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.:	RFBFJZ-WTW-P22110126-9
FCC ID:	V65E7200
Product:	Smartphone
Brand:	Kyocera
Model No.:	E7200
Received Date:	2022/12/7
Test Date:	2022/12/26 ~ 2023/3/23
Issued Date:	2023/4/11
Applicant:	Kyocera Corporation ℅ Kyocera International, Inc.
Address:	8611 Balboa Avenue, San Diego, CA 92123
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location (1):	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN
FCC Registration / Designation Number:	788550 / TW0003
Test Location (2):	No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
FCC Registration / Designation Number:	281270 / TW0032

Approved by: Jeremy Lin , **Date:** 2023/4/11

Jeremy Lin / Project Engineer

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Prepared by : Celine Chou / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBFJZ-WTW-P22110126-9	Original release.	2023/4/11

1 Certificate

Product:	Smartphone
Brand:	Kyocera
Test Model:	E7200
Sample Status:	Identical prototype
Applicant:	Kyocera Corporation ℅ Kyocera International, Inc.
Test Date:	2022/12/26 ~ 2023/3/23
Standard:	47 CFR FCC Part 22 47 CFR FCC Part 24 47 CFR FCC Part 27 47 CFR FCC Part 2
Measurement procedure:	ANSI/TIA/EIA-603-E 2016 ANSI C63.26-2015 KDB 971168 D01 Power Meas License Digital Systems v03r01 KDB 971168 D02 Misc Rev Approv License Devices v02r01

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

2 Summary of Test Results

47 CFR FCC Part 22 47 CFR FCC Part 24 47 CFR FCC Part 27 47 CFR FCC Part 2			
Standard / Clause	Test Item	Result	Remark
FCC 47 CFR Part 2.1046 FCC 47 CFR Part 22.913 (a) FCC 47 CFR Part 24.232 (c) FCC 47 CFR Part 27.50(a) FCC 47 CFR Part 27.50(h) FCC 47 CFR Part 27.50(d) FCC 47 CFR Part 27.50(c) FCC 47 CFR Part 27.50(j) FCC 47 CFR Part 27.50(k)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
FCC 47 CFR Part 22.913 (d) FCC 47 CFR Part 24.232 (d) FCC 47 CFR Part 27.50(d)	Peak to Average Ratio	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1049	Bandwidth	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1051 FCC 47 CFR Part 22.917 FCC 47 CFR Part 24.238 FCC 47 CFR Part 27.53(a) FCC 47 CFR Part 27.53(m) FCC 47 CFR Part 27.53(h) FCC 47 CFR Part 27.53(g) FCC 47 CFR Part 27.53(l) FCC 47 CFR Part 27.53(n)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.

47 CFR FCC Part 22 47 CFR FCC Part 24 47 CFR FCC Part 27 47 CFR FCC Part 2			
Standard / Clause	Test Item	Result	Remark
FCC 47 CFR Part 2.1053 FCC 47 CFR Part 22.917 FCC 47 CFR Part 24.238 FCC 47 CFR Part 27.53(a) FCC 47 CFR Part 27.53(m) FCC 47 CFR Part 27.53(h) FCC 47 CFR Part 27.53(g) FCC 47 CFR Part 27.53(l) FCC 47 CFR Part 27.53(n)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -6.06 dB at 34.85 MHz
FCC 47 CFR Part 2.1053 FCC 47 CFR Part 22.917 FCC 47 CFR Part 24.238 FCC 47 CFR Part 27.53(a) FCC 47 CFR Part 27.53(m) FCC 47 CFR Part 27.53(h) FCC 47 CFR Part 27.53(g) FCC 47 CFR Part 27.53(l) FCC 47 CFR Part 27.53(n)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -5.83 dB at 4620.00 MHz
FCC 47 CFR Part 2.1055 FCC 47 CFR Part 22.355 FCC 47 CFR Part 24.235 FCC 47 CFR Part 27.54	Frequency Stability	Pass	Meet the requirement of limit.

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3.00 dB
	30 MHz ~ 1 GHz	2.93 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Smartphone
Brand	Kyocera
Test Model	E7200
Status of EUT	Identical prototype
Power Supply Rating	20Vdc or 15Vdc or 9Vdc or 5Vdc (From adapter) 3.87Vdc (From battery)

Note:

1. The EUT supports the following ENDC configuration.

	FCC 5G FR1			ENDC
	Band	SCS	Bandwidth (MHz)	
5GNR	n2	15kHz	5/10/15/20	Band 5/12/13/14/30/66
	n5	15kHz	5/10/15/20	Band 2/66/48
	n25	15kHz	5/10/15/20	Band 12/48/66
	n30	15kHz	10	Band 2/66
	n41	30kHz	20/30/40/50/60/70/80/90/100	Band 2/66
	n48	30kHz	20/40	Band 2
	n66	15kHz	5/10/15/20/30	Band 2/5/13/14/30/48
	n71	15kHz	5/10/15/20	Band 2/66
	n77	30kHz	20/30/40/60/80/100	Band 2/5/12/13/14/66

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

2. EUT Overview.

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n2 (Channel Bandwidth 5MHz)	1852.50-1907.50	217.771mW (23.38dBm)	225.944mW (23.54dBm)	163.305mW (22.13dBm)	113.763mW (20.56dBm)	74.473mW (18.72dBm)
n2 (Channel Bandwidth 10MHz)	1855.00-1905.00	219.786mW (23.42dBm)	224.388mW (23.51dBm)	164.816mW (22.17dBm)	115.345mW (20.62dBm)	74.473mW (18.72dBm)
n2 (Channel Bandwidth 15MHz)	1857.50-1902.50	217.270mW (23.37dBm)	224.388mW (23.51dBm)	162.555mW (22.11dBm)	113.763mW (20.56dBm)	73.961mW (18.69dBm)
n2 (Channel Bandwidth 20MHz)	1860.00-1900.00	221.309mW (23.45dBm)	226.464mW (23.55dBm)	165.196mW (22.18dBm)	116.413mW (20.66dBm)	74.473mW (18.72dBm)
n25 (Channel Bandwidth 5MHz)	1852.50-1912.50	229.615mW (23.61dBm)	232.809mW (23.67dBm)	178.238mW (22.51dBm)	128.825mW (21.10dBm)	81.096mW (19.09dBm)
n25 (Channel Bandwidth 10MHz)	1855.00-1910.00	232.274mW (23.66dBm)	234.423mW (23.70dBm)	177.419mW (22.49dBm)	127.938mW (21.07dBm)	81.846mW (19.13dBm)
n25 (Channel Bandwidth 15MHz)	1857.50-1907.50	226.986mW (23.56dBm)	236.048mW (23.73dBm)	177.419mW (22.49dBm)	128.825mW (21.10dBm)	80.724mW (19.07dBm)
n25 (Channel Bandwidth 20MHz)	1860.00-1905.00	232.274mW (23.66dBm)	237.137mW (23.75dBm)	180.302mW (22.56dBm)	130.017mW (21.14dBm)	82.414mW (19.16dBm)
n30 (Channel Bandwidth 10 MHz)	2310.00	145.881mW (21.64dBm)	149.279mW (21.74dBm)	108.143mW (20.34dBm)	78.886mW (18.97dBm)	43.954mW (16.43dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n41 (Channel Bandwidth 20MHz)	2506.02-2679.99	139.637mW (21.45dBm)	141.254mW (21.50dBm)	110.662mW (20.44dBm)	78.163mW (18.93dBm)	49.204mW (16.92dBm)
n41 (Channel Bandwidth 30MHz)	2511.00-2674.98	138.038mW (21.40dBm)	138.676mW (21.42dBm)	110.917mW (20.45dBm)	77.983mW (18.92dBm)	48.978mW (16.90dBm)
n41 (Channel Bandwidth 40MHz)	2516.01-2670.00	138.676mW (21.42dBm)	138.995mW (21.43dBm)	110.917mW (20.45dBm)	77.625mW (18.90dBm)	48.306mW (16.84dBm)
n41 (Channel Bandwidth 50MHz)	2521.02-2664.99	137.721mW (21.39dBm)	140.929mW (21.49dBm)	110.408mW (20.43dBm)	78.343mW (18.94dBm)	48.978mW (16.90dBm)
n41 (Channel Bandwidth 60MHz)	2526.00-2659.98	138.357mW (21.41dBm)	140.605mW (21.48dBm)	111.173mW (20.46dBm)	78.343mW (18.94dBm)	48.195mW (16.83dBm)
n41 (Channel Bandwidth 70MHz)	2536.02-2649.99	138.676mW (21.42dBm)	138.995mW (21.43dBm)	111.686mW (20.48dBm)	76.736mW (18.85dBm)	48.529mW (16.86dBm)
n41 (Channel Bandwidth 80MHz)	2531.01-2655.00	138.038mW (21.40dBm)	138.357mW (21.41dBm)	110.662mW (20.44dBm)	77.625mW (18.90dBm)	48.753mW (16.88dBm)
n41 (Channel Bandwidth 90MHz)	2541.00-2644.98	137.721mW (21.39dBm)	141.254mW (21.50dBm)	110.917mW (20.45dBm)	78.524mW (18.95dBm)	48.641mW (16.87dBm)
n41 (Channel Bandwidth 100MHz)	2546.01-2640.00	139.959mW (21.46dBm)	141.579mW (21.51dBm)	111.686mW (20.48dBm)	80.353mW (19.05dBm)	50.234mW (17.01dBm)
n66 (Channel Bandwidth 5MHz)	1712.50-1777.50	219.786mW (23.42dBm)	228.560mW (23.59dBm)	164.816mW (22.17dBm)	113.763mW (20.56dBm)	71.285mW (18.53dBm)
n66 (Channel Bandwidth 10MHz)	1715.00-1775.00	222.331mW (23.47dBm)	224.388mW (23.51dBm)	162.555mW (22.11dBm)	113.763mW (20.56dBm)	71.945mW (18.57dBm)
n66 (Channel Bandwidth 15MHz)	1717.50-1772.50	218.273mW (23.39dBm)	227.510mW (23.57dBm)	164.816mW (22.17dBm)	113.501mW (20.55dBm)	70.469mW (18.48dBm)
n66 (Channel Bandwidth 20MHz)	1720.00-1770.00	218.776mW (23.40dBm)	228.560mW (23.59dBm)	162.555mW (22.11dBm)	113.763mW (20.56dBm)	71.285mW (18.53dBm)
n66 (Channel Bandwidth 30MHz) (only for ENDC Mode)	1725.00-1765.00	223.357mW (23.49dBm)	229.087mW (23.60dBm)	164.816mW (22.17dBm)	115.345mW (20.62dBm)	72.111mW (18.58dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
For Part 27Q (Power class II)						
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	244.906mW (23.89dBm)	250.035mW (23.98dBm)	197.697mW (22.96dBm)	138.676mW (21.42dBm)	89.125mW (19.50dBm)
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	244.906mW (23.89dBm)	251.189mW (24.00dBm)	194.536mW (22.89dBm)	138.995mW (21.43dBm)	89.743mW (19.53dBm)
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	246.037mW (23.91dBm)	248.886mW (23.96dBm)	194.984mW (22.90dBm)	139.637mW (21.45dBm)	89.331mW (19.51dBm)
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	243.781mW (23.87dBm)	249.459mW (23.97dBm)	194.536mW (22.89dBm)	138.676mW (21.42dBm)	89.125mW (19.50dBm)
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	247.742mW (23.94dBm)	251.189mW (24.00dBm)	198.153mW (22.97dBm)	139.637mW (21.45dBm)	89.743mW (19.53dBm)
n77 (Channel Bandwidth 100MHz)	3500.01	250.035mW (23.98dBm)	252.348mW (24.02dBm)	200.447mW (23.02dBm)	141.254mW (21.50dBm)	90.157mW (19.55dBm)
For Part 27Q (Power class III)						
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	169.044mW (22.28dBm)	176.198mW (22.46dBm)	137.721mW (21.39dBm)	96.828mW (19.86dBm)	59.566mW (17.75dBm)
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	171.002mW (22.33dBm)	173.380mW (22.39dBm)	138.357mW (21.41dBm)	97.949mW (19.91dBm)	58.479mW (17.67dBm)
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	169.044mW (22.28dBm)	174.985mW (22.43dBm)	139.959mW (21.46dBm)	97.051mW (19.87dBm)	59.704mW (17.76dBm)
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	169.434mW (22.29dBm)	173.380mW (22.39dBm)	137.404mW (21.38dBm)	96.605mW (19.85dBm)	58.884mW (17.70dBm)
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	171.396mW (22.34dBm)	177.011mW (22.48dBm)	139.637mW (21.45dBm)	97.051mW (19.87dBm)	60.534mW (17.82dBm)
n77 (Channel Bandwidth 100MHz)	3500.01	171.791mW (22.35dBm)	179.061mW (22.53dBm)	133.352mW (21.25dBm)	100.231mW (20.01dBm)	63.826mW (18.05dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
For Part 27O (Power class II)						
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	252.348mW (24.02dBm)	254.097mW (24.05dBm)	198.609mW (22.98dBm)	138.676mW (21.42dBm)	89.950mW (19.54dBm)
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	251.768mW (24.01dBm)	255.270mW (24.07dBm)	199.526mW (23.00dBm)	139.959mW (21.46dBm)	88.920mW (19.49dBm)
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	247.742mW (23.94dBm)	256.448mW (24.09dBm)	197.242mW (22.95dBm)	138.995mW (21.43dBm)	89.950mW (19.54dBm)
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	249.459mW (23.97dBm)	253.513mW (24.04dBm)	197.697mW (22.96dBm)	140.605mW (21.48dBm)	88.512mW (19.47dBm)
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	247.742mW (23.94dBm)	257.632mW (24.11dBm)	199.986mW (23.01dBm)	138.995mW (21.43dBm)	89.950mW (19.54dBm)
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	252.348mW (24.02dBm)	258.226mW (24.12dBm)	200.447mW (23.02dBm)	141.579mW (21.51dBm)	90.157mW (19.55dBm)
For Part 27O (Power class III)						
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	167.494mW (22.24dBm)	172.584mW (22.37dBm)	137.088mW (21.37dBm)	95.719mW (19.81dBm)	59.841mW (17.77dBm)
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	168.655mW (22.27dBm)	172.982mW (22.38dBm)	136.773mW (21.36dBm)	94.624mW (19.76dBm)	58.884mW (17.70dBm)
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	167.494mW (22.24dBm)	172.187mW (22.36dBm)	138.995mW (21.43dBm)	94.406mW (19.75dBm)	58.884mW (17.70dBm)
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	167.109mW (22.23dBm)	173.380mW (22.39dBm)	136.144mW (21.34dBm)	95.060mW (19.78dBm)	58.884mW (17.70dBm)
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	169.044mW (22.28dBm)	174.582mW (22.42dBm)	138.357mW (21.41dBm)	96.383mW (19.84dBm)	59.020mW (17.71dBm)
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	170.608mW (22.32dBm)	175.388mW (22.44dBm)	131.220mW (21.18dBm)	100.231mW (20.01dBm)	62.661mW (17.97dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. ERP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n5 (Channel Bandwidth 5MHz)	826.50-846.50	76.208mW (18.82dBm)	78.343mW (18.94dBm)	61.518mW (17.89dBm)	43.853mW (16.42dBm)	27.733mW (14.43dBm)
n5 (Channel Bandwidth 10MHz)	829.00-844.00	76.736mW (18.85dBm)	79.068mW (18.98dBm)	61.660mW (17.90dBm)	43.853mW (16.42dBm)	27.102mW (14.33dBm)
n5 (Channel Bandwidth 15MHz)	831.50-841.50	76.384mW (18.83dBm)	77.983mW (18.92dBm)	61.235mW (17.87dBm)	43.954mW (16.43dBm)	27.102mW (14.33dBm)
n5 (Channel Bandwidth 20MHz)	834.00-839.00	77.804mW (18.91dBm)	79.250mW (18.99dBm)	61.802mW (17.91dBm)	44.259mW (16.46dBm)	27.733mW (14.43dBm)
n71 (Channel Bandwidth 5MHz)	665.50-695.50	29.174mW (14.65dBm)	29.376mW (14.68dBm)	27.227mW (14.35dBm)	14.454mW (11.60dBm)	8.710mW (9.40dBm)
n71 (Channel Bandwidth 10MHz)	668.00-693.00	29.242mW (14.66dBm)	29.854mW (14.75dBm)	27.353mW (14.37dBm)	14.488mW (11.61dBm)	8.810mW (9.45dBm)
n71 (Channel Bandwidth 15MHz)	670.50-690.50	28.708mW (14.58dBm)	29.785mW (14.74dBm)	27.290mW (14.36dBm)	14.355mW (11.57dBm)	8.750mW (9.42dBm)
n71 (Channel Bandwidth 20MHz)	673.00-688.00	29.040mW (14.63dBm)	30.549mW (14.85dBm)	21.979mW (13.42dBm)	14.689mW (11.67dBm)	8.750mW (9.42dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator				
		BPSK	QPSK	16QAM	64QAM	256QAM
n2 (Channel Bandwidth 5MHz)	1852.50-1907.50	4M47G7D	4M47G7D	4M47D7W	4M47D7W	4M47D7W
n2 (Channel Bandwidth 10MHz)	1855.00-1905.00	9M21G7D	9M29G7D	9M29D7W	9M29D7W	9M29D7W
n2 (Channel Bandwidth 15MHz)	1857.50-1902.50	14M1G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
n2 (Channel Bandwidth 20MHz)	1860.00-1900.00	18M8G7D	19M0G7D	19M0G7D	19M0G7D	19M0G7D
n5 (Channel Bandwidth 5MHz)	826.50-846.50	4M47G7D	4M47G7D	4M47D7W	4M47D7W	4M47D7W
n5 (Channel Bandwidth 10MHz)	829.00-844.00	9M20G7D	9M29G7D	9M28D7W	9M29D7W	9M29D7W
n5 (Channel Bandwidth 15MHz)	831.50-841.50	14M0G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
n5 (Channel Bandwidth 20MHz)	834.00-839.00	18M8G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W
n25 (Channel Bandwidth 5MHz)	1852.50-1912.50	4M47G7D	4M47G7D	4M47D7W	4M48D7W	4M48D7W
n25 (Channel Bandwidth 10MHz)	1855.00-1910.00	9M21G7D	9M29G7D	9M29D7W	9M29D7W	9M29D7W
n25 (Channel Bandwidth 15MHz)	1857.50-1907.50	14M0G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
n25 (Channel Bandwidth 20MHz)	1860.00-1905.00	19M0G7D	19M0G7D	19M0G7D	19M0G7D	19M0G7D
n30 (Channel Bandwidth 10 MHz)	2310.00	9M21G7D	9M29G7D	9M29D7W	9M29D7W	9M30D7W
n41 (Channel Bandwidth 20MHz)	2506.02-2679.99	18M2G7D	18M3G7D	18M3D7W	18M3D7W	18M3D7W
n41 (Channel Bandwidth 30MHz)	2511.00-2674.98	27M8G7D	27M9G7D	27M9D7W	27M9D7W	27M9D7W
n41 (Channel Bandwidth 40MHz)	2516.01-2670.00	37M7G7D	37M9G7D	37M9D7W	37M9D7W	37M8D7W
n41 (Channel Bandwidth 50MHz)	2521.02-2664.99	47M3G7D	47M6G7D	47M5D7W	47M6D7W	49M1D7W
n41 (Channel Bandwidth 60MHz)	2526.00-2659.98	57M9G7D	57M9G7D	57M9D7W	57M9D7W	57M9D7W
n41 (Channel Bandwidth 70MHz)	2536.02-2649.99	67M1G7D	67M5G7D	67M5D7W	67M5D7W	67M5D7W
n41 (Channel Bandwidth 80MHz)	2531.01-2655.00	77M2G7D	77M5G7D	77M5D7W	77M5D7W	77M5D7W
n41 (Channel Bandwidth 90MHz)	2541.00-2644.98	86M9G7D	87M5G7D	87M5D7W	87M5D7W	87M5D7W
n41 (Channel Bandwidth 100MHz)	2546.01-2640.00	96M6G7D	97M6G7D	97M6D7W	97M4D7W	97M6D7W
n66 (Channel Bandwidth 5MHz)	1712.50-1777.50	4M47G7D	4M47G7D	4M47D7W	4M47D7W	4M47D7W
n66 (Channel Bandwidth 10MHz)	1715.00-1775.00	9M21G7D	9M28G7D	9M29D7W	9M28D7W	9M29D7W
n66 (Channel Bandwidth 15MHz)	1717.50-1772.50	14M1G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
n66 (Channel Bandwidth 20MHz)	1720.00-1770.00	18M8G7D	18M9G7D	18M9D7W	18M9D7W	19M0G7D
n66 (Channel Bandwidth 30MHz) (only for ENDC Mode)	1725.00-1765.00	28M6G7D	28M6G7D	28M6D7W	28M6D7W	28M6D7W
n71 (Channel Bandwidth 5MHz)	665.50-695.50	4M48G7D	4M47G7D	4M47D7W	4M47D7W	4M47D7W
n71 (Channel Bandwidth 10MHz)	668.00-693.00	9M20G7D	9M29G7D	9M28D7W	9M28D7W	9M29D7W
n71 (Channel Bandwidth 15MHz)	670.50-690.50	14M0G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
n71 (Channel Bandwidth 20MHz)	673.00-688.00	18M8G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator				
		BPSK	QPSK	16QAM	64QAM	256QAM
For Part 27Q						
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	18M0G7D	18M2G7D	18M2D7W	18M3D7W	18M2D7W
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	27M7G7D	27M9G7D	27M9D7W	27M9D7W	27M9D7W
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	37M6G7D	37M8G7D	37M8D7W	37M9D7W	37M9D7W
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	57M9G7D	57M9G7D	57M9D7W	57M9D7W	57M9D7W
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	77M3G7D	77M6G7D	77M6D7W	77M6D7W	77M6D7W
n77 (Channel Bandwidth 100MHz)	3500.01	96M6G7D	97M6G7D	97M6D7W	97M4D7W	97M4D7W
For Part 27O						
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	18M1G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	27M7G7D	27M9G7D	27M9D7W	27M9D7W	27M9D7W
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	37M6G7D	37M8G7D	37M8D7W	37M8D7W	37M8D7W
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	57M9G7D	57M9G7D	57M9D7W	57M9D7W	57M9D7W
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	77M2G7D	77M5G7D	77M5D7W	77M5D7W	77M5D7W
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	96M8G7D	97M6G7D	97M4D7W	97M4D7W	97M4D7W

3. The EUT uses following accessories.

Battery		
Brand	Model	Specification
Kyocera	SCP-76LBPS	Power Rating : 3.87Vdc, typ 4270mAh, typ. 16.6Wh
USB Type A to USB type C cable		
Brand	Model	Specification
Kyocera	SCP-24 SDC	Signal Line : 1m shielded Type A to Type C USB

4. The EUT uses following support unit only.

Adapter (Support unit)		
Brand	Model	Specification
Kyocera	SCP-53ADT	AC Input: 100-240 Vac, 50/60 Hz, 0.6A DC Output: 5Vdc, 3A; 9Vdc, 3A; 15Vdc 1.8A; 20Vdc, 1.35A

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type		Monopole	
Antenna Connector		NA	
Item	Antenna No.	Band	Gain (dBi)
5G NR FR1	ANT0	n2	-0.7
		n5	-2.8
		n25	-0.7
		n30	-1.4
		n66	-0.1
		n71	-6.2
	ANT1	n2	0.1
		n25	0.2
		n41	-1.5
		n48	-2.0
		n66	0.0
		n77	-2.0

* 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.

3.3 Test Mode Applicability and Tested Channel Detail

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

For NR n2

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

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

For NR n5

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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	QPSK	1 RB Full RB
	165800 (829.00 MHz) 167300 (836.50 MHz) 168800 (844.00 MHz)	10 MHz	QPSK	1 RB Full RB
	166300 (831.50 MHz) 167300 (836.50 MHz) 168300 (841.50 MHz)	15 MHz	QPSK	1 RB Full RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	167300 (836.50 MHz)	20 MHz	QPSK	1 RB
RE Above 1GHz	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	QPSK	1 RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	QPSK	1 RB

For NR n25

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	370500 (1852.50 MHz) 376500 (1882.50 MHz) 382500 (1912.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	371000 (1855.00 MHz) 376500 (1882.50 MHz) 382000 (1910.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	371500 (1857.50 MHz) 376500 (1882.50 MHz) 381500 (1907.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	372000 (1860.00 MHz) 376500 (1882.50 MHz) 379000 (1905.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	376500 (1882.50 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	370500 (1852.50 MHz) 382500 (1912.50 MHz)	5 MHz	QPSK	Full RB
	371000 (1855.00 MHz) 382000 (1910.00 MHz)	10 MHz	QPSK	Full RB
	371500 (1857.50 MHz) 381500 (1907.50 MHz)	15 MHz	QPSK	Full RB
	372000 (1860.00 MHz) 379000 (1905.00 MHz)	20 MHz	QPSK	Full RB
Occupied Bandwidth	370500 (1852.50 MHz) 376500 (1882.50 MHz) 382500 (1912.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	371000 (1855.00 MHz) 376500 (1882.50 MHz) 382000 (1910.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	371500 (1857.50 MHz) 376500 (1882.50 MHz) 381500 (1907.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	372000 (1860.00 MHz) 376500 (1882.50 MHz) 379000 (1905.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	370500 (1852.50 MHz) 376500 (1882.50 MHz) 382500 (1912.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	371000 (1855.00 MHz) 376500 (1882.50 MHz) 382000 (1910.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	371500 (1857.50 MHz) 376500 (1882.50 MHz) 381500 (1907.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	372000 (1860.00 MHz) 376500 (1882.50 MHz) 379000 (1905.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	370500 (1852.50 MHz) 376500 (1882.50 MHz) 382500 (1912.50 MHz)	5 MHz	QPSK	1 RB Full RB
	371000 (1855.00 MHz) 376500 (1882.50 MHz) 382000 (1910.00 MHz)	10 MHz	QPSK	1 RB Full RB
	371500 (1857.50 MHz) 376500 (1882.50 MHz) 381500 (1907.50 MHz)	15 MHz	QPSK	1 RB Full RB
	372000 (1860.00 MHz) 376500 (1882.50 MHz) 379000 (1905.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	382500 (1912.50 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	370500 (1852.50 MHz) 376500 (1882.50 MHz) 382500 (1912.50 MHz)	5 MHz	QPSK	1 RB
	372000 (1860.00 MHz) 376500 (1882.50 MHz) 379000 (1905.00 MHz)	20 MHz	QPSK	1 RB

For NR n30

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	27710 (2310.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	27710 (2310.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	27710 (2310.00 MHz)	10 MHz	BPSK	Full RB
Occupied Bandwidth	27710 (2310.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Emission	27710 (2310.00 MHz)	10 MHz	QPSK	1 RB Full RB
RE Below 1GHz	27710 (2310.00 MHz)	10 MHz	QPSK	1 RB
RE Above 1GHz	27710 (2310.00 MHz)	10 MHz	QPSK	1 RB

For NR n41

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	502200 (2511.00 MHz) 518598 (2592.99 MHz) 534996 (2674.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	518598 (2592.99 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Frequency Stability	501204 (2506.02 MHz) 535998 (2679.99 MHz)	20 MHz	QPSK	Full RB
	502200 (2511.00 MHz) 534996 (2674.98 MHz)	30 MHz	QPSK	Full RB
	503202 (2516.01 MHz) 534000 (2670.00 MHz)	40 MHz	QPSK	Full RB
	504204 (2521.02 MHz) 532998 (2664.99 MHz)	50 MHz	QPSK	Full RB
	505200 (2526.00 MHz) 531996 (2659.98 MHz)	60 MHz	QPSK	Full RB
	506202 (2531.01 MHz) 531000 (2655.00 MHz)	70 MHz	QPSK	Full RB
	507204 (2536.02 MHz) 529998 (2649.99 MHz)	80 MHz	QPSK	Full RB
	508200 (2541.00 MHz) 528996 (2644.98 MHz)	90 MHz	QPSK	Full RB
	509202 (2546.01 MHz) 528000 (2640.00 MHz)	100 MHz	QPSK	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	502200 (2511.00 MHz) 518598 (2592.99 MHz) 534996 (2674.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	502200 (2511.00 MHz) 518598 (2592.99 MHz) 534996 (2674.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	QPSK	1 RB Full RB
	502200 (2511.00 MHz) 518598 (2592.99 MHz) 534996 (2674.98 MHz)	30 MHz	QPSK	1 RB Full RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	QPSK	1 RB Full RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	QPSK	1 RB Full RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	QPSK	1 RB Full RB
	506202 (2531.01 MHz) 518598 (2592.99 MHz) 531000 (2655.00 MHz)	70 MHz	QPSK	1 RB Full RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	QPSK	1 RB Full RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	QPSK	1 RB Full RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	QPSK	1 RB Full RB
RE Below 1GHz	509202 (2546.01 MHz)	100 MHz	QPSK	1 RB
RE Above 1GHz	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	QPSK	1 RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	QPSK	1 RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	QPSK	1 RB

