

# TEST REPORT

## CERTIFICATE OF CONFORMITY

**Standard:** 47 CFR FCC Part 22  
47 CFR FCC Part 24  
47 CFR FCC Part 27  
47 CFR FCC Part 2

**Report No.:** RFBCKS-WTW-P24050344-1

**FCC ID:** NKR-UMCSTD35GN

**Product:** Automotive 5G-NR NAD

**Brand:** WNC

**Model No.:** UMC-STD35GN

**Received Date:** 2024/5/14

**Test Date:** 2024/6/3 ~ 2024/7/18

**Issued Date:** 2024/8/7

**Applicant:** Wistron NeWeb Corporation

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**FCC Registration /** 788550 / TW0003

**Designation Number:**

**Approved by:** \_\_\_\_\_

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**Date:** \_\_\_\_\_

2024/8/7

Jeremy Lin / Project Engineer

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Prepared by : Gina Liu / Specialist

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## Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P24050344-1	Original release.	2024/8/7

## 1 Certificate

**Product:** Automotive 5G-NR NAD

**Brand:** WNC

**Test Model:** UMC-STD35GN

**Sample Status:** Engineering sample

**Applicant:** Wistron NeWeb Corporation

**Test Date:** 2024/6/3 ~ 2024/7/18

**Standard:** 47 CFR FCC Part 22  
47 CFR FCC Part 24  
47 CFR FCC Part 27  
47 CFR FCC Part 2

**Measurement** ANSI/TIA/EIA-603-E 2016

**procedure:** ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 971168 D02 Misc Rev Approv License Devices v02r02

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

## 2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 22.913 (a) Part 24.232 (c) Part 27.50(d) Part 27.50(h) Part 27.50(c) Part 27.50(k) Part 27.50(j)	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)	Peak to Average Ratio	Pass	Meet the requirement of limit.
Part 2.1049	Bandwidth	Pass	Meet the requirement of limit.
Part 2.1051 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(n) Part 27.53(l)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(n) Part 27.53(l)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -15.96 dB at 40.67 MHz
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(n) Part 27.53(l)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -6.55 dB at 5185.98 MHz
Part 2.1055 Part 22.355 Part 24.235 Part 27.54	Frequency Stability	Pass	Meet the requirement of limit.

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

### 2.1 Measurement Uncertainty

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

Parameter	Specification	Uncertainty (±)
Effective Radiated Power and Equivalent Isotropically Radiated Power	-	1.371 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	2.44 dB
	30 MHz ~ 1 GHz	2.95 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 dB
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	Automotive 5G-NR NAD
Brand	WNC
Test Model	UMC-STD35GN
Status of EUT	Engineering sample
Power Supply Rating	4.7 Vdc
EUT Category	Mobile 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	DFT-S BPSK	0.244	23.87	4M48G7D
			DFT-S QPSK	0.255	24.06	4M48G7D
			DFT-S 16QAM	0.201	23.03	4M46D7W
			DFT-S 64QAM	0.141	21.49	4M47D7W
			DFT-S 256QAM	0.08	19.05	4M47D7W
			CP QPSK	0.171	22.34	-
	10 MHz	829.0 ~ 844.0	DFT-S BPSK	0.237	23.74	9M24G7D
			DFT-S QPSK	0.239	23.79	9M28G7D
			DFT-S 16QAM	0.189	22.76	9M31D7W
			DFT-S 64QAM	0.137	21.38	9M28D7W
			DFT-S 256QAM	0.078	18.9	9M29D7W
			CP QPSK	0.176	22.45	-
	15 MHz	831.5-841.5	DFT-S BPSK	0.236	23.73	14M0G7D
			DFT-S QPSK	0.236	23.73	14M1G7D
			DFT-S 16QAM	0.185	22.67	14M1D7W
			DFT-S 64QAM	0.132	21.21	14M1D7W
			DFT-S 256QAM	0.077	18.88	14M1D7W
			CP QPSK	0.162	22.09	-



Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
NR n5 SCS 15 kHz	20 MHz	834.0-839.0	DFT-S BPSK	0.257	24.1	17M9G7D
			DFT-S QPSK	0.241	23.82	18M9G7D
			DFT-S 16QAM	0.181	22.58	18M9D7W
			DFT-S 64QAM	0.141	21.49	18M9D7W
			DFT-S 256QAM	0.083	19.19	18M9D7W
			CP QPSK	0.168	22.25	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n2 SCS 15 kHz	5 MHz	1852.5 ~ 1907.5	DFT-S BPSK	0.371	25.69	4M48G7D
			DFT-S QPSK	0.366	25.63	4M47G7D
			DFT-S 16QAM	0.308	24.88	4M46D7W
			DFT-S 64QAM	0.226	23.54	4M47D7W
			DFT-S 256QAM	0.137	21.37	4M46D7W
			CP QPSK	0.269	24.29	-
	10 MHz	1855 ~ 1905	DFT-S BPSK	0.367	25.65	9M23G7D
			DFT-S QPSK	0.377	25.76	9M26G7D
			DFT-S 16QAM	0.281	24.49	9M31D7W
			DFT-S 64QAM	0.212	23.27	9M28D7W
			DFT-S 256QAM	0.131	21.17	9M28D7W
			CP QPSK	0.258	24.11	-
	15 MHz	1857.5 ~ 1902.5	DFT-S BPSK	0.368	25.66	14M0G7D
			DFT-S QPSK	0.365	25.62	14M0G7D
			DFT-S 16QAM	0.27	24.32	14M1D7W
			DFT-S 64QAM	0.21	23.22	14M1D7W
			DFT-S 256QAM	0.122	20.88	14M1D7W
			CP QPSK	0.252	24.02	-
	20 MHz	1860 ~ 1900	DFT-S BPSK	0.378	25.78	17M8G7D
			DFT-S QPSK	0.352	25.46	18M9G7D
			DFT-S 16QAM	0.265	24.24	18M9D7W
			DFT-S 64QAM	0.203	23.08	18M9D7W
			DFT-S 256QAM	0.12	20.8	18M9D7W
			CP QPSK	0.244	23.87	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n7 SCS 15 kHz	5 MHz	2502.5 ~ 2567.5	DFT-S BPSK	0.336	25.26	4M47G7D
			DFT-S QPSK	0.311	24.93	4M46G7D
			DFT-S 16QAM	0.244	23.87	4M46D7W
			DFT-S 64QAM	0.167	22.22	4M49D7W
			DFT-S 256QAM	0.111	20.46	4M46D7W
			CP QPSK	0.222	23.47	-
	10 MHz	2505 ~ 2565	DFT-S BPSK	0.301	24.78	9M20G7D
			DFT-S QPSK	0.292	24.66	9M28G7D
			DFT-S 16QAM	0.224	23.5	9M27D7W
			DFT-S 64QAM	0.148	21.71	9M31D7W
			DFT-S 256QAM	0.106	20.24	9M27D7W
			CP QPSK	0.218	23.38	-
	15 MHz	2507.5 ~ 2562.5	DFT-S BPSK	0.285	24.55	13M9G7D
			DFT-S QPSK	0.282	24.51	14M1G7D
			DFT-S 16QAM	0.222	23.47	14M1D7W
			DFT-S 64QAM	0.16	22.04	14M1D7W
			DFT-S 256QAM	0.097	19.89	14M1D7W
			CP QPSK	0.2	23	-
	20 MHz	2510 ~ 2560	DFT-S BPSK	0.336	25.26	17M9G7D
			DFT-S QPSK	0.303	24.81	18M9G7D
			DFT-S 16QAM	0.245	23.89	18M9D7W
			DFT-S 64QAM	0.171	22.33	18M9D7W
			DFT-S 256QAM	0.117	20.7	18M9D7W
			CP QPSK	0.22	23.43	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
NR n41 SCS 30 kHz (PC2)	10 MHz	2501.01 ~ 2685	DFT-S BPSK	0.692	28.4	8M60G7D
			DFT-S QPSK	0.667	28.24	8M61G7D
			DFT-S 16QAM	0.388	25.89	8M59D7W
			DFT-S 64QAM	0.286	24.57	8M60D7W
			DFT-S 256QAM	0.191	22.8	8M59D7W
			CP QPSK	0.363	25.6	-
	15 MHz	2503.5 ~ 2682.48	DFT-S BPSK	0.678	28.31	13M5G7D
			DFT-S QPSK	0.653	28.15	13M6G7D
			DFT-S 16QAM	0.387	25.88	13M6D7W
			DFT-S 64QAM	0.272	24.34	13M6D7W
			DFT-S 256QAM	0.176	22.45	13M6D7W
			CP QPSK	0.368	25.66	-
	20 MHz	2506.02 ~ 2679.99	DFT-S BPSK	0.656	28.17	18M0G7D
			DFT-S QPSK	0.638	28.05	18M2G7D
			DFT-S 16QAM	0.388	25.89	18M2D7W
			DFT-S 64QAM	0.282	24.5	18M1D7W
			DFT-S 256QAM	0.18	22.56	18M2D7W
			CP QPSK	0.366	25.64	-
	40 MHz	2516.01 ~ 2670	DFT-S BPSK	0.655	28.16	37M5G7D
			DFT-S QPSK	0.656	28.17	37M8G7D
			DFT-S 16QAM	0.41	26.13	37M8D7W
			DFT-S 64QAM	0.285	24.55	37M8D7W
			DFT-S 256QAM	0.189	22.76	37M7D7W
			CP QPSK	0.358	25.54	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	50 MHz	2521.02 ~ 2664.99	DFT-S BPSK	0.662	28.21	47M0G7D
			DFT-S QPSK	0.676	28.3	47M5G7D
			DFT-S 16QAM	0.394	25.96	47M4D7W
			DFT-S 64QAM	0.279	24.45	47M4D7W
			DFT-S 256QAM	0.185	22.68	47M4D7W
			CP QPSK	0.375	25.74	-
	60 MHz	2526 ~ 2659.98	DFT-S BPSK	0.664	28.22	57M8G7D
			DFT-S QPSK	0.65	28.13	57M6G7D
			DFT-S 16QAM	0.39	25.91	57M8D7W
			DFT-S 64QAM	0.296	24.71	57M7D7W
			DFT-S 256QAM	0.191	22.82	57M8D7W
			CP QPSK	0.369	25.67	-
	70 MHz	2531.01 ~ 2655	DFT-S BPSK	0.638	28.05	66M8G7D
			DFT-S QPSK	0.653	28.15	67M4G7D
			DFT-S 16QAM	0.395	25.97	67M3D7W
			DFT-S 64QAM	0.285	24.55	67M3D7W
			DFT-S 256QAM	0.191	22.81	67M2D7W
			CP QPSK	0.364	25.61	-
	80 MHz	2536.02 ~ 2649.99	DFT-S BPSK	0.65	28.13	76M9G7D
			DFT-S QPSK	0.652	28.14	77M2G7D
			DFT-S 16QAM	0.383	25.83	77M1D7W
			DFT-S 64QAM	0.282	24.5	77M2D7W
			DFT-S 256QAM	0.191	22.8	77M2D7W
			CP QPSK	0.352	25.47	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	90 MHz	2541 ~ 2644.98	DFT-S BPSK	0.659	28.19	86M7G7D
			DFT-S QPSK	0.631	28	87M3G7D
			DFT-S 16QAM	0.389	25.9	87M1D7W
			DFT-S 64QAM	0.274	24.37	87M2D7W
			DFT-S 256QAM	0.19	22.78	87M4D7W
			CP QPSK	0.362	25.59	-
	100 MHz	2546.01 ~ 2640	DFT-S BPSK	0.71	28.51	96M1G7D
			DFT-S QPSK	0.646	28.1	97M1G7D
			DFT-S 16QAM	0.4	26.02	97M1D7W
			DFT-S 64QAM	0.275	24.4	97M1D7W
			DFT-S 256QAM	0.192	22.83	97M1D7W
			CP QPSK	0.369	25.67	-
NR n66 SCS 15 kHz	5 MHz	1712.5 ~ 1777.5	DFT-S BPSK	0.31	24.92	4M46G7D
			DFT-S QPSK	0.293	24.67	4M46G7D
			DFT-S 16QAM	0.245	23.89	4M46D7W
			DFT-S 64QAM	0.178	22.5	4M47D7W
			DFT-S 256QAM	0.119	20.76	4M47D7W
			CP QPSK	0.205	23.11	-
	10 MHz	1715.0 ~ 1775.0	DFT-S BPSK	0.313	24.95	9M17G7D
			DFT-S QPSK	0.299	24.75	9M28G7D
			DFT-S 16QAM	0.242	23.84	9M25D7W
			DFT-S 64QAM	0.174	22.4	9M31D7W
			DFT-S 256QAM	0.122	20.85	9M29D7W
			CP QPSK	0.212	23.26	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	15 MHz	1717.5 ~ 1772.5	DFT-S BPSK	0.3	24.77	14M0G7D
			DFT-S QPSK	0.298	24.74	14M1G7D
			DFT-S 16QAM	0.248	23.95	14M1D7W
			DFT-S 64QAM	0.177	22.49	14M1D7W
			DFT-S 256QAM	0.121	20.81	14M1D7W
			CP QPSK	0.209	23.2	-
	20 MHz	1720.0 ~ 1770.0	DFT-S BPSK	0.316	24.99	18M7G7D
			DFT-S QPSK	0.297	24.73	18M9G7D
			DFT-S 16QAM	0.245	23.9	18M9D7W
			DFT-S 64QAM	0.177	22.49	18M9D7W
			DFT-S 256QAM	0.116	20.64	18M9D7W
			CP QPSK	0.212	23.27	-
	40 MHz	1730.0 ~ 1760.0	DFT-S BPSK	0.318	25.02	38M5G7D
			DFT-S QPSK	0.305	24.85	38M5G7D
			DFT-S 16QAM	0.248	23.95	38M5D7W
			DFT-S 64QAM	0.179	22.53	38M5D7W
			DFT-S 256QAM	0.118	20.71	38M5D7W
			CP QPSK	0.215	23.32	-
NR n71 SCS 15 kHz	5 MHz	665.5 ~ 695.5	DFT-S BPSK	0.201	23.03	4M49G7D
			DFT-S QPSK	0.207	23.15	4M49G7D
			DFT-S 16QAM	0.156	21.94	4M48D7W
			DFT-S 64QAM	0.104	20.18	4M50D7W
			DFT-S 256QAM	0.072	18.59	4M50D7W
			CP QPSK	0.14	21.45	-



Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	10 MHz	668 ~ 693	DFT-S BPSK	0.204	23.09	9M22G7D
			DFT-S QPSK	0.204	23.09	9M29G7D
			DFT-S 16QAM	0.152	21.81	9M29D7W
			DFT-S 64QAM	0.108	20.35	9M27D7W
			DFT-S 256QAM	0.072	18.59	9M28D7W
			CP QPSK	0.137	21.36	-
	15 MHz	670.5 ~ 690.5	DFT-S BPSK	0.199	22.98	14M1G7D
			DFT-S QPSK	0.201	23.03	14M1G7D
			DFT-S 16QAM	0.161	22.07	14M1D7W
			DFT-S 64QAM	0.105	20.23	14M0D7W
			DFT-S 256QAM	0.071	18.53	14M1D7W
			CP QPSK	0.133	21.25	-
	20 MHz	673 ~ 688	DFT-S BPSK	0.205	23.11	17M9G7D
			DFT-S QPSK	0.198	22.96	18M9G7D
			DFT-S 16QAM	0.158	22.00	18M9D7W
			DFT-S 64QAM	0.107	20.30	18M9D7W
			DFT-S 256QAM	0.074	18.70	18M9D7W
			CP QPSK	0.138	21.40	-
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) (PC2)	10 MHz	3455.01 ~ 3544.98	DFT-S BPSK	0.719	28.57	8M55G7D
			DFT-S QPSK	0.617	27.90	8M57G7D
			DFT-S 16QAM	0.435	26.38	8M57D7W
			DFT-S 64QAM	0.318	25.03	8M58D7W
			DFT-S 256QAM	0.202	23.05	8M57D7W
			CP QPSK	0.363	25.60	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	15 MHz	3457.5 ~ 3542.49	DFT-S BPSK	0.706	28.49	13M5G7D
			DFT-S QPSK	0.61	27.85	13M5G7D
			DFT-S 16QAM	0.427	26.30	13M6D7W
			DFT-S 64QAM	0.326	25.13	13M6D7W
			DFT-S 256QAM	0.193	22.86	13M6D7W
			CP QPSK	0.369	25.67	-
	20 MHz	3460.02 ~ 3540	DFT-S BPSK	0.667	28.24	18M0G7D
			DFT-S QPSK	0.61	27.85	18M2G7D
			DFT-S 16QAM	0.446	26.49	18M2D7W
			DFT-S 64QAM	0.324	25.10	18M2D7W
			DFT-S 256QAM	0.193	22.86	18M2D7W
			CP QPSK	0.364	25.61	-
	30 MHz	3465 ~ 3534.99	DFT-S BPSK	0.692	28.40	27M5G7D
			DFT-S QPSK	0.605	27.82	27M7G7D
			DFT-S 16QAM	0.443	26.46	27M8D7W
			DFT-S 64QAM	0.324	25.10	27M8D7W
			DFT-S 256QAM	0.196	22.92	27M7D7W
			CP QPSK	0.359	25.55	-
	40 MHz	3470.01 ~ 3529.98	DFT-S BPSK	0.673	28.28	37M4G7D
			DFT-S QPSK	0.622	27.94	37M7G7D
			DFT-S 16QAM	0.454	26.57	37M7D7W
			DFT-S 64QAM	0.322	25.08	37M7D7W
			DFT-S 256QAM	0.189	22.77	37M8D7W
			CP QPSK	0.359	25.55	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	50 MHz	3475.02 ~ 3525	DFT-S BPSK	0.721	28.58	47M1G7D
			DFT-S QPSK	0.601	27.79	47M4G7D
			DFT-S 16QAM	0.44	26.43	47M3D7W
			DFT-S 64QAM	0.326	25.13	47M4D7W
			DFT-S 256QAM	0.2	23.02	47M3D7W
			CP QPSK	0.363	25.60	-
	60 MHz	3480 ~ 3519.99	DFT-S BPSK	0.705	28.48	57M7G7D
			DFT-S QPSK	0.6	27.78	57M7G7D
			DFT-S 16QAM	0.437	26.40	57M6D7W
			DFT-S 64QAM	0.322	25.08	57M7D7W
			DFT-S 256QAM	0.203	23.08	57M7D7W
			CP QPSK	0.367	25.65	-
	70 MHz	3485.01 ~ 3514.98	DFT-S BPSK	0.724	28.60	66M7G7D
			DFT-S QPSK	0.634	28.02	67M5G7D
			DFT-S 16QAM	0.44	26.43	67M3D7W
			DFT-S 64QAM	0.333	25.23	67M2D7W
			DFT-S 256QAM	0.203	23.08	67M3D7W
			CP QPSK	0.367	25.65	-
	80 MHz	3490.02 ~ 3510	DFT-S BPSK	0.697	28.43	77M1G7D
			DFT-S QPSK	0.614	27.88	77M2G7D
			DFT-S 16QAM	0.435	26.38	77M4D7W
			DFT-S 64QAM	0.327	25.14	77M2D7W
			DFT-S 256QAM	0.198	22.97	77M2D7W
			CP QPSK	0.372	25.71	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	90 MHz	3495 ~ 3504.99	DFT-S BPSK	0.723	28.59	86M5G7D
			DFT-S QPSK	0.605	27.82	87M1G7D
			DFT-S 16QAM	0.441	26.44	87M2D7W
			DFT-S 64QAM	0.33	25.19	87M2D7W
			DFT-S 256QAM	0.2	23.02	87M2D7W
			CP QPSK	0.365	25.62	-
	100 MHz	3500.01	DFT-S BPSK	0.774	28.89	96M0G7D
			DFT-S QPSK	0.622	27.94	97M2G7D
			DFT-S 16QAM	0.446	26.49	97M2D7W
			DFT-S 64QAM	0.326	25.13	97M2D7W
			DFT-S 256QAM	0.206	23.13	97M1D7W
			CP QPSK	0.365	25.62	-
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) (PC3)	10 MHz	3455.01 ~ 3544.98	DFT-S BPSK	0.421	26.24	8M56G7D
			DFT-S QPSK	0.401	26.03	8M55G7D
			DFT-S 16QAM	0.282	24.51	8M61D7W
			DFT-S 64QAM	0.209	23.21	8M58D7W
			DFT-S 256QAM	0.126	21.01	8M59D7W
			CP QPSK	0.232	23.65	-
	15 MHz	3457.5 ~ 3542.49	DFT-S BPSK	0.421	26.24	13M6G7D
			DFT-S QPSK	0.399	26.01	13M5G7D
			DFT-S 16QAM	0.279	24.46	13M5D7W
			DFT-S 64QAM	0.206	23.13	13M5D7W
			DFT-S 256QAM	0.129	21.10	13M6D7W
			CP QPSK	0.234	23.70	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	20 MHz	3460.02 ~ 3540	DFT-S BPSK	0.417	26.20	18M0G7D
			DFT-S QPSK	0.406	26.09	18M2G7D
			DFT-S 16QAM	0.288	24.59	18M2D7W
			DFT-S 64QAM	0.210	23.23	18M2D7W
			DFT-S 256QAM	0.129	21.11	18M2D7W
			CP QPSK	0.229	23.60	-
	30 MHz	3465 ~ 3534.99	DFT-S BPSK	0.416	26.19	27M6G7D
			DFT-S QPSK	0.394	25.96	27M8G7D
			DFT-S 16QAM	0.282	24.51	27M8D7W
			DFT-S 64QAM	0.203	23.07	27M8D7W
			DFT-S 256QAM	0.128	21.06	27M8D7W
			CP QPSK	0.231	23.64	-
	40 MHz	3470.01 ~ 3529.98	DFT-S BPSK	0.414	26.17	37M4G7D
			DFT-S QPSK	0.397	25.99	37M7G7D
			DFT-S 16QAM	0.286	24.57	37M8D7W
			DFT-S 64QAM	0.209	23.20	37M7D7W
			DFT-S 256QAM	0.126	21.00	37M8D7W
			CP QPSK	0.232	23.66	-
	50 MHz	3475.02 ~ 3525	DFT-S BPSK	0.415	26.18	46M9G7D
			DFT-S QPSK	0.394	25.95	47M6G7D
			DFT-S 16QAM	0.282	24.50	47M4D7W
			DFT-S 64QAM	0.213	23.29	47M4D7W
			DFT-S 256QAM	0.129	21.10	47M3D7W
			CP QPSK	0.232	23.66	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	60 MHz	3480 ~ 3519.99	DFT-S BPSK	0.419	26.22	57M6G7D
			DFT-S QPSK	0.392	25.93	57M7G7D
			DFT-S 16QAM	0.287	24.58	57M6D7W
			DFT-S 64QAM	0.210	23.22	57M7D7W
			DFT-S 256QAM	0.128	21.06	57M7D7W
			CP QPSK	0.234	23.70	-
	70 MHz	3485.01 ~ 3514.98	DFT-S BPSK	0.423	26.26	66M7G7D
			DFT-S QPSK	0.398	26.00	67M4G7D
			DFT-S 16QAM	0.286	24.56	67M4D7W
			DFT-S 64QAM	0.214	23.30	67M3D7W
			DFT-S 256QAM	0.128	21.07	67M3D7W
			CP QPSK	0.231	23.64	-
	80 MHz	3490.02 ~ 3510	DFT-S BPSK	0.417	26.20	77M1G7D
			DFT-S QPSK	0.397	25.99	77M2G7D
			DFT-S 16QAM	0.282	24.50	77M3D7W
			DFT-S 64QAM	0.213	23.28	77M3D7W
			DFT-S 256QAM	0.127	21.05	77M2D7W
			CP QPSK	0.233	23.68	-
	90 MHz	3495 ~ 3504.99	DFT-S BPSK	0.419	26.22	86M8G7D
			DFT-S QPSK	0.404	26.06	87M2G7D
			DFT-S 16QAM	0.286	24.56	87M1D7W
			DFT-S 64QAM	0.208	23.18	87M1D7W
			DFT-S 256QAM	0.129	21.12	87M1D7W
			CP QPSK	0.233	23.68	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	100 MHz	3500.01	DFT-S BPSK	0.449	26.52	96M3G7D
			DFT-S QPSK	0.394	25.96	96M8G7D
			DFT-S 16QAM	0.287	24.58	96M9D7W
			DFT-S 64QAM	0.207	23.17	97M1D7W
			DFT-S 256QAM	0.129	21.12	97M2D7W
			CP QPSK	0.238	23.76	-
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) (PC2)	10 MHz	3705 ~ 3975	DFT-S BPSK	0.700	28.45	8M54G7D
			DFT-S QPSK	0.673	28.28	8M58G7D
			DFT-S 16QAM	0.435	26.38	8M57D7W
			DFT-S 64QAM	0.286	24.57	8M57D7W
			DFT-S 256QAM	0.202	23.06	8M57D7W
			CP QPSK	0.362	25.59	-
	15 MHz	3707.52 ~ 3972.48	DFT-S BPSK	0.681	28.33	13M5G7D
			DFT-S QPSK	0.656	28.17	13M5G7D
			DFT-S 16QAM	0.417	26.20	13M6D7W
			DFT-S 64QAM	0.287	24.58	13M5D7W
			DFT-S 256QAM	0.196	22.92	13M6D7W
			CP QPSK	0.354	25.49	-
	20 MHz	3710.01 ~ 3969.99	DFT-S BPSK	0.716	28.55	18M0G7D
			DFT-S QPSK	0.668	28.25	18M2G7D
			DFT-S 16QAM	0.42	26.23	18M2D7W
			DFT-S 64QAM	0.296	24.72	18M2D7W
			DFT-S 256QAM	0.187	22.72	18M2D7W
			CP QPSK	0.354	25.49	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	30 MHz	3715.02 ~ 3964.98	DFT-S BPSK	0.71	28.51	27M5G7D
			DFT-S QPSK	0.661	28.20	27M7G7D
			DFT-S 16QAM	0.406	26.09	27M8D7W
			DFT-S 64QAM	0.296	24.72	27M8D7W
			DFT-S 256QAM	0.192	22.83	27M7D7W
			CP QPSK	0.348	25.42	-
	40 MHz	3720 ~ 3960	DFT-S BPSK	0.675	28.29	37M4G7D
			DFT-S QPSK	0.655	28.16	37M7G7D
			DFT-S 16QAM	0.422	26.25	37M7D7W
			DFT-S 64QAM	0.309	24.90	37M7D7W
			DFT-S 256QAM	0.193	22.85	37M8D7W
			CP QPSK	0.349	25.43	-
	50 MHz	3725.01 ~ 3954.99	DFT-S BPSK	0.7	28.45	47M0G7D
			DFT-S QPSK	0.656	28.17	47M4G7D
			DFT-S 16QAM	0.404	26.06	47M3D7W
			DFT-S 64QAM	0.303	24.81	47M4D7W
			DFT-S 256QAM	0.2	23.02	47M3D7W
			CP QPSK	0.359	25.55	-
	60 MHz	3730.02 ~ 3949.98	DFT-S BPSK	0.705	28.48	57M7G7D
			DFT-S QPSK	0.67	28.26	57M6G7D
			DFT-S 16QAM	0.425	26.28	57M7D7W
			DFT-S 64QAM	0.293	24.67	57M7D7W
			DFT-S 256QAM	0.198	22.96	57M7D7W
			CP QPSK	0.352	25.47	-



Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	70 MHz	3735 ~ 3945	DFT-S BPSK	0.682	28.34	66M4G7D
			DFT-S QPSK	0.641	28.07	67M4G7D
			DFT-S 16QAM	0.407	26.10	67M3D7W
			DFT-S 64QAM	0.299	24.75	67M3D7W
			DFT-S 256QAM	0.192	22.83	67M3D7W
			CP QPSK	0.362	25.59	-
	80 MHz	3740.01 ~ 3939.99	DFT-S BPSK	0.708	28.50	77M1G7D
			DFT-S QPSK	0.649	28.12	77M2G7D
			DFT-S 16QAM	0.414	26.17	77M5D7W
			DFT-S 64QAM	0.293	24.67	77M2D7W
			DFT-S 256QAM	0.194	22.88	77M2D7W
			CP QPSK	0.344	25.37	-
	90 MHz	3745.02 ~ 3934.98	DFT-S BPSK	0.708	28.50	86M6G7D
			DFT-S QPSK	0.64	28.06	87M1G7D
			DFT-S 16QAM	0.419	26.22	87M2D7W
			DFT-S 64QAM	0.288	24.60	87M2D7W
			DFT-S 256QAM	0.198	22.97	87M2D7W
			CP QPSK	0.354	25.49	-
	100 MHz	3750 ~ 3930	DFT-S BPSK	0.705	28.48	96M1G7D
			DFT-S QPSK	0.675	28.29	97M2G7D
			DFT-S 16QAM	0.429	26.32	97M2D7W
			DFT-S 64QAM	0.299	24.75	97M2D7W
			DFT-S 256QAM	0.2	23.00	97M2D7W
			CP QPSK	0.362	25.59	-

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) (PC3)	10 MHz	3705 ~ 3975	DFT-S BPSK	0.419	26.22	8M56G7D
			DFT-S QPSK	0.423	26.26	8M56G7D
			DFT-S 16QAM	0.268	24.28	8M58D7W
			DFT-S 64QAM	0.193	22.86	8M59D7W
			DFT-S 256QAM	0.128	21.07	8M57D7W
			CP QPSK	0.229	23.59	-
	15 MHz	3707.52 ~ 3972.48	DFT-S BPSK	0.419	26.22	13M5G7D
			DFT-S QPSK	0.432	26.35	13M6G7D
			DFT-S 16QAM	0.268	24.28	13M6D7W
			DFT-S 64QAM	0.188	22.75	13M6D7W
			DFT-S 256QAM	0.125	20.98	13M6D7W
			CP QPSK	0.229	23.59	-
	20 MHz	3710.01 ~ 3969.99	DFT-S BPSK	0.422	26.25	18M0G7D
			DFT-S QPSK	0.421	26.24	18M2G7D
			DFT-S 16QAM	0.271	24.33	18M2D7W
			DFT-S 64QAM	0.192	22.84	18M2D7W
			DFT-S 256QAM	0.125	20.96	18M2D7W
			CP QPSK	0.228	23.57	-
	30 MHz	3715.02 ~ 3964.98	DFT-S BPSK	0.429	26.32	27M6G7D
			DFT-S QPSK	0.422	26.25	27M8G7D
			DFT-S 16QAM	0.271	24.33	27M8D7W
			DFT-S 64QAM	0.191	22.82	27M8D7W
			DFT-S 256QAM	0.127	21.04	27M8D7W
			CP QPSK	0.231	23.63	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	40 MHz	3720 ~ 3960	DFT-S BPSK	0.421	26.24	37M4G7D
			DFT-S QPSK	0.425	26.28	37M7G7D
			DFT-S 16QAM	0.269	24.30	37M8D7W
			DFT-S 64QAM	0.191	22.82	37M7D7W
			DFT-S 256QAM	0.127	21.03	37M8D7W
			CP QPSK	0.226	23.54	-
	50 MHz	3725.01 ~ 3954.99	DFT-S BPSK	0.413	26.16	47M0G7D
			DFT-S QPSK	0.432	26.35	47M4G7D
			DFT-S 16QAM	0.265	24.24	47M3D7W
			DFT-S 64QAM	0.192	22.83	47M4D7W
			DFT-S 256QAM	0.128	21.07	47M4D7W
			CP QPSK	0.228	23.58	-
	60 MHz	3730.02 ~ 3949.98	DFT-S BPSK	0.425	26.28	57M6G7D
			DFT-S QPSK	0.428	26.31	57M7G7D
			DFT-S 16QAM	0.267	24.27	57M6D7W
			DFT-S 64QAM	0.192	22.84	57M7D7W
			DFT-S 256QAM	0.128	21.07	57M7D7W
			CP QPSK	0.223	23.49	-
	70 MHz	3735 ~ 3945	DFT-S BPSK	0.415	26.18	66M8G7D
			DFT-S QPSK	0.427	26.30	67M4G7D
			DFT-S 16QAM	0.266	24.25	67M3D7W
			DFT-S 64QAM	0.196	22.93	67M3D7W
			DFT-S 256QAM	0.125	20.97	67M2D7W
			CP QPSK	0.229	23.59	-

Mode	Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
	80 MHz	3740.01 ~ 3939.99	DFT-S BPSK	0.412	26.15	77M2G7D
			DFT-S QPSK	0.426	26.29	77M2G7D
			DFT-S 16QAM	0.264	24.22	77M2D7W
			DFT-S 64QAM	0.196	22.93	77M3D7W
			DFT-S 256QAM	0.125	20.98	77M3D7W
			CP QPSK	0.228	23.58	-
	90 MHz	3745.02 ~ 3934.98	DFT-S BPSK	0.414	26.17	86M9G7D
			DFT-S QPSK	0.432	26.35	87M3G7D
			DFT-S 16QAM	0.271	24.33	87M1D7W
			DFT-S 64QAM	0.191	22.81	87M3D7W
			DFT-S 256QAM	0.127	21.04	87M2D7W
			CP QPSK	0.234	23.69	-
	100 MHz	3750 ~ 3930	DFT-S BPSK	0.433	26.36	96M4G7D
			DFT-S QPSK	0.432	26.35	97M1G7D
			DFT-S 16QAM	0.276	24.41	97M0D7W
			DFT-S 64QAM	0.195	22.90	97M3D7W
			DFT-S 256QAM	0.130	21.13	97M2D7W
			CP QPSK	0.234	23.69	-

2. 5G NR n41 support PC2 and PC3. Since PC2 test results are the worst, therefore only PC2 measurement results are recorded in this report.

3. The EUT supports the following ENDC configuration.

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

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

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

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

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

### 3.2 Antenna Description of EUT

1. The antenna information is listed as below.

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

\*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

\*The EUT support 1TX/4RX.

### 3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. The EUT's MCU, PMIC, Crystal, EMMC component will with shielding case or without shielding case. The EUT's RF component will always cover in the shielding case.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis 2. With shielding case or without shielding case (only MCU, PMIC, Crystal, EMMC component): With shielding case was chosen for final test; without shielding case (only MCU, PMIC, Crystal, EMMC component) was perform the radiated spurious emissions test only.

