TEST REPORT

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-5008-1021 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR23-SRF0267-B Page (1) of (696)	eurofins | KCTL

1. Client

- Name : Samsung Electronics Co., Ltd.
- Address : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
- Date of Receipt : 2023-09-05

2. Use of Report : Certification

3. Name of Product / Model : Tablet PC / SM-X308U

4. Manufacturer / Country of Origin : Samsung Electronics Co., Ltd. / Vietnam

5. FCC ID : A3LSMX308U

6. IC Certificate No. : 649E-SMX308U

7. Date of Test : 2023-09-20 to 2023-12-07

8. Location of Test : ■ Permanent Testing Lab ☐ On Site Testing
(Address:65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea)

9. Test method used : FCC Part 2 / RSS-Gen Issue 5
FCC Part 22 subpart H / RSS-132 Issue 4
FCC Part 24 subpart E / RSS-133 Issue 6
FCC Part 27 subpart C / RSS-130 Issue 2, RSS-139 Issue 4, RSS-192 Issue 5, RSS-199 Issue 4

10. Test Result : Refer to the test result in the test report

	Tested by	Technical Manager
Affirmation	Name : Kwonse Kim (Signature)	Name : Seungyong Kim (Signature)

2023-12-20

Eurofins KCTL Co.,Ltd.

REPORT REVISION HISTORY

Date	Revision	Page No
2023-11-27	Originally issued	-
2023-12-08	Added the SRS antenna information and revised typo	21, 683
	Additional test for 25MHz bandwidth of NR n77/78	All
2023-12-20	Updated	All

Note. The report No. KR23-SRF0267-A is superseded by the report No. KR23-SRF0267-B.

General remarks for test reports

Statement concerning the uncertainty of the measurement systems used for the tests

(may be required by the product standard or client)

☐ **Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:**

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the testing laboratory that conducted the testing.

☒ **Statement not required by the standard or client used for type testing**

CONTENTS

1. General information

Client	:	Samsung Electronics Co., Ltd.
Address	:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Manufacturer	:	Samsung Electronics Co., Ltd.
Address	:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Factory	:	Samsung Electronics Vietnam Thai Nguyen Co., Ltd
Address	:	Yen Binh Industrial Park, Dong Tien Ward, Pho Yen Town, Thai Nguyen Province, Vietnam
Laboratory	:	Eurofins KCTL Co.,Ltd.
Address	:	65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
Accreditations	:	FCC Site Designation No: KR0040, FCC Site Registration No: 687132 VCCI Registration No. : R-20080, G-20078, C-20059, T-20056 CAB Identifier: KR0040 IC Number: 8035A KOLAS No.: KT231

2. Device information

Equipment under test	:	Tablet PC		
Model	:	SM-X308U		
Modulation technique	:	DFT-s OFDM	:	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
		CP-OFDM	:	QPSK, 16QAM, 64QAM, 256QAM
Power source	:	DC 3.85 V		
Antenna specification	:	Main Antenna 1	:	LDS Antenna (NR n2/5/12/25/66/71)
		Main Antenna 2	:	LDS Antenna (NR n30/41/77/78)
		Sub Antenna 2	:	LDS Antenna (SRS Path3)
		Sub Antenna 3	:	LDS Antenna (SRS Path2)
		Sub Antenna 4	:	LDS Antenna (SRS Path1)
Antenna operation	:	SA/NSA (NR n2/5/12/25/66/71/30/48/77/78) SA (NR n41 PC2/PC3), NSA (NR n41 only PC3)		
Power Class 2	:	NR n41/77		
Sounding Reference Signals	:	NR n48/77/78		
Frequency range	:	5G NR n2	:	1 852.50 MHz ~ 1 907.50 MHz
		5G NR n5	:	826.50 MHz ~ 846.50 MHz
		5G NR n12	:	701.50 MHz ~ 713.50 MHz
		5G NR n25	:	1 852.50 MHz ~ 1 912.50 MHz
		5G NR n30	:	2 307.50 MHz ~ 2 312.50 MHz
		5G NR n41(FCC)	:	2 501.01 MHz ~ 2 685.00 MHz
		5G NR n41(IC)	:	2 505.00 MHz ~ 2 685.00 MHz
		5G NR n66	:	1 712.50 MHz ~ 1 777.50 MHz
		5G NR n71	:	665.50 MHz ~ 695.50 MHz
		5G NR n77 (Lower)	:	3 455.01 MHz ~ 3 544.98 MHz
		5G NR n77 (Upper)	:	3 705.00 MHz ~ 3 975.00 MHz
		5G NR n77 (IC)	:	3 455.01 MHz ~ 3 894.99 MHz
		5G NR n78 (Lower)	:	3 455.01 MHz ~ 3 544.98 MHz
		5G NR n78 (IC)	:	3 455.01 MHz ~ 3 795.00 MHz
Bandwidth	:	5G NR n2	:	5/10/15/20 MHz
		5G NR n5	:	5/10/15/20 MHz
		5G NR n12	:	5/10/15 MHz
		5G NR n25	:	5/10/15/20 MHz
		5G NR n30	:	5/10 MHz
		5G NR n41	:	10/15/20/30/40/50/60/70/80/90/100 MHz
		5G NR n66	:	5/10/15/20/25/30/40 MHz
		5G NR n71	:	5/10/15/20 MHz
		5G NR n77	:	10/15/20/25/30/40/50/60/70/80/90/100 MHz
		5G NR n78	:	10/15/20/25/30/40/50/60/70/80/90/100 MHz
SCS	:	15 kHz (n2/5/12/25/30/66/71) 30 kHz (n41/77/78)		
Software version	:	X308U.001		
Hardware version	:	REV1.0		
Test device serial No.	:	Conducted	:	R32WA0000FY, R32WA000PPF
		Radiated	:	R32W90021BEW, R32W900200M, R32WA000KRM
Operation temperature	:	0 ℃ ~ 35 ℃		

2.1. Frequency/channel operations

This device contains the following capabilities:
WLAN (11a/b/g/n/ac/ax), Bluetooth (BDR/EDR/BLE), NFC, Digitizer, WCDMA 850/1700/1900,
LTE B2/4/5/7/12/13/14/25/26/30/40/41(PC2/PC3)/48/66/71, ULCA 41C(PC2/PC3)/48C
NR n2/5/12/25/30/41(PC2/PC3)/48/66/71/77(PC2/PC3)/78(PC3), SRS n48/n77(PC2/PC3)/n78(PC3)

5G NR n2

Ch.	Frequency (㎒)
370500	1 852.5
376000	1 880.0
381500	1 907.5

Table 2.1-1. 5M BW

Ch.	Frequency (㎒)
371000	1 855.0
376000	1 880.0
381000	1 905.0

Table 2.1-2. 10M BW

Ch.	Frequency (㎒)
371500	1 857.5
376000	1 880.0
380500	1 902.5

Table 2.1-3. 15M BW

Ch.	Frequency (㎒)
372000	1 860.0
376000	1 880.0
380000	1 900.0

Table 2.1-4. 20M BW

5G NR n5

Ch.	Frequency (㎒)
165300	826.5
167300	836.5
169300	846.5

Table 2.1-5. 5M BW

Ch.	Frequency (㎒)
165800	829.0
167300	836.5
168800	844.0

Table 2.1-6. 10M BW

Ch.	Frequency (㎒)
166300	831.5
167300	836.5
168300	841.5

Table 2.1-7. 15M BW

Ch.	Frequency (㎒)
166800	834.0
167300	836.5
167800	839.0

Table 2.1-8. 20M BW

5G NR n12 (FCC)

Ch.	Frequency (㎒)
140300	701.5
141500	707.5
142700	713.5

Table 2.1-9. 5M BW

Ch.	Frequency (㎒)
140800	704.0
141500	707.5
142200	711.0

Table 2.1-10. 10M BW

Ch.	Frequency (㎒)
141300	706.5
141500	707.5
141700	708.5

Table 2.1-11. 15M BW

5G NR n25

Ch.	Frequency (㎒)
370500	1 852.5
376500	1 882.5
382500	1 912.5

Table 2.1-12. 5M BW

Ch.	Frequency (㎒)
371000	1 855.0
376500	1 882.5
382000	1 910.0

Table 2.1-13. 10M BW

Ch.	Frequency (㎒)
371500	1 857.5
376500	1 882.5
381500	1 907.5

Table 2.1-14. 15M BW

Ch.	Frequency (㎒)
372000	1 860.0
376500	1 882.5
381000	1 905.0

Table 2.1-15. 20M BW

5G NR n30 (FCC)

Ch.	Frequency (㎒)
461500	2 307.5
462000	2 310.0
462500	2 312.5

Table 2.1-16. 5M BW

Ch.	Frequency (㎒)
-	-
462000	2 310.0
-	-

Table 2.1-17. 10M BW

5G NR n41 (FCC)

Ch.	Frequency (㎒)
500202	2 501.01
518598	2 592.99
537000	2 685.00

Table 2.1-18. 10M BW

Ch.	Frequency (㎒)
500700	2 503.50
518598	2 592.99
536496	2 682.48

Table 2.1-19. 15M BW

Ch.	Frequency (㎒)
501204	2 506.02
518598	2 592.99
535998	2 679.99

Table 2.1-20. 20M BW

Ch.	Frequency (㎒)
502200	2 511.00
518598	2 592.99
534996	2 674.98

Table 2.1-21. 30M BW

Ch.	Frequency (㎒)
503202	2 516.01
518598	2 592.99
534000	2 670.00

Table 2.1-22. 40M BW

Ch.	Frequency (㎒)
504204	2 521.02
518598	2 592.99
532998	2 664.99

Table 2.1-23. 50M BW

Ch.	Frequency (㎒)
505200	2 526.00
518598	2 592.99
531996	2 659.98

Table 2.1-24. 60M BW

Ch.	Frequency (㎒)
506202	2 531.01
518598	2 592.99
531000	2 655.00

Table 2.1-25. 70M BW

Ch.	Frequency (㎒)
507204	2 536.02
518598	2 592.99
529998	2 649.99

Table 2.1-26. 80M BW

Ch.	Frequency (㎒)
508200	2 541.00
518598	2 592.99
528996	2 644.98

Table 2.1-27. 90M BW

Ch.	Frequency (㎒)
509202	2 546.01
518598	2 592.99
528000	2 640.00

Table 2.1-28. 100M BW

5G NR n41 (IC)

Ch.	Frequency (㎒)
501000	2 505.00
518598	2 592.99
537000	2 685.00

Table 2.1-29. 10M BW

Ch.	Frequency (㎒)
501504	2 507.52
518598	2 592.99
536496	2 682.48

Table 2.1-30. 15M BW

Ch.	Frequency (㎒)
502002	2 510.01
518598	2 592.99
535998	2 679.99

Table 2.1-31. 20M BW

Ch.	Frequency (㎒)
503004	2 515.02
518598	2 592.99
534996	2 674.98

Table 2.1-32. 30M BW

Ch.	Frequency (㎒)
504000	2 520.00
518598	2 592.99
534000	2 670.00

Table 2.1-33. 40M BW

Ch.	Frequency (㎒)
505002	2 525.01
518598	2 592.99
532998	2 664.99

Table 2.1-34. 50M BW

Ch.	Frequency (㎒)
506004	2 530.02
518598	2 592.99
531996	2 659.98

Table 2.1-35. 60M BW

Ch.	Frequency (㎒)
507000	2 535.00
518598	2 592.99
531000	2 655.00

Table 2.1-36. 70M BW

Ch.	Frequency (㎒)
508002	2 540.01
518598	2 592.99
529998	2 649.99

Table 2.1-37. 80M BW

Ch.	Frequency (㎒)
509004	2 545.02
518598	2 592.99
528996	2 644.98

Table 2.1-38. 90M BW

Ch.	Frequency (㎒)
510000	2 550.00
518598	2 592.99
528000	2 640.00

Table 2.1-39. 100M BW

5G NR n66

Ch.	Frequency (㎒)
342500	1 712.5
349000	1 745.0
355500	1 777.5

Table 2.1-40. 5M BW

Ch.	Frequency (㎒)
343000	1 715.0
349000	1 745.0
355000	1 775.0

Table 2.1-41. 10M BW

Ch.	Frequency (㎒)
343500	1 717.5
349000	1 745.0
354500	1 772.5

Table 2.1-42. 15M BW

Ch.	Frequency (㎒)
344000	1 720.0
349000	1 745.0
354000	1 770.0

Table 2.1-43. 20M BW

Ch.	Frequency (㎒)
344500	1 722.5
349000	1 745.0
353500	1 767.5

Table 2.1-44. 25M BW

Ch.	Frequency (㎒)
345000	1 725.0
349000	1 745.0
353000	1 765.0

Table 2.1-45. 30M BW

Ch.	Frequency (㎒)
346000	1 730.0
349000	1 745.0
352000	1 760.0

Table 2.1-46. 40M BW

5G NR n71

Ch.	Frequency (㎒)
133100	665.5
136100	680.5
139100	695.5

Table 2.1-47. 5M BW

Ch.	Frequency (㎒)
133600	668.0
136100	680.5
138600	693.0

Table 2.1-48. 10M BW

Ch.	Frequency (㎒)
134100	670.5
136100	680.5
138100	690.5

Table 2.1-49. 15M BW

Ch.	Frequency (㎒)
134600	673.0
136100	680.5
137600	688.0

Table 2.1-50. 20M BW

5G NR n77 (Lower)

Ch.	Frequency (㎒)
630334	3 455.01
633334	3 500.01
636322	3 544.98

Table 2.1-51. 10M BW

Ch.	Frequency (㎒)
630500	3 457.50
633334	3 500.01
636166	3 542.49

Table 2.1-52. 15M BW

Ch.	Frequency (㎒)
630668	3 460.02
633334	3 500.01
636000	3 540.00

Table 2.1-53. 20M BW

Ch.	Frequency (㎒)
630834	3 462.51
633334	3 500.01
635832	3 537.48

Table 2.1-54. 25M BW

Ch.	Frequency (㎒)
631000	3 465.00
633334	3 500.01
635666	3 534.99

Table 2.1-55. 30M BW

Ch.	Frequency (㎒)
631334	3 470.01
633334	3 500.01
635332	3 529.98

Table 2.1-56. 40M BW

Ch.	Frequency (㎒)
631668	3 475.02
633334	3 500.01
635000	3 525.00

Table 2.1-57. 50M BW

Ch.	Frequency (㎒)
632000	3 480.00
633334	3 500.01
634666	3 519.99

Table 2.1-58. 60M BW

Ch.	Frequency (㎒)
632334	3 485.01
633334	3 500.01
634332	3 514.98

Table 2.1-59. 70M BW

Ch.	Frequency (㎒)
632668	3 490.02
633334	3 500.01
634000	3 510.00

Table 2.1-60. 80M BW

Ch.	Frequency (㎒)
633000	3 495.00
633334	3 500.01
633666	3 504.99

Table 2.1-61. 90M BW

Ch.	Frequency (㎒)
-	-
633334	3 500.01
-	-

Table 2.1-62. 100M BW

5G NR n77 (Upper)

Ch.	Frequency (㎒)
647000	3 705.00
656000	3 840.00
665000	3 975.00

Table 2.1-63. 10M BW

Ch.	Frequency (㎒)
647168	3 707.52
656000	3 840.00
664832	3 972.48

Table 2.1-64. 15M BW

Ch.	Frequency (㎒)
647334	3 710.01
656000	3 840.00
664666	3 969.99

Table 2.1-65. 20M BW

Ch.	Frequency (㎒)
647500	3 712.50
656000	3 840.00
664500	3 967.50

Table 2.1-66. 25M BW

Ch.	Frequency (㎒)
647668	3 715.02
656000	3 840.00
664332	3 964.98

Table 2.1-67. 30M BW

Ch.	Frequency (㎒)
648000	3 720.00
656000	3 840.00
664000	3 960.00

Table 2.1-68. 40M BW

Ch.	Frequency (㎒)
648334	3 725.01
656000	3 840.00
663666	3 954.99

Table 2.1-69. 50M BW

Ch.	Frequency (㎒)
648668	3 730.02
656000	3 840.00
663332	3 949.98

Table 2.1-70. 60M BW

Ch.	Frequency (㎒)
649000	3 735.00
656000	3 840.00
663000	3 945.00

Table 2.1-71. 70M BW

Ch.	Frequency (㎒)
649334	3 740.01
656000	3 840.00
662666	3 939.99

Table 2.1-72. 80M BW

Ch.	Frequency (㎒)
649668	3 745.02
656000	3 840.00
662332	3 934.98

Table 2.1-73. 90M BW

Ch.	Frequency (㎒)
650000	3 750.00
656000	3 840.00
662000	3 930.00

Table 2.1-74. 100M BW

5G NR n77 (IC)

Ch.	Frequency (㎒)
630334	3 455.01
645000	3 675.00
659666	3 894.99

Table 2.1-75. 10M BW

Ch.	Frequency (㎒)
630500	3 457.50
645000	3 675.00
659500	3 892.50

Table 2.1-76. 15M BW

Ch.	Frequency (㎒)
630668	3 460.02
645000	3 675.00
659332	3 889.98

Table 2.1-77. 20M BW

Ch.	Frequency (㎒)
630834	3 462.51
645000	3 675.00
659166	3 887.49

Table 2.1-78. 25M BW

Ch.	Frequency (㎒)
631000	3 465.00
645000	3 675.00
659000	3 885.00

Table 2.1-79. 30M BW

Ch.	Frequency (㎒)
631334	3 470.01
645000	3 675.00
658666	3 879.99

Table 2.1-80. 40M BW

Ch.	Frequency (㎒)
631668	3 475.02
645000	3 675.00
658332	3 874.98

Table 2.1-81. 50M BW

Ch.	Frequency (㎒)
632000	3 480.00
645000	3 675.00
658000	3 870.00

Table 2.1-82. 60M BW

Ch.	Frequency (㎒)
632334	3 485.01
645000	3 675.00
657666	3 864.99

Table 2.1-83. 70M BW

Ch.	Frequency (㎒)
632668	3 490.02
645000	3 675.00
657332	3 859.98

Table 2.1-84. 80M BW

Ch.	Frequency (㎒)
633000	3 495.00
645000	3 675.00
657000	3 855.00

Table 2.1-85. 90M BW

Ch.	Frequency (㎒)
633334	3 500.01
645000	3 675.00
656666	3 849.99

Table 2.1-86. 100M BW

5G NR n78 (Lower)