For NR n66

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	345000 (1725.00 MHz) 349000 (1745.00 MHz) 353000 (1765.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	349000 (1745.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	342500 (1712.50 MHz) 355500 (1777.50 MHz)	5 MHz	QPSK	Full RB
	343000 (1715.00 MHz) 355000 (1775.00 MHz)	10 MHz	QPSK	Full RB
	343500 (1717.50 MHz) 354500 (1772.50 MHz)	15 MHz	QPSK	Full RB
	344000 (1720.00 MHz) 354000 (1770.00 MHz)	20 MHz	QPSK	Full RB
	345000 (1725.00 MHz) 353000 (1765.00 MHz)	30 MHz	QPSK	Full RB
Occupied Bandwidth	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	345000 (1725.00 MHz) 349000 (1745.00 MHz) 353000 (1765.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	345000 (1725.00 MHz) 349000 (1745.00 MHz) 353000 (1765.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Conducted Emission	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	QPSK	1 RB Full RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	QPSK	1 RB Full RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	QPSK	1 RB Full RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	QPSK	1 RB Full RB
	345000 (1725.00 MHz) 349000 (1745.00 MHz) 353000 (1765.00 MHz)	30 MHz	QPSK	1 RB Full RB
RE Below 1GHz	349000 (1745.00 MHz)	30 MHz	QPSK	1 RB
RE Above 1GHz	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	QPSK	1 RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	QPSK	1 RB
	345000 (1725.00 MHz) 349000 (1745.00 MHz) 353000 (1765.00 MHz)	30 MHz	QPSK	1 RB

For NR n71

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133172 (668.00 MHz) 133297 (680.50 MHz) 133422 (693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133197 (670.50 MHz) 133297 (680.50 MHz) 133397 (690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	133297 (680.50 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	133147 (665.50 MHz) 133447 (695.50 MHz)	5 MHz	QPSK	Full RB
	133172 (668.00 MHz) 133422 (693.00 MHz)	10 MHz	QPSK	Full RB
	133197 (670.50 MHz) 133397 (690.50 MHz)	15 MHz	QPSK	Full RB
	133222 (673.00 MHz) 133372 (688.00 MHz)	20 MHz	QPSK	Full RB
Occupied Bandwidth	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133172 (668.00 MHz) 133297 (680.50 MHz) 133422 (693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133197 (670.50 MHz) 133297 (680.50 MHz) 133397 (690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133172 (668.00 MHz) 133297 (680.50 MHz) 133422 (693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133197 (670.50 MHz) 133297 (680.50 MHz) 133397 (690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Full RB
	133172 (668.00 MHz) 133297 (680.50 MHz) 133422 (693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Full RB
	133197 (670.50 MHz) 133297 (680.50 MHz) 133397 (690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Full RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Full RB
RE Below 1GHz	133147 (665.50 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	QPSK	1 RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	QPSK	1 RB

For NR n77 (3450-3550 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3535.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	630668 (3460.02 MHz) 636000 (3540.00 MHz)	20 MHz	QPSK	Full RB
	631000 (3465.00 MHz) 635666 (3535.99 MHz)	30 MHz	QPSK	Full RB
	631334 (3470.01 MHz) 635332 (3529.98 MHz)	40 MHz	QPSK	Full RB
	632000 (3480.00 MHz) 634666 (3519.99 MHz)	60 MHz	QPSK	Full RB
	632668 (3490.02 MHz) 634000 (3510.00 MHz)	80 MHz	QPSK	Full RB
	633334 (3500.01 MHz)	100 MHz	QPSK	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3535.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3535.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	QPSK	1 RB Full RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3535.99 MHz)	30 MHz	QPSK	1 RB Full RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	QPSK	1 RB Full RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	QPSK	1 RB Full RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	QPSK	1 RB Full RB
	633334 (3500.01 MHz)	100 MHz	QPSK	1 RB Full RB
RE Below 1GHz	633334 (3500.01 MHz)	100 MHz	QPSK	1 RB
RE Above 1GHz	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	QPSK	1 RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	QPSK	1 RB
	633334 (3500.01 MHz)	100 MHz	QPSK	1 RB

For NR n77 (3700-3980 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 665666 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	656000 (3840.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	647334 (3710.01 MHz) 664666 (3969.99 MHz)	20 MHz	QPSK	Full RB
	647668 (3715.02 MHz) 665666 (3964.98 MHz)	30 MHz	QPSK	Full RB
	648000 (3720.00 MHz) 664000 (3960.00 MHz)	40 MHz	QPSK	Full RB
	648668 (3730.02 MHz) 663332 (3949.98 MHz)	60 MHz	QPSK	Full RB
	649334 (3740.01 MHz) 662666 (3939.99 MHz)	80 MHz	QPSK	Full RB
	650000 (3750.00 MHz) 662000 (3930.00 MHz)	100 MHz	QPSK	Full RB

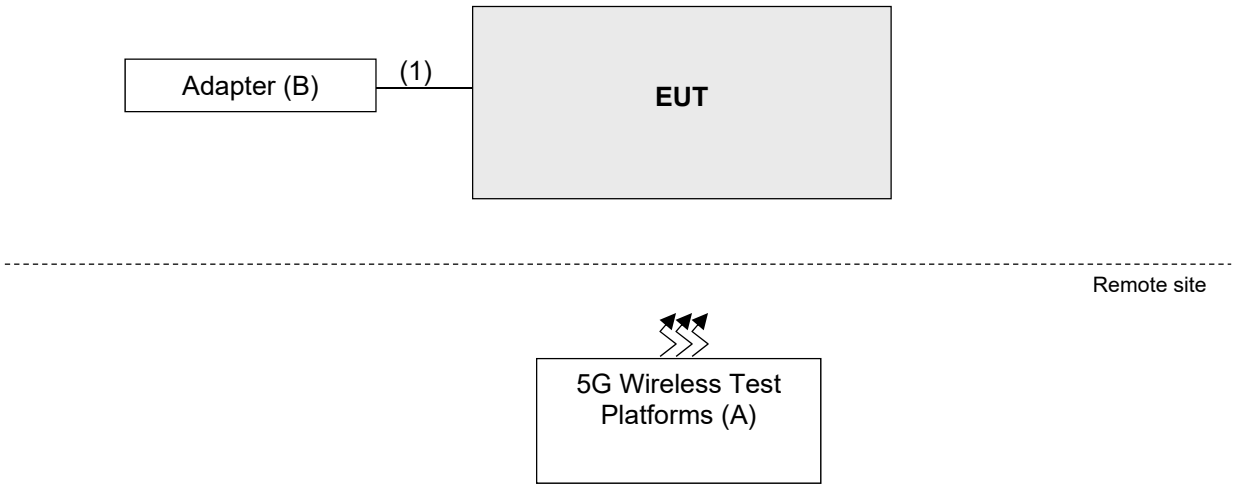
Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 665666 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 665666 (3964.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	QPSK	1 RB Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 665666 (3964.98 MHz)	30 MHz	QPSK	1 RB Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	QPSK	1 RB Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	QPSK	1 RB Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	QPSK	1 RB Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	QPSK	1 RB Full RB
RE Below 1GHz	650000 (3750.00 MHz)	100 MHz	QPSK	1 RB
RE Above 1GHz	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	QPSK	1 RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	QPSK	1 RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	QPSK	1 RB

3.4 Test Program Used and Operation Descriptions

There is no need to controlling software during the test, and the EUT can be paired with the 5G Wireless Test Platforms to test the connection when it is powered on.

3.5 Connection Diagram of EUT and Peripheral Devices



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	5G Wireless Test Platforms	Keysight	E7515B	MY60102114	N/A	Provided by Lab
B	Adapter	Kyocera	SCP-53ADT	N/A	N/A	Provided by Client

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB Cable	1	1	Y	0	Accessory of EUT

4 Test Instruments

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

4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
N9030B - PXA Signal Analyzer KEYSIGHT	N9030B	MY57140938	2022/3/15	2023/3/14
		MY57140488	2023/3/6	2024/03/05
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2022/5/20	2023/5/19
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2022/12/26 ~ 2023/3/23

4.2 Modulation Characteristics

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
N9030B - PXA Signal Analyzer KEYSIGHT	N9030B	MY57140938	2022/3/15	2023/3/14
		MY57140488	2023/3/6	2024/03/05
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2022/5/20	2023/5/19
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2022/12/26 ~ 2023/3/23

4.3 Peak to Average Ratio

Refer to section 4.2 to get information of the instruments.

4.4 Bandwidth

Refer to section 4.2 to get information of the instruments.

4.5 Conducted Spurious Emissions

Refer to section 4.2 to get information of the instruments.

4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Bi-log Broadband Antenna Schwarzbeck	VULB9168	9168-1213	2022/10/20	2023/10/19
Loop Antenna EMCI	EM-6879	269	2022/9/19	2023/9/18
Loop Antenna TESEQ	HLA 6121	45745	2022/7/27	2023/7/26
Pre-amplifier EMCI	EMC001340	980201	2022/9/23	2023/9/22
Pre_Amplifier EMCI	EMC330N	980782	2022/1/17	2023/1/16
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2022/1/15	2023/1/14
	EMCCFD400-NM-NM-500	201233	2022/1/17	2023/1/16
	EMCCFD400-NM-NM-3000	201235	2022/1/17	2023/1/16
	EMCCFD400-NM-NM-9000	201236	2022/1/17	2023/1/16
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2022/1/14	2023/1/13
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2022/5/20	2023/5/19

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2023/1/4 ~ 2023/1/6

4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Horn Antenna RFSPIN	DRH18-E	210103A18E	2022/11/13	2023/11/12
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2022/11/13	2023/11/12
Pre_Amplifier EMCI	EMC118A45SE	980808	2022/12/29	2023/12/28
	EMC184045SE	980788	2022/1/17	2023/1/16
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2022/1/17	2023/1/16
	EMC101G-KM-KM-3000	201257	2022/1/17	2023/1/16
	EMC101G-KM-KM-5000	201260	2022/1/17	2023/1/16
	EMC104-SM-SM-1000	210102	2022/1/17	2023/1/16
	EMC104-SM-SM-3000	201231	2022/1/17	2023/1/16
	EMC104-SM-SM-9000	201243	2022/1/17	2023/1/16
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2022/1/14	2023/1/13
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2022/5/20	2023/5/19

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2023/1/4 ~ 2023/1/6

4.8 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply JIN YIH Technology	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2022/6/23	2023/6/22
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100980	2022/4/20	2023/4/19
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/12/27	2023/12/26
5G Wireless Test Platforms Keysight	E7515B	MY60102114	2022/5/20	2023/5/19

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/3/15

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For NR n2, NR n25:

Mobile and portable stations are limited to 2 watts EIRP.

For NR n5:

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

For NR n30:

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

For NR n41:

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

For NR n66:

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

For NR n71:

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

For NR n77 (3450-3550 MHz):

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

For NR n77 (3700-3980 MHz):

Mobile and portable stations are limited to 1 Watt EIRP.

5.2 Modulation Characteristics

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

5.3 Peak to Average Ratio

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

5.4 Bandwidth

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

5.5 Conducted Spurious Emissions

For NR n2, NR n5, NR n25:

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 n30:

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

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

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

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

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

For NR n41:

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

For NR n66:

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

For NR n71:

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

For NR n77 (3450-3550 MHz):

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

For NR n77 (3700-3980 MHz):

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

5.6 Radiated Spurious Emissions below 1GHz

For NR n2, NR n5, NR n25:

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 n30:

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

For NR n41:

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

For NR n66:

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

For NR n71:

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

For NR n77 (3450-3550 MHz):

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

For NR n77 (3700-3980 MHz):

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

5.7 Radiated Spurious Emissions above 1GHz

For NR n2, NR n5, NR n25:

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 n30:

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

For NR n41:

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

For NR n66:

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

For NR n71:

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

For NR n77 (3450-3550 MHz):

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

For NR n77 (3700-3980 MHz):

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

5.8 Frequency Stability

For NR n5:

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

For NR n2, NR n25, NR n30, NR n41, NR n66, NR n71, NR n77 (3450-3550 MHz), NR n77 (3700-3980 MHz):

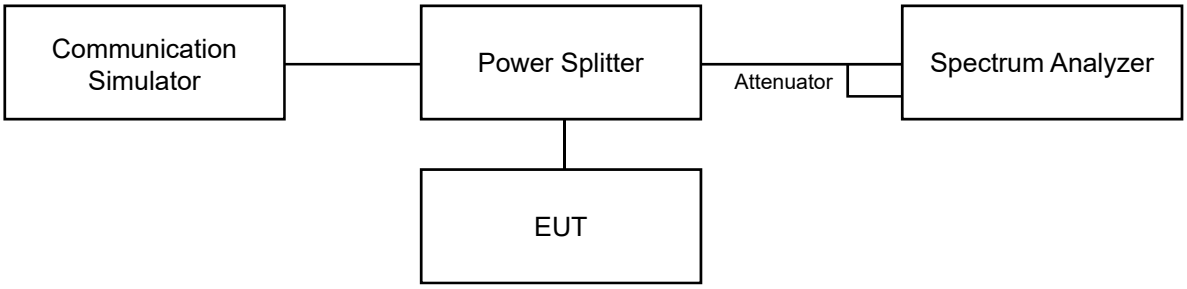
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation (authorized frequency block).

6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

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

Measurement method refers to ANSI C63.26 section 5.2.4.4.

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

Maximum EIRP / ERP

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

$EIRP = P_{Meas} + G_T$

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

where

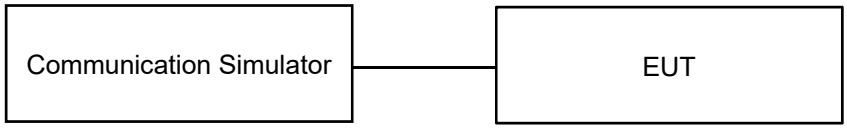
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

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

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

6.2 Modulation Characteristics

6.2.1 Test Setup

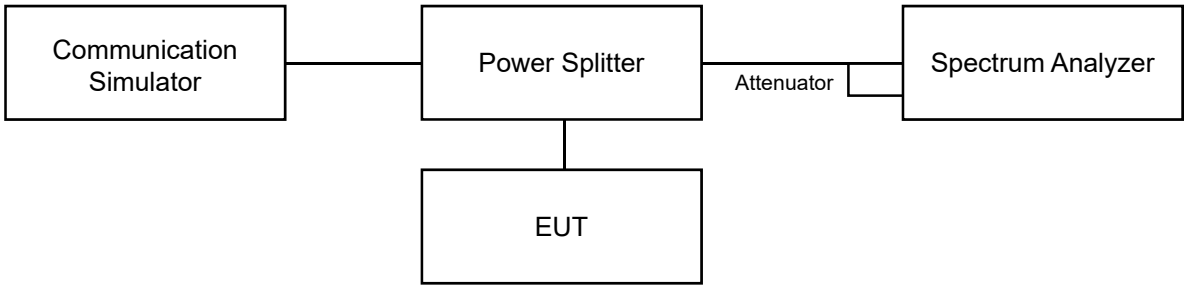


6.2.2 Test Procedure

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

6.3 Peak to Average Ratio

6.3.1 Test Setup

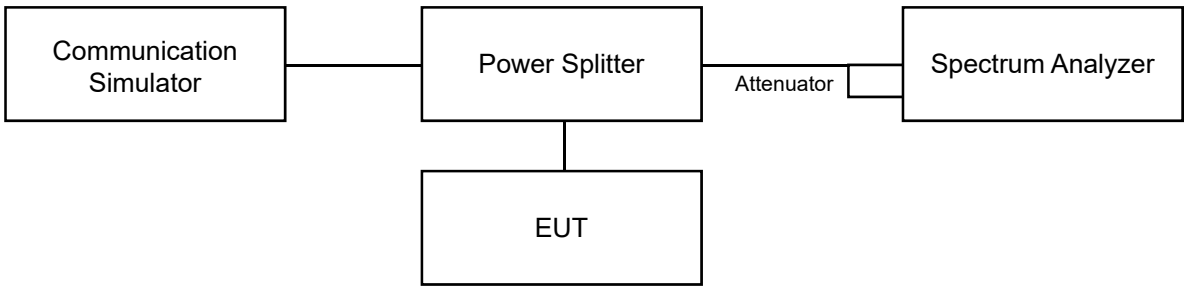


6.3.2 Test Procedure

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

6.4 Bandwidth

6.4.1 Test Setup



6.4.2 Test Procedure

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

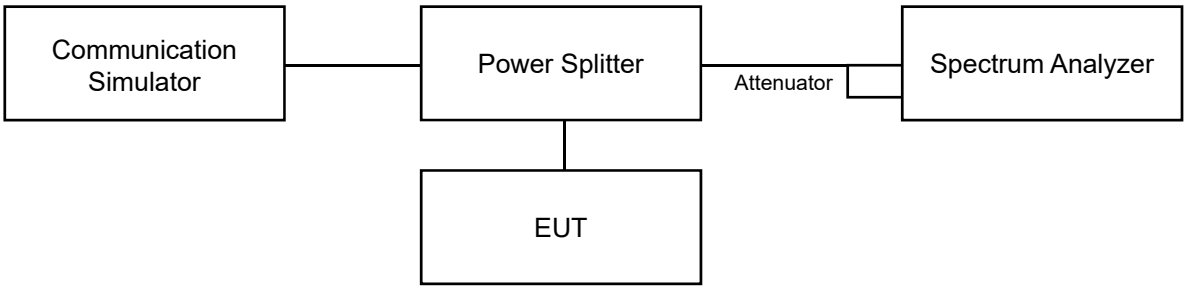
a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and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

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

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

6.5 Conducted Spurious Emissions

6.5.1 Test Setup



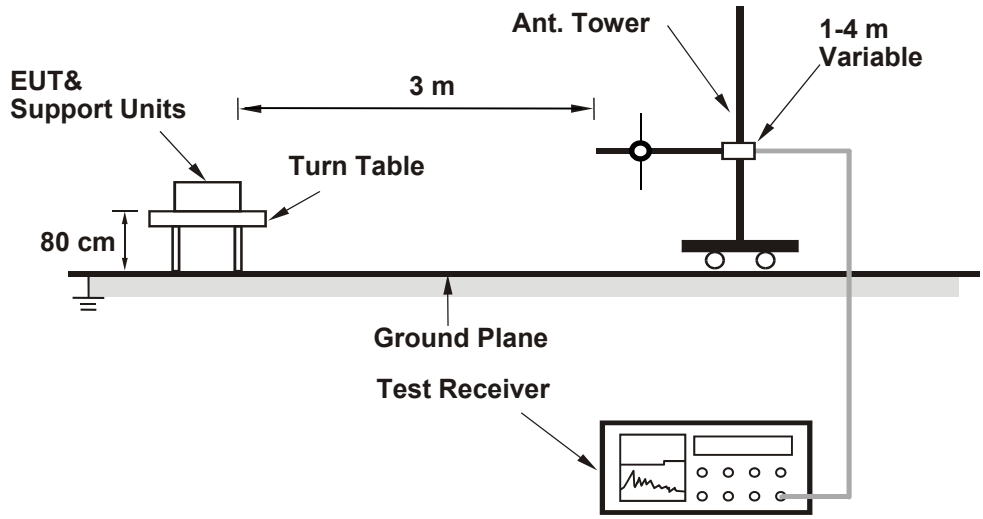
6.5.2 Test Procedure

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

6.6 Radiated Spurious Emissions below 1GHz

6.6.1 Test Setup

For radiated emission 30 MHz to 1 GHz



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

6.6.2 Test Procedure

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

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

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

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

d. Following C63.26 section 5.5 and 5.2.7

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

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

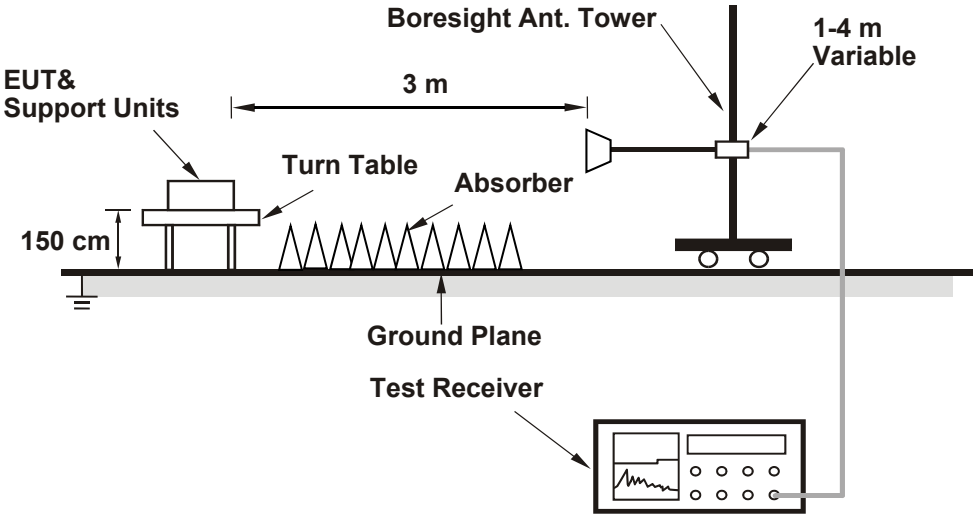
Note:

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

6.7 Radiated Spurious Emissions above 1GHz

6.7.1 Test Setup

For radiated emission above 1 GHz



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

6.7.2 Test Procedure

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

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

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

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

d. Following C63.26 section 5.5 and 5.2.7

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

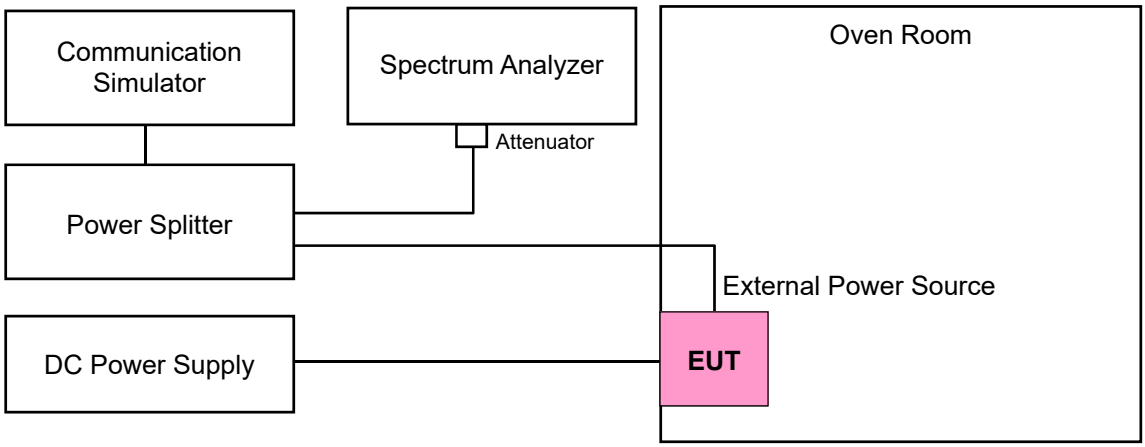
f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

Note:

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

6.8 Frequency Stability

6.8.1 Test Setup



6.8.2 Test Procedure

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

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

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

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

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

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	3.87 Vdc	Environmental Conditions:	21°C, 70% RH	Tested By:	James Yang

7.1.1 NR n2 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376000	380000
		Frequency (MHz)		1860	1880	1900
20M	DFT-S PI/2 BPSK	1	1	23.21	23.35	23.26
20M	DFT-S QPSK	1	1	23.26	23.45	23.32
		1	53	23.25	23.37	23.27
		1	104	23.13	23.26	23.18
		50	0	22.25	22.37	22.31
		50	28	23.35	23.38	23.36
		50	56	22.18	22.26	22.22
		100	0	22.05	22.15	22.05
20M	DFT-S 16QAM	1	1	21.97	22.08	22.07
20M	DFT-S 64QAM	1	1	20.37	20.56	20.47
20M	DFT-S 256QAM	1	1	18.61	18.62	18.61
20M	CP QPSK	1	1	22.02	22.03	22.02
BW	MCS Index	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5
15M	DFT-S PI/2 BPSK	1	1	23.17	23.27	23.25
15M	DFT-S QPSK	1	1	23.19	23.41	23.30
		1	40	23.17	23.37	23.18
		1	77	23.07	23.24	23.10
		36	0	22.24	22.32	22.23
		36	22	23.28	23.34	23.36
		36	43	22.08	22.20	22.13
		75	0	21.97	22.13	22.01
15M	DFT-S 16QAM	1	1	21.97	22.00	22.01
15M	DFT-S 64QAM	1	1	20.33	20.46	20.40
15M	DFT-S 256QAM	1	1	18.59	18.53	18.55
15M	CP QPSK	1	1	21.95	22.01	21.95

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10M	DFT-S PI/2 BPSK	1	1	23.18	23.32	23.18
10M	DFT-S QPSK	1	1	23.19	23.41	23.24
		1	26	23.24	23.29	23.19
		1	50	23.08	23.24	23.11
		25	0	22.15	22.35	22.24
		25	14	23.26	23.37	23.26
		25	27	22.10	22.24	22.19
		50	0	22.00	22.09	21.98
10M	DFT-S 16QAM	1	1	21.94	22.07	21.98
10M	DFT-S 64QAM	1	1	20.28	20.52	20.39
10M	DFT-S 256QAM	1	1	18.51	18.62	18.54
10M	CP QPSK	1	1	21.98	22.03	22.00
BW	MCS Index	Channel		370500	376000	381500
		Frequency (MHz)		1852.5	1880	1907.5
5M	DFT-S PI/2 BPSK	1	1	23.18	23.28	23.19
5M	DFT-S QPSK	1	1	23.16	23.44	23.32
		1	13	23.22	23.36	23.19
		1	23	23.03	23.26	23.12
		12	0	22.24	22.33	22.27
		12	7	23.34	23.38	23.34
		12	13	22.17	22.20	22.15
		25	0	22.03	22.10	21.95
5M	DFT-S 16QAM	1	1	21.96	21.99	22.03
5M	DFT-S 64QAM	1	1	20.36	20.46	20.39
5M	DFT-S 256QAM	1	1	18.61	18.62	18.55
5M	CP QPSK	1	1	22.01	21.96	21.99

EIRP Power (dBm)

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376000	380000
		Frequency (MHz)		1860	1880	1900
20M	DFT-S PI/2 BPSK	1	1	23.31	23.45	23.36
20M	DFT-S QPSK	1	1	23.36	23.55	23.42
		1	53	23.35	23.47	23.37
		1	104	23.23	23.36	23.28
		50	0	22.35	22.47	22.41
		50	28	23.45	23.48	23.46
		50	56	22.28	22.36	22.32
		100	0	22.15	22.25	22.15
20M	DFT-S 16QAM	1	1	22.07	22.18	22.17
20M	DFT-S 64QAM	1	1	20.47	20.66	20.57
20M	DFT-S 256QAM	1	1	18.71	18.72	18.71
20M	CP QPSK	1	1	22.12	22.13	22.12
BW	MCS Index	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5
15M	DFT-S PI/2 BPSK	1	1	23.27	23.37	23.35
15M	DFT-S QPSK	1	1	23.29	23.51	23.40
		1	40	23.27	23.47	23.28
		1	77	23.17	23.34	23.20
		36	0	22.34	22.42	22.33
		36	22	23.38	23.44	23.46
		36	43	22.18	22.30	22.23
		75	0	22.07	22.23	22.11
15M	DFT-S 16QAM	1	1	22.07	22.10	22.11
15M	DFT-S 64QAM	1	1	20.43	20.56	20.50
15M	DFT-S 256QAM	1	1	18.69	18.63	18.65
15M	CP QPSK	1	1	22.05	22.11	22.05

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

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10M	DFT-S PI/2 BPSK	1	1	23.28	23.42	23.28
10M	DFT-S QPSK	1	1	23.29	23.51	23.34
		1	26	23.34	23.39	23.29
		1	50	23.18	23.34	23.21
		25	0	22.25	22.45	22.34
		25	14	23.36	23.47	23.36
		25	27	22.20	22.34	22.29
		50	0	22.10	22.19	22.08
10M	DFT-S 16QAM	1	1	22.04	22.17	22.08
10M	DFT-S 64QAM	1	1	20.38	20.62	20.49
10M	DFT-S 256QAM	1	1	18.61	18.72	18.64
10M	CP QPSK	1	1	22.08	22.13	22.10
BW	MCS Index	Channel		370500	376000	381500
		Frequency (MHz)		1852.5	1880	1907.5
5M	DFT-S PI/2 BPSK	1	1	23.28	23.38	23.29
5M	DFT-S QPSK	1	1	23.26	23.54	23.42
		1	13	23.32	23.46	23.29
		1	23	23.13	23.36	23.22
		12	0	22.34	22.43	22.37
		12	7	23.44	23.48	23.44
		12	13	22.27	22.30	22.25
		25	0	22.13	22.20	22.05
5M	DFT-S 16QAM	1	1	22.06	22.09	22.13
5M	DFT-S 64QAM	1	1	20.46	20.56	20.49
5M	DFT-S 256QAM	1	1	18.71	18.72	18.65
5M	CP QPSK	1	1	22.11	22.06	22.09