#### 3.3.1 NR n2 SCS 15 kHz

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	Without shielding case	370500(1852.50 MHz) 376000(1880.00 MHz) 381500(1907.50 MHz)	5 MHz	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	Without shielding case	376000(1880.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	Without shielding case	370500(1852.50 MHz) 376000(1880.00 MHz) 381500(1907.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		371000(1855.00 MHz) 376000(1880.00 MHz) 381000(1905.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		371500(1857.50 MHz) 376000(1880.00 MHz) 380500(1902.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		372000(1860.00 MHz) 376000(1880.00 MHz) 380000(1900.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	Without shielding case	370500(1852.50 MHz) 376000(1880.00 MHz) 381500(1907.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		371000(1855.00 MHz) 376000(1880.00 MHz) 381000(1905.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		371500(1857.50 MHz) 376000(1880.00 MHz) 380500(1902.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		372000(1860.00 MHz) 376000(1880.00 MHz) 380000(1900.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	Without shielding case	370500(1852.50 MHz) 376000(1880.00 MHz) 381500(1907.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB Full RB
		371000(1855.00 MHz) 376000(1880.00 MHz) 381000(1905.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB Full RB
		371500(1857.50 MHz) 376000(1880.00 MHz) 380500(1902.50 MHz)	15 MHz	$\pi/2$ BPSK	1 RB Full RB
		372000(1860.00 MHz) 376000(1880.00 MHz) 380000(1900.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	With shielding case, Without shielding case	376000(1880.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions above 1GHz	With shielding case, Without shielding case	370500(1852.50 MHz) 376000(1880.00 MHz) 381500(1907.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB
		372000(1860.00 MHz) 376000(1880.00 MHz) 380000(1900.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
Frequency Stability	Without shielding case	370500(1852.50 MHz) 381500(1907.50 MHz)	5 MHz	$\pi/2$ BPSK	Full RB
		371000(1855.00 MHz) 381000(1905.00 MHz)	10 MHz	$\pi/2$ BPSK	Full RB
		371500(1857.50 MHz) 380500(1902.50 MHz)	15 MHz	$\pi/2$ BPSK	Full RB
		372000(1860.00 MHz) 380000(1900.00 MHz)	20 MHz	$\pi/2$ BPSK	Full RB



3.3.2 NR n5 SCS 15 kHz

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	Without shielding case	165300(826.50 MHz) 167300(836.50 MHz) 169300(846.50 MHz)	5 MHz	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	Without shielding case	167300(836.50 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	Without shielding case	165300(826.50 MHz) 167300(836.50 MHz) 169300(846.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		165800(829.00 MHz) 167300(836.50 MHz) 168800(844.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		166300(831.50 MHz) 167300(836.50 MHz) 168300(841.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		166800(834.00 MHz) 167300(836.50 MHz) 167800(839.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	Without shielding case	165300(826.50 MHz) 167300(836.50 MHz) 169300(846.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		165800(829.00 MHz) 167300(836.50 MHz) 168800(844.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		166300(831.50 MHz) 167300(836.50 MHz) 168300(841.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		166800(834.00 MHz) 167300(836.50 MHz) 167800(839.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	Without shielding case	165300(826.50 MHz) 167300(836.50 MHz) 169300(846.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB Full RB
		165800(829.00 MHz) 167300(836.50 MHz) 168800(844.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB Full RB
		166300(831.50 MHz) 167300(836.50 MHz) 168300(841.50 MHz)	15 MHz	$\pi/2$ BPSK	1 RB Full RB
		166800(834.00 MHz) 167300(836.50 MHz) 167800(839.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	With shielding case, Without shielding case	167300(836.50 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions above 1GHz	With shielding case, Without shielding case	166800(834.00 MHz) 167300(836.50 MHz) 167800(839.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
Frequency Stability	Without shielding case	165300(826.50 MHz) 169300(846.50 MHz)	5 MHz	$\pi/2$ BPSK	Full RB
		165800(829.00 MHz) 168800(844.00 MHz)	10 MHz	$\pi/2$ BPSK	Full RB
		166300(831.50 MHz) 168300(841.50 MHz)	15 MHz	$\pi/2$ BPSK	Full RB
		166800(834.00 MHz) 167800(839.00 MHz)	20 MHz	$\pi/2$ BPSK	Full RB

3.3.3 NR n7 SCS 15 kHz

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	Without shielding case	500500(2502.50 MHz) 507000(2535.00 MHz) 513500(2567.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		501000(2505.00 MHz) 507000(2535.00 MHz) 513000(2565.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		501500(2507.50 MHz) 507000(2535.00 MHz) 512500(2562.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		502000(2510.00 MHz) 507000(2535.00 MHz) 512000(2560.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	Without shielding case	507000(2535.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	Without shielding case	500500(2502.50 MHz) 507000(2535.00 MHz) 513500(2567.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		501000(2505.00 MHz) 507000(2535.00 MHz) 513000(2565.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		501500(2507.50 MHz) 507000(2535.00 MHz) 512500(2562.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		502000(2510.00 MHz) 507000(2535.00 MHz) 512000(2560.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth		500500(2502.50 MHz) 507000(2535.00 MHz) 513500(2567.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		501000(2505.00 MHz) 507000(2535.00 MHz) 513000(2565.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		501500(2507.50 MHz) 507000(2535.00 MHz) 512500(2562.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		502000(2510.00 MHz) 507000(2535.00 MHz) 512000(2560.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	Without shielding case	500500(2502.50 MHz) 507000(2535.00 MHz) 513500(2567.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB Full RB
		501000(2505.00 MHz) 507000(2535.00 MHz) 513000(2565.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB Full RB
		501500(2507.50 MHz) 507000(2535.00 MHz) 512500(2562.50 MHz)	15 MHz	$\pi/2$ BPSK	1 RB Full RB
		502000(2510.00 MHz) 507000(2535.00 MHz) 512000(2560.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	With shielding case, Without shielding case	507000(2535.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions above 1GHz	With shielding case, Without shielding case	500500(2502.50 MHz) 507000(2535.00 MHz) 513500(2567.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB
		502000(2510.00 MHz) 507000(2535.00 MHz) 512000(2560.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
Frequency Stability	Without shielding case	500500(2502.50 MHz) 513500(2567.50 MHz)	5 MHz	$\pi/2$ BPSK	Full RB
		501000(2505.00 MHz) 513000(2565.00 MHz)	10 MHz	$\pi/2$ BPSK	Full RB
		501500(2507.50 MHz) 512500(2562.50 MHz)	15 MHz	$\pi/2$ BPSK	Full RB
		502000(2510.00 MHz) 512000(2560.00 MHz)	20 MHz	$\pi/2$ BPSK	Full RB

3.3.4 NR n41 SCS 30 kHz

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	Without shielding case	500202(2501.01 MHz) 518598(2592.99 MHz) 537000(2685.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		500700(2503.50 MHz) 518598(2592.99 MHz) 536496(2682.48 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		501204(2506.02 MHz) 518598(2592.99 MHz) 535998(2679.99 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		503202(2516.01 MHz) 518598(2592.99 MHz) 534000(2670.00 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		504204(2521.02 MHz) 518598(2592.99 MHz) 532998(2664.99 MHz)	50 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		505200(2526.00 MHz) 518598(2592.99 MHz) 531996(2659.98 MHz)	60 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Modulation Characteristics	Without shielding case	518598 (2592.99 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	Without shielding case	500202(2501.01 MHz) 518598(2592.99 MHz) 537000(2685.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		500700(2503.50 MHz) 518598(2592.99 MHz) 536496(2682.48 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		501204(2506.02 MHz) 518598(2592.99 MHz) 535998(2679.99 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		503202(2516.01 MHz) 518598(2592.99 MHz) 534000(2670.00 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		504204(2521.02 MHz) 518598(2592.99 MHz) 532998(2664.99 MHz)	50 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		505200(2526.00 MHz) 518598(2592.99 MHz) 531996(2659.98 MHz)	60 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	Without shielding case	500202(2501.01 MHz) 518598(2592.99 MHz) 537000(2685.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		500700(2503.50 MHz) 518598(2592.99 MHz) 536496(2682.48 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		501204(2506.02 MHz) 518598(2592.99 MHz) 535998(2679.99 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		503202(2516.01 MHz) 518598(2592.99 MHz) 534000(2670.00 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		504204(2521.02 MHz) 518598(2592.99 MHz) 532998(2664.99 MHz)	50 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		505200(2526.00 MHz) 518598(2592.99 MHz) 531996(2659.98 MHz)	60 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	Without shielding case	500202(2501.01 MHz) 518598(2592.99 MHz) 537000(2685.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB Full RB
		500700(2503.50 MHz) 518598(2592.99 MHz) 536496(2682.48 MHz)	15 MHz	$\pi/2$ BPSK	1 RB Full RB
		501204(2506.02 MHz) 518598(2592.99 MHz) 535998(2679.99 MHz)	20 MHz	$\pi/2$ BPSK	1 RB Full RB
		503202(2516.01 MHz) 518598(2592.99 MHz) 534000(2670.00 MHz)	40 MHz	$\pi/2$ BPSK	1 RB Full RB
		504204(2521.02 MHz) 518598(2592.99 MHz) 532998(2664.99 MHz)	50 MHz	$\pi/2$ BPSK	1 RB Full RB
		505200(2526.00 MHz) 518598(2592.99 MHz) 531996(2659.98 MHz)	60 MHz	$\pi/2$ BPSK	1 RB Full RB
		506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	$\pi/2$ BPSK	1 RB Full RB
		507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	$\pi/2$ BPSK	1 RB Full RB
		508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	$\pi/2$ BPSK	1 RB Full RB
		509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	$\pi/2$ BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	With shielding case, Without shielding case	518598(2592.99 MHz)	100 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions above 1GHz	With shielding case, Without shielding case	500202(2501.01 MHz) 518598(2592.99 MHz) 537000(2685.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB
		504204(2521.02 MHz) 518598(2592.99 MHz) 532998(2664.99 MHz)	50 MHz	$\pi/2$ BPSK	1 RB
		509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	$\pi/2$ BPSK	1 RB



Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	Without shielding case	500202(2501.01 MHz) 537000(2685.00 MHz)	10 MHz	$\pi/2$ BPSK	Full RB
		500700(2503.50 MHz) 536496(2682.48 MHz)	15 MHz	$\pi/2$ BPSK	Full RB
		501204(2506.02 MHz) 535998(2679.99 MHz)	20 MHz	$\pi/2$ BPSK	Full RB
		503202(2516.01 MHz) 534000(2670.00 MHz)	40 MHz	$\pi/2$ BPSK	Full RB
		504204(2521.02 MHz) 532998(2664.99 MHz)	50 MHz	$\pi/2$ BPSK	Full RB
		505200(2526.00 MHz) 518598(2592.99 MHz) 531996(2659.98 MHz)	60 MHz	$\pi/2$ BPSK	Full RB
		506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	$\pi/2$ BPSK	Full RB
		507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	$\pi/2$ BPSK	Full RB
		508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	$\pi/2$ BPSK	Full RB
		509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	$\pi/2$ BPSK	Full RB

3.3.5 NR n66 SCS 15 kHz

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	Without shielding case	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	Without shielding case	349000(1745.00 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	Without shielding case	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		343000(1715.00 MHz) 349000(1745.00 MHz) 355000(1775.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		343500(1717.50 MHz) 349000(1745.00 MHz) 354500(1772.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		344000(1720.00 MHz) 349000(1745.00 MHz) 354000(1770.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	Without shielding case	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		343000(1715.00 MHz) 349000(1745.00 MHz) 355000(1775.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		343500(1717.50 MHz) 349000(1745.00 MHz) 354500(1772.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		344000(1720.00 MHz) 349000(1745.00 MHz) 354000(1770.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	Without shielding case	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB Full RB
		343000(1715.00 MHz) 349000(1745.00 MHz) 355000(1775.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB Full RB
		343500(1717.50 MHz) 349000(1745.00 MHz) 354500(1772.50 MHz)	15 MHz	$\pi/2$ BPSK	1 RB Full RB
		344000(1720.00 MHz) 349000(1745.00 MHz) 354000(1770.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB Full RB
		346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	$\pi/2$ BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	With shielding case, Without shielding case	349000(1745.00 MHz)	40 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions above 1GHz	With shielding case, Without shielding case	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB
		344000(1720.00 MHz) 349000(1745.00 MHz) 354000(1770.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
		346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	$\pi/2$ BPSK	1 RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	Without shielding case	342500(1712.50 MHz) 355500(1777.50 MHz)	5 MHz	$\pi/2$ BPSK	Full RB
		343000(1715.00 MHz) 355000(1775.00 MHz)	10 MHz	$\pi/2$ BPSK	Full RB
		343500(1717.50 MHz) 354500(1772.50 MHz)	15 MHz	$\pi/2$ BPSK	Full RB
		344000(1720.00 MHz) 354000(1770.00 MHz)	20 MHz	$\pi/2$ BPSK	Full RB
		346000(1730.00 MHz) 352000(1760.00 MHz)	40 MHz	$\pi/2$ BPSK	Full RB

3.3.6 NR n71 SCS 15 kHz

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	Without shielding case	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		134100(670.50 MHz) 136100(680.50 MHz) 138100(690.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	Without shielding case	136100(680.50 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	Without shielding case	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		134100(670.50 MHz) 136100(680.50 MHz) 138100(690.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	Without shielding case	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		134100(670.50 MHz) 136100(680.50 MHz) 138100(690.50 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	Without shielding case	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB Full RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB Full RB
		134100(670.50 MHz) 136100(680.50 MHz) 138100(690.50 MHz)	15 MHz	$\pi/2$ BPSK	1 RB Full RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	With shielding case, Without shielding case	136100(680.50 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions above 1GHz	With shielding case, Without shielding case	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	$\pi/2$ BPSK	1 RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB
Frequency Stability	Without shielding case	133100(665.50 MHz) 139100(695.50 MHz)	5 MHz	$\pi/2$ BPSK	Full RB
		133600(668.00 MHz) 138600(693.00 MHz)	10 MHz	$\pi/2$ BPSK	Full RB
		134100(670.50 MHz) 138100(690.50 MHz)	15 MHz	$\pi/2$ BPSK	Full RB
		134600(673.00 MHz) 137600(688.00 MHz)	20 MHz	$\pi/2$ BPSK	Full RB

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

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	Without shielding case	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		633334 (3500.01 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Modulation Characteristics	Without shielding case	633334 (3500.01 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	Without shielding case	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		630500(3457.50 MHz) 633334(3500.01 MHz) 636166(3542.49 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		630668(3460.02 MHz) 633334(3500.01 MHz) 636000(3540.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		631000(3465.00 MHz) 633334(3500.01 MHz) 635666(3534.99 MHz)	30 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		631334(3470.01 MHz) 633334(3500.01 MHz) 635332(3529.98 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		632334 (3485.01 MHz) 633334 (3500.01 MHz) 634332 (3514.98 MHz)	70 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		633334 (3500.01 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB



Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	Without shielding case	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		630500(3457.50 MHz) 633334(3500.01 MHz) 636166(3542.49 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		630668(3460.02 MHz) 633334(3500.01 MHz) 636000(3540.00 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		631000(3465.00 MHz) 633334(3500.01 MHz) 635666(3534.99 MHz)	30 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		631334(3470.01 MHz) 633334(3500.01 MHz) 635332(3529.98 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		632334 (3485.01 MHz) 633334 (3500.01 MHz) 634332 (3514.98 MHz)	70 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
633334 (3500.01 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB		

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	Without shielding case	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	$\pi/2$ BPSK	1 RB Full RB
		630500(3457.50 MHz) 633334(3500.01 MHz) 636166(3542.49 MHz)	15 MHz	$\pi/2$ BPSK	1 RB Full RB
		630668(3460.02 MHz) 633334(3500.01 MHz) 636000(3540.00 MHz)	20 MHz	$\pi/2$ BPSK	1 RB Full RB
		631000(3465.00 MHz) 633334(3500.01 MHz) 635666(3534.99 MHz)	30 MHz	$\pi/2$ BPSK	1 RB Full RB
		631334(3470.01 MHz) 633334(3500.01 MHz) 635332(3529.98 MHz)	40 MHz	$\pi/2$ BPSK	1 RB Full RB
		631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	$\pi/2$ BPSK	1 RB Full RB
		632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	$\pi/2$ BPSK	1 RB Full RB
		632334 (3485.01 MHz) 633334 (3500.01 MHz) 634332 (3514.98 MHz)	70 MHz	$\pi/2$ BPSK	1 RB Full RB
		632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	$\pi/2$ BPSK	1 RB Full RB
		633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	$\pi/2$ BPSK	1 RB Full RB
		633334 (3500.01 MHz)	100 MHz	$\pi/2$ BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	With shielding case, Without shielding case	633334(3500.01 MHz)	100 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions above 1GHz	With shielding case, Without shielding case	630334(3455.01 MHz) 633334(3500.01 MHz) 636332(3544.98 MHz)	10 MHz	$\pi/2$ BPSK	1 RB
		631668(3475.02 MHz) 633334(3500.01 MHz) 635000(3525.00 MHz)	50 MHz	$\pi/2$ BPSK	1 RB
		633334 (3500.01 MHz)	100 MHz	$\pi/2$ BPSK	1 RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	Without shielding case	630334(3455.01 MHz) 636332(3544.98 MHz)	10 MHz	$\pi/2$ BPSK	Full RB
		630500(3457.50 MHz) 636166(3542.49 MHz)	15 MHz	$\pi/2$ BPSK	Full RB
		630668(3460.02 MHz) 636000(3540.00 MHz)	20 MHz	$\pi/2$ BPSK	Full RB
		631000(3465.00 MHz) 635666(3534.99 MHz)	30 MHz	$\pi/2$ BPSK	Full RB
		631334(3470.01 MHz) 635332(3529.98 MHz)	40 MHz	$\pi/2$ BPSK	Full RB
		631668(3475.02 MHz) 635000(3525.00 MHz)	50 MHz	$\pi/2$ BPSK	Full RB
		632000 (3480.00 MHz) 634666 (3519.99 MHz)	60 MHz	$\pi/2$ BPSK	Full RB
		632334 (3485.01 MHz) 634332 (3514.98 MHz)	70 MHz	$\pi/2$ BPSK	Full RB
		632668 (3490.02 MHz) 634000 (3510.00 MHz)	80 MHz	$\pi/2$ BPSK	Full RB
		633000 (3495.00 MHz) 633666 (3504.99 MHz)	90 MHz	$\pi/2$ BPSK	Full RB
		633334 (3500.01 MHz)	100 MHz	$\pi/2$ BPSK	Full RB

3.3.8 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	Without shielding case	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ 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	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Modulation Characteristics	Without shielding case	656000(3840.00 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	Without shielding case	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		647168(3707.52 MHz) 656000(3840.00 MHz) 664832(3972.48 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		647334(3710.01 MHz) 656000(3840.00 MHz) 664666(3969.99 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		647668(3715.02 MHz) 656000(3840.00 MHz) 664332(3964.98 MHz)	30 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		648000(3720.00 MHz) 656000(3840.00 MHz) 664000(3960.00 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB		

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	Without shielding case	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		647168(3707.52 MHz) 656000(3840.00 MHz) 664832(3972.48 MHz)	15 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		647334(3710.01 MHz) 656000(3840.00 MHz) 664666(3969.99 MHz)	20 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		647668(3715.02 MHz) 656000(3840.00 MHz) 664332(3964.98 MHz)	30 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		648000(3720.00 MHz) 656000(3840.00 MHz) 664000(3960.00 MHz)	40 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB		

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	Without shielding case	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB Full RB
		647168(3707.52 MHz) 656000(3840.00 MHz) 664832(3972.48 MHz)	15 MHz	$\pi/2$ BPSK	1 RB Full RB
		647334(3710.01 MHz) 656000(3840.00 MHz) 664666(3969.99 MHz)	20 MHz	$\pi/2$ BPSK	1 RB Full RB
		647668(3715.02 MHz) 656000(3840.00 MHz) 664332(3964.98 MHz)	30 MHz	$\pi/2$ BPSK	1 RB Full RB
		648000(3720.00 MHz) 656000(3840.00 MHz) 664000(3960.00 MHz)	40 MHz	$\pi/2$ BPSK	1 RB Full RB
		648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	$\pi/2$ BPSK	1 RB Full RB
		648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	$\pi/2$ BPSK	1 RB Full RB
		649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	$\pi/2$ BPSK	1 RB Full RB
		649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	$\pi/2$ BPSK	1 RB Full RB
		649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	$\pi/2$ BPSK	1 RB Full RB
		650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	$\pi/2$ BPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz (PC2)	With shielding case, Without shielding case	636666(3954.99 MHz)	50 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions below 1GHz (PC3)	With shielding case, Without shielding case	656000(3840.00 MHz)	100 MHz	$\pi/2$ BPSK	1 RB
Radiated Spurious Emissions above 1GHz	With shielding case, Without shielding case	647000(3705.00 MHz) 656000(3840.00 MHz) 665000(3975.00 MHz)	10 MHz	$\pi/2$ BPSK	1 RB
		648334(3725.01 MHz) 656000(3840.00 MHz) 663666(3954.99 MHz)	50 MHz	$\pi/2$ BPSK	1 RB
		650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	$\pi/2$ BPSK	1 RB

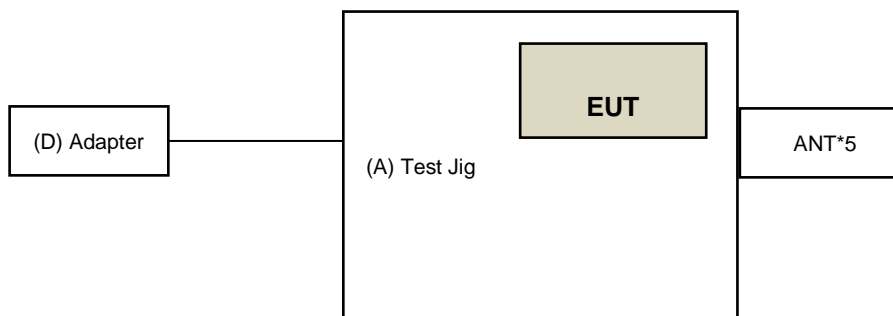
Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Frequency Stability	Without shielding case	647000(3705.00 MHz) 665000(3975.00 MHz)	10 MHz	$\pi/2$ BPSK	Full RB
		647168(3707.52 MHz) 664832(3972.48 MHz)	15 MHz	$\pi/2$ BPSK	Full RB
		647334(3710.01 MHz) 664666(3969.99 MHz)	20 MHz	$\pi/2$ BPSK	Full RB
		647668(3715.02 MHz) 664332(3964.98 MHz)	30 MHz	$\pi/2$ BPSK	Full RB
		648000(3720.00 MHz) 664000(3960.00 MHz)	40 MHz	$\pi/2$ BPSK	Full RB
		648334(3725.01 MHz) 663666(3954.99 MHz)	50 MHz	$\pi/2$ BPSK	Full RB
		648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	$\pi/2$ BPSK	Full RB
		649000 (3735.00 MHz) 656000 (3840.00 MHz) 663000 (3945.00 MHz)	70 MHz	$\pi/2$ BPSK	Full RB
		649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	$\pi/2$ BPSK	Full RB
		649668 (3745.02 MHz) 656000 (3840.00 MHz) 662332 (3934.98 MHz)	90 MHz	$\pi/2$ BPSK	Full RB
		650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	$\pi/2$ BPSK	Full RB



### 3.4 Test Program Used and Operation Descriptions

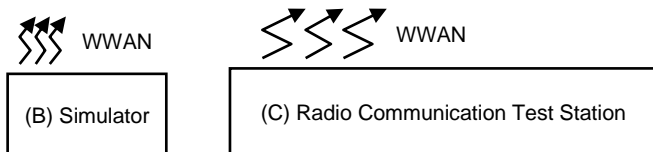
There is no need to controlling software during the test, and the EUT can be paired with the Radio Communication Analyzer to test the connection when it is powered on.

### 3.5 Connection Diagram of EUT and Peripheral Devices



-----  
**Under Table**

-----  
**Remote Site**



### 3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Test Jig	N/A	N/A	N/A	N/A	Supplied by applicant
B	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	N/A	Provided by Lab
C	Radio Communication Test Station	Anritsu	MT8000A	6272278595	N/A	Provided by Lab
D	ADAPTER	LEADER	MU12B1120100-A1	N/A	N/A	Supplied by applicant

## 4 Test Instruments

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

### 4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030B	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	2024/5/26	2025/5/25

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/6/20 ~ 2024/7/10

### 4.2 Modulation Characteristics

Refer to section 4.1 to get the tested date and information of the instruments.

### 4.3 Peak to Average Ratio

Refer to section 4.1 to get the tested date and information of the instruments.

### 4.4 Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

### 4.5 Conducted Spurious Emissions

Refer to section 4.1 to get the tested date and information of the instruments.

#### 4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-472	2023/10/16	2024/10/15
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28	2024/12/27
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
MXE EMI Receiver Agilent	N9038A	MY51210203	2023/8/24	2024/8/23
Preamplifier EMCI	EMC 330H	980112	2023/9/27	2024/9/26
	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-Ch10-01	2023/9/27	2024/9/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2024/6/7

#### 4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	7	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28	2024/12/27
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-969	2023/11/12	2024/11/11
	BBHA 9170	148	2023/11/12	2024/11/11
MXE EMI Receiver Agilent	N9038A	MY51210203	2023/8/24	2024/8/23
Preamplifier EMCI	EMC 012645	980115	2023/9/27	2024/9/26
	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
	EMC104-SM-SM- 8000+3000	171005	2023/9/27	2024/9/26
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	EMC104-SM-SM- 1000(140807)	2023/9/27	2024/9/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2024/6/3 ~ 2024/6/25

#### 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	8050A	4660081	2024/6/14	2025/6/13
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
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2024/5/26	2025/5/25

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/7/18

## 5 Limits of Test Items

### 5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

#### For NR n5 SCS 15 kHz, NR n66 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 n71 SCS 15 kHz:

Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

#### For NR n7 SCS 15 kHz, NR n41 SCS 30 kHz:

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

#### For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

Mobile and portable stations are limited to 1 Watt EIRP.

#### For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

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, NR n66 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 n71 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 n7 SCS 15 kHz, NR n41 SCS 30 kHz:

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

### For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

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):

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.

## 5.6 Radiated Spurious Emissions below 1GHz

### For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz, NR n66 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 n71 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 n7 SCS 15 kHz, NR n41 SCS 30 kHz:

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

### For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

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):

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, NR n66 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 n71 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 n7 SCS 15 kHz, NR n41 SCS 30 kHz:

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

### For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

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):

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, NR n66 SCS 15 kHz:

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

### For NR n2 SCS 15 kHz, NR n7 SCS 15 kHz, NR n41 SCS 30 kHz, NR n71 SCS 15 kHz, NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

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

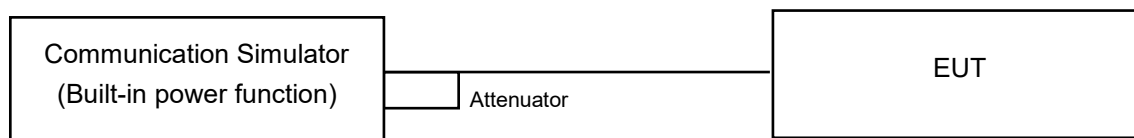


## 6 Test Arrangements

### 6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

#### 6.1.1 Test Setup

##### Conducted Power Measurement:



#### 6.1.2 Test Procedure

##### Conducted Power Measurement:

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

##### 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:

$$\text{EIRP} = P_{\text{Meas}} + G_{\text{T}}$$

$$\text{ERP} = P_{\text{Meas}} + G_{\text{T}} - 2.15$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively

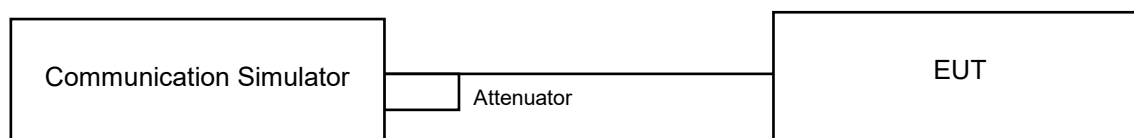
(expressed in the same units as  $P_{\text{Meas}}$ , e.g., dBm or dBW)

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

$G_{\text{T}}$  gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

### 6.2 Modulation Characteristics

#### 6.2.1 Test Setup

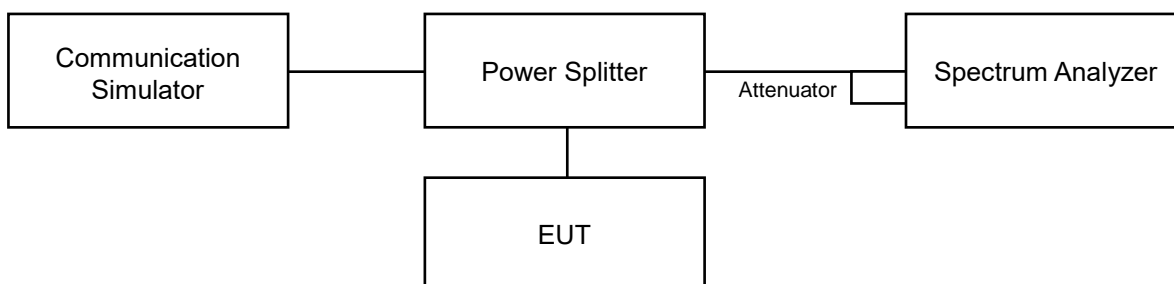


#### 6.2.2 Test Procedure

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

## 6.3 Peak to Average Ratio

### 6.3.1 Test Setup

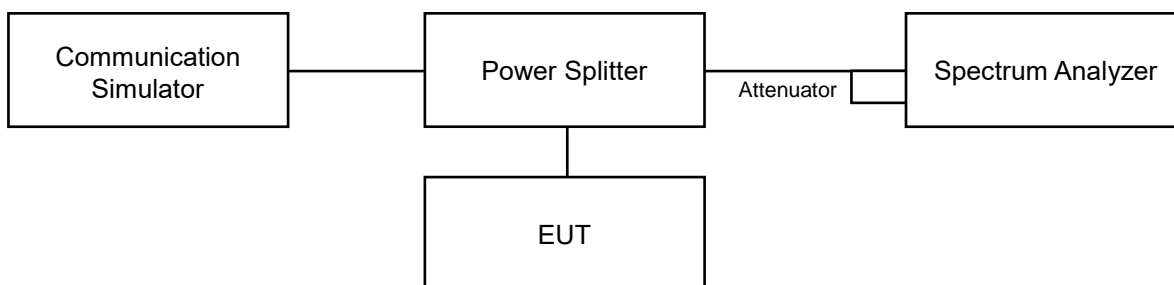


### 6.3.2 Test Procedure

- a. Set resolution/measurement bandwidth  $\geq$  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.

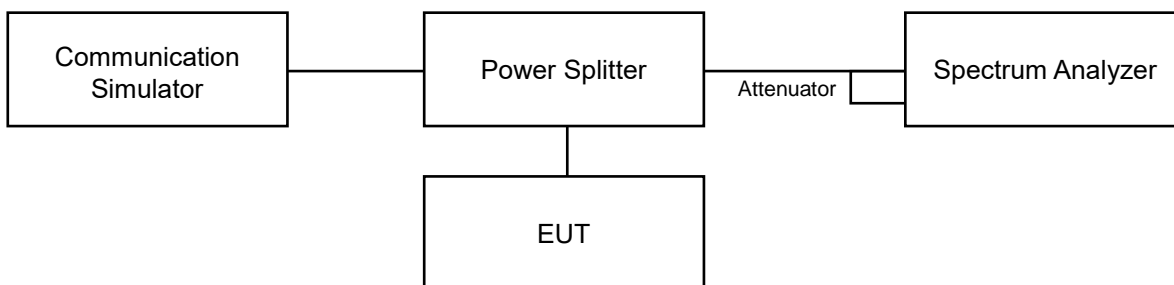
- a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set  $\geq 3 \times$  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  $\geq 3 \times$  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



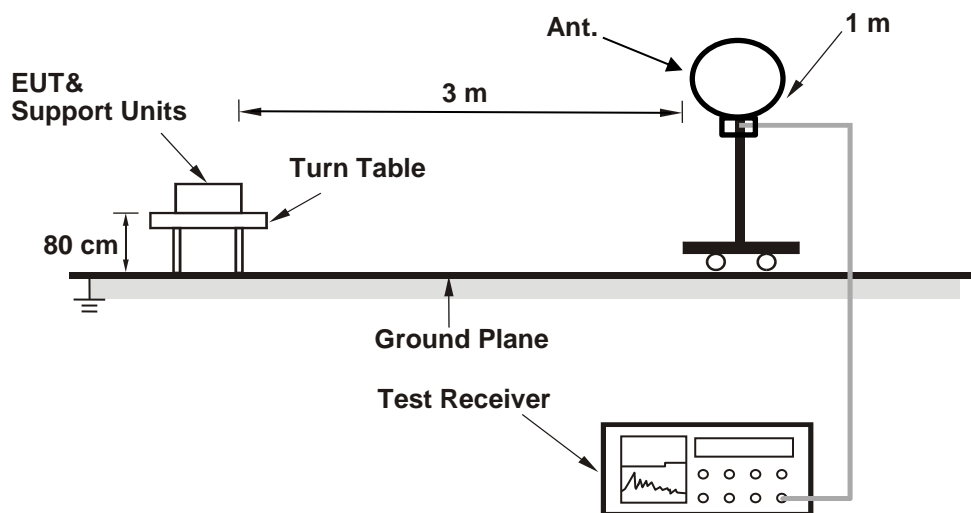
### 6.5.2 Test Procedure

- 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 highest 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  $\geq$  100 kHz, VBW  $\geq$  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] +  $10 \cdot \log(1000/100)$ . To compensate for this integration before comparison to the limit, the limit line was reduced by 10 dB accordingly. Alternatively, in cases where the limit line was not adjusted, the reference level was increased by 10 dB accordingly.
- i. Record the maximum power value test plot.

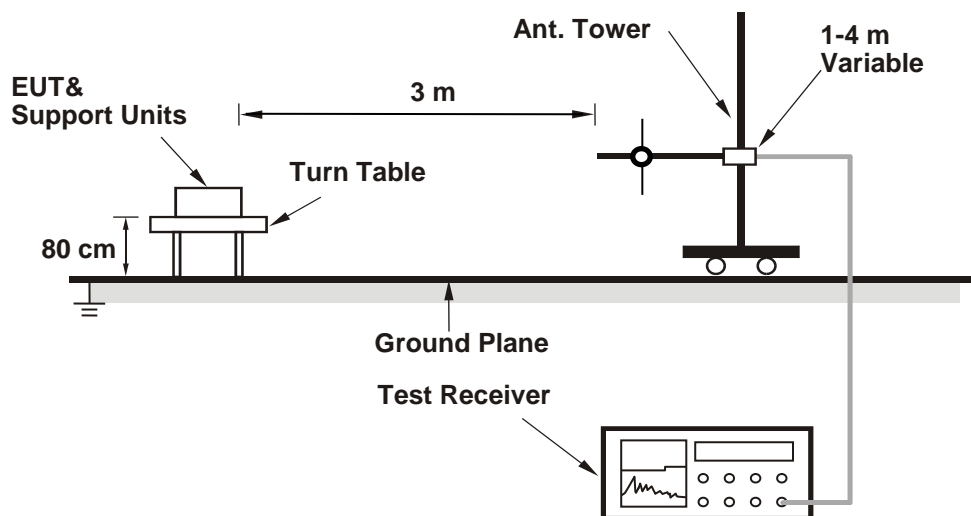
## 6.6 Radiated Spurious Emissions below 1GHz

### 6.6.1 Test Setup

#### For Radiated emission below 30 MHz



#### For Radiated emission above 30 MHz



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.

- 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.
- 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.
- 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.
- Following ANSI C63.26 section 5.5 and 5.2.7
- $EIRP \text{ (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$ ; where D is the measurement distance (in the far field region) in m.

- f.  $ERP \text{ (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8 - 2.15$ ; where D is the measurement distance (in the far field region) in m.

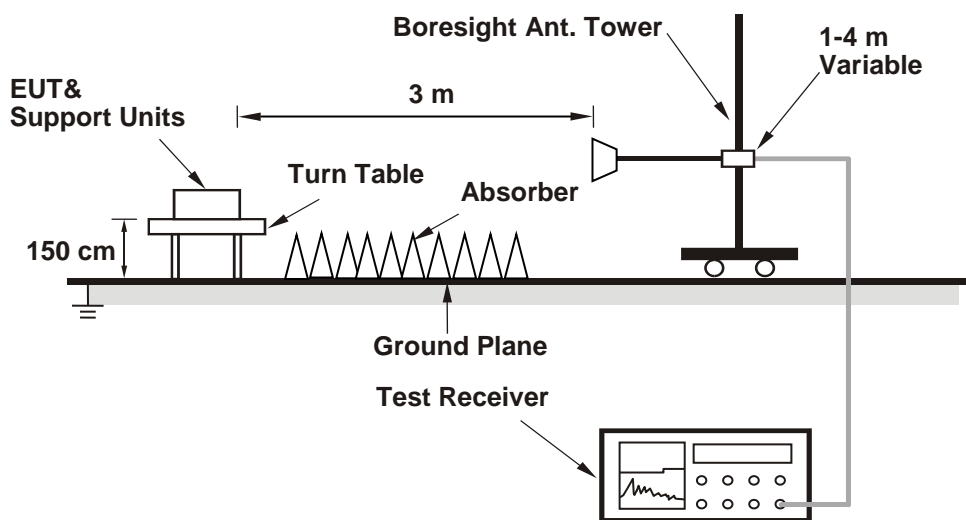
Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.
2. The amplitude of spurious emissions in the range 9 kHz to 30 MHz which are attenuated more than 20 dB below the permissible value need not be reported.

## 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.

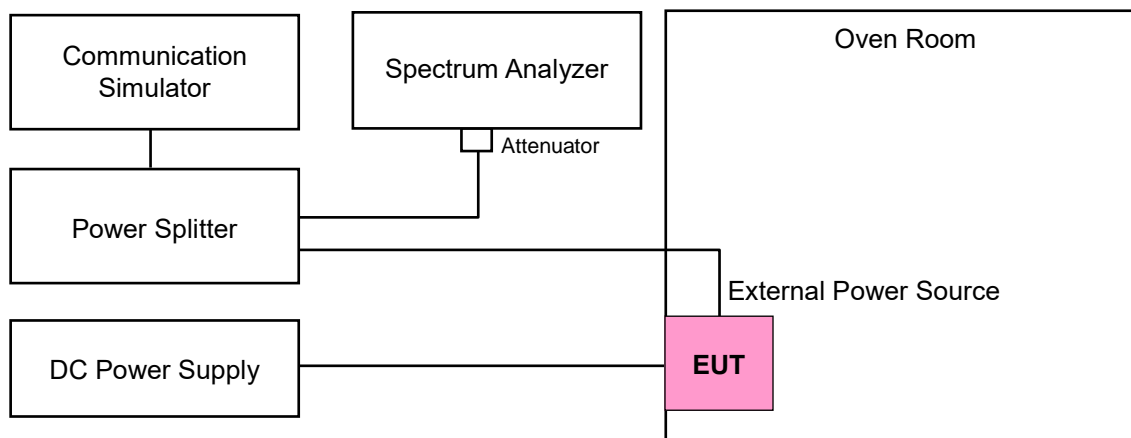
- a. In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. 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.  $EIRP \text{ (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$ ; where D is the measurement distance (in the far field region) in m.
- f.  $ERP \text{ (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8 - 2.15$ ; 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.