Ch.	Frequency (㎒)
630334	3 445.01
633334	3 500.01
636322	3 544.98

Table 2.1-87. 10M BW

Ch.	Frequency (㎒)
630500	3 457.50
633334	3 500.01
636166	3 542.49

Table 2.1-88. 15M BW

Ch.	Frequency (㎒)
630668	3 460.02
633334	3 500.01
636000	3 540.00

Table 2.1-89. 20M BW

Ch.	Frequency (㎒)
630834	3 462.51
633334	3 500.01
635832	3 537.48

Table 2.1-90. 25M BW

Ch.	Frequency (㎒)
631000	3 465.00
633334	3 500.01
635666	3 534.99

Table 2.1-91. 30M BW

Ch.	Frequency (㎒)
631334	3 470.01
633334	3 500.01
635332	3 529.98

Table 2.1-92. 40M BW

Ch.	Frequency (㎒)
631668	3 475.02
633334	3 500.01
635000	3 525.00

Table 2.1-93. 50M BW

Ch.	Frequency (㎒)
632000	3 480.00
633334	3 500.01
634666	3 519.99

Table 2.1-94. 60M BW

Ch.	Frequency (㎒)
632334	3 485.01
633334	3 500.01
634332	3 514.98

Table 2.1-95. 70M BW

Ch.	Frequency (㎒)
632668	3 490.02
633334	3 500.01
634000	3 510.00

Table 2.1-96. 80M BW

Ch.	Frequency (㎒)
633000	3 495.00
633334	3 500.01
633666	3 504.99

Table 2.1-97. 90M BW

Ch.	Frequency (㎒)
-	-
633334	3 500.01
	-

Table 2.1-98. 100M BW

5G NR n78 (IC)

Ch.	Frequency (㎒)
630334	3 455.01
641666	3 624.99
653000	3 795.00

Table 2.1-99. 10M BW

Ch.	Frequency (㎒)
630500	3 457.50
641666	3 624.99
652832	3 792.48

Table 2.1-100. 15M BW

Ch.	Frequency (㎒)
630668	3 460.02
641666	3 624.99
652666	3 789.99

Table 2.1-101. 20M BW

Ch.	Frequency (㎒)
630834	3 462.51
641666	3 624.99
652500	3 787.50

Table 2.1-102. 25M BW

Ch.	Frequency (㎒)
631000	3 465.00
641666	3 624.99
652332	3 784.98

Table 2.1-103. 30M BW

Ch.	Frequency (㎒)
631334	3 470.01
641666	3 624.99
652000	3 780.00

Table 2.1-104. 40M BW

Ch.	Frequency (㎒)
631668	3 475.02
641666	3 624.99
651666	3 774.99

Table 2.1-105. 50M BW

Ch.	Frequency (㎒)
632000	3 480.00
641666	3 624.99
651332	3 769.98

Table 2.1-106. 60M BW

Ch.	Frequency (㎒)
632334	3 485.01
641666	3 624.99
651000	3 765.00

Table 2.1-107. 70M BW

Ch.	Frequency (㎒)
632668	3 490.02
641666	3 624.99
650666	3 759.99

Table 2.1-108. 80M BW

Ch.	Frequency (㎒)
633000	3 495.00
641666	3 624.99
650332	3 754.98

Table 2.1-109. 90M BW

Ch.	Frequency (㎒)
633334	3 500.01
641666	3 624.99
650332	3 754.98

Table 2.1-110. 100M BW

Notes:

1. 5G NR n2(1 850 – 1 910 ㎒) overlaps the entire frequency range of 5G NR n25(1 850 – 1915 ㎒) and they have same maximum tune-up power. Therefore, n25 was tested as a representative and the test data provided in this report covers n25 as well as n2 subpart to Part24 and RSS-133.
2. 5G NR n78 (3 450 – 3 550 ㎒ for lower band of FCC, 3 450 – 3 800 ㎒ for IC) overlaps the entire frequency range of 5G NR n77 (3 450 – 3 550 ㎒ for lower band of FCC and 3 450 – 3 900 ㎒ for IC) and they have same maximum tune-up power. Therefore, n77 was tested as a representative and the test data provided in this report covers n77 as well as n78 subpart to Part27 and RSS-192.
3. 5G NR n12 and n30 are not supported in Canada.

3. Maximum ERP/EIRP power

5G NR n5

Mode	Tx frequency (㎒)	Emission designator	ERP	
			Max. power (dBm)	Max. power (W)
5G NR n5	826.5 ~ 846.5	4M55G7D	23.72	0.236
		4M56W7D	22.62	0.183
	829.0 ~ 844.0	9M02G7D	23.70	0.234
		9M02W7D	22.63	0.183
	831.5 ~ 841.5	13M6G7D	24.00	0.251
		13M5W7D	22.84	0.192
	834.0 ~ 839.0	18M0G7D	23.70	0.234
		18M0W7D	22.76	0.189

5G NR n12

Mode	Tx frequency (㎒)	Emission designator	ERP	
			Max. power (dBm)	Max. power (W)
5G NR n12	701.5 ~ 713.5	4M53G7D	23.81	0.240
		4M55W7D	22.62	0.183
	704.0 ~ 711.0	9M04G7D	23.36	0.217
		8M99W7D	22.52	0.179
	706.5 ~ 708.5	13M5G7D	23.24	0.211
		13M5W7D	21.91	0.155

5G NR n25/2

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n25/2	1 852.5 ~ 1 912.5	4M53G7D	23.98	0.250
		4M53W7D	22.73	0.187
	1 855.0 ~ 1 910.0	8M99G7D	23.05	0.202
		9M02W7D	21.87	0.154
	1 857.5 ~ 1 907.5	13M5G7D	23.87	0.244
		13M5W7D	22.80	0.191
	1 860.0 ~ 1 905.0	18M0G7D	24.40	0.275
		18M0W7D	23.14	0.206

5G NR n30

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n30	2 307.5 ~ 2 312.5	4M53G7D	22.49	0.177
		4M55W7D	21.50	0.141
	2 310.0	8M97G7D	22.36	0.172
		8M99W7D	21.29	0.135

5G NR n41(Power Class 2) - FCC

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n41 (FCC)	2 501.01 ~ 2 685.00	8M69G7D	27.71	0.590
		8M69W7D	26.38	0.435
	2 503.50 ~ 2 682.48	13M0G7D	27.74	0.594
		13M0W7D	26.82	0.481
	2 506.02 ~ 2 679.99	18M1G7D	27.94	0.622
		18M1W7D	26.58	0.455
	2 511.00 ~ 2 674.98	27M4G7D	28.57	0.719
		27M3W7D	27.29	0.536
	2 516.01 ~ 2 670.00	36M1G7D	27.62	0.578
		36M1W7D	26.78	0.476
	2 521.02 ~ 2 664.99	46M0G7D	28.91	0.778
		46M1W7D	27.94	0.622
	2 526.00 ~ 2 659.98	58M0G7D	28.76	0.752
		58M0W7D	27.81	0.604
	2 531.01 ~ 2 655.00	64M3G7D	28.43	0.697
		64M3W7D	27.39	0.548
	2 536.02 ~ 2 649.99	77M3G7D	28.57	0.719
		77M1W7D	27.50	0.562
	2 541.00 ~ 2 644.98	87M0G7D	28.60	0.724
		86M8W7D	27.54	0.568
	2 546.01 ~ 2 640.00	96M7G7D	28.05	0.638
		96M7W7D	26.85	0.484

5G NR n41(Power Class 2) - IC

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n41 (IC)	2 505.00 ~ 2 685.00	8M67G7D	27.72	0.592
		8M64W7D	26.73	0.471
	2 507.52 ~ 2 682.48	13M0G7D	28.02	0.634
		13M0W7D	27.26	0.532
	2 510.01 ~ 2 679.99	18M0G7D	28.34	0.682
		18M1W7D	27.08	0.511
	2 515.02 ~ 2 674.98	27M4G7D	28.53	0.713
		27M3W7D	27.52	0.565
	2 520.00 ~ 2 670.00	36M1G7D	27.63	0.579
		36M1W7D	26.69	0.467
	2 525.01 ~ 2 664.99	46M0G7D	28.28	0.673
		46M1W7D	27.18	0.522
	2 530.02 ~ 2 659.98	58M0G7D	28.38	0.689
		58M0W7D	27.55	0.569
	2 535.00 ~ 2 655.00	64M3G7D	28.56	0.718
		64M3W7D	27.65	0.582
	2 540.01 ~ 2 649.99	77M3G7D	28.89	0.774
		77M1W7D	27.72	0.592
	2 545.02 ~ 2 644.98	87M0G7D	28.86	0.769
		86M8W7D	27.98	0.628
	2 550.00 ~ 2 640.00	96M7G7D	28.82	0.762
		96M7W7D	27.38	0.547

5G NR n66

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n66	1 712.5 ~ 1 777.5	4M53G7D	23.89	0.245
		4M55W7D	23.04	0.201
	1 715.0 ~ 1 775.0	8M99G7D	24.01	0.252
		9M04W7D	23.18	0.208
	1 717.5 ~ 1 772.5	13M5G7D	23.96	0.249
		13M5W7D	23.09	0.204
	1 720.0 ~ 1 770.0	18M0G7D	24.42	0.277
		18M0W7D	23.48	0.223
	1 722.5 ~ 1 767.5	23M5G7D	24.67	0.293
		23M4W7D	23.85	0.243
	1 725.0 ~ 1 765.0	29M2G7D	26.05	0.403
		29M2W7D	25.20	0.331
	1 730.0 ~ 1 760.0	39M1G7D	24.81	0.303
		39M0W7D	24.02	0.252

5G NR n71

Mode	Tx frequency (㎒)	Emission designator	ERP	
			Max. power (dBm)	Max. power (W)
5G NR n71	665.5 ~ 695.5	4M55G7D	20.25	0.106
		4M53W7D	19.27	0.085
	668.0 ~ 693.0	9M02G7D	19.89	0.097
		9M04W7D	18.95	0.079
	670.5 ~ 690.5	13M5G7D	20.19	0.104
		13M5W7D	19.17	0.083
	673.0 ~ 688.0	18M0G7D	20.20	0.100
		18M0W7D	19.15	0.082

5G NR n77 (Lower)(Power Class 2)

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Lower)	3 455.01 ~ 3 544.98	8M64G7D	28.05	0.638
		8M67W7D	26.84	0.483
	3 457.50 ~ 3 542.49	13M0G7D	28.23	0.665
		13M0W7D	26.84	0.483
	3 460.02 ~ 3 540.00	18M1G7D	27.36	0.545
		18M1W7D	26.31	0.428
	3 462.51 ~ 3 537.48	23M1G7D	27.86	0.611
		23M0W7D	26.87	0.486
	3 465.00 ~ 3 534.99	27M4G7D	26.98	0.499
		27M4W7D	25.45	0.351
	3 470.01 ~ 3 529.98	36M2G7D	27.44	0.555
		36M3W7D	26.64	0.461
	3 475.02 ~ 3 525.00	46M0G7D	27.93	0.621
		46M0W7D	26.71	0.469
	3 480.00 ~ 3 519.99	58M0G7D	27.21	0.526
		58M1W7D	26.14	0.411
	3 485.01 ~ 3 514.98	64M5G7D	27.30	0.537
		64M3W7D	26.51	0.448
	3 490.02 ~ 3 510.00	77M3G7D	27.29	0.536
		77M3W7D	26.45	0.442
	3 495.00 ~ 3 504.99	86M8G7D	26.91	0.491
		86M8W7D	25.95	0.394
	3 500.01	96M9G7D	26.22	0.419
		96M7W7D	25.03	0.318

5G NR n77 (Lower)(Power Class 2)(SRS1)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Lower)	40	3 470.01 ~ 3 529.98	10.49	0.011

5G NR n77 (Lower)(Power Class 2)(SRS2)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Lower)	100	3 500.01	11.31	0.014

5G NR n77 (Lower)(Power Class 2)(SRS3)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Lower)	80	3 490.02 ~ 3 510.00	13.87	0.024

5G NR n77 (Upper)(Power Class 2)

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Upper)	3 705.00 ~ 3 975.00	8M64G7D	28.53	0.713
		8M67W7D	27.19	0.524
	3 707.52 ~ 3 972.48	13M0G7D	29.59	0.910
		13M0W7D	27.96	0.625
	3 710.01 ~ 3 969.99	18M1G7D	29.24	0.839
		18M1W7D	28.83	0.764
	3 712.50 ~ 3 967.50	23M0G7D	29.26	0.843
		23M0W7D	28.12	0.649
	3 715.02 ~ 3 964.98	27M4G7D	29.06	0.805
		27M4W7D	27.48	0.560
	3 720.00 ~ 3 960.00	36M2G7D	28.19	0.659
		36M2W7D	27.22	0.527
	3 725.01 ~ 3 954.99	46M0G7D	28.37	0.687
		45M8W7D	27.30	0.537
	3 730.02 ~ 3 949.98	58M1G7D	27.71	0.590
		58M1W7D	26.89	0.489
	3 735.00 ~ 3 945.00	64M5G7D	27.98	0.628
		64M3W7D	27.12	0.515
	3 740.01 ~ 3 939.99	77M3G7D	28.24	0.667
		77M1W7D	27.53	0.566
	3 745.02 ~ 3 934.98	86M8G7D	27.52	0.565
		86M8W7D	26.59	0.456
	3 750.00 ~ 3 930.00	96M9G7D	28.15	0.653
		96M9W7D	26.84	0.483

5G NR n77 (Upper)(Power Class 2)(SRS1)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Upper)	100	3 750.00 ~ 3 930.00	14.68	0.029

5G NR n77 (Upper)(Power Class 2)(SRS2)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Upper)	90	3 745.02 ~ 3 934.98	12.26	0.017

5G NR n77 (Upper)(Power Class 2)(SRS3)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Upper)	100	3 750.00 ~ 3 930.00	18.79	0.076

5G NR n77(IC)(Power Class 2)

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (IC)	3 455.01 ~ 3 894.99	8M67G7D	28.96	0.787
		8M69W7D	27.41	0.551
	3 457.50 ~ 3 892.50	13M0G7D	29.16	0.824
		13M0W7D	27.66	0.583
	3 460.02 ~ 3 889.98	18M1G7D	27.94	0.622
		18M1W7D	26.94	0.494
	3 462.51 ~ 3 887.49	23M0G7D	28.92	0.780
		23M0W7D	28.02	0.634
	3 465.00 ~ 3 885.00	27M4G7D	29.33	0.857
		27M4W7D	28.69	0.740
	3 470.01 ~ 3 879.99	36M3G7D	28.82	0.762
		36M3W7D	28.19	0.659
	3 475.02 ~ 3 874.98	46M0G7D	28.04	0.637
		46M1W7D	27.01	0.502
	3 480.00 ~ 3 870.00	58M1G7D	28.64	0.731
		58M0W7D	27.41	0.551
	3 485.01 ~ 3 864.99	64M3G7D	28.12	0.649
		64M3W7D	27.37	0.546
	3 490.02 ~ 3 859.98	77M3G7D	27.65	0.582
		77M3W7D	26.95	0.495
	3 495.00 ~ 3 855.00	87M0G7D	27.58	0.573
		87M0W7D	26.99	0.500
	3 500.01 ~ 3 849.99	96M9G7D	27.06	0.508
		96M7W7D	26.01	0.399

5G NR n77(IC)(Power Class 2)(SRS1)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77(IC)	100	3 500.01 ~ 3 849.99	12.45	0.018

5G NR n77(IC)(Power Class 2)(SRS2)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77(IC)	100	3 500.01 ~ 3 849.99	11.05	0.013

5G NR n77(IC)(Power Class 2)(SRS3)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77(IC)	100	3 500.01 ~ 3 849.99	15.98	0.040

5G NR n77/78 (Lower)(Power Class 3)

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77/78 (Lower)	3 455.01 ~ 3 544.98	8M67G7D	25.67	0.369
		8M67W7D	24.52	0.283
	3 457.50 ~ 3 542.49	13M1G7D	25.42	0.348
		13M0W7D	24.77	0.300
	3 460.02 ~ 3 540.00	18M3G7D	25.51	0.356
		18M1W7D	24.26	0.267
	3 462.51 ~ 3 537.48	23M1G7D	24.96	0.313
		23M0W7D	24.07	0.255
	3 465.00 ~ 3 534.99	27M4G7D	25.99	0.397
		27M7W7D	25.02	0.318
	3 470.01 ~ 3 529.98	36M2G7D	25.17	0.329
		36M1W7D	24.14	0.259
	3 475.02 ~ 3 525.00	46M8G7D	25.20	0.331
		46M8W7D	24.01	0.252
	3 480.00 ~ 3 519.99	58M7G7D	25.37	0.344
		59M0W7D	24.48	0.281
	3 485.01 ~ 3 514.98	65M6G7D	25.00	0.316
		65M0W7D	24.21	0.264
	3 490.02 ~ 3 510.00	78M3G7D	25.00	0.316
		78M3W7D	23.89	0.245
	3 495.00 ~ 3 504.99	87M9G7D	24.02	0.252
		87M9W7D	23.19	0.208
	3 500.01	98M4G7D	23.82	0.241
		98M4W7D	22.98	0.199

5G NR n77/78 (Lower)(Power Class 3)(SRS1)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77/78 (Lower)	100	3 500.01	9.27	0.008

5G NR n77/78 (Lower)(Power Class 3)(SRS2)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77/78 (Lower)	50	3 475.02 ~ 3 525.00	11.66	0.015

5G NR n77/78 (Lower)(Power Class 3)(SRS3)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77/78 (Lower)	10	3 455.01 ~ 3 544.98	11.61	0.015

5G NR n77 (Upper)(Power Class 3)

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Upper)	3 705.00 ~ 3 975.00	8M67G7D	25.89	0.388
		8M64W7D	24.77	0.300
	3 707.52 ~ 3 972.48	13M0G7D	25.98	0.396
		13M0W7D	25.41	0.348
	3 710.01 ~ 3 969.99	18M1G7D	26.12	0.409
		18M1W7D	24.73	0.297
	3 712.50 ~ 3 967.50	23M0G7D	26.38	0.435
		23M0W7D	25.70	0.372
	3 715.02 ~ 3 964.98	27M3G7D	26.50	0.447
		27M3W7D	25.63	0.366
	3 720.00 ~ 3 960.00	36M2G7D	25.86	0.385
		36M2W7D	24.63	0.290
	3 725.01 ~ 3 954.99	46M0G7D	25.78	0.378
		46M0W7D	25.09	0.323
	3 730.02 ~ 3 949.98	58M1G7D	25.85	0.385
		58M1W7D	24.98	0.315
	3 735.00 ~ 3 945.00	64M5G7D	25.38	0.345
		64M3W7D	24.46	0.279
	3 740.01 ~ 3 939.99	77M3G7D	25.79	0.379
		77M1W7D	24.73	0.297
	3 745.02 ~ 3 934.98	86M8G7D	25.02	0.318
		86M8W7D	23.83	0.242
	3 750.00 ~ 3 930.00	96M9G7D	24.62	0.290
		96M7W7D	23.81	0.240