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

7.1.2 NR n5 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		166800	167300	167800
		Frequency (MHz)		834	836.5	839
20M	DFT-S PI/2 BPSK	1	1	23.74	23.86	23.78
20M	DFT-S QPSK	1	1	23.82	23.94	23.85
		1	53	23.77	23.82	23.78
		1	104	23.64	23.73	23.64
		50	0	22.88	22.92	22.90
		50	28	23.78	23.89	23.85
		50	56	22.70	22.81	22.77
		100	0	22.73	22.84	22.80
20M	DFT-S 16QAM	1	1	22.78	22.86	22.84
20M	DFT-S 64QAM	1	1	21.36	21.41	21.39
20M	DFT-S 256QAM	1	1	19.21	19.38	19.31
20M	CP QPSK	1	1	22.39	22.45	22.39
BW	MCS Index	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5
15M	DFT-S PI/2 BPSK	1	1	23.70	23.78	23.74
15M	DFT-S QPSK	1	1	23.78	23.87	23.83
		1	40	23.75	23.78	23.76
		1	77	23.62	23.73	23.54
		36	0	22.78	22.83	22.84
		36	22	23.69	23.79	23.79
		36	43	22.69	22.81	22.70
		75	0	22.69	22.80	22.74
15M	DFT-S 16QAM	1	1	22.74	22.82	22.78
15M	DFT-S 64QAM	1	1	21.35	21.34	21.38
15M	DFT-S 256QAM	1	1	19.17	19.28	19.27
15M	CP QPSK	1	1	22.30	22.35	22.35

NR Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		165800	167300	168800
		Frequency (MHz)		829	836.5	844
10M	DFT-S PI/2 BPSK	1	1	23.74	23.80	23.76
10M	DFT-S QPSK	1	1	23.75	23.93	23.85
		1	26	23.71	23.74	23.77
		1	50	23.61	23.64	23.63
		25	0	22.80	22.91	22.83
		25	14	23.73	23.80	23.79
		25	27	22.70	22.72	22.71
		50	0	22.67	22.78	22.71
10M	DFT-S 16QAM	1	1	22.68	22.85	22.79
10M	DFT-S 64QAM	1	1	21.32	21.37	21.37
10M	DFT-S 256QAM	1	1	19.17	19.28	19.22
10M	CP QPSK	1	1	22.33	22.35	22.31
BW	MCS Index	Channel		165300	167300	169300
		Frequency (MHz)		826.5	836.5	846.5
5M	DFT-S PI/2 BPSK	1	1	23.69	23.80	23.76
5M	DFT-S QPSK	1	1	23.81	23.89	23.78
		1	13	23.73	23.72	23.70
		1	23	23.60	23.64	23.64
		12	0	22.81	22.90	22.86
		12	7	23.74	23.88	23.80
		12	13	22.70	22.81	22.69
		25	0	22.70	22.81	22.77
5M	DFT-S 16QAM	1	1	22.76	22.81	22.84
5M	DFT-S 64QAM	1	1	21.34	21.37	21.31
5M	DFT-S 256QAM	1	1	19.14	19.38	19.31
5M	CP QPSK	1	1	22.29	22.44	22.35

ERP Power (dBm)

NR Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		166800	167300	167800
		Frequency (MHz)		834	836.5	839
20M	DFT-S PI/2 BPSK	1	1	18.79	18.91	18.83
20M	DFT-S QPSK	1	1	18.87	18.99	18.90
		1	53	18.82	18.87	18.83
		1	104	18.69	18.78	18.69
		50	0	17.93	17.97	17.95
		50	28	18.83	18.94	18.90
		50	56	17.75	17.86	17.82
		100	0	17.78	17.89	17.85
20M	DFT-S 16QAM	1	1	17.83	17.91	17.89
20M	DFT-S 64QAM	1	1	16.41	16.46	16.44
20M	DFT-S 256QAM	1	1	14.26	14.43	14.36
20M	CP QPSK	1	1	17.44	17.50	17.44
BW	MCS Index	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5
15M	DFT-S PI/2 BPSK	1	1	18.75	18.83	18.79
15M	DFT-S QPSK	1	1	18.83	18.92	18.88
		1	40	18.80	18.83	18.81
		1	77	18.67	18.78	18.59
		36	0	17.83	17.88	17.89
		36	22	18.74	18.84	18.84
		36	43	17.74	17.86	17.75
		75	0	17.74	17.85	17.79
15M	DFT-S 16QAM	1	1	17.79	17.87	17.83
15M	DFT-S 64QAM	1	1	16.40	16.39	16.43
15M	DFT-S 256QAM	1	1	14.22	14.33	14.32
15M	CP QPSK	1	1	17.35	17.40	17.40

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

NR Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		165800	167300	168800
		Frequency (MHz)		829	836.5	844
10M	DFT-S PI/2 BPSK	1	1	18.79	18.85	18.81
10M	DFT-S QPSK	1	1	18.80	18.98	18.90
		1	26	18.76	18.79	18.82
		1	50	18.66	18.69	18.68
		25	0	17.85	17.96	17.88
		25	14	18.78	18.85	18.84
		25	27	17.75	17.77	17.76
		50	0	17.72	17.83	17.76
10M	DFT-S 16QAM	1	1	17.73	17.90	17.84
10M	DFT-S 64QAM	1	1	16.37	16.42	16.42
10M	DFT-S 256QAM	1	1	14.22	14.33	14.27
10M	CP QPSK	1	1	17.38	17.40	17.36
BW	MCS Index	Channel		165300	167300	169300
		Frequency (MHz)		826.5	836.5	846.5
5M	DFT-S PI/2 BPSK	1	1	18.74	18.85	18.81
5M	DFT-S QPSK	1	1	18.86	18.94	18.83
		1	13	18.78	18.77	18.75
		1	23	18.65	18.69	18.69
		12	0	17.86	17.95	17.91
		12	7	18.79	18.93	18.85
		12	13	17.75	17.86	17.74
		25	0	17.75	17.86	17.82
5M	DFT-S 16QAM	1	1	17.81	17.86	17.89
5M	DFT-S 64QAM	1	1	16.39	16.42	16.36
5M	DFT-S 256QAM	1	1	14.19	14.43	14.36
5M	CP QPSK	1	1	17.34	17.49	17.40

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

7.1.3 NR n25 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 25						
BW	MCS Index	Channel		372000	376500	381000
		Frequency (MHz)		1860	1882.5	1905
20M	DFT-S PI/2 BPSK	1	1	23.14	23.21	23.46
20M	DFT-S QPSK	1	1	23.23	23.30	23.55
		1	53	23.22	23.25	23.32
		1	104	23.12	23.13	23.18
		50	0	22.51	22.57	22.58
		50	28	23.36	23.39	23.42
		50	56	22.31	22.34	22.44
		100	0	22.32	22.35	22.41
20M	DFT-S 16QAM	1	1	22.26	22.28	22.36
20M	DFT-S 64QAM	1	1	20.85	20.92	20.94
20M	DFT-S 256QAM	1	1	18.83	18.92	18.96
20M	CP QPSK	1	1	21.84	21.86	21.92
BW	MCS Index	Channel		371500	376500	381500
		Frequency (MHz)		1857.5	1882.5	1907.5
15M	DFT-S PI/2 BPSK	1	1	23.08	23.12	23.36
15M	DFT-S QPSK	1	1	23.18	23.28	23.53
		1	40	23.16	23.20	23.24
		1	77	23.06	23.09	23.16
		36	0	22.46	22.55	22.49
		36	22	23.27	23.37	23.34
		36	43	22.25	22.24	22.43
		75	0	22.32	22.27	22.37
15M	DFT-S 16QAM	1	1	22.17	22.27	22.29
15M	DFT-S 64QAM	1	1	20.77	20.86	20.90
15M	DFT-S 256QAM	1	1	18.76	18.82	18.87
15M	CP QPSK	1	1	21.78	21.80	21.87

NR Band 25						
BW	MCS Index	Channel		371000	376500	382000
		Frequency (MHz)		1855	1882.5	1910
10M	DFT-S PI/2 BPSK	1	1	23.13	23.17	23.46
10M	DFT-S QPSK	1	1	23.22	23.23	23.50
		1	26	23.19	23.20	23.23
		1	50	23.11	23.10	23.08
		25	0	22.47	22.56	22.56
		25	14	23.36	23.37	23.32
		25	27	22.27	22.33	22.41
		50	0	22.28	22.35	22.37
10M	DFT-S 16QAM	1	1	22.18	22.23	22.29
10M	DFT-S 64QAM	1	1	20.78	20.87	20.87
10M	DFT-S 256QAM	1	1	18.82	18.85	18.93
10M	CP QPSK	1	1	21.79	21.77	21.92
BW	MCS Index	Channel		370500	376500	382500
		Frequency (MHz)		1852.5	1882.5	1912.5
5M	DFT-S PI/2 BPSK	1	1	23.14	23.17	23.41
5M	DFT-S QPSK	1	1	23.19	23.22	23.47
		1	13	23.12	23.16	23.30
		1	23	23.08	23.03	23.11
		12	0	22.41	22.49	22.52
		12	7	23.28	23.33	23.42
		12	13	22.26	22.31	22.43
		25	0	22.23	22.27	22.41
5M	DFT-S 16QAM	1	1	22.19	22.28	22.31
5M	DFT-S 64QAM	1	1	20.78	20.90	20.88
5M	DFT-S 256QAM	1	1	18.73	18.89	18.87
5M	CP QPSK	1	1	21.78	21.83	21.86

EIRP Power (dBm)

NR Band 25						
BW	MCS Index	Channel		372000	376500	381000
		Frequency (MHz)		1860	1882.5	1905
20M	DFT-S PI/2 BPSK	1	1	23.34	23.41	23.66
20M	DFT-S QPSK	1	1	23.43	23.50	23.75
		1	53	23.42	23.45	23.52
		1	104	23.32	23.33	23.38
		50	0	22.71	22.77	22.78
		50	28	23.56	23.59	23.62
		50	56	22.51	22.54	22.64
		100	0	22.52	22.55	22.61
20M	DFT-S 16QAM	1	1	22.46	22.48	22.56
20M	DFT-S 64QAM	1	1	21.05	21.12	21.14
20M	DFT-S 256QAM	1	1	19.03	19.12	19.16
20M	CP QPSK	1	1	22.04	22.06	22.12
BW	MCS Index	Channel		371500	376500	381500
		Frequency (MHz)		1857.5	1882.5	1907.5
15M	DFT-S PI/2 BPSK	1	1	23.28	23.32	23.56
15M	DFT-S QPSK	1	1	23.38	23.48	23.73
		1	40	23.36	23.40	23.44
		1	77	23.26	23.29	23.36
		36	0	22.66	22.75	22.69
		36	22	23.47	23.57	23.54
		36	43	22.45	22.44	22.63
		75	0	22.52	22.47	22.57
15M	DFT-S 16QAM	1	1	22.37	22.47	22.49
15M	DFT-S 64QAM	1	1	20.97	21.06	21.10
15M	DFT-S 256QAM	1	1	18.96	19.02	19.07
15M	CP QPSK	1	1	21.98	22.00	22.07

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

NR Band 25						
BW	MCS Index	Channel		371000	376500	382000
		Frequency (MHz)		1855	1882.5	1910
10M	DFT-S PI/2 BPSK	1	1	23.33	23.37	23.66
10M	DFT-S QPSK	1	1	23.42	23.43	23.70
		1	26	23.39	23.40	23.43
		1	50	23.31	23.30	23.28
		25	0	22.67	22.76	22.76
		25	14	23.56	23.57	23.52
		25	27	22.47	22.53	22.61
		50	0	22.48	22.55	22.57
10M	DFT-S 16QAM	1	1	22.38	22.43	22.49
10M	DFT-S 64QAM	1	1	20.98	21.07	21.07
10M	DFT-S 256QAM	1	1	19.02	19.05	19.13
10M	CP QPSK	1	1	21.99	21.97	22.12
BW	MCS Index	Channel		370500	376500	382500
		Frequency (MHz)		1852.5	1882.5	1912.5
5M	DFT-S PI/2 BPSK	1	1	23.34	23.37	23.61
5M	DFT-S QPSK	1	1	23.39	23.42	23.67
		1	13	23.32	23.36	23.50
		1	23	23.28	23.23	23.31
		12	0	22.61	22.69	22.72
		12	7	23.48	23.53	23.62
		12	13	22.46	22.51	22.63
		25	0	22.43	22.47	22.61
5M	DFT-S 16QAM	1	1	22.39	22.48	22.51
5M	DFT-S 64QAM	1	1	20.98	21.10	21.08
5M	DFT-S 256QAM	1	1	18.93	19.09	19.07
5M	CP QPSK	1	1	21.98	22.03	22.06

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

7.1.4 NR n30 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 30				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		462000
		Frequency (MHz)		2310
10M	DFT-S PI/2 BPSK	1	1	23.04
10M	DFT-S QPSK	1	1	23.14
		1	26	23.06
		1	50	22.98
		25	0	21.98
		25	14	22.92
		25	27	21.86
		50	0	21.78
10M	DFT-S 16QAM	1	1	21.74
10M	DFT-S 64QAM	1	1	20.37
10M	DFT-S 256QAM	1	1	17.83
10M	CP QPSK	1	1	21.66

EIRP Power (dBm)

NR Band 30				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		462000
		Frequency (MHz)		2310
10M	DFT-S PI/2 BPSK	1	1	21.64
10M	DFT-S QPSK	1	1	21.74
		1	26	21.66
		1	50	21.58
		25	0	20.58
		25	14	21.52
		25	27	20.46
		50	0	20.38
10M	DFT-S 16QAM	1	1	20.34
10M	DFT-S 64QAM	1	1	18.97
10M	DFT-S 256QAM	1	1	16.43
10M	CP QPSK	1	1	20.26

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

7.1.5 NR n41 SCS 30 kHz

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-S PI/2 BPSK	1	1	22.92	22.96	22.82
100M	DFT-S QPSK	1	1	22.95	23.01	22.89
		1	137	22.93	22.95	22.92
		1	271	22.77	22.93	22.61
		135	0	21.91	22.05	21.79
		135	69	22.84	22.91	22.75
		135	138	21.90	21.96	21.76
		270	0	21.93	21.95	21.85
100M	DFT-S 16QAM	1	1	21.98	21.87	21.93
100M	DFT-S 64QAM	1	1	20.34	20.55	20.41
100M	DFT-S 256QAM	1	1	18.33	18.51	18.10
100M	CP QPSK	1	1	21.40	21.46	21.28
BW	MCS Index	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	DFT-S PI/2 BPSK	1	1	22.88	22.89	22.73
90M	DFT-S QPSK	1	1	22.87	23.00	22.89
		1	123	22.89	22.91	22.90
		1	243	22.67	22.90	22.57
		120	0	21.89	21.97	21.72
		120	63	22.84	22.87	22.67
		120	125	21.86	21.93	21.69
		243	0	21.86	21.86	21.72
90M	DFT-S 16QAM	1	1	21.87	21.95	21.80
90M	DFT-S 64QAM	1	1	20.34	20.45	20.41
90M	DFT-S 256QAM	1	1	18.19	18.37	18.05
90M	CP QPSK	1	1	21.35	21.47	21.21

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-S PI/2 BPSK	1	1	22.84	22.90	22.75
80M	DFT-S QPSK	1	1	22.90	22.91	22.89
		1	109	22.86	22.91	22.84
		1	215	22.75	22.83	22.51
		108	0	21.88	22.01	21.74
		108	55	22.77	22.83	22.65
		108	109	21.85	21.96	21.72
		216	0	21.89	21.92	21.82
80M	DFT-S 16QAM	1	1	21.88	21.94	21.81
80M	DFT-S 64QAM	1	1	20.34	20.40	20.32
80M	DFT-S 256QAM	1	1	18.23	18.38	18.08
80M	CP QPSK	1	1	21.32	21.45	21.26
BW	MCS Index	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-S PI/2 BPSK	1	1	22.92	22.92	22.75
70M	DFT-S QPSK	1	1	22.87	22.93	22.86
		1	95	22.93	22.90	22.89
		1	187	22.70	22.87	22.51
		90	0	21.90	21.96	21.70
		90	50	22.81	22.89	22.75
		90	99	21.85	21.90	21.69
		180	0	21.87	21.87	21.81
70M	DFT-S 16QAM	1	1	21.93	21.98	21.85
70M	DFT-S 64QAM	1	1	20.34	20.35	20.32
70M	DFT-S 256QAM	1	1	18.24	18.36	18.06
70M	CP QPSK	1	1	21.35	21.48	21.29

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-S PI/2 BPSK	1	1	22.82	22.91	22.73
60M	DFT-S QPSK	1	1	22.91	22.98	22.83
		1	81	22.89	22.94	22.87
		1	160	22.67	22.90	22.59
		81	0	21.82	22.04	21.70
		81	41	22.82	22.85	22.70
		81	81	21.86	21.86	21.69
		162	0	21.86	21.89	21.78
60M	DFT-S 16QAM	1	1	21.85	21.96	21.82
60M	DFT-S 64QAM	1	1	20.38	20.44	20.32
60M	DFT-S 256QAM	1	1	18.18	18.33	18.02
60M	CP QPSK	1	1	21.38	21.46	21.22
BW	MCS Index	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-S PI/2 BPSK	1	1	22.89	22.87	22.73
50M	DFT-S QPSK	1	1	22.92	22.99	22.85
		1	67	22.84	22.90	22.82
		1	131	22.76	22.88	22.55
		64	0	21.91	21.95	21.75
		64	35	22.81	22.83	22.67
		64	69	21.85	21.89	21.75
		128	0	21.87	21.92	21.76
50M	DFT-S 16QAM	1	1	21.90	21.93	21.87
50M	DFT-S 64QAM	1	1	20.34	20.44	20.33
50M	DFT-S 256QAM	1	1	18.26	18.40	18.02
50M	CP QPSK	1	1	21.31	21.48	21.29

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-S PI/2 BPSK	1	1	22.85	22.92	22.75
40M	DFT-S QPSK	1	1	22.92	22.90	22.89
		1	53	22.91	22.93	22.85
		1	104	22.70	22.83	22.56
		50	0	21.91	21.95	21.69
		50	28	22.75	22.87	22.73
		50	56	21.81	21.96	21.73
		100	0	21.91	21.95	21.73
40M	DFT-S 16QAM	1	1	21.94	21.95	21.79
40M	DFT-S 64QAM	1	1	20.33	20.40	20.40
40M	DFT-S 256QAM	1	1	18.19	18.34	18.06
40M	CP QPSK	1	1	21.32	21.52	21.26
BW	MCS Index	Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30M	DFT-S PI/2 BPSK	1	1	22.87	22.90	22.74
30M	DFT-S QPSK	1	1	22.86	22.92	22.80
		1	39	22.86	22.88	22.86
		1	76	22.67	22.91	22.52
		36	0	21.86	22.03	21.75
		36	21	22.81	22.86	22.68
		36	42	21.84	21.90	21.76
		75	0	21.85	21.87	21.76
30M	DFT-S 16QAM	1	1	21.94	21.95	21.87
30M	DFT-S 64QAM	1	1	20.42	20.39	20.38
30M	DFT-S 256QAM	1	1	18.20	18.40	18.04
30M	CP QPSK	1	1	21.37	21.50	21.23

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-S PI/2 BPSK	1	1	22.91	22.95	22.81
20M	DFT-S QPSK	1	1	22.86	23.00	22.88
		1	26	22.86	22.85	22.88
		1	49	22.69	22.86	22.51
		25	0	21.85	22.05	21.76
		25	13	22.76	22.81	22.72
		25	26	21.83	21.90	21.76
		50	0	21.82	21.96	21.78
20M	DFT-S 16QAM	1	1	21.94	21.94	21.83
20M	DFT-S 64QAM	1	1	20.40	20.43	20.39
20M	DFT-S 256QAM	1	1	18.25	18.42	18.11
20M	CP QPSK	1	1	21.41	21.54	21.25

EIRP Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	DFT-S PI/2 BPSK	1	1	21.42	21.46	21.32
100M	DFT-S QPSK	1	1	21.45	21.51	21.39
		1	137	21.43	21.45	21.42
		1	271	21.27	21.43	21.11
		135	0	20.41	20.55	20.29
		135	69	21.34	21.41	21.25
		135	138	20.40	20.46	20.26
		270	0	20.43	20.45	20.35
100M	DFT-S 16QAM	1	1	20.48	20.37	20.43
100M	DFT-S 64QAM	1	1	18.84	19.05	18.91
100M	DFT-S 256QAM	1	1	16.83	17.01	16.60
100M	CP QPSK	1	1	19.90	19.96	19.78
BW	MCS Index	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	DFT-S PI/2 BPSK	1	1	21.38	21.39	21.23
90M	DFT-S QPSK	1	1	21.37	21.50	21.39
		1	123	21.39	21.41	21.40
		1	243	21.17	21.40	21.07
		120	0	20.39	20.47	20.22
		120	63	21.34	21.37	21.17
		120	125	20.36	20.43	20.19
		243	0	20.36	20.36	20.22
90M	DFT-S 16QAM	1	1	20.37	20.45	20.30
90M	DFT-S 64QAM	1	1	18.84	18.95	18.91
90M	DFT-S 256QAM	1	1	16.69	16.87	16.55
90M	CP QPSK	1	1	19.85	19.97	19.71

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

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	DFT-S PI/2 BPSK	1	1	21.34	21.40	21.25
80M	DFT-S QPSK	1	1	21.40	21.41	21.39
		1	109	21.36	21.41	21.34
		1	215	21.25	21.33	21.01
		108	0	20.38	20.51	20.24
		108	55	21.27	21.33	21.15
		108	109	20.35	20.46	20.22
		216	0	20.39	20.42	20.32
80M	DFT-S 16QAM	1	1	20.38	20.44	20.31
80M	DFT-S 64QAM	1	1	18.84	18.90	18.82
80M	DFT-S 256QAM	1	1	16.73	16.88	16.58
80M	CP QPSK	1	1	19.82	19.95	19.76
BW	MCS Index	Channel		506202	518598	531000
		Frequency (MHz)		2531.01	2592.99	2655
70M	DFT-S PI/2 BPSK	1	1	21.42	21.42	21.25
70M	DFT-S QPSK	1	1	21.37	21.43	21.36
		1	95	21.43	21.40	21.39
		1	187	21.20	21.37	21.01
		90	0	20.40	20.46	20.20
		90	50	21.31	21.39	21.25
		90	99	20.35	20.40	20.19
		180	0	20.37	20.37	20.31
70M	DFT-S 16QAM	1	1	20.43	20.48	20.35
70M	DFT-S 64QAM	1	1	18.84	18.85	18.82
70M	DFT-S 256QAM	1	1	16.74	16.86	16.56
70M	CP QPSK	1	1	19.85	19.98	19.79

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

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	DFT-S PI/2 BPSK	1	1	21.32	21.41	21.23
60M	DFT-S QPSK	1	1	21.41	21.48	21.33
		1	81	21.39	21.44	21.37
		1	160	21.17	21.40	21.09
		81	0	20.32	20.54	20.20
		81	41	21.32	21.35	21.20
		81	81	20.36	20.36	20.19
		162	0	20.36	20.39	20.28
60M	DFT-S 16QAM	1	1	20.35	20.46	20.32
60M	DFT-S 64QAM	1	1	18.88	18.94	18.82
60M	DFT-S 256QAM	1	1	16.68	16.83	16.52
60M	CP QPSK	1	1	19.88	19.96	19.72
BW	MCS Index	Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	DFT-S PI/2 BPSK	1	1	21.39	21.37	21.23
50M	DFT-S QPSK	1	1	21.42	21.49	21.35
		1	67	21.34	21.40	21.32
		1	131	21.26	21.38	21.05
		64	0	20.41	20.45	20.25
		64	35	21.31	21.33	21.17
		64	69	20.35	20.39	20.25
		128	0	20.37	20.42	20.26
50M	DFT-S 16QAM	1	1	20.40	20.43	20.37
50M	DFT-S 64QAM	1	1	18.84	18.94	18.83
50M	DFT-S 256QAM	1	1	16.76	16.90	16.52
50M	CP QPSK	1	1	19.81	19.98	19.79

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

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	DFT-S PI/2 BPSK	1	1	21.35	21.42	21.25
40M	DFT-S QPSK	1	1	21.42	21.40	21.39
		1	53	21.41	21.43	21.35
		1	104	21.20	21.33	21.06
		50	0	20.41	20.45	20.19
		50	28	21.25	21.37	21.23
		50	56	20.31	20.46	20.23
		100	0	20.41	20.45	20.23
40M	DFT-S 16QAM	1	1	20.44	20.45	20.29
40M	DFT-S 64QAM	1	1	18.83	18.90	18.90
40M	DFT-S 256QAM	1	1	16.69	16.84	16.56
40M	CP QPSK	1	1	19.82	20.02	19.76
BW	MCS Index	Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30M	DFT-S PI/2 BPSK	1	1	21.37	21.40	21.24
30M	DFT-S QPSK	1	1	21.36	21.42	21.30
		1	39	21.36	21.38	21.36
		1	76	21.17	21.41	21.02
		36	0	20.36	20.53	20.25
		36	21	21.31	21.36	21.18
		36	42	20.34	20.40	20.26
		75	0	20.35	20.37	20.26
30M	DFT-S 16QAM	1	1	20.44	20.45	20.37
30M	DFT-S 64QAM	1	1	18.92	18.89	18.88
30M	DFT-S 256QAM	1	1	16.70	16.90	16.54
30M	CP QPSK	1	1	19.87	20.00	19.73

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

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	DFT-S PI/2 BPSK	1	1	21.41	21.45	21.31
20M	DFT-S QPSK	1	1	21.36	21.50	21.38
		1	26	21.36	21.35	21.38
		1	49	21.19	21.36	21.01
		25	0	20.35	20.55	20.26
		25	13	21.26	21.31	21.22
		25	26	20.33	20.40	20.26
		50	0	20.32	20.46	20.28
20M	DFT-S 16QAM	1	1	20.44	20.44	20.33
20M	DFT-S 64QAM	1	1	18.90	18.93	18.89
20M	DFT-S 256QAM	1	1	16.75	16.92	16.61
20M	CP QPSK	1	1	19.91	20.04	19.75

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

7.1.6 NR n66 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		345000	349000	353000
		Frequency (MHz)		1725	1745	1765
30M	DFT-S PI/2 BPSK	1	1	23.26	23.38	23.49
30M	DFT-S QPSK	1	1	23.32	23.41	23.60
		1	80	23.31	23.39	23.51
		1	158	23.26	23.37	23.42
		80	0	22.36	22.37	22.38
		80	40	23.24	23.30	23.33
		80	80	22.20	22.28	22.28
		160	0	22.20	22.20	22.30
30M	DFT-S 16QAM	1	1	22.10	22.12	22.17
30M	DFT-S 64QAM	1	1	20.56	20.56	20.62
30M	DFT-S 256QAM	1	1	18.51	18.54	18.58
30M	CP QPSK	1	1	21.51	21.57	21.65
BW	MCS Index	Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-S PI/2 BPSK	1	1	23.17	23.31	23.40
20M	DFT-S QPSK	1	1	23.29	23.32	23.59
		1	53	23.27	23.36	23.45
		1	104	23.24	23.37	23.37
		50	0	22.36	22.30	22.38
		50	28	23.24	23.26	23.29
		50	56	22.16	22.20	22.23
		100	0	22.12	22.13	22.20
20M	DFT-S 16QAM	1	1	22.06	22.05	22.11
20M	DFT-S 64QAM	1	1	20.56	20.54	20.54
20M	DFT-S 256QAM	1	1	18.45	18.53	18.51
20M	CP QPSK	1	1	21.44	21.57	21.59

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-S PI/2 BPSK	1	1	23.20	23.31	23.39
15M	DFT-S QPSK	1	1	23.31	23.39	23.57
		1	40	23.31	23.31	23.45
		1	77	23.24	23.37	23.36
		36	0	22.29	22.30	22.34
		36	22	23.17	23.25	23.26
		36	43	22.14	22.18	22.18
		75	0	22.15	22.12	22.20
15M	DFT-S 16QAM	1	1	22.05	22.02	22.17
15M	DFT-S 64QAM	1	1	20.49	20.53	20.55
15M	DFT-S 256QAM	1	1	18.41	18.44	18.48
15M	CP QPSK	1	1	21.51	21.49	21.58
BW	MCS Index	Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-S PI/2 BPSK	1	1	23.24	23.37	23.47
10M	DFT-S QPSK	1	1	23.28	23.41	23.51
		1	26	23.28	23.32	23.41
		1	50	23.25	23.28	23.42
		25	0	22.29	22.35	22.30
		25	14	23.14	23.24	23.25
		25	27	22.13	22.19	22.19
		50	0	22.17	22.19	22.23
10M	DFT-S 16QAM	1	1	22.04	22.11	22.07
10M	DFT-S 64QAM	1	1	20.54	20.48	20.56
10M	DFT-S 256QAM	1	1	18.48	18.53	18.57
10M	CP QPSK	1	1	21.42	21.54	21.55