- 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.
- 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.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the  $\pm 0.5^{\circ}\text{C}$  during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

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



## 7 Test Results of Test Item

### 7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	4.7 Vdc	Environmental Conditions:	23°C, 71% RH	Tested By:	Noah Chang
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#### 7.1.1 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 BPSK	1	1	23.66	23.66	23.65
	1	13	23.44	23.42	23.41
	1	23	23.42	23.53	23.39
	12	0	22.97	23.25	23.09
	12	7	23.65	23.66	23.65
	12	13	23.08	23.01	22.91
	25	0	23.13	23.14	23.01
DFT-S QPSK	1	1	23.45	23.53	23.39
	1	13	23.34	23.59	23.48
	1	23	23.42	23.60	23.55
	12	0	22.73	22.67	22.52
	12	7	22.58	22.63	22.41
	12	13	22.67	22.68	22.55
	25	0	22.69	22.75	22.59
DFT-S 16 QAM	1	1	22.85	22.70	22.60
DFT-S 64 QAM	1	1	21.45	21.51	21.38
DFT-S 256 QAM	1	1	19.22	19.34	19.20
CP QPSK	1	1	22.07	22.26	22.08

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.91	24.94	23.66	25.69	33.01
DFT-S QPSK	22.41	24.44	23.6	25.63	33.01
DFT-S 16QAM	22.6	24.63	22.85	24.88	33.01
DFT-S 64QAM	21.38	23.41	21.51	23.54	33.01
DFT-S 256QAM	19.2	21.23	19.34	21.37	33.01
CP QPSK	22.07	24.1	22.26	24.29	33.01

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 BPSK	1	1	23.39	23.59	23.46
	1	26	23.30	23.62	23.49
	1	50	23.44	23.49	23.35
	25	0	22.89	22.94	22.86
	25	14	23.43	23.58	23.30
	25	27	23.00	23.01	22.91
	50	0	22.96	23.01	23.07
DFT-S QPSK	1	1	23.38	23.32	23.29
	1	26	22.63	22.79	22.55
	1	50	23.51	23.61	23.48
	25	0	22.60	22.47	22.50
	25	14	23.64	23.66	23.73
	25	27	22.70	22.65	22.55
	50	0	22.63	22.62	22.66
DFT-S 16 QAM	1	1	22.20	22.46	22.33
DFT-S 64 QAM	1	1	21.16	21.24	20.92
DFT-S 256 QAM	1	1	19.14	19.13	19.12
CP QPSK	1	1	21.96	22.08	21.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.86	24.89	23.62	25.65	33.01
DFT-S QPSK	22.47	24.5	23.73	25.76	33.01
DFT-S 16QAM	22.2	24.23	22.46	24.49	33.01
DFT-S 64QAM	20.92	22.95	21.24	23.27	33.01
DFT-S 256QAM	19.12	21.15	19.14	21.17	33.01
CP QPSK	21.87	23.9	22.08	24.11	33.01

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 BPSK	1	1	23.31	23.34	23.44
	1	40	23.29	23.60	23.52
	1	77	23.56	23.60	23.42
	36	0	23.00	23.13	23.10
	36	22	23.63	23.46	23.49
	36	43	23.16	23.16	23.19
	75	0	23.24	23.29	23.33
DFT-S QPSK	1	1	23.20	23.35	23.23
	1	40	23.20	23.26	23.12
	1	77	23.35	23.56	23.35
	36	0	22.42	22.52	22.48
	36	22	23.49	23.57	23.59
	36	43	22.48	22.66	22.66
	75	0	22.60	22.73	22.51
DFT-S 16 QAM	1	1	22.29	22.23	22.25
DFT-S 64QAM	1	1	20.95	21.19	20.91
DFT-S 256QAM	1	1	18.80	18.85	18.69
CP QPSK	1	1	21.98	21.99	21.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	23	25.03	23.63	25.66	33.01
DFT-S QPSK	22.42	24.45	23.59	25.62	33.01
DFT-S 16QAM	22.23	24.26	22.29	24.32	33.01
DFT-S 64QAM	20.91	22.94	21.19	23.22	33.01
DFT-S 256QAM	18.69	20.72	18.85	20.88	33.01
CP QPSK	21.9	23.93	21.99	24.02	33.01

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 BPSK	1	1	23.52	23.75	23.53
	1	53	23.22	23.52	23.38
	1	104	23.14	23.33	23.33
	50	0	23.14	23.16	23.05
	50	28	23.60	23.50	23.48
	50	56	23.02	23.04	22.92
	100	0	23.00	23.07	22.97
DFT-S QPSK	1	1	23.13	23.15	23.01
	1	53	23.36	23.43	23.31
	1	104	23.18	23.31	23.40
	50	0	21.85	22.02	21.94
	50	28	22.83	22.88	22.91
	50	56	22.14	22.31	21.94
	100	0	22.30	22.37	22.24
DFT-S 16QAM	1	1	22.02	22.21	22.07
DFT-S 64QAM	1	1	21.05	20.97	20.90
DFT-S 256QAM	1	1	18.73	18.77	18.72
CP QPSK	1	1	21.55	21.84	21.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.92	24.95	23.75	25.78	33.01
DFT-S QPSK	21.85	23.88	23.43	25.46	33.01
DFT-S 16QAM	22.02	24.05	22.21	24.24	33.01
DFT-S 64QAM	20.9	22.93	21.05	23.08	33.01
DFT-S 256QAM	18.72	20.75	18.77	20.8	33.01
CP QPSK	21.55	23.58	21.84	23.87	33.01

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

## 7.1.2 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 BPSK	1	1	23.39	23.24	23.32
	1	13	22.99	23.24	23.02
	1	23	22.98	23.13	23.05
	12	0	22.93	22.89	22.80
	12	7	22.34	22.42	22.15
	12	13	22.70	22.94	22.67
	25	0	22.71	22.93	22.84
DFT-S QPSK	1	1	23.33	23.58	23.53
	1	13	23.31	23.38	23.31
	1	23	23.02	23.28	23.21
	12	0	22.46	22.56	22.42
	12	7	22.34	22.48	22.24
	12	13	22.31	22.38	22.24
	25	0	22.43	22.44	22.25
DFT-S 16 QAM	1	1	22.44	22.55	22.22
DFT-S 64 QAM	1	1	20.82	21.01	20.81
DFT-S 256 QAM	1	1	18.44	18.57	18.42
CP QPSK	1	1	21.82	21.86	21.81

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum Cond. Power (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
DFT-S BPSK	22.15	22.63	23.39	23.87	38.45
DFT-S QPSK	22.24	22.72	23.58	24.06	38.45
DFT-S 16QAM	22.22	22.7	22.55	23.03	38.45
DFT-S 64QAM	20.81	21.29	21.01	21.49	38.45
DFT-S 256QAM	18.42	18.9	18.57	19.05	38.45
CP QPSK	21.81	22.29	21.86	22.34	38.45

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 BPSK	1	1	23.26	23.08	23.06
	1	26	23.03	23.23	23.09
	1	50	22.97	22.97	22.87
	25	0	22.77	22.83	22.84
	25	14	22.39	22.28	22.30
	25	27	22.75	22.85	22.85
	50	0	22.91	22.86	22.72
DFT-S QPSK	1	1	23.14	23.26	23.17
	1	26	23.10	23.31	23.12
	1	50	22.94	23.09	22.80
	25	0	22.35	22.45	22.35
	25	14	22.21	22.49	22.40
	25	27	22.16	22.35	22.28
	50	0	22.22	22.29	22.27
DFT-S 16 QAM	1	1	22.10	22.28	22.22
DFT-S 64 QAM	1	1	20.64	20.88	20.90
DFT-S 256 QAM	1	1	18.38	18.42	18.37
CP QPSK	1	1	21.87	21.97	21.62

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum Cond. Power (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
DFT-S BPSK	22.28	22.76	23.26	23.74	38.45
DFT-S QPSK	22.16	22.64	23.31	23.79	38.45
DFT-S 16QAM	22.1	22.58	22.28	22.76	38.45
DFT-S 64QAM	20.64	21.12	20.9	21.38	38.45
DFT-S 256QAM	18.37	18.85	18.42	18.9	38.45
CP QPSK	21.62	22.1	21.97	22.45	38.45

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 BPSK	1	1	22.89	23.22	23.01
	1	40	23.13	23.25	23.11
	1	77	23.01	23.18	22.82
	36	0	22.63	22.69	22.71
	36	22	22.04	22.14	22.10
	36	43	22.81	22.78	22.76
	75	0	22.60	22.65	22.66
DFT-S QPSK	1	1	23.03	22.99	23.00
	1	40	23.01	23.25	23.10
	1	77	22.81	23.03	23.02
	36	0	22.18	22.30	22.07
	36	22	22.38	22.43	22.28
	36	43	22.27	22.46	22.26
	75	0	22.19	22.25	22.20
DFT-S 16 QAM	1	1	22.16	22.19	22.14
DFT-S 64QAM	1	1	20.62	20.73	20.70
DFT-S 256QAM	1	1	18.29	18.40	18.13
CP QPSK	1	1	21.61	21.53	21.60

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum Cond. Power (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
DFT-S BPSK	22.04	22.52	23.25	23.73	38.45
DFT-S QPSK	22.07	22.55	23.25	23.73	38.45
DFT-S 16QAM	22.14	22.62	22.19	22.67	38.45
DFT-S 64QAM	20.62	21.1	20.73	21.21	38.45
DFT-S 256QAM	18.13	18.61	18.4	18.88	38.45
CP QPSK	21.53	22.01	21.61	22.09	38.45

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 BPSK	1	1	23.33	23.62	23.20
	1	53	23.22	23.48	23.38
	1	104	23.24	23.33	23.17
	50	0	22.81	22.97	22.74
	50	28	22.59	22.45	22.39
	50	56	22.74	22.82	22.75
	100	0	22.84	22.86	22.83
DFT-S QPSK	1	1	22.92	23.05	22.80
	1	53	23.24	23.34	23.14
	1	104	23.09	23.08	23.10
	50	0	22.42	22.50	22.42
	50	28	22.46	22.60	22.52
	50	56	22.24	22.41	22.39
	100	0	22.31	22.50	22.37
DFT-S 16QAM	1	1	22.06	22.10	22.01
DFT-S 64QAM	1	1	20.82	21.01	20.93
DFT-S 256QAM	1	1	18.71	18.68	18.62
CP QPSK	1	1	21.74	21.77	21.70

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum Cond. Power (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
DFT-S BPSK	22.39	22.87	23.62	24.1	38.45
DFT-S QPSK	22.24	22.72	23.34	23.82	38.45
DFT-S 16QAM	22.01	22.49	22.1	22.58	38.45
DFT-S 64QAM	20.82	21.3	21.01	21.49	38.45
DFT-S 256QAM	18.62	19.1	18.71	19.19	38.45
CP QPSK	21.7	22.18	21.77	22.25	38.45

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



## 7.1.3 NR n7 SCS 15 kHz

**NR n7 SCS 15 kHz, Channel Bandwidth: 5 MHz**

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 500500	CH 507000	CH 513500
			2502.5 MHz	2535 MHz	2567.5 MHz
DFT-S BPSK	1	1	22.89	22.99	23.00
	1	13	22.29	22.54	22.42
	1	23	22.38	22.37	22.24
	12	0	22.05	22.15	22.12
	12	7	22.18	22.35	22.24
	12	13	22.03	22.01	21.85
	25	0	21.84	21.91	21.93
DFT-S QPSK	1	1	22.15	22.33	22.15
	1	13	22.67	22.64	22.53
	1	23	22.33	22.50	22.37
	12	0	21.50	21.64	21.42
	12	7	21.86	21.83	21.81
	12	13	21.63	21.71	21.57
	25	0	21.85	21.86	21.75
DFT-S 16 QAM	1	1	21.47	21.54	21.61
DFT-S 64 QAM	1	1	19.76	19.96	19.88
DFT-S 256 QAM	1	1	18.20	18.20	18.15
CP QPSK	1	1	21.01	21.21	21.13

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.84	24.1	23	25.26	33.01
DFT-S QPSK	21.42	23.68	22.67	24.93	33.01
DFT-S 16QAM	21.47	23.73	21.61	23.87	33.01
DFT-S 64QAM	19.76	22.02	19.96	22.22	33.01
DFT-S 256QAM	18.15	20.41	18.2	20.46	33.01
CP QPSK	21.01	23.27	21.21	23.47	33.01

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

**NR n7 SCS 15 kHz, Channel Bandwidth: 10 MHz**

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 501000	CH 507000	CH 513000
			2505 MHz	2535 MHz	2565 MHz
DFT-S BPSK	1	1	22.00	22.08	21.91
	1	26	22.14	22.14	22.09
	1	50	22.43	22.52	22.41
	25	0	21.82	21.79	21.71
	25	14	22.40	22.44	22.17
	25	27	21.79	21.77	21.75
	50	0	21.85	21.81	21.88
DFT-S QPSK	1	1	22.21	22.23	22.33
	1	26	22.11	22.26	22.20
	1	50	22.32	22.40	22.35
	25	0	21.40	21.47	21.32
	25	14	21.28	21.41	21.26
	25	27	21.22	21.29	21.11
	50	0	21.21	21.38	21.18
DFT-S 16 QAM	1	1	21.22	21.24	21.24
DFT-S 64 QAM	1	1	19.38	19.45	19.20
DFT-S 256 QAM	1	1	17.88	17.97	17.98
CP QPSK	1	1	21.00	21.12	21.12

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.71	23.97	22.52	24.78	33.01
DFT-S QPSK	21.11	23.37	22.4	24.66	33.01
DFT-S 16QAM	21.22	23.48	21.24	23.5	33.01
DFT-S 64QAM	19.2	21.46	19.45	21.71	33.01
DFT-S 256QAM	17.88	20.14	17.98	20.24	33.01
CP QPSK	21	23.26	21.12	23.38	33.01

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

**NR n7 SCS 15 kHz, Channel Bandwidth: 15 MHz**

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 501500	CH 507000	CH 512500
			2507.5 MHz	2535 MHz	2562.5 MHz
DFT-S BPSK	1	1	21.64	21.70	21.76
	1	40	21.89	22.00	21.89
	1	77	21.88	21.88	21.85
	36	0	21.59	21.70	21.53
	36	22	22.01	22.29	21.98
	36	43	21.61	21.84	21.56
	75	0	21.94	21.90	21.75
DFT-S QPSK	1	1	21.86	21.81	21.72
	1	40	22.04	22.25	22.03
	1	77	22.03	22.15	22.08
	36	0	21.28	21.28	21.18
	36	22	21.11	21.24	21.07
	36	43	21.35	21.46	21.28
	75	0	21.28	21.29	21.18
DFT-S 16 QAM	1	1	21.09	21.21	20.94
DFT-S 64QAM	1	1	19.70	19.78	19.58
DFT-S 256QAM	1	1	17.62	17.52	17.63
CP QPSK	1	1	20.62	20.74	20.44

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.53	23.79	22.29	24.55	33.01
DFT-S QPSK	21.07	23.33	22.25	24.51	33.01
DFT-S 16QAM	20.94	23.2	21.21	23.47	33.01
DFT-S 64QAM	19.58	21.84	19.78	22.04	33.01
DFT-S 256QAM	17.52	19.78	17.63	19.89	33.01
CP QPSK	20.44	22.7	20.74	23	33.01

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

**NR n7 SCS 15 kHz, Channel Bandwidth: 20 MHz**

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 502000	CH 507000	CH 512000
			2510 MHz	2535 MHz	2560 MHz
DFT-S BPSK	1	1	22.94	23.00	22.95
	1	53	22.41	22.66	22.38
	1	104	22.35	22.40	22.30
	50	0	22.05	22.14	22.01
	50	28	22.44	22.46	22.30
	50	56	22.16	22.14	21.94
	100	0	21.93	22.10	22.11
DFT-S QPSK	1	1	22.21	22.24	22.14
	1	53	22.52	22.55	22.46
	1	104	22.27	22.53	22.34
	50	0	21.55	21.56	21.53
	50	28	21.75	21.90	21.68
	50	56	21.69	21.91	21.64
	100	0	21.69	21.95	21.85
DFT-S 16QAM	1	1	21.49	21.63	21.40
DFT-S 64QAM	1	1	20.06	20.07	19.91
DFT-S 256QAM	1	1	18.33	18.44	18.11
CP QPSK	1	1	21.05	21.17	21.07

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.93	24.19	23	25.26	33.01
DFT-S QPSK	21.53	23.79	22.55	24.81	33.01
DFT-S 16QAM	21.4	23.66	21.63	23.89	33.01
DFT-S 64QAM	19.91	22.17	20.07	22.33	33.01
DFT-S 256QAM	18.11	20.37	18.44	20.7	33.01
CP QPSK	21.05	23.31	21.17	23.43	33.01

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

## 7.1.4 NR n41 SCS 30 kHz

**NR n41 SCS 30 kHz, Channel Bandwidth: 10 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.46	26.72	26.14	28.4	33.01
DFT-S QPSK	24.17	26.43	25.98	28.24	33.01
DFT-S 16QAM	23.47	25.73	23.63	25.89	33.01
DFT-S 64QAM	22.19	24.45	22.31	24.57	33.01
DFT-S 256QAM	20.13	22.39	20.54	22.8	33.01
CP QPSK	23.21	25.47	23.34	25.6	33.01

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

**NR n41 SCS 30 kHz, Channel Bandwidth: 15 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.81	27.07	26.05	28.31	33.01
DFT-S QPSK	24.23	26.49	25.89	28.15	33.01
DFT-S 16QAM	23.44	25.7	23.62	25.88	33.01
DFT-S 64QAM	21.91	24.17	22.08	24.34	33.01
DFT-S 256QAM	20.11	22.37	20.19	22.45	33.01
CP QPSK	23.09	25.35	23.4	25.66	33.01

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

**NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.66	26.92	25.91	28.17	33.01
DFT-S QPSK	24.23	26.49	25.79	28.05	33.01
DFT-S 16QAM	23.4	25.66	23.63	25.89	33.01
DFT-S 64QAM	22.12	24.38	22.24	24.5	33.01
DFT-S 256QAM	20.12	22.38	20.3	22.56	33.01
CP QPSK	22.93	25.19	23.38	25.64	33.01

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

**NR n41 SCS 30 kHz, Channel Bandwidth: 40 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.71	26.97	25.9	28.16	33.01
DFT-S QPSK	24.26	26.52	25.91	28.17	33.01
DFT-S 16QAM	23.5	25.76	23.87	26.13	33.01
DFT-S 64QAM	22	24.26	22.29	24.55	33.01
DFT-S 256QAM	20.04	22.3	20.5	22.76	33.01
CP QPSK	23.17	25.43	23.28	25.54	33.01

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



**NR n41 SCS 30 kHz, Channel Bandwidth: 50 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.86	27.12	25.95	28.21	33.01
DFT-S QPSK	24.17	26.43	26.04	28.3	33.01
DFT-S 16QAM	23.52	25.78	23.7	25.96	33.01
DFT-S 64QAM	22.12	24.38	22.19	24.45	33.01
DFT-S 256QAM	20.28	22.54	20.42	22.68	33.01
CP QPSK	22.96	25.22	23.48	25.74	33.01

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

**NR n41 SCS 30 kHz, Channel Bandwidth: 60 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.79	27.05	25.96	28.22	33.01
DFT-S QPSK	24.32	26.58	25.87	28.13	33.01
DFT-S 16QAM	23.6	25.86	23.65	25.91	33.01
DFT-S 64QAM	22.09	24.35	22.45	24.71	33.01
DFT-S 256QAM	20.07	22.33	20.56	22.82	33.01
CP QPSK	23.12	25.38	23.41	25.67	33.01

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

**NR n41 SCS 30 kHz, Channel Bandwidth: 70 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.56	26.82	25.79	28.05	33.01
DFT-S QPSK	24.24	26.5	25.89	28.15	33.01
DFT-S 16QAM	23.5	25.76	23.71	25.97	33.01
DFT-S 64QAM	21.87	24.13	22.29	24.55	33.01
DFT-S 256QAM	20.08	22.34	20.55	22.81	33.01
CP QPSK	23	25.26	23.35	25.61	33.01

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

**NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.63	26.89	25.87	28.13	33.01
DFT-S QPSK	24.3	26.56	25.88	28.14	33.01
DFT-S 16QAM	23.49	25.75	23.57	25.83	33.01
DFT-S 64QAM	21.93	24.19	22.24	24.5	33.01
DFT-S 256QAM	20.21	22.47	20.54	22.8	33.01
CP QPSK	23.09	25.35	23.21	25.47	33.01

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

**NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.5	26.76	25.93	28.19	33.01
DFT-S QPSK	24.26	26.52	25.74	28	33.01
DFT-S 16QAM	23.49	25.75	23.64	25.9	33.01
DFT-S 64QAM	21.98	24.24	22.11	24.37	33.01
DFT-S 256QAM	20.19	22.45	20.52	22.78	33.01
CP QPSK	23.14	25.4	23.33	25.59	33.01

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

**NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz**

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

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.84	27.1	26.25	28.51	33.01
DFT-S QPSK	24.36	26.62	25.84	28.1	33.01
DFT-S 16QAM	23.66	25.92	23.76	26.02	33.01
DFT-S 64QAM	21.98	24.24	22.14	24.4	33.01
DFT-S 256QAM	20.25	22.51	20.57	22.83	33.01
CP QPSK	23.08	25.34	23.41	25.67	33.01

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

7.1.5 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 BPSK	1	1	22.27	22.29	22.39
	1	13	22.86	22.89	22.82
	1	23	22.53	22.49	22.41
	12	0	22.30	22.34	22.13
	12	7	21.78	22.03	21.98
	12	13	22.41	22.59	22.37
	25	0	22.37	22.30	22.27
DFT-S QPSK	1	1	22.57	22.64	22.43
	1	13	22.09	22.14	22.06
	1	23	22.59	22.61	22.58
	12	0	22.03	22.08	22.03
	12	7	22.14	22.09	21.93
	12	13	22.04	21.99	22.09
	25	0	22.11	22.16	21.91
DFT-S 16 QAM	1	1	21.73	21.82	21.86
DFT-S 64 QAM	1	1	20.31	20.47	20.22
DFT-S 256 QAM	1	1	18.54	18.73	18.62
CP QPSK	1	1	21.08	21.04	21.08

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.78	23.81	22.89	24.92	30.00
DFT-S QPSK	21.91	23.94	22.64	24.67	30.00
DFT-S 16QAM	21.73	23.76	21.86	23.89	30.00
DFT-S 64QAM	20.22	22.25	20.47	22.5	30.00
DFT-S 256QAM	18.54	20.57	18.73	20.76	30.00
CP QPSK	21.04	23.07	21.08	23.11	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
			1715 MHz	1745 MHz	1775MHz
DFT-S BPSK	1	1	22.20	22.27	22.22
	1	26	22.74	22.92	22.73
	1	50	22.35	22.45	22.26
	25	0	22.20	22.35	22.22
	25	14	21.83	22.03	21.83
	25	27	22.40	22.50	22.44
	50	0	22.36	22.43	22.42
DFT-S QPSK	1	1	22.62	22.63	22.50
	1	26	21.80	21.87	22.05
	1	50	22.72	22.57	22.70
	25	0	22.14	22.10	21.98
	25	14	21.95	22.06	22.10
	25	27	22.06	21.97	22.03
	50	0	22.16	22.23	21.88
DFT-S 16 QAM	1	1	21.62	21.81	21.80
DFT-S 64 QAM	1	1	20.37	20.34	20.14
DFT-S 256 QAM	1	1	18.63	18.82	18.78
CP QPSK	1	1	21.12	21.23	21.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.83	23.86	22.92	24.95	30.00
DFT-S QPSK	21.8	23.83	22.72	24.75	30.00
DFT-S 16QAM	21.62	23.65	21.81	23.84	30.00
DFT-S 64QAM	20.14	22.17	20.37	22.4	30.00
DFT-S 256QAM	18.63	20.66	18.82	20.85	30.00
CP QPSK	21.09	23.12	21.23	23.26	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 BPSK	1	1	22.14	22.24	22.38
	1	40	22.56	22.74	22.64
	1	77	22.50	22.47	22.34
	36	0	22.25	22.25	22.36
	36	22	21.96	21.98	21.93
	36	43	22.31	22.60	22.41
	75	0	22.34	22.35	22.36
DFT-S QPSK	1	1	22.55	22.47	22.52
	1	40	21.95	22.11	22.01
	1	77	22.69	22.71	22.63
	36	0	22.21	21.99	22.06
	36	22	21.95	22.10	22.08
	36	43	22.17	22.09	22.03
	75	0	21.98	21.97	22.03
DFT-S 16 QAM	1	1	21.79	21.92	21.82
DFT-S 64QAM	1	1	20.32	20.46	20.27
DFT-S 256QAM	1	1	18.78	18.65	18.58
CP QPSK	1	1	21.09	21.17	21.03

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.93	23.96	22.74	24.77	30.00
DFT-S QPSK	21.95	23.98	22.71	24.74	30.00
DFT-S 16QAM	21.79	23.82	21.92	23.95	30.00
DFT-S 64QAM	20.27	22.3	20.46	22.49	30.00
DFT-S 256QAM	18.58	20.61	18.78	20.81	30.00
CP QPSK	21.03	23.06	21.17	23.2	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 BPSK	1	1	22.27	22.32	22.27
	1	53	22.71	22.96	22.73
	1	104	22.46	22.51	22.34
	50	0	22.17	22.48	22.37
	50	28	21.92	22.07	21.94
	50	56	22.45	22.45	22.54
	100	0	22.42	22.59	22.41
DFT-S QPSK	1	1	22.57	22.68	22.65
	1	53	21.97	22.03	21.93
	1	104	22.62	22.59	22.70
	50	0	22.00	22.06	22.20
	50	28	21.96	22.27	22.09
	50	56	22.00	21.99	22.08
	100	0	22.02	22.12	21.99
DFT-S 16QAM	1	1	21.79	21.87	21.70
DFT-S 64QAM	1	1	20.35	20.46	20.24
DFT-S 256QAM	1	1	18.56	18.60	18.61
CP QPSK	1	1	21.04	21.24	21.07

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.92	23.95	22.96	24.99	30.00
DFT-S QPSK	21.93	23.96	22.7	24.73	30.00
DFT-S 16QAM	21.7	23.73	21.87	23.9	30.00
DFT-S 64QAM	20.24	22.27	20.46	22.49	30.00
DFT-S 256QAM	18.56	20.59	18.61	20.64	30.00
CP QPSK	21.04	23.07	21.24	23.27	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 BPSK	1	1	22.57	22.99	22.68
	1	108	22.78	22.65	22.68
	1	214	22.49	22.54	22.48
	108	0	22.26	22.44	22.53
	108	54	22.06	22.19	22.10
	108	108	22.47	22.54	22.47
	216	0	22.34	22.50	22.29
DFT-S QPSK	1	1	22.49	22.78	22.43
	1	108	21.97	22.11	22.04
	1	214	22.68	22.79	22.82
	108	0	22.26	22.25	22.00
	108	54	22.18	22.15	22.23
	108	108	21.90	22.12	22.11
	216	0	22.09	22.17	22.22
DFT-S 16QAM	1	1	21.81	21.92	21.77
DFT-S 64QAM	1	1	20.39	20.50	20.41
DFT-S 256QAM	1	1	18.55	18.68	18.59
CP QPSK	1	1	21.29	21.26	21.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.06	24.09	22.99	25.02	30.00
DFT-S QPSK	21.9	23.93	22.82	24.85	30.00
DFT-S 16QAM	21.77	23.8	21.92	23.95	30.00
DFT-S 64QAM	20.39	22.42	20.5	22.53	30.00
DFT-S 256QAM	18.55	20.58	18.68	20.71	30.00
CP QPSK	21.23	23.26	21.29	23.32	30.00

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

## 7.1.6 NR n71 SCS 15 kHz

**NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz**

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133100	CH 136100	CH 139100
			665.5 MHz	680.5 MHz	695.5 MHz
DFT-S BPSK	1	1	23.14	23.14	23.18
	1	13	23.19	23.09	23.24
	1	23	23.42	23.39	23.22
	12	0	22.74	22.81	22.73
	12	7	23.30	23.49	23.55
	12	13	23.26	23.46	23.38
	25	0	22.92	23.00	22.89
DFT-S QPSK	1	1	23.12	23.20	23.19
	1	13	23.26	23.23	23.35
	1	23	23.57	23.67	23.44
	12	0	22.15	22.46	22.29
	12	7	22.35	22.51	22.44
	12	13	22.32	22.44	22.46
	25	0	22.47	22.29	22.47
DFT-S 16QAM	1	1	22.38	22.46	22.35
DFT-S 64QAM	1	1	20.58	20.70	20.68
DFT-S 256QAM	1	1	19.09	19.07	19.11
CP QPSK	1	1	21.73	21.97	21.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum Cond. Power (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
DFT-S BPSK	22.73	22.21	23.55	23.03	34.77
DFT-S QPSK	22.15	21.63	23.67	23.15	34.77
DFT-S 16QAM	22.35	21.83	22.46	21.94	34.77
DFT-S 64QAM	20.58	20.06	20.70	20.18	34.77
DFT-S 256QAM	19.07	18.55	19.11	18.59	34.77
CP QPSK	21.65	21.13	21.97	21.45	34.77

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

ERP (dBm) = EIRP (dBm) - 2.15

**NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz**

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133600	CH 136100	CH 138600
			668 MHz	680.5 MHz	693 MHz
DFT-S BPSK	1	1	22.99	23.16	23.09
	1	26	23.30	23.27	23.18
	1	50	23.19	23.36	23.28
	25	0	22.77	22.77	22.65
	25	14	23.50	23.61	23.38
	25	27	23.44	23.43	23.24
	50	0	22.82	23.08	22.88
DFT-S QPSK	1	1	23.28	23.34	23.18
	1	26	23.10	23.22	23.33
	1	50	23.36	23.61	23.49
	25	0	22.28	22.36	22.29
	25	14	22.28	22.62	22.46
	25	27	22.35	22.51	22.40
	50	0	22.34	22.47	22.41
DFT-S 16QAM	1	1	22.30	22.31	22.33
DFT-S 64QAM	1	1	20.51	20.87	20.59
DFT-S 256QAM	1	1	19.05	19.11	19.05
CP QPSK	1	1	21.83	21.88	21.81

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum Cond. Power (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
DFT-S BPSK	22.65	22.13	23.61	23.09	34.77
DFT-S QPSK	22.28	21.76	23.61	23.09	34.77
DFT-S 16QAM	22.30	21.78	22.33	21.81	34.77
DFT-S 64QAM	20.51	19.99	20.87	20.35	34.77
DFT-S 256QAM	19.05	18.53	19.11	18.59	34.77
CP QPSK	21.81	21.29	21.88	21.36	34.77

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

**NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz**

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 134100	CH 136100	CH 138100
			670.5 MHz	680.5 MHz	690.5 MHz
DFT-S BPSK	1	1	22.95	23.13	23.04
	1	40	23.30	23.16	23.23
	1	77	23.43	23.50	23.28
	36	0	22.85	22.77	22.76
	36	22	23.43	23.47	23.37
	36	43	23.47	23.47	23.25
	75	0	22.79	23.03	22.94
DFT-S QPSK	1	1	23.13	23.15	23.18
	1	40	23.13	23.22	23.06
	1	77	23.42	23.55	23.40
	36	0	22.28	22.44	22.28
	36	22	22.35	22.46	22.48
	36	43	22.37	22.38	22.38
	75	0	22.53	22.42	22.34
DFT-S 16QAM	1	1	22.31	22.59	22.42
DFT-S 64QAM	1	1	20.57	20.75	20.50
DFT-S 256QAM	1	1	19.05	18.97	19.00
CP QPSK	1	1	21.77	21.77	21.77

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum Cond. Power (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
DFT-S BPSK	22.76	22.24	23.50	22.98	34.77
DFT-S QPSK	22.28	21.76	23.55	23.03	34.77
DFT-S 16QAM	22.31	21.79	22.59	22.07	34.77
DFT-S 64QAM	20.50	19.98	20.75	20.23	34.77
DFT-S 256QAM	18.97	18.45	19.05	18.53	34.77
CP QPSK	21.77	21.25	21.77	21.25	34.77

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

**NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz**

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 134600	CH 136100	CH 137600
			673 MHz	680.5 MHz	688 MHz
DFT-S BPSK	1	1	23.28	23.22	23.12
	1	40	23.31	23.27	23.38
	1	77	23.18	23.55	23.49
	36	0	22.71	22.89	22.90
	36	22	23.60	23.63	23.52
	36	43	23.41	23.48	23.47
	75	0	22.98	23.07	22.85
DFT-S QPSK	1	1	23.36	23.41	23.28
	1	40	23.25	23.40	23.34
	1	77	23.36	23.48	23.43
	36	0	22.40	22.36	22.33
	36	22	22.54	22.59	22.55
	36	43	22.57	22.51	22.52
	75	0	22.26	22.47	22.29
DFT-S 16QAM	1	1	22.44	22.52	22.31
DFT-S 64QAM	1	1	20.80	20.82	20.68
DFT-S 256QAM	1	1	18.97	19.04	19.22
CP QPSK	1	1	21.80	21.83	21.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum Cond. Power (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
DFT-S BPSK	22.71	22.19	23.63	23.11	34.77
DFT-S QPSK	22.26	21.74	23.48	22.96	34.77
DFT-S 16QAM	22.31	21.79	22.52	22.00	34.77
DFT-S 64QAM	20.68	20.16	20.82	20.30	34.77
DFT-S 256QAM	18.97	18.45	19.22	18.70	34.77
CP QPSK	21.80	21.28	21.92	21.40	34.77

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

7.1.7 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) (PC2)

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.64	24.89	24.80
	1	11	25.11	25.49	25.47
	1	22	24.34	24.40	24.55
	12	0	24.68	24.91	25.07
	12	6	25.95	25.89	25.51
	12	12	24.75	24.86	24.97
	24	0	24.94	25.08	25.11
DFT-S QPSK	1	1	24.68	24.99	24.60
	1	11	24.78	24.68	24.49
	1	22	24.03	24.07	24.04
	12	0	24.24	24.22	24.14
	12	6	25.15	25.28	25.19
	12	12	24.17	23.77	23.97
	24	0	24.09	23.89	24.05
DFT-S 16QAM	1	1	23.76	23.62	23.73
DFT-S 64QAM	1	1	22.28	22.41	22.37
DFT-S 256QAM	1	1	20.18	20.12	20.43
CP QPSK	1	1	22.72	22.75	22.98

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.34	26.96	25.95	28.57	30.00
DFT-S QPSK	23.77	26.39	25.28	27.90	30.00
DFT-S 16QAM	23.62	26.24	23.76	26.38	30.00
DFT-S 64QAM	22.28	24.90	22.41	25.03	30.00
DFT-S 256QAM	20.12	22.74	20.43	23.05	30.00
CP QPSK	22.72	25.34	22.98	25.60	30.00

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



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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.79	24.74	24.89
	1	19	25.27	25.20	25.19
	1	36	24.46	24.71	24.52
	18	0	25.21	24.93	24.78
	18	10	25.67	25.87	25.82
	18	20	24.84	24.86	24.70
	36	0	25.03	25.16	24.81
DFT-S QPSK	1	1	24.96	24.82	24.76
	1	19	24.63	24.76	24.70
	1	36	24.08	23.82	23.82
	18	0	24.24	24.22	24.17
	18	10	24.95	25.08	25.23
	18	20	23.70	23.88	24.07
	36	0	24.10	24.35	24.11
DFT-S 16QAM	1	1	23.62	23.50	23.68
DFT-S 64QAM	1	1	22.26	22.51	22.37
DFT-S 256QAM	1	1	20.21	20.24	20.24
CP QPSK	1	1	22.91	22.99	23.05

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.46	27.08	25.87	28.49	30.00
DFT-S QPSK	23.70	26.32	25.23	27.85	30.00
DFT-S 16QAM	23.50	26.12	23.68	26.30	30.00
DFT-S 64QAM	22.26	24.88	22.51	25.13	30.00
DFT-S 256QAM	20.21	22.83	20.24	22.86	30.00
CP QPSK	22.91	25.53	23.05	25.67	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.83	25.05	24.78
	1	26	25.15	25.31	25.58
	1	49	24.68	24.62	24.55
	25	0	24.73	24.82	25.08
	25	13	25.62	25.58	25.61
	25	26	24.68	24.69	24.86
	50	0	25.06	24.89	25.01
DFT-S QPSK	1	1	24.58	24.58	24.81
	1	26	24.71	24.80	24.59
	1	49	23.89	23.91	23.84
	25	0	24.20	24.14	24.31
	25	13	25.08	25.18	25.23
	25	26	23.78	23.80	23.93
	50	0	24.30	24.21	24.33
DFT-S 16QAM	1	1	23.87	23.66	23.80
DFT-S 64QAM	1	1	22.41	22.48	22.45
DFT-S 256QAM	1	1	20.03	20.18	20.24
CP QPSK	1	1	22.80	22.77	22.99