5G NR n77 (Upper)(Power Class 3)(SRS1)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Upper)	100	3 750.00 ~ 3 930.00	14.29	0.027

5G NR n77 (Upper)(Power Class 3)(SRS2)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Upper)	100	3 750.00 ~ 3 930.00	11.45	0.014

5G NR n77 (Upper)(Power Class 3)(SRS3)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77 (Upper)	15	3 707.52 ~ 3 972.48	13.48	0.022

5G NR n77/78 (IC)(Power Class 3)

Mode	Tx frequency (㎒)	Emission designator	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77/78 (IC)	3 455.01 ~ 3 894.99	8M69G7D	26.65	0.462
		8M67W7D	25.57	0.361
	3 457.50 ~ 3 892.50	13M0G7D	25.38	0.345
		13M0W7D	24.46	0.279
	3 460.02 ~ 3 889.98	18M1G7D	25.94	0.393
		18M1W7D	25.10	0.324
	3 462.51 ~ 3 887.49	23M1G7D	26.21	0.418
		23M0W7D	24.87	0.307
	3 465.00 ~ 3 885.00	27M4G7D	26.10	0.407
		27M3W7D	25.33	0.341
	3 470.01 ~ 3 879.99	36M2G7D	25.50	0.355
		36M1W7D	24.59	0.288
	3 475.02 ~ 3 874.98	46M0G7D	25.21	0.332
		46M1W7D	23.89	0.245
	3 480.00 ~ 3 870.00	58M1G7D	25.45	0.351
		58M0W7D	24.58	0.287
	3 485.01 ~ 3 864.99	64M5G7D	25.36	0.344
		64M3W7D	24.79	0.301
	3 490.02 ~ 3 859.98	77M3G7D	25.04	0.319
		77M3W7D	23.79	0.239
	3 495.00 ~ 3 855.00	86M8G7D	25.27	0.337
		86M8W7D	24.29	0.269
	3 500.01 ~ 3 849.99	96M7G7D	24.09	0.256
		96M7W7D	23.18	0.208

5G NR n77/78 (IC)(Power Class 3)(SRS1)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77/78 (IC)	100	3 500.01 ~ 3 849.99	11.51	0.014

5G NR n77/78 (IC)(Power Class 3)(SRS2)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77/78 (IC)	100	3 500.01 ~ 3 849.99	10.70	0.012

5G NR n77/78 (IC)(Power Class 3)(SRS3)

Mode	Bandwidth (㎒)	Tx frequency (㎒)	EIRP	
			Max. power (dBm)	Max. power (W)
5G NR n77/78 (IC)	70	3 485.01 ~ 3 864.99	13.49	0.022

4. Summary of tests

FCC Part section(s)	RSS Section(s)	Parameter	Test Limit	Test Condition	Test results
2.1046	RSS-130(4.6) RSS-132(5.4) RSS-133(4.1) RSS-139(5.5) RSS-192(5.5) RSS-199(5.5)	Conducted Output Power	N/A	Conducted	Pass
2.1049	RSS-Gen(6.7)	Occupied Bandwidth & 26 dB Bandwidth	N/A		Pass
2.1051 22.917(a) 24.238(a) 27.53(a) 27.53(g)(h), 27.53(m)(4) 27.53(l)(2) 27.53(n)(2)	RSS-130(4.7) RSS-132(5.5) RSS-133(6.5) RSS-139(5.6) RSS-192(5.6) RSS-199(5.6)	Band Edge Emissions at Antenna Terminal	Refer to Section 7.3 and 7.4		Pass
		Spurious Emissions at Antenna Terminal			Pass
24.232(d) 27.50(d)(5) 27.50(j)(4) 27.50(k)(4)	RSS-130(4.6) RSS-132(5.4) RSS-133(6.4) RSS-139(5.5) RSS-192(5.5) RSS-199(5.5)	Peak to Average Power Ratio	< 13 dB		Pass
2.1055 22.355	RSS-132(5.3)	Frequency stability	< 2.5 ppm (FCC), Emission must remain in band (IC)		Pass
24.235	RSS-133(6.3)		Emission must remain in band (FCC), < 2.5 ppm (IC)		
27.54	RSS-130(4.5) RSS-139(5.4) RSS-192(5.4) RSS-199(5.4)		Emission must remain in band		
22.913(a)(5)	RSS-132(5.4)	Effective Radiated Power	< 7 Watts max. ERP (FCC) < 3 Watts max. ERP (IC)	Radiated	Pass
27.50(c)(10)	RSS-130(4.6)		< 3 Watts max. ERP		Pass
24.232(c) 27.50(h)	RSS-133(6.4) RSS-199(5.5)	Equivalent Isotropic Radiated Power	< 2 Watts max. EIRP		Pass
27.50(a)	N/A		< 0.25 Watts max. EIRP		Pass
27.50(d)(4) 27.50(j)(3) 27.50(k)(3)	RSS-139(5.5) RSS-192(5.5)		< 1 Watts max. EIRP		Pass
2.1053 22.917(a) 24.238(a) 27.53(a) 27.53(g)(h), 27.53(m)(4) 27.53(l)(2) 27.53(n)(2)	RSS-130(4.7) RSS-132(5.5) RSS-133(6.5) RSS-139(5.6) RSS-192(5.6) RSS-199(5.6)	Radiated Spurious Emissions	<43 + 10Log$_{10}$(P) dB for all out of band emissions, <-13 dBm, < 55 + 10log10 (P) dB, <70 + 10Log$_{10}$(P) dB,		Pass

Notes:

1. The test procedure(s) in this report were performed in accordance as following.
   - ANSI C63.26-2015
   - ANSI/TIA-603-E-2016
   - KDB 971168 D01 v03r01
   - KDB 971168 D02 v02r02

4.1. Worst case orientation

1. All modes of operation were investigated and the worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations in the test data.
2. Output power measurements were measured on PI/2 BPSK, QPSK, 16QAM, 64QAM and 256QAM modulation. All tests except output power was performed with QPSK and 16QAM modulation with highest power.
   - Waveform: DFT-s OFDM
   - Modes: NSA/SA, SRS [Worst case: SA]
3. In case of EN-DC mode, highest EIRP/ERP for stand-alone test case for LTE or 5GNR was configured then the spurious emissions were evaluated for simultaneous transmission.

Test case	5GNR Band	NR Antenna	LTE EN-DC Band		
			Main Antenna 1	Main Antenna 2	Sub Antenna 1
1	NR n2	Main Antenna 1	B5, 12, **13***, 14, 17	B48	-
2	NR n5		B2, **66***	B7, 30, 48	-
3	NR n12		B2, **66***	-	-
4	NR n25		**B12***	B48	-
5	NR n66		B5, 12, **13***, 14, 71	B48	B7
6	NR n71		B2, **66***	B7, 48	-
7	NR n30	Main Antenna 2	B5, 12, 14	-	B2, **66***
8	NR n41		B2, 25, 71	-	B2, 4, **66***
9	NR n77		B2, 5, 12, 13, 14, **66***	B7, 30	-
10	NR n78		B2, 4, 5, 12, 13, **66***, 71	B7	-

*Tested EN-DC combinations for NSA.

4. However, the PAPR was evaluated for all waveforms and modulations during pre-test, then all bandwidth was performed for the modulations with the highest result.
   - Worst Modulation: CP-OFDM (QPSK, 256QAM)
5. In the case of radiated spurious emissions, only the worst-case bandwidth results were reported.
6. All configurations have been performed (Stand-alone, Stand-alone with TA, with accessories).
7. Output power measurement was performed about all power classes for n41, and the All tests except output power was performed at PC2 as the worst case.
8. In case of n77 (power class3) and n78, n77 (power class3) covers n78 because of same tune up level. Therefore, output power measurement was performed about all power for n77 and n78, all test items of power class2 and power class3 for n77 were investigated and reported.
9. This device supports SRS (sounding reference signal) 1, 2, 3 Mode for n77 and n78 bands. For each SRS 1, 2 and 3, conducted power and radiated measurement were performed through FTM Mode provided by the client. The worst-case scenario for all measurements is based on the average conducted output power measurement investigation result. SRS 1, 2, 3 the worst-case scenario was radiated tested and reported.
   - SRS Antenna information: SRS 1(Sub4 ANT), SRS 2(Sub3 ANT), SRS 3(Sub2 ANT)

10. The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z and all of the radiated tests have been performed with the accessories as below. It was determined that below orientation was worst case orientation for each band.

Band	Stand-alone			Stand-alone with TA			With accessories		
	X-axis	Y-axis	Z-axis	X-axis	Y-axis	Z-axis	X-axis	Y-axis	Z-axis
NR n5	O	-	-	-	-	-	-	-	-
NR n12	O	-	-	-	-	-	-	-	-
NR n25/2	-	-	-	O	-	-	-	-	-
NR n30	-	-	-	O	-	-	-	-	-
NR n41 (PC2)	-	-	-	O	-	-	-	-	-
NR n66	-	-	-	O	-	-	-	-	-
NR n71	O	-	-	-	-	-	-	-	-
NR n77 (PC2)	-	-	-	O	-	-	-	-	-
SRS Path 1 NR n77 (PC2)	-	-	-	O	-	-	-	-	-
SRS Path 2 NR n77 (PC2)	-	-	-	O	-	-	-	-	-
SRS Path 3 NR n77 (PC2)	-	-	-	O	-	-	-	-	-
NR n77/78 (PC3)	-	-	-	O	-	-	-	-	-
SRS Path 1 NR n77/78 (PC3)	-	-	-	O	-	-	-	-	-
SRS Path 2 NR n77/78 (PC3)	-	-	-	O	-	-	-	-	-
SRS Path 3 NR n77/78 (PC3)	-	-	-	O	-	-	-	-	-

11. Test condition

- The measurement was performed with various configurations then worst results are reported.

1) Radiated measurement

Test Description	Waveform	Modulation	RB size	Test Channel
Effective Radiated Power	DFT-s OFDM	QPSK, 16QAM	1	Low, Mid, High
Equivalent Isotropic Radiated Power				
Radiated Spurious Emissions		QPSK		
SRS Equivalent Isotropic Radiated Power		PI/2 BPSK, QPSK		
SRS Radiated Spurious Emissions				

LTE Band	Bandwidth (㎒)	RB size	RB offset
NR n5	5, 10, 15, 20	1	1, 53
NR n12	5, 10, 15	1	1, 23, 26, 40, 50
NR n25/2	5, 10, 15, 20	1	1, 13, 26, 50, 77, 104
NR n30	5, 10	1	1
NR n41(FCC/IC) (PC2)	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100	1	1, 12, 19, 26, 36, 39, 49, 95, 131, 160, 215, 123, 271
NR n66	5, 10, 15, 20, 25, 30, 40	1	1, ,26, 40, 50, 53, 77, 80, 104,131
NR n71	5, 10, 15, 20	1	1, 13, 50
NR n77(Lower) (PC2)	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	1	1, 12, 19, 33, 49, 63, 67, 76, 81, 95, 104, 109, 123, 137, 187, 215
NR n77(Lower) (PC2) (SRS1)	40	1	1
NR n77(Lower) (PC2) (SRS2)	100	1	137
NR n77(Lower) (PC2) (SRS3)	80	1	109
NR n77(Upper)(PC2)	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	1	1, 19, 26, 39, 53, 63, 67, 81, 131, 137, 160, 187, 215, 243
NR n77(Upper) (PC2) (SRS1)	100	1	1
NR n77(Upper) (PC2) (SRS2)	90	1	243
NR n77(Upper) (PC2) (SRS3)	100	1	1
NR n77(IC)(PC2)	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	1	1, 12, 19, 26, 33, 36, 49, 53, 63, 67, 76, 81, 104, 123, 137, 160, 187, 215, 271
NR n77(IC) (PC2) (SRS1)	100	1	1
NR n77(IC) (PC2) (SRS2)	100	1	137
NR n77(IC) (PC2) (SRS3)	100	1	1
NR n77/78 (Lower)(PC3)	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	1	1, 12, 19, 33, 49, 53, 63, 67, 76, 81, 95, 104, 109, 123, 131, 137, 160
NR n77/78 (Lower) (PC3) (SRS1)	100	1	1
NR n77/78 (Lower) (PC3) (SRS2)	50	1	1
NR n77/78 (Lower) (PC3) (SRS3)	10	1	1
NR n77 (Upper)(PC3)	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	1	1, 12, 19, 33, 53, 63, 67, 104, 131, 160, 187, 215, 243, 271
NR n77 (Upper) (PC3) (SRS1)	100	1	1
NR n77 (Upper) (PC3) (SRS2)	100	1	1
NR n77 (Upper) (PC3) (SRS3)	15	1	1
NR n77/78 (IC) (PC3)	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	1	1, 12, 19, 49, 53, 63, 67, 76, 81, 95, 104, 109, 131, 137, 215, 243, 271
NR n77/78(IC) (PC3) (SRS1)	100	1	1
NR n77/78(IC) (PC3) (SRS2)	100	1	1
NR n77/78(IC) (PC3) (SRS3)	70	1	95

2) Conducted measurement

Test Description	Waveform	Modulation	RB size	Test Channel
OBW & 26 dBBW	DFT-s OFDM	QPSK, 16QAM	Full	Low, Mid, High
Band Edge		QPSK	1	Low, High
			Full	
Spurious Emissions		QPSK	1	Low, Mid, High
PAPR	CP OFDM	QPSK, 256QAM	Full	Mid

LTE Band	Bandwidth (㎒)	RB size	RB offset
NR n5	5, 10, 15, 20	1	0, 24, 51, 78, 105
		Full	0
NR n12	5, 10, 15	1	0, 24, 51, 78
		Full	0
NR n25/2	5, 10, 15, 20	1	0, 24, 51, 78, 105
		Full	0
NR n30	5, 10	1	0, 24, 51
		Full	0
NR n41	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100	1	0, 23, 37, 50, 77, 105, 132, 161, 188, 216, 244, 272
		Full	0
NR n66	5, 10, 15, 20, 25, 30, 40	1	0, 24, 51, 78, 105, 132, 159, 215
		Full	0
NR n71	5, 10, 15, 20	1	0, 24, 51, 78, 105
		Full	0
NR n77(PC2), NR n77/78(PC2/PC3)	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	1	0, 23, 37, 50, 64, 77, 105, 132, 161, 188, 216, 244, 272
		Full	0

5. Measurement uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014.

All measurement uncertainty values are shown with a coverage factor of k=2 to indicated a 95 % level of confidence. The measurement data shown herein meets of exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded uncertainty (±)	
Conducted RF power	0.9 dB	
Conducted spurious emissions	1.3 dB	
Radiated spurious emissions	Below 1 000 ㎒	2.4 dB
	1 000 ㎒ ~ 18 000 ㎒	2.4 dB
	Above 1 8000 ㎒	2.6 dB

6. Measurement results explanation example

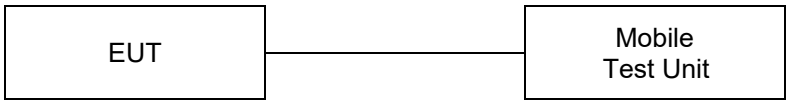
Frequency (㎒)	Factor(㏈)	Frequency (㎒)	Factor(㏈)
30	6.32	16 000	9.50
50	6.27	17 000	9.70
100	6.35	18 000	10.01
200	6.44	19 000	10.68
300	6.51	20 000	10.78
400	6.58	21 000	10.37
500	6.65	22 000	10.82
600	6.88	23 000	10.28
700	6.74	24 000	10.14
800	6.80	25 000	10.38
900	6.84	26 000	10.93
1 000	6.86	26 500	11.07
2 000	7.13	27 000	11.04
3 000	7.37	28 000	11.94
4 000	7.57	29 000	12.00
5 000	7.69	30 000	12.30
6 000	8.01	31 000	12.84
7 000	8.30	32 000	13.02
8 000	8.64	33 000	13.11
9 000	8.85	34 000	13.56
10 000	8.99	35 000	14.18
11 000	9.30	36 000	14.20
12 000	9.22	37 000	14.52
13 000	9.11	38 000	15.66
14 000	9.34	39 000	15.28
15 000	9.74	40 000	16.31

Note.
Offset(㏈) = RF cable loss(㏈) + Divider(㏈)

7. Test results

7.1. Conducted output power

Test setup



Test procedure

971168 D01 v03r01 – Section 5.2
ANSI C63.26-2015 – Section 5.2.4.2
CFR 47 - Section §2.1046
Radio Standards Specifications – Section 130, 132, 133, 139, 192, 199

Test settings

When an average power meter is used to perform RF output power measurements, the fundamental condition that measurement be performed only over durations of active transmissions at maximum output power level applies. Thus, an average power meter can always be used to perform the measurement when the EUT can be configured to transmit continuously.

If the EUT cannot be configured to transmit continuously (i.e., burst duty cycle < 98%), then the following options can be implemented to facilitate measurement of the average power with an average power meter:

a) A gated average power meter can be used to perform the measurement if the gating parameters can be adjusted such that the power is measured only during active transmission bursts at maximum output power levels.
b) A conventional average power meter with no signal gating capability can also be used if the measured burst duty cycle is constant (i.e., duty cycle variations are less than or equal to ± 2%) by performing the measurement over the on/off burst cycles and then correcting (increasing) the measured level by a factor equal to [10log (1/duty cycle)]. See 5.2.4.3.4 for guidance with respect to measuring the transmitter duty cycle.

See item r) of 4.1 for more information regarding power meter functional requirements and limitations, and consult the instrumentation-specific application literature for proper set-up and use.