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-S PI/2 BPSK	1	1	23.20	23.33	23.42
5M	DFT-S QPSK	1	1	23.29	23.37	23.59
		1	13	23.23	23.38	23.50
		1	23	23.19	23.31	23.40
		12	0	22.35	22.29	22.33
		12	7	23.15	23.30	23.28
		12	13	22.20	22.28	22.23
		25	0	22.15	22.13	22.23
5M	DFT-S 16QAM	1	1	22.00	22.05	22.17
5M	DFT-S 64QAM	1	1	20.48	20.56	20.52
5M	DFT-S 256QAM	1	1	18.48	18.46	18.53
5M	CP QPSK	1	1	21.41	21.57	21.63

EIRP Power (dBm)

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		345000	349000	353000
		Frequency (MHz)		1725	1745	1765
30M	DFT-S PI/2 BPSK	1	1	23.26	23.38	23.49
30M	DFT-S QPSK	1	1	23.32	23.41	23.60
		1	80	23.31	23.39	23.51
		1	158	23.26	23.37	23.42
		80	0	22.36	22.37	22.38
		80	40	23.24	23.30	23.33
		80	80	22.20	22.28	22.28
		160	0	22.20	22.20	22.30
30M	DFT-S 16QAM	1	1	22.10	22.12	22.17
30M	DFT-S 64QAM	1	1	20.56	20.56	20.62
30M	DFT-S 256QAM	1	1	18.51	18.54	18.58
30M	CP QPSK	1	1	21.51	21.57	21.65
BW	MCS Index	Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-S PI/2 BPSK	1	1	23.17	23.31	23.40
20M	DFT-S QPSK	1	1	23.29	23.32	23.59
		1	53	23.27	23.36	23.45
		1	104	23.24	23.37	23.37
		50	0	22.36	22.30	22.38
		50	28	23.24	23.26	23.29
		50	56	22.16	22.20	22.23
		100	0	22.12	22.13	22.20
20M	DFT-S 16QAM	1	1	22.06	22.05	22.11
20M	DFT-S 64QAM	1	1	20.56	20.54	20.54
20M	DFT-S 256QAM	1	1	18.45	18.53	18.51
20M	CP QPSK	1	1	21.44	21.57	21.59

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

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-S PI/2 BPSK	1	1	23.20	23.31	23.39
15M	DFT-S QPSK	1	1	23.31	23.39	23.57
		1	40	23.31	23.31	23.45
		1	77	23.24	23.37	23.36
		36	0	22.29	22.30	22.34
		36	22	23.17	23.25	23.26
		36	43	22.14	22.18	22.18
		75	0	22.15	22.12	22.20
15M	DFT-S 16QAM	1	1	22.05	22.02	22.17
15M	DFT-S 64QAM	1	1	20.49	20.53	20.55
15M	DFT-S 256QAM	1	1	18.41	18.44	18.48
15M	CP QPSK	1	1	21.51	21.49	21.58
BW	MCS Index	Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-S PI/2 BPSK	1	1	23.24	23.37	23.47
10M	DFT-S QPSK	1	1	23.28	23.41	23.51
		1	26	23.28	23.32	23.41
		1	50	23.25	23.28	23.42
		25	0	22.29	22.35	22.30
		25	14	23.14	23.24	23.25
		25	27	22.13	22.19	22.19
		50	0	22.17	22.19	22.23
10M	DFT-S 16QAM	1	1	22.04	22.11	22.07
10M	DFT-S 64QAM	1	1	20.54	20.48	20.56
10M	DFT-S 256QAM	1	1	18.48	18.53	18.57
10M	CP QPSK	1	1	21.42	21.54	21.55

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

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-S PI/2 BPSK	1	1	23.20	23.33	23.42
5M	DFT-S QPSK	1	1	23.29	23.37	23.59
		1	13	23.23	23.38	23.50
		1	23	23.19	23.31	23.40
		12	0	22.35	22.29	22.33
		12	7	23.15	23.30	23.28
		12	13	22.20	22.28	22.23
		25	0	22.15	22.13	22.23
5M	DFT-S 16QAM	1	1	22.00	22.05	22.17
5M	DFT-S 64QAM	1	1	20.48	20.56	20.52
5M	DFT-S 256QAM	1	1	18.48	18.46	18.53
5M	CP QPSK	1	1	21.41	21.57	21.63

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

7.1.7 NR n71 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134600	136100	137600
		Frequency (MHz)		673	680.5	688
20M	DFT-S PI/2 BPSK	1	1	22.90	22.98	22.95
20M	DFT-S QPSK	1	1	22.99	23.20	23.02
		1	53	22.97	23.05	22.92
		1	104	22.91	22.91	22.93
		50	0	21.92	22.01	21.99
		50	28	22.89	22.97	22.96
		50	56	21.87	21.90	21.91
		100	0	21.75	21.85	21.82
20M	DFT-S 16QAM	1	1	21.66	21.77	21.77
20M	DFT-S 64QAM	1	1	19.87	20.02	20.01
20M	DFT-S 256QAM	1	1	17.74	17.77	17.73
20M	CP QPSK	1	1	21.11	21.22	21.08
BW	MCS Index	Channel		134100	136100	138100
		Frequency (MHz)		670.5	680.5	690.5
15M	DFT-S PI/2 BPSK	1	1	22.86	22.93	22.88
15M	DFT-S QPSK	1	1	22.86	23.09	23.04
		1	40	22.91	22.98	22.94
		1	77	22.85	22.85	22.92
		36	0	21.97	21.98	21.92
		36	22	22.74	22.86	22.81
		36	43	21.82	21.86	21.90
		75	0	21.70	21.81	21.75
15M	DFT-S 16QAM	1	1	22.62	22.71	22.71
15M	DFT-S 64QAM	1	1	19.77	19.92	19.91
15M	DFT-S 256QAM	1	1	17.71	17.77	17.72
15M	CP QPSK	1	1	21.06	21.15	21.07

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133600	136100	138600
		Frequency (MHz)		668	680.5	693
10M	DFT-S PI/2 BPSK	1	1	22.82	23.01	22.84
10M	DFT-S QPSK	1	1	22.91	23.10	23.00
		1	26	22.86	23.01	22.91
		1	50	22.82	22.89	22.93
		25	0	21.96	21.94	21.91
		25	14	22.74	22.86	22.79
		25	27	21.87	21.93	21.86
		50	0	21.72	21.77	21.75
10M	DFT-S 16QAM	1	1	22.57	22.69	22.72
10M	DFT-S 64QAM	1	1	19.82	19.91	19.96
10M	DFT-S 256QAM	1	1	17.75	17.80	17.71
10M	CP QPSK	1	1	21.08	21.17	21.01
BW	MCS Index	Channel		133100	136100	139100
		Frequency (MHz)		665.5	680.5	695.5
5M	DFT-S PI/2 BPSK	1	1	22.86	23.00	22.87
5M	DFT-S QPSK	1	1	22.89	23.03	22.95
		1	13	22.91	22.96	22.98
		1	23	22.87	22.91	22.85
		12	0	21.90	22.01	21.94
		12	7	22.77	22.86	22.71
		12	13	21.87	21.87	21.90
		25	0	21.66	21.82	21.70
5M	DFT-S 16QAM	1	1	22.62	22.69	22.70
5M	DFT-S 64QAM	1	1	19.80	19.91	19.95
5M	DFT-S 256QAM	1	1	17.72	17.70	17.75
5M	CP QPSK	1	1	21.05	21.25	21.08

ERP Power (dBm)

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134600	136100	137600
		Frequency (MHz)		673	680.5	688
20M	DFT-S PI/2 BPSK	1	1	14.55	14.63	14.60
20M	DFT-S QPSK	1	1	14.64	14.85	14.67
		1	53	14.62	14.70	14.57
		1	104	14.56	14.56	14.58
		50	0	13.57	13.66	13.64
		50	28	14.54	14.62	14.61
		50	56	13.52	13.55	13.56
		100	0	13.40	13.50	13.47
20M	DFT-S 16QAM	1	1	13.31	13.42	13.42
20M	DFT-S 64QAM	1	1	11.52	11.67	11.66
20M	DFT-S 256QAM	1	1	9.39	9.42	9.38
20M	CP QPSK	1	1	12.76	12.87	12.73
BW	MCS Index	Channel		134100	136100	138100
		Frequency (MHz)		670.5	680.5	690.5
15M	DFT-S PI/2 BPSK	1	1	14.51	14.58	14.53
15M	DFT-S QPSK	1	1	14.51	14.74	14.69
		1	40	14.56	14.63	14.59
		1	77	14.50	14.50	14.57
		36	0	13.62	13.63	13.57
		36	22	14.39	14.51	14.46
		36	43	13.47	13.51	13.55
		75	0	13.35	13.46	13.40
15M	DFT-S 16QAM	1	1	14.27	14.36	14.36
15M	DFT-S 64QAM	1	1	11.42	11.57	11.56
15M	DFT-S 256QAM	1	1	9.36	9.42	9.37
15M	CP QPSK	1	1	12.71	12.80	12.72

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

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133600	136100	138600
		Frequency (MHz)		668	680.5	693
10M	DFT-S PI/2 BPSK	1	1	14.47	14.66	14.49
10M	DFT-S QPSK	1	1	14.56	14.75	14.65
		1	26	14.51	14.66	14.56
		1	50	14.47	14.54	14.58
		25	0	13.61	13.59	13.56
		25	14	14.39	14.51	14.44
		25	27	13.52	13.58	13.51
		50	0	13.37	13.42	13.40
10M	DFT-S 16QAM	1	1	14.22	14.34	14.37
10M	DFT-S 64QAM	1	1	11.47	11.56	11.61
10M	DFT-S 256QAM	1	1	9.40	9.45	9.36
10M	CP QPSK	1	1	12.73	12.82	12.66
BW	MCS Index	Channel		133100	136100	139100
		Frequency (MHz)		665.5	680.5	695.5
5M	DFT-S PI/2 BPSK	1	1	14.51	14.65	14.52
5M	DFT-S QPSK	1	1	14.54	14.68	14.60
		1	13	14.56	14.61	14.63
		1	23	14.52	14.56	14.50
		12	0	13.55	13.66	13.59
		12	7	14.42	14.51	14.36
		12	13	13.52	13.52	13.55
		25	0	13.31	13.47	13.35
5M	DFT-S 16QAM	1	1	14.27	14.34	14.35
5M	DFT-S 64QAM	1	1	11.45	11.56	11.60
5M	DFT-S 256QAM	1	1	9.37	9.35	9.40
5M	CP QPSK	1	1	12.70	12.90	12.73

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

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

Conducted Output Power (dBm)

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Mid		
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-S PI/2 BPSK	1	1	25.98		
100M	DFT-S QPSK	1	1	26.02		
		1	137	25.98		
		1	271	25.95		
		135	0	25.10		
		135	69	25.90		
		135	138	25.08		
		270	0	24.98		
100M	DFT-S 16QAM	1	1	25.02		
100M	DFT-S 64QAM	1	1	23.50		
100M	DFT-S 256QAM	1	1	21.55		
100M	CP QPSK	1	1	24.47		
BW	MCS Index	Channel		632668	633334	63400
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	25.92	25.94	25.90
80M	DFT-S QPSK	1	1	25.98	26.00	25.97
		1	109	25.94	25.95	25.93
		1	215	25.88	25.91	25.86
		108	0	25.05	25.02	25.00
		108	55	25.87	25.89	25.85
		108	109	24.99	25.01	24.97
		216	0	24.88	24.93	24.88
80M	DFT-S 16QAM	1	1	24.92	24.94	24.97
80M	DFT-S 64QAM	1	1	23.43	23.40	23.45
80M	DFT-S 256QAM	1	1	21.53	21.47	21.53
80M	CP QPSK	1	1	24.37	24.45	24.37

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	25.87	25.85	25.85
60M	DFT-S QPSK	1	1	25.94	25.97	25.97
		1	81	25.85	25.89	25.93
		1	160	25.78	25.91	25.81
		81	0	24.98	25.00	24.98
		81	41	25.78	25.79	25.76
		81	81	24.99	24.96	24.92
		162	0	24.81	24.84	24.82
60M	DFT-S 16QAM	1	1	24.84	24.88	24.89
60M	DFT-S 64QAM	1	1	23.35	23.35	23.42
60M	DFT-S 256QAM	1	1	21.50	21.45	21.46
60M	CP QPSK	1	1	24.30	24.36	24.31
BW	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	25.91	25.91	25.84
40M	DFT-S QPSK	1	1	25.96	25.92	25.91
		1	53	25.86	25.89	25.88
		1	104	25.84	25.87	25.83
		50	0	24.98	24.92	24.99
		50	28	25.83	25.86	25.75
		50	56	24.95	24.91	24.87
		100	0	24.81	24.84	24.79
40M	DFT-S 16QAM	1	1	24.83	24.90	24.90
40M	DFT-S 64QAM	1	1	23.38	23.33	23.45
40M	DFT-S 256QAM	1	1	21.48	21.43	21.51
40M	CP QPSK	1	1	24.31	24.38	24.36

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	25.89	25.89	25.89
30M	DFT-S QPSK	1	1	25.95	26.00	25.93
		1	39	25.93	25.92	25.83
		1	76	25.87	25.90	25.85
		36	0	24.96	25.02	24.92
		36	21	25.87	25.81	25.83
		36	42	24.92	24.97	24.97
		75	0	24.86	24.85	24.79
30M	DFT-S 16QAM	1	1	24.83	24.88	24.89
30M	DFT-S 64QAM	1	1	23.43	23.37	23.38
30M	DFT-S 256QAM	1	1	21.53	21.37	21.53
30M	CP QPSK	1	1	24.37	24.40	24.28
BW	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	25.84	25.85	25.89
20M	DFT-S QPSK	1	1	25.92	25.98	25.90
		1	26	25.88	25.85	25.84
		1	49	25.83	25.82	25.79
		25	0	25.03	24.97	24.95
		25	13	25.77	25.88	25.83
		25	26	24.97	24.91	24.90
		50	0	24.80	24.92	24.83
20M	DFT-S 16QAM	1	1	24.87	24.92	24.96
20M	DFT-S 64QAM	1	1	23.40	23.39	23.42
20M	DFT-S 256QAM	1	1	21.49	21.41	21.50
20M	CP QPSK	1	1	24.34	24.40	24.36

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Mid		
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-S PI/2 BPSK	1	1	24.35		
100M	DFT-S QPSK	1	1	24.53		
		1	137	24.41		
		1	271	24.32		
		135	0	23.44		
		135	69	23.93		
		135	138	23.35		
		270	0	23.28		
100M	DFT-S 16QAM	1	1	23.25		
100M	DFT-S 64QAM	1	1	22.01		
100M	DFT-S 256QAM	1	1	20.05		
100M	CP QPSK	1	1	23.11		
BW	MCS Index	Channel		632668	633334	63400
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	24.27	24.34	24.19
80M	DFT-S QPSK	1	1	24.46	24.48	24.37
		1	109	24.36	24.41	24.34
		1	215	24.21	24.26	24.21
		108	0	23.31	23.40	23.30
		108	55	23.75	23.83	23.67
		108	109	23.24	23.32	23.15
		216	0	23.29	23.28	23.20
80M	DFT-S 16QAM	1	1	23.39	23.45	23.36
80M	DFT-S 64QAM	1	1	21.85	21.87	21.77
80M	DFT-S 256QAM	1	1	19.73	19.82	19.69
80M	CP QPSK	1	1	22.81	22.84	22.75

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	24.25	24.29	24.16
60M	DFT-S QPSK	1	1	24.38	24.39	24.33
		1	81	24.28	24.38	24.28
		1	160	24.13	24.16	24.12
		81	0	23.21	23.33	23.22
		81	41	23.74	23.79	23.59
		81	81	23.21	23.27	23.10
		162	0	23.25	23.32	23.10
60M	DFT-S 16QAM	1	1	23.38	23.38	23.35
60M	DFT-S 64QAM	1	1	21.77	21.85	21.76
60M	DFT-S 256QAM	1	1	19.61	19.70	19.69
60M	CP QPSK	1	1	22.72	22.80	22.80
BW	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	24.26	24.28	24.12
40M	DFT-S QPSK	1	1	24.37	24.43	24.33
		1	53	24.28	24.39	24.34
		1	104	24.20	24.19	24.15
		50	0	23.22	23.38	23.23
		50	28	23.71	23.77	23.67
		50	56	23.24	23.31	23.05
		100	0	23.26	23.26	23.13
40M	DFT-S 16QAM	1	1	23.40	23.46	23.32
40M	DFT-S 64QAM	1	1	21.76	21.87	21.83
40M	DFT-S 256QAM	1	1	19.68	19.76	19.65
40M	CP QPSK	1	1	22.74	22.87	22.70

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	24.25	24.33	24.17
30M	DFT-S QPSK	1	1	24.37	24.39	24.33
		1	39	24.29	24.35	24.32
		1	76	24.13	24.23	24.12
		36	0	23.21	23.36	23.25
		36	21	23.73	23.80	23.63
		36	42	23.24	23.26	23.11
		75	0	23.27	23.28	23.17
30M	DFT-S 16QAM	1	1	23.41	23.40	23.31
30M	DFT-S 64QAM	1	1	21.81	21.91	21.76
30M	DFT-S 256QAM	1	1	19.62	19.66	19.67
30M	CP QPSK	1	1	22.77	22.89	22.73
BW	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	24.26	24.28	24.12
20M	DFT-S QPSK	1	1	24.44	24.46	24.27
		1	26	24.34	24.39	24.25
		1	49	24.15	24.18	24.11
		25	0	23.22	23.31	23.25
		25	13	23.65	23.75	23.60
		25	26	23.15	23.32	23.06
		50	0	23.26	23.31	23.13
20M	DFT-S 16QAM	1	1	23.36	23.39	23.33
20M	DFT-S 64QAM	1	1	21.80	21.86	21.78
20M	DFT-S 256QAM	1	1	19.69	19.75	19.63
20M	CP QPSK	1	1	22.71	22.86	22.70

EIRP Power (dBm)

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Mid		
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-S PI/2 BPSK	1	1	23.98		
100M	DFT-S QPSK	1	1	24.02		
		1	137	23.98		
		1	271	23.95		
		135	0	23.10		
		135	69	23.90		
		135	138	23.08		
		270	0	22.98		
100M	DFT-S 16QAM	1	1	23.02		
100M	DFT-S 64QAM	1	1	21.50		
100M	DFT-S 256QAM	1	1	19.55		
100M	CP QPSK	1	1	22.47		
BW	MCS Index	Channel		632668	633334	63400
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	23.92	23.94	23.90
80M	DFT-S QPSK	1	1	23.98	24.00	23.97
		1	109	23.94	23.95	23.93
		1	215	23.88	23.91	23.86
		108	0	23.05	23.02	23.00
		108	55	23.87	23.89	23.85
		108	109	22.99	23.01	22.97
		216	0	22.88	22.93	22.88
80M	DFT-S 16QAM	1	1	22.92	22.94	22.97
80M	DFT-S 64QAM	1	1	21.43	21.40	21.45
80M	DFT-S 256QAM	1	1	19.53	19.47	19.53
80M	CP QPSK	1	1	22.37	22.45	22.37

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

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	23.87	23.85	23.85
60M	DFT-S QPSK	1	1	23.94	23.97	23.97
		1	81	23.85	23.89	23.93
		1	160	23.78	23.91	23.81
		81	0	22.98	23.00	22.98
		81	41	23.78	23.79	23.76
		81	81	22.99	22.96	22.92
		162	0	22.81	22.84	22.82
60M	DFT-S 16QAM	1	1	22.84	22.88	22.89
60M	DFT-S 64QAM	1	1	21.35	21.35	21.42
60M	DFT-S 256QAM	1	1	19.50	19.45	19.46
60M	CP QPSK	1	1	22.30	22.36	22.31
BW	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	23.91	23.91	23.84
40M	DFT-S QPSK	1	1	23.96	23.92	23.91
		1	53	23.86	23.89	23.88
		1	104	23.84	23.87	23.83
		50	0	22.98	22.92	22.99
		50	28	23.83	23.86	23.75
		50	56	22.95	22.91	22.87
		100	0	22.81	22.84	22.79
40M	DFT-S 16QAM	1	1	22.83	22.90	22.90
40M	DFT-S 64QAM	1	1	21.38	21.33	21.45
40M	DFT-S 256QAM	1	1	19.48	19.43	19.51
40M	CP QPSK	1	1	22.31	22.38	22.36

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

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	23.89	23.89	23.89
30M	DFT-S QPSK	1	1	23.95	24.00	23.93
		1	39	23.93	23.92	23.83
		1	76	23.87	23.90	23.85
		36	0	22.96	23.02	22.92
		36	21	23.87	23.81	23.83
		36	42	22.92	22.97	22.97
		75	0	22.86	22.85	22.79
30M	DFT-S 16QAM	1	1	22.83	22.88	22.89
30M	DFT-S 64QAM	1	1	21.43	21.37	21.38
30M	DFT-S 256QAM	1	1	19.53	19.37	19.53
30M	CP QPSK	1	1	22.37	22.40	22.28
BW	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	23.84	23.85	23.89
20M	DFT-S QPSK	1	1	23.92	23.98	23.90
		1	26	23.88	23.85	23.84
		1	49	23.83	23.82	23.79
		25	0	23.03	22.97	22.95
		25	13	23.77	23.88	23.83
		25	26	22.97	22.91	22.90
		50	0	22.80	22.92	22.83
20M	DFT-S 16QAM	1	1	22.87	22.92	22.96
20M	DFT-S 64QAM	1	1	21.40	21.39	21.42
20M	DFT-S 256QAM	1	1	19.49	19.41	19.50
20M	CP QPSK	1	1	22.34	22.40	22.36

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

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Mid		
		Channel		633334		
		Frequency (MHz)		3500.01		
100M	DFT-S PI/2 BPSK	1	1	22.35		
100M	DFT-S QPSK	1	1	22.53		
		1	137	22.41		
		1	271	22.32		
		135	0	21.44		
		135	69	21.93		
		135	138	21.35		
		270	0	21.28		
100M	DFT-S 16QAM	1	1	21.25		
100M	DFT-S 64QAM	1	1	20.01		
100M	DFT-S 256QAM	1	1	18.05		
100M	CP QPSK	1	1	21.11		
BW	MCS Index	Channel		632668	633334	63400
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	22.27	22.34	22.19
80M	DFT-S QPSK	1	1	22.46	22.48	22.37
		1	109	22.36	22.41	22.34
		1	215	22.21	22.26	22.21
		108	0	21.31	21.40	21.30
		108	55	21.75	21.83	21.67
		108	109	21.24	21.32	21.15
		216	0	21.29	21.28	21.20
80M	DFT-S 16QAM	1	1	21.39	21.45	21.36
80M	DFT-S 64QAM	1	1	19.85	19.87	19.77
80M	DFT-S 256QAM	1	1	17.73	17.82	17.69
80M	CP QPSK	1	1	20.81	20.84	20.75

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

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	22.25	22.29	22.16
60M	DFT-S QPSK	1	1	22.38	22.39	22.33
		1	81	22.28	22.38	22.28
		1	160	22.13	22.16	22.12
		81	0	21.21	21.33	21.22
		81	41	21.74	21.79	21.59
		81	81	21.21	21.27	21.10
		162	0	21.25	21.32	21.10
60M	DFT-S 16QAM	1	1	21.38	21.38	21.35
60M	DFT-S 64QAM	1	1	19.77	19.85	19.76
60M	DFT-S 256QAM	1	1	17.61	17.70	17.69
60M	CP QPSK	1	1	20.72	20.80	20.80
BW	MCS Index	Channel		631334	633334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	22.26	22.28	22.12
40M	DFT-S QPSK	1	1	22.37	22.43	22.33
		1	53	22.28	22.39	22.34
		1	104	22.20	22.19	22.15
		50	0	21.22	21.38	21.23
		50	28	21.71	21.77	21.67
		50	56	21.24	21.31	21.05
		100	0	21.26	21.26	21.13
40M	DFT-S 16QAM	1	1	21.40	21.46	21.32
40M	DFT-S 64QAM	1	1	19.76	19.87	19.83
40M	DFT-S 256QAM	1	1	17.68	17.76	17.65
40M	CP QPSK	1	1	20.74	20.87	20.70

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

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequency (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	22.25	22.33	22.17
30M	DFT-S QPSK	1	1	22.37	22.39	22.33
		1	39	22.29	22.35	22.32
		1	76	22.13	22.23	22.12
		36	0	21.21	21.36	21.25
		36	21	21.73	21.80	21.63
		36	42	21.24	21.26	21.11
		75	0	21.27	21.28	21.17
30M	DFT-S 16QAM	1	1	21.41	21.40	21.31
30M	DFT-S 64QAM	1	1	19.81	19.91	19.76
30M	DFT-S 256QAM	1	1	17.62	17.66	17.67
30M	CP QPSK	1	1	20.77	20.89	20.73
BW	MCS Index	Channel		630668	633334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	22.26	22.28	22.12
20M	DFT-S QPSK	1	1	22.44	22.46	22.27
		1	26	22.34	22.39	22.25
		1	49	22.15	22.18	22.11
		25	0	21.22	21.31	21.25
		25	13	21.65	21.75	21.60
		25	26	21.15	21.32	21.06
		50	0	21.26	21.31	21.13
20M	DFT-S 16QAM	1	1	21.36	21.39	21.33
20M	DFT-S 64QAM	1	1	19.80	19.86	19.78
20M	DFT-S 256QAM	1	1	17.69	17.75	17.63
20M	CP QPSK	1	1	20.71	20.86	20.70

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

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

Conducted Output Power (dBm)

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	26.02	25.93	25.88
100M	DFT-S QPSK	1	1	26.12	25.97	25.92
		1	137	26.05	25.95	25.89
		1	271	25.99	25.91	25.85
		135	0	25.14	25.06	24.96
		135	69	25.93	25.87	25.85
		135	138	25.11	25.03	24.93
		270	0	25.09	24.95	24.92
100M	DFT-S 16QAM	1	1	25.02	24.98	24.88
100M	DFT-S 64QAM	1	1	23.51	23.46	23.33
100M	DFT-S 256QAM	1	1	21.55	21.50	21.40
100M	CP QPSK	1	1	24.48	24.45	24.37
BW	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	25.94	25.93	25.82
80M	DFT-S QPSK	1	1	26.11	25.91	25.88
		1	109	25.96	25.87	25.83
		1	215	25.98	25.86	25.81
		108	0	25.05	25.02	24.95
		108	55	25.86	25.84	25.81
		108	109	25.07	24.96	24.93
		216	0	25.06	24.85	24.89
80M	DFT-S 16QAM	1	1	25.01	24.94	24.83
80M	DFT-S 64QAM	1	1	23.43	23.41	23.31
80M	DFT-S 256QAM	1	1	21.54	21.46	21.33
80M	CP QPSK	1	1	24.40	24.36	24.34

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	25.97	25.86	25.80
60M	DFT-S QPSK	1	1	26.04	25.87	25.83
		1	81	25.97	25.91	25.85
		1	160	25.95	25.82	25.85
		81	0	25.07	25.01	24.91
		81	41	25.86	25.80	25.80
		81	81	25.01	24.98	24.83
		162	0	25.08	24.91	24.89
60M	DFT-S 16QAM	1	1	24.96	24.94	24.81
60M	DFT-S 64QAM	1	1	23.48	23.43	23.26
60M	DFT-S 256QAM	1	1	21.45	21.47	21.30
60M	CP QPSK	1	1	24.44	24.42	24.28
BW	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	25.94	25.90	25.88
40M	DFT-S QPSK	1	1	26.09	25.89	25.88
		1	53	26.05	25.91	25.80
		1	104	25.89	25.89	25.77
		50	0	25.10	24.99	24.91
		50	28	25.93	25.84	25.83
		50	56	25.09	25.01	24.89
		100	0	25.00	24.86	24.82
40M	DFT-S 16QAM	1	1	24.92	24.95	24.79
40M	DFT-S 64QAM	1	1	23.43	23.39	23.33
40M	DFT-S 256QAM	1	1	21.54	21.48	21.34
40M	CP QPSK	1	1	24.38	24.40	24.31

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	26.01	25.88	25.87
30M	DFT-S QPSK	1	1	26.07	25.90	25.89
		1	39	26.04	25.85	25.81
		1	76	25.95	25.83	25.79
		36	0	25.13	25.00	24.89
		36	21	25.88	25.83	25.82
		36	42	25.11	25.00	24.87
		75	0	25.04	24.86	24.83
30M	DFT-S 16QAM	1	1	25.00	24.95	24.78
30M	DFT-S 64QAM	1	1	23.46	23.38	23.24
30M	DFT-S 256QAM	1	1	21.49	21.49	21.38
30M	CP QPSK	1	1	24.39	24.38	24.36
BW	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	26.02	25.90	25.87
20M	DFT-S QPSK	1	1	26.05	25.97	25.88
		1	26	26.03	25.88	25.85
		1	49	25.94	25.86	25.81
		25	0	25.13	25.03	24.91
		25	13	25.92	25.79	25.82
		25	26	25.10	25.03	24.86
		50	0	25.04	24.87	24.82
20M	DFT-S 16QAM	1	1	24.98	24.98	24.83
20M	DFT-S 64QAM	1	1	23.42	23.36	23.23
20M	DFT-S 256QAM	1	1	21.54	21.44	21.31
20M	CP QPSK	1	1	24.46	24.37	24.34