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.55	27.17	25.62	28.24	30.00
DFT-S QPSK	23.78	26.40	25.23	27.85	30.00
DFT-S 16QAM	23.66	26.28	23.87	26.49	30.00
DFT-S 64QAM	22.41	25.03	22.48	25.10	30.00
DFT-S 256QAM	20.03	22.65	20.24	22.86	30.00
CP QPSK	22.77	25.39	22.99	25.61	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.68	24.82	24.78
	1	39	25.22	25.29	25.42
	1	76	24.61	24.32	24.57
	36	0	24.86	24.90	24.76
	36	21	25.59	25.78	25.73
	36	42	24.71	24.74	24.90
	75	0	25.24	25.25	24.98
DFT-S QPSK	1	1	24.62	24.72	24.59
	1	39	24.65	24.78	24.56
	1	76	24.07	24.10	24.01
	36	0	24.18	24.26	24.12
	36	21	25.12	25.20	25.12
	36	42	23.80	23.77	23.80
	75	0	24.18	24.41	24.24
DFT-S 16QAM	1	1	23.55	23.60	23.84
DFT-S 64QAM	1	1	22.20	22.48	22.25
DFT-S 256QAM	1	1	20.28	20.30	20.01
CP QPSK	1	1	22.78	22.93	22.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.32	26.94	25.78	28.40	30.00
DFT-S QPSK	23.77	26.39	25.20	27.82	30.00
DFT-S 16QAM	23.55	26.17	23.84	26.46	30.00
DFT-S 64QAM	22.20	24.82	22.48	25.10	30.00
DFT-S 256QAM	20.01	22.63	20.30	22.92	30.00
CP QPSK	22.78	25.40	22.93	25.55	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.93	24.96	24.81
	1	53	25.25	25.46	25.27
	1	104	24.60	24.67	24.51
	50	0	24.78	24.90	24.69
	50	28	25.66	25.66	25.62
	50	56	24.83	25.00	24.89
	100	0	25.29	25.21	25.18
DFT-S QPSK	1	1	24.93	24.89	24.60
	1	53	24.71	24.64	24.56
	1	104	24.07	23.83	23.94
	50	0	24.11	24.22	24.02
	50	28	25.32	25.00	25.02
	50	56	23.90	24.03	23.99
	100	0	24.31	24.15	24.36
DFT-S 16QAM	1	1	23.54	23.95	23.77
DFT-S 64QAM	1	1	22.29	22.23	22.46
DFT-S 256QAM	1	1	20.15	20.14	20.07
CP QPSK	1	1	22.93	22.85	22.70

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.51	27.13	25.66	28.28	30.00
DFT-S QPSK	23.83	26.45	25.32	27.94	30.00
DFT-S 16QAM	23.54	26.16	23.95	26.57	30.00
DFT-S 64QAM	22.23	24.85	22.46	25.08	30.00
DFT-S 256QAM	20.07	22.69	20.15	22.77	30.00
CP QPSK	22.70	25.32	22.93	25.55	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.96	24.97	24.95
	1	67	25.15	25.34	25.30
	1	131	24.66	24.44	24.34
	64	0	24.95	25.15	24.98
	64	35	25.54	25.67	25.96
	64	69	24.96	24.66	24.99
	128	0	25.09	24.89	24.96
DFT-S QPSK	1	1	24.88	24.89	24.76
	1	67	24.92	24.85	24.68
	1	131	23.89	23.94	24.01
	64	0	24.23	24.15	24.26
	64	35	25.17	25.13	25.05
	64	69	23.67	23.82	23.87
	128	0	24.12	24.22	24.23
DFT-S 16QAM	1	1	23.81	23.65	23.57
DFT-S 64QAM	1	1	22.17	22.36	22.51
DFT-S 256QAM	1	1	20.35	20.23	20.40
CP QPSK	1	1	22.98	22.86	22.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.34	26.96	25.96	28.58	30.00
DFT-S QPSK	23.67	26.29	25.17	27.79	30.00
DFT-S 16QAM	23.57	26.19	23.81	26.43	30.00
DFT-S 64QAM	22.17	24.79	22.51	25.13	30.00
DFT-S 256QAM	20.23	22.85	20.40	23.02	30.00
CP QPSK	22.84	25.46	22.98	25.60	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.73	24.79	25.00
	1	81	25.29	25.27	25.37
	1	160	24.52	24.34	24.37
	81	0	25.10	24.84	25.01
	81	41	25.69	25.86	25.50
	81	81	24.74	24.86	24.55
	162	0	25.10	25.04	25.18
DFT-S QPSK	1	1	24.66	24.88	24.68
	1	81	24.70	24.58	24.66
	1	160	24.07	24.09	24.11
	81	0	24.32	24.29	24.07
	81	41	25.03	25.13	25.16
	81	81	23.88	23.94	23.64
	162	0	24.28	24.19	24.40
DFT-S 16QAM	1	1	23.62	23.58	23.78
DFT-S 64QAM	1	1	22.45	22.16	22.46
DFT-S 256QAM	1	1	20.25	20.21	20.46
CP QPSK	1	1	22.85	22.60	23.03

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.34	26.96	25.86	28.48	30.00
DFT-S QPSK	23.64	26.26	25.16	27.78	30.00
DFT-S 16QAM	23.58	26.20	23.78	26.40	30.00
DFT-S 64QAM	22.16	24.78	22.46	25.08	30.00
DFT-S 256QAM	20.21	22.83	20.46	23.08	30.00
CP QPSK	22.60	25.22	23.03	25.65	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.85	24.73	24.72
	1	95	25.61	25.18	25.46
	1	187	24.42	24.53	24.59
	90	0	24.88	25.00	24.86
	90	50	25.98	25.41	25.98
	90	99	24.97	24.91	25.05
	180	0	25.15	25.25	25.10
DFT-S QPSK	1	1	24.65	25.04	24.61
	1	95	24.44	24.64	24.63
	1	187	23.98	23.93	24.17
	90	0	24.05	24.23	24.17
	90	50	25.30	25.33	25.40
	90	99	23.97	23.83	23.74
	180	0	24.31	24.33	24.47
DFT-S 16QAM	1	1	23.77	23.76	23.81
DFT-S 64QAM	1	1	22.28	22.61	22.53
DFT-S 256QAM	1	1	20.44	20.26	20.46
CP QPSK	1	1	22.67	23.03	22.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.42	27.04	25.98	28.60	30.00
DFT-S QPSK	23.74	26.36	25.40	28.02	30.00
DFT-S 16QAM	23.76	26.38	23.81	26.43	30.00
DFT-S 64QAM	22.28	24.90	22.61	25.23	30.00
DFT-S 256QAM	20.26	22.88	20.46	23.08	30.00
CP QPSK	22.67	25.29	23.03	25.65	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.90	25.00	24.84
	1	109	25.39	25.25	25.52
	1	215	24.54	24.53	24.43
	108	0	25.00	25.12	25.03
	108	55	25.72	25.59	25.81
	108	109	24.79	24.83	24.76
	216	0	25.00	25.00	24.90
DFT-S QPSK	1	1	24.76	24.61	24.77
	1	109	24.43	24.86	24.62
	1	215	23.96	24.02	23.98
	108	0	24.33	23.98	24.47
	108	55	25.26	25.11	24.94
	108	109	23.98	24.03	23.83
	216	0	24.01	24.37	24.05
DFT-S 16QAM	1	1	23.56	23.76	23.72
DFT-S 64QAM	1	1	22.49	22.43	22.52
DFT-S 256QAM	1	1	20.14	20.35	20.22
CP QPSK	1	1	23.00	22.88	23.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.43	27.05	25.81	28.43	30.00
DFT-S QPSK	23.83	26.45	25.26	27.88	30.00
DFT-S 16QAM	23.56	26.18	23.76	26.38	30.00
DFT-S 64QAM	22.43	25.05	22.52	25.14	30.00
DFT-S 256QAM	20.14	22.76	20.35	22.97	30.00
CP QPSK	22.88	25.50	23.09	25.71	30.00

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



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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.73	24.68	24.70
	1	123	25.19	25.24	25.47
	1	243	24.64	24.76	24.66
	120	0	24.96	24.80	25.01
	120	63	25.97	25.45	25.70
	120	125	24.85	24.70	24.61
	243	0	24.93	24.98	25.03
DFT-S QPSK	1	1	25.04	24.61	24.92
	1	123	24.76	24.63	24.72
	1	243	24.30	24.21	24.04
	120	0	24.29	24.10	24.33
	120	63	25.16	25.20	25.17
	120	125	23.82	23.87	23.91
	243	0	24.20	24.19	24.09
DFT-S 16QAM	1	1	23.82	23.78	23.64
DFT-S 64QAM	1	1	22.41	22.57	22.34
DFT-S 256QAM	1	1	20.40	20.36	20.31
CP QPSK	1	1	22.68	23.00	22.82

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.61	27.23	25.97	28.59	30.00
DFT-S QPSK	23.82	26.44	25.20	27.82	30.00
DFT-S 16QAM	23.64	26.26	23.82	26.44	30.00
DFT-S 64QAM	22.34	24.96	22.57	25.19	30.00
DFT-S 256QAM	20.31	22.93	20.40	23.02	30.00
CP QPSK	22.68	25.30	23.00	25.62	30.00

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

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

NR n77 SCS 30 kHz 100M			
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S BPSK	1	1	24.73
	1	137	25.89
	1	271	24.57
	135	0	25.12
	135	69	26.27
	135	138	24.69
	270	0	25.14
DFT-S QPSK	1	1	24.74
	1	137	24.66
	1	271	24.30
	135	0	24.39
	135	69	25.32
	135	138	23.91
	270	0	24.53
DFT-S 16QAM	1	1	23.87
DFT-S 64QAM	1	1	22.51
DFT-S 256QAM	1	1	20.51
CP QPSK	1	1	23.00

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.57	27.19	26.27	28.89	30.00
DFT-S QPSK	23.91	26.53	25.32	27.94	30.00
DFT-S 16QAM	23.87	26.49	23.87	26.49	30.00
DFT-S 64QAM	22.51	25.13	22.51	25.13	30.00
DFT-S 256QAM	20.51	23.13	20.51	23.13	30.00
CP QPSK	23.00	25.62	23.00	25.62	30.00

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

7.1.8 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) (PC3)

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.69	22.69	22.60
	1	11	23.09	23.30	23.26
	1	22	22.28	22.30	22.48
	12	0	22.74	22.68	22.82
	12	6	23.62	23.52	23.55
	12	12	22.62	22.67	22.68
	24	0	22.91	22.83	22.88
DFT-S QPSK	1	1	22.92	22.94	22.80
	1	11	22.86	22.77	22.72
	1	22	22.19	22.29	22.14
	12	0	22.31	22.30	22.34
	12	6	23.41	23.28	23.26
	12	12	22.12	21.93	22.07
	24	0	22.30	22.25	22.40
DFT-S 16QAM	1	1	21.74	21.79	21.89
DFT-S 64QAM	1	1	20.51	20.58	20.59
DFT-S 256QAM	1	1	18.36	18.36	18.39
CP QPSK	1	1	20.95	20.96	21.03

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.28	24.90	23.62	26.24	30.00
DFT-S QPSK	21.93	24.55	23.41	26.03	30.00
DFT-S 16QAM	21.74	24.36	21.89	24.51	30.00
DFT-S 64QAM	20.51	23.13	20.59	23.21	30.00
DFT-S 256QAM	18.36	20.98	18.39	21.01	30.00
CP QPSK	20.95	23.57	21.03	23.65	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.66	22.56	22.70
	1	19	23.12	23.14	23.18
	1	36	22.38	22.46	22.45
	18	0	22.89	22.81	22.68
	18	10	23.50	23.59	23.62
	18	20	22.73	22.74	22.67
	36	0	22.89	22.89	22.86
DFT-S QPSK	1	1	22.93	22.88	22.88
	1	19	22.74	22.87	22.72
	1	36	22.22	22.16	22.16
	18	0	22.35	22.39	22.32
	18	10	23.30	23.39	23.36
	18	20	22.02	22.06	22.01
	36	0	22.35	22.32	22.34
DFT-S 16QAM	1	1	21.82	21.84	21.73
DFT-S 64QAM	1	1	20.51	20.51	20.49
DFT-S 256QAM	1	1	18.43	18.47	18.48
CP QPSK	1	1	21.06	21.08	21.04

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.38	25.00	23.62	26.24	30.00
DFT-S QPSK	22.01	24.63	23.39	26.01	30.00
DFT-S 16QAM	21.73	24.35	21.84	24.46	30.00
DFT-S 64QAM	20.49	23.11	20.51	23.13	30.00
DFT-S 256QAM	18.43	21.05	18.48	21.10	30.00
CP QPSK	21.04	23.66	21.08	23.70	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.75	22.78	22.67
	1	26	23.16	23.24	23.21
	1	49	22.47	22.43	22.39
	25	0	22.67	22.79	22.89
	25	13	23.53	23.48	23.58
	25	26	22.54	22.52	22.63
	50	0	22.90	22.90	22.81
DFT-S QPSK	1	1	22.85	22.79	22.91
	1	26	22.71	22.86	22.81
	1	49	22.15	22.17	22.12
	25	0	22.39	22.22	22.34
	25	13	23.24	23.26	23.47
	25	26	22.01	21.92	22.03
	50	0	22.33	22.31	22.40
DFT-S 16QAM	1	1	21.97	21.85	21.81
DFT-S 64QAM	1	1	20.61	20.51	20.58
DFT-S 256QAM	1	1	18.33	18.49	18.37
CP QPSK	1	1	20.97	20.98	20.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.39	25.01	23.58	26.20	30.00
DFT-S QPSK	21.92	24.54	23.47	26.09	30.00
DFT-S 16QAM	21.81	24.43	21.97	24.59	30.00
DFT-S 64QAM	20.51	23.13	20.61	23.23	30.00
DFT-S 256QAM	18.33	20.95	18.49	21.11	30.00
CP QPSK	20.95	23.57	20.98	23.60	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.61	22.52	22.56
	1	26	23.07	23.16	23.11
	1	49	22.50	22.37	22.38
	25	0	22.70	22.69	22.65
	25	13	23.57	23.33	23.41
	25	26	22.61	22.59	22.47
	50	0	22.84	22.82	22.98
DFT-S QPSK	1	1	22.94	22.76	22.91
	1	26	22.84	22.62	22.70
	1	49	22.14	22.22	22.12
	25	0	22.33	22.23	22.34
	25	13	23.30	23.23	23.34
	25	26	21.89	22.03	21.92
	50	0	22.19	22.40	22.22
DFT-S 16QAM	1	1	21.76	21.73	21.89
DFT-S 64QAM	1	1	20.45	20.44	20.44
DFT-S 256QAM	1	1	18.28	18.44	18.29
CP QPSK	1	1	20.88	20.97	21.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.37	24.99	23.57	26.19	30.00
DFT-S QPSK	21.89	24.51	23.34	25.96	30.00
DFT-S 16QAM	21.73	24.35	21.89	24.51	30.00
DFT-S 64QAM	20.44	23.06	20.45	23.07	30.00
DFT-S 256QAM	18.28	20.90	18.44	21.06	30.00
CP QPSK	20.88	23.50	21.02	23.64	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.65	22.68	22.74
	1	53	23.20	23.30	23.22
	1	104	22.46	22.34	22.43
	50	0	22.74	22.80	22.70
	50	28	23.54	23.55	23.49
	50	56	22.65	22.61	22.71
	100	0	22.94	23.02	22.83
DFT-S QPSK	1	1	22.89	22.91	22.82
	1	53	22.73	22.74	22.75
	1	104	22.22	22.20	22.13
	50	0	22.36	22.37	22.32
	50	28	23.37	23.18	23.22
	50	56	22.00	21.95	22.12
	100	0	22.35	22.42	22.42
DFT-S 16QAM	1	1	21.81	21.90	21.95
DFT-S 64QAM	1	1	20.44	20.52	20.58
DFT-S 256QAM	1	1	18.36	18.38	18.38
CP QPSK	1	1	21.03	20.99	21.04

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.34	24.96	23.55	26.17	30.00
DFT-S QPSK	21.95	24.57	23.37	25.99	30.00
DFT-S 16QAM	21.81	24.43	21.95	24.57	30.00
DFT-S 64QAM	20.44	23.06	20.58	23.20	30.00
DFT-S 256QAM	18.36	20.98	18.38	21.00	30.00
CP QPSK	20.99	23.61	21.04	23.66	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.80	22.66	22.69
	1	67	23.12	23.15	23.21
	1	131	22.44	22.35	22.35
	64	0	22.80	22.86	22.79
	64	35	23.51	23.48	23.56
	64	69	22.72	22.57	22.64
	128	0	22.90	22.89	22.83
DFT-S QPSK	1	1	22.88	22.92	22.77
	1	67	22.84	22.81	22.72
	1	131	22.18	22.11	22.19
	64	0	22.33	22.43	22.31
	64	35	23.32	23.30	23.33
	64	69	22.00	21.92	22.00
	128	0	22.33	22.38	22.32
DFT-S 16QAM	1	1	21.83	21.88	21.75
DFT-S 64QAM	1	1	20.56	20.67	20.50
DFT-S 256QAM	1	1	18.48	18.48	18.46
CP QPSK	1	1	21.04	21.00	20.98

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.35	24.97	23.56	26.18	30.00
DFT-S QPSK	21.92	24.54	23.33	25.95	30.00
DFT-S 16QAM	21.75	24.37	21.88	24.50	30.00
DFT-S 64QAM	20.50	23.12	20.67	23.29	30.00
DFT-S 256QAM	18.46	21.08	18.48	21.10	30.00
CP QPSK	20.98	23.60	21.04	23.66	30.00

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



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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.63	22.62	22.82
	1	81	23.20	23.18	23.19
	1	160	22.43	22.31	22.35
	81	0	22.84	22.65	22.84
	81	41	23.54	23.60	23.49
	81	81	22.64	22.66	22.59
	162	0	22.89	22.76	22.98
DFT-S QPSK	1	1	22.90	22.94	22.88
	1	81	22.79	22.74	22.75
	1	160	22.27	22.27	22.20
	81	0	22.39	22.41	22.27
	81	41	23.30	23.31	23.29
	81	81	22.01	22.03	21.95
	162	0	22.40	22.44	22.44
DFT-S 16QAM	1	1	21.76	21.75	21.96
DFT-S 64QAM	1	1	20.52	20.45	20.60
DFT-S 256QAM	1	1	18.40	18.44	18.42
CP QPSK	1	1	21.02	20.95	21.08

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.31	24.93	23.60	26.22	30.00
DFT-S QPSK	21.95	24.57	23.31	25.93	30.00
DFT-S 16QAM	21.75	24.37	21.96	24.58	30.00
DFT-S 64QAM	20.45	23.07	20.60	23.22	30.00
DFT-S 256QAM	18.40	21.02	18.44	21.06	30.00
CP QPSK	20.95	23.57	21.08	23.70	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.80	22.69	22.60
	1	95	23.23	23.20	23.16
	1	187	22.46	22.51	22.46
	90	0	22.74	22.78	22.74
	90	50	23.64	23.42	23.61
	90	99	22.64	22.69	22.78
	180	0	22.92	22.95	22.89
DFT-S QPSK	1	1	22.81	22.98	22.95
	1	95	22.76	22.73	22.73
	1	187	22.23	22.11	22.22
	90	0	22.32	22.31	22.23
	90	50	23.31	23.38	23.32
	90	99	21.99	21.94	21.98
	180	0	22.40	22.36	22.48
DFT-S 16QAM	1	1	21.89	21.94	21.92
DFT-S 64QAM	1	1	20.50	20.58	20.68
DFT-S 256QAM	1	1	18.37	18.37	18.45
CP QPSK	1	1	20.94	21.00	21.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.46	25.08	23.64	26.26	30.00
DFT-S QPSK	21.94	24.56	23.38	26.00	30.00
DFT-S 16QAM	21.89	24.51	21.94	24.56	30.00
DFT-S 64QAM	20.50	23.12	20.68	23.30	30.00
DFT-S 256QAM	18.37	20.99	18.45	21.07	30.00
CP QPSK	20.94	23.56	21.02	23.64	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.60	22.78	22.71
	1	109	23.27	23.11	23.28
	1	215	22.33	22.37	22.48
	108	0	22.84	22.75	22.79
	108	55	23.54	23.53	23.58
	108	109	22.56	22.74	22.66
	216	0	22.89	22.79	22.85
DFT-S QPSK	1	1	22.98	22.90	22.91
	1	109	22.71	22.78	22.79
	1	215	22.15	22.11	22.15
	108	0	22.40	22.33	22.41
	108	55	23.33	23.37	23.20
	108	109	22.02	22.02	22.04
	216	0	22.35	22.37	22.25
DFT-S 16QAM	1	1	21.81	21.88	21.85
DFT-S 64QAM	1	1	20.57	20.66	20.64
DFT-S 256QAM	1	1	18.34	18.43	18.33
CP QPSK	1	1	20.99	21.04	21.06

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.33	24.95	23.58	26.20	30.00
DFT-S QPSK	22.02	24.64	23.37	25.99	30.00
DFT-S 16QAM	21.81	24.43	21.88	24.50	30.00
DFT-S 64QAM	20.57	23.19	20.66	23.28	30.00
DFT-S 256QAM	18.33	20.95	18.43	21.05	30.00
CP QPSK	20.99	23.61	21.06	23.68	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.71	22.63	22.60
	1	123	23.12	23.21	23.16
	1	243	22.54	22.40	22.47
	120	0	22.74	22.73	22.73
	120	63	23.60	23.41	23.47
	120	125	22.66	22.64	22.57
	243	0	22.89	22.93	23.03
DFT-S QPSK	1	1	23.05	22.84	22.97
	1	123	22.90	22.67	22.76
	1	243	22.21	22.29	22.19
	120	0	22.44	22.31	22.41
	120	63	23.34	23.28	23.44
	120	125	21.99	22.11	21.99
	243	0	22.28	22.43	22.29
DFT-S 16QAM	1	1	21.81	21.78	21.94
DFT-S 64QAM	1	1	20.56	20.51	20.49
DFT-S 256QAM	1	1	18.33	18.50	18.39
CP QPSK	1	1	20.96	21.01	21.06

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.40	25.02	23.60	26.22	30.00
DFT-S QPSK	21.99	24.61	23.44	26.06	30.00
DFT-S 16QAM	21.78	24.40	21.94	24.56	30.00
DFT-S 64QAM	20.49	23.11	20.56	23.18	30.00
DFT-S 256QAM	18.33	20.95	18.50	21.12	30.00
CP QPSK	20.96	23.58	21.06	23.68	30.00

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

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

NR n77 SCS 30 kHz 100M			
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 633334
			3500.01 MHz
DFT-S BPSK	1	1	22.74
	1	137	23.90
	1	271	22.51
	135	0	22.85
	135	69	23.87
	135	138	22.69
	270	0	23.00
DFT-S QPSK	1	1	22.99
	1	137	22.87
	1	271	22.27
	135	0	22.41
	135	69	23.34
	135	138	22.16
	270	0	22.52
DFT-S 16QAM	1	1	21.96
DFT-S 64QAM	1	1	20.55
DFT-S 256QAM	1	1	18.50
CP QPSK	1	1	21.14

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.51	25.13	23.90	26.52	30.00
DFT-S QPSK	22.16	24.78	23.34	25.96	30.00
DFT-S 16QAM	21.96	24.58	21.96	24.58	30.00
DFT-S 64QAM	20.55	23.17	20.55	23.17	30.00
DFT-S 256QAM	18.50	21.12	18.50	21.12	30.00
CP QPSK	21.14	23.76	21.14	23.76	30.00

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

7.1.9 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) (PC2)

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

NR n77 SCS 30 kHz 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647000	CH 656000	CH 665000
			3705 MHz	3840 MHz	3975 MHz
DFT-S BPSK	1	1	24.37	24.99	24.70
	1	11	25.69	25.66	25.83
	1	22	24.17	23.98	23.96
	12	0	24.41	24.74	24.49
	12	6	25.31	25.36	25.49
	12	12	24.54	24.83	24.69
	24	0	25.03	24.96	24.51
DFT-S QPSK	1	1	24.09	24.38	24.02
	1	11	25.38	25.34	25.55
	1	22	24.33	24.35	24.41
	12	0	24.41	24.55	24.50
	12	6	25.55	25.66	25.63
	12	12	23.85	23.97	23.91
	24	0	23.93	24.10	23.93
DFT-S 16QAM	1	1	23.44	23.76	23.59
DFT-S 64QAM	1	1	21.94	21.95	21.83
DFT-S 256QAM	1	1	19.91	20.17	20.44
CP QPSK	1	1	22.81	22.97	22.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	23.96	26.58	25.83	28.45	30.00
DFT-S QPSK	23.85	26.47	25.66	28.28	30.00
DFT-S 16QAM	23.44	26.06	23.76	26.38	30.00
DFT-S 64QAM	21.83	24.45	21.95	24.57	30.00
DFT-S 256QAM	19.91	22.53	20.44	23.06	30.00
CP QPSK	22.81	25.43	22.97	25.59	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.55	24.79	24.40
	1	19	25.64	25.68	25.71
	1	36	24.10	24.21	23.81
	18	0	24.73	24.59	24.26
	18	10	25.39	25.28	25.32
	18	20	24.44	24.60	24.71
	36	0	24.80	24.92	24.80
DFT-S QPSK	1	1	24.43	24.40	24.17
	1	19	25.48	25.52	25.42
	1	36	24.11	24.53	24.33
	18	0	24.22	24.54	24.27
	18	10	25.55	25.48	25.38
	18	20	23.94	23.94	23.72
	36	0	24.09	23.89	23.98
DFT-S 16QAM	1	1	23.45	23.44	23.58
DFT-S 64QAM	1	1	21.71	21.87	21.96
DFT-S 256QAM	1	1	20.00	20.30	20.15
CP QPSK	1	1	22.69	22.60	22.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	23.81	26.43	25.71	28.33	30.00
DFT-S QPSK	23.72	26.34	25.55	28.17	30.00
DFT-S 16QAM	23.44	26.06	23.58	26.20	30.00
DFT-S 64QAM	21.71	24.33	21.96	24.58	30.00
DFT-S 256QAM	20.00	22.62	20.30	22.92	30.00
CP QPSK	22.60	25.22	22.87	25.49	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.60	24.70	24.59
	1	26	25.93	25.89	25.62
	1	49	23.93	24.21	24.06
	25	0	24.68	24.61	24.39
	25	13	25.24	25.52	25.42
	25	26	24.55	24.85	24.69
	50	0	24.76	24.88	24.44
DFT-S QPSK	1	1	24.44	23.97	24.05
	1	26	25.17	25.43	25.42
	1	49	24.23	24.52	24.34
	25	0	24.35	24.41	24.41
	25	13	25.63	25.35	25.23
	25	26	23.69	23.98	23.94
	50	0	23.98	24.09	24.03
DFT-S 16QAM	1	1	23.41	23.61	23.33
DFT-S 64QAM	1	1	21.98	22.10	21.93
DFT-S 256QAM	1	1	20.10	19.93	20.10
CP QPSK	1	1	22.69	22.87	22.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	23.93	26.55	25.93	28.55	30.00
DFT-S QPSK	23.69	26.31	25.63	28.25	30.00
DFT-S 16QAM	23.33	25.95	23.61	26.23	30.00
DFT-S 64QAM	21.93	24.55	22.10	24.72	30.00
DFT-S 256QAM	19.93	22.55	20.10	22.72	30.00
CP QPSK	22.69	25.31	22.87	25.49	30.00

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



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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.59	24.73	24.66
	1	39	25.45	25.89	25.74
	1	76	24.04	24.29	24.06
	36	0	24.57	24.73	24.37
	36	21	25.56	25.68	25.44
	36	42	24.45	24.58	24.60
	75	0	24.96	24.71	24.73
DFT-S QPSK	1	1	24.33	24.33	24.15
	1	39	25.39	25.58	25.37
	1	76	24.45	24.51	24.19
	36	0	24.26	24.45	24.47
	36	21	25.47	25.58	25.27
	36	42	23.88	23.90	24.19
	75	0	24.28	24.23	24.34
DFT-S 16QAM	1	1	23.28	23.47	23.38
DFT-S 64QAM	1	1	21.89	21.90	22.10
DFT-S 256QAM	1	1	20.18	20.21	19.99
CP QPSK	1	1	22.72	22.80	22.70

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.04	26.66	25.89	28.51	30.00
DFT-S QPSK	23.88	26.50	25.58	28.20	30.00
DFT-S 16QAM	23.28	25.90	23.47	26.09	30.00
DFT-S 64QAM	21.89	24.51	22.10	24.72	30.00
DFT-S 256QAM	19.99	22.61	20.21	22.83	30.00
CP QPSK	22.70	25.32	22.80	25.42	30.00

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

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

NR n77 SCS 30 kHz 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648000	CH 656000	CH 664000
			3720 MHz	3840 MHz	3960 MHz
DFT-S BPSK	1	1	24.58	24.40	24.74
	1	53	25.67	25.58	25.66
	1	104	24.03	24.19	24.09
	50	0	24.46	24.53	24.40
	50	28	25.29	25.37	25.27
	50	56	24.74	24.59	24.75
	100	0	24.78	24.73	24.63
DFT-S QPSK	1	1	24.09	24.26	24.04
	1	53	25.29	25.24	25.50
	1	104	24.13	24.61	24.25
	50	0	24.16	24.24	24.38
	50	28	25.47	25.54	25.27
	50	56	23.95	23.87	23.96
	100	0	23.92	24.11	24.33
DFT-S 16QAM	1	1	23.18	23.63	23.57
DFT-S 64QAM	1	1	21.86	22.28	21.90
DFT-S 256QAM	1	1	19.90	19.91	20.23
CP QPSK	1	1	22.55	22.78	22.81

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.03	26.65	25.67	28.29	30.00
DFT-S QPSK	23.87	26.49	25.54	28.16	30.00
DFT-S 16QAM	23.18	25.80	23.63	26.25	30.00
DFT-S 64QAM	21.86	24.48	22.28	24.90	30.00
DFT-S 256QAM	19.90	22.52	20.23	22.85	30.00
CP QPSK	22.55	25.17	22.81	25.43	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.61	24.63	24.54
	1	67	25.83	25.57	25.50
	1	131	24.17	24.25	24.07
	64	0	24.53	24.61	24.46
	64	35	25.24	25.55	25.39
	64	69	24.57	24.49	24.60
	128	0	24.67	25.01	24.80
DFT-S QPSK	1	1	24.11	24.34	23.92
	1	67	25.38	25.34	25.51
	1	131	24.05	24.42	24.34
	64	0	24.39	24.34	24.24
	64	35	25.55	25.55	25.49
	64	69	23.79	24.08	23.91
	128	0	24.05	23.87	24.03
DFT-S 16QAM	1	1	23.26	23.37	23.44
DFT-S 64QAM	1	1	22.02	22.19	21.95
DFT-S 256QAM	1	1	19.98	20.40	20.13
CP QPSK	1	1	22.65	22.93	22.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.07	26.69	25.83	28.45	30.00
DFT-S QPSK	23.79	26.41	25.55	28.17	30.00
DFT-S 16QAM	23.26	25.88	23.44	26.06	30.00
DFT-S 64QAM	21.95	24.57	22.19	24.81	30.00
DFT-S 256QAM	19.98	22.60	20.40	23.02	30.00
CP QPSK	22.65	25.27	22.93	25.55	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.56	24.64	24.83
	1	81	25.64	25.86	25.49
	1	160	23.98	24.28	24.16
	81	0	24.48	24.42	24.46
	81	41	25.33	25.34	25.49
	81	81	24.56	24.81	24.55
	162	0	24.69	24.69	24.41
DFT-S QPSK	1	1	24.10	24.34	24.17
	1	81	25.35	25.55	25.55
	1	160	24.50	24.28	24.24
	81	0	24.33	24.58	24.72
	81	41	25.31	25.47	25.64
	81	81	23.64	24.12	23.71
	162	0	23.85	24.20	24.03
DFT-S 16QAM	1	1	23.28	23.66	23.51
DFT-S 64QAM	1	1	21.77	21.97	22.05
DFT-S 256QAM	1	1	20.29	20.34	19.94
CP QPSK	1	1	22.69	22.73	22.85

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	23.98	26.60	25.86	28.48	30.00
DFT-S QPSK	23.64	26.26	25.64	28.26	30.00
DFT-S 16QAM	23.28	25.90	23.66	26.28	30.00
DFT-S 64QAM	21.77	24.39	22.05	24.67	30.00
DFT-S 256QAM	19.94	22.56	20.34	22.96	30.00
CP QPSK	22.69	25.31	22.85	25.47	30.00

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

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

NR n77 SCS 30 kHz 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649000	CH 656000	CH 663000
			3735 MHz	3840 MHz	3945 MHz
DFT-S BPSK	1	1	24.77	24.53	24.50
	1	95	25.72	25.63	25.57
	1	187	23.97	24.27	23.96
	90	0	24.49	24.76	24.65
	90	50	25.28	25.24	25.42
	90	99	24.68	24.78	24.57
	180	0	24.72	25.06	24.68
DFT-S QPSK	1	1	24.12	24.25	23.94
	1	95	25.29	25.45	25.27
	1	187	24.17	24.37	24.29
	90	0	24.08	24.46	24.51
	90	50	25.24	25.40	25.38
	90	99	23.65	24.11	23.99
	180	0	24.04	24.14	24.17
DFT-S 16QAM	1	1	23.23	23.40	23.48
DFT-S 64QAM	1	1	21.91	22.13	21.90
DFT-S 256QAM	1	1	20.02	20.21	20.13
CP QPSK	1	1	22.70	22.97	22.93

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	23.96	26.58	25.72	28.34	30.00
DFT-S QPSK	23.65	26.27	25.45	28.07	30.00
DFT-S 16QAM	23.23	25.85	23.48	26.10	30.00
DFT-S 64QAM	21.90	24.52	22.13	24.75	30.00
DFT-S 256QAM	20.02	22.64	20.21	22.83	30.00
CP QPSK	22.70	25.32	22.97	25.59	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.67	24.71	24.66
	1	109	25.88	25.66	25.52
	1	215	23.98	24.08	24.31
	108	0	24.56	24.75	24.51
	108	55	25.28	25.30	25.36
	108	109	24.77	24.62	24.70
	216	0	24.88	24.64	24.73
DFT-S QPSK	1	1	24.22	24.32	24.32
	1	109	25.34	25.33	25.13
	1	215	24.38	24.48	24.48
	108	0	24.15	24.40	24.49
	108	55	25.28	25.40	25.50
	108	109	23.91	24.13	23.73
	216	0	24.20	24.17	24.01
DFT-S 16QAM	1	1	23.55	23.49	23.50
DFT-S 64QAM	1	1	21.80	22.05	22.05
DFT-S 256QAM	1	1	20.19	20.05	20.26
CP QPSK	1	1	22.36	22.75	22.47

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	23.98	26.60	25.88	28.50	30.00
DFT-S QPSK	23.73	26.35	25.50	28.12	30.00
DFT-S 16QAM	23.49	26.11	23.55	26.17	30.00
DFT-S 64QAM	21.80	24.42	22.05	24.67	30.00
DFT-S 256QAM	20.05	22.67	20.26	22.88	30.00
CP QPSK	22.36	24.98	22.75	25.37	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	24.54	24.71	24.45
	1	123	25.86	25.83	25.88
	1	243	24.03	24.19	23.91
	120	0	24.61	24.64	24.38
	120	63	25.57	25.41	25.07
	120	125	24.60	24.70	24.74
	243	0	24.57	24.56	24.78
DFT-S QPSK	1	1	24.14	24.27	23.92
	1	123	25.36	25.34	25.31
	1	243	24.36	24.44	24.48
	120	0	24.14	24.48	24.29
	120	63	25.32	25.44	25.41
	120	125	23.90	23.95	23.99
	243	0	24.04	24.21	23.84
DFT-S 16QAM	1	1	23.47	23.56	23.60
DFT-S 64QAM	1	1	21.78	21.98	21.89
DFT-S 256QAM	1	1	20.13	20.35	20.15
CP QPSK	1	1	22.86	22.87	22.79

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	23.91	26.53	25.88	28.50	30.00
DFT-S QPSK	23.84	26.46	25.44	28.06	30.00
DFT-S 16QAM	23.47	26.09	23.60	26.22	30.00
DFT-S 64QAM	21.78	24.40	21.98	24.60	30.00
DFT-S 256QAM	20.13	22.75	20.35	22.97	30.00
CP QPSK	22.79	25.41	22.87	25.49	30.00

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

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

NR n77 SCS 30 kHz 100M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 650000	CH 656000	CH 662000
			3750 MHz	3840 MHz	3930 MHz
DFT-S BPSK	1	1	24.58	24.87	24.79
	1	137	25.66	25.86	25.67
	1	271	24.21	24.25	24.24
	135	0	24.55	24.80	24.44
	135	69	25.58	25.52	25.36
	135	138	24.89	24.60	24.62
	270	0	24.93	25.02	24.98
DFT-S QPSK	1	1	24.50	24.40	24.26
	1	137	25.56	25.48	25.51
	1	271	24.45	24.35	24.51
	135	0	24.47	24.63	24.46
	135	69	25.30	25.67	25.58
	135	138	24.11	24.07	23.78
	270	0	24.05	24.25	24.17
DFT-S 16QAM	1	1	23.42	23.70	23.63
DFT-S 64QAM	1	1	21.88	22.13	21.91
DFT-S 256QAM	1	1	20.38	20.20	20.22
CP QPSK	1	1	22.86	22.97	22.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	24.21	26.83	25.86	28.48	30.00
DFT-S QPSK	23.78	26.40	25.67	28.29	30.00
DFT-S 16QAM	23.42	26.04	23.70	26.32	30.00
DFT-S 64QAM	21.88	24.50	22.13	24.75	30.00
DFT-S 256QAM	20.20	22.82	20.38	23.00	30.00
CP QPSK	22.86	25.48	22.97	25.59	30.00