Test results

NR Band n2

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n2	5	DFT-s OFDM	15	PI/2 BPSK	1	1	24.42	24.73	24.83
					1	13	24.39	24.65	24.75
					1	23	24.39	24.80	24.76
					12	0	24.04	24.24	24.26
					12	7	24.50	24.78	24.91
					12	13	23.97	24.23	24.36
					25	0	24.05	24.21	24.29
				QPSK	1	1	24.84	24.85	25.01
					1	13	24.66	24.74	24.93
					1	23	24.82	24.82	24.99
					12	0	24.01	23.86	23.97
					12	7	24.81	24.77	24.92
					12	13	23.58	23.80	23.93
					25	0	23.62	23.73	23.87
				16QAM	1	1	23.61	23.80	23.73
				64QAM	1	1	22.45	22.43	22.55
				256QAM	1	1	20.36	20.21	20.15
		CP-OFDM		QPSK	1	1	23.47	23.41	23.52
	10	DFT-s OFDM		PI/2 BPSK	1	1	24.53	24.80	24.90
					1	26	24.59	24.85	25.03
					1	50	24.33	24.75	24.75
					25	0	24.15	24.30	24.32
					25	14	24.55	24.82	24.86
					25	27	24.08	24.28	24.40
					50	0	24.11	24.30	24.42
				QPSK	1	1	24.89	24.86	25.09
					1	26	24.74	24.75	25.02
					1	50	24.76	24.80	25.01
					25	0	23.89	23.86	23.97
					25	14	24.69	24.71	24.88
					25	27	23.68	23.85	24.06
					50	0	23.59	23.77	23.90
				16QAM	1	1	23.84	23.99	23.83
				64QAM	1	1	22.33	22.30	22.39
				256QAM	1	1	20.32	20.14	20.08
		CP-OFDM		QPSK	1	1	23.34	23.29	23.39

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n2	15	DFT-s OFDM	15	PI/2 BPSK	1	1	24.51	24.76	24.83
					1	40	24.38	24.62	24.75
					1	77	24.42	24.78	24.77
					36	0	24.17	24.34	24.31
					36	22	24.55	24.82	24.87
					36	43	23.98	24.27	24.38
					75	0	24.08	24.24	24.39
				QPSK	1	1	24.79	24.79	25.04
					1	40	24.71	24.76	25.04
					1	77	24.71	24.73	24.88
					36	0	23.90	23.86	23.95
					36	22	24.73	24.74	24.88
					36	43	23.61	23.82	23.93
					75	0	23.59	23.78	23.94
				16QAM	1	1	23.60	23.74	23.61
				64QAM	1	1	22.29	22.20	22.41
				256QAM	1	1	20.26	20.03	19.96
		CP-OFDM		QPSK	1	1	23.34	23.23	23.33
	20	DFT-s OFDM		PI/2 BPSK	1	1	24.60	24.84	24.91
					1	53	24.68	24.99	25.04
					1	104	24.59	24.95	24.93
					50	0	24.28	24.44	24.47
					50	28	24.67	24.93	25.00
					50	56	24.14	24.37	24.48
					100	0	24.22	24.37	24.53
				QPSK	1	1	24.77	24.75	24.94
					1	53	24.74	24.81	25.02
					1	104	24.86	24.88	25.05
					50	0	23.94	23.87	23.98
					50	28	24.86	24.89	25.02
					50	56	23.69	23.85	23.99
					100	0	23.73	23.87	24.04
				16QAM	1	1	23.82	24.00	23.88
				64QAM	1	1	22.39	22.34	22.49
				256QAM	1	1	20.42	20.25	20.21
		CP-OFDM		QPSK	1	1	23.39	23.30	23.40

NR Band n5

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power Frequency (㎒)		
							Low	Middle	High
NR n5	5	DFT-s OFDM	15	PI/2 BPSK	1	1	24.31	24.49	24.34
					1	13	24.14	24.35	24.10
					1	23	24.33	24.46	24.34
					12	0	23.73	23.95	23.77
					12	7	24.32	24.41	24.25
					12	13	23.91	23.92	23.90
					25	0	23.86	23.94	23.75
				QPSK	1	1	24.39	24.52	24.32
					1	13	24.27	24.38	24.22
					1	23	24.43	24.49	24.44
					12	0	23.24	23.46	23.37
					12	7	24.33	24.42	24.36
					12	13	23.36	23.44	23.34
					25	0	23.24	23.43	23.20
				16QAM	1	1	23.48	23.75	23.46
				64QAM	1	1	21.96	22.04	21.86
				256QAM	1	1	19.66	19.95	19.72
		CP-OFDM		QPSK	1	1	22.80	23.00	22.89
	10	DFT-s OFDM		PI/2 BPSK	1	1	24.39	24.58	24.46
					1	26	24.51	24.59	24.43
					1	50	24.35	24.49	24.34
					25	0	24.01	24.13	23.94
					25	14	24.39	24.45	24.35
					25	27	23.93	23.96	23.90
					50	0	23.88	23.98	23.79
				QPSK	1	1	24.45	24.60	24.40
					1	26	24.36	24.47	24.36
					1	50	24.20	24.38	24.34
					25	0	23.29	23.53	23.46
					25	14	24.34	24.46	24.33
					25	27	23.47	23.48	23.31
					50	0	23.33	23.48	23.29
				16QAM	1	1	23.10	23.39	23.10
				64QAM	1	1	21.96	22.07	21.92
				256QAM	1	1	19.72	20.01	19.91
		CP-OFDM		QPSK	1	1	22.97	23.09	22.88

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n5	15	DFT-s OFDM	15	PI/2 BPSK	1	1	24.48	24.64	24.60
					1	40	24.28	24.47	24.17
					1	77	24.30	24.45	24.35
					36	0	23.92	24.18	24.04
					36	22	24.49	24.56	24.49
					36	43	24.01	24.06	24.01
					75	0	24.07	24.13	23.95
				QPSK	1	1	24.43	24.65	24.41
					1	40	24.31	24.47	24.29
					1	77	24.31	24.50	24.50
					36	0	23.46	23.68	23.60
					36	22	24.48	24.57	24.53
					36	43	23.51	23.51	23.38
					75	0	23.41	23.65	23.43
				16QAM	1	1	23.38	23.63	23.28
				64QAM	1	1	22.08	22.16	22.11
				256QAM	1	1	19.72	20.03	19.87
		CP-OFDM		QPSK	1	1	23.13	23.29	23.11
	20	DFT-s OFDM		PI/2 BPSK	1	1	24.52	24.72	24.64
					1	53	24.63	24.77	24.57
					1	104	24.36	24.48	24.39
					50	0	24.03	24.22	24.10
					50	28	24.59	24.64	24.55
					50	56	23.97	24.03	23.94
					100	0	24.11	24.18	24.02
				QPSK	1	1	24.61	24.79	24.61
					1	53	24.63	24.74	24.64
					1	104	24.33	24.45	24.42
					50	0	23.55	23.75	23.66
					50	28	24.54	24.65	24.58
					50	56	23.54	23.57	23.45
					100	0	23.51	23.70	23.48
				16QAM	1	1	23.58	23.86	23.53
				64QAM	1	1	22.04	22.19	22.07
				256QAM	1	1	19.96	20.25	20.09
		CP-OFDM		QPSK	1	1	23.13	23.28	23.11

NR Band n12

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n12	5	DFT-s OFDM	15	PI/2 BPSK	1	1	24.62	24.75	24.73
					1	13	24.45	24.58	24.65
					1	23	24.46	24.54	24.56
					12	0	24.05	24.13	24.28
					12	7	24.62	24.62	24.71
					12	13	23.88	23.99	24.13
					25	0	24.04	24.26	24.19
				QPSK	1	1	24.54	24.77	24.74
					1	13	24.54	24.69	24.69
					1	23	24.37	24.47	24.47
					12	0	23.70	23.65	23.79
					12	7	24.53	24.76	24.72
					12	13	23.61	23.57	23.56
					25	0	23.76	23.69	23.66
				16QAM	1	1	23.42	23.41	23.24
				64QAM	1	1	22.04	22.11	22.12
				256QAM	1	1	20.28	20.42	20.35
		CP-OFDM		QPSK	1	1	23.30	23.21	23.30
	10	DFT-s OFDM		PI/2 BPSK	1	1	24.57	24.62	24.60
					1	26	24.66	24.72	24.77
					1	50	24.52	24.75	24.60
					25	0	24.13	24.27	24.27
					25	14	24.62	24.72	24.76
					25	27	24.05	24.18	24.23
					50	0	24.08	24.27	24.30
				QPSK	1	1	24.61	24.76	24.66
					1	26	24.74	24.70	24.80
					1	50	24.52	24.57	24.55
					25	0	23.70	23.71	23.81
					25	14	24.62	24.73	24.80
					25	27	23.67	23.61	23.71
					50	0	23.72	23.78	23.66
				16QAM	1	1	23.58	23.51	23.46
				64QAM	1	1	22.22	22.18	22.13
				256QAM	1	1	20.35	20.39	20.40
		CP-OFDM		QPSK	1	1	23.20	23.11	23.24

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n12	15	DFT-s OFDM	15	PI/2 BPSK	1	1	24.53	24.67	24.67
					1	40	24.49	24.63	24.62
					1	77	24.57	24.72	24.64
					36	0	24.05	24.15	24.22
					36	22	24.63	24.73	24.75
					36	43	24.10	24.19	24.22
					75	0	24.10	24.26	24.23
				QPSK	1	1	24.58	24.73	24.68
					1	40	24.54	24.65	24.70
					1	77	24.61	24.67	24.66
					36	0	23.61	23.63	23.73
					36	22	24.63	24.79	24.76
					36	43	23.73	23.65	23.72
					75	0	23.66	23.72	23.65
				16QAM	1	1	23.72	23.67	23.59
				64QAM	1	1	22.13	22.18	22.15
				256QAM	1	1	20.13	20.18	20.16
		CP-OFDM		QPSK	1	1	23.16	23.08	23.18

NR Band n25

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power Frequency (㎒)		
							Low	Middle	High
NR n25	5	DFT-s OFDM	15	PI/2 BPSK	1	1	24.81	24.82	24.95
					1	13	24.75	24.76	24.88
					1	23	24.82	24.79	24.96
					12	0	24.35	24.31	24.50
					12	7	24.84	24.80	25.01
					12	13	24.35	24.35	24.48
					25	0	24.34	24.32	24.54
				QPSK	1	1	24.87	24.86	25.01
					1	13	24.80	24.75	24.96
					1	23	24.82	24.83	25.04
					12	0	23.89	24.27	24.05
					12	7	24.81	24.80	25.02
					12	13	23.90	24.24	24.06
					25	0	23.90	24.21	24.07
				16QAM	1	1	23.77	23.86	24.02
				64QAM	1	1	22.45	22.39	22.32
				256QAM	1	1	20.02	19.97	20.10
		CP-OFDM		QPSK	1	1	23.25	23.15	23.20
	10	DFT-s OFDM		PI/2 BPSK	1	1	24.84	24.84	24.93
					1	26	24.79	24.75	24.96
					1	50	24.71	24.68	25.00
					25	0	24.37	24.24	24.50
					25	14	24.83	24.68	24.99
					25	27	24.27	24.20	24.53
					50	0	24.33	24.22	24.52
				QPSK	1	1	24.87	24.68	24.95
					1	26	24.76	24.67	24.92
					1	50	24.69	24.76	25.10
					25	0	23.89	23.74	24.01
					25	14	24.83	24.75	25.00
					25	27	23.80	23.72	24.06
					50	0	23.83	23.73	23.98
				16QAM	1	1	23.81	23.80	23.77
				64QAM	1	1	22.27	22.07	22.46
				256QAM	1	1	20.20	20.11	20.06
		CP-OFDM		QPSK	1	1	23.29	23.20	23.28

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n25	15	DFT-s OFDM	15	PI/2 BPSK	1	1	24.85	24.77	24.73
					1	40	24.69	24.63	24.60
					1	77	24.61	24.73	24.73
					36	0	24.36	24.27	24.21
					36	22	24.78	24.72	24.72
					36	43	24.21	24.21	24.22
					75	0	24.30	24.24	24.22
				QPSK	1	1	24.86	24.72	24.72
					1	40	24.65	24.64	24.65
					1	77	24.71	24.71	24.69
					36	0	23.88	23.77	23.80
					36	22	24.79	24.71	24.71
					36	43	23.70	23.72	23.75
					75	0	23.78	23.71	23.71
				16QAM	1	1	23.77	23.74	23.71
				64QAM	1	1	22.25	22.28	22.28
				256QAM	1	1	20.27	20.15	20.10
		CP-OFDM		QPSK	1	1	23.17	23.24	23.22
	20	DFT-s OFDM		PI/2 BPSK	1	1	24.93	24.72	24.90
					1	53	24.97	24.86	25.00
					1	104	24.78	24.82	24.88
					50	0	24.36	24.31	24.57
					50	28	24.84	24.89	24.95
					50	56	24.23	24.37	24.48
					100	0	24.33	24.31	24.52
				QPSK	1	1	24.82	24.81	24.97
					1	53	24.79	24.86	24.98
					1	104	24.88	24.90	25.01
					50	0	23.96	23.92	24.02
					50	28	24.76	24.85	24.99
					50	56	23.78	23.84	23.96
					100	0	23.78	23.82	23.97
				16QAM	1	1	24.02	23.65	23.90
				64QAM	1	1	22.57	22.18	22.52
				256QAM	1	1	20.21	20.12	20.31
		CP-OFDM		QPSK	1	1	23.33	23.26	23.48

NR Band n30

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n30	5	DFT-s OFDM	15	PI/2 BPSK	1	1	23.16	23.32	23.28
					1	13	23.16	23.26	23.24
					1	23	23.28	23.13	23.10
					12	0	22.80	22.82	22.79
					12	7	23.28	23.30	23.35
					12	13	22.80	22.82	22.81
					25	0	22.76	22.85	22.80
				QPSK	1	1	23.09	23.29	23.30
					1	13	23.19	23.33	23.27
					1	23	23.31	23.16	23.11
					12	0	22.31	22.27	22.30
					12	7	23.34	23.27	23.31
					12	13	22.24	22.33	22.26
					25	0	22.30	22.29	22.26
				16QAM	1	1	22.15	22.30	22.30
				64QAM	1	1	20.79	20.80	20.80
				256QAM	1	1	18.62	18.84	18.82
		CP-OFDM		QPSK	1	1	21.70	21.79	21.79
	10	DFT-s OFDM		PI/2 BPSK	1	1	-	23.33	-
					1	26	-	23.44	-
					1	50	-	23.22	-
					25	0	-	22.87	-
					25	14	-	23.39	-
					25	27	-	22.93	-
					50	0	-	22.95	-
				QPSK	1	1	-	23.35	-
					1	26	-	23.46	-
					1	50	-	23.07	-
					25	0	-	22.41	-
					25	14	-	23.40	-
					25	27	-	22.43	-
					50	0	-	22.44	-
				16QAM	1	1	-	22.36	-
				64QAM	1	1	-	20.96	-
				256QAM	1	1	-	18.95	-
		CP-OFDM		QPSK	1	1	-	21.91	-

NR Band n41 (PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	10	DFT-s OFDM	30	PI/2 BPSK	1	1	26.98	27.08	27.05	26.96
					1	12	27.13	27.26	27.17	27.06
					1	22	27.15	27.30	27.20	27.30
					12	0	26.73	26.34	26.58	26.52
					12	6	26.90	26.93	27.11	27.25
					12	12	26.80	26.58	26.66	26.77
					24	0	26.66	26.37	26.62	26.64
				QPSK	1	1	27.10	26.84	27.01	26.99
					1	12	26.90	27.20	27.11	27.03
					1	22	27.09	27.08	27.17	26.95
					12	0	26.24	25.93	26.09	26.16
					12	6	27.04	27.21	27.12	27.10
					12	12	26.24	26.05	26.17	26.30
					24	0	26.06	25.94	26.13	25.92
				16QAM	1	1	26.08	25.82	26.04	25.95
				64QAM	1	1	24.39	24.41	24.43	24.42
				256QAM	1	1	22.55	22.25	22.42	22.42
		CP-OFDM		QPSK	1	1	25.40	25.39	25.53	25.60
	15	DFT-s OFDM		PI/2 BPSK	1	1	26.81	27.14	27.01	27.04
					1	19	27.05	27.10	27.18	27.05
					1	36	26.99	27.28	27.22	27.26
					18	0	26.53	26.66	26.56	26.36
					18	10	27.13	26.99	27.13	27.05
					18	20	26.67	26.66	26.69	26.52
					36	0	26.44	26.62	26.62	26.44
				QPSK	1	1	26.80	26.95	27.00	27.01
					1	19	27.06	27.27	27.16	26.99
					1	36	27.31	27.19	27.25	27.15
					18	0	26.07	26.01	26.04	25.82
					18	10	27.19	27.24	27.11	27.01
					18	20	26.22	26.05	26.20	26.12
					36	0	25.84	26.09	26.09	25.93
				16QAM	1	1	26.20	26.03	26.13	26.23
				64QAM	1	1	24.37	24.62	24.48	24.41
				256QAM	1	1	22.36	22.42	22.43	22.42
		CP-OFDM		QPSK	1	1	25.68	25.65	25.53	25.32

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	20	DFT-s OFDM	30	PI/2 BPSK	1	1	26.89	27.08	26.99	26.99
					1	26	27.15	27.17	27.13	27.27
					1	49	27.11	27.02	27.21	27.32
					25	0	26.58	26.48	26.55	26.43
					25	13	27.15	27.21	27.15	27.09
					25	26	26.49	26.66	26.71	26.67
					50	0	26.76	26.69	26.64	26.79
				QPSK	1	1	26.81	26.92	27.00	26.83
					1	26	26.87	26.94	27.11	27.26
					1	49	27.04	27.13	27.19	26.99
					25	0	26.09	25.98	26.05	26.04
					25	13	26.89	27.11	27.11	27.10
					25	26	26.30	26.22	26.20	26.04
					50	0	26.04	25.88	26.13	26.02
				16QAM	1	1	26.14	25.77	25.99	26.08
				64QAM	1	1	24.63	24.40	24.59	24.73
				256QAM	1	1	22.46	22.35	22.35	22.35
		CP-OFDM		QPSK	1	1	25.32	25.66	25.55	25.57
	30	DFT-s OFDM		PI/2 BPSK	1	1	26.74	27.12	26.97	26.84
					1	39	27.03	27.20	27.22	27.33
					1	76	27.36	27.32	27.21	26.98
					36	0	26.32	26.52	26.52	26.45
					36	21	27.22	26.95	27.14	26.91
					36	42	26.69	26.52	26.72	26.85
					75	0	26.57	26.53	26.64	26.56
				QPSK	1	1	26.96	26.76	26.95	26.89
					1	39	27.25	27.12	27.12	27.04
					1	76	27.08	27.03	27.20	27.19
					36	0	25.91	26.05	25.99	25.92
					36	21	27.13	27.04	27.11	27.06
					36	42	26.23	26.21	26.20	26.30
					75	0	26.08	25.87	26.09	26.21
				16QAM	1	1	25.77	25.97	25.99	25.89
				64QAM	1	1	24.51	24.25	24.44	24.43
				256QAM	1	1	22.33	22.32	22.42	22.56
		CP-OFDM		QPSK	1	1	25.24	25.59	25.44	25.38