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	24.04	24.32	24.18
100M	DFT-S QPSK	1	1	24.14	24.44	24.31
		1	137	24.08	24.35	24.22
		1	271	24.01	24.28	24.12
		135	0	23.15	23.36	23.28
		135	69	24.02	24.30	24.15
		135	138	23.08	23.27	23.11
		270	0	22.97	23.20	22.93
100M	DFT-S 16QAM	1	1	23.05	23.18	23.05
100M	DFT-S 64QAM	1	1	21.82	22.01	21.85
100M	DFT-S 256QAM	1	1	19.78	19.97	19.82
100M	CP QPSK	1	1	22.81	22.97	22.81
BW	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	23.98	24.28	24.14
80M	DFT-S QPSK	1	1	24.11	24.42	24.21
		1	109	24.08	24.26	24.18
		1	215	23.91	24.19	24.06
		108	0	23.08	23.35	23.20
		108	55	24.00	24.30	24.06
		108	109	22.99	23.27	23.08
		216	0	22.94	23.29	23.18
80M	DFT-S 16QAM	1	1	23.13	23.41	23.28
80M	DFT-S 64QAM	1	1	21.58	21.84	21.64
80M	DFT-S 256QAM	1	1	19.45	19.71	19.60
80M	CP QPSK	1	1	22.55	22.86	22.68

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	23.94	24.23	24.09
60M	DFT-S QPSK	1	1	24.04	24.39	24.24
		1	81	24.08	24.35	24.17
		1	160	23.93	24.24	24.03
		81	0	23.05	23.36	23.20
		81	41	23.97	24.30	24.14
		81	81	23.05	23.20	23.09
		162	0	23.02	23.28	23.08
60M	DFT-S 16QAM	1	1	23.10	23.34	23.26
60M	DFT-S 64QAM	1	1	21.54	21.78	21.72
60M	DFT-S 256QAM	1	1	19.43	19.70	19.58
60M	CP QPSK	1	1	22.60	22.79	22.78
BW	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	23.98	24.24	24.11
40M	DFT-S QPSK	1	1	24.06	24.36	24.24
		1	53	24.00	24.32	24.22
		1	104	24.00	24.22	24.04
		50	0	23.08	23.26	23.27
		50	28	24.00	24.28	24.08
		50	56	23.02	23.23	23.03
		100	0	22.96	23.27	23.16
40M	DFT-S 16QAM	1	1	23.14	23.43	23.28
40M	DFT-S 64QAM	1	1	21.53	21.75	21.62
40M	DFT-S 256QAM	1	1	19.42	19.70	19.52
40M	CP QPSK	1	1	22.62	22.77	22.76

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	23.97	24.27	24.18
30M	DFT-S QPSK	1	1	24.12	24.38	24.23
		1	39	24.02	24.30	24.18
		1	76	23.93	24.26	24.09
		36	0	23.06	23.36	23.20
		36	21	23.94	24.25	24.05
		36	42	23.00	23.17	23.03
		75	0	23.00	23.26	23.14
30M	DFT-S 16QAM	1	1	23.14	23.36	23.29
30M	DFT-S 64QAM	1	1	21.55	21.76	21.62
30M	DFT-S 256QAM	1	1	19.43	19.70	19.62
30M	CP QPSK	1	1	22.59	22.78	22.68
BW	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	23.98	24.24	24.15
20M	DFT-S QPSK	1	1	24.08	24.37	24.27
		1	26	24.07	24.34	24.13
		1	49	23.96	24.21	24.10
		25	0	23.11	23.36	23.24
		25	13	23.92	24.26	24.12
		25	26	23.02	23.20	23.03
		50	0	23.04	23.22	23.09
20M	DFT-S 16QAM	1	1	23.13	23.37	23.30
20M	DFT-S 64QAM	1	1	21.53	21.81	21.67
20M	DFT-S 256QAM	1	1	19.42	19.77	19.59
20M	CP QPSK	1	1	22.62	22.82	22.70

EIRP Power (dBm)

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	24.02	23.93	23.88
100M	DFT-S QPSK	1	1	24.12	23.97	23.92
		1	137	24.05	23.95	23.89
		1	271	23.99	23.91	23.85
		135	0	23.14	23.06	22.96
		135	69	23.93	23.87	23.85
		135	138	23.11	23.03	22.93
		270	0	23.09	22.95	22.92
100M	DFT-S 16QAM	1	1	23.02	22.98	22.88
100M	DFT-S 64QAM	1	1	21.51	21.46	21.33
100M	DFT-S 256QAM	1	1	19.55	19.50	19.40
100M	CP QPSK	1	1	22.48	22.45	22.37
BW	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	23.94	23.93	23.82
80M	DFT-S QPSK	1	1	24.11	23.91	23.88
		1	109	23.96	23.87	23.83
		1	215	23.98	23.86	23.81
		108	0	23.05	23.02	22.95
		108	55	23.86	23.84	23.81
		108	109	23.07	22.96	22.93
		216	0	23.06	22.85	22.89
80M	DFT-S 16QAM	1	1	23.01	22.94	22.83
80M	DFT-S 64QAM	1	1	21.43	21.41	21.31
80M	DFT-S 256QAM	1	1	19.54	19.46	19.33
80M	CP QPSK	1	1	22.40	22.36	22.34

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

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	23.97	23.86	23.80
60M	DFT-S QPSK	1	1	24.04	23.87	23.83
		1	81	23.97	23.91	23.85
		1	160	23.95	23.82	23.85
		81	0	23.07	23.01	22.91
		81	41	23.86	23.80	23.80
		81	81	23.01	22.98	22.83
		162	0	23.08	22.91	22.89
60M	DFT-S 16QAM	1	1	22.96	22.94	22.81
60M	DFT-S 64QAM	1	1	21.48	21.43	21.26
60M	DFT-S 256QAM	1	1	19.45	19.47	19.30
60M	CP QPSK	1	1	22.44	22.42	22.28
BW	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	23.94	23.90	23.88
40M	DFT-S QPSK	1	1	24.09	23.89	23.88
		1	53	24.05	23.91	23.80
		1	104	23.89	23.89	23.77
		50	0	23.10	22.99	22.91
		50	28	23.93	23.84	23.83
		50	56	23.09	23.01	22.89
		100	0	23.00	22.86	22.82
40M	DFT-S 16QAM	1	1	22.92	22.95	22.79
40M	DFT-S 64QAM	1	1	21.43	21.39	21.33
40M	DFT-S 256QAM	1	1	19.54	19.48	19.34
40M	CP QPSK	1	1	22.38	22.40	22.31

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

NR Band 77 (Power class II)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	24.01	23.88	23.87
30M	DFT-S QPSK	1	1	24.07	23.90	23.89
		1	39	24.04	23.85	23.81
		1	76	23.95	23.83	23.79
		36	0	23.13	23.00	22.89
		36	21	23.88	23.83	23.82
		36	42	23.11	23.00	22.87
		75	0	23.04	22.86	22.83
30M	DFT-S 16QAM	1	1	23.00	22.95	22.78
30M	DFT-S 64QAM	1	1	21.46	21.38	21.24
30M	DFT-S 256QAM	1	1	19.49	19.49	19.38
30M	CP QPSK	1	1	22.39	22.38	22.36
BW	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	24.02	23.90	23.87
20M	DFT-S QPSK	1	1	24.05	23.97	23.88
		1	26	24.03	23.88	23.85
		1	49	23.94	23.86	23.81
		25	0	23.13	23.03	22.91
		25	13	23.92	23.79	23.82
		25	26	23.10	23.03	22.86
		50	0	23.04	22.87	22.82
20M	DFT-S 16QAM	1	1	22.98	22.98	22.83
20M	DFT-S 64QAM	1	1	21.42	21.36	21.23
20M	DFT-S 256QAM	1	1	19.54	19.44	19.31
20M	CP QPSK	1	1	22.46	22.37	22.34

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

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequency (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	22.04	22.32	22.18
100M	DFT-S QPSK	1	1	22.14	22.44	22.31
		1	137	22.08	22.35	22.22
		1	271	22.01	22.28	22.12
		135	0	21.15	21.36	21.28
		135	69	22.02	22.30	22.15
		135	138	21.08	21.27	21.11
		270	0	20.97	21.20	20.93
100M	DFT-S 16QAM	1	1	21.05	21.18	21.05
100M	DFT-S 64QAM	1	1	19.82	20.01	19.85
100M	DFT-S 256QAM	1	1	17.78	17.97	17.82
100M	CP QPSK	1	1	20.81	20.97	20.81
BW	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	21.98	22.28	22.14
80M	DFT-S QPSK	1	1	22.11	22.42	22.21
		1	109	22.08	22.26	22.18
		1	215	21.91	22.19	22.06
		108	0	21.08	21.35	21.20
		108	55	22.00	22.30	22.06
		108	109	20.99	21.27	21.08
		216	0	20.94	21.29	21.18
80M	DFT-S 16QAM	1	1	21.13	21.41	21.28
80M	DFT-S 64QAM	1	1	19.58	19.84	19.64
80M	DFT-S 256QAM	1	1	17.45	17.71	17.60
80M	CP QPSK	1	1	20.55	20.86	20.68

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

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	21.94	22.23	22.09
60M	DFT-S QPSK	1	1	22.04	22.39	22.24
		1	81	22.08	22.35	22.17
		1	160	21.93	22.24	22.03
		81	0	21.05	21.36	21.20
		81	41	21.97	22.30	22.14
		81	81	21.05	21.20	21.09
		162	0	21.02	21.28	21.08
60M	DFT-S 16QAM	1	1	21.10	21.34	21.26
60M	DFT-S 64QAM	1	1	19.54	19.78	19.72
60M	DFT-S 256QAM	1	1	17.43	17.70	17.58
60M	CP QPSK	1	1	20.60	20.79	20.78
BW	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	21.98	22.24	22.11
40M	DFT-S QPSK	1	1	22.06	22.36	22.24
		1	53	22.00	22.32	22.22
		1	104	22.00	22.22	22.04
		50	0	21.08	21.26	21.27
		50	28	22.00	22.28	22.08
		50	56	21.02	21.23	21.03
		100	0	20.96	21.27	21.16
40M	DFT-S 16QAM	1	1	21.14	21.43	21.28
40M	DFT-S 64QAM	1	1	19.53	19.75	19.62
40M	DFT-S 256QAM	1	1	17.42	17.70	17.52
40M	CP QPSK	1	1	20.62	20.77	20.76

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

NR Band 77 (Power class III)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequency (MHz)		3715.02	3840	3964.98
30M	DFT-S PI/2 BPSK	1	1	21.97	22.27	22.18
30M	DFT-S QPSK	1	1	22.12	22.38	22.23
		1	39	22.02	22.30	22.18
		1	76	21.93	22.26	22.09
		36	0	21.06	21.36	21.20
		36	21	21.94	22.25	22.05
		36	42	21.00	21.17	21.03
		75	0	21.00	21.26	21.14
30M	DFT-S 16QAM	1	1	21.14	21.36	21.29
30M	DFT-S 64QAM	1	1	19.55	19.76	19.62
30M	DFT-S 256QAM	1	1	17.43	17.70	17.62
30M	CP QPSK	1	1	20.59	20.78	20.68
BW	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	21.98	22.24	22.15
20M	DFT-S QPSK	1	1	22.08	22.37	22.27
		1	26	22.07	22.34	22.13
		1	49	21.96	22.21	22.10
		25	0	21.11	21.36	21.24
		25	13	21.92	22.26	22.12
		25	26	21.02	21.20	21.03
		50	0	21.04	21.22	21.09
20M	DFT-S 16QAM	1	1	21.13	21.37	21.30
20M	DFT-S 64QAM	1	1	19.53	19.81	19.67
20M	DFT-S 256QAM	1	1	17.42	17.77	17.59
20M	CP QPSK	1	1	20.62	20.82	20.70

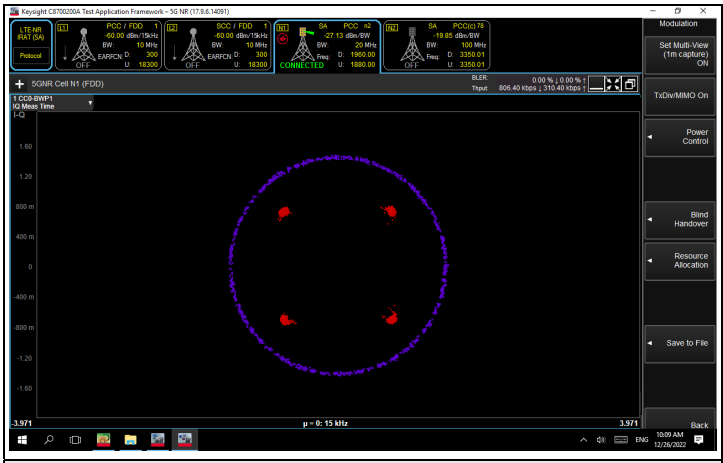
*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

7.2 Modulation Characteristics

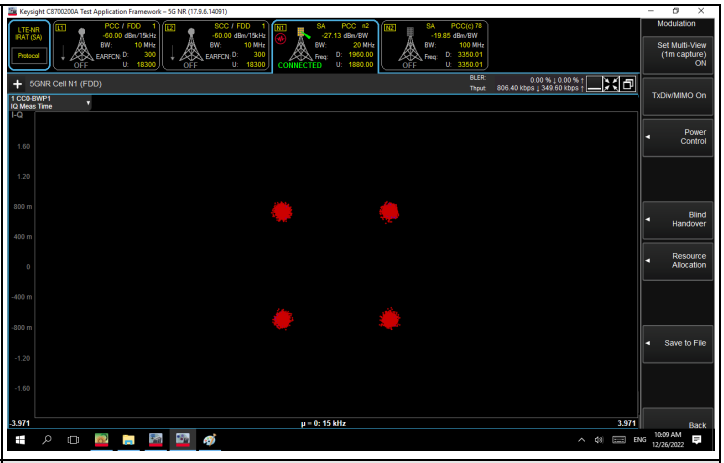
Input Power:	3.87 Vdc	Environmental Conditions:	21°C, 70% RH	Tested By:	James Yang

7.2.1 NR n2 SCS 15 kHz

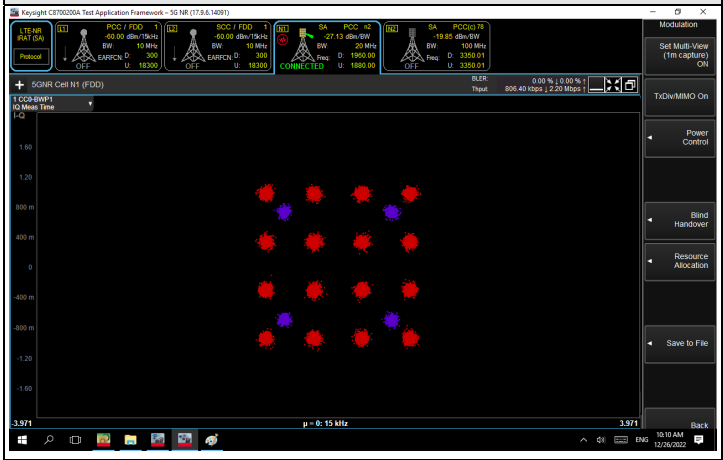
NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz



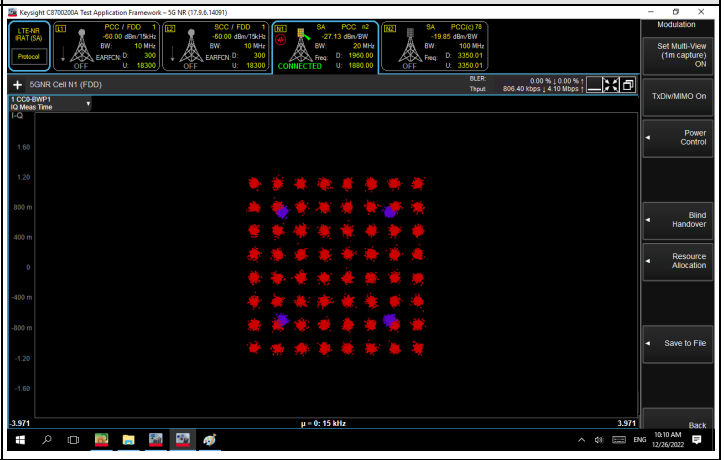
BPSK CH 376000 (1880 MHz)



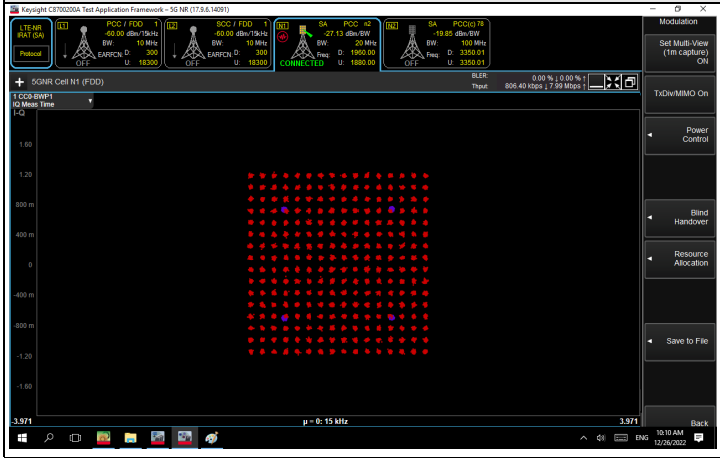
QPSK CH 376000 (1880 MHz)



16QAM CH 376000 (1880 MHz)



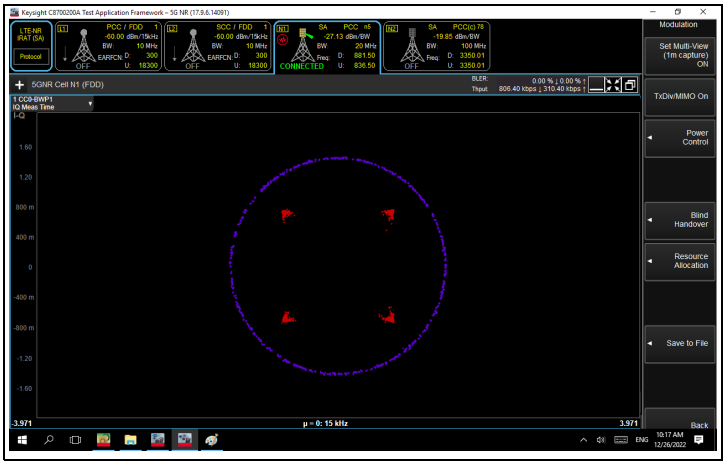
64QAM CH 376000 (1880 MHz)



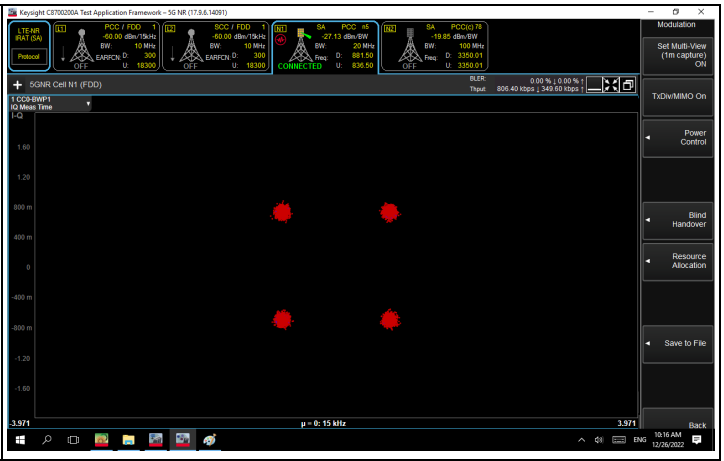
256QAM CH 376000 (1880 MHz)

7.2.2 NR n5 SCS 15 kHz

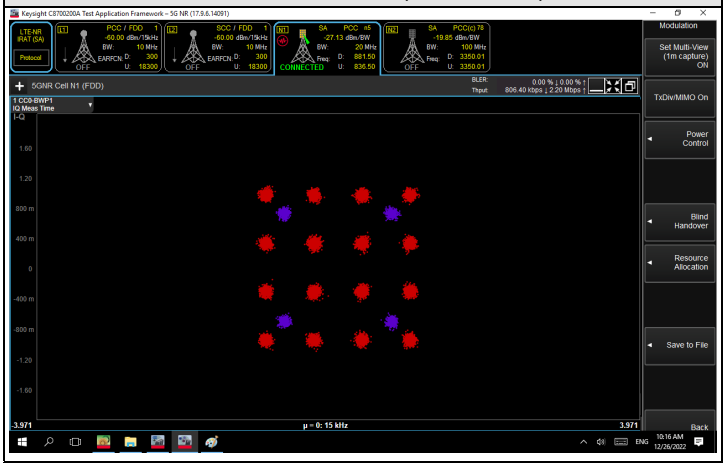
NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz



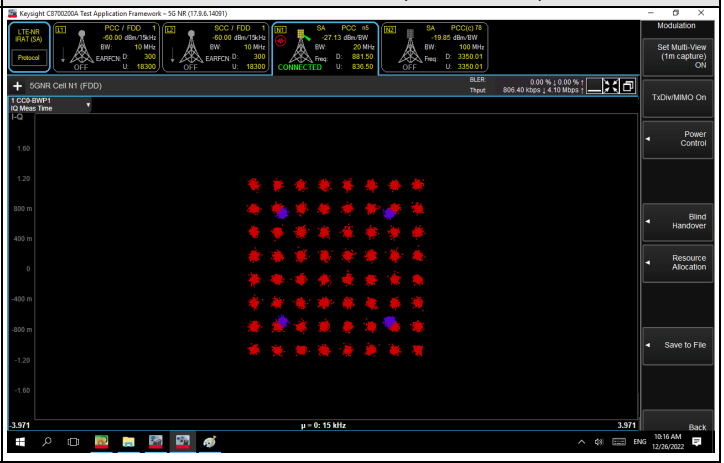
BPSK CH 167300 (836.5 MHz)



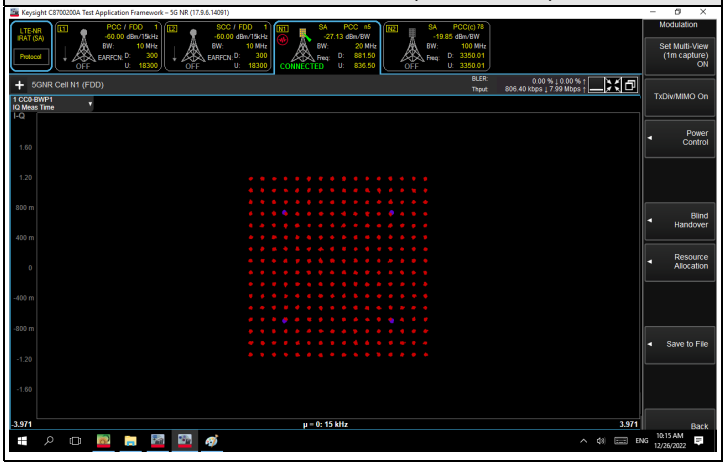
QPSK CH 167300 (836.5 MHz)



16QAM CH 167300 (836.5 MHz)



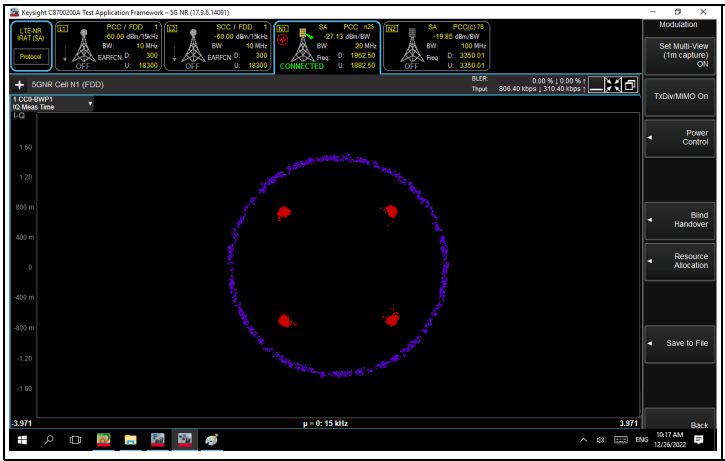
64QAM CH 167300 (836.5 MHz)



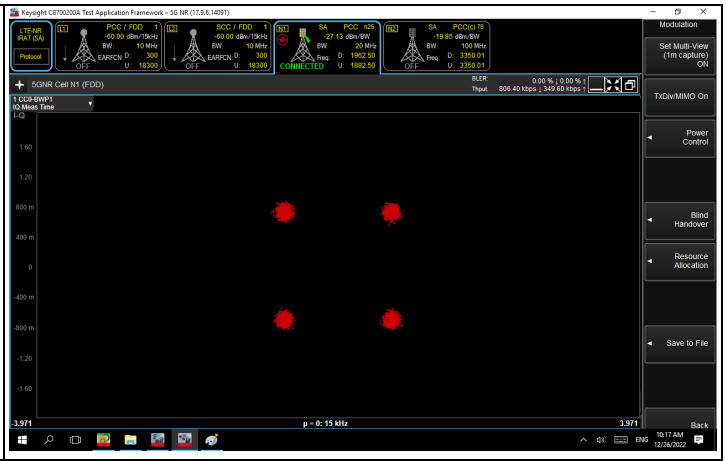
256QAM CH 167300 (836.5 MHz)

7.2.3 NR n25 SCS 15 kHz

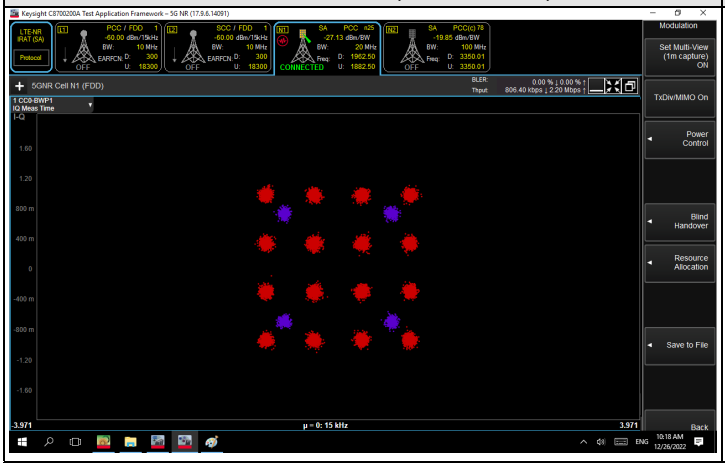
NR n25 SCS 15 kHz, Channel Bandwidth: 20 MHz



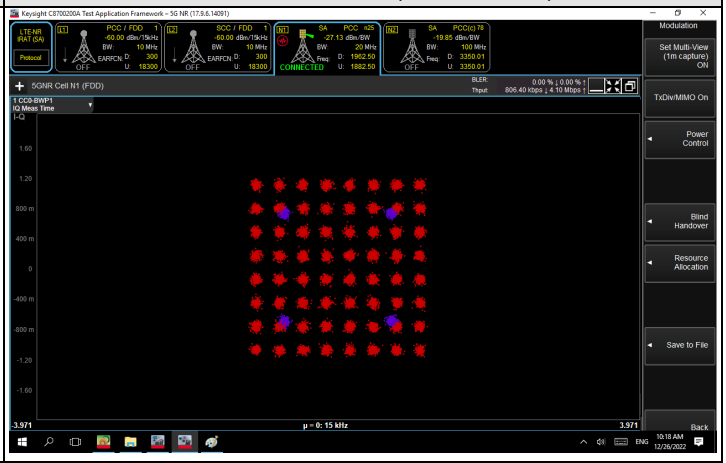
BPSK CH 376500 (1882.5 MHz)



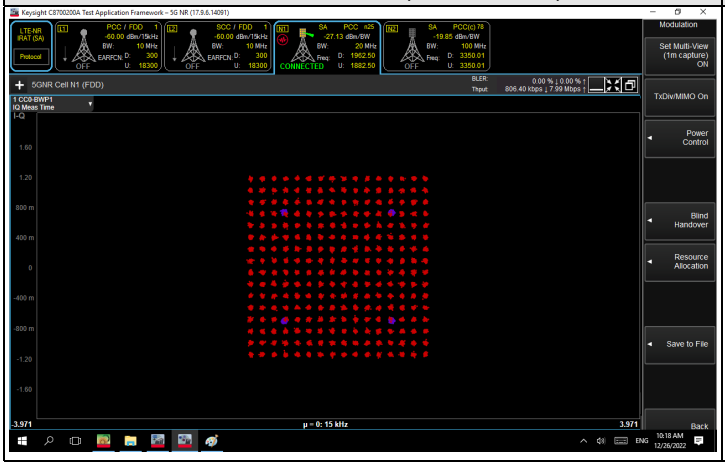
QPSK CH 376500 (1882.5 MHz)



