

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFCVSF-WTW-P25090815-4

FCC ID: PKRISGM4020

Product: Wireless Hotspot

Brand: Inseego

Model No.: M4020

Received Date: 2025/10/2

Test Date: 2025/11/7 ~ 2025/12/11

Issued Date: 2025/12/31

Applicant: Inseego Corp.

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FCC Registration / 788550 / TW0003

Designation Number:

Approved by: _____

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2025/12/31

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Table of Contents

Release Control Record	4
1 Certificate.....	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	7
2.2 Supplementary Information	7
3 General Information	8
3.1 General Description of EUT	8
3.2 Antenna Description of EUT	13
3.3 Test Mode Applicability and Tested Channel Detail.....	14
3.3.1 NR n25 SCS 15 kHz	14
3.3.2 NR n41 SCS 30 kHz	17
3.3.3 NR n66 SCS 15 kHz	21
3.3.4 NR n71 SCS 15 kHz	24
3.4 Test Program Used and Operation Descriptions	26
3.5 Connection Diagram of EUT and Peripheral Devices	26
3.6 Configuration of Peripheral Devices and Cable Connections	26
4 Test Instruments	27
4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power	27
4.2 Modulation Characteristics	27
4.3 Peak to Average Ratio	27
4.4 Bandwidth.....	28
4.5 Conducted Spurious Emissions	28
4.6 Radiated Spurious Emissions below 1GHz.....	28
4.7 Radiated Spurious Emissions above 1GHz	29
4.8 Frequency Stability	30
5 Limits of Test Items.....	31
5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power	31
5.2 Modulation Characteristics	31
5.3 Peak to Average Ratio	31
5.4 Bandwidth.....	31
5.5 Conducted Spurious Emissions	32
5.6 Radiated Spurious Emissions below 1GHz.....	32
5.7 Radiated Spurious Emissions above 1GHz	33
5.8 Frequency Stability	33
6 Test Arrangements.....	34
6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power	34
6.1.1 Test Setup	34
6.1.2 Test Procedure	34
6.2 Modulation Characteristics	34
6.2.1 Test Setup	34
6.2.2 Test Procedure	34
6.3 Peak to Average Ratio	35
6.3.1 Test Setup	35
6.3.2 Test Procedure	35
6.4 Bandwidth.....	36
6.4.1 Test Setup	36
6.4.2 Test Procedure	36
6.5 Conducted Spurious Emissions	37
6.5.1 Test Setup	37
6.5.2 Test Procedure	37
6.6 Radiated Spurious Emissions below 1GHz.....	38
6.6.1 Test Setup	38
6.6.2 Test Procedure	39
6.7 Radiated Spurious Emissions above 1GHz	40

6.7.1	Test Setup	40
6.7.2	Test Procedure	40
6.8	Frequency Stability	41
6.8.1	Test Setup	41
6.8.2	Test Procedure	41
7	Test Results of Test Item	42
7.1	Effective Radiated Power and Equivalent Isotropically Radiated Power	42
7.1.1	NR n25 SCS 15 kHz - SISO	42
7.1.2	NR n41 SCS 30 kHz - SISO	49
7.1.3	NR n41 SCS 30 kHz - MIMO	58
7.1.4	NR n66 SCS 15 kHz - SISO	67
7.1.5	NR n71 SCS 15 kHz - SISO	74
7.1.6	ENDC Mode	78
7.2	Modulation Characteristics	79
7.2.1	NR n25 SCS 15 kHz - SISO	79
7.2.2	NR n41 SCS 30 kHz - MIMO	80
7.2.3	NR n66 SCS 15 kHz - SISO	81
7.2.4	NR n71 SCS 15 kHz - SISO	82
7.3	Peak to Average Ratio	83
7.3.1	NR n25 SCS 15 kHz - SISO	83
7.3.2	NR n41 SCS 30 kHz - SISO	90
7.3.3	NR n41 SCS 30 kHz - MIMO	99
7.3.4	NR n66 SCS 15 kHz - SISO	117
7.3.5	NR n71 SCS 15 kHz - SISO	124
7.4	Bandwidth	128
7.4.1	NR n25 SCS 15 kHz - SISO	128
7.4.2	NR n41 SCS 30 kHz - SISO	135
7.4.3	NR n41 SCS 30 kHz - MIMO	144
7.4.4	NR n66 SCS 15 kHz - SISO	162
7.4.5	NR n71 SCS 15 kHz - SISO	169
7.4.6	ENDC Mode	173
7.5	Conducted Spurious Emissions	174
7.5.1	NR n25 SCS 15 kHz - SISO	174
7.5.2	NR n41 SCS 30 kHz - SISO	188
7.5.3	NR n41 SCS 30 kHz - MIMO	213
7.5.4	NR n66 SCS 15 kHz - SISO	263
7.5.5	NR n71 SCS 15 kHz - SISO	277
7.6	Radiated Spurious Emissions below 1GHz	285
7.6.1	NR n25 SCS 15 kHz - SISO	285
7.6.2	NR n41 SCS 30 kHz - MIMO	287
7.6.3	NR n66 SCS 15 kHz - SISO	289
7.6.4	NR n71 SCS 15 kHz - SISO	291
7.7	Radiated Spurious Emissions above 1GHz	293
7.7.1	NR n25 SCS 15 kHz - SISO	293
7.7.2	NR n41 SCS 30 kHz - MIMO	302
7.7.3	NR n66 SCS 15 kHz - SISO	311
7.7.4	NR n71 SCS 15 kHz - SISO	320
7.8	Frequency Stability	326
7.8.1	NR n25 SCS 15 kHz - SISO	326
7.8.2	NR n41 SCS 30 kHz - MIMO	327
7.8.3	NR n66 SCS 15 kHz - SISO	328
7.8.4	NR n71 SCS 15 kHz - SISO	329
8	Pictures of Test Arrangements	330
9	Information of the Testing Laboratories	331

Release Control Record

Issue No.	Description	Date Issued
RFCVSF-WTW-P25090815-4	Original release.	2025/12/31

1 Certificate

Product: Wireless Hotspot

Brand: Inseego

Test Model: M4020

Sample Status: Engineering sample

Applicant: Inseego Corp.

Test Date: 2025/11/7 ~ 2025/12/11

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

Measurement procedure: ANSI/TIA/EIA-603-E 2016
ANSI C63.26-2015
KDB 971168 D01 Power Meas License Digital Systems v03r01
KDB 971168 D02 Misc Rev Approv License Devices v02r02
KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 24.232 (c) Part 27.50(d) Part 27.50(h) Part 27.50(c)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
Part 2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
Part 24.232 (d) Part 27.50(d)	Peak to Average Ratio	Pass	Meet the requirement of limit.
Part 2.1049	Bandwidth	Pass	Meet the requirement of limit.
Part 2.1051 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
Part 2.1053 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -8.06 dB at 127.97 MHz
Part 2.1053 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -13.64 dB at 5185.98 MHz
Part 2.1055 Part 24.235 Part 27.54	Frequency Stability	Pass	Meet the requirement of limit.

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

2.1 Measurement Uncertainty

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

Parameter	Specification	Uncertainty (±)
Effective Radiated Power and Equivalent Isotropically Radiated Power	-	1.371 dB
Peak to Average Ratio	-	0.920 dB
Bandwidth	-	960 Hz
Conducted Spurious Emissions	-	2.12 dB
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.60 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB
Frequency Stability	-	0.176 ppm

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Wireless Hotspot
Brand	Inseego
Test Model	M4020
Market Model Name	M4000
Status of EUT	Engineering sample
Power Supply Rating	5 Vdc or 9 Vdc from adapter 3.85 Vdc from battery
EUT Category	Portable station
Modulation Type	DFT-s-OFDM*, CP-OFDM
5G NR support SISO bands	n25, n41, n66, n71
5G NR support MIMO bands	n41
5G NR bands support CA mode	-
PC3 for Power Class	n25, n41 (SISO), n66, n71
PC2 for Power Class	n41 (MIMO)
PC1.5 for Power Class	
Band Covered Information	-

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification	P/N
AC Adapter 1	SUNUN	P181	AC Input: 100-240 Vac, 50/60 Hz, 0.5 A max DC Output: 5 Vdc, 3 A; 9 Vdc, 2 A; 12 Vdc, 1.5 A	-
AC Adapter 2	Orbic	OACH023US1	AC Input: 100-240 Vac, 50/60 Hz, 0.5 A max DC Output: 5 Vdc, 3 A; 9 Vdc, 2 A; 12 Vdc, 1.5 A	-
USB Cable 1	inseego	-	Signal Line: 1.0 m, shielded	CAB-60723090
USB Cable 2	KANGYIN	-	Signal Line: 1.0 m, shielded	OAUC023US1
Battery	inseego	754685	3.85 Vdc, 5050 mAh, 19.44 Wh	-

2. EUT Overview

NR n25 SCS 15 kHz

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	1852.5 ~ 1912.5	BPSK	0.393	25.94	4M47G7D
		QPSK	0.399	26.01	4M47G7D
		16QAM	0.251	24.00	4M47D7W
		64QAM	0.216	23.35	4M47D7W
		256QAM	0.137	21.37	4M48D7W
10 MHz	1855 ~ 1910	BPSK	0.395	25.97	8M92G7D
		QPSK	0.395	25.97	9M27G7D
		16QAM	0.256	24.09	9M29D7W
		64QAM	0.216	23.35	9M28D7W
		256QAM	0.136	21.33	9M28D7W
15 MHz	1857.5 ~ 1907.5	BPSK	0.392	25.93	13M4G7D
		QPSK	0.404	26.06	14M1G7D
		16QAM	0.256	24.09	14M1D7W
		64QAM	0.215	23.33	14M1D7W
		256QAM	0.136	21.32	14M1D7W
20 MHz	1860 ~ 1905	BPSK	0.395	25.97	17M9G7D
		QPSK	0.402	26.04	18M9G7D
		16QAM	0.255	24.07	18M9D7W
		64QAM	0.217	23.37	18M9D7W
		256QAM	0.136	21.32	18M9D7W
25 MHz	1862.5 ~ 1902.5	BPSK	0.395	25.97	22M9G7D
		QPSK	0.404	26.06	23M7G7D
		16QAM	0.256	24.09	23M7D7W
		64QAM	0.216	23.34	23M8D7W
		256QAM	0.138	21.39	23M7D7W
30 MHz	1865 ~ 1900	BPSK	0.390	25.91	28M5G7D
		QPSK	0.397	25.99	28M6G7D
		16QAM	0.254	24.05	28M5D7W
		64QAM	0.216	23.35	28M6D7W
		256QAM	0.137	21.37	28M6D7W
40 MHz	1870 ~ 1895	BPSK	0.400	26.02	38M5G7D
		QPSK	0.405	26.07	38M5G7D
		16QAM	0.257	24.10	38M5D7W
		64QAM	0.219	23.41	38M5D7W
		256QAM	0.139	21.42	38M6D7W

NR n41 SCS 30 kHz

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
20 MHz	2506.02 ~ 2679.99	BPSK	0.441	26.44	17M9G7D
		QPSK	0.895	29.52	18M2G7D
		16QAM	0.457	26.60	18M3D7W
		64QAM	0.409	26.12	18M2D7W
		256QAM	0.262	24.18	18M2D7W
30 MHz	2511 ~ 2674.98	BPSK	0.437	26.40	26M8G7D
		QPSK	0.891	29.50	27M9G7D
		16QAM	0.454	26.57	27M9D7W
		64QAM	0.409	26.12	27M9D7W
		256QAM	0.261	24.16	27M9D7W
40 MHz	2516.01 ~ 2670	BPSK	0.435	26.38	35M7G7D
		QPSK	0.891	29.50	37M9G7D
		16QAM	0.456	26.59	37M9D7W
		64QAM	0.414	26.17	37M9D7W
		256QAM	0.264	24.21	37M9D7W
50 MHz	2521.02 ~ 2664.99	BPSK	0.438	26.41	45M7G7D
		QPSK	0.877	29.43	47M6G7D
		16QAM	0.456	26.59	47M6D7W
		64QAM	0.408	26.11	47M6D7W
		256QAM	0.261	24.17	47M5D7W
60 MHz	2526 ~ 2659.98	BPSK	0.441	26.44	57M9G7D
		QPSK	0.885	29.47	57M9G7D
		16QAM	0.455	26.58	57M9D7W
		64QAM	0.411	26.14	57M9D7W
		256QAM	0.262	24.18	57M9D7W
70 MHz	2531.01 ~ 2655	BPSK	0.431	26.34	64M4G7D
		QPSK	0.881	29.45	67M6G7D
		16QAM	0.455	26.58	67M6D7W
		64QAM	0.410	26.13	67M6D7W
		256QAM	0.259	24.14	67M5D7W
80 MHz	2536.02 ~ 2649.99	BPSK	0.437	26.40	77M2G7D
		QPSK	0.881	29.45	77M6G7D
		16QAM	0.458	26.61	77M7D7W
		64QAM	0.414	26.17	77M6D7W
		256QAM	0.264	24.21	77M5D7W
90 MHz	2541 ~ 2644.98	BPSK	0.432	26.35	86M8G7D
		QPSK	0.883	29.46	87M5G7D
		16QAM	0.458	26.61	87M5D7W
		64QAM	0.408	26.11	87M5D7W
		256QAM	0.259	24.14	87M5D7W

