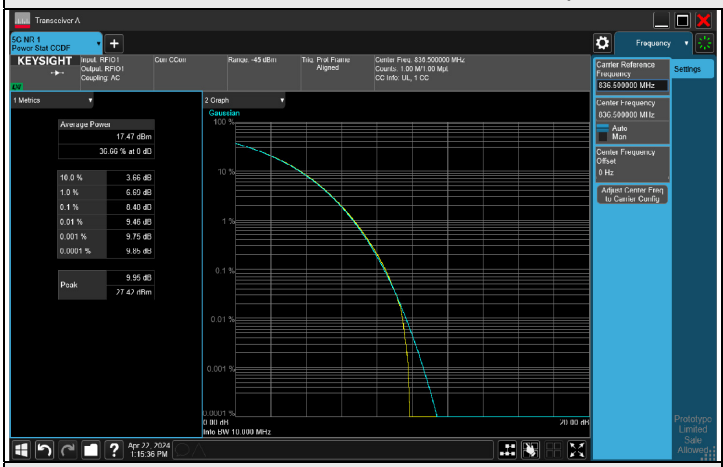
Spectrum Plot of Worst Value



256QAM CH 167300 (836.5 MHz)

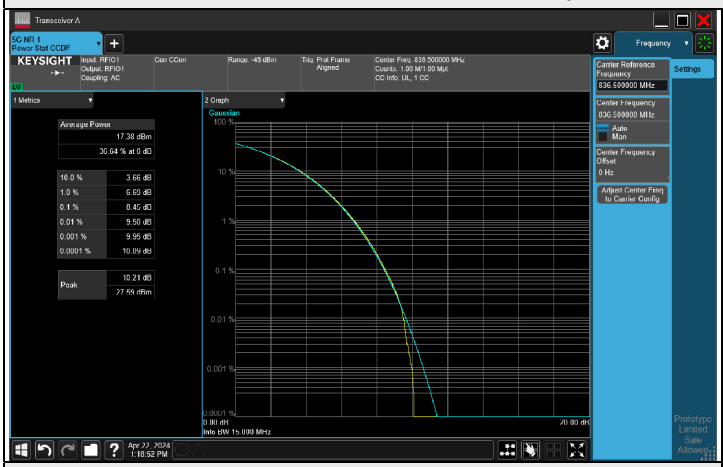
NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 165800	CH 167300	CH 168800
			829 MHz	836.5 MHz	844 MHz
BPSK	1	51	4.01	4.20	4.01
	1	0	4.15	4.01	4.22
	50	0	3.91	4.02	4.03
QPSK	1	51	6.50	6.69	6.46
	1	0	6.66	6.45	6.64
	52	0	6.55	6.59	6.81
16QAM	1	51	6.42	6.69	6.41
	1	0	6.68	6.51	6.74
	52	0	6.56	6.60	6.77
64QAM	1	51	7.02	7.24	6.93
	1	0	7.15	6.96	7.31
	52	0	6.96	7.01	7.19
256QAM	1	51	7.98	8.17	8.00
	1	0	7.71	7.95	8.09
	52	0	8.36	8.48	8.34

Spectrum Plot of Worst Value	
	
256QAM CH 167300 (836.5 MHz)	

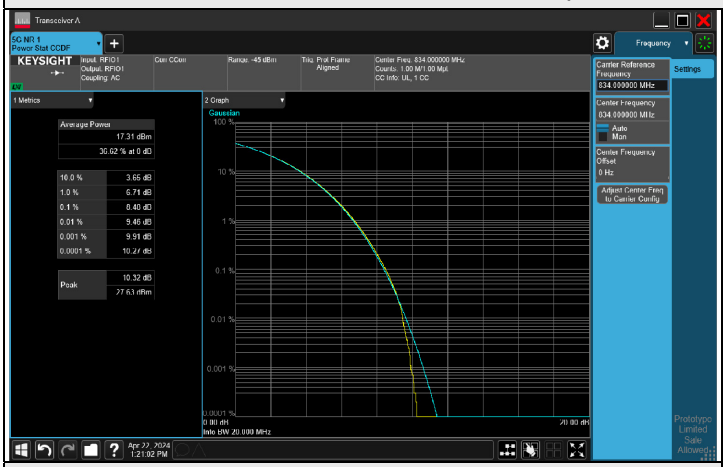
NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