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	40	DFT-s OFDM	30	PI/2 BPSK	1	1	27.52	27.49	27.37	27.09
					1	53	27.21	27.13	27.01	27.29
					1	104	27.05	26.90	27.15	27.47
					50	0	26.90	26.97	26.99	26.60
					50	28	27.21	27.03	27.23	27.27
					50	56	26.56	26.35	26.41	26.94
					100	0	26.69	26.70	26.70	26.74
				QPSK	1	1	27.49	27.27	27.45	27.10
					1	53	27.25	27.02	27.32	27.28
					1	104	27.03	27.09	27.15	27.46
					50	0	26.38	26.23	26.31	26.11
					50	28	27.19	27.14	26.96	27.26
					50	56	26.02	25.97	26.01	26.44
					100	0	26.21	26.07	25.96	26.25
				16QAM	1	1	26.36	26.19	26.28	26.16
				64QAM	1	1	24.73	24.61	24.60	24.41
				256QAM	1	1	23.05	22.87	23.03	22.48
		CP-OFDM		QPSK	1	1	26.01	25.86	25.76	25.59
	50	DFT-s OFDM		PI/2 BPSK	1	1	27.53	27.33	26.97	27.08
					1	67	27.23	27.35	27.16	27.24
					1	131	27.03	26.83	27.02	27.53
					64	0	26.93	26.69	26.47	26.69
					64	35	27.23	27.11	27.15	27.26
					64	69	26.67	26.77	26.71	27.02
					128	0	26.70	26.79	26.61	26.73
				QPSK	1	1	27.50	27.43	26.96	27.06
					1	67	27.19	27.28	27.15	27.26
					1	131	26.98	26.85	27.01	27.56
					64	0	26.43	26.42	25.96	26.20
					64	35	27.22	27.15	27.15	27.26
					64	69	26.17	26.13	26.22	26.52
					128	0	26.21	26.20	26.10	26.22
				16QAM	1	1	26.55	26.53	26.10	26.00
				64QAM	1	1	25.00	24.89	24.58	24.78
				256QAM	1	1	23.04	22.99	22.36	22.45
		CP-OFDM		QPSK	1	1	26.10	25.85	25.49	25.57

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	60	DFT-s OFDM	30	PI/2 BPSK	1	1	27.48	27.30	26.96	26.96
					1	81	27.16	27.09	27.23	27.23
					1	160	27.06	26.96	26.97	27.47
					81	0	26.80	26.79	26.46	26.59
					81	41	27.08	27.07	27.17	27.17
					81	81	26.64	26.79	26.71	26.90
					162	0	26.57	26.43	26.63	26.65
				QPSK	1	1	27.47	27.61	26.95	26.87
					1	81	27.12	26.88	27.18	27.13
					1	160	27.04	27.09	26.95	27.43
					81	0	26.28	26.42	25.97	26.07
					81	41	27.06	26.92	27.17	27.14
					81	81	26.12	26.14	26.19	26.12
					162	0	26.05	26.20	26.13	26.09
				16QAM	1	1	26.45	26.40	25.92	26.08
				64QAM	1	1	25.16	25.16	24.30	24.58
				256QAM	1	1	22.97	23.10	22.42	22.35
		CP-OFDM		QPSK	1	1	25.95	25.74	25.39	25.33
	70	DFT-s OFDM		PI/2 BPSK	1	1	27.50	27.45	27.62	26.85
					1	95	27.14	27.06	26.95	27.03
					1	187	27.00	26.81	27.07	27.86
					90	0	26.86	26.70	27.00	26.44
					90	50	27.18	27.31	27.17	27.05
					90	99	26.55	26.64	26.69	26.75
					180	0	26.64	26.74	26.69	26.60
				QPSK	1	1	27.53	27.65	27.67	26.86
					1	95	27.21	27.19	27.27	27.04
					1	187	27.11	27.09	26.94	26.99
					90	0	26.32	26.41	26.38	25.97
					90	50	27.16	26.96	27.09	27.08
					90	99	26.04	25.96	25.86	26.24
					180	0	26.10	26.14	25.89	26.07
				16QAM	1	1	26.65	26.47	26.67	25.91
				64QAM	1	1	24.92	24.88	24.90	24.26
				256QAM	1	1	22.97	23.04	23.09	22.33
		CP-OFDM		QPSK	1	1	26.03	26.11	25.88	25.26

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	80	DFT-s OFDM	30	PI/2 BPSK	1	1	27.56	27.63	27.67	26.94
					1	109	27.15	27.27	26.94	27.13
					1	215	26.96	26.73	26.82	27.46
					108	0	26.77	26.87	26.73	26.44
					108	55	27.19	27.21	27.25	27.13
					108	109	26.58	26.56	26.42	26.77
					216	0	26.60	26.75	26.59	26.63
				QPSK	1	1	27.54	27.55	27.30	26.96
					1	109	27.16	26.93	27.02	27.13
					1	215	26.92	26.72	26.74	27.43
					108	0	26.24	26.06	26.14	25.94
					108	55	27.18	27.11	27.08	27.16
					108	109	26.14	26.01	26.00	26.26
					216	0	26.13	26.09	26.09	26.14
				16QAM	1	1	26.62	26.48	26.37	25.98
				64QAM	1	1	24.99	24.80	24.95	24.49
				256QAM	1	1	22.97	22.97	23.06	22.42
		CP-OFDM		QPSK	1	1	26.07	25.99	26.10	25.43
	90	DFT-s OFDM		PI/2 BPSK	1	1	27.60	27.65	27.69	27.14
					1	123	27.35	27.49	27.49	27.31
					1	243	26.99	26.97	26.82	27.51
					120	0	26.82	26.95	26.90	26.54
					120	63	27.35	27.47	27.48	27.29
					120	125	26.59	26.62	26.64	26.86
					243	0	26.80	26.91	26.81	26.77
				QPSK	1	1	27.58	27.44	27.37	27.10
					1	123	27.37	27.29	27.33	27.31
					1	243	27.00	26.98	27.01	27.49
					120	0	26.30	26.16	26.08	26.04
					120	63	27.32	27.28	27.37	27.29
					120	125	26.08	25.92	25.84	26.37
					243	0	26.30	26.07	26.15	26.26
				16QAM	1	1	26.54	26.69	26.67	26.07
				64QAM	1	1	25.07	25.08	25.08	24.48
				256QAM	1	1	23.15	23.27	23.01	22.69
		CP-OFDM		QPSK	1	1	26.05	26.04	26.02	25.58

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	100	DFT-s OFDM	30	PI/2 BPSK	1	1	27.36	27.27	27.17	26.98
					1	137	27.09	27.43	27.23	27.12
					1	271	27.00	27.34	27.09	27.46
					135	0	26.55	26.42	26.58	26.55
					135	69	27.18	27.21	27.22	27.15
					135	138	26.41	26.51	26.61	26.70
					270	0	26.68	26.47	26.69	26.66
				QPSK	1	1	27.51	27.10	27.15	26.99
					1	137	27.22	27.49	27.26	27.13
					1	271	27.11	26.84	27.08	27.44
					135	0	26.16	26.06	26.07	26.02
					135	69	27.19	26.98	27.22	27.14
					135	138	25.96	26.07	26.10	26.21
					270	0	26.19	26.22	26.16	26.16
				16QAM	1	1	26.50	26.18	26.16	26.13
				64QAM	1	1	25.05	24.59	24.72	24.48
				256QAM	1	1	22.98	22.47	22.68	22.37
		CP-OFDM		QPSK	1	1	25.99	25.49	25.64	25.43

NR Band n41 (PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	10	DFT-s OFDM	30	PI/2 BPSK	1	1	24.74	24.49	24.62	24.49
					1	12	24.80	24.82	24.69	24.46
					1	22	24.60	24.54	24.76	24.68
					12	0	24.27	23.90	24.15	24.30
					12	6	24.88	24.64	24.69	24.63
					12	12	24.10	24.09	24.23	24.40
					24	0	24.07	24.35	24.19	24.22
				QPSK	1	1	24.38	24.61	24.59	24.63
					1	12	24.46	24.67	24.66	24.43
					1	22	24.67	24.90	24.77	24.85
					12	0	23.44	23.62	23.65	23.44
					12	6	24.71	24.90	24.71	24.91
					12	12	23.81	23.88	23.73	23.87
					24	0	23.68	23.82	23.69	23.48
				16QAM	1	1	23.37	23.46	23.60	23.35
				64QAM	1	1	22.13	21.92	22.05	21.85
				256QAM	1	1	19.77	20.05	20.00	20.20
		CP-OFDM		QPSK	1	1	23.19	23.22	23.17	23.32
	15	DFT-s OFDM		PI/2 BPSK	1	1	24.55	24.54	24.58	24.59
					1	19	24.93	24.62	24.70	24.54
					1	36	24.63	24.91	24.79	25.03
					18	0	24.08	23.95	24.12	24.28
					18	10	24.72	24.53	24.70	24.74
					18	20	24.37	24.42	24.25	24.38
					36	0	24.06	24.08	24.19	24.19
				QPSK	1	1	24.79	24.78	24.57	24.75
					1	19	24.60	24.74	24.66	24.68
					1	36	24.95	24.83	24.76	24.79
					18	0	23.83	23.46	23.60	23.57
					18	10	24.72	24.76	24.70	24.60
					18	20	23.78	23.63	23.76	23.99
					36	0	23.49	23.83	23.65	23.82
				16QAM	1	1	23.25	23.29	23.41	23.23
				64QAM	1	1	22.18	22.17	22.12	22.04
				256QAM	1	1	19.86	19.85	20.04	19.92
		CP-OFDM		QPSK	1	1	23.33	22.98	23.10	23.06

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	20	DFT-s OFDM	30	PI/2 BPSK	1	1	24.41	24.60	24.53	24.29
					1	26	24.44	24.68	24.66	24.85
					1	49	24.55	24.52	24.74	24.88
					25	0	24.10	23.98	24.09	24.06
					25	13	24.70	24.52	24.68	24.70
					25	26	24.06	24.09	24.25	24.38
					50	0	24.19	24.06	24.17	24.17
				QPSK	1	1	24.61	24.41	24.51	24.45
					1	26	24.45	24.58	24.67	24.67
					1	49	24.90	24.69	24.78	24.82
					25	0	23.57	23.43	23.61	23.57
					25	13	24.84	24.67	24.68	24.74
					25	26	23.84	23.70	23.72	23.81
					50	0	23.48	23.41	23.66	23.58
				16QAM	1	1	23.41	23.49	23.55	23.49
				64QAM	1	1	22.00	22.15	21.95	21.80
				256QAM	1	1	20.17	19.74	19.99	19.99
		CP-OFDM		QPSK	1	1	23.16	23.06	23.04	23.12
	30	DFT-s OFDM		PI/2 BPSK	1	1	24.49	24.60	24.44	24.53
					1	39	24.85	24.67	24.65	24.67
					1	76	24.80	24.74	24.64	24.64
					36	0	24.06	24.04	24.00	23.86
					36	21	24.51	24.82	24.64	24.46
					36	42	24.42	24.23	24.24	24.08
					75	0	24.28	24.19	24.14	24.20
				QPSK	1	1	24.55	24.58	24.48	24.41
					1	39	24.68	24.74	24.71	24.76
					1	76	24.54	24.60	24.71	24.72
					36	0	23.34	23.70	23.50	23.46
					36	21	24.84	24.48	24.65	24.56
					36	42	23.68	23.75	23.73	23.87
					75	0	23.69	23.64	23.60	23.51
				16QAM	1	1	23.64	23.57	23.63	23.78
				64QAM	1	1	22.09	21.84	21.94	21.83
				256QAM	1	1	19.74	19.82	19.87	19.97
		CP-OFDM		QPSK	1	1	22.90	23.00	23.03	22.92

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	40	DFT-s OFDM	30	PI/2 BPSK	1	1	25.04	24.92	24.80	24.60
					1	53	24.75	24.63	24.46	24.78
					1	104	24.54	24.33	24.17	24.97
					50	0	24.41	24.29	24.16	24.10
					50	28	24.70	24.52	24.28	24.77
					50	56	24.06	23.91	23.81	24.43
					100	0	24.20	24.05	23.98	24.22
				QPSK	1	1	25.04	24.79	24.72	24.58
					1	53	24.79	24.68	24.62	24.81
					1	104	24.50	24.36	24.13	24.93
					50	0	23.88	23.75	23.56	23.60
					50	28	24.68	24.47	24.33	24.79
					50	56	23.54	23.44	23.37	23.93
					100	0	23.69	23.51	23.37	23.73
				16QAM	1	1	24.05	23.83	23.68	23.50
				64QAM	1	1	22.47	22.41	22.36	22.06
				256QAM	1	1	20.49	20.27	20.21	19.98
		CP-OFDM		QPSK	1	1	23.56	23.41	23.17	23.08
	50	DFT-s OFDM		PI/2 BPSK	1	1	25.08	24.96	24.50	24.59
					1	67	24.75	24.68	24.69	24.75
					1	131	24.55	24.40	24.54	25.04
					64	0	24.43	24.34	24.00	24.20
					64	35	24.76	24.53	24.68	24.79
					64	69	24.16	23.92	24.24	24.52
					128	0	24.22	23.97	24.14	24.23
				QPSK	1	1	25.03	24.89	24.47	24.55
					1	67	24.72	24.61	24.66	24.73
					1	131	24.50	24.26	24.52	25.02
					64	0	23.93	23.77	23.47	23.72
					64	35	24.75	24.68	24.67	24.78
					64	69	23.67	23.62	23.73	24.01
					128	0	23.71	23.53	23.62	23.71
				16QAM	1	1	24.17	23.96	23.58	23.67
				64QAM	1	1	22.44	22.29	21.92	22.06
				256QAM	1	1	20.51	20.38	19.86	19.97
		CP-OFDM		QPSK	1	1	23.48	23.38	23.07	23.09

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	60	DFT-s OFDM	30	PI/2 BPSK	1	1	25.02	24.96	24.44	24.43
					1	81	24.63	24.48	24.70	24.70
					1	160	24.55	24.39	24.47	24.96
					81	0	24.30	24.20	23.97	24.08
					81	41	24.59	24.49	24.66	24.65
					81	81	24.12	23.89	24.18	24.36
					162	0	24.06	23.84	24.13	24.13
				QPSK	1	1	24.98	24.91	24.45	24.42
					1	81	24.62	24.38	24.69	24.70
					1	160	24.52	24.31	24.46	24.96
					81	0	23.77	23.67	23.46	23.58
					81	41	24.58	24.42	24.66	24.63
					81	81	23.63	23.49	23.71	23.84
					162	0	23.52	23.30	23.63	23.57
				16QAM	1	1	24.03	23.84	23.38	23.51
				64QAM	1	1	22.49	22.28	21.87	21.97
				256QAM	1	1	20.36	20.16	19.91	19.82
		CP-OFDM		QPSK	1	1	23.48	23.42	22.99	22.97
	70	DFT-s OFDM		PI/2 BPSK	1	1	25.08	24.96	24.93	24.31
					1	95	24.74	24.53	24.64	24.48
					1	187	24.04	23.85	23.94	24.33
					90	0	24.39	24.17	24.15	23.90
					90	50	24.74	24.62	24.59	24.52
					90	99	24.11	23.97	23.89	24.21
					180	0	24.20	24.03	24.07	24.02
				QPSK	1	1	25.05	24.87	24.88	24.31
					1	95	24.71	24.49	24.48	24.52
					1	187	23.58	23.52	23.50	23.82
					90	0	23.88	23.72	23.74	23.42
					90	50	24.74	24.52	24.53	24.54
					90	99	23.59	23.47	23.49	23.70
					180	0	23.68	23.55	23.58	23.52
				16QAM	1	1	24.19	23.96	24.00	23.40
				64QAM	1	1	22.46	22.31	22.28	21.82
				256QAM	1	1	20.56	20.40	20.31	19.65
		CP-OFDM		QPSK	1	1	23.55	23.41	23.31	22.90

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	80	DFT-s OFDM	30	PI/2 BPSK	1	1	25.12	25.00	24.99	24.53
					1	109	24.69	24.48	24.44	24.71
					1	215	24.50	24.30	24.38	25.02
					108	0	24.30	24.08	24.17	24.01
					108	55	24.71	24.47	24.50	24.73
					108	109	24.15	23.99	23.93	24.32
					216	0	24.16	24.04	24.02	24.20
				QPSK	1	1	25.14	24.99	24.92	24.53
					1	109	24.72	24.49	24.54	24.71
					1	215	24.44	24.21	24.19	24.99
					108	0	23.78	23.60	23.64	23.50
					108	55	24.70	24.59	24.55	24.69
					108	109	23.65	23.54	23.51	23.82
					216	0	23.64	23.46	23.40	23.69
				16QAM	1	1	24.21	23.99	24.06	23.58
				64QAM	1	1	22.64	22.41	22.46	22.13
				256QAM	1	1	20.50	20.26	20.28	19.99
		CP-OFDM		QPSK	1	1	23.55	23.38	23.31	23.10
	90	DFT-s OFDM		PI/2 BPSK	1	1	25.01	24.76	24.80	24.67
					1	123	24.85	24.69	24.60	24.82
					1	243	24.52	24.41	24.23	25.07
					120	0	24.34	24.11	24.06	24.06
					120	63	24.86	24.69	24.75	24.82
					120	125	24.11	23.95	23.84	24.36
					243	0	24.32	24.15	24.18	24.28
				QPSK	1	1	25.11	24.88	25.00	24.62
					1	123	24.86	24.71	24.75	24.79
					1	243	24.54	24.30	24.27	25.03
					120	0	23.79	23.65	23.69	23.56
					120	63	24.85	24.69	24.57	24.81
					120	125	23.58	23.48	23.28	23.84
					243	0	23.81	23.56	23.57	23.77
				16QAM	1	1	24.08	23.80	23.93	23.75
				64QAM	1	1	22.74	22.50	22.60	22.26
				256QAM	1	1	20.58	20.31	20.32	20.13
		CP-OFDM		QPSK	1	1	23.66	23.47	23.39	23.15