16QAM CH 376500 (1882.5 MHz)



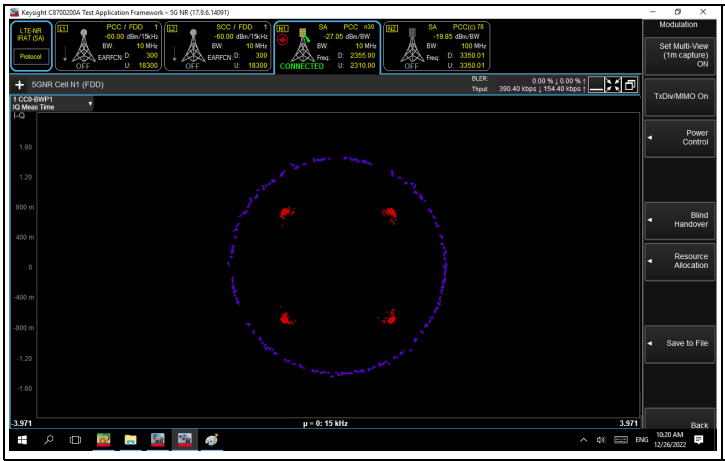
64QAM CH 376500 (1882.5 MHz)



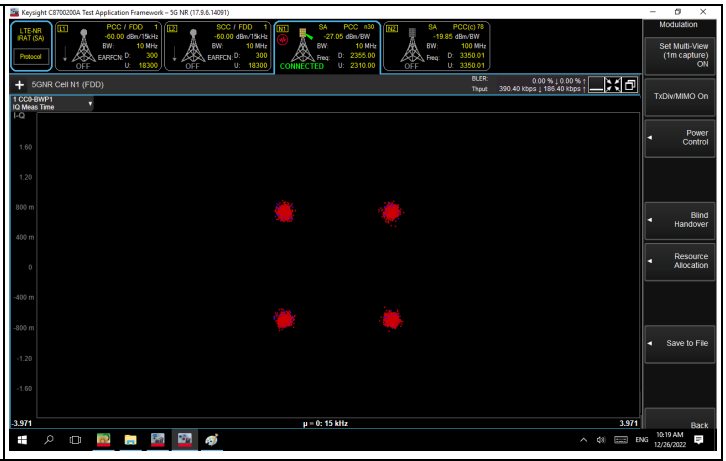
256QAM CH 376500 (1882.5 MHz)

7.2.4 NR n30 SCS 15 kHz

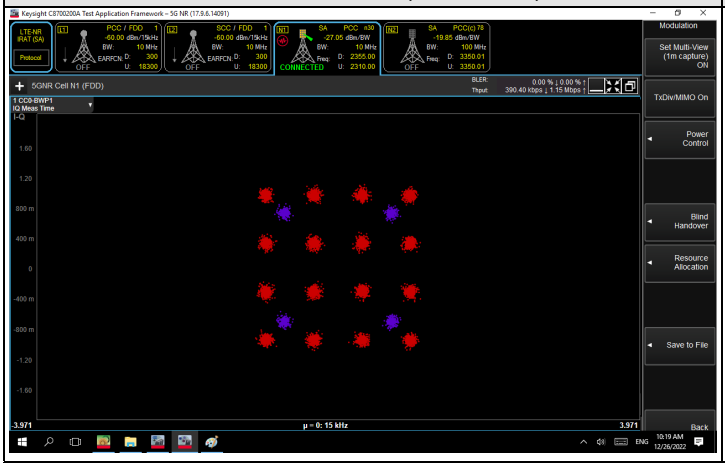
NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz



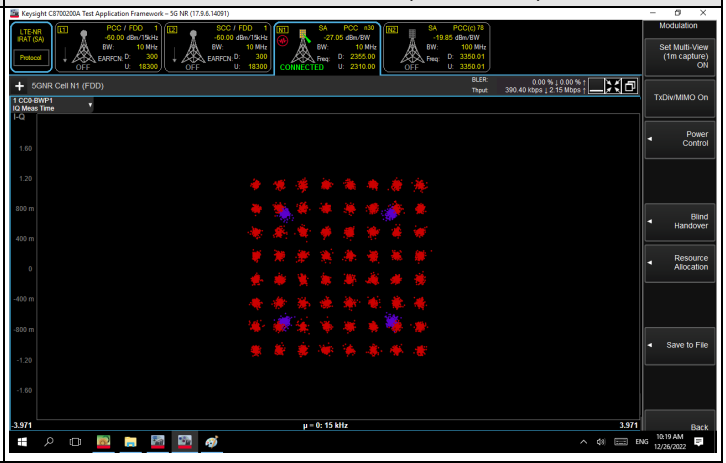
BPSK CH 462000 (2310 MHz)



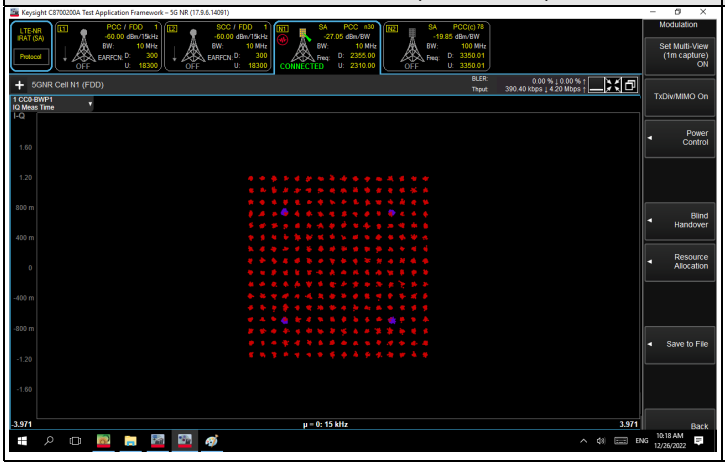
QPSK CH 462000 (2310 MHz)



16QAM CH 462000 (2310 MHz)



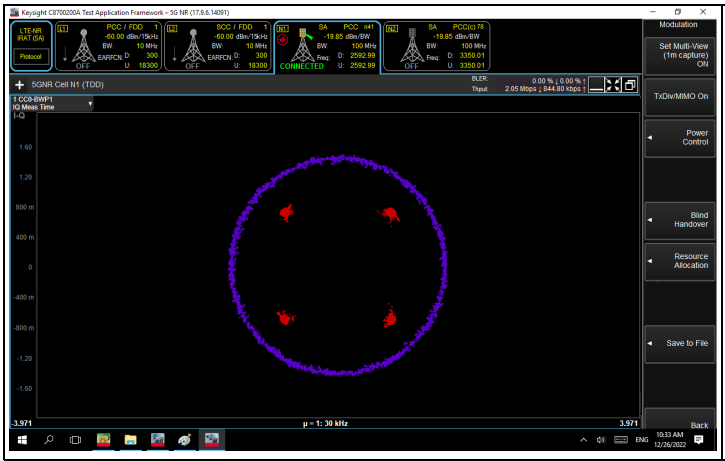
64QAM CH 462000 (2310 MHz)



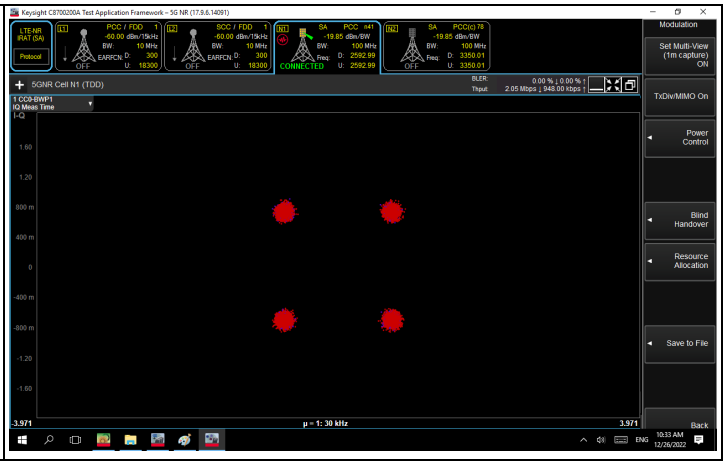
256QAM CH 462000 (2310 MHz)

7.2.5 NR n41 SCS 30 kHz

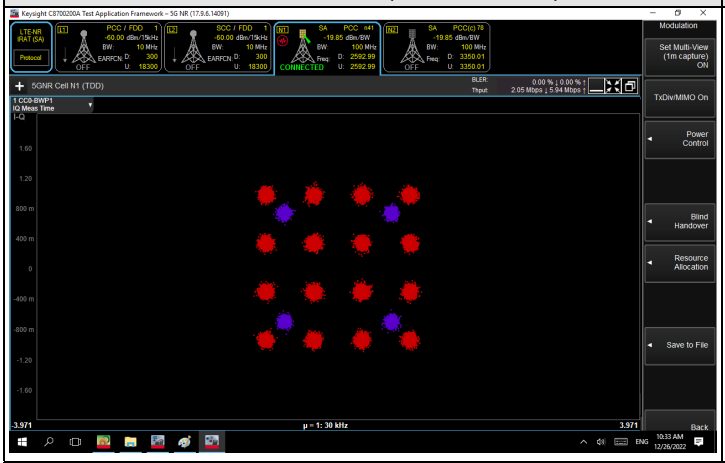
NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz



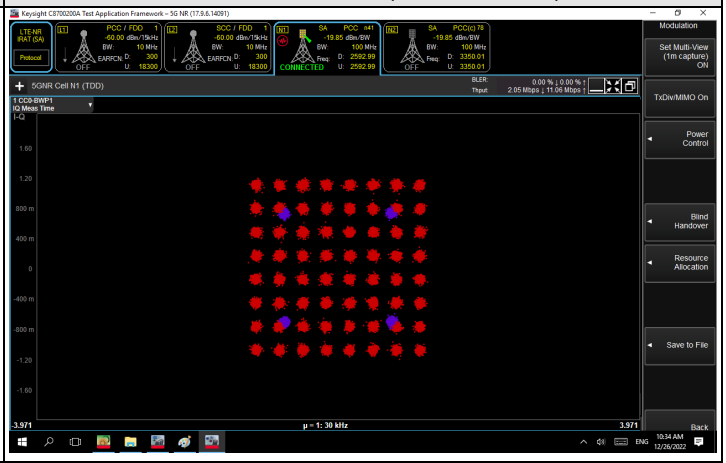
BPSK CH 518598 (2592.99 MHz)



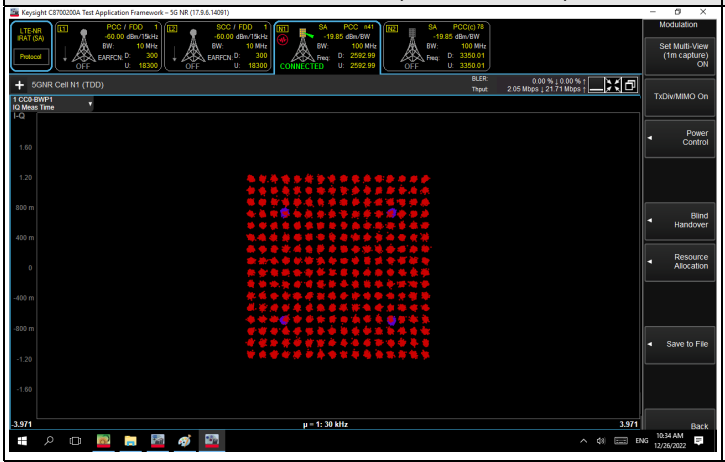
QPSK CH 518598 (2592.99 MHz)



16QAM CH 518598 (2592.99 MHz)



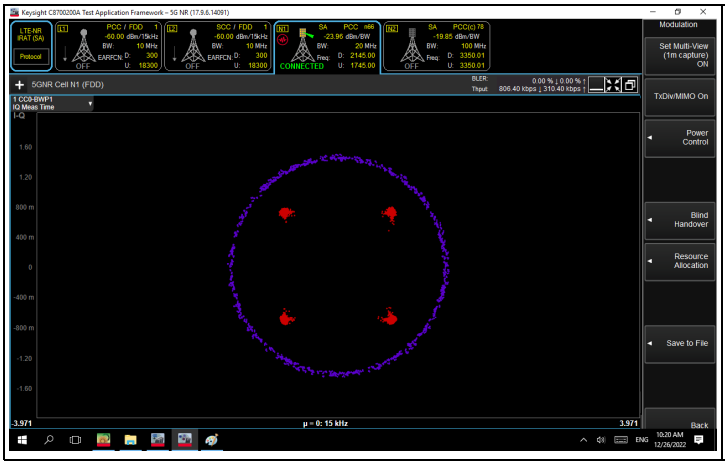
64QAM CH 518598 (2592.99 MHz)



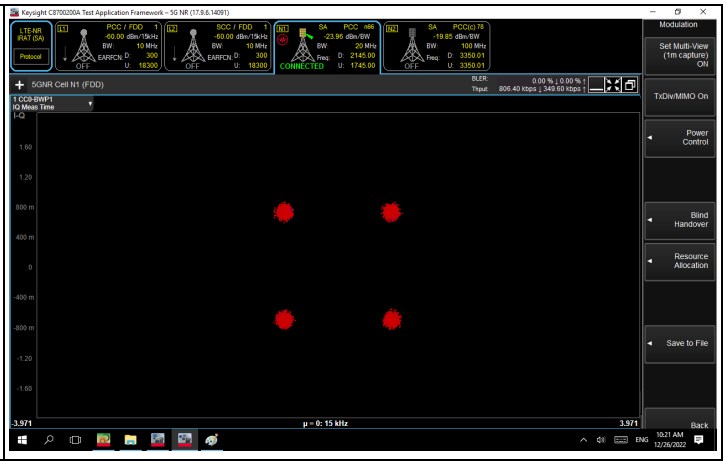
256QAM CH 518598 (2592.99 MHz)

7.2.6 NR n66 SCS 15 kHz

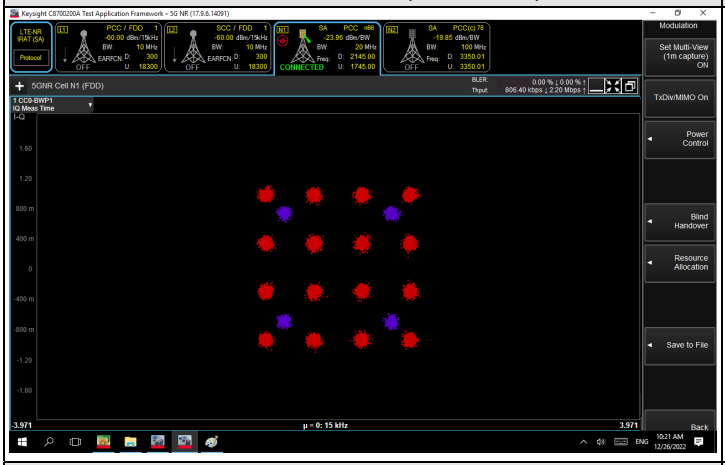
NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz



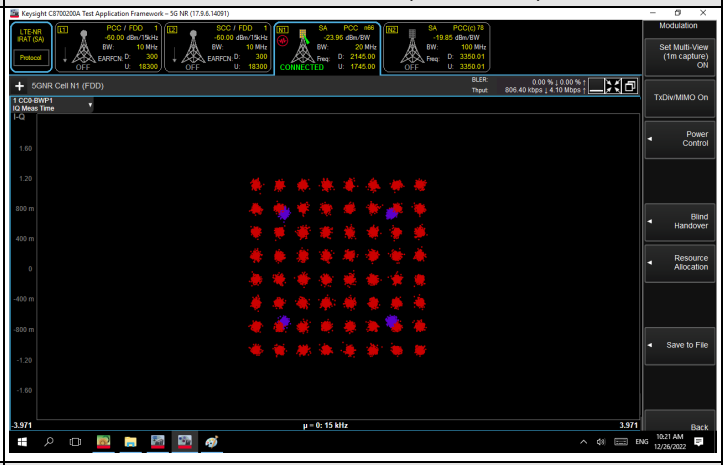
BPSK CH 349000 (1745 MHz)



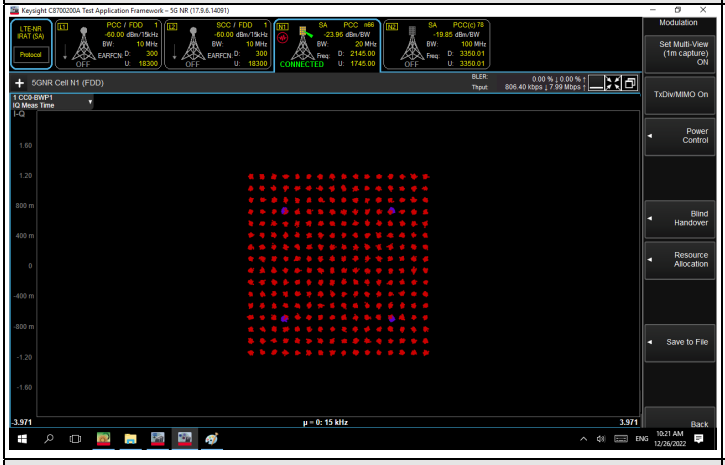
QPSK CH 349000 (1745 MHz)



16QAM CH 349000 (1745 MHz)



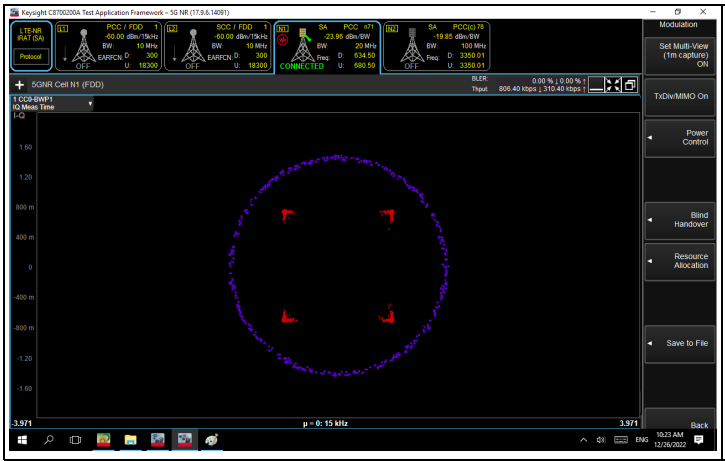
64QAM CH 349000 (1745 MHz)



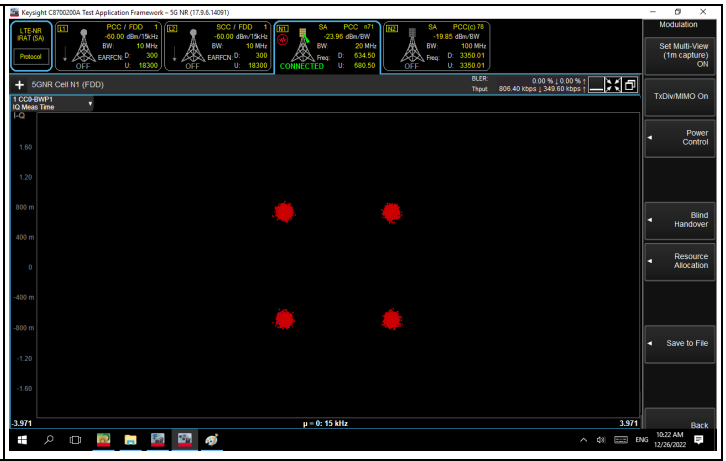
256QAM CH 349000 (1745 MHz)

7.2.7 NR n71 SCS 15 kHz

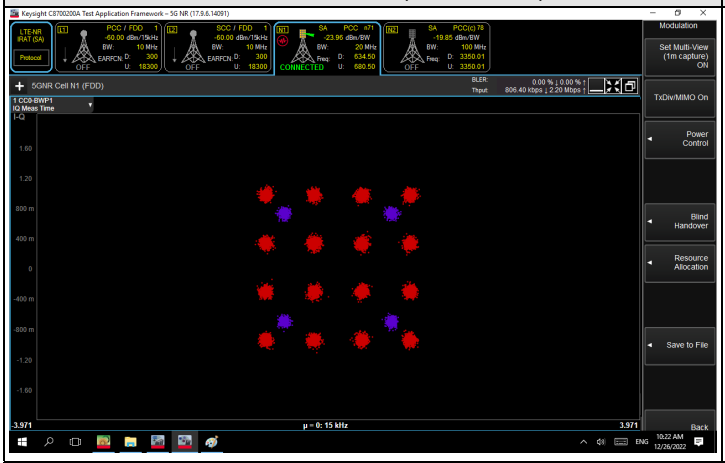
NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz



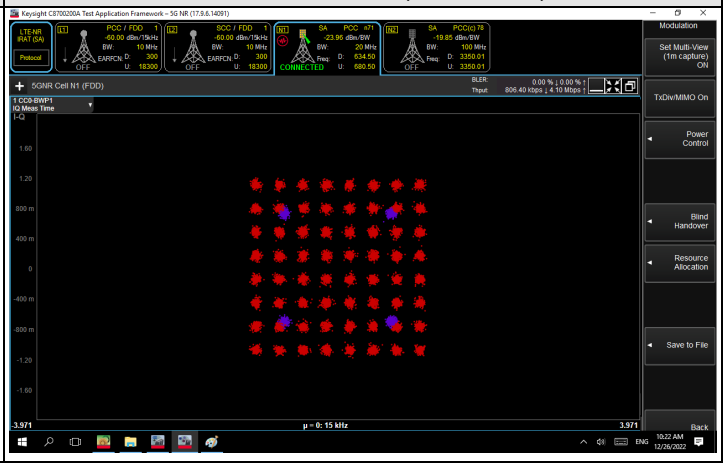
BPSK CH 136100 (680.5 MHz)



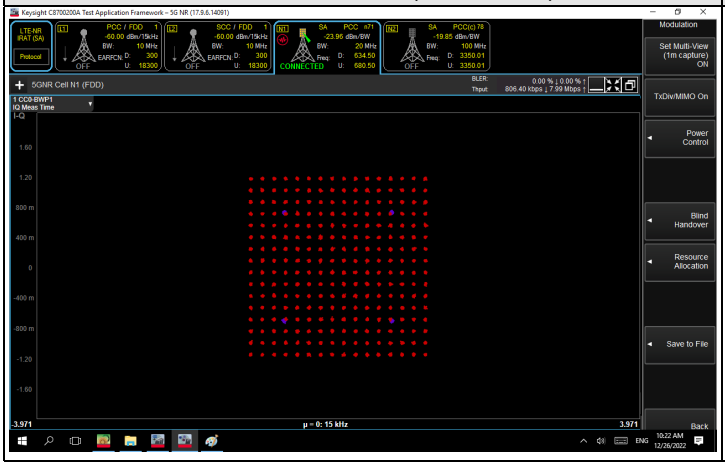
QPSK CH 136100 (680.5 MHz)



16QAM CH 136100 (680.5 MHz)



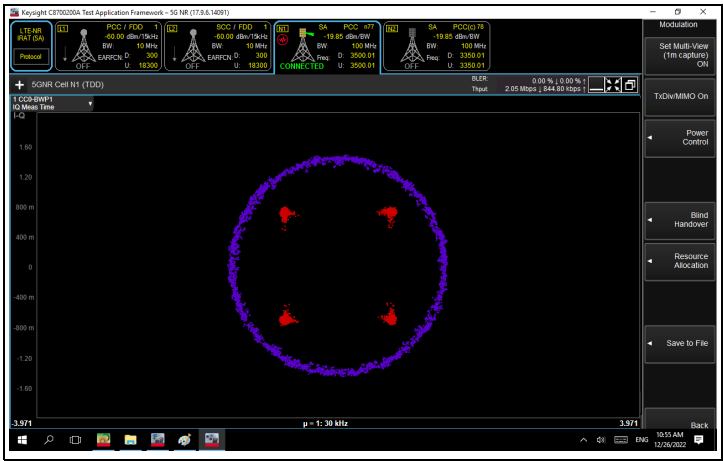
64QAM CH 136100 (680.5 MHz)



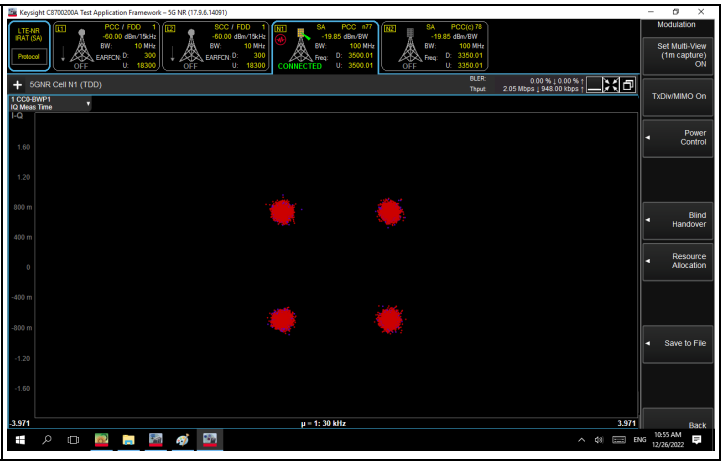
256QAM CH 136100 (680.5 MHz)

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

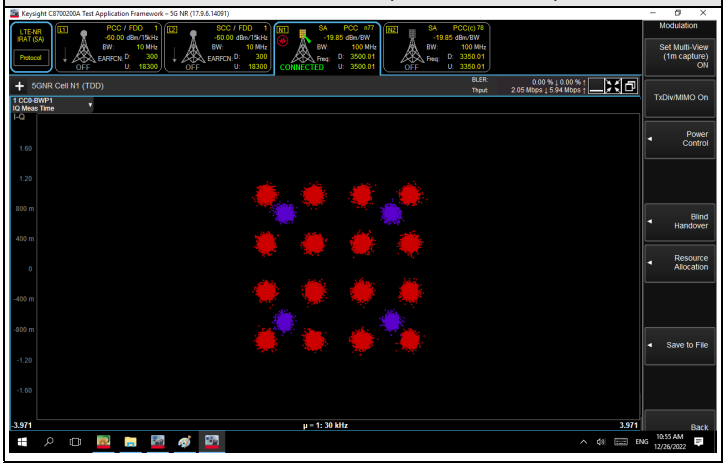
NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz



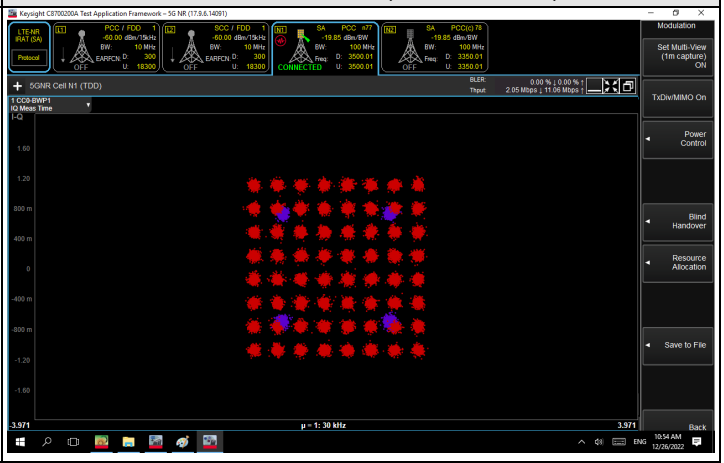
BPSK CH 633334 (3500.01 MHz)



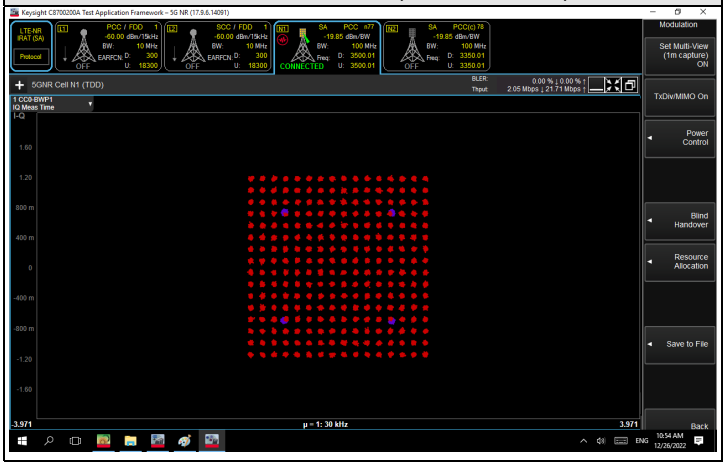
QPSK CH 633334 (3500.01 MHz)



16QAM CH 633334 (3500.01 MHz)