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	1	78	4.18	3.90	4.02
	1	0	4.14	4.03	4.05
	75	0	3.96	4.15	3.86
QPSK	1	78	6.67	6.34	6.45
	1	0	6.66	6.46	6.42
	79	0	6.52	6.51	6.82
16QAM	1	78	6.66	6.31	6.43
	1	0	6.66	6.52	6.45
	79	0	6.48	6.49	6.81
64QAM	1	78	7.17	6.87	6.92
	1	0	7.12	7.00	7.09
	79	0	7.07	7.08	7.24
256QAM	1	78	8.00	7.56	7.99
	1	0	7.80	7.54	7.59
	79	0	8.41	8.45	8.37

Spectrum Plot of Worst Value	
	
256QAM CH 167300 (836.5 MHz)	

NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

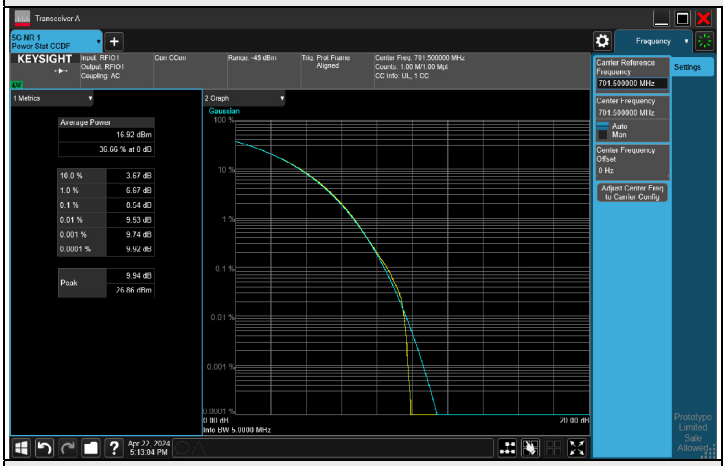
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 166800	CH 167300	CH 167800
			834 MHz	836.5 MHz	839 MHz
BPSK	1	105	3.91	3.83	3.98
	1	0	4.14	4.12	4.03
	100	0	4.11	4.16	3.90
QPSK	1	105	6.33	6.25	6.45
	1	0	6.61	6.65	6.42
	106	0	6.54	6.57	6.84
16QAM	1	105	6.33	6.24	6.46
	1	0	6.65	6.64	6.55
	106	0	6.57	6.67	6.83
64QAM	1	105	7.01	6.85	7.15
	1	0	7.32	7.32	7.16
	106	0	7.05	7.08	7.28
256QAM	1	105	7.73	7.56	8.07
	1	0	7.70	7.97	7.91
	106	0	8.48	8.38	8.32

Spectrum Plot of Worst Value	
	
256QAM CH 166800 (834 MHz)	

7.3.3 NR n12 SCS 15 kHz

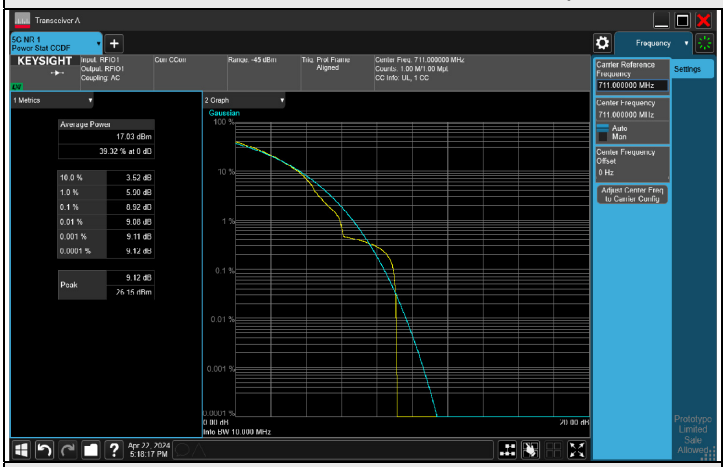
NR n12 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 140300	CH 141500	CH 142700
			701.5 MHz	707.5 MHz	713.5 MHz
BPSK	1	24	3.92	3.80	4.04
	1	0	3.92	4.08	3.91
	25	0	4.07	3.75	3.99
QPSK	1	24	6.54	6.42	6.66
	1	0	6.45	6.75	6.51
	25	0	6.65	6.63	6.62
16QAM	1	24	6.85	6.68	6.76
	1	0	6.65	6.87	6.62
	25	0	6.65	6.61	6.64
64QAM	1	24	7.29	6.98	7.24
	1	0	7.05	7.42	7.04
	25	0	7.19	7.23	7.22
256QAM	1	24	8.48	8.25	8.28
	1	0	7.56	8.12	7.86
	25	0	8.54	8.46	8.45