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



## 7.1.10 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) (PC3)

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

NR n77 SCS 30 kHz 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 647000	CH 656000	CH 665000
			3705 MHz	3840 MHz	3975 MHz
DFT-S BPSK	1	1	22.31	22.65	22.47
	1	11	23.50	23.60	23.55
	1	22	21.97	21.94	21.83
	12	0	22.35	22.61	22.38
	12	6	23.17	23.33	23.21
	12	12	22.52	22.65	22.43
	24	0	22.68	22.72	22.45
DFT-S QPSK	1	1	22.36	22.48	22.25
	1	11	23.39	23.52	23.58
	1	22	22.44	22.57	22.49
	12	0	22.49	22.57	22.55
	12	6	23.52	23.64	23.55
	12	12	21.96	22.14	21.99
	24	0	22.16	22.33	22.16
DFT-S 16QAM	1	1	21.51	21.66	21.55
DFT-S 64QAM	1	1	20.03	20.24	20.08
DFT-S 256QAM	1	1	18.20	18.36	18.45
CP QPSK	1	1	20.80	20.97	20.94

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.83	24.45	23.60	26.22	30.00
DFT-S QPSK	21.96	24.58	23.64	26.26	30.00
DFT-S 16QAM	21.51	24.13	21.66	24.28	30.00
DFT-S 64QAM	20.03	22.65	20.24	22.86	30.00
DFT-S 256QAM	18.20	20.82	18.45	21.07	30.00
CP QPSK	20.80	23.42	20.97	23.59	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.40	22.66	22.41
	1	19	23.50	23.60	23.50
	1	36	21.87	22.08	21.82
	18	0	22.48	22.61	22.32
	18	10	23.08	23.23	23.23
	18	20	22.39	22.52	22.55
	36	0	22.52	22.74	22.50
DFT-S QPSK	1	1	22.41	22.44	22.32
	1	19	23.49	23.57	23.45
	1	36	22.49	22.67	22.44
	18	0	22.42	22.56	22.55
	18	10	23.61	23.73	23.63
	18	20	21.96	22.07	21.98
	36	0	22.19	22.19	22.13
DFT-S 16QAM	1	1	21.61	21.63	21.66
DFT-S 64QAM	1	1	20.02	20.13	20.04
DFT-S 256QAM	1	1	18.30	18.36	18.20
CP QPSK	1	1	20.79	20.85	20.97

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.82	24.44	23.60	26.22	30.00
DFT-S QPSK	21.96	24.58	23.73	26.35	30.00
DFT-S 16QAM	21.61	24.23	21.66	24.28	30.00
DFT-S 64QAM	20.02	22.64	20.13	22.75	30.00
DFT-S 256QAM	18.20	20.82	18.36	20.98	30.00
CP QPSK	20.79	23.41	20.97	23.59	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.44	22.52	22.51
	1	26	23.63	23.57	23.45
	1	49	21.93	22.03	21.88
	25	0	22.39	22.45	22.29
	25	13	23.06	23.37	23.31
	25	26	22.37	22.54	22.49
	50	0	22.58	22.61	22.48
DFT-S QPSK	1	1	22.41	22.28	22.30
	1	26	23.47	23.50	23.59
	1	49	22.39	22.58	22.47
	25	0	22.40	22.53	22.48
	25	13	23.57	23.62	23.55
	25	26	21.91	22.16	21.95
	50	0	22.22	22.30	22.29
DFT-S 16QAM	1	1	21.51	21.67	21.71
DFT-S 64QAM	1	1	20.04	20.22	20.11
DFT-S 256QAM	1	1	18.24	18.24	18.34
CP QPSK	1	1	20.84	20.95	20.88

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.88	24.50	23.63	26.25	30.00
DFT-S QPSK	21.91	24.53	23.62	26.24	30.00
DFT-S 16QAM	21.51	24.13	21.71	24.33	30.00
DFT-S 64QAM	20.04	22.66	20.22	22.84	30.00
DFT-S 256QAM	18.24	20.86	18.34	20.96	30.00
CP QPSK	20.84	23.46	20.95	23.57	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.45	22.60	22.57
	1	53	23.49	23.70	23.46
	1	104	22.00	22.09	21.96
	50	0	22.38	22.48	22.32
	50	28	23.29	23.37	23.21
	50	56	22.49	22.52	22.44
	100	0	22.61	22.69	22.61
DFT-S QPSK	1	1	22.39	22.46	22.20
	1	53	23.49	23.57	23.60
	1	104	22.53	22.55	22.43
	50	0	22.39	22.64	22.65
	50	28	23.53	23.63	23.56
	50	56	21.97	22.12	22.09
	100	0	22.22	22.30	22.29
DFT-S 16QAM	1	1	21.47	21.71	21.61
DFT-S 64QAM	1	1	20.10	20.20	20.17
DFT-S 256QAM	1	1	18.36	18.42	18.27
CP QPSK	1	1	20.88	20.93	21.01

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.96	24.58	23.70	26.32	30.00
DFT-S QPSK	21.97	24.59	23.63	26.25	30.00
DFT-S 16QAM	21.47	24.09	21.71	24.33	30.00
DFT-S 64QAM	20.10	22.72	20.20	22.82	30.00
DFT-S 256QAM	18.27	20.89	18.42	21.04	30.00
CP QPSK	20.88	23.50	21.01	23.63	30.00

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

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

NR n77 SCS 30 kHz 40M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 648000	CH 656000	CH 664000
			3720 MHz	3840 MHz	3960 MHz
DFT-S BPSK	1	1	22.49	22.46	22.42
	1	53	23.48	23.62	23.49
	1	104	21.90	22.06	21.78
	50	0	22.43	22.43	22.34
	50	28	23.15	23.21	23.16
	50	56	22.43	22.62	22.57
	100	0	22.63	22.57	22.57
DFT-S QPSK	1	1	22.44	22.48	22.35
	1	53	23.51	23.50	23.64
	1	104	22.39	22.61	22.51
	50	0	22.41	22.48	22.51
	50	28	23.58	23.66	23.53
	50	56	21.97	22.18	22.11
	100	0	22.24	22.18	22.25
DFT-S 16QAM	1	1	21.37	21.68	21.63
DFT-S 64QAM	1	1	20.12	20.20	20.09
DFT-S 256QAM	1	1	18.19	18.25	18.41
CP QPSK	1	1	20.82	20.92	20.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.78	24.40	23.62	26.24	30.00
DFT-S QPSK	21.97	24.59	23.66	26.28	30.00
DFT-S 16QAM	21.37	23.99	21.68	24.30	30.00
DFT-S 64QAM	20.09	22.71	20.20	22.82	30.00
DFT-S 256QAM	18.19	20.81	18.41	21.03	30.00
CP QPSK	20.82	23.44	20.92	23.54	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.42	22.49	22.47
	1	67	23.54	23.54	23.38
	1	131	21.94	22.01	21.83
	64	0	22.41	22.50	22.28
	64	35	23.08	23.34	23.14
	64	69	22.42	22.48	22.47
	128	0	22.51	22.64	22.56
DFT-S QPSK	1	1	22.43	22.46	22.17
	1	67	23.44	23.57	23.50
	1	131	22.41	22.57	22.51
	64	0	22.50	22.64	22.62
	64	35	23.57	23.73	23.54
	64	69	22.06	22.23	22.07
	128	0	22.32	22.23	22.19
DFT-S 16QAM	1	1	21.45	21.62	21.62
DFT-S 64QAM	1	1	20.11	20.21	20.10
DFT-S 256QAM	1	1	18.13	18.42	18.45
CP QPSK	1	1	20.75	20.96	20.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.83	24.45	23.54	26.16	30.00
DFT-S QPSK	22.06	24.68	23.73	26.35	30.00
DFT-S 16QAM	21.45	24.07	21.62	24.24	30.00
DFT-S 64QAM	20.10	22.72	20.21	22.83	30.00
DFT-S 256QAM	18.13	20.75	18.45	21.07	30.00
CP QPSK	20.75	23.37	20.96	23.58	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.50	22.43	22.50
	1	81	23.46	23.66	23.43
	1	160	22.05	22.04	21.80
	81	0	22.45	22.39	22.38
	81	41	23.22	23.33	23.18
	81	81	22.38	22.61	22.34
	162	0	22.54	22.53	22.42
DFT-S QPSK	1	1	22.34	22.46	22.23
	1	81	23.44	23.55	23.58
	1	160	22.59	22.57	22.44
	81	0	22.50	22.58	22.63
	81	41	23.57	23.69	23.58
	81	81	21.93	22.16	21.90
	162	0	22.22	22.31	22.18
DFT-S 16QAM	1	1	21.61	21.65	21.47
DFT-S 64QAM	1	1	20.08	20.22	20.10
DFT-S 256QAM	1	1	18.33	18.45	18.28
CP QPSK	1	1	20.78	20.85	20.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.80	24.42	23.66	26.28	30.00
DFT-S QPSK	21.90	24.52	23.69	26.31	30.00
DFT-S 16QAM	21.47	24.09	21.65	24.27	30.00
DFT-S 64QAM	20.08	22.70	20.22	22.84	30.00
DFT-S 256QAM	18.28	20.90	18.45	21.07	30.00
CP QPSK	20.78	23.40	20.87	23.49	30.00

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

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

NR n77 SCS 30 kHz 70M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 649000	CH 656000	CH 663000
			3735 MHz	3840 MHz	3945 MHz
DFT-S BPSK	1	1	22.49	22.53	22.39
	1	95	23.49	23.56	23.44
	1	187	21.94	22.10	21.86
	90	0	22.37	22.43	22.32
	90	50	23.15	23.19	23.17
	90	99	22.45	22.44	22.49
	180	0	22.55	22.74	22.58
DFT-S QPSK	1	1	22.31	22.44	22.19
	1	95	23.50	23.53	23.50
	1	187	22.36	22.55	22.56
	90	0	22.39	22.64	22.62
	90	50	23.50	23.64	23.68
	90	99	21.92	22.09	22.10
	180	0	22.27	22.33	22.19
DFT-S 16QAM	1	1	21.38	21.63	21.58
DFT-S 64QAM	1	1	20.22	20.31	20.06
DFT-S 256QAM	1	1	18.18	18.35	18.31
CP QPSK	1	1	20.76	20.97	20.94

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.86	24.48	23.56	26.18	30.00
DFT-S QPSK	21.92	24.54	23.68	26.30	30.00
DFT-S 16QAM	21.38	24.00	21.63	24.25	30.00
DFT-S 64QAM	20.06	22.68	20.31	22.93	30.00
DFT-S 256QAM	18.18	20.80	18.35	20.97	30.00
CP QPSK	20.76	23.38	20.97	23.59	30.00

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



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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.48	22.52	22.49
	1	109	23.51	23.53	23.43
	1	215	21.84	21.92	21.97
	108	0	22.45	22.57	22.30
	108	55	23.15	23.24	23.25
	108	109	22.43	22.55	22.44
	216	0	22.62	22.66	22.56
DFT-S QPSK	1	1	22.30	22.34	22.30
	1	109	23.46	23.47	23.52
	1	215	22.51	22.51	22.49
	108	0	22.45	22.52	22.63
	108	55	23.57	23.67	23.54
	108	109	21.93	22.13	21.92
	216	0	22.24	22.18	22.19
DFT-S 16QAM	1	1	21.54	21.60	21.58
DFT-S 64QAM	1	1	20.13	20.31	20.10
DFT-S 256QAM	1	1	18.24	18.30	18.36
CP QPSK	1	1	20.69	20.96	20.81

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.84	24.46	23.53	26.15	30.00
DFT-S QPSK	21.92	24.54	23.67	26.29	30.00
DFT-S 16QAM	21.54	24.16	21.60	24.22	30.00
DFT-S 64QAM	20.10	22.72	20.31	22.93	30.00
DFT-S 256QAM	18.24	20.86	18.36	20.98	30.00
CP QPSK	20.69	23.31	20.96	23.58	30.00

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

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

NR n77 SCS 30 kHz 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 BPSK	1	1	22.45	22.58	22.41
	1	123	23.54	23.55	23.48
	1	243	21.91	21.93	21.85
	120	0	22.48	22.50	22.26
	120	63	23.33	23.29	23.10
	120	125	22.51	22.45	22.58
	243	0	22.52	22.64	22.51
DFT-S QPSK	1	1	22.44	22.40	22.21
	1	123	23.48	23.59	23.43
	1	243	22.39	22.62	22.57
	120	0	22.43	22.56	22.48
	120	63	23.57	23.73	23.52
	120	125	21.90	22.16	22.00
	243	0	22.22	22.17	22.19
DFT-S 16QAM	1	1	21.51	21.71	21.59
DFT-S 64QAM	1	1	19.98	20.19	20.10
DFT-S 256QAM	1	1	18.24	18.38	18.42
CP QPSK	1	1	20.96	21.07	20.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	21.85	24.47	23.55	26.17	30.00
DFT-S QPSK	21.90	24.52	23.73	26.35	30.00
DFT-S 16QAM	21.51	24.13	21.71	24.33	30.00
DFT-S 64QAM	19.98	22.60	20.19	22.81	30.00
DFT-S 256QAM	18.24	20.86	18.42	21.04	30.00
CP QPSK	20.91	23.53	21.07	23.69	30.00

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

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

NR n77 SCS 30 kHz 100M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 650000	CH 656000	CH 662000
			3750 MHz	3840 MHz	3930 MHz
DFT-S BPSK	1	1	22.48	22.66	22.61
	1	137	23.52	23.74	23.56
	1	271	22.10	22.14	22.00
	135	0	22.48	22.54	22.36
	135	69	23.35	23.42	23.26
	135	138	22.56	22.63	22.51
	270	0	22.71	22.75	22.67
DFT-S QPSK	1	1	22.49	22.49	22.27
	1	137	23.60	23.60	23.63
	1	271	22.56	22.60	22.54
	135	0	22.49	22.68	22.68
	135	69	23.62	23.73	23.61
	135	138	22.06	22.17	22.12
	270	0	22.32	22.34	22.32
DFT-S 16QAM	1	1	21.58	21.79	21.67
DFT-S 64QAM	1	1	20.17	20.28	20.21
DFT-S 256QAM	1	1	18.39	18.51	18.34
CP QPSK	1	1	20.95	21.02	21.07

Output Power					
Modulation	Minimum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum Cond. Power (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
DFT-S BPSK	22.00	24.62	23.74	26.36	30.00
DFT-S QPSK	22.06	24.68	23.73	26.35	30.00
DFT-S 16QAM	21.58	24.20	21.79	24.41	30.00
DFT-S 64QAM	20.17	22.79	20.28	22.90	30.00
DFT-S 256QAM	18.34	20.96	18.51	21.13	30.00
CP QPSK	20.95	23.57	21.07	23.69	30.00

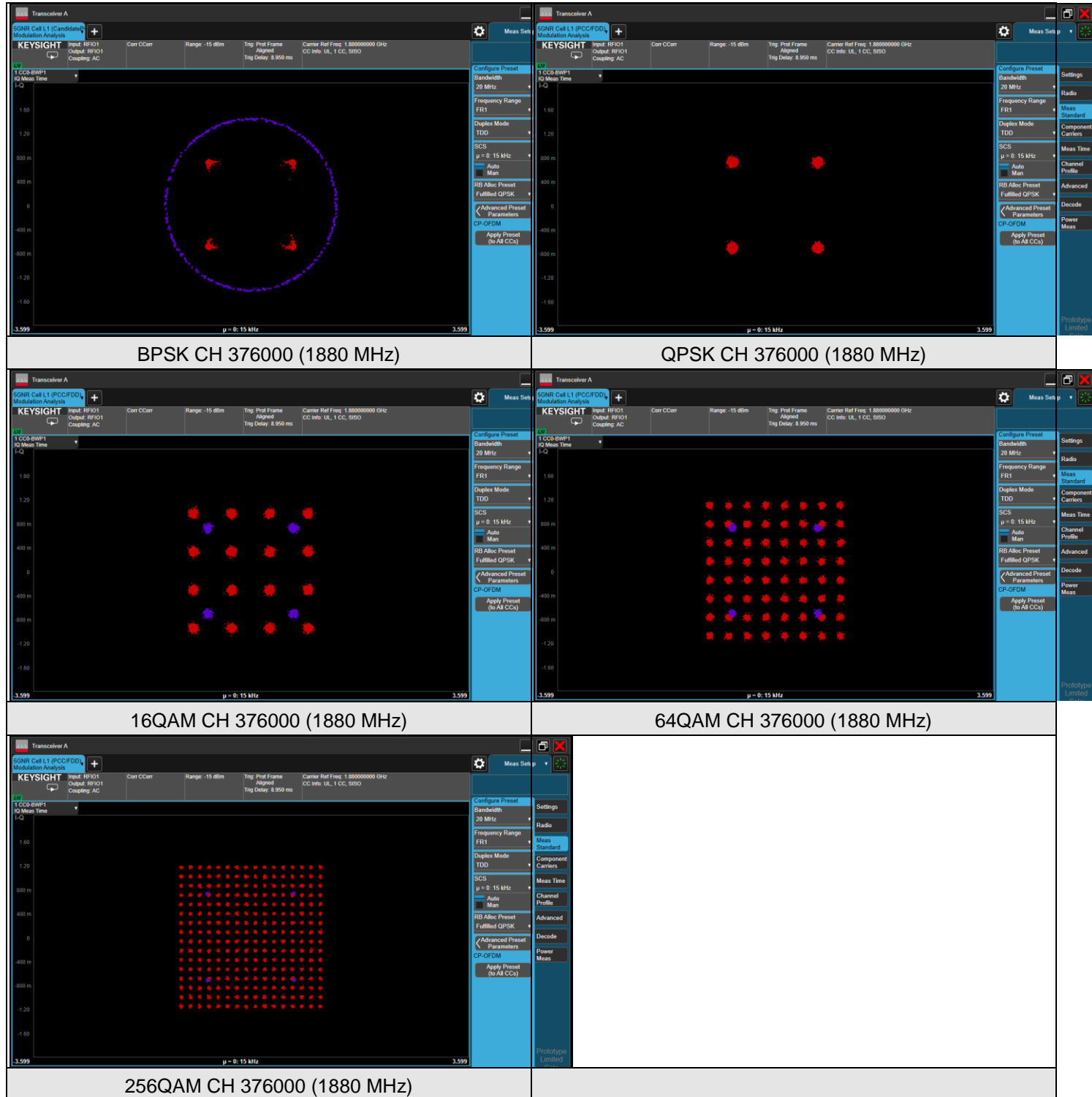
Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

## 7.2 Modulation Characteristics

Input Power:	4.7 Vdc	Environmental Conditions:	22°C, 73% RH	Tested By:	Willy Cheng
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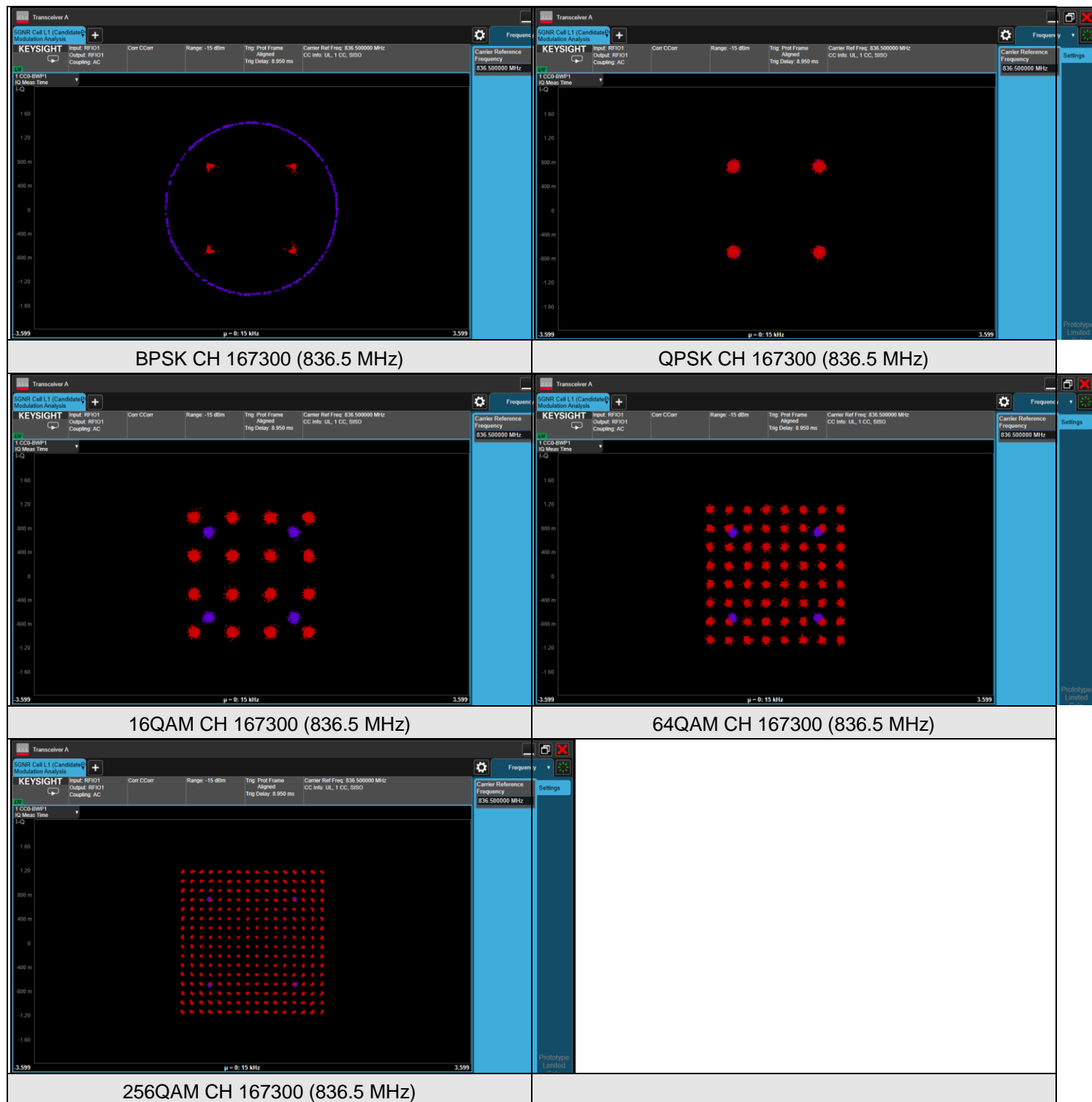
### 7.2.1 NR n2 SCS 15 kHz

#### NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz



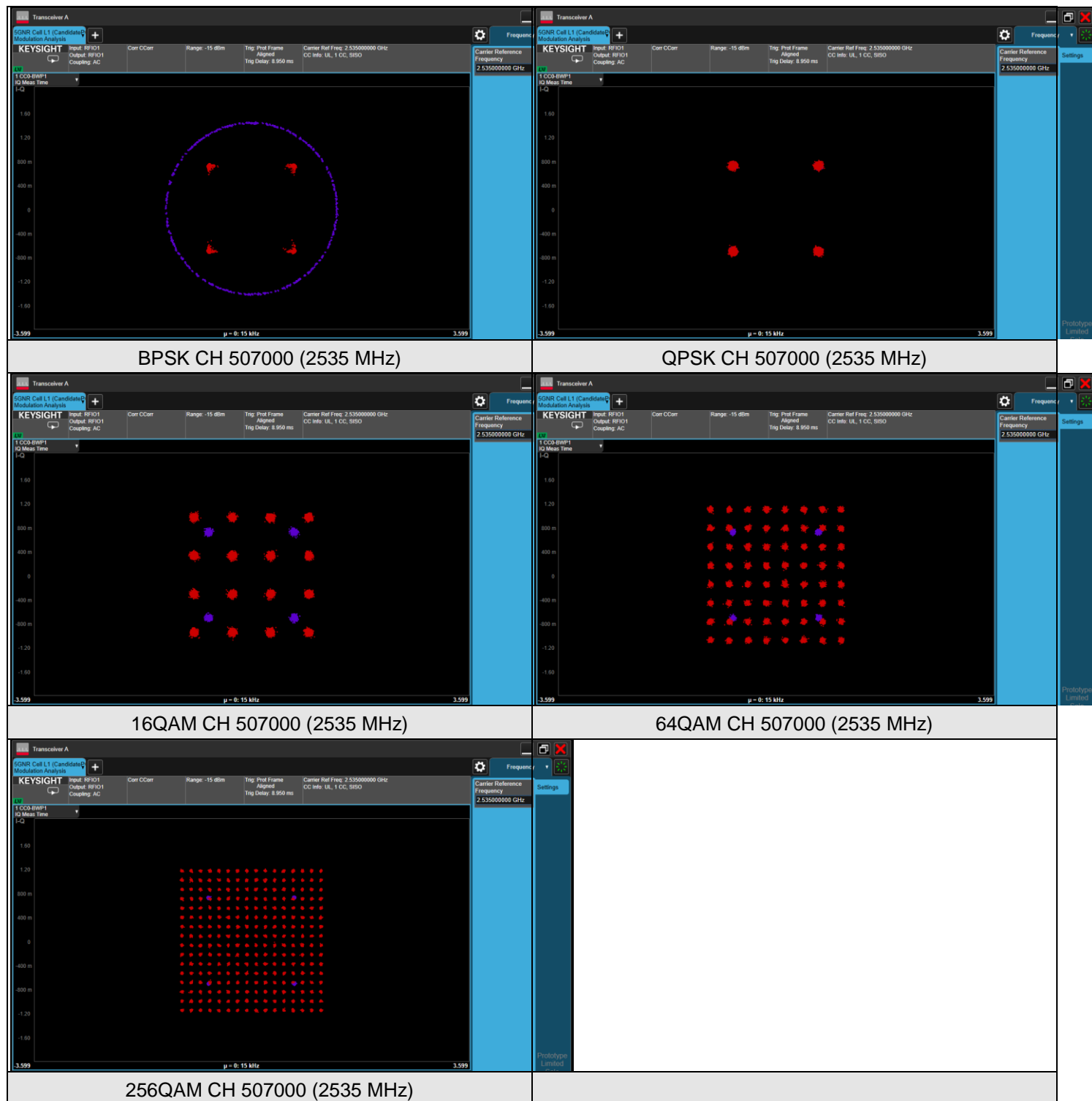
7.2.2 NR n5 SCS 15 kHz

NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz



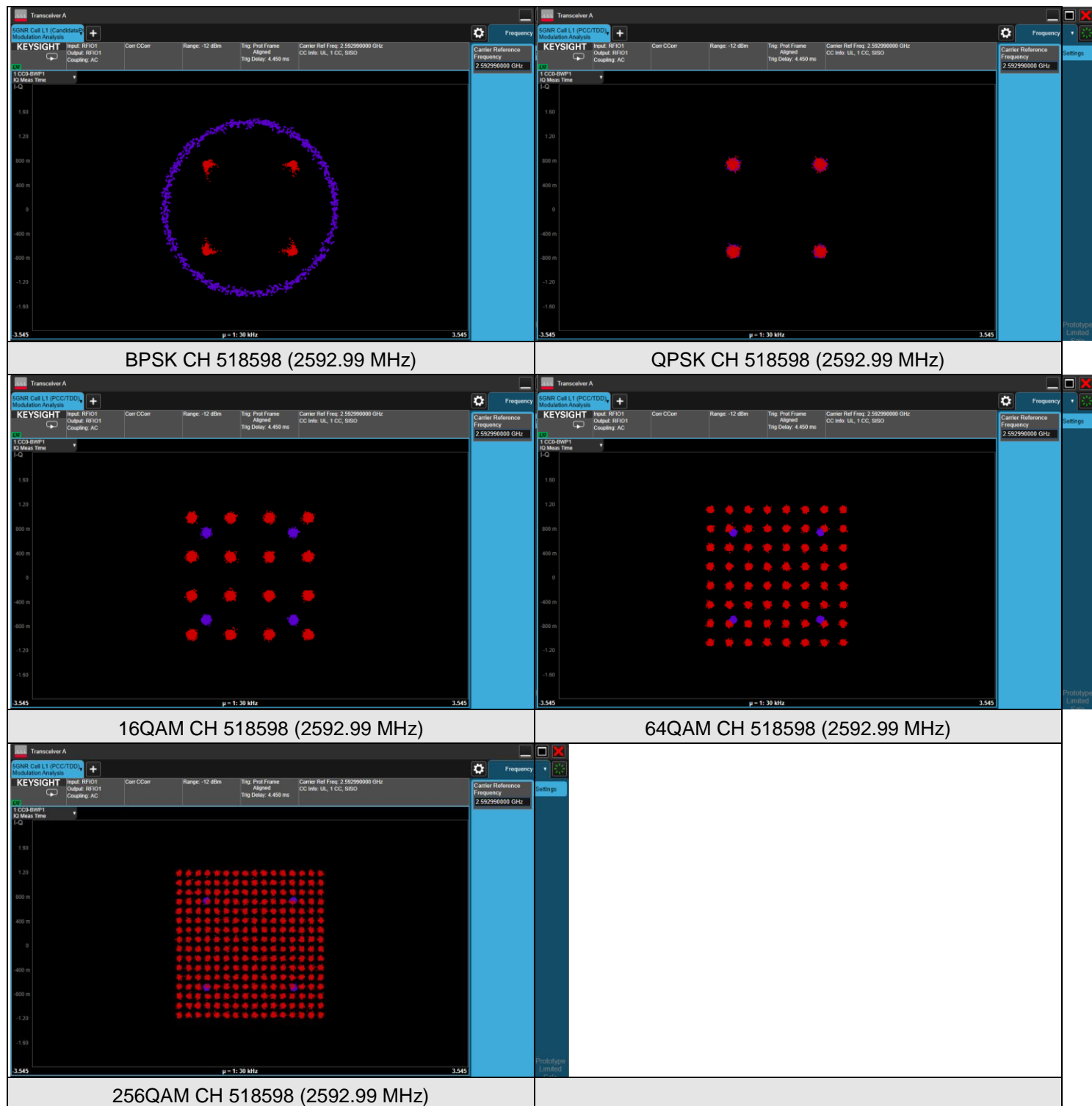
### 7.2.3 NR n7 SCS 15 kHz

#### NR n7 SCS 15 kHz, Channel Bandwidth: 20 MHz



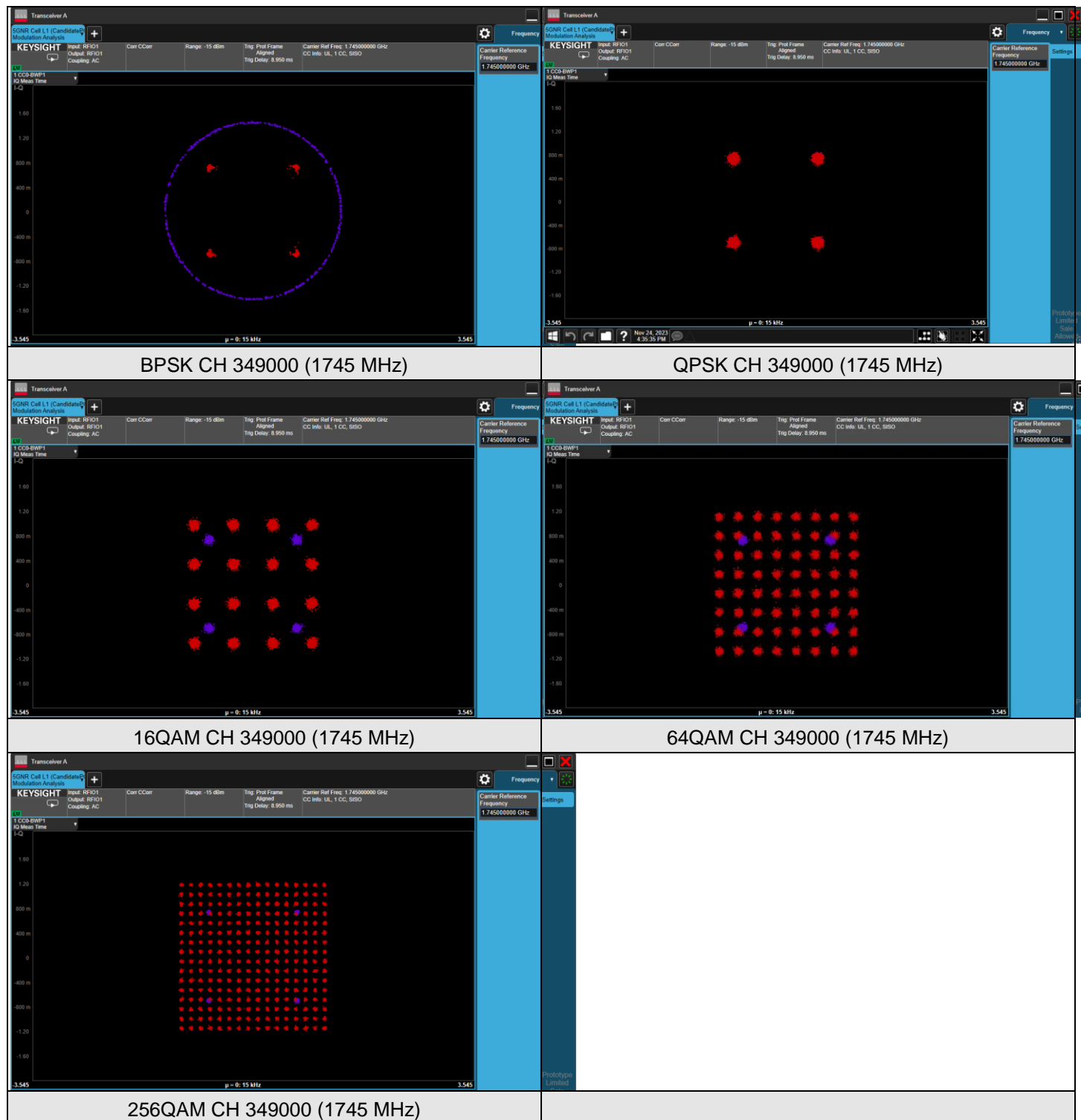
7.2.4 NR n41 SCS 30 kHz

NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz



7.2.5 NR n66 SCS 15 kHz

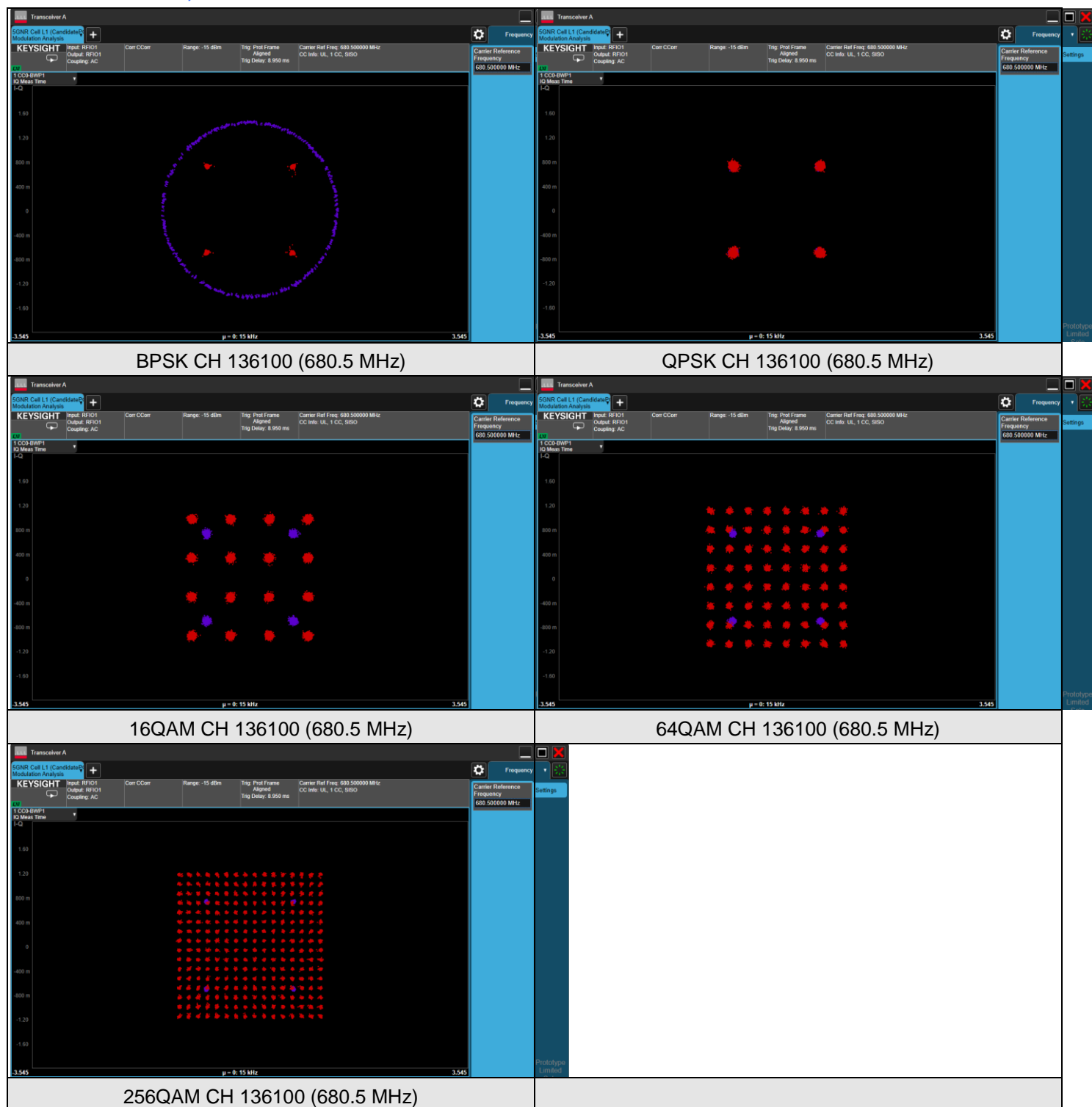
NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz





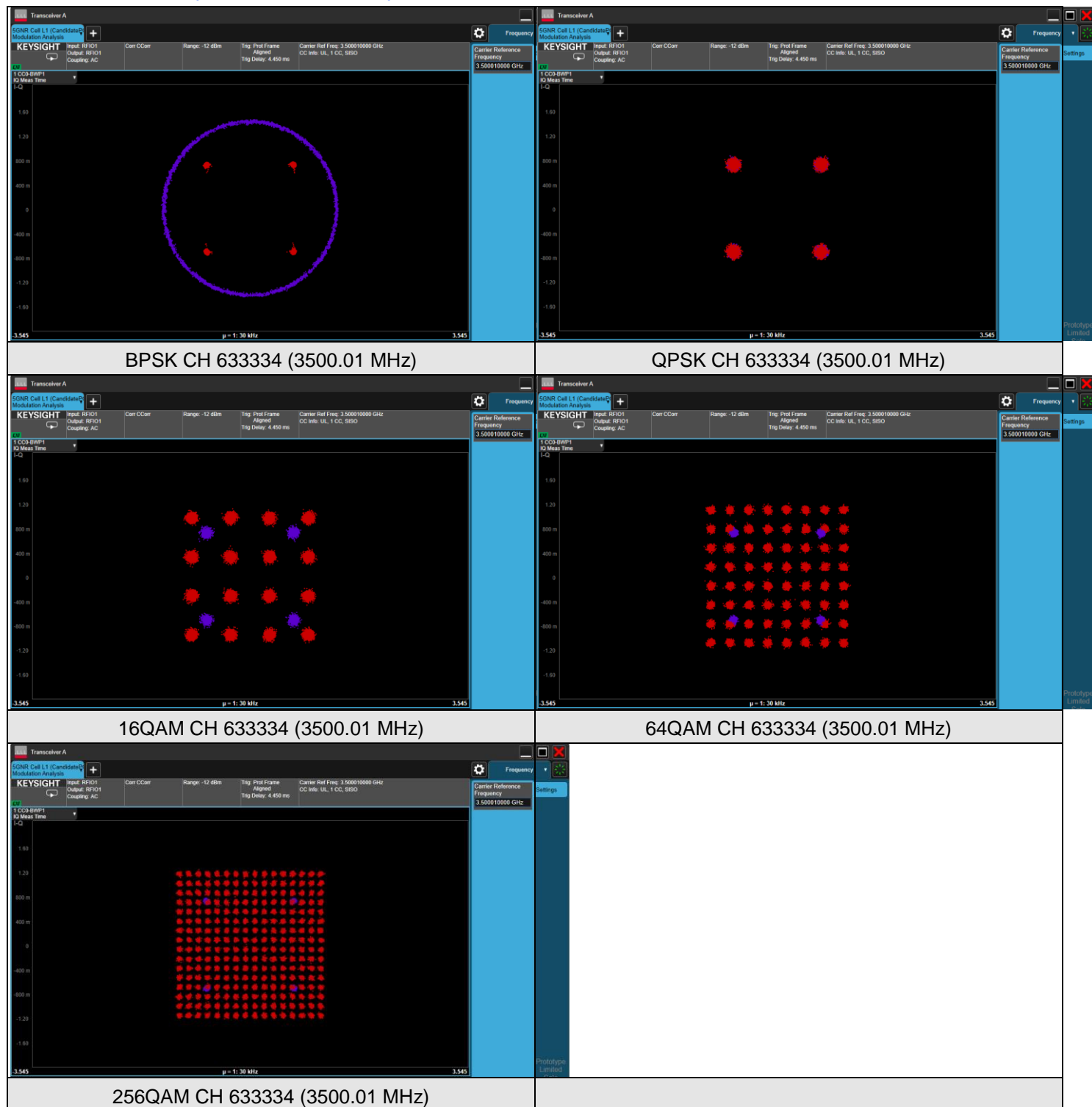
7.2.6 NR n71 SCS 15 kHz

NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz



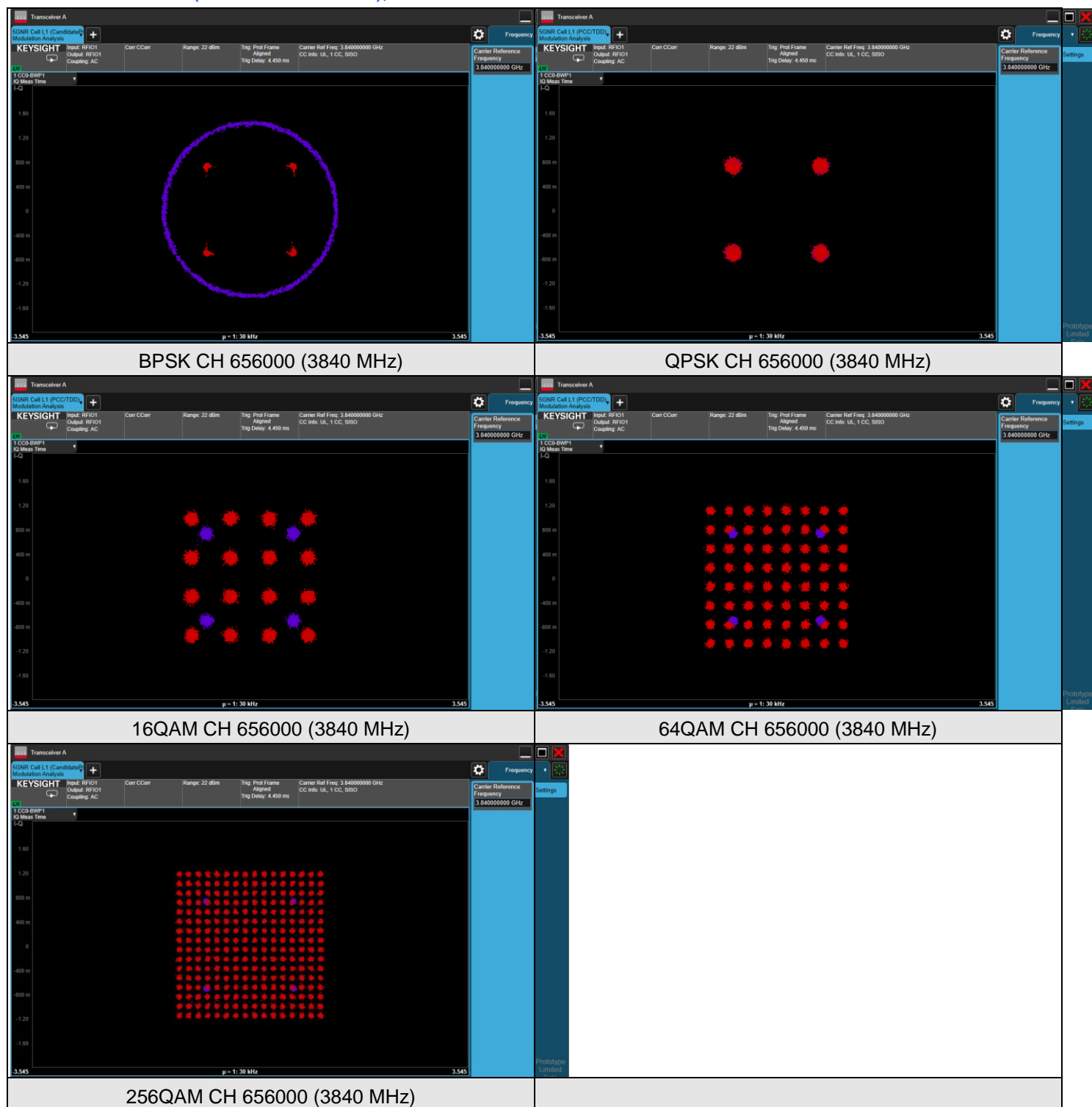
7.2.7 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

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



7.2.8 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

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



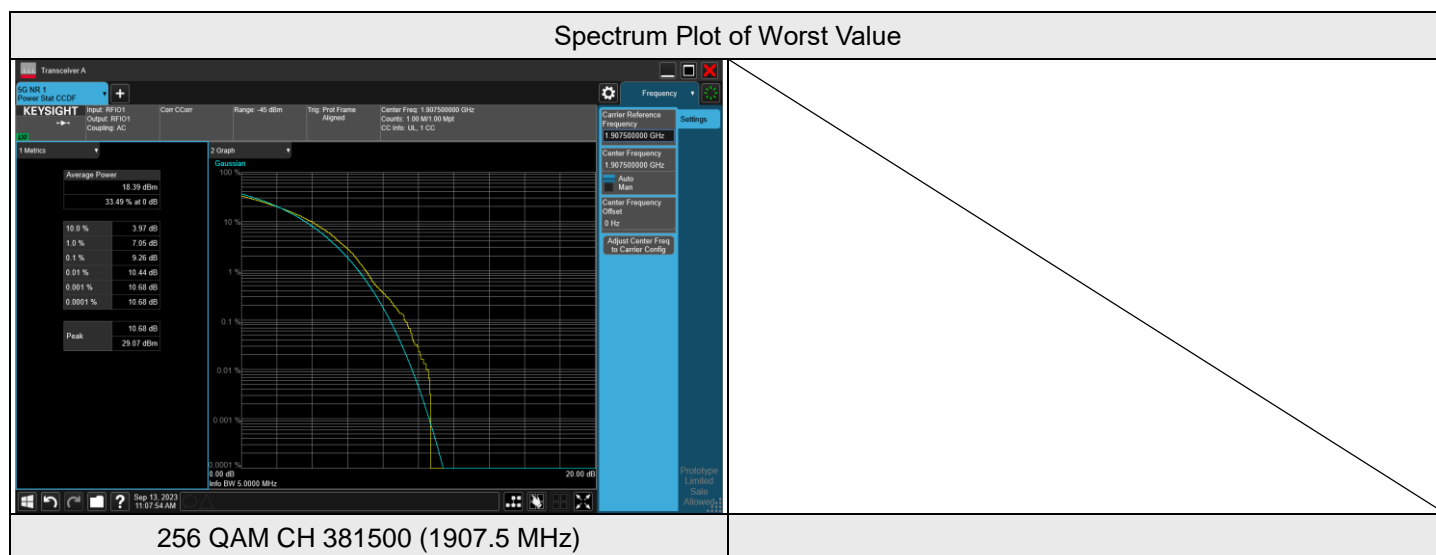
### 7.3 Peak to Average Ratio

Input Power:	4.7 Vdc	Environmental Conditions:	23°C, 71% RH	Tested By:	James Yang
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#### 7.3.1 NR n2 SCS 15 kHz

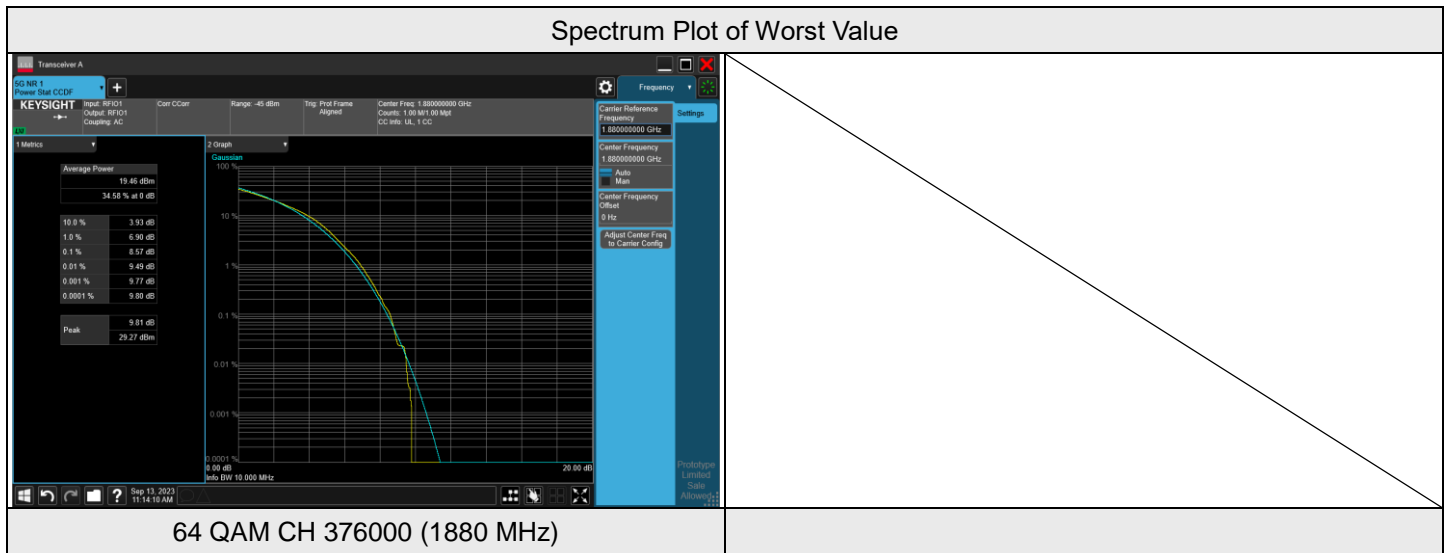
#### NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

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	4.46	4.54	4.46
QPSK	13	6	8.15	8.07	7.92
16 QAM	13	6	8.39	8.34	8.19
64 QAM	13	6	8.70	8.83	8.70
256 QAM	13	6	8.35	8.55	9.26



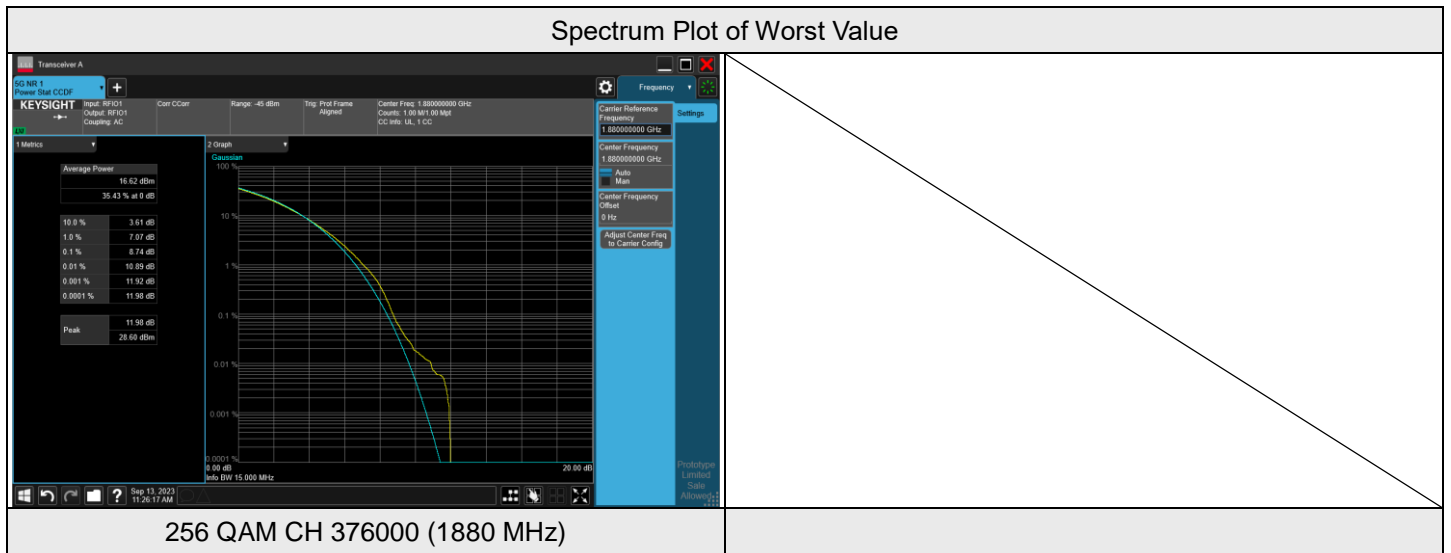
**NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz**

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	4.73	4.81	4.75
QPSK	26	13	8.44	8.35	8.17
16 QAM	26	13	8.37	8.26	8.14
64 QAM	26	13	8.49	8.57	8.48
256 QAM	26	13	8.43	8.56	8.32



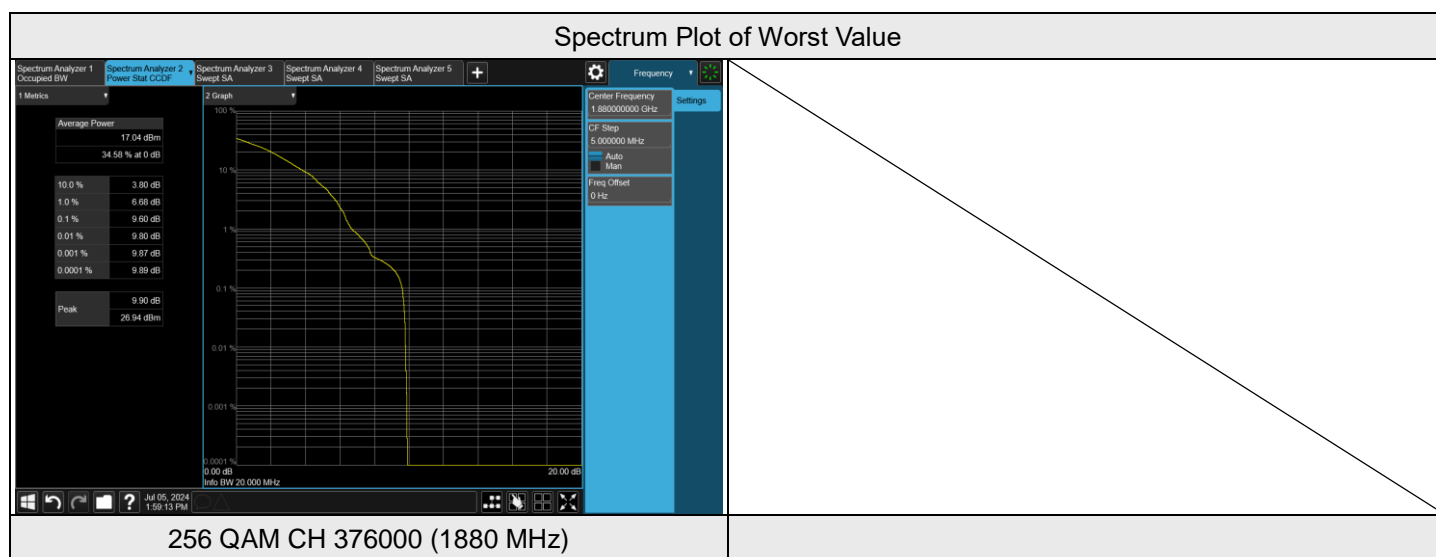
NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

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	4.45	4.50	4.41
QPSK	39	19	8.34	8.27	8.12
16 QAM	39	19	8.41	8.37	8.20
64 QAM	39	19	8.43	8.51	8.35
256 QAM	39	19	8.65	8.74	8.33



NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

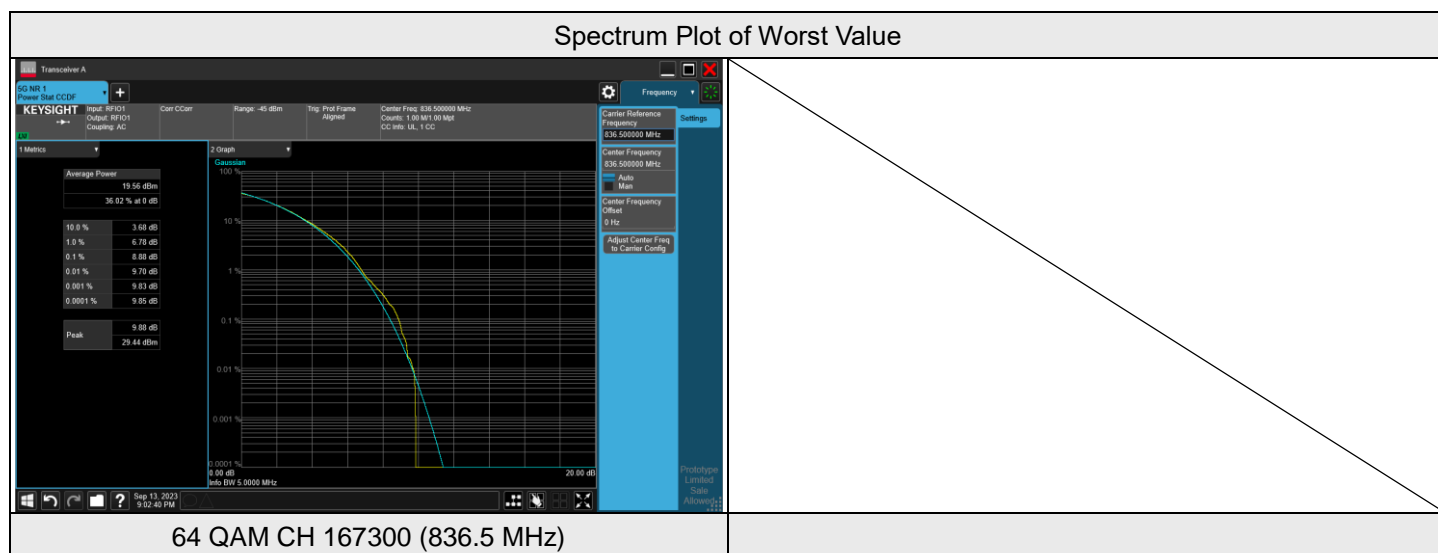
EN-DC LTE 5 NR n2 SCS 15 kHz 20M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 372000	CH 376000	CH 380000
			1860 MHz	1880 MHz	1900 MHz
BPSK	50	25	3.86	4.02	4.02
QPSK	53	26	6.89	6.82	6.75
16 QAM	53	26	6.85	7.30	6.76
64 QAM	53	26	7.88	7.85	7.83
256 QAM	53	26	9.45	9.60	9.53



### 7.3.2 NR n5 SCS 15 kHz

#### NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

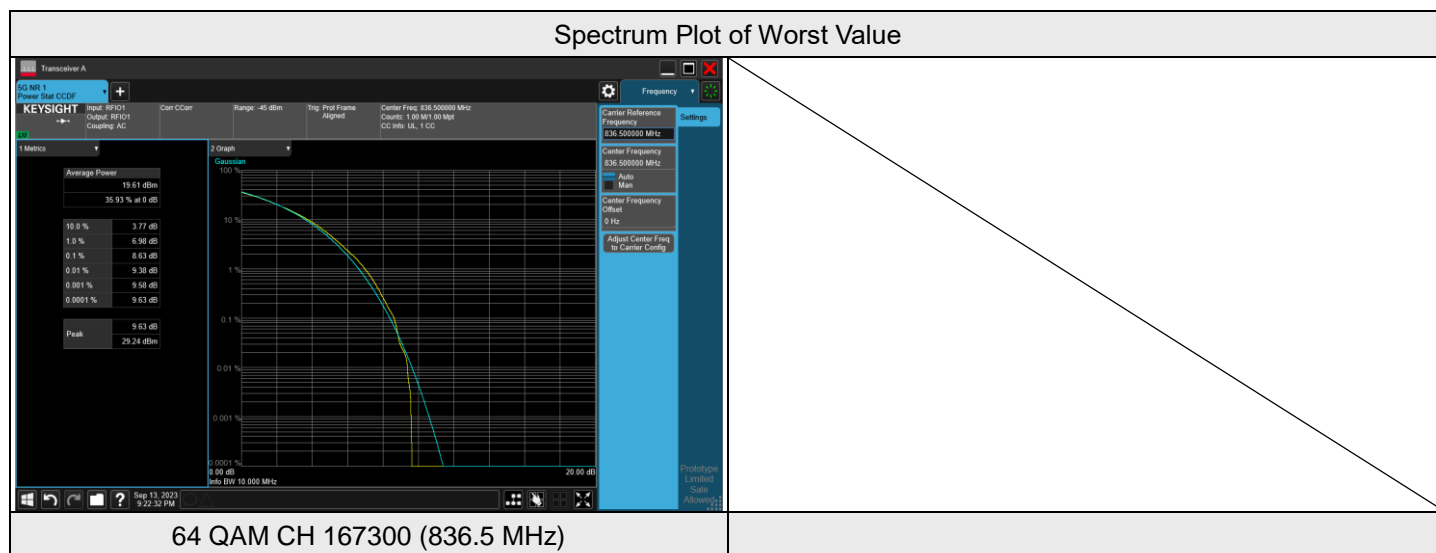
EN-DC LTE 2 NR n5 SCS 15 kHz 5M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 165300	CH 167300	CH 169300
			826.5 MHz	836.5 MHz	846.5 MHz
BPSK	12	6	4.22	4.66	4.38
QPSK	13	6	7.12	7.84	7.32
16 QAM	13	6	7.48	8.18	7.65
64 QAM	13	6	8.26	8.88	8.51
256 QAM	13	6	7.93	8.31	8.00





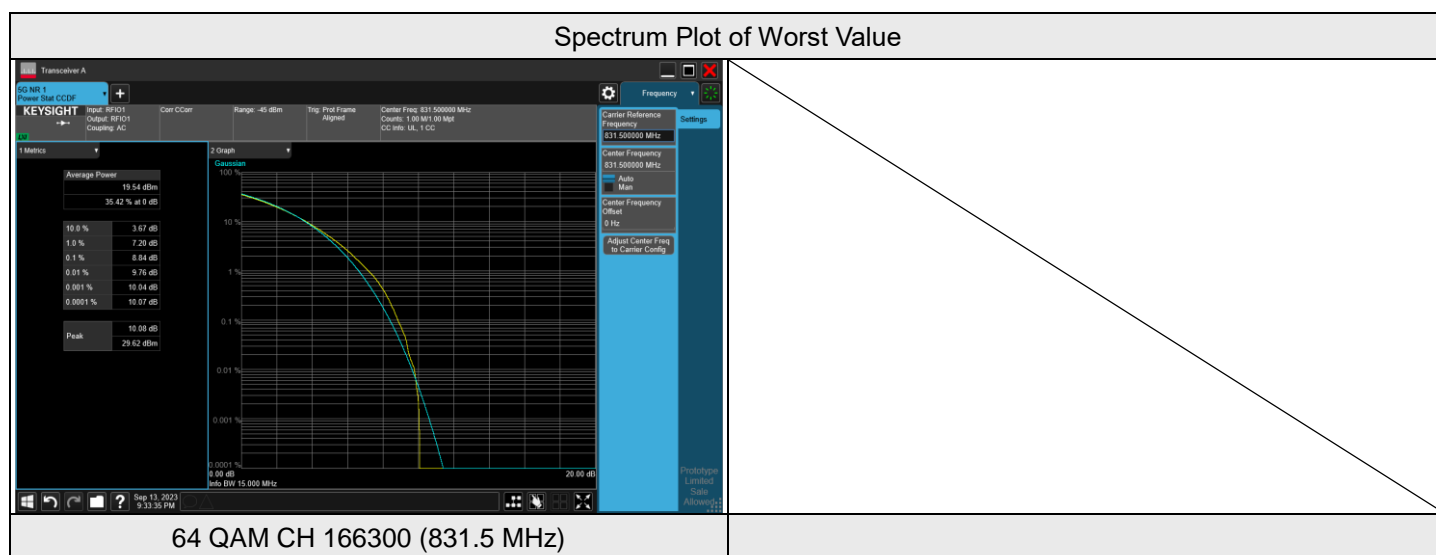
NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

EN-DC LTE 2 NR n5 SCS 15 kHz 10M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 165800	CH 167300	CH 168800
			829 MHz	836.5 MHz	844 MHz
BPSK	25	12	4.74	4.89	4.26
QPSK	26	13	7.78	8.04	6.98
16 QAM	26	13	7.95	8.15	7.20
64 QAM	26	13	8.48	8.63	7.94
256 QAM	26	13	8.14	8.36	7.87



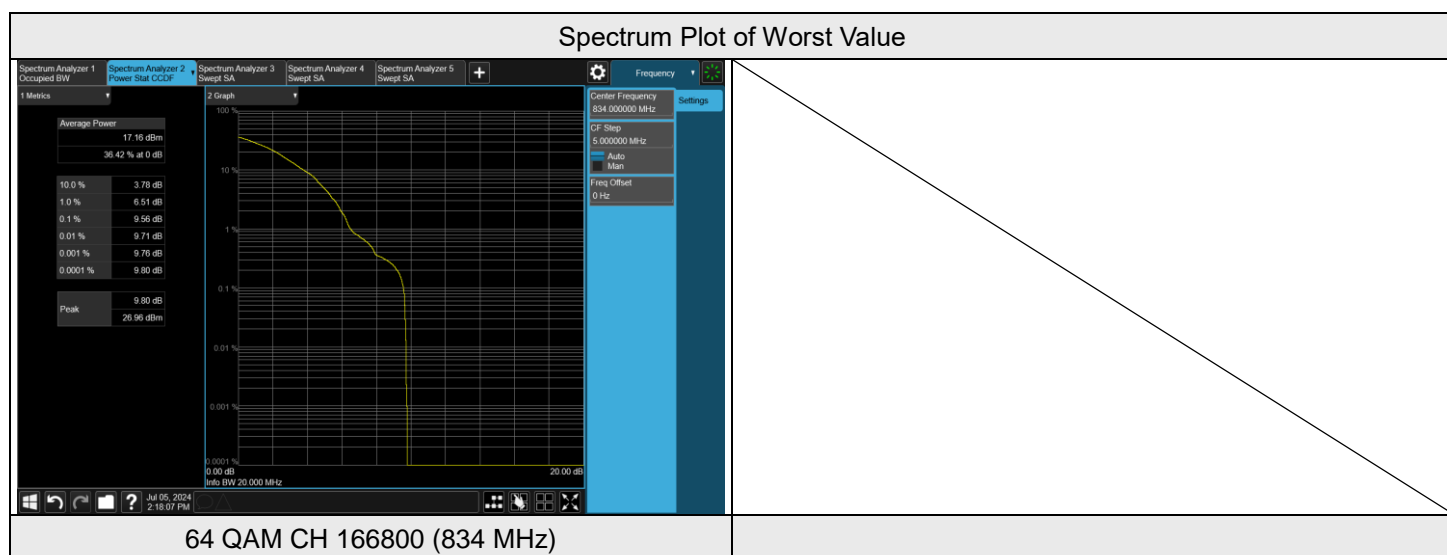
NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

EN-DC LTE 2 NR n5 SCS 15 kHz 15M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 166300	CH 167300	CH 168300
			831.5 MHz	836.5 MHz	841.5 MHz
BPSK	36	18	4.81	4.59	4.11
QPSK	39	19	8.14	7.96	6.92
16 QAM	39	19	8.33	8.19	7.25
64 QAM	39	19	8.84	8.52	7.91
256 QAM	39	19	8.52	8.52	8.13



NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

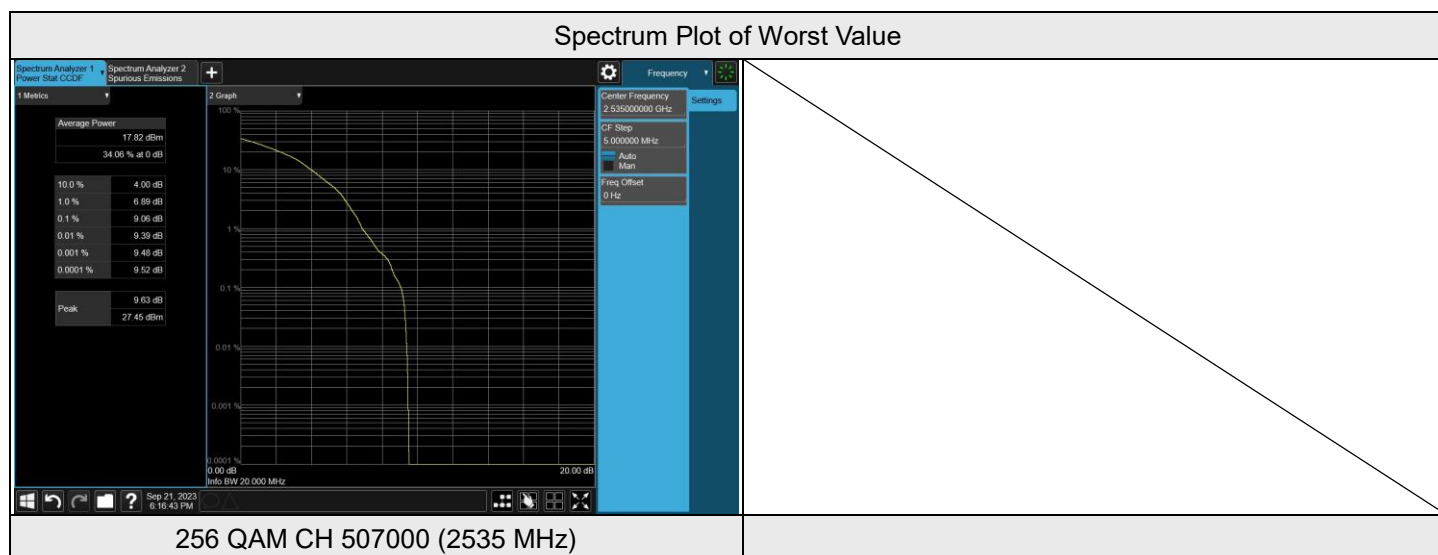
EN-DC LTE 2 NR n5 SCS 15 kHz 20M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 166800	CH 167300	CH 167800
			834 MHz	836.5 MHz	839 MHz
BPSK	50	25	4.61	4.14	3.47
QPSK	53	26	7.34	6.42	5.75
16 QAM	53	26	7.04	6.33	5.91
64 QAM	53	26	8.05	7.53	6.78
256 QAM	53	26	9.56	7.95	8.62



7.3.3 NR n7 SCS 15 kHz

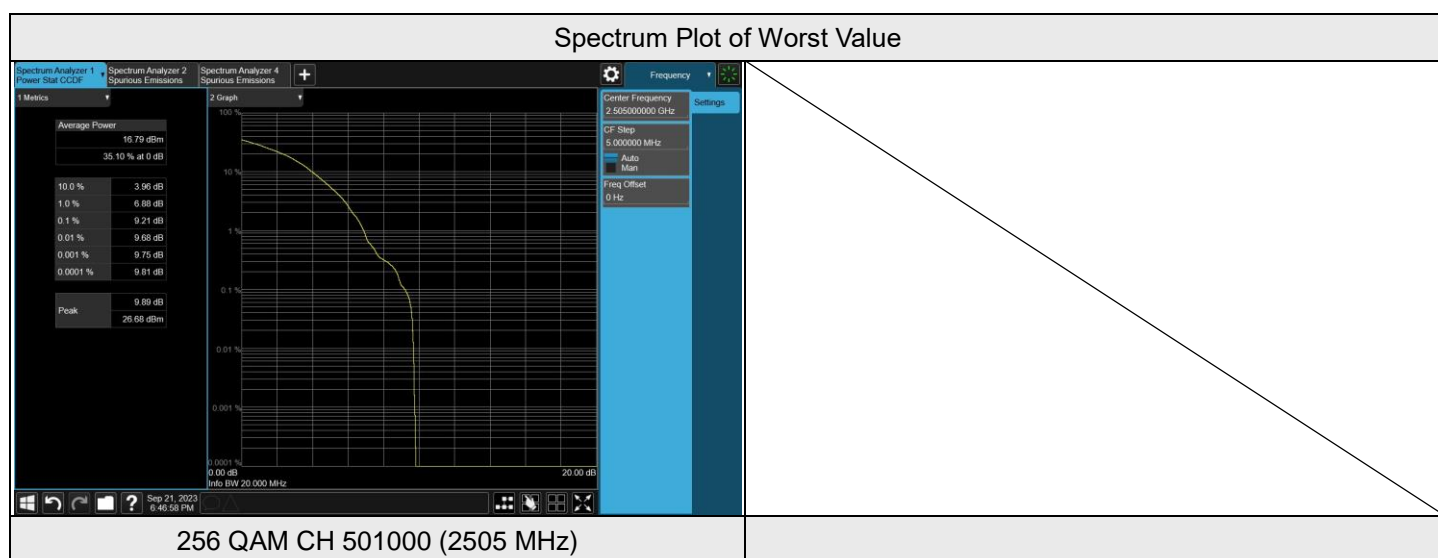
NR n7 SCS 15 kHz, Channel Bandwidth: 5 MHz