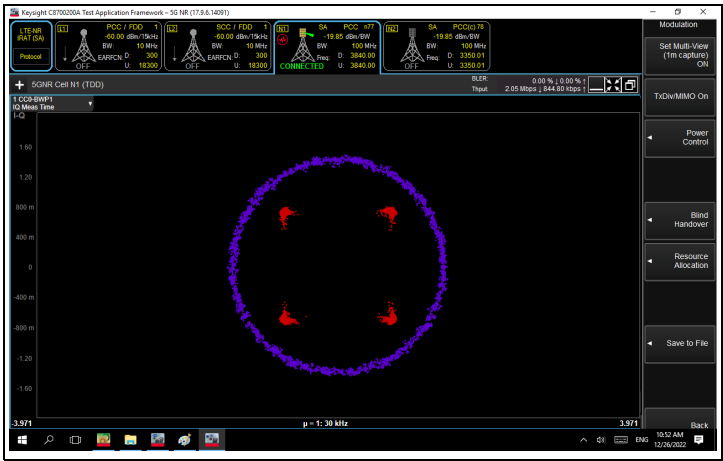
64QAM CH 633334 (3500.01 MHz)



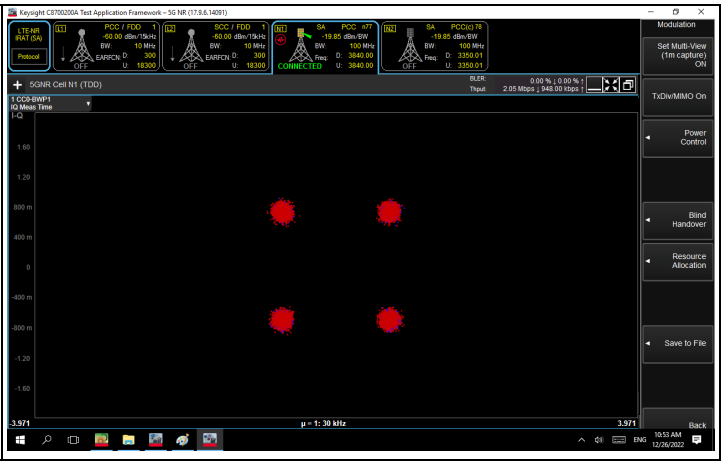
256QAM CH 633334 (3500.01 MHz)

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

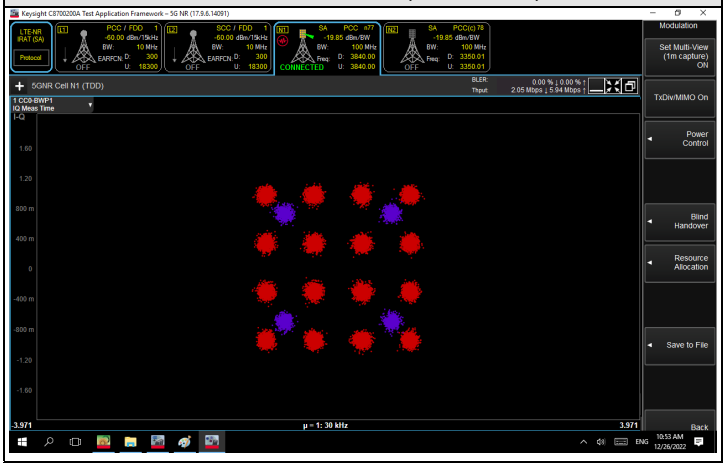
NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz



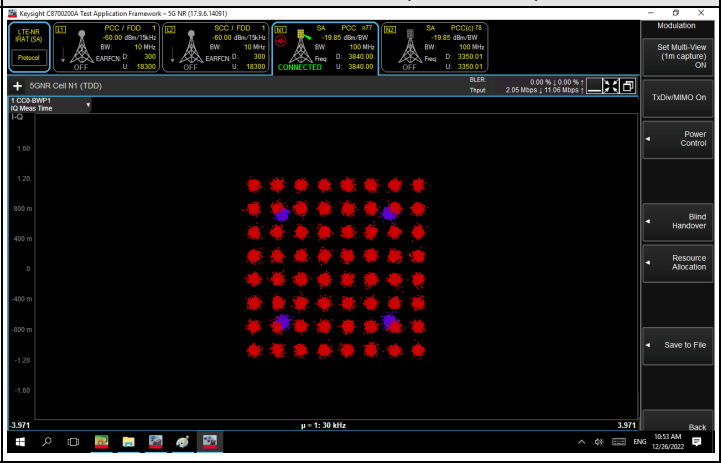
BPSK CH 656000 (3840 MHz)



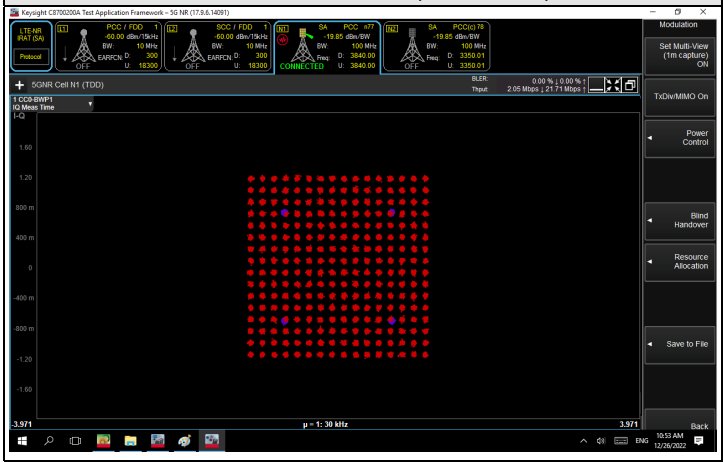
QPSK CH 656000 (3840 MHz)



16QAM CH 656000 (3840 MHz)



64QAM CH 656000 (3840 MHz)



256QAM CH 656000 (3840 MHz)

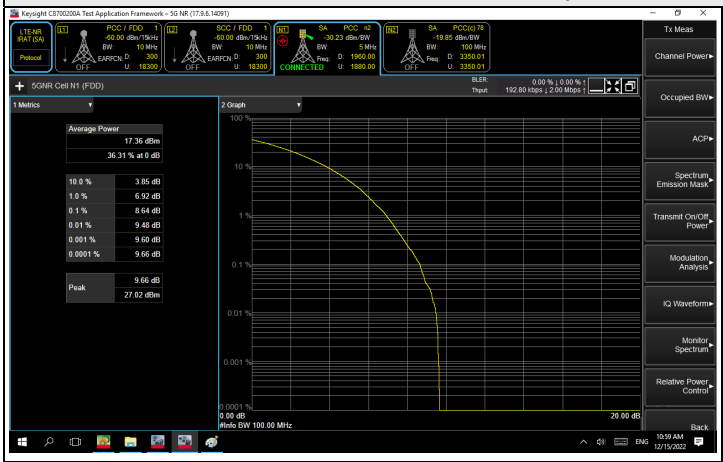
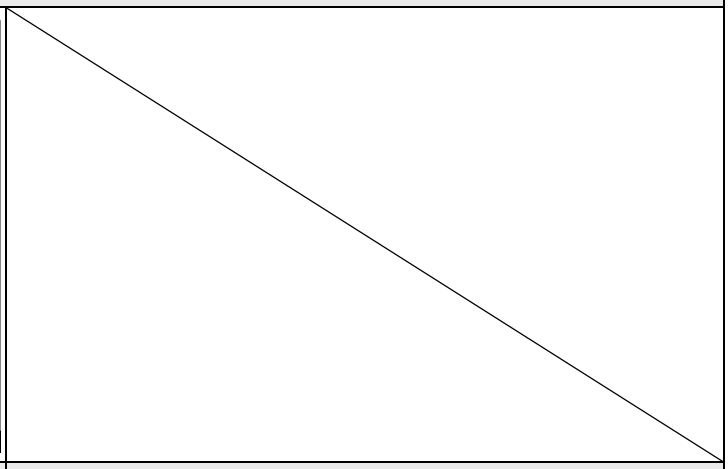
7.3 Peak to Average Ratio

Input Power:	3.87 Vdc	Environmental Conditions:	21°C, 70% RH	Tested By:	James Yang

7.3.1 NR n2 SCS 15 kHz

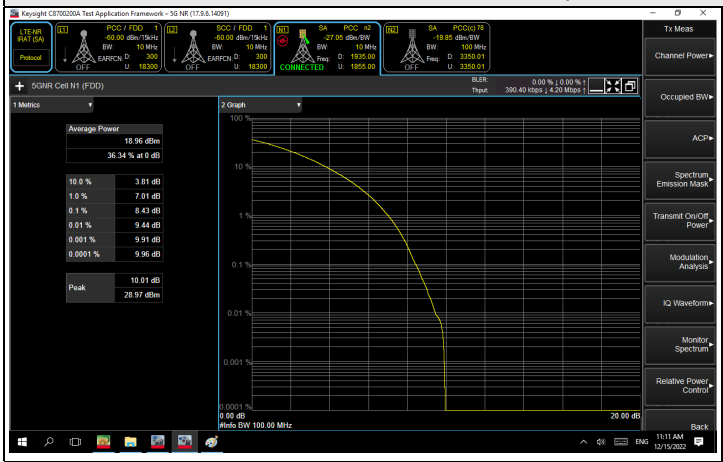
NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
370500	1852.5	4.12	6.73	6.90	7.27	8.58	13.00
376000	1880	4.15	6.75	6.85	7.25	8.64	
381500	1907.5	4.33	6.83	6.91	7.30	8.49	

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

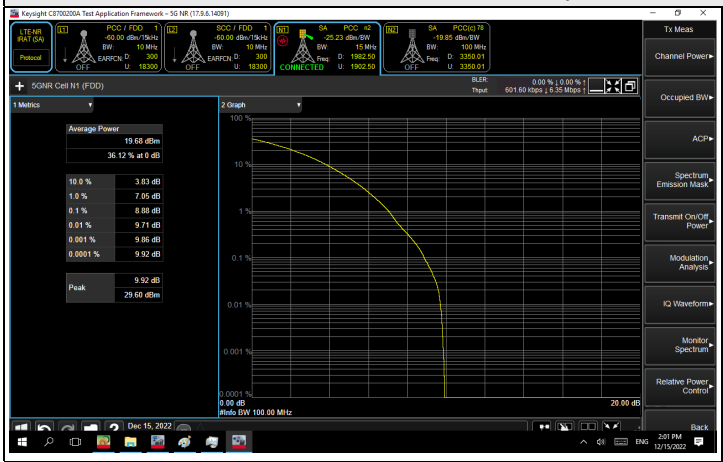
NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
371000	1855	4.13	6.89	6.92	7.24	8.43	13.00
376000	1880	4.84	6.81	6.90	7.30	8.28	
381000	1905	4.40	7.02	7.00	7.31	8.17	

Spectrum Plot of Worst Value	
	
256QAM CH 371000 (1855 MHz)	

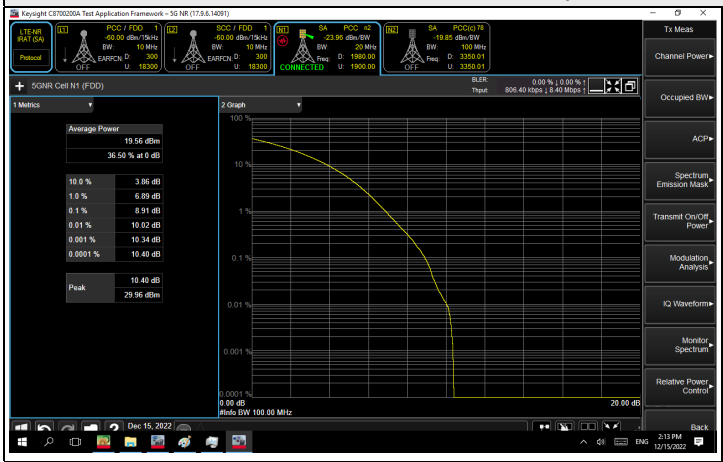
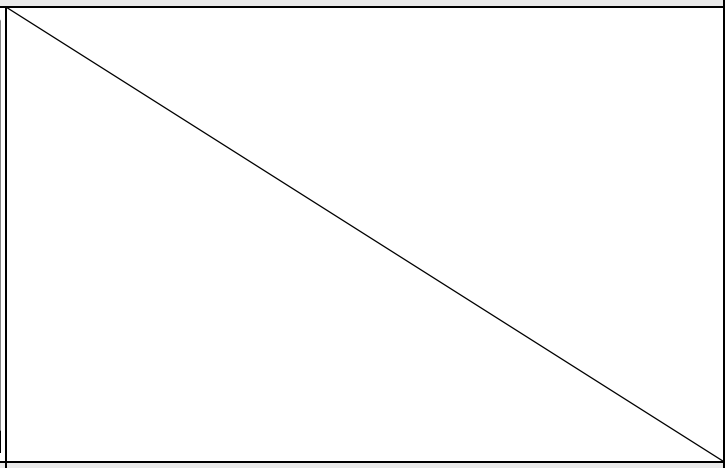
NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
371500	1857.5	4.17	6.84	6.83	7.33	8.85	13.00
376000	1880	4.58	6.95	6.99	7.43	8.81	
380500	1902.5	4.11	6.84	6.83	7.37	8.88	

Spectrum Plot of Worst Value	
	
256QAM CH 380500 (1902.5 MHz)	

NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

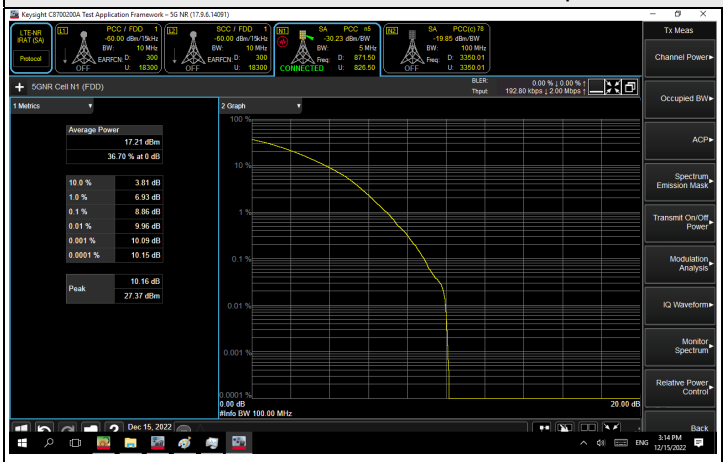
Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
372000	1860	4.37	6.87	6.87	7.25	8.68	13.00
376000	1880	5.01	7.00	7.12	7.38	8.61	
380000	1900	4.21	7.01	6.93	7.29	8.91	

Spectrum Plot of Worst Value	
	
256QAM CH 380000 (1900 MHz)	

7.3.2 NR n5 SCS 15 kHz

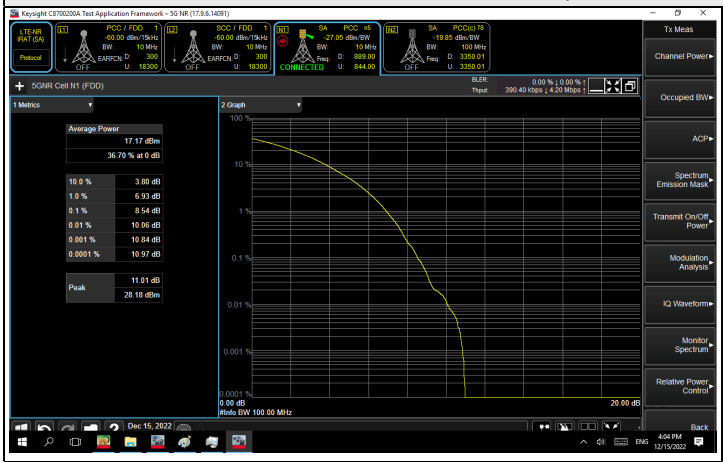
NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
165300	826.5	4.20	6.80	6.91	7.39	8.86	13.00
167300	836.5	4.30	6.84	6.90	7.35	8.71	
169300	846.5	4.37	6.80	6.96	7.38	8.71	

Spectrum Plot of Worst Value	
	
256QAM CH 165300 (826.5 MHz)	

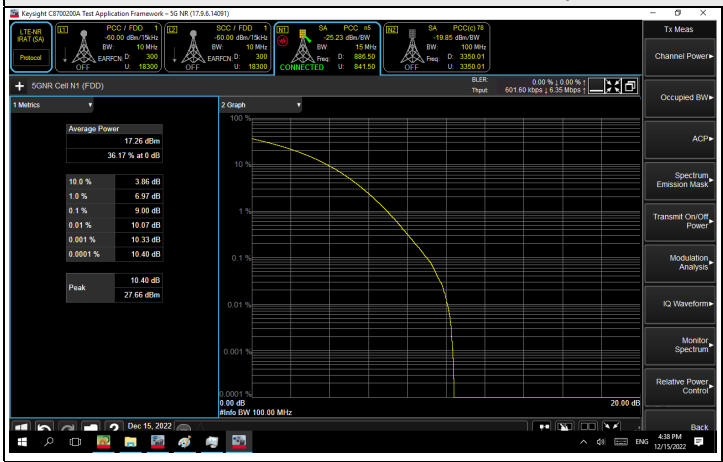
NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
165800	829	4.36	6.98	6.97	7.35	8.51	13.00
167300	836.5	4.28	6.97	6.99	7.33	8.31	
168800	844	4.43	7.07	7.06	7.40	8.54	

Spectrum Plot of Worst Value	
	
256QAM CH 168800 (844 MHz)	

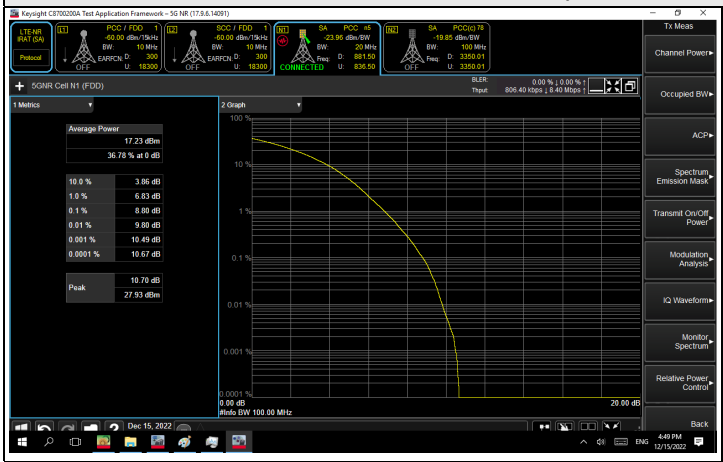
NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
166300	831.5	4.48	6.92	6.84	7.47	8.85	13.00
167300	836.5	4.61	6.90	6.92	7.50	8.90	
168300	841.5	4.45	4.45	7.15	7.57	9.00	

Spectrum Plot of Worst Value	
	
256QAM CH 168300 (841.5 MHz)	

NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
166800	834	4.13	6.91	6.87	7.29	8.76	13.00
167300	836.5	4.16	7.01	7.01	7.38	8.80	
167800	839	4.28	7.20	7.24	7.55	8.80	

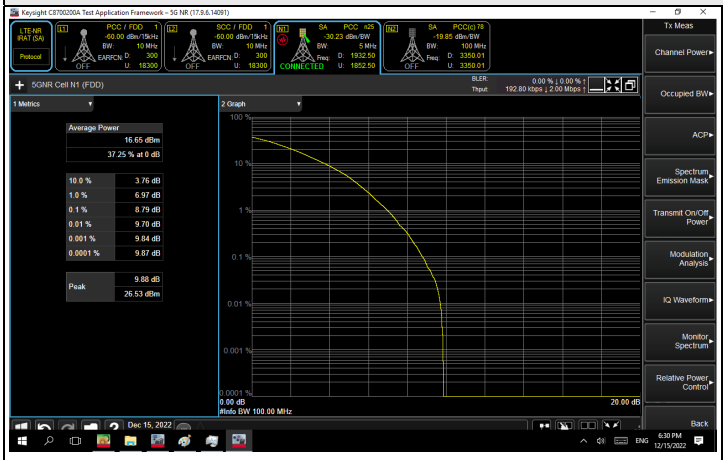
Spectrum Plot of Worst Value	
	
256QAM CH 167300 (836.5 MHz)	

7.3.3 NR n25 SCS 15 kHz

NR n25 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
370500	1852.5	4.92	6.74	6.85	7.27	8.79	13.00
376500	1882.5	4.14	6.74	6.85	7.26	8.57	
382500	1912.5	4.64	6.76	6.87	7.22	8.62	

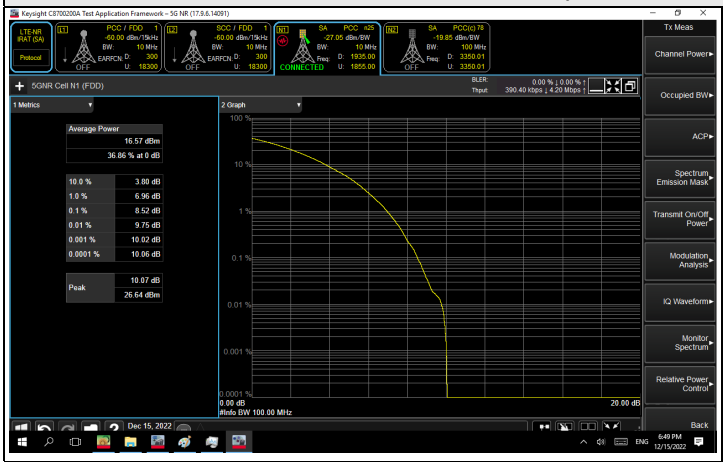
Spectrum Plot of Worst Value



256QAM CH 370500 (1852.5 MHz)

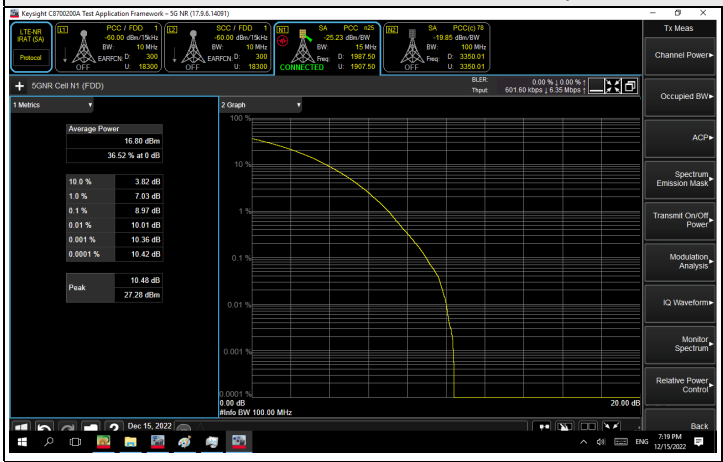
NR n25 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
371000	1855	4.34	6.95	6.99	7.34	8.52	13.00
376500	1882.5	4.84	6.94	6.95	7.31	8.33	
382000	1910	4.45	6.99	6.96	6.96	8.44	

Spectrum Plot of Worst Value	
	
256QAM CH 371000 (1855 MHz)	

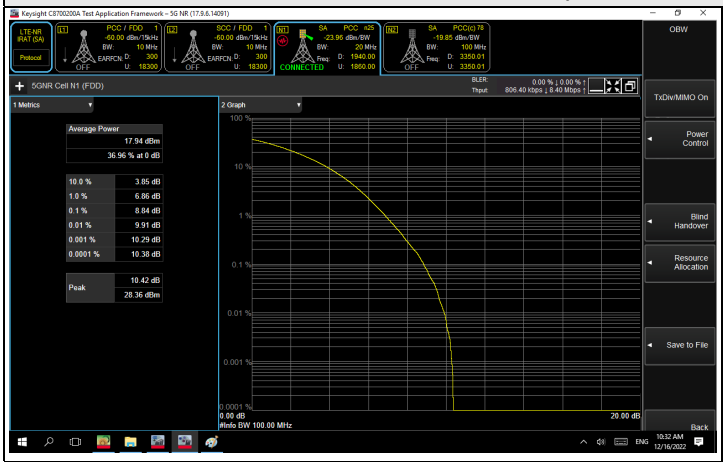
NR n25 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
371500	1857.5	5.06	6.94	6.90	7.42	8.93	13.00
376500	1882.5	4.31	6.84	6.82	6.82	8.89	
381500	1907.5	5.05	6.97	7.01	7.46	8.97	

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

NR n25 SCS 15 kHz, Channel Bandwidth: 20 MHz

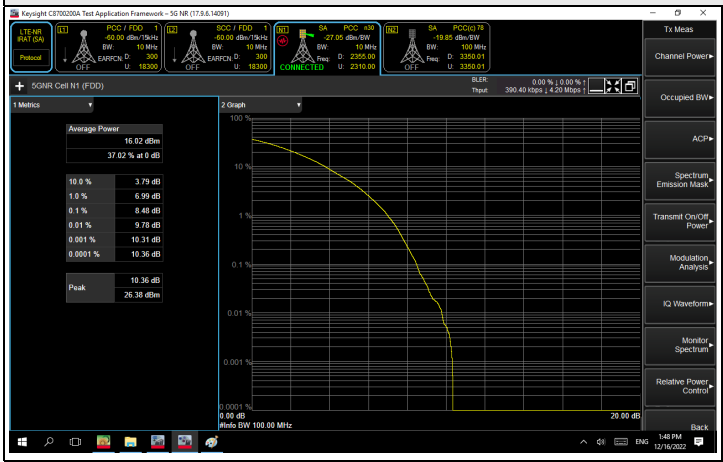
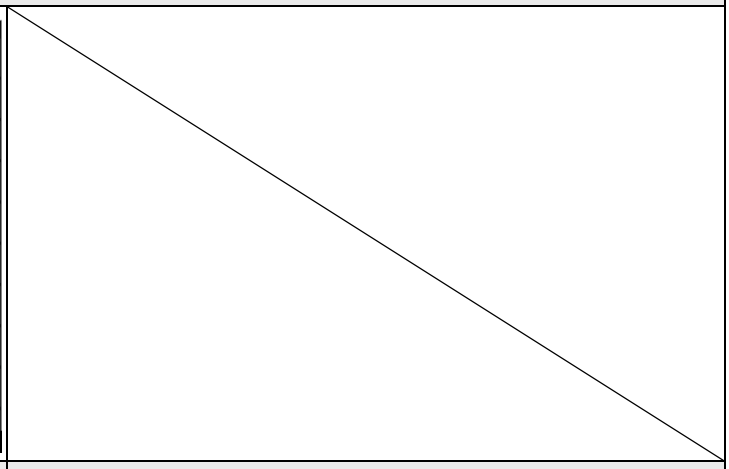
Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
372000	1860	4.30	6.87	6.85	7.25	8.84	13.00
376500	1882.5	5.47	7.44	7.43	7.61	8.79	
381000	1905	4.53	7.06	7.12	7.40	8.69	

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

7.3.4 NR n30 SCS 15 kHz

NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
462000	2310	5.32	7.04	7.00	7.38	8.48	13.00

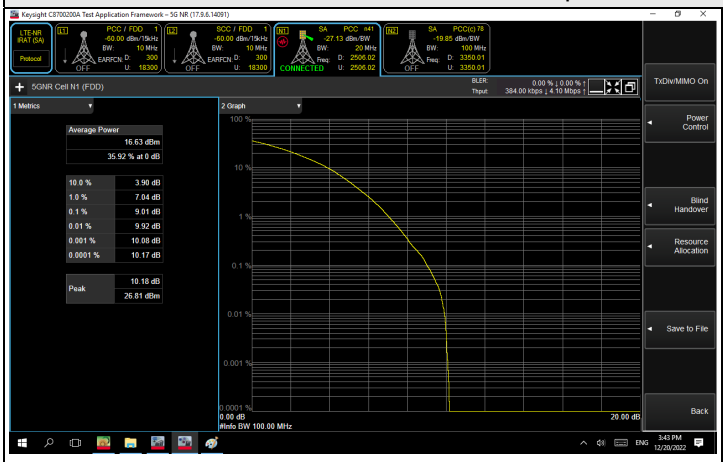
Spectrum Plot of Worst Value	
	
256QAM CH 462000 (2310 MHz)	

7.3.5 NR n41 SCS 30 kHz

NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
501204	2506.02	4.15	6.92	6.95	7.35	9.01	13.00
518598	2592.99	4.57	6.96	7.00	7.37	8.79	
535998	2679.99	4.57	7.07	7.05	7.44	8.89	

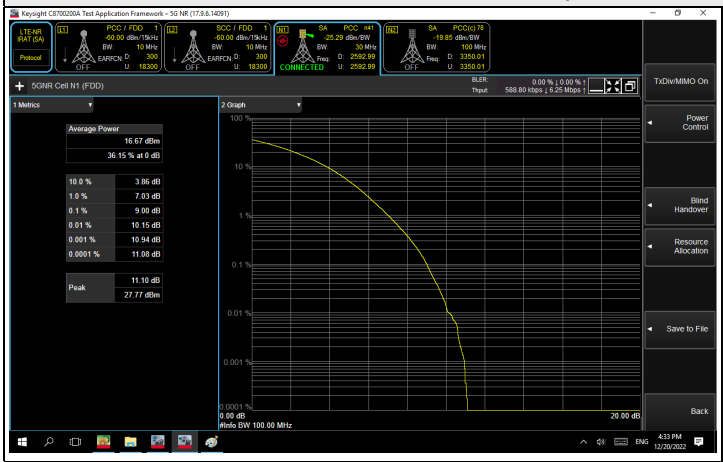
Spectrum Plot of Worst Value



256QAM CH 501204 (2506.02 MHz)