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
100 MHz	2546.01 ~ 2640	BPSK	0.441	26.44	97M5G7D
		QPSK	0.899	29.54	97M5G7D
		16QAM	0.462	26.65	97M5D7W
		64QAM	0.416	26.19	97M5D7W
		256QAM	0.266	24.25	97M5D7W

NR n66 SCS 15 kHz

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	1712.5 ~ 1777.5	BPSK	0.396	25.98	4M48G7D
		QPSK	0.416	26.19	4M47G7D
		16QAM	0.254	24.05	4M48D7W
		64QAM	0.214	23.31	4M47D7W
		256QAM	0.144	21.57	4M48D7W
10 MHz	1715 ~ 1775	BPSK	0.399	26.01	8M92G7D
		QPSK	0.410	26.13	9M28G7D
		16QAM	0.254	24.05	9M29D7W
		64QAM	0.212	23.27	9M28D7W
		256QAM	0.143	21.54	9M29D7W
15 MHz	1717.5 ~ 1772.5	BPSK	0.392	25.93	13M4G7D
		QPSK	0.412	26.15	14M1G7D
		16QAM	0.255	24.06	14M1D7W
		64QAM	0.215	23.33	14M1D7W
		256QAM	0.142	21.52	14M1D7W
20 MHz	1720 ~ 1770	BPSK	0.396	25.98	17M8G7D
		QPSK	0.417	26.20	18M9G7D
		16QAM	0.255	24.07	18M9D7W
		64QAM	0.212	23.26	18M9D7W
		256QAM	0.139	21.44	18M9D7W
25 MHz	1722.5 ~ 1767.5	BPSK	0.391	25.92	22M9G7D
		QPSK	0.418	26.21	23M7G7D
		16QAM	0.255	24.06	23M8D7W
		64QAM	0.214	23.31	23M7D7W
		256QAM	0.143	21.54	23M7D7W
30 MHz	1725 ~ 1765	BPSK	0.395	25.97	28M6G7D
		QPSK	0.408	26.11	28M6G7D
		16QAM	0.258	24.11	28M6D7W
		64QAM	0.215	23.32	28M6D7W
		256QAM	0.139	21.43	28M6D7W
40 MHz	1730 ~ 1760	BPSK	0.400	26.02	38M6G7D
		QPSK	0.420	26.23	38M6G7D
		16QAM	0.258	24.12	38M5D7W
		64QAM	0.217	23.36	38M5D7W
		256QAM	0.144	21.58	38M6D7W

NR n71 SCS 15 kHz

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
5 MHz	665.5 ~ 695.5	BPSK	0.041	16.15	4M49G7D
		QPSK	0.041	16.18	4M48G7D
		16QAM	0.025	14.03	4M47D7W
		64QAM	0.022	13.38	4M47D7W
		256QAM	0.014	11.46	4M48D7W
10 MHz	668 ~ 693	BPSK	0.040	16.07	8M94G7D
		QPSK	0.041	16.10	9M31G7D
		16QAM	0.025	13.96	9M31D7W
		64QAM	0.021	13.27	9M31D7W
		256QAM	0.014	11.36	9M30D7W
15 MHz	670.5 ~ 690.5	BPSK	0.041	16.12	13M4G7D
		QPSK	0.041	16.18	14M2G7D
		16QAM	0.025	13.95	14M2D7W
		64QAM	0.021	13.30	14M2D7W
		256QAM	0.014	11.42	14M2D7W
20 MHz	673 ~ 688	BPSK	0.041	16.17	17M9G7D
		QPSK	0.042	16.22	18M9G7D
		16QAM	0.026	14.08	18M9D7W
		64QAM	0.022	13.42	18M9D7W
		256QAM	0.014	11.49	18M9D7W

3. The EUT supports the following ENDC configuration.

5G NR	FCC 5G FR1			ENDC
	Band	SCS	Bandwidth (MHz)	
	n41	30 kHz	20/30/40/50/60/70/80/90/100	
	n71	15 kHz	5/10/15/20	

*For 5G NR ENDC mode configuration, please consult the manufacturer to declare the test mode.

*The EUT support SA mode and nSA mode, after verification, SA mode was the worst case and chose for final test.

*The EUT support n41 SA mode and SRS mode, after verification, SA mode was the worst case and chose for final test.

*After evaluation, only the maximum power and bandwidth of each frequency band are presented in the test report for a spot-check. Please refer to section 7.4.6 and 7.1.6.

4. DFT-s-OFDM* modulation is not supported in the 5G NR MIMO specification.

5. For detailed information about each WWAN bands frequency range, bandwidth mode of the product, please refer to section 3.3 of the report.

6. 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.

Type		FPC		
Connector		Contact spring		
Band		Freq. Range (MHz)	Gain (dBi)	
			WWAN-0 (A0)	WWAN-1 (A1)
5GNR n25	1TX (Diversity)	1850 ~ 1915	-0.35	1.70
5GNR n41	1TX (Diversity), 2TX	2496 ~ 2690	3.15	2.60
5GNR n66	1TX (Diversity)	1710 ~ 1780	1.87	-3.31
5GNR n71	1TX	663 ~ 698	-6.03	-

* 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.

* For 1TX (Diversity), the maximum antenna gain for each band were chosen for final test.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. The AC Adapter has the following models: AC Adapter 1 / AC Adapter 2. Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 3. The USB Cable has the following models: USB Cable 1 / USB Cable 2. Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 4. Pre-Scan has been conducted to determine the worst-case from all possible combinations of EUT configure mode (1TX or 2TX if available), channel, bandwidth, modulation and RB mode. See below table(s) for details.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: X-axis 2. The AC Adapter Worst Condition: AC Adapter 1 3. The USB Cable Worst Condition: USB Cable 1

3.3.1 NR n25 SCS 15 kHz

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	PC3 (1TX)	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) 381000(1905.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		372500(1862.50 MHz) 376500(1882.50 MHz) 380500(1902.50 MHz)	25 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		373000(1865.00 MHz) 376500(1882.50 MHz) 380000(1900.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		374000(1870.00 MHz) 376500(1882.50 MHz) 379000(1895.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	PC3 (1TX)	376500(1882.50 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	PC3 (1TX)	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) 381000(1905.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		372500(1862.50 MHz) 376500(1882.50 MHz) 380500(1902.50 MHz)	25 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		373000(1865.00 MHz) 376500(1882.50 MHz) 380000(1900.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		374000(1870.00 MHz) 376500(1882.50 MHz) 379000(1895.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	PC3 (1TX)	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) 381000(1905.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		372500(1862.50 MHz) 376500(1882.50 MHz) 380500(1902.50 MHz)	25 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		373000(1865.00 MHz) 376500(1882.50 MHz) 380000(1900.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		374000(1870.00 MHz) 376500(1882.50 MHz) 379000(1895.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	PC3 (1TX)	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) 381000(1905.00 MHz)	20 MHz	QPSK	1 RB Full RB
		372500(1862.50 MHz) 376500(1882.50 MHz) 380500(1902.50 MHz)	25 MHz	QPSK	1 RB Full RB
		373000(1865.00 MHz) 376500(1882.50 MHz) 380000(1900.00 MHz)	30 MHz	QPSK	1 RB Full RB
		374000(1870.00 MHz) 376500(1882.50 MHz) 379000(1895.00 MHz)	40 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	PC3 (1TX)	376500(1882.50 MHz)	40 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	PC3 (1TX)	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) 381000(1905.00 MHz)	20 MHz	QPSK	1 RB
		374000(1870.00 MHz) 376500(1882.50 MHz) 379000(1895.00 MHz)	40 MHz	QPSK	1 RB
Frequency Stability	PC3 (1TX)	374000(1870.00 MHz) 379000(1895.00 MHz)	40 MHz	QPSK	Full RB

3.3.2 NR n41 SCS 30 kHz

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	PC3 (1TX) PC2 (2TX)	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	PC3 (1TX)	518598(2592.99 MHz)	100 MHz	*BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

* BPSK Modulation is not supported in the 5G NR MIMO specification.

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	PC3 (1TX) PC2 (2TX)	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

* BPSK Modulation is not supported in the 5G NR MIMO specification.

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	PC3 (1TX) PC2 (2TX)	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

* BPSK Modulation is not supported in the 5G NR MIMO specification.

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	PC3 (1TX) PC2 (2TX)	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
Radiated Spurious Emissions below 1GHz	PC2 (2TX)	518598(2592.99 MHz)	100 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	PC2 (2TX)	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
Frequency Stability	PC2 (2TX)	509202(2546.01 MHz) 528000(2640.00 MHz)	100 MHz	QPSK	Full RB

3.3.3 NR n66 SCS 15 kHz

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	PC3 (1TX)	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
		344500(1722.50 MHz) 349000(1745.00 MHz) 353500(1767.50 MHz)	25 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
		346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	PC3 (1TX)	349000(1745.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	PC3 (1TX)	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
		344500(1722.50 MHz) 349000(1745.00 MHz) 353500(1767.50 MHz)	25 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
		346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	PC3 (1TX)	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
		344500(1722.50 MHz) 349000(1745.00 MHz) 353500(1767.50 MHz)	25 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
		346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	PC3 (1TX)	342500(1712.50 MHz) 349000(1745.00 MHz) 355500(1777.50 MHz)	5 MHz	QPSK	1 RB Full RB
		343000(1715.00 MHz) 349000(1745.00 MHz) 355000(1775.00 MHz)	10 MHz	QPSK	1 RB Full RB
		343500(1717.50 MHz) 349000(1745.00 MHz) 354500(1772.50 MHz)	15 MHz	QPSK	1 RB Full RB
		344000(1720.00 MHz) 349000(1745.00 MHz) 354000(1770.00 MHz)	20 MHz	QPSK	1 RB Full RB
		344500(1722.50 MHz) 349000(1745.00 MHz) 353500(1767.50 MHz)	25 MHz	QPSK	1 RB Full RB
		345000(1725.00 MHz) 349000(1745.00 MHz) 353000(1765.00 MHz)	30 MHz	QPSK	1 RB Full RB
		346000(1730.00 MHz) 349000(1745.00 MHz) 352000(1760.00 MHz)	40 MHz	QPSK	1 RB Full RB

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	PC3 (1TX)	349000(1745.00 MHz)	40 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	PC3 (1TX)	342500(1712.50 MHz)	5 MHz	QPSK	1 RB
		349000(1745.00 MHz)			
		355500(1777.50 MHz)			
		344000(1720.00 MHz)	20 MHz	QPSK	1 RB
		349000(1745.00 MHz)			
		354000(1770.00 MHz)	40 MHz	QPSK	1 RB
		346000(1730.00 MHz)			
		349000(1745.00 MHz)			
		352000(1760.00 MHz)	40 MHz	QPSK	1 RB
		346000(1730.00 MHz)			
Frequency Stability	PC3 (1TX)	346000(1730.00 MHz)	40 MHz	QPSK	Full RB
		352000(1760.00 MHz)			