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power			
							Frequency (㎒)			
							Low (FCC)	Low (IC)	Middle	High
NR n41	100	DFT-s OFDM	30	PI/2 BPSK	1	1	25.03	24.82	24.72	24.54
					1	137	24.64	25.03	24.74	24.68
					1	271	24.59	24.91	24.65	25.08
					135	0	24.09	24.15	24.04	24.06
					135	69	24.62	24.79	24.69	24.70
					135	138	23.86	24.31	24.07	24.24
					270	0	24.10	24.28	24.15	24.19
				QPSK	1	1	25.02	24.96	24.70	24.56
					1	137	24.67	24.90	24.69	24.66
					1	271	24.60	24.76	24.61	25.05
					135	0	23.60	23.69	23.53	23.55
					135	69	24.64	24.94	24.70	24.69
					135	138	23.37	23.78	23.57	23.72
					270	0	23.61	23.86	23.64	23.68
				16QAM	1	1	24.15	23.92	23.72	23.65
				64QAM	1	1	22.56	22.39	22.23	22.03
				256QAM	1	1	20.51	20.55	20.27	20.04
		CP-OFDM		QPSK	1	1	23.59	23.48	23.29	23.15

NR Band n66

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n66	5	DFT-s OFDM	15	PI/2 BPSK	1	1	24.73	24.97	25.02
					1	13	24.41	24.98	24.54
					1	23	24.89	25.01	24.76
					12	0	24.13	24.59	24.42
					12	7	24.84	25.08	24.76
					12	13	24.91	24.68	24.80
					25	0	24.35	24.63	24.21
				QPSK	1	1	25.17	25.21	25.38
					1	13	24.96	25.12	24.86
					1	23	25.26	25.12	25.04
					12	0	23.86	24.15	23.98
					12	7	24.81	25.12	24.83
					12	13	24.37	24.09	24.07
					25	0	23.94	24.17	23.91
				16QAM	1	1	23.84	23.96	23.93
				64QAM	1	1	22.57	22.45	22.74
				256QAM	1	1	20.42	20.39	20.45
		CP-OFDM		QPSK	1	1	23.76	23.62	23.76
	10	DFT-s OFDM		PI/2 BPSK	1	1	25.09	25.31	25.39
					1	26	24.75	25.31	24.80
					1	50	24.96	25.13	24.81
					25	0	24.28	24.72	24.63
					25	14	24.92	25.20	24.85
					25	27	24.75	24.73	24.80
					50	0	24.45	24.78	24.39
				QPSK	1	1	25.19	25.23	25.42
					1	26	25.22	25.26	24.96
					1	50	25.21	25.12	24.94
					25	0	23.90	24.21	24.06
					25	14	24.96	25.22	24.85
					25	27	24.11	24.17	24.19
					50	0	23.94	24.13	23.85
				16QAM	1	1	24.14	24.26	24.20
				64QAM	1	1	22.61	22.56	22.78
				256QAM	1	1	20.60	20.57	20.72
		CP-OFDM		QPSK	1	1	23.63	23.62	23.66

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n66	15	DFT-s OFDM	15	PI/2 BPSK	1	1	24.63	24.91	24.99
					1	40	24.69	25.16	24.73
					1	77	24.96	25.04	24.81
					36	0	24.41	24.79	24.61
					36	22	25.02	25.24	24.93
					36	43	24.91	24.68	24.75
					75	0	24.51	24.81	24.35
				QPSK	1	1	24.69	24.75	24.89
					1	40	25.11	25.17	24.95
					1	77	25.20	25.10	24.91
					36	0	24.14	24.32	24.21
					36	22	25.07	25.26	24.93
					36	43	24.49	24.14	24.18
					75	0	24.08	24.28	24.01
				16QAM	1	1	23.86	23.98	24.01
				64QAM	1	1	22.66	22.57	22.87
				256QAM	1	1	20.41	20.36	20.46
		CP-OFDM		QPSK	1	1	23.66	23.66	23.80
	20	DFT-s OFDM		PI/2 BPSK	1	1	24.56	24.79	24.94
					1	53	24.77	25.33	24.92
					1	104	24.89	25.02	24.75
					50	0	24.51	24.86	24.63
					50	28	25.07	25.27	25.03
					50	56	24.82	24.73	24.82
					100	0	24.57	24.83	24.45
				QPSK	1	1	24.79	24.86	25.12
					1	53	25.13	25.35	24.94
					1	104	25.03	24.97	24.83
					50	0	24.06	24.29	24.19
					50	28	24.99	25.30	25.00
					50	56	24.16	24.20	24.17
					100	0	24.11	24.32	23.95
				16QAM	1	1	24.05	24.12	24.09
				64QAM	1	1	22.70	22.60	22.84
				256QAM	1	1	20.69	20.67	20.77
		CP-OFDM		QPSK	1	1	23.63	23.58	23.65

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n66	25	DFT-s OFDM	15	PI/2 BPSK	1	1	24.87	25.06	25.15
					1	67	24.56	25.12	24.68
					1	131	24.79	24.92	24.73
					64	0	24.31	24.76	24.58
					64	35	25.01	25.28	24.96
					64	69	24.92	24.59	24.66
					128	0	24.43	24.76	24.40
				QPSK	1	1	25.10	25.14	25.36
					1	67	25.12	25.26	24.97
					1	131	25.00	24.97	24.78
					64	0	24.03	24.30	24.14
					64	35	25.04	25.29	25.00
					64	69	24.44	24.15	24.13
					128	0	24.02	24.25	23.89
				16QAM	1	1	24.10	24.19	24.14
				64QAM	1	1	22.49	22.40	22.59
				256QAM	1	1	20.43	20.47	20.56
		CP-OFDM		QPSK	1	1	23.61	23.59	23.71
	30	DFT-s OFDM		PI/2 BPSK	1	1	24.76	25.07	25.17
					1	80	24.87	25.21	24.92
					1	158	24.77	24.93	24.67
					80	0	24.25	24.75	24.62
					80	40	25.14	25.35	25.09
					80	80	24.91	24.58	24.71
					160	0	24.55	24.82	24.44
				QPSK	1	1	24.94	25.02	25.16
					1	80	25.18	25.28	24.94
					1	158	25.02	24.94	24.84
					80	0	23.88	24.16	23.99
					80	40	24.94	25.37	24.94
					80	80	24.38	24.10	24.12
					160	0	24.07	24.23	23.95
				16QAM	1	1	23.99	24.10	24.02
				64QAM	1	1	22.78	22.71	22.96
				256QAM	1	1	20.39	20.34	20.44
		CP-OFDM		QPSK	1	1	23.52	23.48	23.65

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n66	40	DFT-s OFDM	15	PI/2 BPSK	1	1	24.58	24.82	24.89
					1	108	24.81	25.20	24.91
					1	214	24.80	24.92	24.67
					108	0	24.22	24.65	24.49
					108	54	24.95	25.22	24.93
					108	108	24.73	24.47	24.55
					216	0	24.44	24.74	24.34
				QPSK	1	1	24.76	24.81	25.00
					1	108	25.09	25.21	24.91
					1	214	24.97	24.90	24.77
					108	0	23.92	24.17	24.02
					108	54	25.00	25.27	24.92
					108	108	24.22	23.92	23.93
					216	0	23.92	24.14	23.81
				16QAM	1	1	23.69	23.80	23.78
				64QAM	1	1	22.39	22.33	22.56
				256QAM	1	1	20.20	20.17	20.28
		CP-OFDM		QPSK	1	1	23.31	23.25	23.37

NR Band n71

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n71	5	DFT-s OFDM	15	PI/2 BPSK	1	1	24.28	23.99	23.98
					1	13	24.17	23.85	23.84
					1	23	24.21	24.00	23.99
					12	0	23.79	23.45	23.46
					12	7	24.27	23.88	23.99
					12	13	23.73	23.41	23.43
					25	0	23.73	23.50	23.47
				QPSK	1	1	24.35	23.94	24.03
					1	13	24.17	23.79	23.82
					1	23	24.15	23.98	23.89
					12	0	23.30	22.96	23.06
					12	7	24.28	23.96	24.01
					12	13	23.24	22.92	23.01
					25	0	23.25	22.91	23.05
				16QAM	1	1	23.42	23.01	22.81
				64QAM	1	1	21.83	21.65	21.49
				256QAM	1	1	19.69	19.48	19.48
		CP-OFDM		QPSK	1	1	22.81	22.41	22.51
	10	DFT-s OFDM		PI/2 BPSK	1	1	24.32	23.90	23.88
					1	26	24.30	24.10	23.99
					1	50	24.06	23.97	23.88
					25	0	23.73	23.44	23.43
					25	14	24.15	23.91	23.91
					25	27	23.56	23.47	23.42
					50	0	23.69	23.49	23.41
				QPSK	1	1	24.33	24.02	23.85
					1	26	24.21	24.00	23.92
					1	50	24.12	24.01	23.82
					25	0	23.26	23.01	22.95
					25	14	24.16	23.96	23.97
					25	27	23.10	22.98	22.89
					50	0	23.13	23.01	22.92
				16QAM	1	1	23.25	23.17	23.03
				64QAM	1	1	21.89	21.36	21.46
				256QAM	1	1	19.82	19.37	19.26
		CP-OFDM		QPSK	1	1	22.79	22.55	22.42

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n71	15	DFT-s OFDM	15	PI/2 BPSK	1	1	24.09	23.97	24.01
					1	40	23.90	23.75	23.82
					1	77	23.94	23.90	23.90
					36	0	23.59	23.40	23.47
					36	22	23.97	23.94	23.93
					36	43	23.41	23.42	23.48
					75	0	23.43	23.43	23.48
				QPSK	1	1	24.10	24.02	24.00
					1	40	23.91	23.88	23.83
					1	77	23.90	23.93	23.88
					36	0	23.05	23.01	22.96
					36	22	24.01	23.96	23.92
					36	43	22.97	23.04	22.92
					75	0	22.91	22.95	22.98
				16QAM	1	1	23.15	22.84	22.94
				64QAM	1	1	21.68	21.62	21.54
				256QAM	1	1	19.59	19.41	19.47
		CP-OFDM		QPSK	1	1	22.52	22.54	22.54
	20	DFT-s OFDM		PI/2 BPSK	1	1	23.83	23.88	23.85
					1	53	23.92	23.90	24.03
					1	104	23.76	23.79	23.79
					50	0	23.45	23.41	23.48
					50	28	23.86	23.84	23.85
					50	56	23.29	23.38	23.38
					100	0	23.34	23.36	23.39
				QPSK	1	1	24.04	23.91	23.84
					1	53	24.03	23.94	23.93
					1	104	23.81	23.80	23.76
					50	0	22.90	22.93	22.94
					50	28	23.87	23.86	23.82
					50	56	22.78	22.90	22.83
					100	0	22.91	22.82	22.89
				16QAM	1	1	23.14	23.10	22.71
				64QAM	1	1	21.53	21.53	21.34
				256QAM	1	1	19.49	19.53	19.47
		CP-OFDM		QPSK	1	1	22.59	22.38	22.37

NR Band n77 Lower (PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	26.96	26.81	26.67
					1	12	26.89	26.77	26.71
					1	22	26.92	26.80	26.72
					12	0	26.39	26.26	26.09
					12	6	26.86	26.76	26.94
					12	12	26.39	26.27	26.39
					24	0	26.30	26.26	26.10
				QPSK	1	1	26.93	26.79	26.99
					1	12	26.63	26.71	26.80
					1	22	26.58	26.68	26.55
					12	0	25.59	25.76	25.92
					12	6	26.65	26.73	26.92
					12	12	25.79	25.77	25.91
					24	0	25.80	25.74	25.88
				16QAM	1	1	25.86	25.66	25.55
				64QAM	1	1	24.36	24.24	24.18
				256QAM	1	1	22.07	22.20	22.27
		CP-OFDM		QPSK	1	1	25.54	25.35	25.27
	15	DFT-s OFDM		PI/2 BPSK	1	1	27.00	26.82	26.75
					1	19	26.62	26.82	26.84
					1	36	26.77	26.81	26.68
					18	0	26.18	26.27	26.15
					18	10	26.91	26.74	26.67
					18	20	26.40	26.27	26.30
					36	0	26.14	26.25	26.30
				QPSK	1	1	26.79	26.82	27.01
					1	19	26.58	26.75	26.69
					1	36	26.73	26.81	26.92
					18	0	25.80	25.78	25.96
					18	10	26.60	26.73	26.78
					18	20	25.65	25.77	25.80
					36	0	25.89	25.74	25.67
				16QAM	1	1	25.93	25.99	26.00
				64QAM	1	1	24.36	24.42	24.37
				256QAM	1	1	22.24	22.33	22.41
		CP-OFDM		QPSK	1	1	25.22	25.22	25.07

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	26.93	26.82	26.87
					1	26	26.90	26.74	26.90
					1	49	26.78	26.83	26.92
					25	0	26.09	26.26	26.43
					25	13	26.54	26.72	26.75
					25	26	26.49	26.29	26.32
					50	0	26.28	26.24	26.22
				QPSK	1	1	26.87	26.80	26.64
					1	26	26.88	26.70	26.87
					1	49	26.90	26.78	26.73
					25	0	25.92	25.80	25.82
					25	13	26.65	26.75	26.70
					25	26	25.77	25.78	25.91
					50	0	25.90	25.74	25.80
				16QAM	1	1	26.05	25.90	25.87
				64QAM	1	1	24.20	24.25	24.35
				256QAM	1	1	22.35	22.26	22.40
		CP-OFDM		QPSK	1	1	25.27	25.32	25.32
	25	DFT-s OFDM		PI/2 BPSK	1	1	27.04	26.83	27.07
					1	33	27.11	26.87	27.34
					1	63	26.79	26.88	27.33
					32	0	26.54	26.26	26.59
					32	17	26.87	26.66	27.22
					32	33	26.39	26.26	26.75
					64	0	26.47	26.21	26.63
				QPSK	1	1	26.93	26.86	26.99
					1	33	26.90	26.70	27.22
					1	63	26.89	26.91	27.25
					32	0	25.92	25.81	26.16
					32	17	26.94	26.78	27.20
					32	33	25.92	25.80	26.25
					64	0	25.90	25.72	26.25
				16QAM	1	1	25.90	25.85	26.01
				64QAM	1	1	24.59	24.28	24.56
				256QAM	1	1	22.46	22.26	22.40
		CP-OFDM		QPSK	1	1	25.52	25.40	25.43

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	27.03	26.87	27.03
					1	39	27.06	26.83	27.31
					1	76	26.87	26.87	27.32
					36	0	26.50	26.32	26.62
					36	21	26.97	26.75	27.25
					36	42	26.42	26.31	26.82
					75	0	26.48	26.24	26.73
				QPSK	1	1	26.97	26.84	27.05
					1	39	26.96	26.74	27.30
					1	76	26.86	26.88	27.35
					36	0	25.99	25.82	26.14
					36	21	26.98	26.75	27.26
					36	42	25.92	25.80	26.32
					75	0	25.96	25.74	26.23
				16QAM	1	1	25.98	25.88	26.09
				64QAM	1	1	24.68	24.29	24.53
				256QAM	1	1	22.51	22.31	22.50
		CP-OFDM		QPSK	1	1	25.48	25.38	25.52
	40	DFT-s OFDM		PI/2 BPSK	1	1	27.06	26.96	26.76
					1	53	27.08	27.05	27.10
					1	104	26.86	26.80	27.19
					50	0	26.56	26.55	26.44
					50	28	27.05	27.01	27.06
					50	56	26.48	26.32	26.71
					100	0	26.52	26.57	26.52
				QPSK	1	1	27.03	27.19	26.79
					1	53	27.04	27.14	27.08
					1	104	26.82	26.79	27.21
					50	0	26.07	26.12	25.94
					50	28	27.05	27.04	27.06
					50	56	25.97	25.94	26.20
					100	0	26.01	26.07	26.03
				16QAM	1	1	26.17	26.27	25.72
				64QAM	1	1	24.55	24.63	24.20
				256QAM	1	1	22.59	22.64	22.12
		CP-OFDM		QPSK	1	1	25.56	25.56	25.22

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	26.96	27.06	26.57
					1	67	26.89	26.75	26.90
					1	131	26.60	26.49	27.08
					64	0	26.49	26.50	26.25
					64	35	26.88	27.04	26.91
					64	69	26.26	26.23	26.55
					128	0	26.41	26.42	26.39
				QPSK	1	1	26.95	27.00	26.60
					1	67	26.90	27.09	26.90
					1	131	26.58	26.53	27.08
					64	0	25.97	26.00	25.75
					64	35	26.90	26.89	26.90
					64	69	25.75	25.82	26.05
					128	0	25.88	25.91	25.90
				16QAM	1	1	25.96	25.90	25.55
				64QAM	1	1	24.40	24.26	24.10
				256QAM	1	1	22.48	22.56	22.10
		CP-OFDM		QPSK	1	1	25.45	25.44	25.03
	60	DFT-s OFDM		PI/2 BPSK	1	1	26.74	26.89	26.73
					1	81	26.88	26.82	26.83
					1	160	27.00	26.98	26.83
					81	0	26.45	26.36	26.33
					81	41	26.86	26.74	26.60
					81	81	26.31	26.37	26.47
					162	0	26.40	26.21	26.07
				QPSK	1	1	26.95	26.88	26.68
					1	81	26.70	26.74	26.83
					1	160	26.93	26.97	27.08
					81	0	25.78	25.87	25.68
					81	41	26.64	26.75	26.94
					81	81	25.89	25.89	26.02
					162	0	25.91	25.72	25.55
				16QAM	1	1	26.08	25.89	26.08
				64QAM	1	1	24.42	24.38	24.20
				256QAM	1	1	22.36	22.39	22.38
		CP-OFDM		QPSK	1	1	25.55	25.37	25.48

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	26.66	26.84	26.72
					1	95	26.64	26.70	26.89
					1	187	26.97	26.86	26.66
					90	0	26.18	26.38	26.34
					90	50	26.90	26.75	26.74
					90	99	26.34	26.42	26.53
					180	0	26.38	26.24	26.26
				QPSK	1	1	26.72	26.82	26.91
					1	95	26.88	26.70	26.71
					1	187	26.93	26.74	26.66
					90	0	25.63	25.83	25.82
					90	50	26.71	26.69	26.51
					90	99	25.94	25.86	25.75
					180	0	25.59	25.68	25.56
				16QAM	1	1	25.74	25.93	25.78
				64QAM	1	1	24.29	24.44	24.24
				256QAM	1	1	22.20	22.40	22.55
		CP-OFDM		QPSK	1	1	25.18	25.28	25.16
	80	DFT-s OFDM		PI/2 BPSK	1	1	26.82	26.83	26.67
					1	109	26.62	26.70	26.90
					1	215	26.95	27.00	27.12
					108	0	26.46	26.35	26.44
					108	55	26.63	26.70	26.52
					108	109	26.42	26.40	26.42
					216	0	26.14	26.18	25.98
				QPSK	1	1	26.74	26.80	26.87
					1	109	26.55	26.71	26.74
					1	215	27.04	26.97	27.16
					108	0	25.82	25.88	25.68
					108	55	26.56	26.70	26.57
					108	109	25.92	25.89	25.90
					216	0	25.68	25.67	25.74
				16QAM	1	1	25.91	25.93	25.82
				64QAM	1	1	24.50	24.36	24.17
				256QAM	1	1	22.38	22.46	22.65
		CP-OFDM		QPSK	1	1	25.07	25.20	25.00