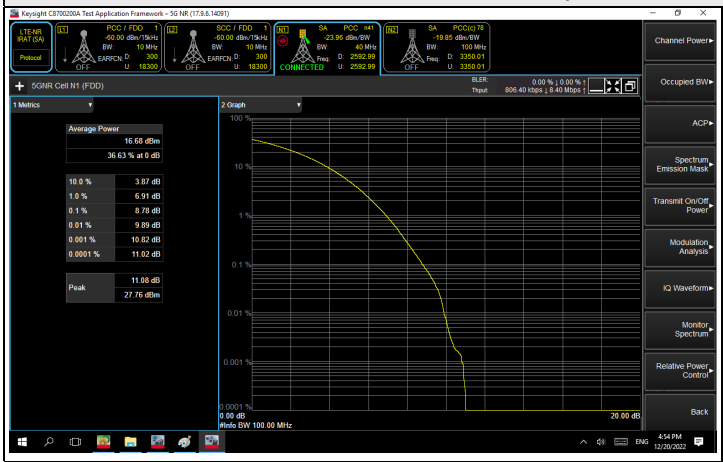
NR n41 SCS 30 kHz, Channel Bandwidth: 30 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
502200	2511	4.47	6.97	7.08	7.54	8.96	13.00
518598	2592.99	4.79	7.09	7.19	7.67	9.00	
534996	2674.98	5.05	7.24	7.34	7.77	8.94	

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

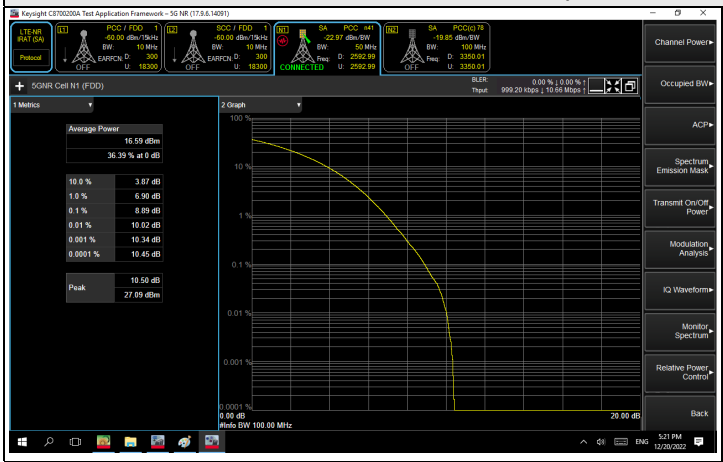
NR n41 SCS 30 kHz, Channel Bandwidth: 40 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
503202	2516.01	4.31	7.03	7.16	7.57	8.74	13.00
518598	2592.99	4.95	7.11	7.28	7.62	8.78	
534000	2670	4.74	7.12	7.30	7.61	8.75	

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

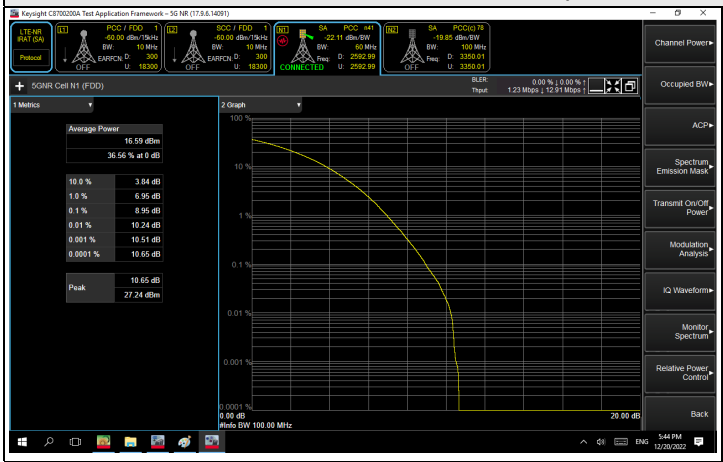
NR n41 SCS 30 kHz, Channel Bandwidth: 50 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
504204	2521.02	4.79	6.79	7.21	7.65	8.68	13.00
518598	2592.99	4.54	6.70	7.30	7.58	8.89	
532998	2664.99	4.40	6.63	7.12	7.49	8.62	

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

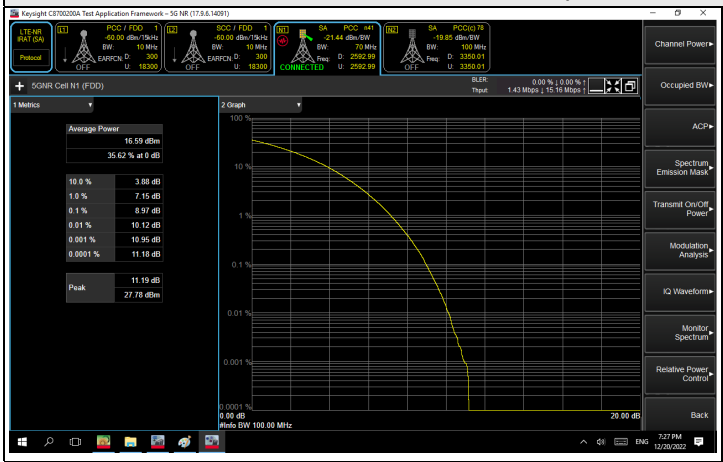
NR n41 SCS 30 kHz, Channel Bandwidth: 60 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
505200	2526	4.46	7.16	7.24	7.66	8.89	13.00
518598	2592.99	4.81	7.22	7.12	7.58	8.95	
531996	2659.98	4.04	7.02	7.07	7.68	8.89	

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

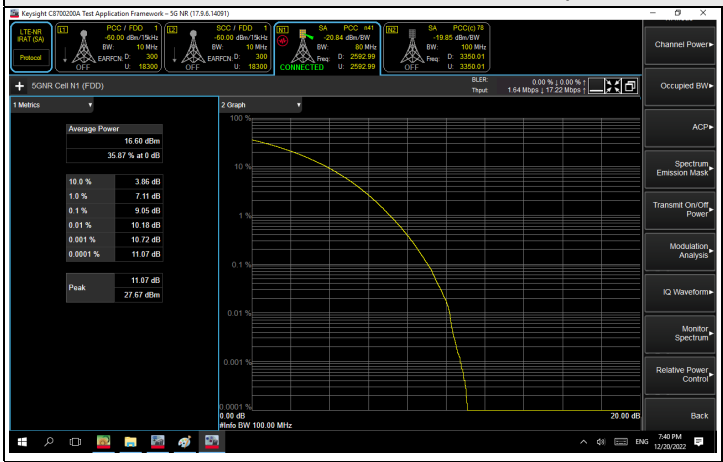
NR n41 SCS 30 kHz, Channel Bandwidth: 70 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
506202	2531.01	5.00	7.65	7.77	8.11	8.97	13.00
518598	2592.99	5.10	7.40	7.45	7.86	8.97	
531000	2655	4.34	7.53	7.57	8.03	8.76	

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

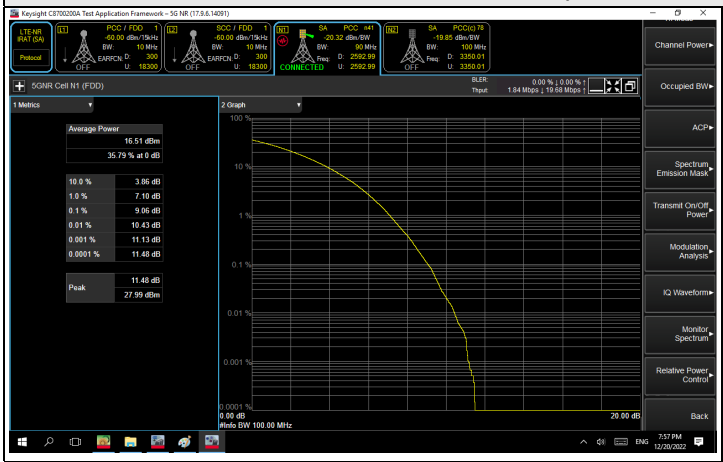
NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
505200	2536.02	4.96	7.70	7.73	8.10	8.90	13.00
518598	2592.99	4.99	7.40	7.39	7.88	9.05	
531996	2649.99	4.69	7.74	7.85	8.20	8.88	

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

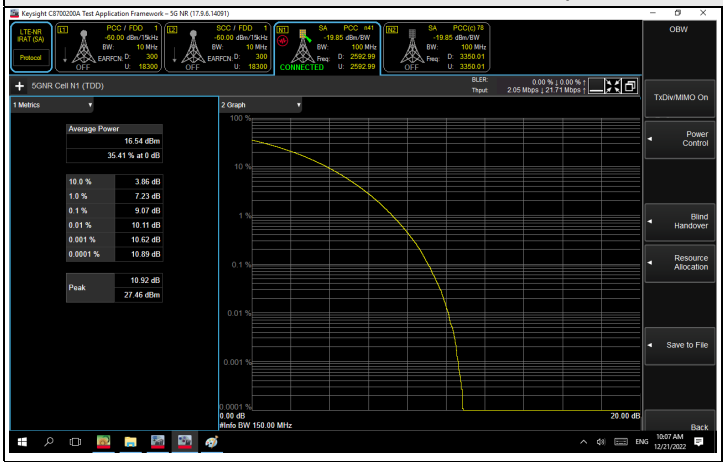
NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
508200	2541	5.00	7.76	7.73	8.12	8.97	13.00
518598	2592.99	5.17	7.51	7.54	7.88	9.06	
528996	2644.98	4.78	7.74	7.82	8.14	8.85	

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

NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz

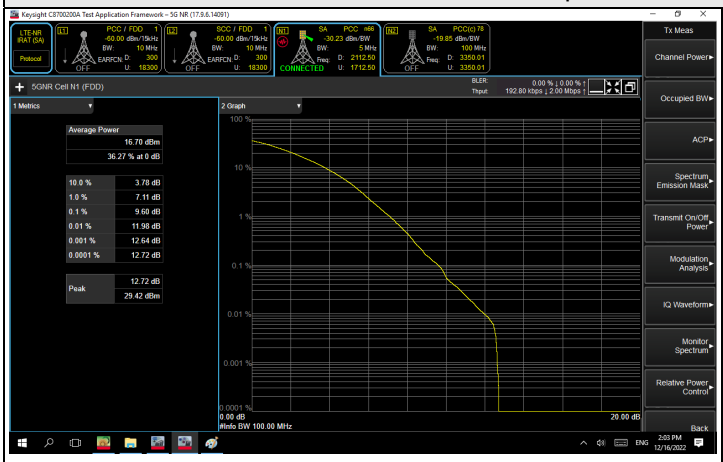
Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
509202	2546.01	4.76	7.54	7.61	8.03	8.97	13.00
518598	2592.99	4.93	7.70	7.72	8.08	9.07	
528000	2640	5.49	7.66	7.80	7.99	9.02	

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

7.3.6 NR n66 SCS 15 kHz

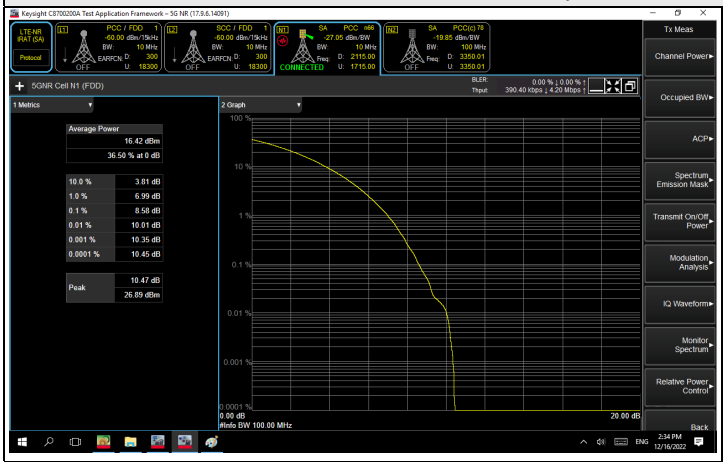
NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
342500	1712.5	4.26	6.81	6.92	7.39	9.60	13.00
349000	1745	4.59	6.85	6.97	7.43	8.59	
355500	1777.5	4.23	6.82	6.92	7.41	8.66	

Spectrum Plot of Worst Value	
	
256QAM CH 342500 (1712.5 MHz)	

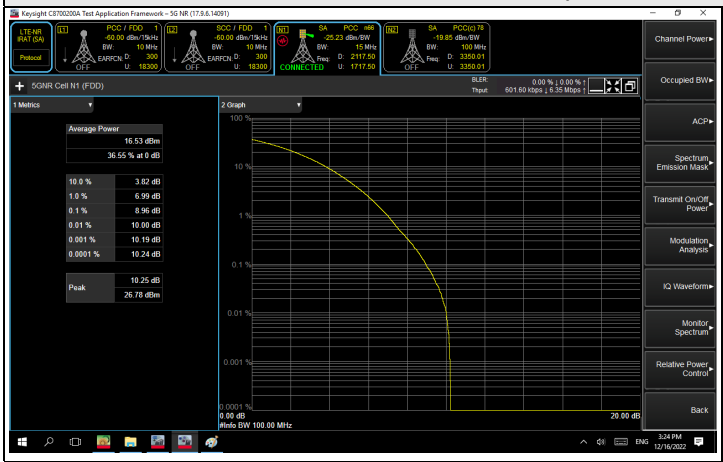
NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
343000	1715	4.81	6.97	6.99	7.35	8.58	13.00
349000	1745	4.42	7.03	7.04	7.24	8.39	
355000	1775	4.28	7.01	7.02	7.37	8.45	

Spectrum Plot of Worst Value	
	
256QAM CH 343000 (1715 MHz)	

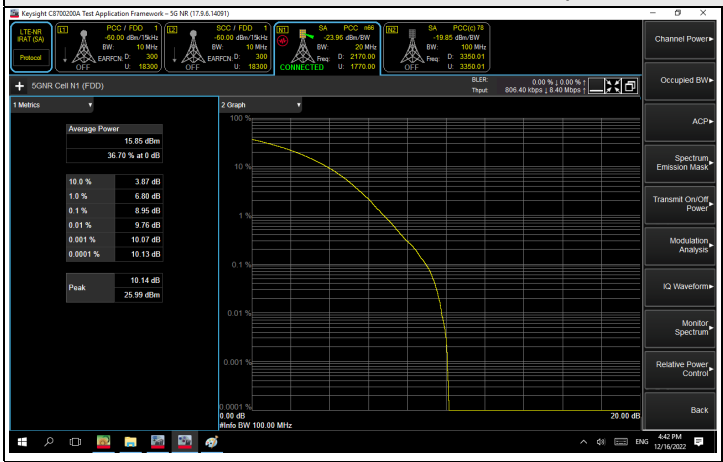
NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
343500	1717.5	4.27	6.90	6.86	7.40	8.96	13.00
349000	1745	4.45	6.89	6.92	7.46	8.78	
354500	1772.5	4.24	6.95	6.95	7.45	8.94	

Spectrum Plot of Worst Value	
	
256QAM CH 343500 (1717.5 MHz)	

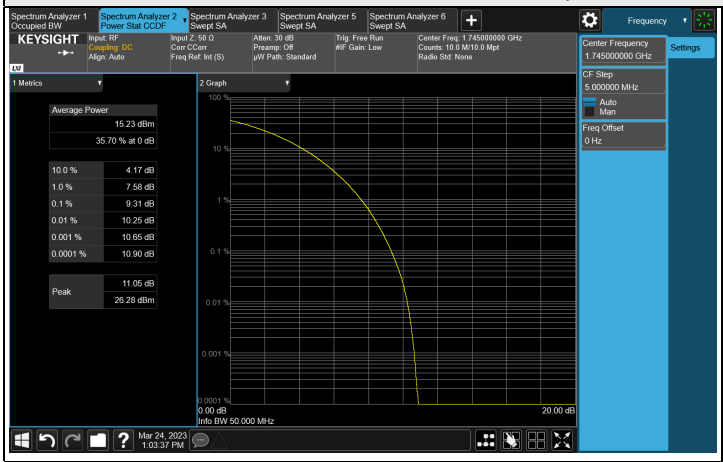
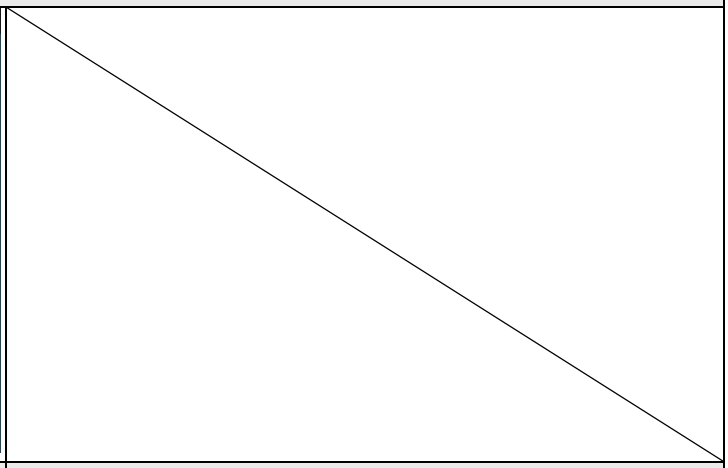
NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
344000	1720	4.73	6.92	6.94	7.29	8.87	13.00
349000	1745	4.06	6.85	6.85	7.30	8.71	
354000	1770	4.70	6.99	7.02	7.41	8.95	

Spectrum Plot of Worst Value	
	
256QAM CH 354000 (1770 MHz)	

NR n66 SCS 15 kHz, Channel Bandwidth: 30 MHz

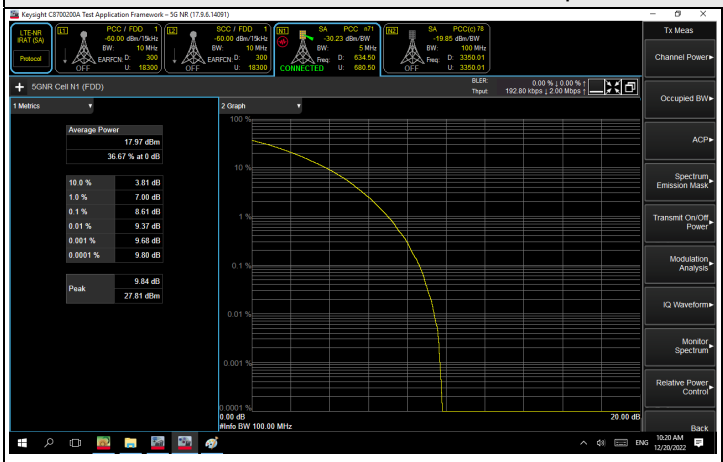
Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
345000	1725	5.64	7.53	7.65	8.11	9.29	13.00
349000	1745	5.75	7.57	7.67	8.10	9.31	
353000	1765	5.73	7.47	7.55	8.07	9.28	

Spectrum Plot of Worst Value	
	
256QAM CH 349000 (1745 MHz)	

7.3.7 NR n71 SCS 15 kHz

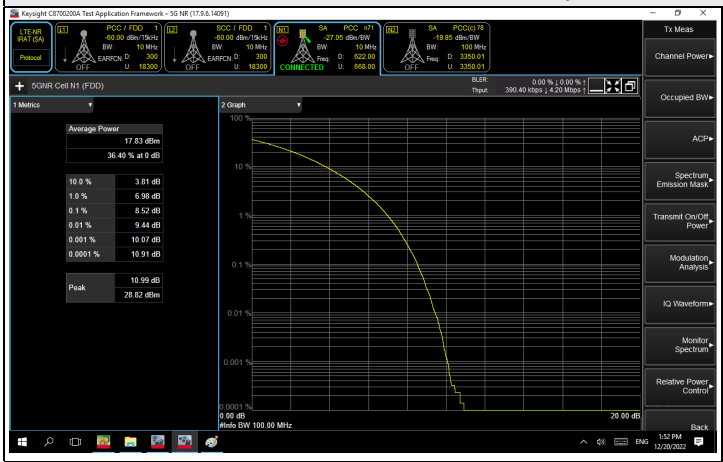
NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
133100	665.5	4.18	6.74	6.87	7.22	8.61	13.00
136100	680.5	5.12	6.68	6.81	7.14	8.61	
139100	695.5	4.05	6.69	7.14	7.15	8.60	

Spectrum Plot of Worst Value	
	
256QAM CH 136100 (680.5 MHz)	

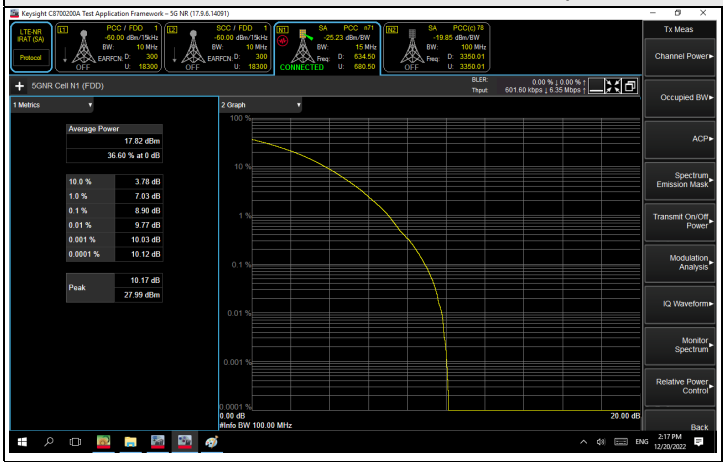
NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
133600	668	4.69	6.99	6.96	7.31	8.52	13.00
136100	680.5	4.05	6.77	6.82	7.19	8.29	
138600	693	4.69	6.87	6.89	7.22	8.34	

Spectrum Plot of Worst Value	
	
256QAM CH 133600 (668 MHz)	

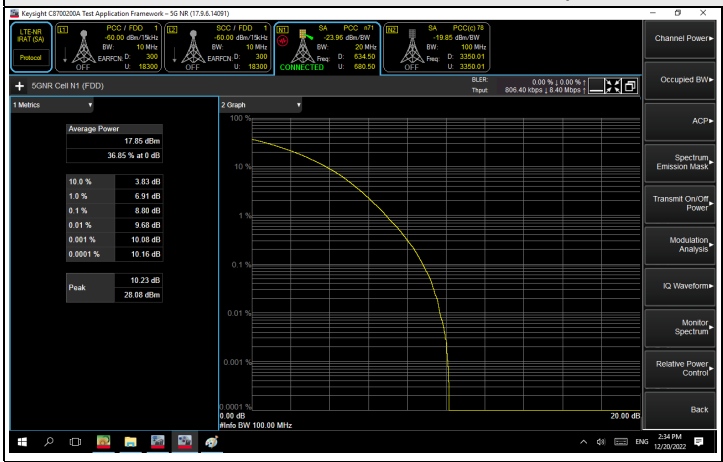
NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
134100	670.5	4.16	6.95	6.99	7.44	8.72	13.00
136100	680.5	4.96	6.78	6.78	7.33	8.90	
138100	690.5	4.11	6.85	6.80	7.28	8.88	

Spectrum Plot of Worst Value	
	
256QAM CH 136100 (680.5 MHz)	

NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

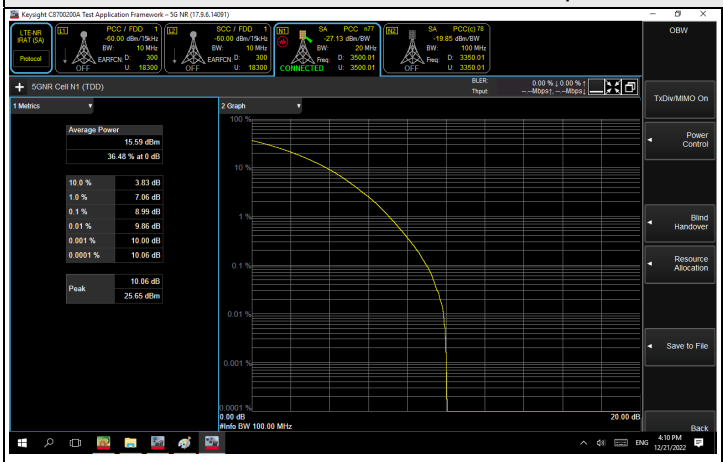
Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
134600	673	4.88	7.00	7.02	7.34	8.62	13.00
136100	680.5	3.90	6.88	6.83	7.22	8.80	
137600	688	4.90	6.76	6.83	7.17	8.80	

Spectrum Plot of Worst Value	
	
256QAM CH 136100 (680.5 MHz)	

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

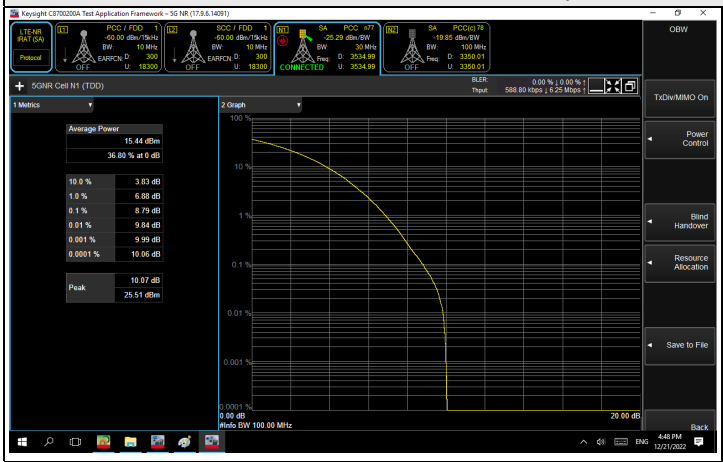
NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
630668	3460.02	4.24	6.77	6.79	7.18	8.98	13.00
633334	3500.01	4.23	6.81	6.82	7.22	8.99	
636000	3540	4.21	6.77	6.79	7.20	8.96	

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

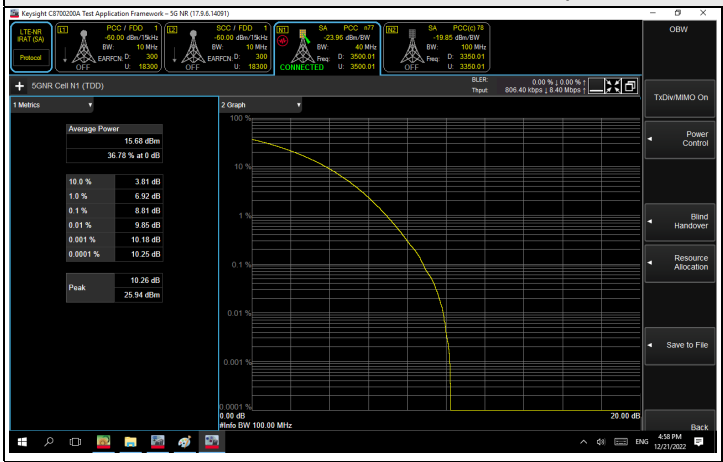
NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
631000	3465	4.05	6.84	6.88	7.37	8.78	13.00
633334	3500.01	4.25	6.90	6.95	7.44	8.76	
635666	3534.99	4.12	6.86	6.92	7.36	8.79	

Spectrum Plot of Worst Value	
	
256QAM CH 635666 (3534.99 MHz)	

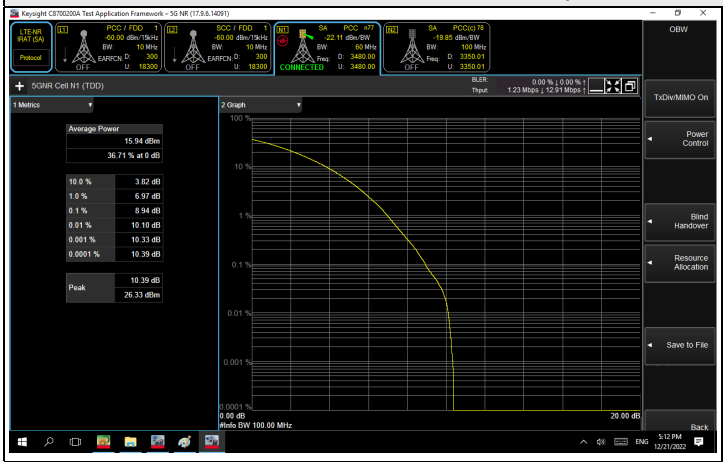
NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
631334	3470.01	4.07	6.81	6.88	7.36	8.76	13.00
633334	3500.01	4.36	6.88	6.93	7.38	8.81	
635332	3529.98	4.31	6.84	6.29	7.39	8.78	

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

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

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
632000	3480	4.23	6.88	6.86	7.44	8.94	13.00
633334	3500.01	4.46	6.93	6.89	7.45	8.81	
634666	3519.99	4.40	6.88	6.89	7.38	8.82	

Spectrum Plot of Worst Value	
	
256QAM CH 632000 (3480 MHz)	