3.3.4 NR n71 SCS 15 kHz

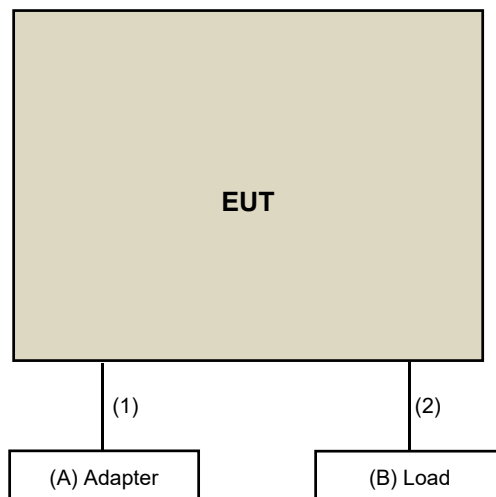
Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	PC3 (1TX)	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		134100(670.50 MHz) 136100(680.50 MHz) 138100(690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	PC3 (1TX)	136100(680.50 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	PC3 (1TX)	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		134100(670.50 MHz) 136100(680.50 MHz) 138100(690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	PC3 (1TX)	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		134100(670.50 MHz) 136100(680.50 MHz) 138100(690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tx/Rx Condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	PC3 (1TX)	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	QPSK	1 RB Full RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	QPSK	1 RB Full RB
		134100(670.50 MHz) 136100(680.50 MHz) 138100(690.50 MHz)	15 MHz	QPSK	1 RB Full RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	PC3 (1TX)	136100(680.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	PC3 (1TX)	133100(665.50 MHz) 136100(680.50 MHz) 139100(695.50 MHz)	5 MHz	QPSK	1 RB
		133600(668.00 MHz) 136100(680.50 MHz) 138600(693.00 MHz)	10 MHz	QPSK	1 RB
		134600(673.00 MHz) 136100(680.50 MHz) 137600(688.00 MHz)	20 MHz	QPSK	1 RB
Frequency Stability	PC3 (1TX)	134600(673.00 MHz) 137600(688.00 MHz)	20 MHz	QPSK	Full RB

3.4 Test Program Used and Operation Descriptions

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

3.5 Connection Diagram of EUT and Peripheral Devices



Remote Site



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	SUNUN	P181	N/A	N/A	Accessory of EUT
B	Load	N/A	N/A	N/A	N/A	Provided by Lab
C	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	NA	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB Cable	1	1.0	Y	0	Accessory of EUT
2	RJ45 Cable	1	1.5	N	0	Provided by Lab

4 Test Instruments

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

4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2025/4/8	2026/4/7
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/11/11 ~ 2025/12/11

4.2 Modulation Characteristics

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/12/10

4.3 Peak to Average Ratio

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/11/18 ~ 2025/12/10

4.4 Bandwidth

Refer to section 4.3 to get the tested date and information of the instruments.

4.5 Conducted Spurious Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/11/10 ~ 2025/12/10

4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2025/9/16	2026/9/15
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
Preamplifier Agilent	8447D	2944A10638	2025/4/27	2026/4/26
Preamplifier EMCI	EMC001340	980201	2025/9/21	2026/9/20
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2025/4/27	2026/4/26
Signal & Spectrum Analyzer R&S	FSW43	101866	2025/3/25	2026/3/24
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2025/11/10

4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2024/11/10	2025/11/9
	BBHA 9170	9170-480	2024/11/10	2025/11/9
		BBHA9170243	2024/11/10	2025/11/9
Preamplifier Agilent	8449B	3008A02367	2025/1/5	2026/1/4
Preamplifier EMCI	EMC 184045	980116	2025/9/21	2026/9/20
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2025/6/30	2026/6/29
	EMC102-KM-KM-3000	150929	2025/6/30	2026/6/29
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2025/1/5	2026/1/4
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2025/1/5	2026/1/4
Signal & Spectrum Analyzer R&S	FSW43	101866	2025/3/25	2026/3/24
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2025/11/7

4.8 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply OWON	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	8050A	4660081	2025/6/6	2026/6/5
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	MHU-225AU	920842	2025/6/25	2026/6/24

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/12/11

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For NR n25 SCS 15 kHz:

Mobile and portable stations are limited to 2 watts EIRP.

For NR n41 SCS 30 kHz:

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

For NR n66 SCS 15 kHz:

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

For NR n71 SCS 15 kHz:

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

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 n25 SCS 15 kHz:

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

For NR n41 SCS 30 kHz:

According to FCC 47 CFR part 27.53(m)(4) regulations, any transmit power outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ 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.

Note: This device can be implement MIMO function, so the limit of emission mask / conducted emissions needs to be reduced by $10 \cdot \log(\text{NumbersAnt})$ according to FCC KDB 662911 D01 guidance.

For NR n66 SCS 15 kHz:

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

For NR n71 SCS 15 kHz:

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

5.6 Radiated Spurious Emissions below 1GHz

For NR n25 SCS 15 kHz:

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

For NR n41 SCS 30 kHz:

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

For NR n66 SCS 15 kHz:

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

For NR n71 SCS 15 kHz:

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

5.7 Radiated Spurious Emissions above 1GHz

For NR n25 SCS 15 kHz:

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

For NR n41 SCS 30 kHz:

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

For NR n66 SCS 15 kHz:

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

For NR n71 SCS 15 kHz:

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

5.8 Frequency Stability

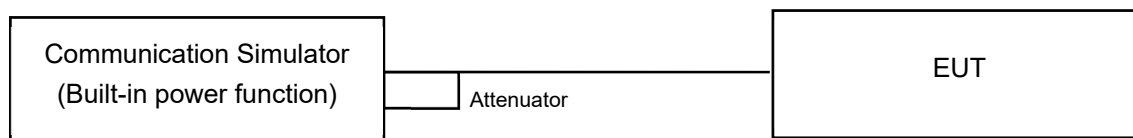
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation (authorized frequency block).

6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

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

Maximum EIRP / ERP

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

$$\text{EIRP} = P_{\text{Meas}} + G_T$$

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

where

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

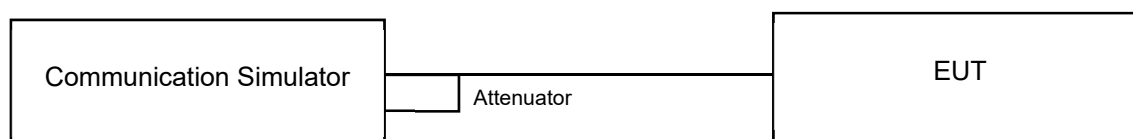
(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

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

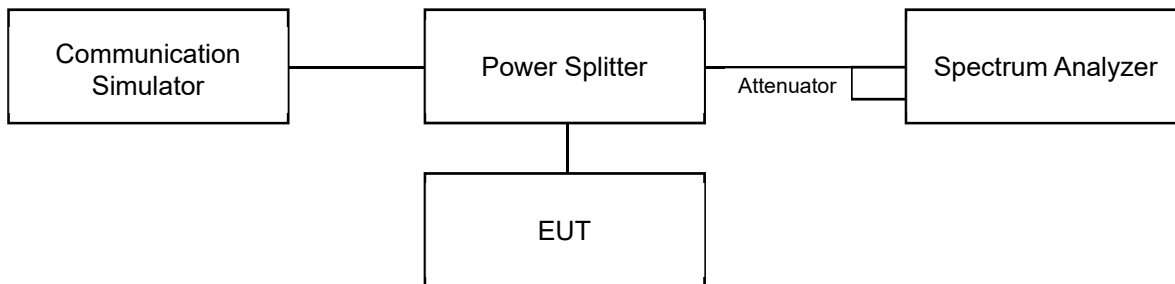


6.2.2 Test Procedure

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

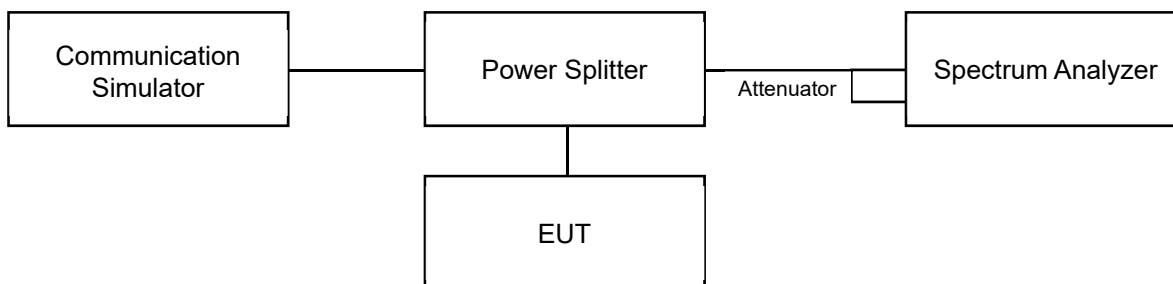


6.3.2 Test Procedure

- Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- 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.

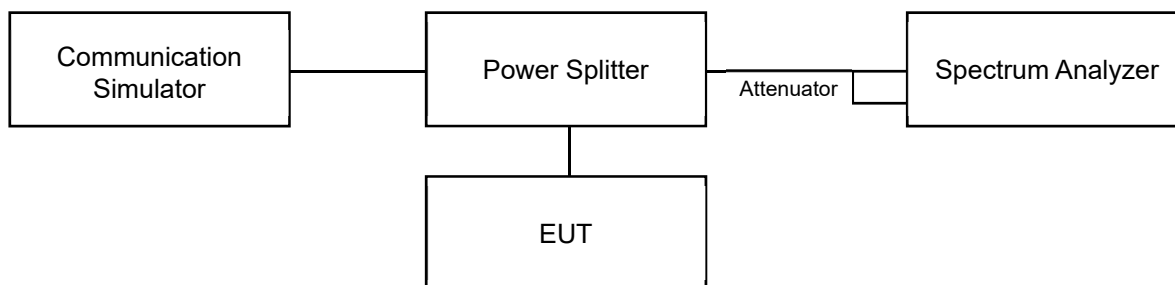
- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and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

- 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.
- The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- 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.
- Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- If the instrument does not have a 99% OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5% of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5% of the total is reached and record that frequency as the upper OBW frequency. The 99% power OBW can be determined by computing the difference these two frequencies.
- The OBW shall be reported by providing plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

6.5 Conducted Spurious Emissions

6.5.1 Test Setup



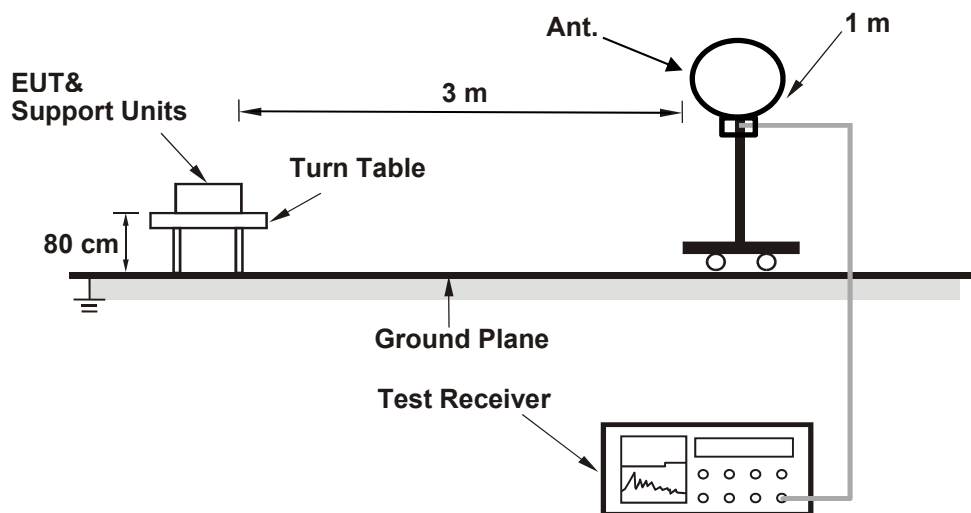
6.5.2 Test Procedure

- a. Measurement refer to ANSI C63.26 section 5.7.
- b. All measurements were done at 3 channels: low, middle and high operational frequency range.
- c. Measuring frequency range is from 9 kHz up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. 10 dB attenuation pad is connected with spectrum.
- d. The fundamental frequency above 1 GHz, the spectrum set RBW = 1 MHz, VBW = 3 MHz, Detector = Average.
- e. The fundamental frequency below 1 GHz, the spectrum set RBW $\geq$ 100 kHz, VBW $\geq$ 3 x RBW, Detector = Average.
- f. Measuring frequency band edge, narrow RBW (no less than 1% of the OBW) is used for conducted emission measurement.
- g. For the emissions measurement method, certain channel BW modes demonstrate compliance by integrating with the smaller RBW allowed by the rule.
For example: Where Reference RBW = 1 MHz and a smaller RBW = 100 kHz is used, worst-case integrated BW power = [Max Measured Value (dBm) with RBW = 100 kHz] + $10 \cdot \log(1000/100)$. To compensate for this integration before comparison to the value, the adjusted reference level offset was increase by 10 dB accordingly.
- h. The device has MIMO function, so the limit of conducted spurious emissions need to be measurement add $10\log(\text{NumbersANT})$ according to FCC KDB 662911 D01 guidance. Therefore, the $10\log(\text{NumbersANT})$ value is added to the spectrum Ref. level offset during testing. For example, the band edge and conducted spurious emission plots for the MIMO (2TX) WWAN bands show that a reference level offset of 18.01 dB is used (15 dB includes attenuation and cable loss + $10 \cdot \log(2)$ to account for MIMO WWAN bands reference level = $15 + 3.01 = 18.01$ dB).
- i. Record the maximum power value test plot.