Spectrum Plot of Worst Value	
	
256QAM CH 140300 (701.5 MHz)	

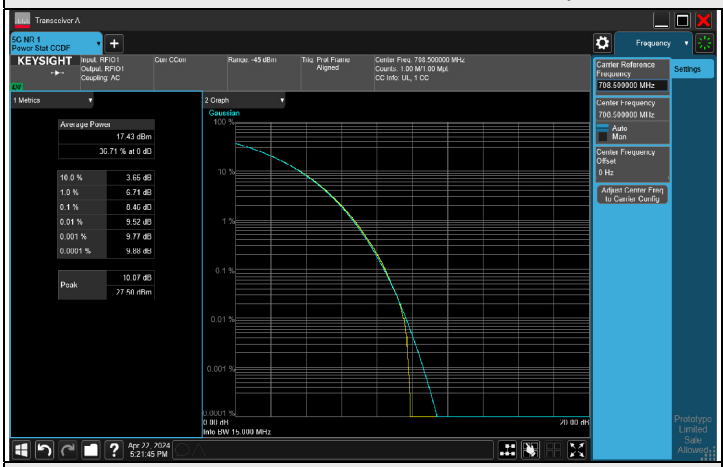
NR n12 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 140800	CH 141500	CH 142200
			704 MHz	707.5 MHz	711 MHz
BPSK	1	51	4.07	4.11	4.23
	1	0	4.09	4.25	4.12
	50	0	4.01	3.69	4.06
QPSK	1	51	6.50	6.47	6.64
	1	0	6.48	6.70	6.61
	52	0	6.66	6.66	6.86
16QAM	1	51	6.60	6.50	6.68
	1	0	6.55	6.71	6.65
	52	0	6.70	6.68	6.57
64QAM	1	51	7.20	7.08	7.26
	1	0	7.05	7.29	7.22
	52	0	7.09	7.10	6.96
256QAM	1	51	8.05	8.08	8.69
	1	0	7.80	8.72	8.92
	52	0	8.45	8.40	8.40

Spectrum Plot of Worst Value	
	
256QAM CH 142200 (711 MHz)	

NR n12 SCS 15 kHz, Channel Bandwidth: 15 MHz

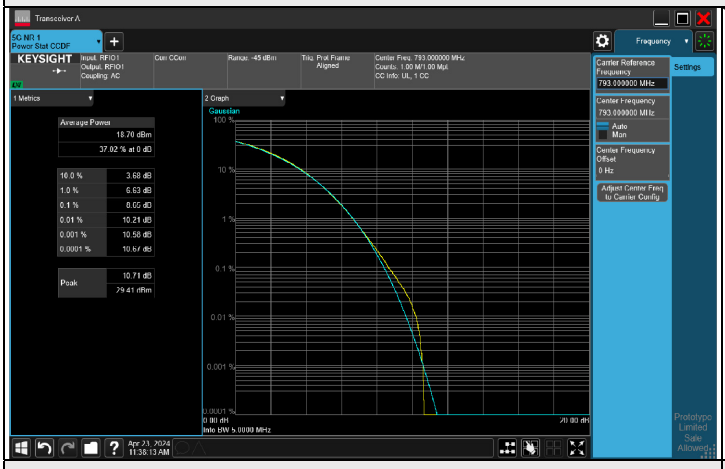
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 141300	CH 141500	CH 141700
			706.5 MHz	707.5 MHz	708.5 MHz
BPSK	1	78	4.11	4.14	4.18
	1	0	4.09	4.14	4.21
	75	0	3.98	3.73	3.84
QPSK	1	78	6.53	6.59	6.67
	1	0	6.52	6.56	6.64
	79	0	6.67	6.93	6.72
16QAM	1	78	6.60	6.65	6.69
	1	0	6.58	6.59	6.64
	79	0	6.57	6.60	6.58
64QAM	1	78	7.00	7.08	7.30
	1	0	7.04	7.07	7.12
	79	0	7.10	7.15	7.24
256QAM	1	78	8.34	8.43	8.45
	1	0	8.26	8.38	8.07
	79	0	8.44	8.36	8.46

Spectrum Plot of Worst Value	
	
256QAM CH 141700 (708.5 MHz)	