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	26.76	26.86	26.83
					1	123	26.68	26.76	26.80
					1	243	27.03	27.08	27.02
					120	0	26.59	26.41	26.59
					120	63	26.68	26.74	26.71
					120	125	26.30	26.45	26.64
					243	0	26.08	26.22	26.37
				QPSK	1	1	26.81	26.88	27.08
					1	123	26.58	26.78	26.80
					1	243	27.18	27.09	27.08
					120	0	26.13	25.93	26.07
					120	63	26.92	26.74	26.65
					120	125	26.10	25.96	25.95
					243	0	25.73	25.71	25.65
				16QAM	1	1	26.00	25.92	25.89
				64QAM	1	1	24.45	24.30	24.23
				256QAM	1	1	22.45	22.25	22.42
		CP-OFDM		QPSK	1	1	25.42	25.36	25.53
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	26.71	-
					1	137	-	26.68	-
					1	271	-	26.98	-
					135	0	-	26.40	-
					135	69	-	26.75	-
					135	138	-	26.46	-
					270	0	-	26.22	-
				QPSK	1	1	-	26.70	-
					1	137	-	26.70	-
					1	271	-	26.91	-
					135	0	-	25.80	-
					135	69	-	26.63	-
					135	138	-	25.89	-
					270	0	-	25.59	-
				16QAM	1	1	-	25.94	-
				64QAM	1	1	-	24.39	-
				256QAM	1	1	-	22.50	-
		CP-OFDM		QPSK	1	1	-	25.06	-

NR Band n77 Upper (PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	27.26	27.18	27.39
					1	12	27.21	27.34	27.29
					1	22	27.22	27.06	26.93
					12	0	26.75	26.77	26.89
					12	6	27.23	27.07	27.18
					12	12	26.72	26.62	26.54
					24	0	26.73	26.57	26.47
				QPSK	1	1	27.25	27.19	27.27
					1	12	27.30	27.16	27.34
					1	22	27.18	27.10	27.28
					12	0	26.26	26.22	26.27
					12	6	27.25	27.16	27.15
					12	12	26.21	25.89	26.16
					24	0	26.23	26.31	25.98
				16QAM	1	1	26.32	26.43	25.97
				64QAM	1	1	24.95	24.69	24.76
				256QAM	1	1	22.61	22.69	22.58
		CP-OFDM		QPSK	1	1	25.71	25.54	25.75
	15	DFT-s OFDM		PI/2 BPSK	1	1	27.33	27.48	27.28
					1	19	27.24	26.93	27.06
					1	36	27.21	27.31	27.32
					18	0	26.80	26.50	26.75
					18	10	27.24	27.22	27.13
					18	20	26.71	26.80	26.62
					36	0	26.77	26.75	26.55
				QPSK	1	1	27.32	27.13	27.05
					1	19	27.34	27.33	27.38
					1	36	27.15	26.86	26.94
					18	0	26.28	25.96	26.33
					18	10	27.23	27.26	27.07
					18	20	26.20	26.17	26.07
					36	0	26.22	26.02	26.02
				16QAM	1	1	26.47	26.60	26.54
				64QAM	1	1	24.77	24.78	24.47
				256QAM	1	1	22.79	22.73	22.81
		CP-OFDM		QPSK	1	1	25.79	25.68	25.70

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	27.36	27.13	27.18
					1	26	27.23	27.15	27.20
					1	49	27.13	27.27	27.28
					25	0	26.81	26.52	26.87
					25	13	27.26	27.40	27.31
					25	26	26.69	26.58	26.80
					50	0	26.78	26.91	26.57
				QPSK	1	1	27.33	27.38	27.16
					1	26	27.27	27.38	27.03
					1	49	27.15	27.28	27.01
					25	0	26.32	26.05	26.09
					25	13	27.26	27.29	27.12
					25	26	26.19	26.31	26.02
					50	0	26.26	26.25	26.21
				16QAM	1	1	26.24	26.25	26.05
				64QAM	1	1	24.87	24.58	24.68
				256QAM	1	1	22.81	22.72	22.80
		CP-OFDM		QPSK	1	1	25.89	25.88	25.73
	25	DFT-s OFDM		PI/2 BPSK	1	1	27.19	27.36	27.21
					1	33	27.16	26.83	27.04
					1	63	26.94	26.73	26.70
					32	0	26.69	26.44	26.53
					32	17	27.13	26.79	27.08
					32	33	26.52	26.40	26.17
					64	0	26.62	26.65	26.72
				QPSK	1	1	27.09	27.34	26.77
					1	33	27.05	27.17	26.68
					1	63	26.88	26.77	26.73
					32	0	26.24	26.23	25.85
					32	17	27.13	26.88	26.87
					32	33	25.96	26.07	25.95
					64	0	26.07	25.82	25.80
				16QAM	1	1	26.11	26.02	25.92
				64QAM	1	1	24.72	24.44	24.91
				256QAM	1	1	22.62	22.74	22.51
		CP-OFDM		QPSK	1	1	25.68	25.53	25.62

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	27.24	27.35	27.30
					1	39	27.17	26.83	27.03
					1	76	26.98	26.77	26.68
					36	0	26.69	26.39	26.59
					36	21	27.10	26.82	27.04
					36	42	26.54	26.37	26.26
					75	0	26.61	26.66	26.70
				QPSK	1	1	27.19	27.30	26.87
					1	39	27.07	27.21	26.72
					1	76	26.97	26.76	26.77
					36	0	26.19	26.22	25.87
					36	21	27.10	26.83	26.87
					36	42	26.03	26.04	25.94
					75	0	26.10	25.87	25.77
				16QAM	1	1	26.20	26.02	25.89
				64QAM	1	1	24.80	24.54	24.87
				256QAM	1	1	22.59	22.69	22.54
		CP-OFDM		QPSK	1	1	25.73	25.57	25.67
	40	DFT-s OFDM		PI/2 BPSK	1	1	27.32	27.47	27.13
					1	53	27.19	27.04	27.43
					1	104	27.02	26.84	27.14
					50	0	26.73	26.66	26.89
					50	28	27.12	26.92	27.42
					50	56	26.53	26.62	26.72
					100	0	26.63	26.77	26.88
				QPSK	1	1	27.26	26.98	27.14
					1	53	27.13	26.89	27.41
					1	104	26.97	26.67	27.12
					50	0	26.23	25.89	26.37
					50	28	27.12	26.85	27.41
					50	56	26.05	25.96	26.22
					100	0	26.11	25.83	26.39
				16QAM	1	1	26.36	26.24	26.14
				64QAM	1	1	24.70	24.71	24.70
				256QAM	1	1	22.73	22.77	22.61
		CP-OFDM		QPSK	1	1	25.78	25.54	25.58

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	27.13	27.00	27.17
					1	67	27.00	27.01	27.07
					1	131	26.92	26.89	26.85
					64	0	26.56	26.24	26.34
					64	35	26.99	26.67	26.77
					64	69	26.44	26.40	26.51
					128	0	26.47	26.29	26.25
				QPSK	1	1	27.12	27.10	26.95
					1	67	26.96	26.95	26.68
					1	131	26.88	26.54	26.87
					64	0	26.07	25.82	26.12
					64	35	27.00	27.11	26.79
					64	69	25.94	25.94	26.08
					128	0	25.98	26.04	25.86
				16QAM	1	1	26.10	26.07	26.06
				64QAM	1	1	24.64	24.45	24.29
				256QAM	1	1	22.46	22.51	22.14
		CP-OFDM		QPSK	1	1	25.57	25.24	25.23
	60	DFT-s OFDM		PI/2 BPSK	1	1	27.25	26.93	27.13
					1	81	27.13	26.89	26.92
					1	160	26.89	27.00	26.75
					81	0	26.62	26.37	26.41
					81	41	27.07	26.91	26.94
					81	81	26.49	26.36	26.20
					162	0	26.50	26.20	26.26
				QPSK	1	1	27.23	27.25	27.13
					1	81	27.10	27.20	27.12
					1	160	26.89	26.61	26.75
					81	0	26.12	25.92	25.79
					81	41	27.04	26.92	26.82
					81	81	25.99	25.93	25.70
					162	0	25.98	26.06	25.77
				16QAM	1	1	26.23	26.20	25.88
				64QAM	1	1	24.73	24.66	24.64
				256QAM	1	1	22.59	22.42	22.30
		CP-OFDM		QPSK	1	1	25.69	25.45	25.62

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	27.10	27.07	26.62
					1	95	26.90	26.58	27.19
					1	187	26.93	26.62	26.55
					90	0	26.45	26.57	26.20
					90	50	26.93	26.84	27.19
					90	99	26.39	26.32	26.74
					180	0	26.39	26.09	26.62
				QPSK	1	1	27.03	27.04	26.63
					1	95	26.89	26.96	27.22
					1	187	26.72	26.40	26.57
					90	0	25.96	25.71	25.69
					90	50	26.91	26.94	27.19
					90	99	25.86	25.99	26.25
					180	0	25.86	25.96	26.12
				16QAM	1	1	26.23	25.95	25.77
				64QAM	1	1	24.61	24.55	24.18
				256QAM	1	1	22.40	22.05	22.17
		CP-OFDM		QPSK	1	1	25.58	25.40	25.12
	80	DFT-s OFDM		PI/2 BPSK	1	1	27.11	27.25	27.09
					1	109	26.97	26.74	27.02
					1	215	26.69	26.84	26.39
					108	0	26.48	26.19	26.24
					108	55	26.98	26.80	27.12
					108	109	26.38	26.11	26.50
					216	0	26.38	26.51	26.05
				QPSK	1	1	27.08	27.11	26.85
					1	109	26.98	26.83	26.87
					1	215	26.69	26.65	26.67
					108	0	25.99	26.05	26.00
					108	55	26.96	26.63	26.63
					108	109	25.87	25.88	26.01
					216	0	25.89	25.78	25.89
				16QAM	1	1	26.12	26.15	26.27
				64QAM	1	1	24.62	24.75	24.38
				256QAM	1	1	22.61	22.42	22.35
		CP-OFDM		QPSK	1	1	25.51	25.63	25.47

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	27.03	26.53	26.49
					1	123	26.86	26.70	27.15
					1	243	26.66	26.49	26.89
					120	0	26.34	26.46	26.38
					120	63	26.84	26.71	27.11
					120	125	26.33	26.13	26.84
					243	0	26.29	26.14	26.50
				QPSK	1	1	26.99	26.57	26.45
					1	123	26.83	26.76	27.12
					1	243	26.64	26.49	26.86
					120	0	25.83	25.95	25.87
					120	63	26.83	26.71	27.11
					120	125	25.83	25.64	26.33
					243	0	25.80	25.65	25.99
				16QAM	1	1	26.07	25.63	25.47
				64QAM	1	1	24.64	23.99	24.01
				256QAM	1	1	22.53	21.93	21.96
		CP-OFDM		QPSK	1	1	25.54	25.01	25.05
	100	DFT-s OFDM		PI/2 BPSK	1	1	27.01	27.25	26.27
					1	137	26.93	26.84	26.89
					1	271	26.58	26.75	26.94
					135	0	26.39	26.49	26.23
					135	69	26.90	27.12	26.87
					135	138	26.29	26.46	26.81
					270	0	26.32	26.33	26.30
				QPSK	1	1	26.99	27.01	26.26
					1	137	26.95	27.14	26.92
					1	271	26.59	26.79	26.96
					135	0	25.89	25.67	25.75
					135	69	26.88	27.11	26.87
					135	138	25.78	25.64	26.32
					270	0	25.81	26.05	25.81
				16QAM	1	1	26.11	26.16	25.51
				64QAM	1	1	24.60	24.71	23.70
				256QAM	1	1	22.57	22.58	21.71
		CP-OFDM		QPSK	1	1	25.45	25.51	24.70

NR Band n77 IC (PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	26.96	27.03	26.75
					1	12	26.89	26.85	26.76
					1	22	26.92	26.77	27.00
					12	0	26.39	26.38	26.33
					12	6	26.86	27.00	26.75
					12	12	26.39	26.34	26.33
					24	0	26.30	26.45	26.40
				QPSK	1	1	26.93	26.89	26.78
					1	12	26.63	26.66	26.67
					1	22	26.58	26.76	26.35
					12	0	25.59	25.35	25.79
					12	6	26.65	26.40	26.83
					12	12	25.79	25.80	25.83
					24	0	25.80	25.95	25.66
				16QAM	1	1	25.86	25.93	25.62
				64QAM	1	1	24.36	24.11	24.36
				256QAM	1	1	22.07	21.85	21.98
		CP-OFDM		QPSK	1	1	25.54	25.56	25.51
	15	DFT-s OFDM		PI/2 BPSK	1	1	27.00	26.99	27.11
					1	19	26.62	26.37	26.64
					1	36	26.77	26.71	26.60
					18	0	26.18	26.36	26.17
					18	10	26.91	27.07	26.97
					18	20	26.40	26.28	26.49
					36	0	26.14	26.23	26.14
				QPSK	1	1	26.79	26.86	26.92
					1	19	26.58	26.64	26.58
					1	36	26.73	26.74	26.72
					18	0	25.80	25.70	25.57
					18	10	26.60	26.42	26.41
					18	20	25.65	25.52	25.55
					36	0	25.89	25.92	26.08
				16QAM	1	1	25.93	25.94	25.94
				64QAM	1	1	24.36	24.12	24.54
				256QAM	1	1	22.24	22.32	22.15
		CP-OFDM		QPSK	1	1	25.22	25.37	25.24

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	26.93	27.02	26.76
					1	26	26.90	26.89	27.01
					1	49	26.78	26.60	26.71
					25	0	26.09	26.28	26.10
					25	13	26.54	26.52	26.59
					25	26	26.49	26.66	26.31
					50	0	26.28	26.06	26.35
				QPSK	1	1	26.87	26.97	26.92
					1	26	26.88	26.94	26.64
					1	49	26.90	26.79	26.97
					25	0	25.92	25.78	25.77
					25	13	26.65	26.56	26.62
					25	26	25.77	25.72	25.86
					50	0	25.90	25.94	25.79
				16QAM	1	1	26.05	26.23	25.91
				64QAM	1	1	24.20	24.31	24.30
				256QAM	1	1	22.35	22.53	22.52
		CP-OFDM		QPSK	1	1	25.27	25.16	25.33
	25	DFT-s OFDM		PI/2 BPSK	1	1	27.05	26.86	27.13
					1	33	27.05	27.01	27.10
					1	63	26.88	26.70	26.76
					32	0	26.49	26.30	26.39
					32	17	26.91	26.92	26.74
					32	33	26.34	26.38	26.52
					64	0	26.43	26.19	26.41
				QPSK	1	1	26.87	26.97	27.09
					1	33	26.94	26.75	26.74
					1	63	26.82	26.86	26.90
					32	0	25.95	26.12	26.09
					32	17	26.97	27.10	26.94
					32	33	25.84	25.91	26.02
					64	0	25.94	25.86	25.73
				16QAM	1	1	25.99	26.13	25.80
				64QAM	1	1	24.58	24.64	24.64
				256QAM	1	1	22.55	22.58	22.25
		CP-OFDM		QPSK	1	1	25.47	25.27	25.44

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	27.03	26.92	27.09
					1	39	27.06	27.01	27.10
					1	76	26.87	26.65	26.73
					36	0	26.50	26.31	26.43
					36	21	26.97	26.99	26.82
					36	42	26.42	26.47	26.50
					75	0	26.48	26.23	26.44
				QPSK	1	1	26.97	26.94	27.06
					1	39	26.96	26.76	26.76
					1	76	26.86	26.87	26.93
					36	0	25.99	26.07	26.11
					36	21	26.98	27.07	26.96
					36	42	25.92	25.93	26.06
					75	0	25.96	25.95	25.74
				16QAM	1	1	25.98	26.16	25.90
				64QAM	1	1	24.68	24.67	24.63
				256QAM	1	1	22.51	22.60	22.28
		CP-OFDM		QPSK	1	1	25.48	25.27	25.41
	40	DFT-s OFDM		PI/2 BPSK	1	1	27.06	26.90	27.21
					1	53	27.08	27.24	27.21
					1	104	26.86	26.78	26.97
					50	0	26.56	26.71	26.74
					50	28	27.05	27.09	27.04
					50	56	26.48	26.56	26.45
					100	0	26.52	26.59	26.65
				QPSK	1	1	27.03	26.92	27.15
					1	53	27.04	27.17	27.19
					1	104	26.82	26.81	27.01
					50	0	26.07	26.06	25.98
					50	28	27.05	26.82	27.16
					50	56	25.97	25.94	25.97
					100	0	26.01	26.11	26.21
				16QAM	1	1	26.17	26.08	26.17
				64QAM	1	1	24.55	24.37	24.50
				256QAM	1	1	22.59	22.60	22.52
		CP-OFDM		QPSK	1	1	25.56	25.55	25.33

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	26.96	27.03	26.96
					1	67	26.89	26.74	27.09
					1	131	26.60	26.38	26.64
					64	0	26.49	26.41	26.43
					64	35	26.88	27.08	26.86
					64	69	26.26	26.11	26.02
					128	0	26.41	26.55	26.43
				QPSK	1	1	26.95	26.71	27.11
					1	67	26.90	26.99	26.89
					1	131	26.58	26.70	26.67
					64	0	25.97	26.02	25.87
					64	35	26.90	26.81	26.90
					64	69	25.75	25.74	25.86
					128	0	25.88	26.00	25.64
				16QAM	1	1	25.96	26.03	26.14
				64QAM	1	1	24.40	24.49	24.57
				256QAM	1	1	22.48	22.37	22.49
		CP-OFDM		QPSK	1	1	25.45	25.61	25.22
	60	DFT-s OFDM		PI/2 BPSK	1	1	26.74	26.55	26.76
					1	81	26.88	26.98	26.88
					1	160	27.00	27.18	27.14
					81	0	26.45	26.59	26.36
					81	41	26.86	27.05	26.82
					81	81	26.31	26.36	26.19
					162	0	26.40	26.25	26.40
				QPSK	1	1	26.95	27.03	26.79
					1	81	26.70	26.58	26.84
					1	160	26.93	26.83	27.35
					81	0	25.78	25.61	25.86
					81	41	26.64	26.50	26.84
					81	81	25.89	25.98	25.76
					162	0	25.91	26.00	25.68
				16QAM	1	1	26.08	26.08	26.21
				64QAM	1	1	24.42	24.39	24.11
				256QAM	1	1	22.36	22.13	22.41
		CP-OFDM		QPSK	1	1	25.55	25.38	25.32