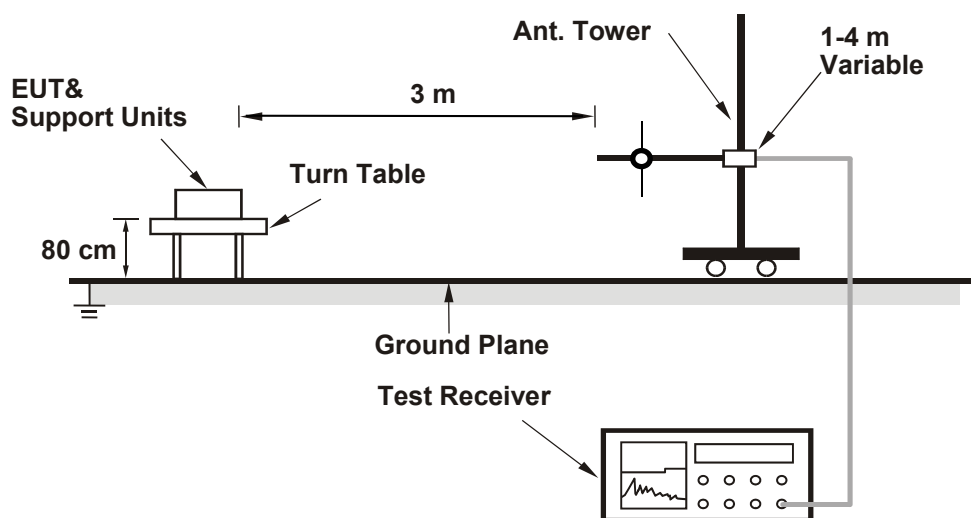
6.6 Radiated Spurious Emissions below 1GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.6.2 Test Procedure

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

- a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- d. Following ANSI C63.26 section 5.5 and 5.2.7
- e. $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- f. $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

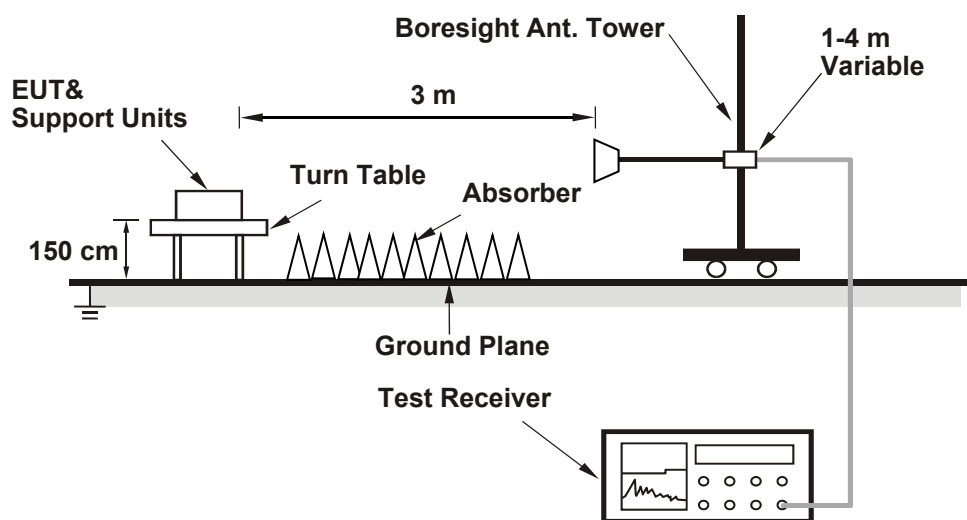
Note:

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

6.7 Radiated Spurious Emissions above 1GHz

6.7.1 Test Setup

For radiated emission above 1 GHz



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

6.7.2 Test Procedure

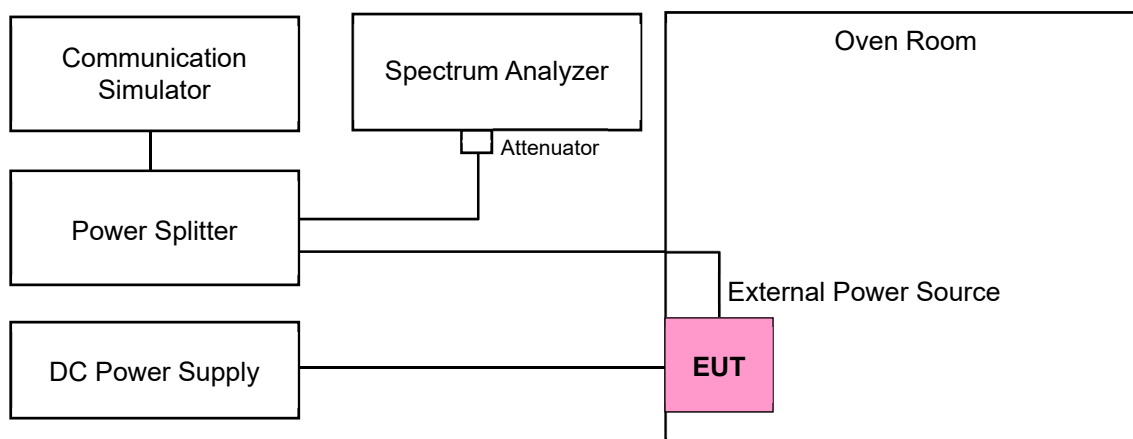
The EUT is configured to set data modulation and maximum power using WWAN technology.

- 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.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- Following ANSI C63.26 section 5.5 and 5.2.7
- $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

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

6.8 Frequency Stability

6.8.1 Test Setup



6.8.2 Test Procedure

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

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

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

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	3.85 Vdc	Environmental Conditions:	23°C, 62% RH	Tested By:	Charles Hsiao
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7.1.1 NR n25 SCS 15 kHz - SISO

NR n25 SCS 15 kHz, SISO, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 370500	CH 376500	CH 382500
			1852.5 MHz	1882.5 MHz	1912.5 MHz
BPSK	1	1	24.12	24.24	24.22
	1	0	23.10	23.42	23.38
QPSK	1	1	24.06	24.27	24.14
	1	0	22.84	22.97	22.96
	1	13	23.88	24.07	24.05
	1	23	23.96	24.06	23.97
	1	24	22.83	23.12	23.06
	12	0	23.01	23.29	23.24
	12	7	24.16	24.31	24.23
	12	13	23.11	23.22	23.23
	25	0	23.08	23.29	23.33
16QAM	1	0	22.16	22.30	22.23
64QAM	1	0	21.39	21.65	21.51
256QAM	1	0	19.41	19.67	19.51

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.1	24.24	24.8	25.94	33.01
QPSK	22.83	24.31	24.53	26.01	33.01
16QAM	22.16	22.3	23.86	24	33.01
64QAM	21.39	21.65	23.09	23.35	33.01
256QAM	19.41	19.67	21.11	21.37	33.01

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

NR n25 SCS 15 kHz, SISO, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 371000	CH 376500	CH 382000
			1855 MHz	1882.5 MHz	1910 MHz
BPSK	1	1	24.03	24.27	24.20
	1	0	23.09	23.34	23.39
QPSK	1	1	24.13	24.27	24.24
	1	0	22.78	22.99	22.94
	1	26	23.93	24.06	24.00
	1	50	23.88	24.06	23.95
	1	51	22.80	23.05	23.05
	25	0	23.10	23.30	23.23
	25	14	24.12	24.22	24.23
	25	27	23.06	23.31	23.14
	50	0	23.05	23.35	23.32
	52	0	21.11	21.51	21.48
16QAM	1	0	22.24	22.39	22.37
64QAM	1	0	21.36	21.65	21.48
256QAM	1	0	19.36	19.62	19.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.09	24.27	24.79	25.97	33.01
QPSK	21.11	24.27	22.81	25.97	33.01
16QAM	22.24	22.39	23.94	24.09	33.01
64QAM	21.36	21.65	23.06	23.35	33.01
256QAM	19.36	19.63	21.06	21.33	33.01

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

NR n25 SCS 15 kHz, SISO, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 371500	CH 376500	CH 381500
			1857.5 MHz	1882.5 MHz	1907.5 MHz
BPSK	1	1	24.08	24.22	24.23
	1	0	23.11	23.39	23.34
QPSK	1	1	24.12	24.24	24.16
	1	0	22.84	22.96	22.94
	1	40	23.82	24.02	24.06
	1	77	23.89	24.07	24.01
	1	78	22.90	23.00	23.02
	36	0	23.08	23.17	23.17
	36	22	24.14	24.36	24.23
	36	43	23.04	23.26	23.22
	75	0	23.16	23.33	23.29
	79	0	21.29	21.46	21.44
16QAM	1	0	22.19	22.39	22.26
64QAM	1	0	21.37	21.63	21.55
256QAM	1	0	19.38	19.62	19.61

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.11	24.23	24.81	25.93	33.01
QPSK	21.29	24.36	22.99	26.06	33.01
16QAM	22.19	22.39	23.89	24.09	33.01
64QAM	21.37	21.63	23.07	23.33	33.01
256QAM	19.38	19.62	21.08	21.32	33.01

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

NR n25 SCS 15 kHz, SISO, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 372000	CH 376500	CH 381000
			1860 MHz	1882.5 MHz	1905 MHz
BPSK	1	1	24.00	24.27	24.24
	1	0	23.16	23.34	23.25
QPSK	1	1	24.10	24.18	24.19
	1	0	22.81	23.05	22.91
	1	53	23.82	24.11	24.04
	1	104	23.93	24.18	24.05
	1	105	22.86	23.13	23.04
	50	0	23.11	23.28	23.23
	50	28	24.17	24.30	24.34
	50	56	23.14	23.28	23.12
	100	0	23.17	23.32	23.24
	106	0	21.25	21.41	21.37
16QAM	1	0	22.24	22.30	22.37
64QAM	1	0	21.39	21.67	21.45
256QAM	1	0	19.46	19.62	19.56

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.16	24.27	24.86	25.97	33.01
QPSK	21.25	24.34	22.95	26.04	33.01
16QAM	22.24	22.37	23.94	24.07	33.01
64QAM	21.39	21.67	23.09	23.37	33.01
256QAM	19.46	19.62	21.16	21.32	33.01

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

NR n25 SCS 15 kHz, SISO, Channel Bandwidth: 25 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 372500	CH 376500	CH 380500
			1862.5 MHz	1882.5 MHz	1902.5 MHz
BPSK	1	1	24.02	24.27	24.23
	1	0	23.12	23.39	23.39
QPSK	1	1	24.13	24.26	24.14
	1	0	22.82	23.01	22.94
	1	67	23.93	24.02	23.98
	1	131	23.91	24.14	24.01
	1	132	22.87	23.13	23.00
	64	0	23.03	23.28	23.22
	64	35	24.11	24.36	24.30
	64	69	23.06	23.30	23.16
	128	0	23.06	23.36	23.25
	133	0	21.18	21.45	21.34
16QAM	1	0	22.19	22.39	22.23
64QAM	1	0	21.42	21.64	21.56
256QAM	1	0	19.50	19.69	19.50

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.12	24.27	24.82	25.97	33.01
QPSK	21.18	24.36	22.88	26.06	33.01
16QAM	22.19	22.39	23.89	24.09	33.01
64QAM	21.42	21.64	23.12	23.34	33.01
256QAM	19.5	19.69	21.2	21.39	33.01

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

NR n25 SCS 15 kHz, SISO, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 373000	CH 376500	CH 380000
			1865 MHz	1882.5 MHz	1900 MHz
BPSK	1	1	24.01	24.21	24.16
	1	0	23.21	23.33	23.31
QPSK	1	1	24.03	24.23	24.17
	1	0	22.87	22.98	22.89
	1	80	23.83	24.04	23.95
	1	158	23.95	24.15	24.07
	1	159	22.86	23.06	22.99
	80	0	23.14	23.26	23.16
	80	40	24.17	24.29	24.22
	80	80	23.04	23.25	23.21
	160	0	23.08	23.33	23.24
16QAM	1	0	22.24	22.27	22.35
64QAM	1	0	21.36	21.65	21.50
256QAM	1	0	19.36	19.67	19.51

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.21	24.21	24.91	25.91	33.01
QPSK	22.86	24.29	24.56	25.99	33.01
16QAM	22.24	22.35	23.94	24.05	33.01
64QAM	21.36	21.65	23.06	23.35	33.01
256QAM	19.36	19.67	21.06	21.37	33.01