7.3.4 NR n14 SCS 15 kHz

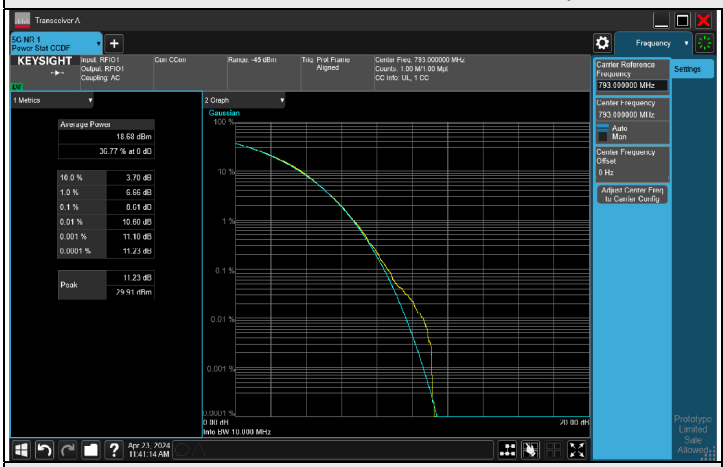
NR n14 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 158100	CH 158600	CH 159100
			790.5 MHz	793 MHz	795.5 MHz
BPSK	1	24	4.12	4.01	3.92
	1	0	3.99	4.14	4.12
	25	0	3.92	3.90	3.90
QPSK	1	24	6.72	6.58	6.44
	1	0	6.50	6.73	6.69
	25	0	6.60	6.51	6.51
16QAM	1	24	6.79	6.69	6.54
	1	0	6.48	6.74	6.77
	25	0	6.56	6.53	6.54
64QAM	1	24	7.39	7.33	7.10
	1	0	7.12	7.41	7.37
	25	0	7.08	7.05	7.03
256QAM	1	24	8.20	8.46	8.21
	1	0	8.08	8.02	8.26
	25	0	8.59	8.65	8.40

Spectrum Plot of Worst Value	
	
256QAM CH 158600 (793 MHz)	

NR n14 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 158600
			793 MHz
BPSK	1	51	4.03
	1	0	4.09
	50	0	3.79
QPSK	1	51	6.44
	1	0	6.47
	52	0	6.61
16QAM	1	51	6.44
	1	0	6.52
	52	0	6.61
64QAM	1	51	7.12
	1	0	7.21
	52	0	6.99
256QAM	1	51	7.96
	1	0	8.07
	52	0	8.61

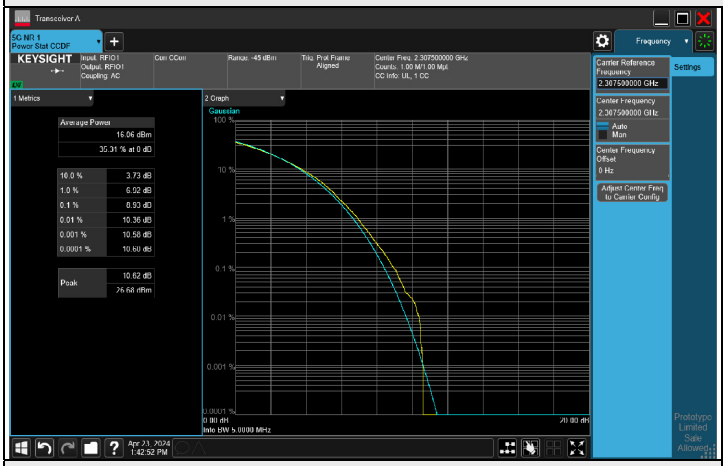
Spectrum Plot of Worst Value	
	
256QAM CH 158600 (793 MHz)	

7.3.5 NR n30 SCS 15 kHz

NR n30 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 461500	CH 462000	CH 462500
			2307.5 MHz	2310 MHz	2312.5 MHz
BPSK	1	24	4.37	3.98	4.00
	1	0	4.58	4.64	4.26
	25	0	3.73	3.80	3.91
QPSK	1	24	6.94	6.50	6.48
	1	0	7.35	7.32	6.77
	25	0	6.59	6.58	6.52
16QAM	1	24	7.19	6.72	6.54
	1	0	7.38	7.47	6.96
	25	0	6.59	6.61	6.53
64QAM	1	24	7.65	7.18	7.05
	1	0	8.01	8.02	7.44
	25	0	7.16	7.14	7.03
256QAM	1	24	8.40	8.09	7.71
	1	0	8.93	8.78	8.24
	25	0	8.41	8.37	8.46

Spectrum Plot of Worst Value



256QAM CH 461500 (2307.5 MHz)