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



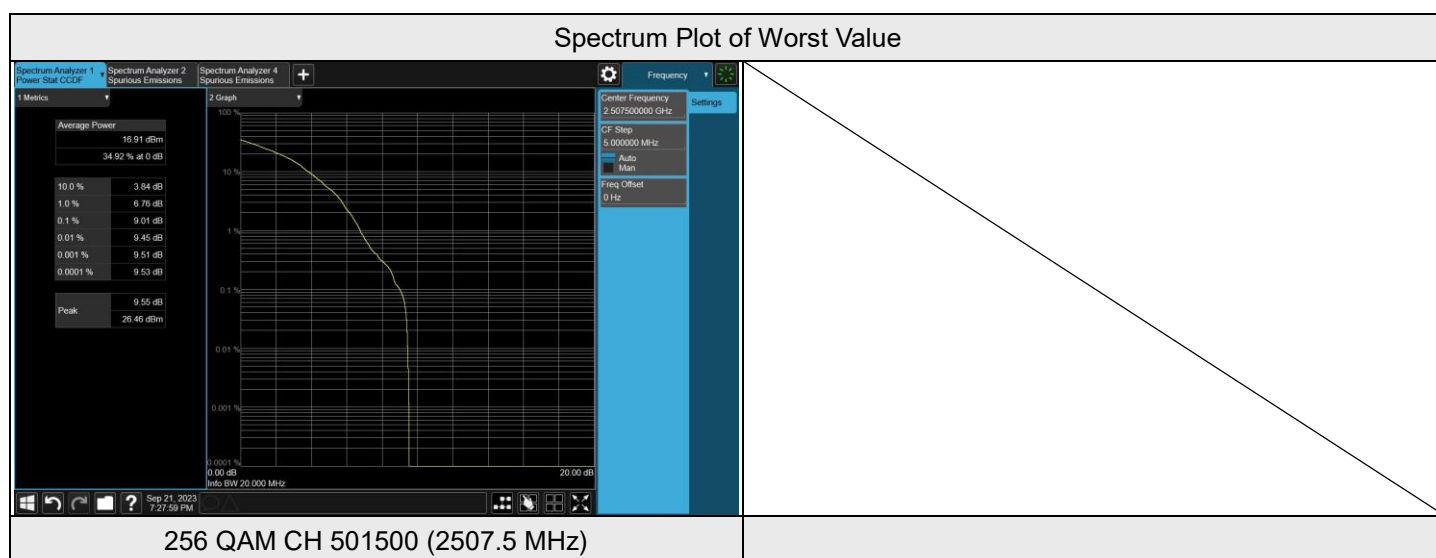
**NR n7 SCS 15 kHz, Channel Bandwidth: 10 MHz**

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



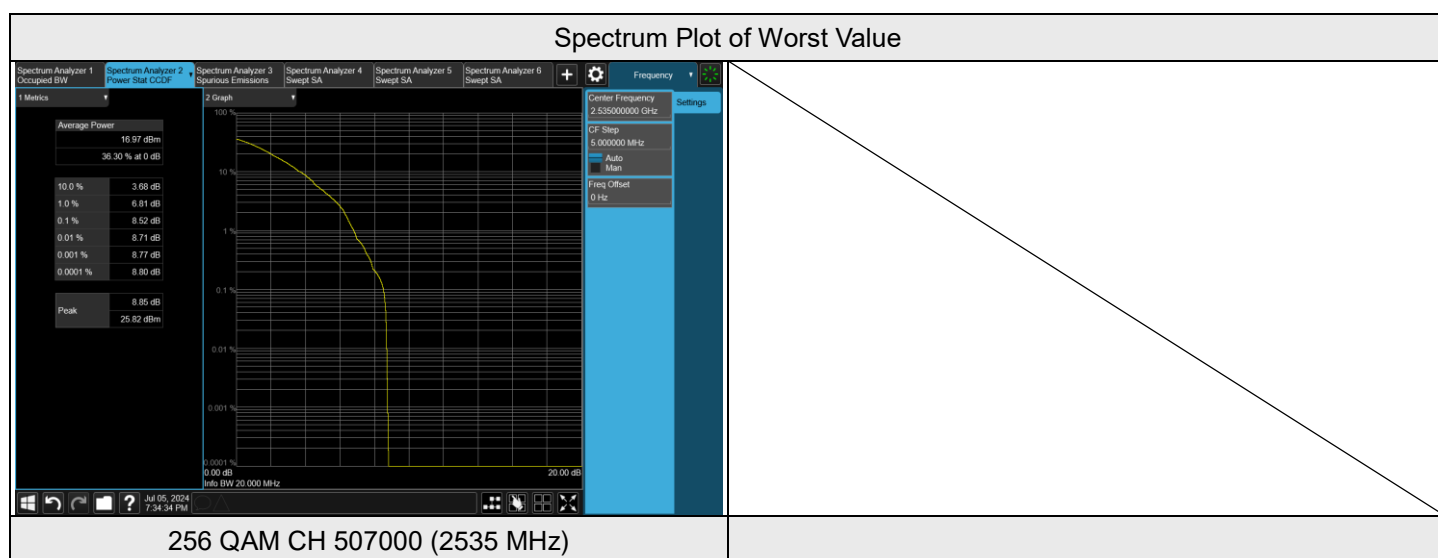
NR n7 SCS 15 kHz, Channel Bandwidth: 15 MHz

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



NR n7 SCS 15 kHz, Channel Bandwidth: 20 MHz

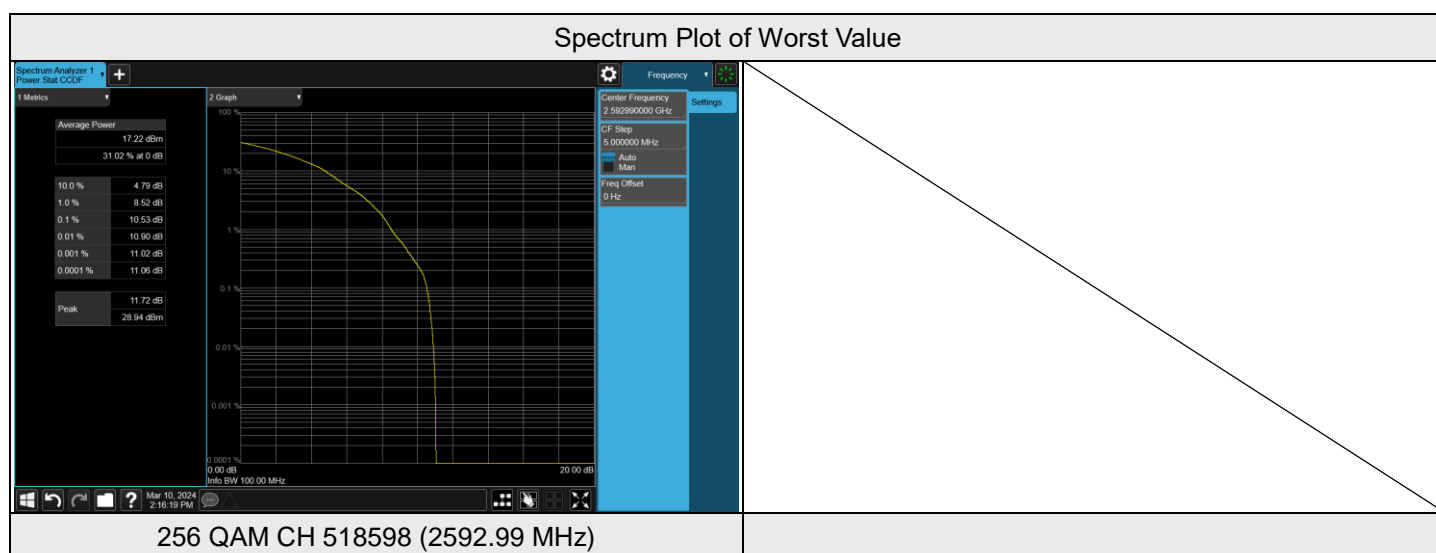
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 502000	CH 507000	CH 512000
			2510 MHz	2535 MHz	2560 MHz
BPSK	1	0	4.57	3.91	4.47
QPSK	1	0	6.79	6.66	6.54
16 QAM	1	0	7.53	7.37	7.32
64 QAM	1	0	8.46	8.32	8.23
256 QAM	1	0	8.51	8.52	8.40



### 7.3.4 NR n41 SCS 30 kHz

#### NR n41 SCS 30 kHz, Channel Bandwidth: 10 MHz

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

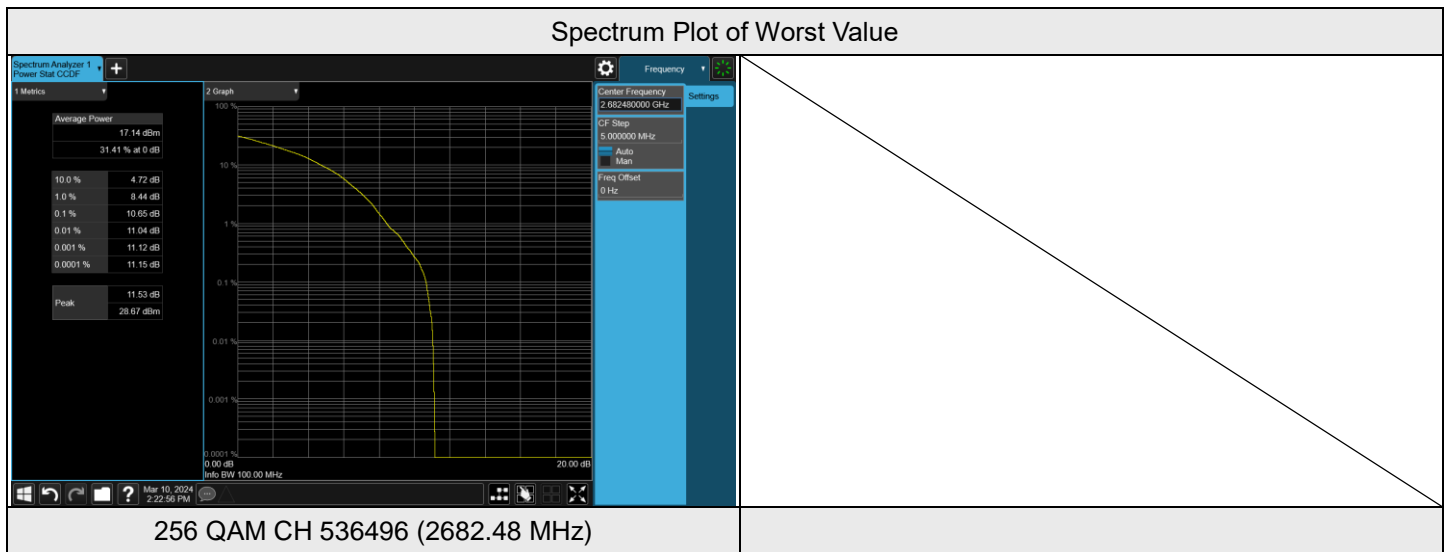






NR n41 SCS 30 kHz, Channel Bandwidth: 15 MHz

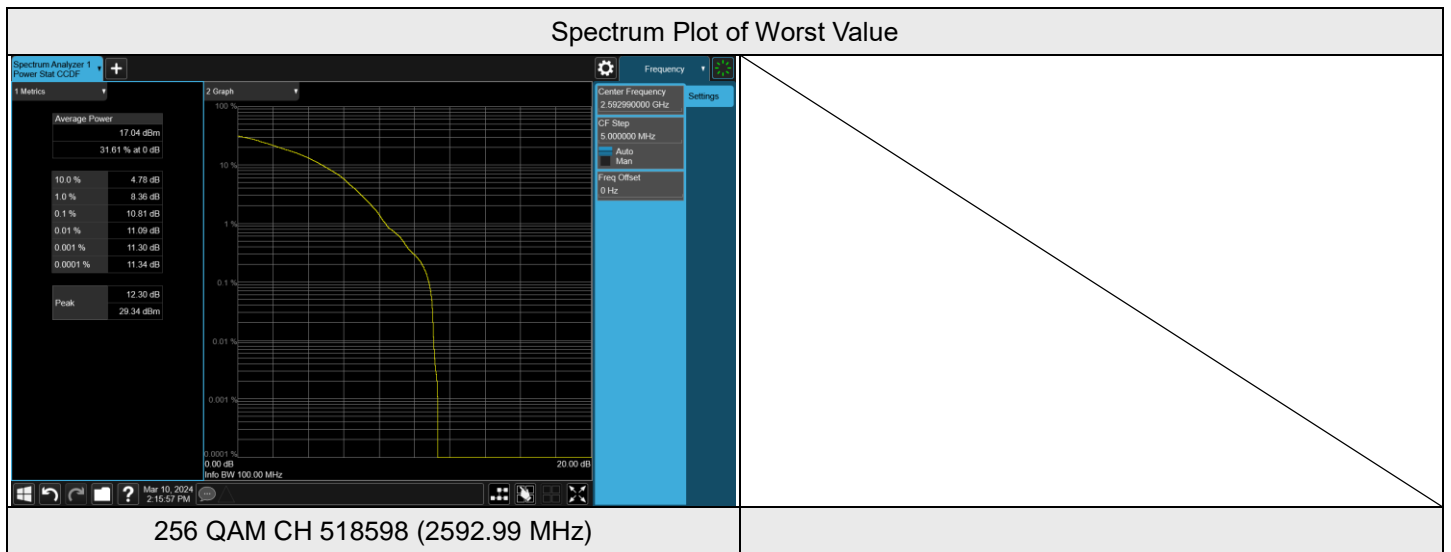
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 500700	CH 518598	CH 536496
			2503.5 MHz	2592.99 MHz	2682.48 MHz
BPSK	1	0	5.13	5.45	5.08
QPSK	1	0	8.53	7.49	7.94
16 QAM	1	0	8.33	8.21	7.74
64 QAM	1	0	9.44	9.14	9.21
256 QAM	1	0	10.33	10.22	10.65





NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz

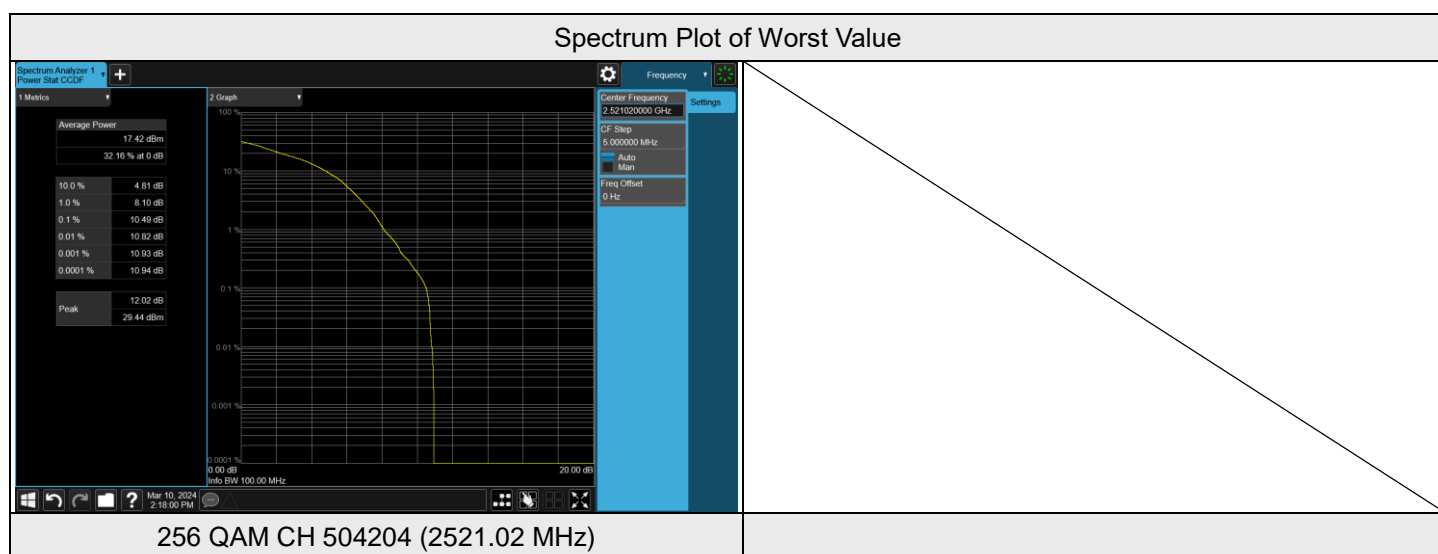
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 501204	CH 518598	CH 536496
			2506.02MHz	2592.99 MHz	2679.99 MHz
BPSK	1	0	5.04	5.79	5.14
QPSK	1	0	8.14	7.61	8.06
16 QAM	1	0	8.3	8.28	7.78
64 QAM	1	0	9.54	9.33	8.93
256 QAM	1	0	10.34	10.81	10.46





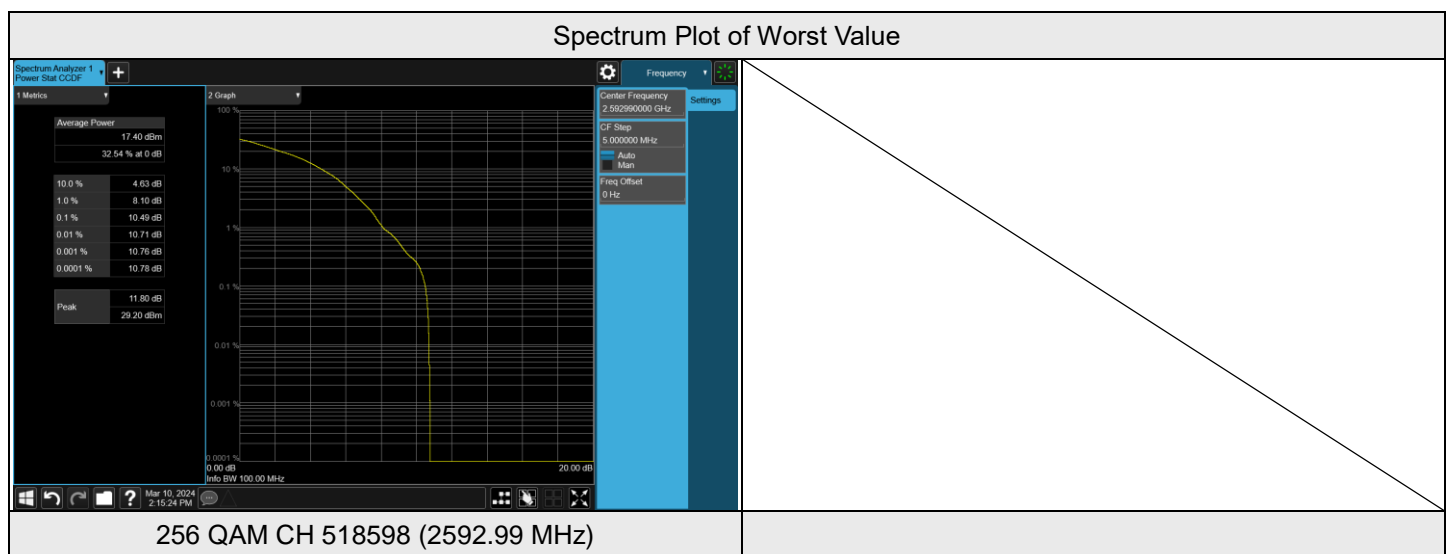
NR n41 SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 504204	CH 518598	CH 532998
			2521.02 MHz	2592.99 MHz	2664.99 MHz
BPSK	1	0	5.09	5.37	4.97
QPSK	1	0	8.2	7.29	8.14
16 QAM	1	0	8.07	7.67	7.87
64 QAM	1	0	9.29	9.27	8.77
256 QAM	1	0	10.49	10.45	10.49



NR n41 SCS 30 kHz, Channel Bandwidth: 60 MHz

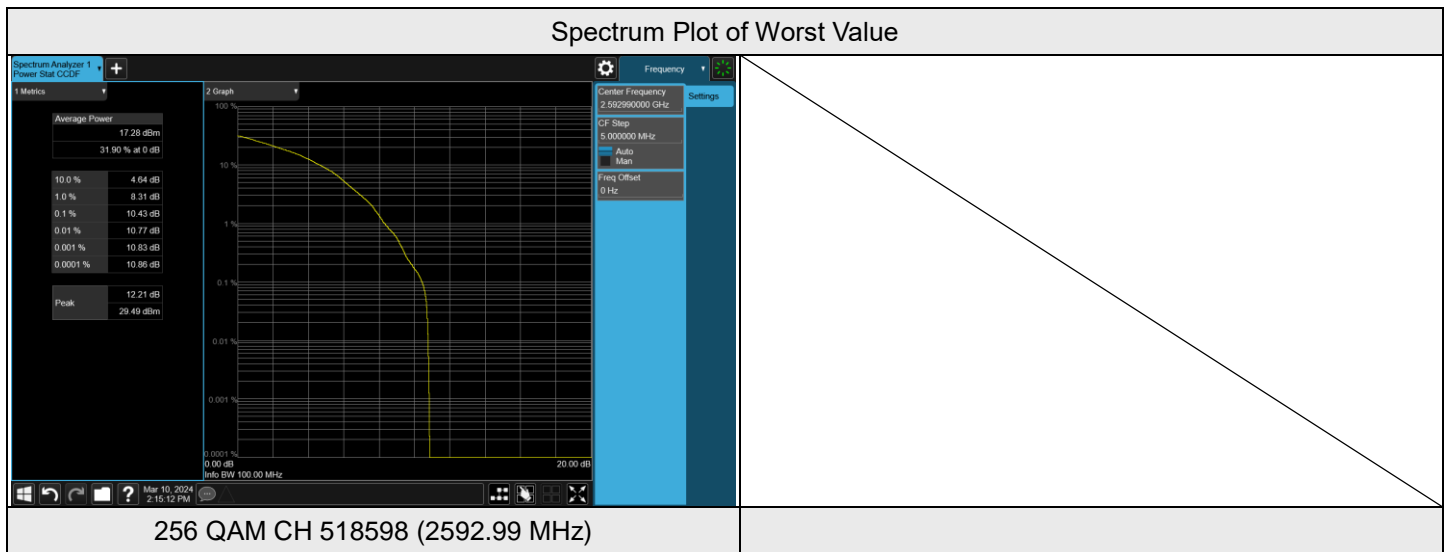
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 505200	CH 518598	CH 531996
			2526 MHz	2592.99 MHz	2659.98 MHz
BPSK	1	0	5.21	5.08	5.15
QPSK	1	0	8.12	8.13	7.79
16 QAM	1	0	8.32	7.92	7.7
64 QAM	1	0	9.12	9.2	8.81
256 QAM	1	0	9.73	10.49	10.49





NR n41 SCS 30 kHz, Channel Bandwidth: 70 MHz

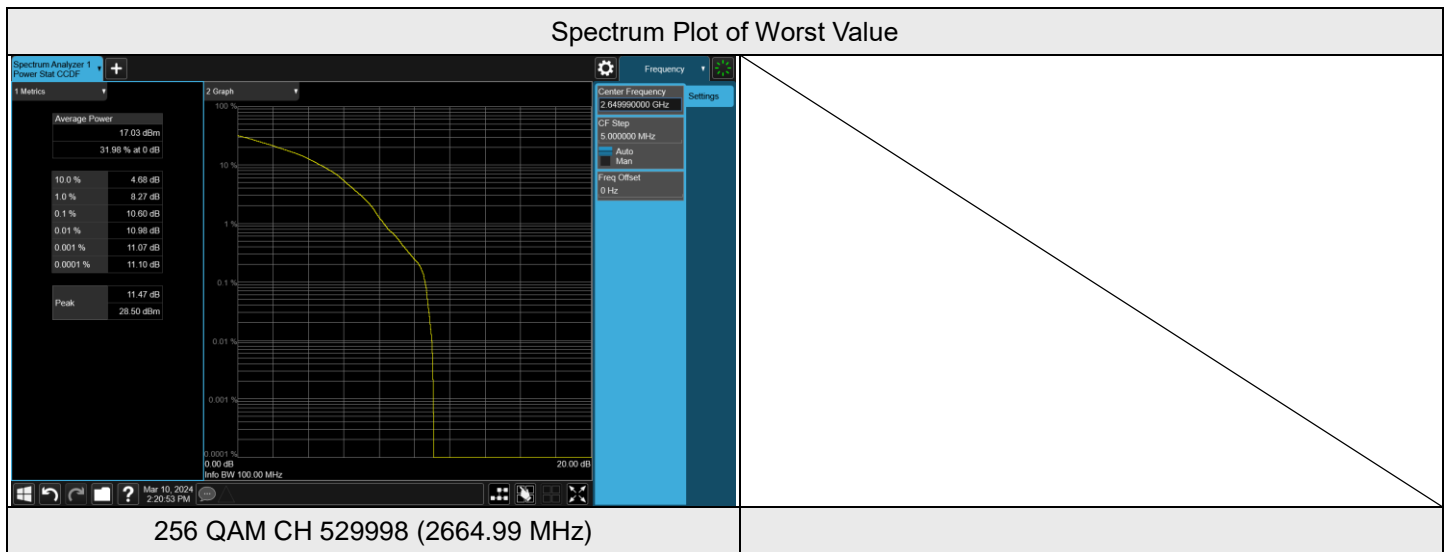
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 506202	CH 518598	CH 531000
			2531.01 MHz	2592.99 MHz	2655 MHz
BPSK	1	0	5	5.53	5.6
QPSK	1	0	7.65	8.02	7.76
16 QAM	1	0	8.08	8.26	7.93
64 QAM	1	0	9.12	9.72	9.37
256 QAM	1	0	10.26	10.43	10.31





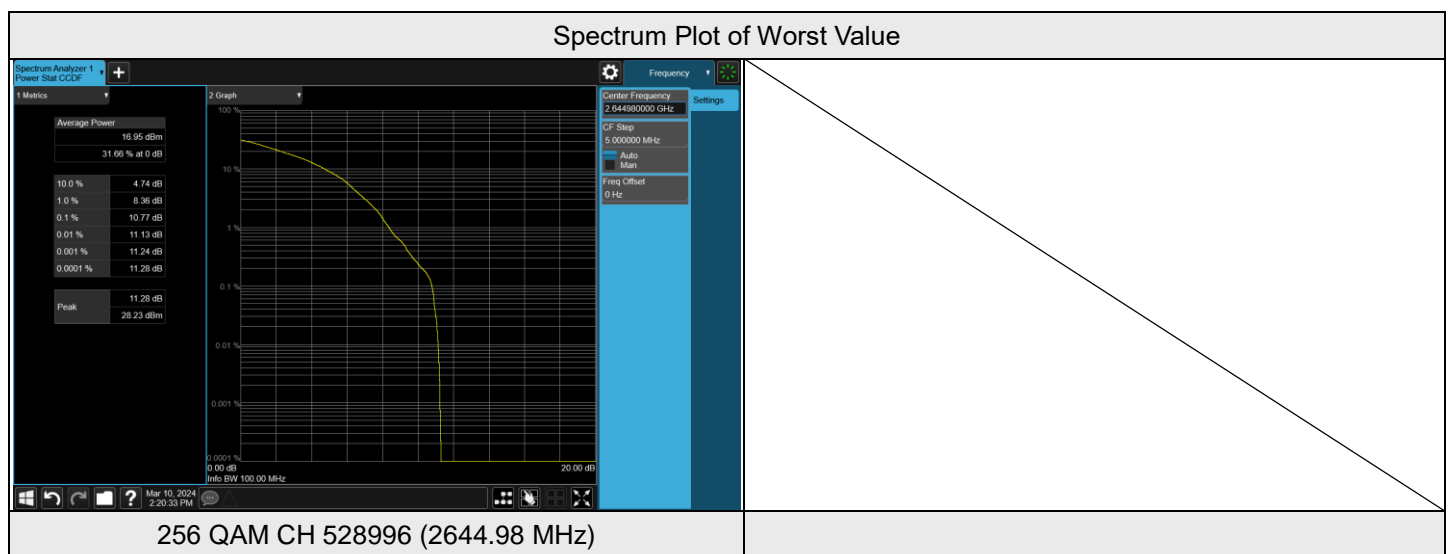
NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 507204	CH 518598	CH 529998
			2536.02 MHz	2592.99 MHz	2649.99 MHz
BPSK	1	0	4.98	5.58	5.36
QPSK	1	0	7.97	7.93	7.63
16 QAM	1	0	8.14	7.86	7.56
64 QAM	1	0	8.77	9.28	8.82
256 QAM	1	0	10.11	10.29	10.6



NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz

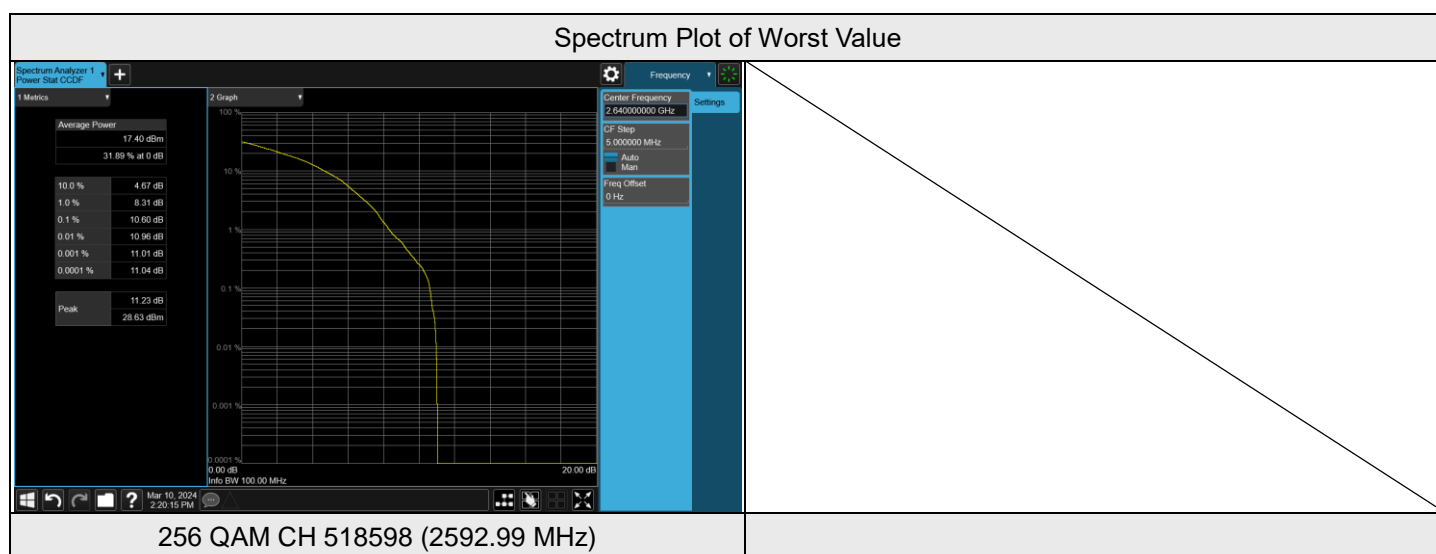
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 508200	CH 518598	CH 528996
			2541 MHz	2592.99 MHz	2644.98 MHz
BPSK	1	0	5.61	5.72	5.43
QPSK	1	0	7.18	7.71	7.88
16 QAM	1	0	8.16	7.79	7.83
64 QAM	1	0	9.26	9.27	8.8
256 QAM	1	0	10.32	10.67	10.77





NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz

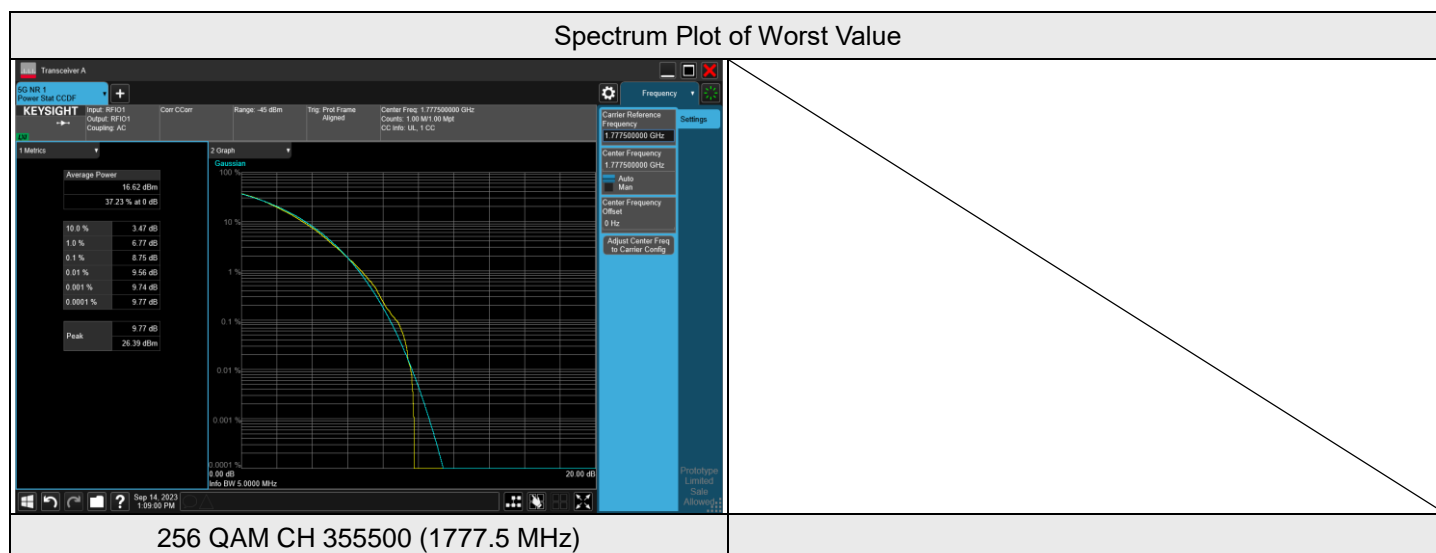
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 509202	CH 518598	CH 528000
			2546.01 MHz	2592.99 MHz	2640 MHz
BPSK	1	0	4.92	5.71	5.43
QPSK	1	0	7.95	8.20	7.51
16 QAM	1	0	8.39	8.01	7.67
64 QAM	1	0	9.09	9.24	8.63
256 QAM	1	0	10.16	10.27	10.60



7.3.5 NR n66 SCS 15 kHz

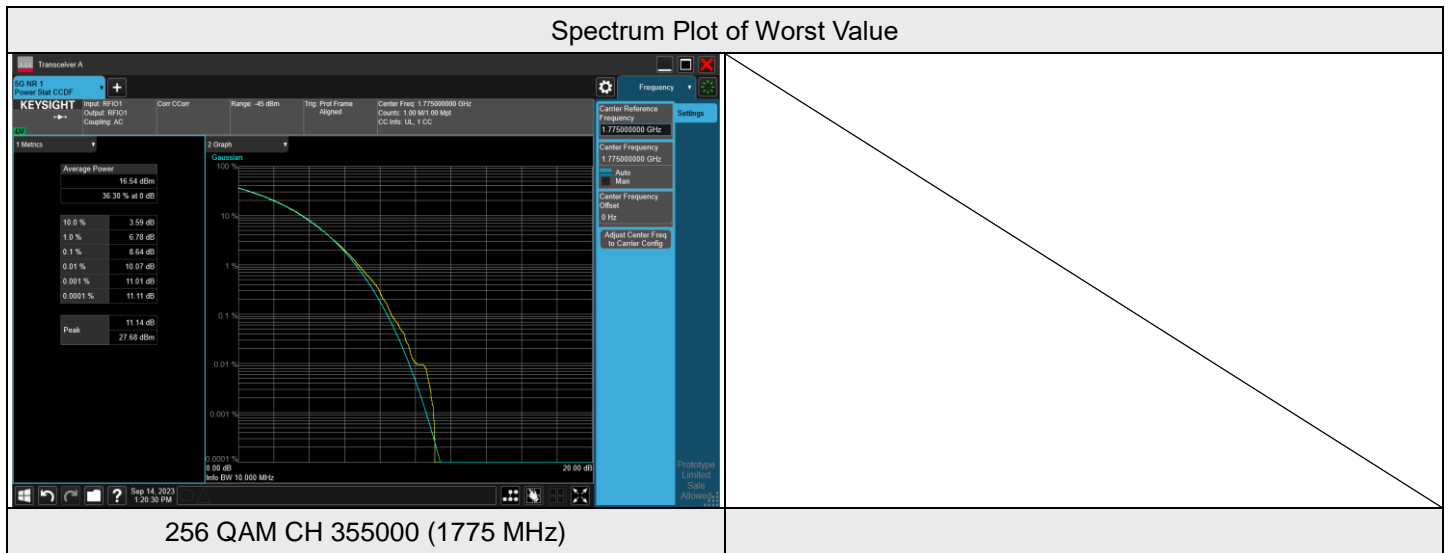
NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

EN-DC LTE 5 NR n66 SCS 15 kHz 5M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 342500	CH 349000	CH 355500
			1712.5 MHz	1745 MHz	1777.5 MHz
BPSK	12	6	4.46	4.55	4.72
QPSK	13	6	8.58	8.72	8.58
16 QAM	13	6	8.16	8.28	8.29
64 QAM	13	6	8.30	8.38	8.59
256 QAM	13	6	8.53	8.65	8.75