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

NR n25 SCS 15 kHz, SISO, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 374000	CH 376500	CH 379000
			1870 MHz	1882.5 MHz	1895 MHz
BPSK	1	1	24.14	24.32	24.28
	1	0	23.22	23.46	23.40
QPSK	1	1	24.15	24.33	24.29
	1	0	22.90	23.10	22.99
	1	108	23.94	24.14	24.08
	1	214	23.98	24.20	24.10
	1	215	22.93	23.14	23.12
	108	0	23.15	23.31	23.27
	108	54	24.19	24.37	24.35
	108	108	23.16	23.33	23.26
	216	0	23.20	23.39	23.36
16QAM	1	0	22.30	22.40	22.38
64QAM	1	0	21.51	21.71	21.60
256QAM	1	0	19.51	19.72	19.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.22	24.32	24.92	26.02	33.01
QPSK	22.9	24.37	24.6	26.07	33.01
16QAM	22.3	22.4	24	24.1	33.01
64QAM	21.51	21.71	23.21	23.41	33.01
256QAM	19.51	19.72	21.21	21.42	33.01

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

7.1.2 NR n41 SCS 30 kHz - SISO

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 501204	CH 518598	CH 535998
			2506.02 MHz	2592.99 MHz	2679.99 MHz
BPSK	1	1	23.08	23.29	22.96
	1	0	22.62	22.77	22.54
QPSK	1	1	23.09	23.26	23.04
	1	0	22.15	22.34	22.09
	1	26	22.82	23.02	22.77
	1	49	22.74	22.92	22.74
	1	50	23.06	23.21	22.95
	25	0	21.92	22.15	21.92
	25	13	22.73	22.95	22.67
	25	26	21.74	21.95	21.67
	50	0	21.81	22.06	21.83
	51	0	19.95	20.12	19.98
16QAM	1	0	21.15	21.37	21.09
64QAM	1	0	20.72	20.90	20.61
256QAM	1	0	18.69	18.86	18.61

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.54	23.29	25.69	26.44	33.01
QPSK	19.95	23.26	23.1	26.41	33.01
16QAM	21.09	21.37	24.24	24.52	33.01
64QAM	20.61	20.9	23.76	24.05	33.01
256QAM	18.61	18.86	21.76	22.01	33.01

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

NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 502200	CH 518598	CH 534996
			2511 MHz	2592.99 MHz	2674.98 MHz
BPSK	1	1	23.04	23.25	23.03
	1	0	22.58	22.85	22.54
QPSK	1	1	23.08	23.26	23.01
	1	0	22.12	22.35	22.09
	1	39	22.78	23.00	22.83
	1	76	22.72	22.93	22.73
	1	77	23.01	23.19	23.01
	36	0	21.93	22.08	21.94
	36	21	22.70	22.95	22.68
	36	42	21.70	21.98	21.74
	75	0	21.89	22.02	21.81
	78	0	20.01	20.17	19.95
16QAM	1	0	21.21	21.39	21.12
64QAM	1	0	20.65	20.81	20.67
256QAM	1	0	18.67	18.78	18.57

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.54	23.25	25.69	26.4	33.01
QPSK	19.95	23.26	23.1	26.41	33.01
16QAM	21.12	21.39	24.27	24.54	33.01
64QAM	20.65	20.81	23.8	23.96	33.01
256QAM	18.57	18.78	21.72	21.93	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 503202	CH 518598	CH 534000
			2516.01 MHz	2592.99 MHz	2670 MHz
BPSK	1	1	23.09	23.23	23.06
	1	0	22.61	22.83	22.56
QPSK	1	1	23.07	23.26	23.03
	1	0	22.16	22.36	22.16
	1	53	22.80	23.01	22.84
	1	104	22.75	22.92	22.65
	1	105	23.04	23.25	22.95
	50	0	21.90	22.11	21.87
	50	28	22.68	22.94	22.66
	50	56	21.74	21.93	21.73
	100	0	21.85	22.03	21.75
	106	0	19.97	20.15	19.89
16QAM	1	0	21.18	21.36	21.17
64QAM	1	0	20.65	20.81	20.61
256QAM	1	0	18.67	18.79	18.62

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.56	23.23	25.71	26.38	33.01
QPSK	19.89	23.26	23.04	26.41	33.01
16QAM	21.17	21.36	24.32	24.51	33.01
64QAM	20.61	20.81	23.76	23.96	33.01
256QAM	18.62	18.79	21.77	21.94	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 504204	CH 518598	CH 532998
			2521.02 MHz	2592.99 MHz	2664.99 MHz
BPSK	1	1	23.07	23.26	23.01
	1	0	22.64	22.85	22.55
QPSK	1	1	23.08	23.24	23.04
	1	0	22.14	22.30	22.14
	1	67	22.79	23.07	22.74
	1	131	22.77	22.91	22.68
	1	132	22.99	23.25	22.98
	64	0	21.88	22.13	21.85
	64	35	22.67	22.90	22.69
	64	69	21.80	21.95	21.70
	128	0	21.85	22.00	21.77
	133	0	19.99	20.22	19.97
16QAM	1	0	21.21	21.31	21.09
64QAM	1	0	20.73	20.86	20.69
256QAM	1	0	18.62	18.84	18.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.55	23.26	25.7	26.41	33.01
QPSK	19.97	23.25	23.12	26.4	33.01
16QAM	21.09	21.31	24.24	24.46	33.01
64QAM	20.69	20.86	23.84	24.01	33.01
256QAM	18.62	18.84	21.77	21.99	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 505200	CH 518598	CH 531996
			2526 MHz	2592.99 MHz	2659.98 MHz
BPSK	1	1	23.06	23.29	23.01
	1	0	22.63	22.86	22.55
QPSK	1	1	23.11	23.28	23.01
	1	0	22.15	22.33	22.11
	1	81	22.80	23.07	22.76
	1	160	22.78	22.97	22.68
	1	161	23.00	23.18	22.99
	81	0	21.94	22.15	21.93
	81	41	22.73	22.86	22.64
	81	81	21.71	21.89	21.74
	162	0	21.86	21.98	21.81
16QAM	1	0	21.16	21.31	21.14
64QAM	1	0	20.66	20.87	20.63
256QAM	1	0	18.61	18.82	18.58

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.55	23.29	25.7	26.44	33.01
QPSK	21.71	23.28	24.86	26.43	33.01
16QAM	21.14	21.31	24.29	24.46	33.01
64QAM	20.63	20.87	23.78	24.02	33.01
256QAM	18.58	18.82	21.73	21.97	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 506202	CH 518598	CH 531000
			2531.01 MHz	2592.99 MHz	2655 MHz
BPSK	1	1	23.00	23.19	22.99
	1	0	22.58	22.84	22.59
QPSK	1	1	23.04	23.28	22.99
	1	0	22.15	22.36	22.17
	1	95	22.88	22.99	22.74
	1	187	22.78	22.97	22.69
	1	188	23.03	23.23	23.02
	90	0	21.91	22.11	21.94
	90	50	22.68	22.95	22.68
	90	99	21.74	21.88	21.69
	180	0	21.89	21.98	21.81
	189	0	19.98	20.13	19.90
16QAM	1	0	21.18	21.34	21.11
64QAM	1	0	20.68	20.91	20.66
256QAM	1	0	18.62	18.82	18.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.58	23.19	25.73	26.34	33.01
QPSK	19.9	23.28	23.05	26.43	33.01
16QAM	21.11	21.34	24.26	24.49	33.01
64QAM	20.66	20.91	23.81	24.06	33.01
256QAM	18.62	18.82	21.77	21.97	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 507204	CH 518598	CH 529998
			2536.02 MHz	2592.99 MHz	2649.99 MHz
BPSK	1	1	23.01	23.25	23.05
	1	0	22.57	22.76	22.61
QPSK	1	1	23.08	23.29	23.03
	1	0	22.21	22.37	22.10
	1	109	22.78	22.99	22.79
	1	215	22.72	22.92	22.68
	1	216	23.04	23.22	22.98
	108	0	21.92	22.11	21.88
	108	55	22.71	22.94	22.68
	108	109	21.74	21.98	21.68
	216	0	21.86	22.02	21.75
	217	0	19.96	20.14	19.95
16QAM	1	0	21.18	21.34	21.09
64QAM	1	0	20.69	20.88	20.68
256QAM	1	0	18.61	18.79	18.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.57	23.25	25.72	26.4	33.01
QPSK	19.95	23.29	23.1	26.44	33.01
16QAM	21.09	21.34	24.24	24.49	33.01
64QAM	20.68	20.88	23.83	24.03	33.01
256QAM	18.61	18.79	21.76	21.94	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 508200	CH 518598	CH 528996
			2541 MHz	2592.99 MHz	2644.98 MHz
BPSK	1	1	23.04	23.20	22.97
	1	0	22.65	22.80	22.53
QPSK	1	1	23.06	23.28	22.99
	1	0	22.13	22.31	22.16
	1	123	22.80	23.03	22.75
	1	243	22.75	22.91	22.72
	1	244	23.05	23.19	23.00
	120	0	21.88	22.12	21.93
	120	63	22.76	22.94	22.67
	120	125	21.70	21.91	21.68
	243	0	21.79	22.00	21.75
	245	0	20.00	20.19	19.93
16QAM	1	0	21.18	21.32	21.11
64QAM	1	0	20.72	20.83	20.60
256QAM	1	0	18.67	18.76	18.62

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.53	23.2	25.68	26.35	33.01
QPSK	19.93	23.28	23.08	26.43	33.01
16QAM	21.11	21.32	24.26	24.47	33.01
64QAM	20.6	20.83	23.75	23.98	33.01
256QAM	18.62	18.76	21.77	21.91	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 509202	CH 518598	CH 528000
			2546.01 MHz	2592.99 MHz	2640 MHz
BPSK	1	1	23.1	23.29	23.06
	1	0	22.67	22.86	22.63
QPSK	1	1	23.12	23.31	23.08
	1	0	22.21	22.40	22.17
	1	137	22.88	23.07	22.84
	1	271	22.79	22.98	22.75
	1	272	23.06	23.20	23
	135	0	21.98	22.17	21.95
	135	69	22.77	22.96	22.73
	135	138	21.8	21.98	21.76
	270	0	21.89	22.07	21.85
	273	0	19.97	20.13	19.92
16QAM	1	0	21.21	21.39	21.17
64QAM	1	0	20.73	20.91	20.7
256QAM	1	0	18.7	18.86	18.67

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.63	23.29	25.78	26.44	33.01
QPSK	19.92	23.31	23.07	26.46	33.01
16QAM	21.17	21.39	24.32	24.54	33.01
64QAM	20.7	20.91	23.85	24.06	33.01
256QAM	18.67	18.86	21.82	22.01	33.01

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

7.1.3 NR n41 SCS 30 kHz - MIMO

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 501204			CH 518598			CH 535998		
			2506.02 MHz			2592.99 MHz			2679.99 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.53	22.74	26.16	23.10	23.61	26.37	23.16	23.02	26.10
	1	0	21.12	20.87	24.01	21.20	20.94	24.08	21.36	20.90	24.15
	1	26	23.02	22.99	26.02	23.37	23.15	26.27	23.40	23.07	26.25
	1	49	23.48	23.05	26.28	23.55	22.98	26.28	23.48	22.97	26.24
	1	50	21.35	20.93	24.16	21.31	20.88	24.11	21.33	20.83	24.10
	25	0	21.66	21.12	24.41	21.61	21.35	24.49	21.65	21.57	24.62
	25	13	23.04	22.79	25.93	23.18	22.99	26.10	23.13	22.79	25.97
	25	26	21.53	21.35	24.45	21.70	21.40	24.56	21.72	21.23	24.49
	50	0	21.55	21.32	24.45	21.55	21.47	24.52	21.63	21.28	24.47
	51	0	21.56	21.32	24.45	21.53	21.34	24.45	21.58	21.29	24.45
16QAM	1	0	20.45	20.28	23.38	20.53	20.34	23.45	20.45	20.31	23.39
64QAM	1	0	19.91	19.87	22.90	19.93	19.90	22.93	19.97	19.95	22.97
256QAM	1	0	18.02	17.94	20.99	18.09	17.94	21.03	17.96	17.86	20.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.01	26.37	27.16	29.52	33.01
16QAM	23.38	23.45	26.53	26.6	33.01
64QAM	22.9	22.97	26.05	26.12	33.01
256QAM	20.92	21.03	24.07	24.18	33.01

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

NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 502200			CH 518598			CH 534996		
			2511 MHz			2592.99 MHz			2674.98 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.48	22.73	26.13	23.07	23.60	26.35	23.26	23.08	26.18
	1	0	21.14	20.86	24.01	21.19	20.88	24.05	21.38	20.90	24.16
	1	39	23.10	22.97	26.05	23.39	23.12	26.27	23.39	23.01	26.21
	1	76	23.46	23.08	26.28	23.59	23.01	26.32	23.50	23.00	26.27
	1	77	21.34	21.01	24.19	21.31	20.84	24.09	21.28	20.83	24.07
	36	0	21.67	21.19	24.45	21.58	21.36	24.48	21.64	21.46	24.56
	36	21	22.96	22.83	25.91	23.11	22.95	26.04	23.21	22.78	26.01
	36	42	21.51	21.22	24.38	21.72	21.41	24.58	21.74	21.23	24.50
	75	0	21.49	21.27	24.39	21.62	21.42	24.53	21.73	21.36	24.56
	78	0	21.48	21.24	24.37	21.64	21.44	24.55	21.61	21.22	24.43
16QAM	1	0	20.40	20.34	23.38	20.44	20.37	23.42	20.40	20.35	23.39
64QAM	1	0	19.98	19.79	22.90	20.01	19.91	22.97	19.99	19.89	22.95
256QAM	1	0	18.07	17.92	21.01	18.02	17.97	21.01	17.92	17.86	20.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.01	26.35	27.16	29.5	33.01
16QAM	23.38	23.42	26.53	26.57	33.01
64QAM	22.9	22.97	26.05	26.12	33.01
256QAM	20.9	21.01	24.05	24.16	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 503202			CH 518598			CH 534000		
			2516.01 MHz			2592.99 MHz			2670 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.44	22.80	26.14	23.05	23.61	26.35	23.21	23.06	26.15
	1	0	21.10	20.83	23.98	21.15	20.91	24.04	21.35	20.93	24.16
	1	53	23.07	22.98	26.04	23.35	23.06	26.22	23.45	22.97	26.23
	1	104	23.47	23.13	26.31	23.59	22.90	26.27	23.54	22.95	26.27
	1	105	21.32	21.03	24.19	21.24	20.91	24.09	21.25	20.77	24.03
	50	0	21.57	21.17	24.38	21.54	21.38	24.47	21.70	21.51	24.62
	50	28	22.93	22.77	25.86	23.06	22.99	26.04	23.13	22.82	25.99
	50	56	21.53	21.33	24.44	21.75	21.48	24.63	21.66	21.28	24.48
	100	0	21.46	21.29	24.39	21.65	21.43	24.55	21.71	21.25	24.50
	106	0	21.48	21.25	24.38	21.55	21.42	24.50	21.67	21.25	24.48
16QAM	1	0	20.42	20.28	23.36	20.52	20.34	23.44	20.37	20.29	23.34
64QAM	1	0	19.93	19.76	22.86	19.95	19.83	22.90	20.02	19.99	23.02
256QAM	1	0	18.03	17.86	20.96	18.08	18.01	21.06	17.99	17.98	21.00

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.98	26.35	27.13	29.5	33.01
16QAM	23.34	23.44	26.49	26.59	33.01
64QAM	22.86	23.02	26.01	26.17	33.01
256QAM	20.96	21.06	24.11	24.21	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 504204			CH 518598			CH 532998		
			2521.02 MHz			2592.99 MHz			2664.99 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.53	22.75	26.17	23.01	23.47	26.26	23.21	23.02	26.13
	1	0	21.24	20.91	24.09	21.13	20.92	24.04	21.48	20.86	24.19
	1	67	23.10	22.98	26.05	23.35	23.18	26.28	23.33	23.01	26.18
	1	131	23.40	23.00	26.21	23.56	22.92	26.26	23.53	22.98	26.27
	1	132	21.35	20.90	24.14	21.34	20.81	24.09	21.21	20.87	24.05
	64	0	21.67	21.16	24.43	21.57	21.27	24.43	21.68	21.56	24.63
	64	35	22.95	22.85	25.91	23.10	22.93	26.03	23.25	22.72	26.00
	64	69	21.64	21.33	24.50	21.64	21.40	24.53	21.74	21.24	24.51
	128	0	21.58	21.39	24.50	21.67	21.44	24.57	21.71	21.30	24.52
	133	0	21.53	21.22	24.39	21.60	21.41	24.52	21.63	21.28	24.47
16QAM	1	0	20.51	20.25	23.39	20.53	20.32	23.44	20.49	20.34	23.43
64QAM	1	0	19.95	19.82	22.90	20.03	19.86	22.96	20.02	19.87	22.96
256QAM	1	0	18.10	17.92	21.02	17.98	17.99	21.00	17.93	17.92	20.94

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.04	26.28	27.19	29.43	33.01
16QAM	23.39	23.44	26.54	26.59	33.01
64QAM	22.9	22.96	26.05	26.11	33.01
256QAM	20.94	21.02	24.09	24.17	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 505200			CH 518598			CH 531996		
			2526 MHz			2592.99 MHz			2659.98 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.51	22.76	26.16	23.06	23.51	26.30	23.26	23.09	26.19
	1	0	21.14	20.91	24.04	21.17	20.84	24.02	21.49	20.90	24.22
	1	81	23.02	22.95	26.00	23.37	23.17	26.28	23.33	22.97	26.16
	1	160	23.50	23.00	26.27	23.63	22.97	26.32	23.52	22.93	26.25
	1	161	21.43	20.90	24.18	21.28	20.90	24.10	21.23	20.87	24.06
	81	0	21.68	21.23	24.47	21.56	21.30	24.44	21.63	21.57	24.61
	81	41	22.96	22.79	25.89	23.14	22.96	26.06	23.13	22.70	25.93
	81	81	21.50	21.27	24.40	21.77	21.43	24.61	21.66	21.25	24.47
	162	0	21.46	21.38	24.43	21.62	21.34	24.49	21.67	21.27	24.48
16QAM	1	0	20.46	20.25	23.37	20.45	20.31	23.39	20.49	20.34	23.43
64QAM	1	0	19.96	19.78	22.88	20.02	19.83	22.94	19.99	19.96	22.99
256QAM	1	0	18.10	17.87	21.00	18.05	17.98	21.03	17.91	17.92	20.93

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.02	26.32	27.17	29.47	33.01
16QAM	23.37	23.43	26.52	26.58	33.01
64QAM	22.88	22.99	26.03	26.14	33.01
256QAM	20.93	21.03	24.08	24.18	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 506202			CH 518598			CH 531000		
			2531.01 MHz			2592.99 MHz			2655 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.53	22.77	26.18	22.99	23.48	26.25	23.26	23.10	26.19
	1	0	21.16	20.79	23.99	21.06	20.98	24.03	21.47	20.93	24.22
	1	95	23.13	23.07	26.11	23.39	23.18	26.30	23.35	23.05	26.21
	1	187	23.45	23.02	26.25	23.58	22.93	26.28	23.49	23.06	26.29
	1	188	21.43	20.93	24.20	21.27	20.86	24.08	21.33	20.84	24.10
	90	0	21.66	21.18	24.44	21.56	21.26	24.42	21.73	21.46	24.61
	90	50	23.01	22.85	25.94	23.14	23.01	26.09	23.17	22.74	25.97
	90	99	21.62	21.31	24.48	21.69	21.47	24.59	21.77	21.28	24.54
	180	0	21.53	21.37	24.46	21.67	21.43	24.56	21.68	21.33	24.52
	189	0	21.49	21.21	24.36	21.60	21.34	24.48	21.70	21.31	24.52
16QAM	1	0	20.46	20.31	23.40	20.47	20.32	23.41	20.43	20.41	23.43
64QAM	1	0	19.88	19.86	22.88	20.04	19.89	22.98	20.04	19.87	22.97
256QAM	1	0	18.10	17.85	20.99	17.98	17.95	20.98	17.98	17.86	20.93

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.99	26.3	27.14	29.45	33.01
16QAM	23.4	23.43	26.55	26.58	33.01
64QAM	22.88	22.98	26.03	26.13	33.01
256QAM	20.93	20.99	24.08	24.14	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 507204			CH 518598			CH 529998		
			2536.02 MHz			2592.99 MHz			2649.99 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.45	22.71	26.11	23.11	23.47	26.30	23.16	23.10	26.14
	1	0	21.19	20.87	24.04	21.18	20.89	24.05	21.43	20.95	24.21
	1	109	23.13	23.07	26.11	23.33	23.09	26.22	23.37	23.01	26.20
	1	215	23.37	23.07	26.23	23.53	22.90	26.24	23.53	22.94	26.26
	1	216	21.37	20.96	24.18	21.24	20.83	24.05	21.21	20.79	24.02
	108	0	21.65	21.11	24.40	21.56	21.33	24.46	21.63	21.47	24.56
	108	55	23.01	22.84	25.94	23.13	22.89	26.02	23.20	22.74	25.99
	108	109	21.52	21.24	24.39	21.76	21.50	24.64	21.80	21.19	24.52
	216	0	21.52	21.39	24.47	21.67	21.46	24.58	21.59	21.31	24.46
	217	0	21.46	21.20	24.34	21.65	21.36	24.52	21.59	21.22	24.42
16QAM	1	0	20.54	20.35	23.46	20.46	20.34	23.41	20.49	20.38	23.45
64QAM	1	0	19.99	19.83	22.92	19.96	19.91	22.95	20.02	20.00	23.02
256QAM	1	0	18.00	17.85	20.94	18.10	18.00	21.06	17.94	17.86	20.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.02	26.3	27.17	29.45	33.01
16QAM	23.41	23.46	26.56	26.61	33.01
64QAM	22.92	23.02	26.07	26.17	33.01
256QAM	20.91	21.06	24.06	24.21	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 508200			CH 518598			CH 528996		
			2541 MHz			2592.99 MHz			2644.98 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.51	22.78	26.17	22.99	23.59	26.31	23.16	23.08	26.13
	1	0	21.14	20.89	24.03	21.09	20.94	24.03	21.43	20.96	24.21
	1	123	23.16	23.07	26.13	23.32	23.20	26.27	23.38	23.08	26.24
	1	243	23.45	23.06	26.27	23.63	22.91	26.30	23.46	23.07	26.28
	1	244	21.39	20.91	24.17	21.31	20.85	24.10	21.20	20.85	24.04
	120	0	21.61	21.24	24.44	21.65	21.30	24.49	21.71	21.50	24.62
	120	63	22.97	22.82	25.91	23.05	22.98	26.03	23.14	22.79	25.98
	120	125	21.55	21.31	24.44	21.73	21.47	24.61	21.72	21.15	24.45
	243	0	21.46	21.36	24.42	21.68	21.41	24.56	21.71	21.38	24.56
	245	0	21.48	21.22	24.36	21.60	21.37	24.50	21.61	21.20	24.42
16QAM	1	0	20.50	20.21	23.37	20.50	20.39	23.46	20.38	20.27	23.34
64QAM	1	0	19.88	19.75	22.83	19.99	19.83	22.92	19.98	19.91	22.96
256QAM	1	0	18.08	17.88	20.99	17.99	17.95	20.98	17.99	17.96	20.99

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.03	26.31	27.18	29.46	33.01
16QAM	23.34	23.46	26.49	26.61	33.01
64QAM	22.83	22.96	25.98	26.11	33.01
256QAM	20.98	20.99	24.13	24.14	33.01

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 509202			CH 518598			CH 528000		
			2546.01 MHz			2592.99 MHz			2640 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
QPSK	1	1	23.57	22.84	26.23	23.13	23.62	26.39	23.29	23.14	26.23
	1	0	21.25	20.93	24.10	21.21	20.99	24.11	21.50	20.98	24.26
	1	137	23.17	23.09	26.14	23.41	23.21	26.32	23.46	23.12	26.30
	1	271	23.52	23.15	26.35	23.67	23.03	26.37	23.60	23.08	26.36
	1	272	21.47	21.04	24.27	21.39	20.93	24.18	21.34	20.91	24.14
	135	0	21.71	21.26	24.50	21.66	21.41	24.55	21.75	21.60	24.69
	135	69	23.07	22.89	25.99	23.19	23.02	26.12	23.26	22.85	26.07
	135	138	21.65	21.36	24.52	21.78	21.54	24.67	21.81	21.30	24.57
	270	0	21.61	21.40	24.52	21.70	21.49	24.61	21.74	21.40	24.58
	273	0	21.60	21.35	24.49	21.68	21.46	24.58	21.73	21.32	24.54
16QAM	1	0	20.55	20.36	23.47	20.58	20.4	23.50	20.5	20.42	23.47
64QAM	1	0	20	19.88	22.95	20.08	19.98	23.04	20.05	20.01	23.04
256QAM	1	0	18.11	18	21.07	18.12	18.05	21.10	18.05	18.01	21.04