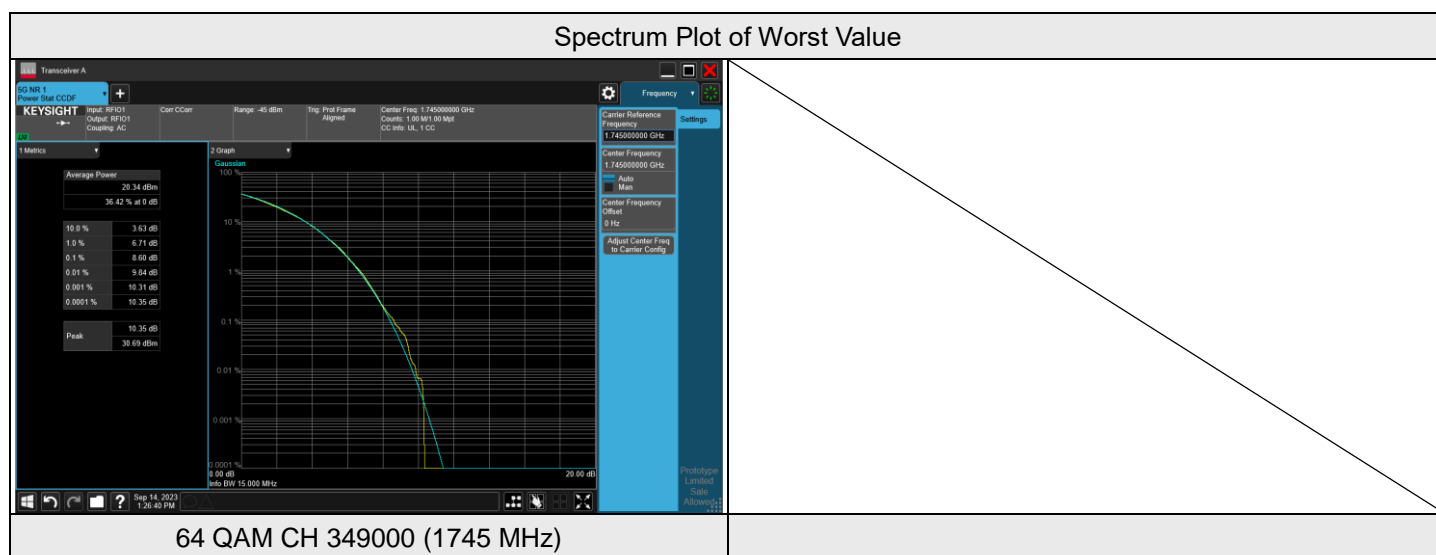
**NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz**

EN-DC LTE 5 NR n66 SCS 15 kHz 10M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 343000	CH 349000	CH 355000
			1715 MHz	1745 MHz	1775 MHz
BPSK	25	12	4.33	4.47	4.53
QPSK	26	13	8.48	8.59	8.56
16 QAM	26	13	8.39	8.57	8.51
64 QAM	26	13	8.30	8.45	8.54
256 QAM	26	13	8.55	8.61	8.64



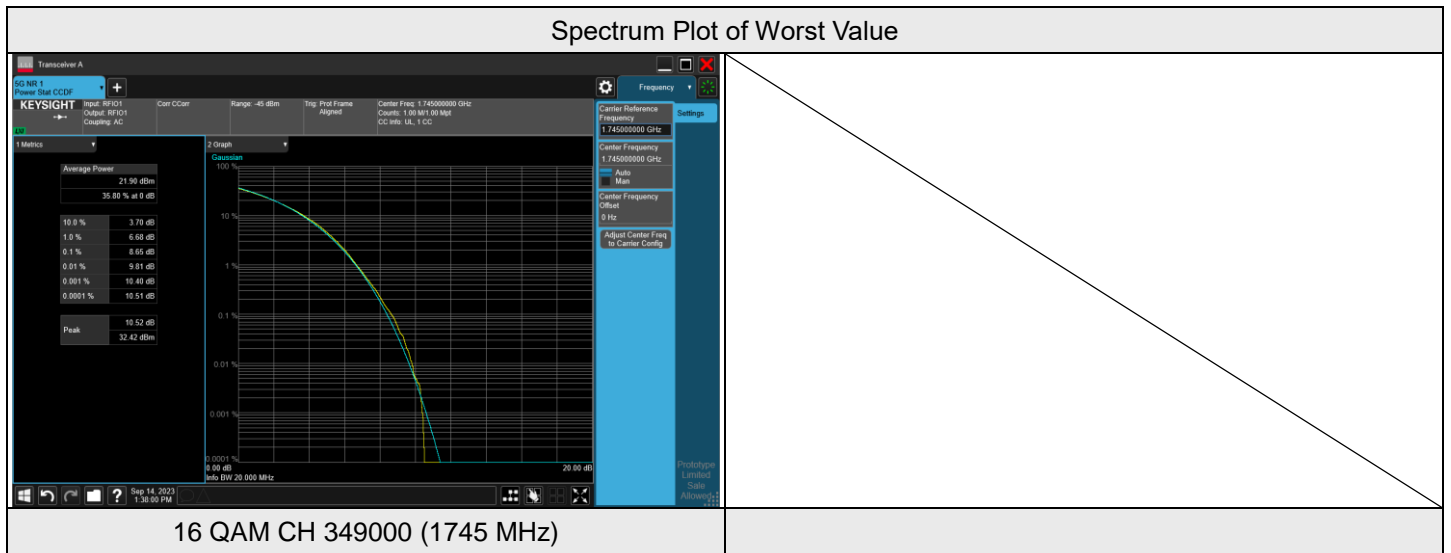
**NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz**

EN-DC LTE 5 NR n66 SCS 15 kHz 15M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 343500	CH 349000	CH 354500
			1717.5 MHz	1745 MHz	1772.5 MHz
BPSK	36	18	4.40	4.47	4.53
QPSK	39	19	8.26	8.38	8.35
16 QAM	39	19	8.37	8.57	8.47
64 QAM	39	19	8.43	8.60	8.58
256 QAM	39	19	8.47	8.56	8.45



NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

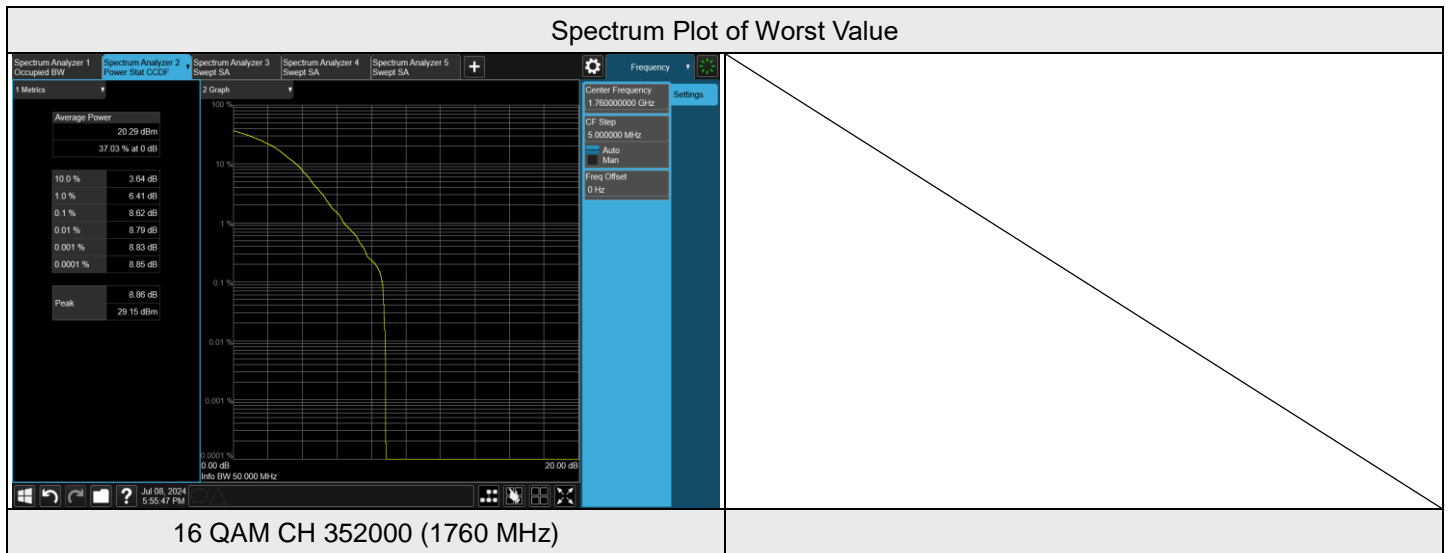
EN-DC LTE 5 NR n66 SCS 15 kHz 20M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 344000	CH 349000	CH 354000
			1720 MHz	1745 MHz	1770 MHz
BPSK	50	25	4.34	4.46	4.43
QPSK	53	26	8.18	8.27	8.25
16 QAM	53	26	8.47	8.65	8.54
64 QAM	53	26	8.32	8.36	8.32
256 QAM	53	26	8.21	8.35	8.16





NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

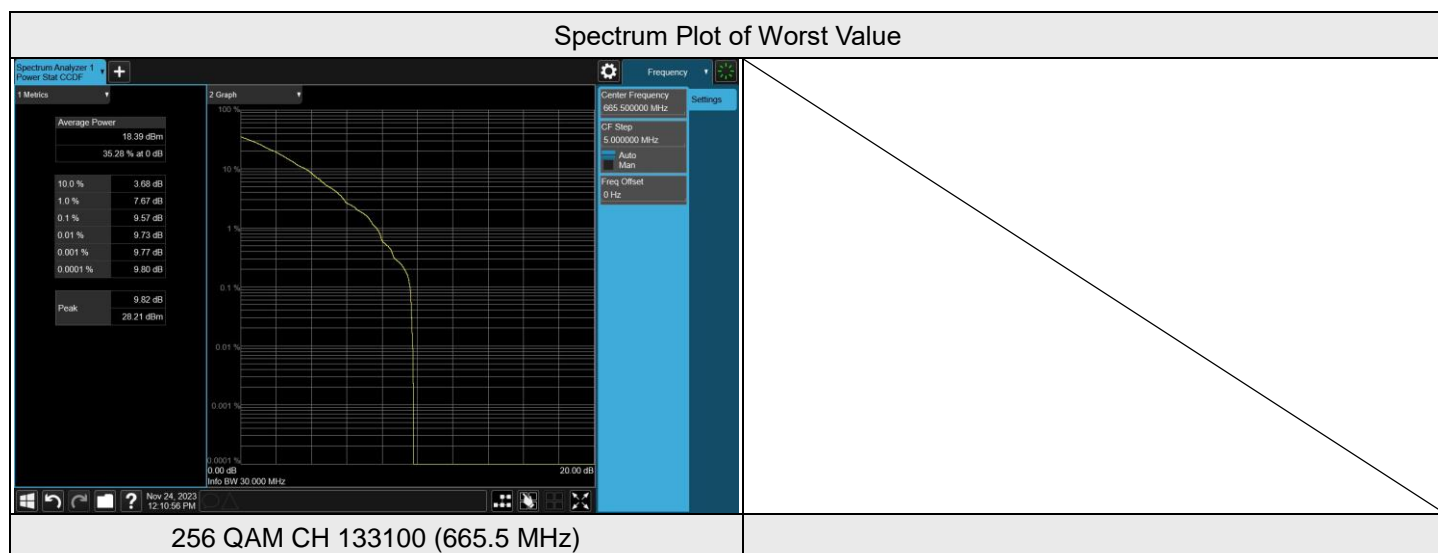
EN-DC LTE 5 NR n66 SCS 15 kHz 40M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 346000	CH 349000	CH 352000
			1730 MHz	1745 MHz	1760 MHz
BPSK	108	54	3.88	3.48	3.94
QPSK	108	54	7.51	7.38	7.66
16 QAM	108	54	8.54	8.58	8.62
64 QAM	108	54	6.75	6.82	6.91
256 QAM	108	54	7.38	7.45	7.63



7.3.6 NR n71 SCS 15 kHz

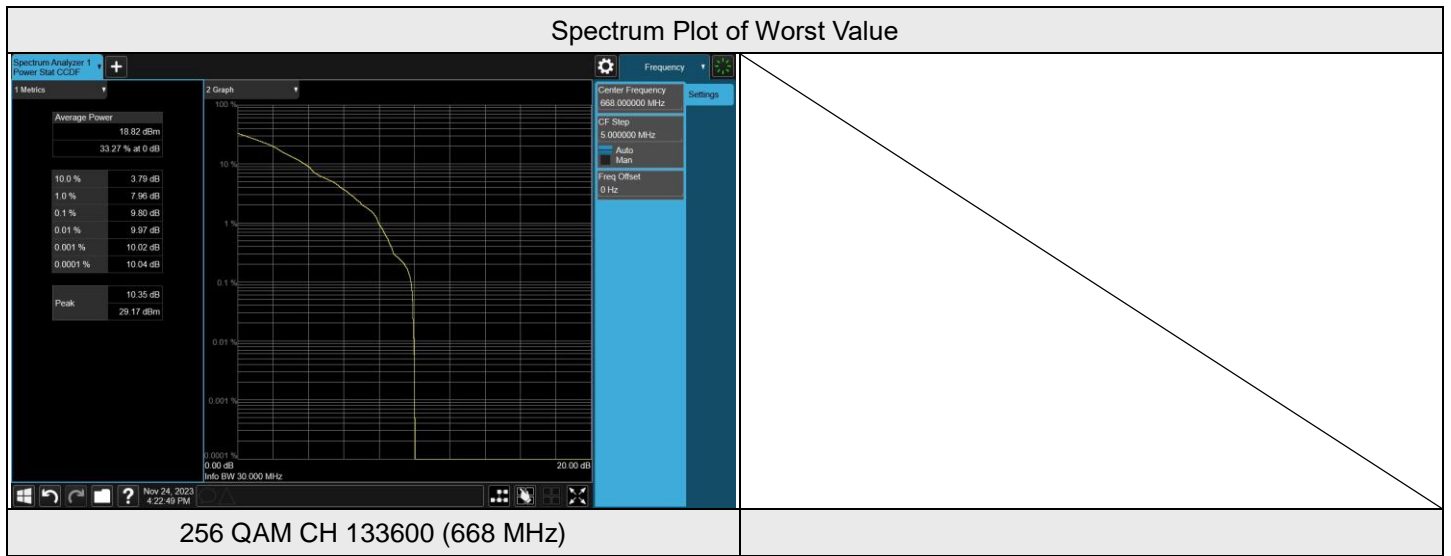
**NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz**

EN-DC LTE 5 NR n71 SCS 15 kHz 5M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 133100	CH 136100	CH 139100
			665.5 MHz	680.5 MHz	695.5 MHz
BPSK	12	6	4.14	4.21	3.9
QPSK	13	6	5.79	5.96	5.11
16 QAM	13	6	6.78	6.6	6.44
64 QAM	13	6	8.14	7.5	7.5
256 QAM	13	6	9.57	9.29	9.16



NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz

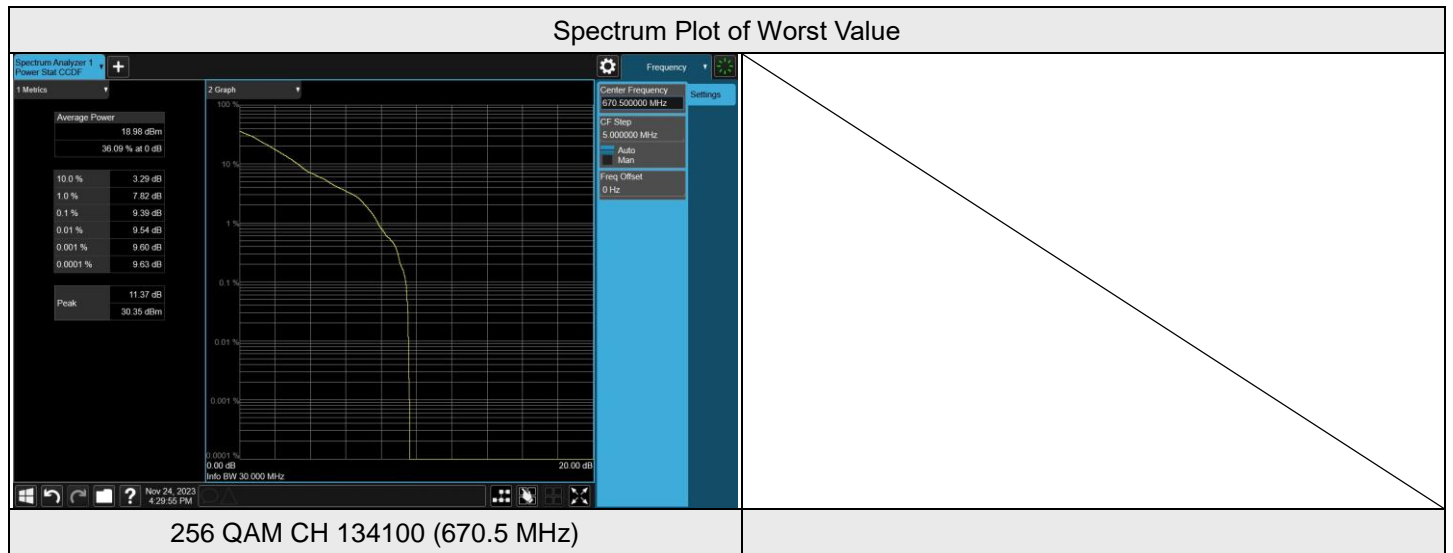
EN-DC LTE 5 NR n71 SCS 15 kHz 10M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 133600	CH 136100	CH 138600
			668 MHz	680.5 MHz	693 MHz
BPSK	25	12	4.18	3.75	3.48
QPSK	26	13	6.62	6	5.29
16 QAM	26	13	6.87	6.44	5.92
64 QAM	26	13	7.09	6.94	7
256 QAM	26	13	9.8	9.06	8.76





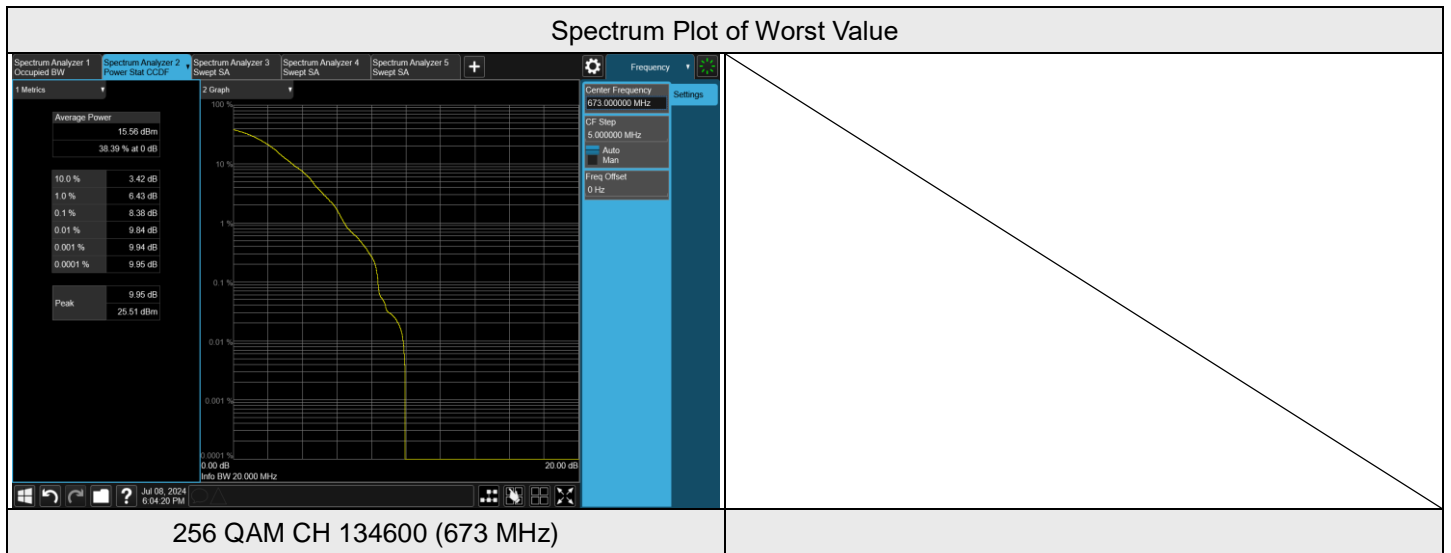
NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

EN-DC LTE 5 NR n71 SCS 15 kHz 15M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 134100	CH 136100	CH 138100
			670.5 MHz	680.5 MHz	690.5 MHz
BPSK	36	18	4.02	3.85	2.93
QPSK	39	19	6.3	5.9	5.38
16 QAM	39	19	6.57	6.39	5.76
64 QAM	39	19	7.37	7.79	6.59
256 QAM	39	19	9.39	9	8.69



NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

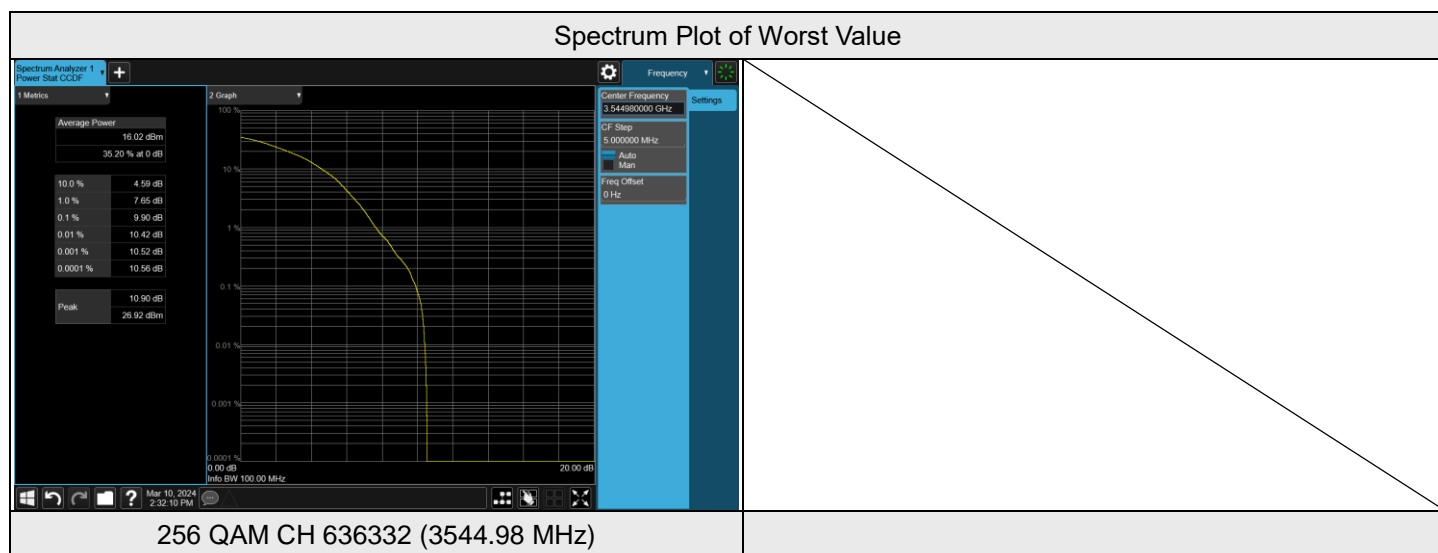
EN-DC LTE 5 NR n71 SCS 15 kHz 20M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 134600	CH 136100	CH 137600
			673 MHz	680.5 MHz	688 MHz
BPSK	50	25	4.36	3.75	3.74
QPSK	53	26	6.92	7.16	7.10
16 QAM	53	26	6.60	7.30	6.79
64 QAM	53	26	8.04	8.09	8.17
256 QAM	53	26	8.38	8.27	8.38



7.3.7 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) (PC2)

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

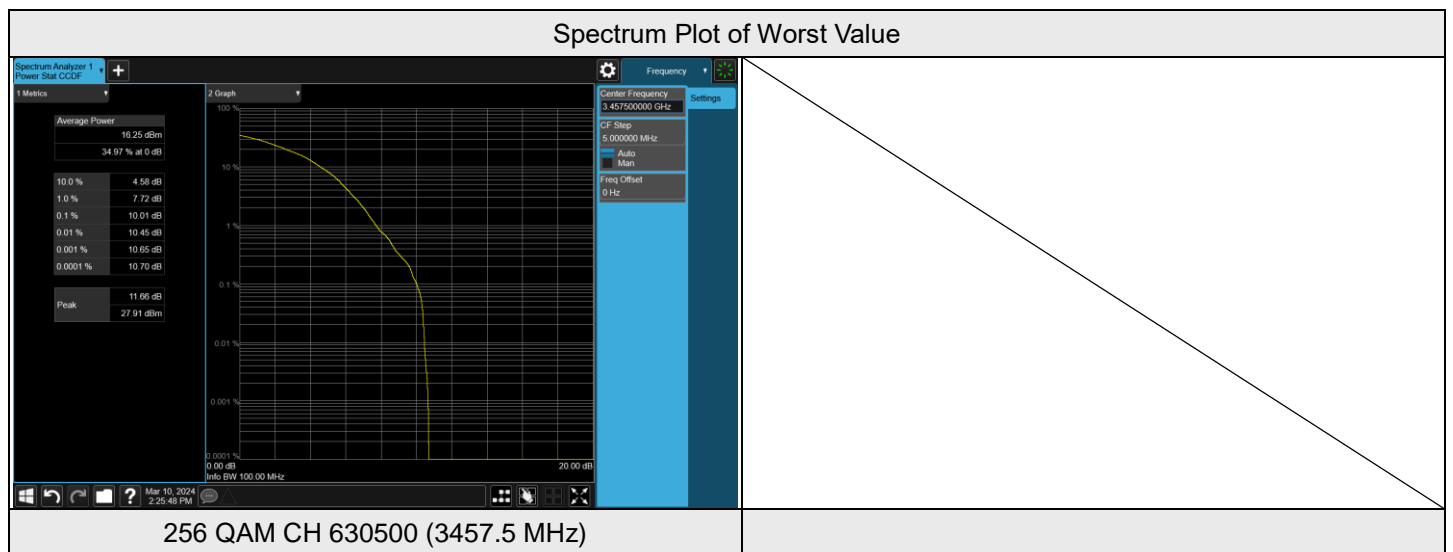
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
BPSK	1	0	4.98	5.89	5.19
QPSK	1	0	8.31	7.95	8.96
16 QAM	1	0	9.36	8.81	8.95
64 QAM	1	0	8.85	9.04	8.27
256 QAM	1	0	9.25	9.63	9.9





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

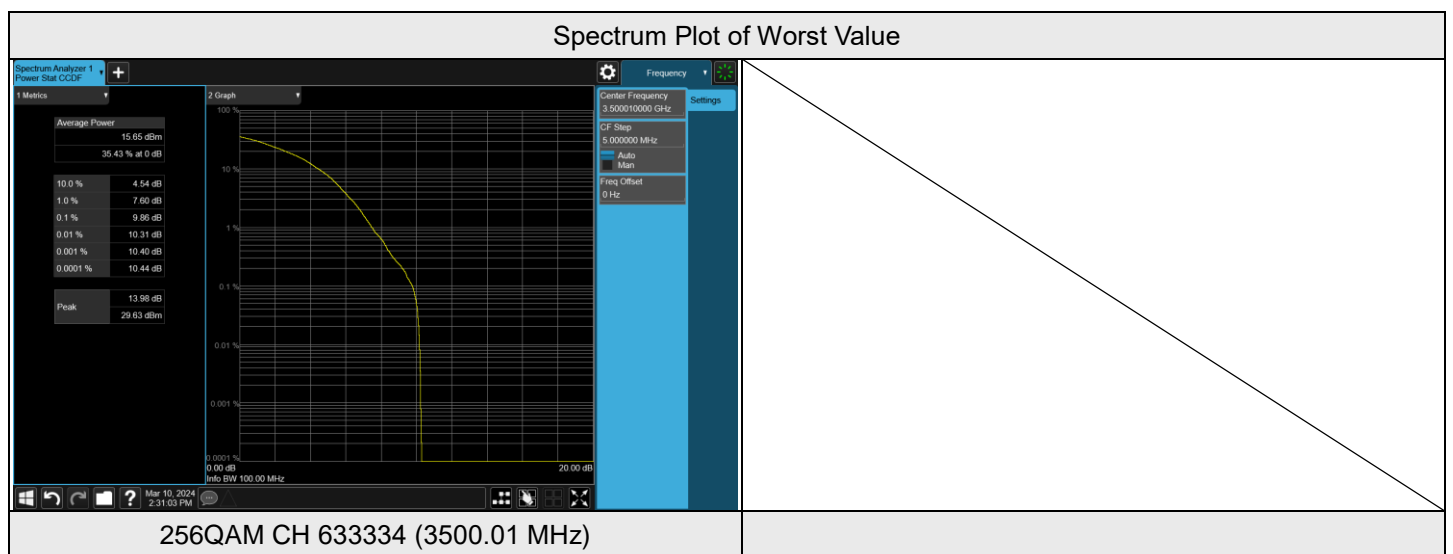
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
BPSK	1	0	5.61	5.73	5.71
QPSK	1	0	8.98	8.19	9.41
16 QAM	1	0	9.31	8.81	8.85
64 QAM	1	0	9.19	9.26	8.67
256 QAM	1	0	10.01	9.52	9.65





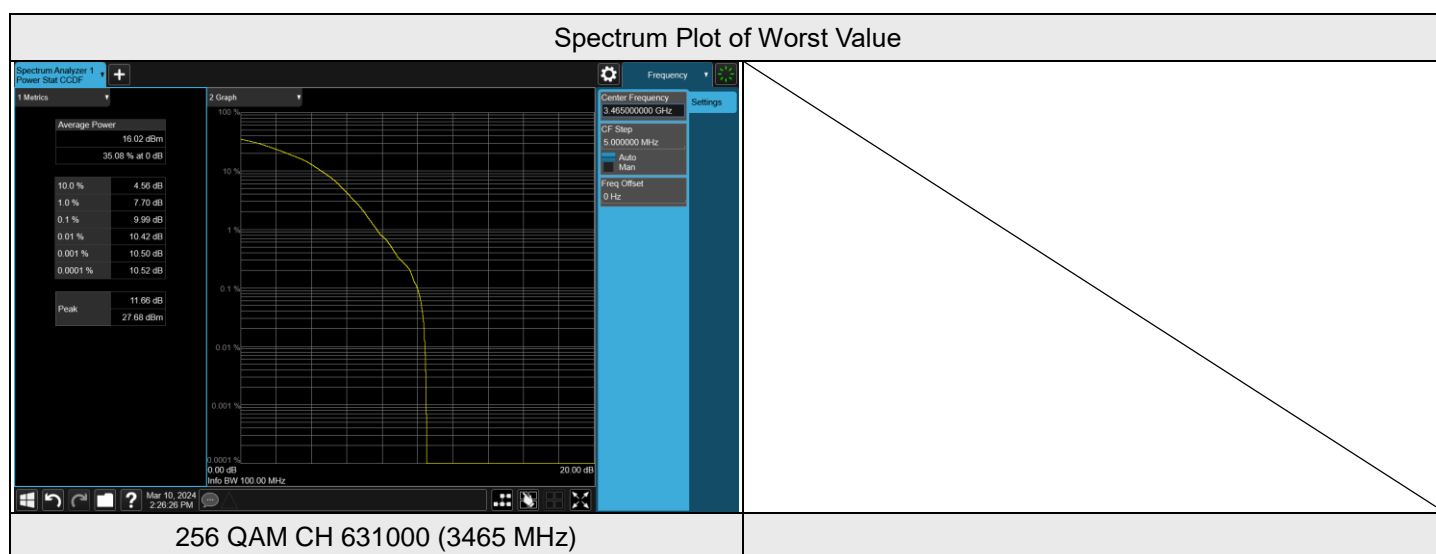
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
BPSK	1	0	4.82	5.69	4.97
QPSK	1	0	8.4	7.9	8.81
16 QAM	1	0	9.33	8.95	9.09
64 QAM	1	0	9.47	9.32	8.53
256 QAM	1	0	9.85	9.86	9.63



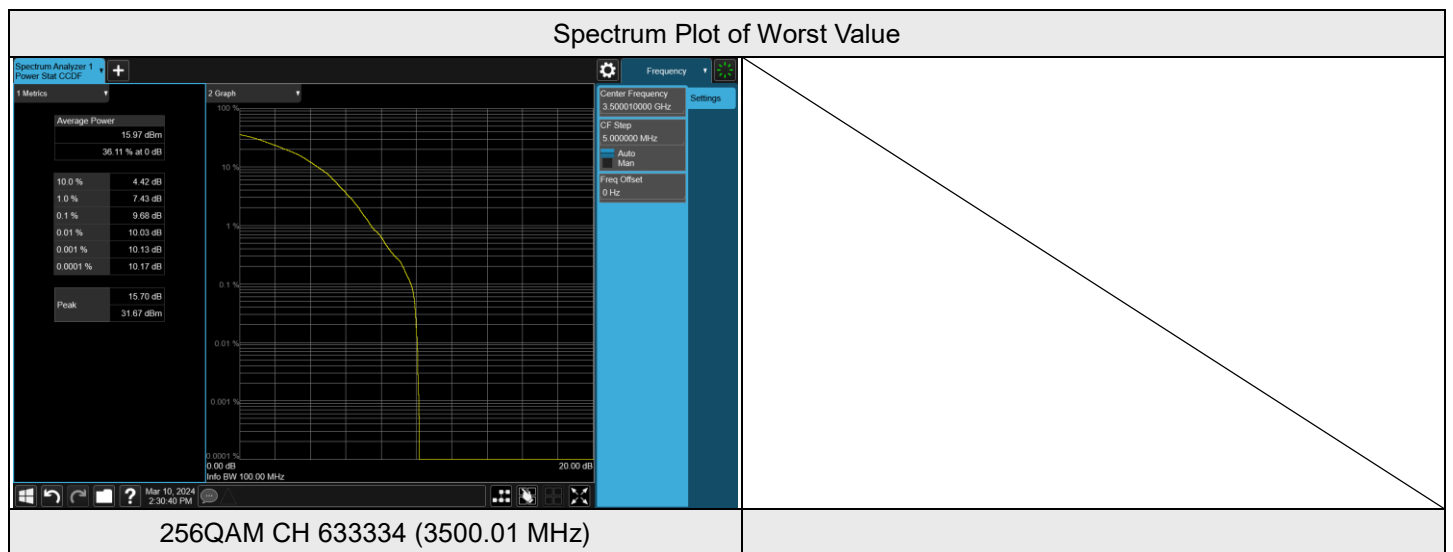
**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 30 MHz**

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
BPSK	50	25	5.71	4.55	5.87
QPSK	53	26	8.62	8.29	8.32
16 QAM	53	26	8.95	8.61	8.44
64 QAM	53	26	9.15	9.14	8.74
256 QAM	53	26	9.99	9.7	9.57



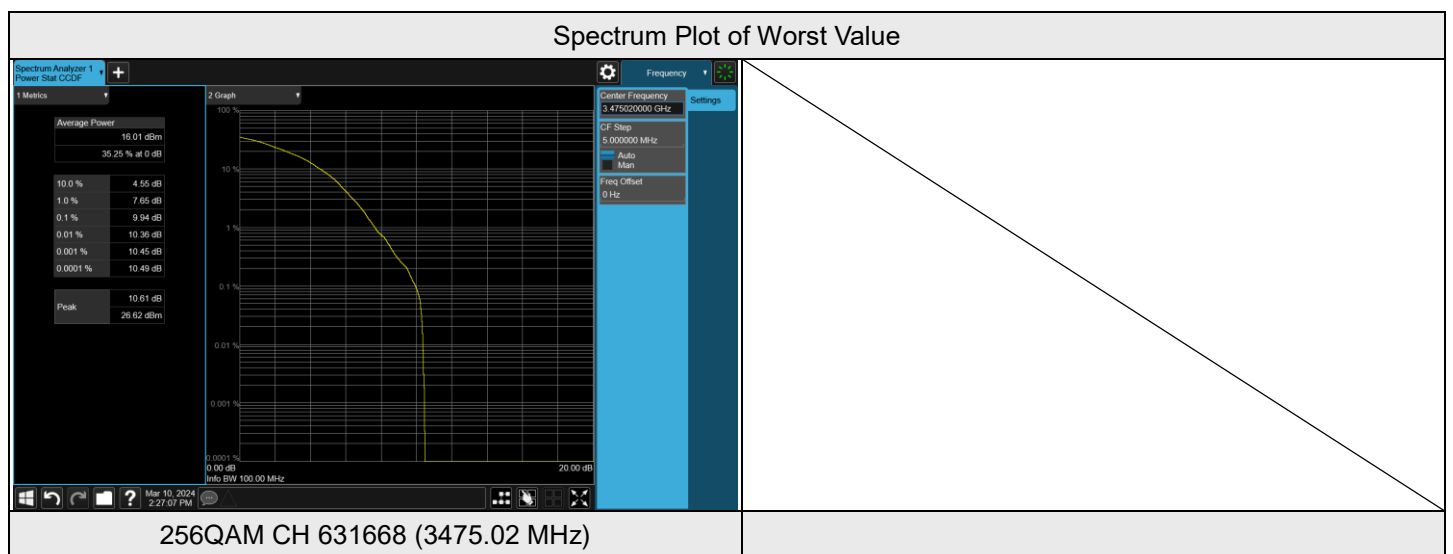
**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 40 MHz**

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
BPSK	1	0	5.42	4.81	5.14
QPSK	1	0	8.62	8.76	8.77
16 QAM	1	0	8.63	8.8	8.95
64 QAM	1	0	9.22	9.15	8.81
256 QAM	1	0	9.66	9.68	8.86



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

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
BPSK	1	0	5.51	5.03	4.98
QPSK	1	0	8.05	8.68	7.96
16 QAM	1	0	9.04	8.61	9.14
64 QAM	1	0	8.56	8.95	7.97
256 QAM	1	0	9.94	9.13	9.67







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

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
BPSK	1	0	5.44	5.34	5.06
QPSK	1	0	8.96	8.09	8.85
16 QAM	1	0	8.89	8.75	8.73
64 QAM	1	0	9.63	9.01	8.28
256 QAM	1	0	9.06	10.01	9.72