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.1	26.39	27.25	29.54	33.01
16QAM	23.47	23.5	26.62	26.65	33.01
64QAM	22.95	23.04	26.1	26.19	33.01
256QAM	21.04	21.1	24.19	24.25	33.01

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

7.1.4 NR n66 SCS 15 kHz - SISO

NR n66 SCS 15 kHz, SISO, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 342500	CH 349000	CH 355500
			1712.5 MHz	1745 MHz	1777.5 MHz
BPSK	1	1	24.06	24.11	23.97
	1	0	23.28	23.24	23.16
QPSK	1	1	24.01	24.05	24.09
	1	0	22.84	22.91	22.98
	1	13	23.97	24.03	24.11
	1	23	24.10	24.16	24.01
	1	24	22.93	22.99	22.87
	12	0	23.01	23.19	23.16
	12	7	24.24	24.32	24.26
	12	13	23.15	23.12	23.13
	25	0	23.25	23.28	23.16
16QAM	1	0	22.12	22.18	22.01
64QAM	1	0	21.44	21.40	21.37
256QAM	1	0	19.55	19.70	19.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.16	24.11	25.03	25.98	30
QPSK	22.84	24.32	24.71	26.19	30
16QAM	22.01	22.18	23.88	24.05	30
64QAM	21.37	21.44	23.24	23.31	30
256QAM	19.55	19.7	21.42	21.57	30

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 343000	CH 349000	CH 355000
			1715 MHz	1745 MHz	1775 MHz
BPSK	1	1	24.04	24.14	24.00
	1	0	23.28	23.31	23.26
QPSK	1	1	24.12	24.15	24.00
	1	0	22.84	22.90	22.96
	1	26	23.96	24.07	24.03
	1	50	24.03	24.17	24.00
	1	51	22.87	23.00	22.88
	25	0	23.13	23.11	23.03
	25	14	24.26	24.24	24.25
	25	27	23.20	23.19	23.19
	50	0	23.18	23.29	23.22
	52	0	21.37	21.39	21.36
16QAM	1	0	22.16	22.18	22.02
64QAM	1	0	21.40	21.35	21.34
256QAM	1	0	19.67	19.67	19.54

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.26	24.14	25.13	26.01	30
QPSK	21.36	24.26	23.23	26.13	30
16QAM	22.02	22.18	23.89	24.05	30
64QAM	21.34	21.4	23.21	23.27	30
256QAM	19.54	19.67	21.41	21.54	30

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 343500	CH 349000	CH 354500
			1717.5 MHz	1745 MHz	1772.5 MHz
BPSK	1	1	23.98	24.06	23.99
	1	0	23.29	23.23	23.18
QPSK	1	1	24.15	24.16	24.11
	1	0	22.86	22.94	22.93
	1	40	23.98	24.15	24.05
	1	77	24.09	24.12	24.08
	1	78	22.89	23.01	22.92
	36	0	23.09	23.11	23.13
	36	22	24.25	24.28	24.22
	36	43	23.12	23.18	23.08
	75	0	23.19	23.34	23.16
	79	0	21.30	21.47	21.28
16QAM	1	0	22.11	22.19	22.04
64QAM	1	0	21.37	21.46	21.31
256QAM	1	0	19.55	19.60	19.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.18	24.06	25.05	25.93	30
QPSK	21.28	24.28	23.15	26.15	30
16QAM	22.04	22.19	23.91	24.06	30
64QAM	21.31	21.46	23.18	23.33	30
256QAM	19.55	19.65	21.42	21.52	30

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

NR n66 SCS 15 kHz, SISO, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 344000	CH 349000	CH 354000
			1720 MHz	1745 MHz	1770 MHz
BPSK	1	1	24.11	24.10	24.04
	1	0	23.21	23.32	23.21
QPSK	1	1	24.01	24.11	24.13
	1	0	22.84	22.97	22.90
	1	53	24.03	24.09	24.10
	1	104	24.08	24.09	24.11
	1	105	22.99	23.02	22.85
	50	0	23.15	23.16	23.06
	50	28	24.26	24.22	24.33
	50	56	23.18	23.25	23.08
	100	0	23.27	23.23	23.28
	106	0	21.33	21.29	21.36
16QAM	1	0	22.20	22.15	22.14
64QAM	1	0	21.39	21.36	21.27
256QAM	1	0	19.57	19.56	19.54

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.21	24.11	25.08	25.98	30
QPSK	21.29	24.33	23.16	26.2	30
16QAM	22.14	22.2	24.01	24.07	30
64QAM	21.27	21.39	23.14	23.26	30
256QAM	19.54	19.57	21.41	21.44	30

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

NR n66 SCS 15 kHz, SISO, Channel Bandwidth: 25 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 344500	CH 349000	CH 353500
			1722.5 MHz	1745 MHz	1767.5 MHz
BPSK	1	1	24.03	24.05	24.05
	1	0	23.25	23.29	23.28
QPSK	1	1	24.12	24.17	24.11
	1	0	22.85	22.88	22.98
	1	67	24.03	24.12	24.10
	1	131	24.01	24.16	24.11
	1	132	22.94	23.02	22.84
	64	0	23.10	23.14	23.12
	64	35	24.20	24.34	24.33
	64	69	23.14	23.11	23.13
	128	0	23.28	23.36	23.20
	133	0	21.46	21.51	21.35
16QAM	1	0	22.14	22.19	22.03
64QAM	1	0	21.37	21.44	21.26
256QAM	1	0	19.67	19.60	19.64

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.25	24.05	25.12	25.92	30
QPSK	21.35	24.34	23.22	26.21	30
16QAM	22.03	22.19	23.9	24.06	30
64QAM	21.26	21.44	23.13	23.31	30
256QAM	19.6	19.67	21.47	21.54	30

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

NR n66 SCS 15 kHz, SISO, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 345000	CH 349000	CH 353000
			1725 MHz	1745 MHz	1765 MHz
BPSK	1	1	24.10	24.10	24.05
	1	0	23.17	23.27	23.26
QPSK	1	1	24.04	24.13	24.08
	1	0	22.81	22.94	22.99
	1	80	24.05	24.13	24.12
	1	158	24.02	24.10	24.08
	1	159	22.95	22.93	22.80
	80	0	23.02	23.10	23.16
	80	40	24.24	24.24	24.23
	80	80	23.19	23.23	23.10
	160	0	23.25	23.30	23.22
16QAM	1	0	22.21	22.24	22.12
64QAM	1	0	21.45	21.45	21.36
256QAM	1	0	19.55	19.56	19.53

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.17	24.1	25.04	25.97	30
QPSK	22.8	24.24	24.67	26.11	30
16QAM	22.12	22.24	23.99	24.11	30
64QAM	21.36	21.45	23.23	23.32	30
256QAM	19.53	19.56	21.4	21.43	30

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

NR n66 SCS 15 kHz, SISO, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 346000	CH 349000	CH 352000
			1730 MHz	1745 MHz	1760 MHz
BPSK	1	1	24.13	24.15	24.10
	1	0	23.31	23.37	23.30
QPSK	1	1	24.16	24.20	24.15
	1	0	22.96	23.03	23.01
	1	108	24.10	24.17	24.16
	1	214	24.15	24.19	24.14
	1	215	23.01	23.03	22.93
	108	0	23.16	23.21	23.17
	108	54	24.33	24.36	24.34
	108	108	23.25	23.26	23.23
	216	0	23.32	23.37	23.30
16QAM	1	0	22.22	22.25	22.15
64QAM	1	0	21.46	21.49	21.40
256QAM	1	0	19.68	19.71	19.67

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	23.3	24.15	25.17	26.02	30
QPSK	22.93	24.36	24.8	26.23	30
16QAM	22.15	22.25	24.02	24.12	30
64QAM	21.4	21.49	23.27	23.36	30
256QAM	19.67	19.71	21.54	21.58	30

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

7.1.5 NR n71 SCS 15 kHz - SISO

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133100	CH 136100	CH 139100
			665.5 MHz	680.5 MHz	695.5 MHz
BPSK	1	1	24.21	24.33	24.14
	1	0	23.31	23.49	23.45
QPSK	1	1	24.29	24.36	24.34
	1	0	22.92	23.05	22.90
	1	13	24.03	24.10	24.18
	1	23	24.13	24.18	24.14
	1	24	23.13	23.13	23.05
	12	0	23.17	23.37	23.23
	12	7	24.08	24.26	24.17
	12	13	23.11	23.16	23.11
	25	0	23.34	23.27	23.13
16QAM	1	0	22.08	22.21	22.17
64QAM	1	0	21.50	21.56	21.33
256QAM	1	0	19.42	19.64	19.48

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
BPSK	23.31	24.33	15.13	16.15	34.77
QPSK	22.9	24.36	14.72	16.18	34.77
16QAM	22.08	22.21	13.9	14.03	34.77
64QAM	21.33	21.56	13.15	13.38	34.77
256QAM	19.42	19.64	11.24	11.46	34.77

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133600	CH 136100	CH 138600
			668 MHz	680.5 MHz	693 MHz
BPSK	1	1	24.25	24.25	24.09
	1	0	23.29	23.48	23.37
QPSK	1	1	24.28	24.26	24.22
	1	0	22.91	23.06	22.92
	1	26	24.12	24.17	24.18
	1	50	24.13	24.23	24.11
	1	51	23.01	23.12	23.01
	25	0	23.12	23.30	23.17
	25	14	24.02	24.14	24.17
	25	27	23.19	23.17	23.07
	50	0	23.28	23.37	23.18
	52	0	21.25	21.31	21.18
16QAM	1	0	22.11	22.14	22.09
64QAM	1	0	21.45	21.44	21.37
256QAM	1	0	19.44	19.54	19.52

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
BPSK	23.29	24.25	15.11	16.07	34.77
QPSK	21.18	24.28	13	16.1	34.77
16QAM	22.09	22.14	13.91	13.96	34.77
64QAM	21.37	21.45	13.19	13.27	34.77
256QAM	19.44	19.54	11.26	11.36	34.77

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 134100	CH 136100	CH 138100
			670.5 MHz	680.5 MHz	690.5 MHz
BPSK	1	1	24.19	24.30	24.07
	1	0	23.40	23.40	23.38
QPSK	1	1	24.27	24.32	24.36
	1	0	22.97	23.07	22.96
	1	40	24.02	24.22	24.08
	1	77	24.14	24.14	24.00
	1	78	23.03	23.13	23.10
	36	0	23.15	23.31	23.24
	36	22	24.10	24.22	24.24
	36	43	23.21	23.22	23.07
	75	0	23.37	23.34	23.20
	79	0	21.20	21.26	21.25
16QAM	1	0	22.13	22.12	22.13
64QAM	1	0	21.48	21.45	21.36
256QAM	1	0	19.49	19.60	19.58

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
BPSK	23.38	24.3	15.2	16.12	34.77
QPSK	21.2	24.36	13.02	16.18	34.77
16QAM	22.12	22.13	13.94	13.95	34.77
64QAM	21.36	21.48	13.18	13.3	34.77
256QAM	19.49	19.6	11.31	11.42	34.77

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 134600	CH 136100	CH 137600
			673 MHz	680.5 MHz	688 MHz
BPSK	1	1	24.32	24.35	24.21
	1	0	23.45	23.56	23.51
QPSK	1	1	24.35	24.40	24.38
	1	0	23.03	23.13	23.00
	1	53	24.14	24.26	24.21
	1	104	24.25	24.29	24.16
	1	105	23.16	23.19	23.15
	50	0	23.28	23.43	23.32
	50	28	24.18	24.30	24.27
	50	56	23.25	23.32	23.17
	100	0	23.41	23.43	23.29
	106	0	21.30	21.37	21.34
16QAM	1	0	22.21	22.26	22.23
64QAM	1	0	21.53	21.60	21.47
256QAM	1	0	19.58	19.67	19.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
BPSK	23.45	24.35	15.27	16.17	34.77
QPSK	21.3	24.4	13.12	16.22	34.77
16QAM	22.21	22.26	14.03	14.08	34.77
64QAM	21.47	21.6	13.29	13.42	34.77
256QAM	19.58	19.67	11.4	11.49	34.77

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

7.1.6 ENDC Mode

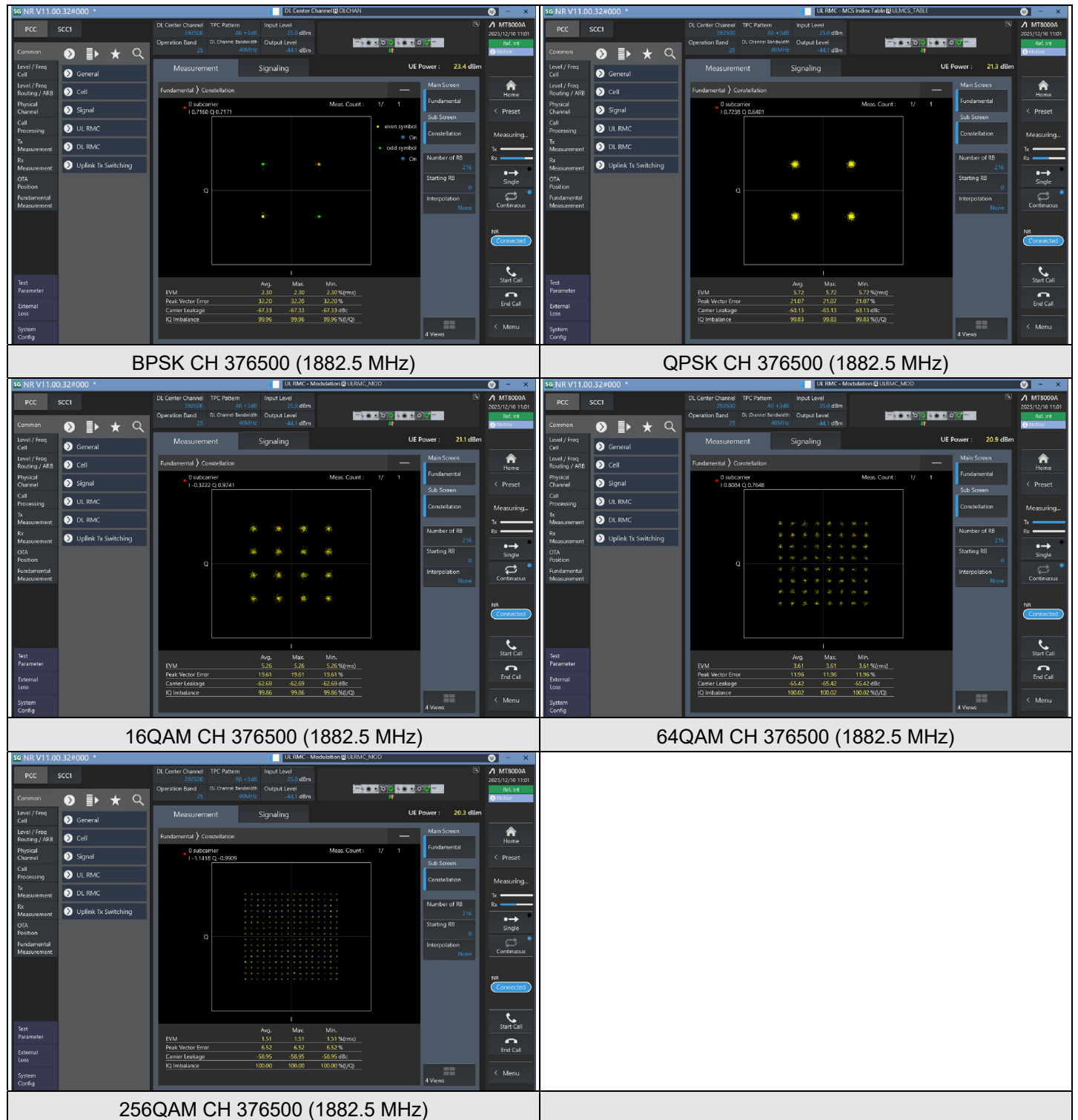
Combination	PCC							SCC						
	Band	BW (MHz)	Modulation	UL Channel	UL Frequency (MHz)	Conducted Power		Band	BW (MHz)	Modulation	UL Channel	UL Frequency (MHz)	Conducted Power	
						(dBm)	(W)						(dBm)	(W)
5G NR n41 + LTE B2	n41	100	QPSK	518598	2592.99	23.25	0.211349	B2	20	QPSK	18900	1880	24.41	0.276058
5G NR n71 + LTE B2	n71	20	QPSK	136100	680.5	24.26	0.266686	B2	20	QPSK	18900	1880	24.44	0.277971

7.2 Modulation Characteristics

Input Power:	3.85 Vdc	Environmental Conditions:	23°C, 56% RH	Tested By:	Willy Cheng
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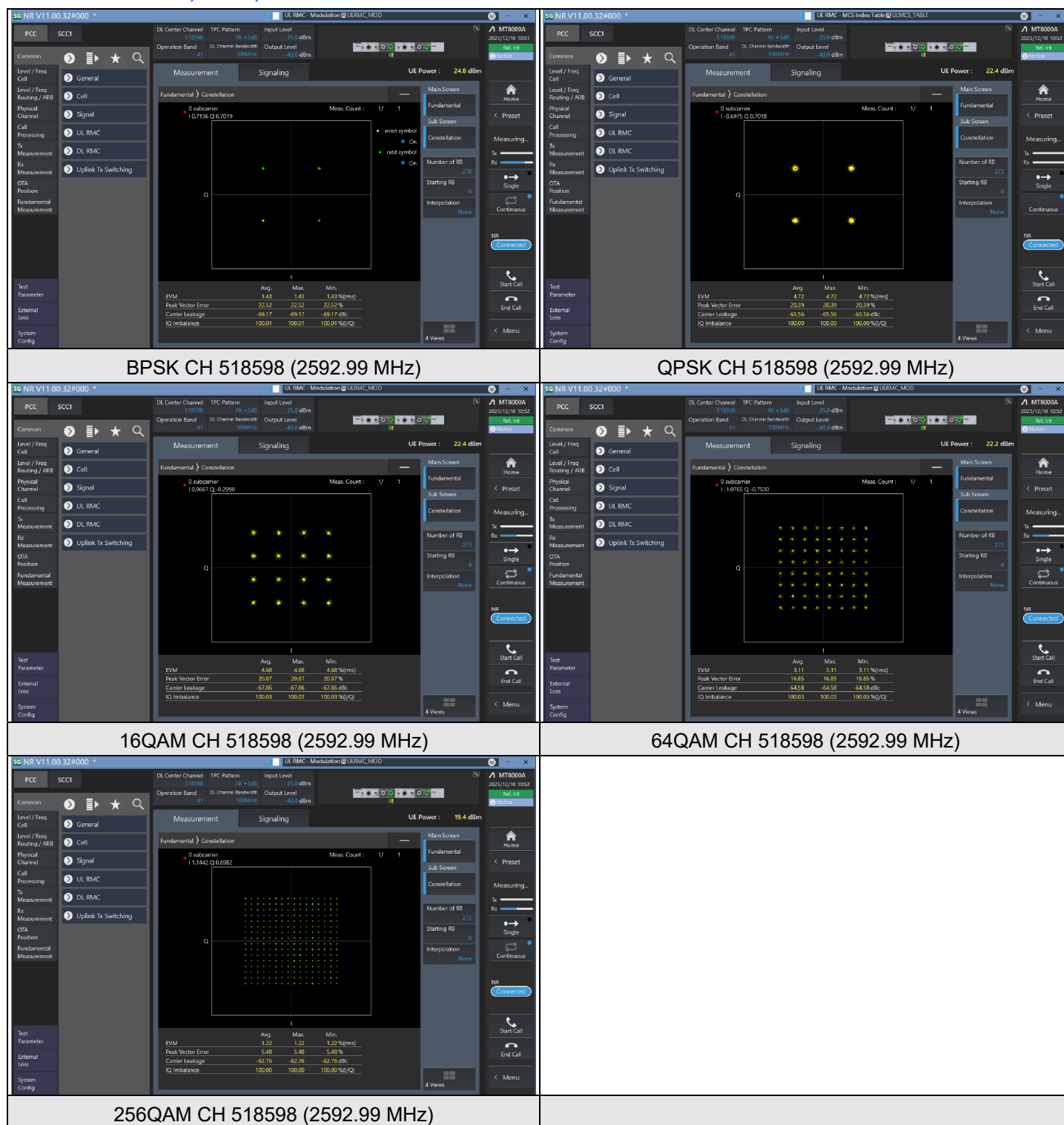
7.2.1 NR n25 SCS 15 kHz - SISO

NR n25 SCS 15 kHz, SISO, Channel Bandwidth: 40 MHz



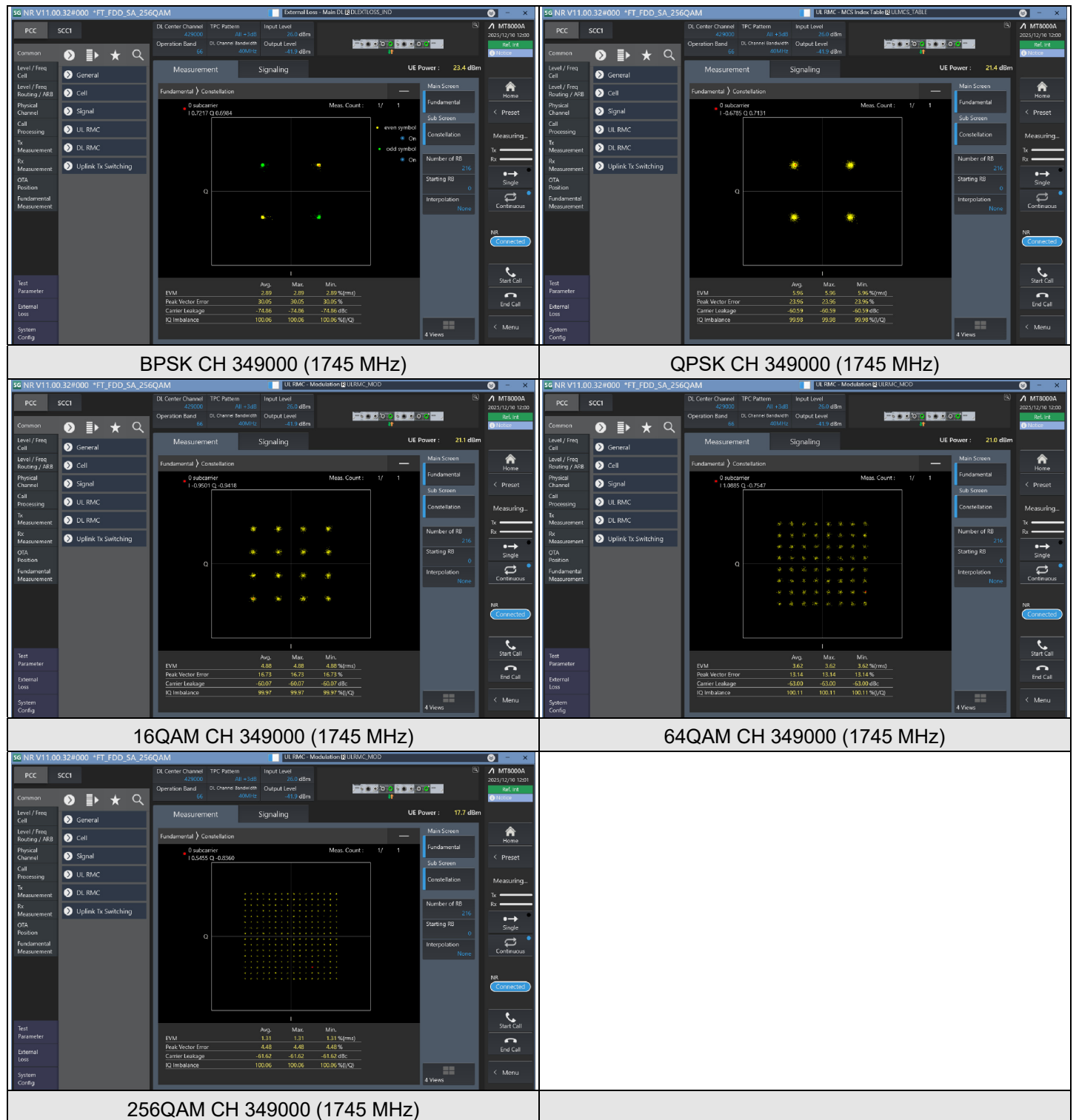
7.2.2 NR n41 SCS 30 kHz - MIMO

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



7.2.3 NR n66 SCS 15 kHz - SISO

NR n66 SCS 15 kHz, SISO, Channel Bandwidth: 40 MHz



7.2.4 NR n71 SCS 15 kHz - SISO

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