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	26.66	26.49	26.51
					1	95	26.64	26.47	26.55
					1	187	26.97	27.05	26.77
					90	0	26.18	26.02	25.98
					90	50	26.90	26.72	26.69
					90	99	26.34	26.46	26.40
					180	0	26.38	26.21	26.46
				QPSK	1	1	26.72	26.63	26.48
					1	95	26.88	26.85	26.86
					1	187	26.93	26.70	26.68
					90	0	25.63	25.82	25.73
					90	50	26.71	26.52	26.83
					90	99	25.94	25.84	25.85
					180	0	25.59	25.77	25.48
				16QAM	1	1	25.74	25.60	25.92
				64QAM	1	1	24.29	24.34	24.09
				256QAM	1	1	22.20	22.19	22.20
		CP-OFDM		QPSK	1	1	25.18	25.03	25.38
	80	DFT-s OFDM		PI/2 BPSK	1	1	26.82	27.01	26.60
					1	109	26.62	26.60	26.80
					1	215	26.95	26.85	26.76
					108	0	26.46	26.35	26.47
					108	55	26.63	26.63	26.45
					108	109	26.42	26.54	26.25
					216	0	26.14	26.32	26.15
				QPSK	1	1	26.74	26.90	26.81
					1	109	26.55	26.68	26.62
					1	215	27.04	27.19	27.14
					108	0	25.82	25.91	25.84
					108	55	26.56	26.67	26.56
					108	109	25.92	25.70	25.93
					216	0	25.68	25.67	25.49
				16QAM	1	1	25.91	26.08	25.97
				64QAM	1	1	24.50	24.67	24.46
				256QAM	1	1	22.38	22.33	22.30
		CP-OFDM		QPSK	1	1	25.07	25.12	25.04

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	26.76	26.62	26.53
					1	123	26.68	26.45	26.74
					1	243	27.03	26.88	26.89
					120	0	26.59	26.72	26.38
					120	63	26.68	26.49	26.79
					120	125	26.30	26.49	26.34
					243	0	26.08	25.93	26.13
				QPSK	1	1	26.81	26.86	26.96
					1	123	26.58	26.70	26.75
					1	243	27.18	26.98	27.25
					120	0	26.13	26.17	26.06
					120	63	26.92	26.99	27.01
					120	125	26.10	26.04	26.05
					243	0	25.73	25.79	25.75
				16QAM	1	1	26.00	25.85	26.08
				64QAM	1	1	24.45	24.27	24.54
				256QAM	1	1	22.45	22.49	22.54
		CP-OFDM		QPSK	1	1	25.42	25.48	25.37
	100	DFT-s OFDM		PI/2 BPSK	1	1	26.66	26.51	26.41
					1	137	26.61	26.40	26.42
					1	271	26.93	26.77	26.93
					135	0	26.55	26.32	26.44
					135	69	26.58	26.34	26.38
					135	138	26.25	26.06	26.13
					270	0	26.05	26.21	25.94
				QPSK	1	1	26.77	26.92	26.79
					1	137	26.45	26.36	26.28
					1	271	27.11	27.21	27.20
					135	0	26.10	26.15	25.87
					135	69	26.88	26.66	26.97
					135	138	26.05	26.20	25.97
					270	0	25.71	25.49	25.73
				16QAM	1	1	25.88	26.08	25.64
				64QAM	1	1	24.44	24.48	24.46
				256QAM	1	1	22.41	22.39	22.23
		CP-OFDM		QPSK	1	1	25.40	25.39	25.44

NR Band n77 Lower (SRS1 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	13.87	13.82	13.82
					1	12	13.68	13.65	13.63
					1	22	13.73	13.69	13.66
					12	0	12.72	12.72	12.72
					12	6	13.74	13.66	13.69
					12	12	12.72	12.65	12.68
					24	0	12.68	12.70	12.65
				QPSK	1	1	13.88	13.87	13.84
					1	12	13.72	13.71	13.67
					1	22	13.74	13.73	13.70
					12	0	12.73	12.77	12.73
					12	6	13.77	13.76	13.70
					12	12	12.75	12.75	12.71
					24	0	12.71	12.74	12.66
				16QAM	1	1	12.84	12.85	12.77
				64QAM	1	1	10.84	10.83	10.75
				256QAM	1	1	8.82	8.85	8.78
		CP-OFDM		QPSK	1	1	11.87	11.86	11.80
	15	DFT-s OFDM		PI/2 BPSK	1	1	13.86	13.84	13.84
					1	19	13.70	13.64	13.61
					1	36	13.63	13.56	13.58
					18	0	12.79	12.74	12.74
					18	10	13.72	13.69	13.62
					18	20	12.58	12.56	12.60
					36	0	12.65	12.67	12.69
				QPSK	1	1	13.89	13.88	13.85
					1	19	13.70	13.72	13.65
					1	36	13.66	13.65	13.58
					18	0	12.80	12.80	12.75
					18	10	13.72	13.71	13.66
					18	20	12.62	12.66	12.61
					36	0	12.69	12.72	12.69
				16QAM	1	1	12.89	12.89	12.81
				64QAM	1	1	10.80	10.81	10.74
				256QAM	1	1	8.79	8.79	8.73
		CP-OFDM		QPSK	1	1	11.78	11.80	11.77

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	14.00	13.92	13.96
					1	26	13.74	13.71	13.74
					1	49	13.62	13.61	13.63
					25	0	12.89	12.77	12.80
					25	13	13.73	13.66	13.77
					25	26	12.72	12.58	12.60
					50	0	12.75	12.70	12.70
				QPSK	1	1	14.03	13.96	13.99
					1	26	13.78	13.75	13.77
					1	49	13.66	13.64	13.66
					25	0	12.91	12.85	12.83
					25	13	13.77	13.74	13.77
					25	26	12.72	12.66	12.64
					50	0	12.75	12.73	12.74
				16QAM	1	1	12.89	12.86	12.85
				64QAM	1	1	10.95	10.89	10.87
				256QAM	1	1	8.91	8.86	8.87
		CP-OFDM		QPSK	1	1	11.92	11.88	11.87
	25	DFT-s OFDM		PI/2 BPSK	1	1	13.98	13.89	13.97
					1	33	13.65	13.59	13.60
					1	63	13.59	13.49	13.52
					32	0	12.96	12.73	12.85
					32	17	13.79	13.67	13.72
					32	33	12.58	12.50	12.55
					64	0	12.68	12.69	12.68
				QPSK	1	1	13.98	13.92	14.01
					1	33	13.69	13.62	13.77
					1	63	13.63	13.58	13.54
					32	0	12.94	12.83	12.80
					32	17	13.72	13.73	13.79
					32	33	12.69	12.55	12.53
					64	0	12.75	12.66	12.66
				16QAM	1	1	12.86	12.94	12.99
				64QAM	1	1	10.92	10.78	10.77
				256QAM	1	1	8.80	8.83	8.79
		CP-OFDM		QPSK	1	1	11.85	11.82	11.90

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	14.04	13.89	13.99
					1	39	13.69	13.67	13.70
					1	76	13.57	13.51	13.59
					36	0	12.94	12.83	12.86
					36	21	13.78	13.65	13.77
					36	42	12.63	12.55	12.59
					75	0	12.74	12.69	12.73
				QPSK	1	1	14.05	13.98	14.02
					1	39	13.73	13.70	13.74
					1	76	13.61	13.59	13.63
					36	0	12.95	12.88	12.87
					36	21	13.82	13.75	13.77
					36	42	12.66	12.63	12.63
					75	0	12.77	12.71	12.73
				16QAM	1	1	12.95	12.92	12.96
				64QAM	1	1	10.89	10.83	10.87
				256QAM	1	1	8.87	8.85	8.85
		CP-OFDM		QPSK	1	1	11.91	11.86	11.88
	40	DFT-s OFDM		PI/2 BPSK	1	1	14.04	13.95	14.02
					1	53	13.73	13.70	13.68
					1	104	13.60	13.50	13.55
					50	0	12.92	12.80	12.85
					50	28	13.77	13.68	13.73
					50	56	12.64	12.51	12.53
					100	0	12.71	12.70	12.71
				QPSK	1	1	14.07	13.99	14.05
					1	53	13.76	13.72	13.72
					1	104	13.62	13.56	13.56
					50	0	12.95	12.89	12.89
					50	28	13.79	13.73	13.74
					50	56	12.64	12.57	12.56
					100	0	12.75	12.72	12.71
				16QAM	1	1	12.96	12.93	12.95
				64QAM	1	1	10.89	10.84	10.84
				256QAM	1	1	8.84	8.81	8.80
		CP-OFDM		QPSK	1	1	11.89	11.84	11.86

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	13.98	13.93	13.89
					1	67	13.71	13.69	13.60
					1	131	13.58	13.50	13.46
					64	0	12.91	12.86	12.88
					64	35	13.73	13.69	13.65
					64	69	12.54	12.48	12.48
					128	0	12.66	12.64	12.61
				QPSK	1	1	13.98	13.95	13.91
					1	67	13.73	13.72	13.64
					1	131	13.58	13.55	13.50
					64	0	12.95	12.93	12.89
					64	35	13.77	13.75	13.66
					64	69	12.58	12.55	12.50
					128	0	12.68	12.70	12.61
				16QAM	1	1	12.92	12.91	12.82
				64QAM	1	1	10.87	10.87	10.78
				256QAM	1	1	8.81	8.81	8.76
		CP-OFDM		QPSK	1	1	11.86	11.85	11.78
	60	DFT-s OFDM		PI/2 BPSK	1	1	13.83	13.85	13.80
					1	81	13.65	13.67	13.58
					1	160	13.48	13.42	13.35
					81	0	12.86	12.85	12.75
					81	41	13.68	13.72	13.56
					81	81	12.51	12.47	12.40
					162	0	12.61	12.64	12.54
				QPSK	1	1	13.87	13.90	13.80
					1	81	13.66	13.72	13.62
					1	160	13.49	13.52	13.39
					81	0	12.88	12.93	12.79
					81	41	13.71	13.74	13.60
					81	81	12.51	12.55	12.44
					162	0	12.62	12.66	12.56
				16QAM	1	1	12.81	12.87	12.76
				64QAM	1	1	10.74	10.81	10.69
				256QAM	1	1	8.77	8.80	8.70
		CP-OFDM		QPSK	1	1	11.76	11.84	11.70

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	13.87	13.78	13.79
					1	95	13.72	13.70	13.66
					1	187	13.49	13.47	13.43
					90	0	12.96	12.91	12.86
					90	50	13.71	13.67	13.64
					90	99	12.50	12.47	12.41
					180	0	12.66	12.69	12.62
				QPSK	1	1	13.87	13.84	13.80
					1	95	13.76	13.74	13.66
					1	187	13.49	13.51	13.47
					90	0	12.96	12.94	12.90
					90	50	13.72	13.73	13.66
					90	99	12.54	12.52	12.45
					180	0	12.70	12.72	12.66
				16QAM	1	1	12.93	12.93	12.87
				64QAM	1	1	10.88	10.85	10.76
				256QAM	1	1	8.89	8.88	8.84
		CP-OFDM		QPSK	1	1	11.88	11.85	11.76
	80	DFT-s OFDM		PI/2 BPSK	1	1	13.86	13.74	13.79
					1	109	13.74	13.64	13.69
					1	215	13.51	13.42	13.39
					108	0	12.93	12.92	12.90
					108	55	13.69	13.65	13.63
					108	109	12.56	12.43	12.44
					216	0	12.66	12.65	12.62
				QPSK	1	1	13.87	13.80	13.80
					1	109	13.77	13.71	13.71
					1	215	13.53	13.47	13.42
					108	0	12.96	12.94	12.92
					108	55	13.73	13.69	13.66
					108	109	12.57	12.52	12.48
					216	0	12.70	12.67	12.64
				16QAM	1	1	12.94	12.89	12.85
				64QAM	1	1	10.95	10.88	10.86
				256QAM	1	1	8.92	8.88	8.88
		CP-OFDM		QPSK	1	1	11.94	11.89	11.89

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	13.87	13.76	13.78
					1	123	13.61	13.64	13.55
					1	243	13.33	13.36	13.30
					120	0	12.82	12.80	12.79
					120	63	13.58	13.58	13.57
					120	125	12.45	12.42	12.42
					243	0	12.61	12.57	12.54
				QPSK	1	1	13.87	13.86	13.80
					1	123	13.62	13.66	13.57
					1	243	13.37	13.40	13.30
					120	0	12.83	12.86	12.79
					120	63	13.62	13.66	13.57
					120	125	12.46	12.50	12.44
					243	0	12.63	12.62	12.54
				16QAM	1	1	12.85	12.86	12.80
				64QAM	1	1	10.77	10.81	10.73
				256QAM	1	1	8.83	8.86	8.77
		CP-OFDM		QPSK	1	1	11.82	11.84	11.74
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	13.86	-
					1	137	-	13.75	-
					1	271	-	13.44	-
					135	0	-	12.95	-
					135	69	-	13.76	-
					135	138	-	12.58	-
					270	0	-	12.80	-
				QPSK	1	1	-	13.95	-
					1	137	-	13.78	-
					1	271	-	13.42	-
					135	0	-	12.94	-
					135	69	-	13.76	-
					135	138	-	12.55	-
					270	0	-	12.69	-
				16QAM	1	1	-	12.94	-
				64QAM	1	1	-	10.90	-
				256QAM	1	1	-	8.89	-
		CP-OFDM		QPSK	1	1	-	11.90	-

NR Band n77 Lower (SRS2 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	13.38	13.60	13.39
					1	12	13.32	13.55	13.32
					1	22	13.25	13.51	13.26
					12	0	12.28	12.49	12.29
					12	6	13.21	13.54	13.31
					12	12	12.20	12.47	12.25
					24	0	12.26	12.52	12.30
				QPSK	1	1	13.38	13.66	13.40
					1	12	13.35	13.64	13.34
					1	22	13.25	13.55	13.28
					12	0	12.28	12.58	12.29
					12	6	13.25	13.58	13.31
					12	12	12.22	12.55	12.25
					24	0	12.29	12.57	12.30
				16QAM	1	1	12.40	12.71	12.41
				64QAM	1	1	11.36	11.65	11.39
				256QAM	1	1	9.34	9.62	9.31
		CP-OFDM		QPSK	1	1	12.32	12.64	12.37
	15	DFT-s OFDM		PI/2 BPSK	1	1	13.38	13.56	13.40
					1	19	13.26	13.51	13.25
					1	36	13.17	13.46	13.23
					18	0	12.27	12.55	12.30
					18	10	13.22	13.51	13.24
					18	20	12.24	12.51	12.26
					36	0	12.25	12.48	12.30
				QPSK	1	1	13.38	13.65	13.40
					1	19	13.28	13.56	13.29
					1	36	13.17	13.49	13.23
					18	0	12.31	12.62	12.32
					18	10	13.23	13.53	13.28
					18	20	12.24	12.54	12.28
					36	0	12.27	12.57	12.30
				16QAM	1	1	12.42	12.72	12.44
				64QAM	1	1	11.35	11.63	11.33
				256QAM	1	1	9.33	9.63	9.38
		CP-OFDM		QPSK	1	1	12.29	12.59	12.30

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.62	12.67	12.77
					1	26	13.42	13.53	13.54
					1	49	13.37	13.43	13.50
					25	0	12.43	12.55	12.58
					25	13	13.42	13.49	13.57
					25	26	12.38	12.48	12.52
					50	0	12.40	12.49	12.58
				QPSK	1	1	12.66	12.73	12.77
					1	26	13.46	13.55	13.56
					1	49	13.41	13.51	13.51
					25	0	12.47	12.58	12.60
					25	13	13.46	13.58	13.61
					25	26	12.41	12.53	12.56
					50	0	12.43	12.55	12.59
				16QAM	1	1	12.57	12.68	12.67
				64QAM	1	1	11.49	11.58	11.60
				256QAM	1	1	9.47	9.56	9.57
		CP-OFDM		QPSK	1	1	12.52	12.59	12.62
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.63	12.72	12.77
					1	33	13.37	13.45	13.43
					1	63	13.29	13.31	13.45
					32	0	12.57	12.60	13.57
					32	17	13.37	13.48	13.52
					32	33	12.38	12.40	12.42
					64	0	12.40	12.46	12.43
				QPSK	1	1	12.65	12.76	12.77
					1	33	13.29	13.45	13.47
					1	63	13.35	13.37	13.37
					32	0	11.60	11.63	11.71
					32	17	13.31	13.54	13.70
					32	33	12.30	12.42	12.54
					64	0	12.50	12.56	12.53
				16QAM	1	1	12.67	12.78	12.71
				64QAM	1	1	11.31	11.52	11.44
				256QAM	1	1	9.41	9.59	9.58
		CP-OFDM		QPSK	1	1	12.38	12.57	12.52

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.66	12.69	12.74
					1	39	13.36	13.46	13.45
					1	76	13.35	13.39	13.42
					36	0	12.59	12.61	13.56
					36	21	13.40	13.45	13.55
					36	42	12.38	12.44	12.51
					75	0	12.44	12.50	12.51
				QPSK	1	1	12.66	12.76	12.77
					1	39	13.38	13.52	13.49
					1	76	13.35	13.47	13.45
					36	0	11.61	11.71	11.72
					36	21	13.40	13.55	13.71
					36	42	12.38	12.50	12.51
					75	0	12.47	12.57	12.55
				16QAM	1	1	12.64	12.76	12.75
				64QAM	1	1	11.41	11.56	11.54
				256QAM	1	1	9.49	9.61	9.59
		CP-OFDM		QPSK	1	1	12.45	12.60	12.60
	40	DFT-s OFDM		PI/2 BPSK	1	1	13.47	13.53	13.59
					1	53	13.49	13.61	13.67
					1	104	13.27	13.45	13.43
					50	0	12.55	12.62	12.67
					50	28	13.47	13.58	13.56
					50	56	12.29	12.48	12.51
					100	0	12.48	12.56	12.64
				QPSK	1	1	13.49	13.63	13.63
					1	53	13.53	13.71	13.68
					1	104	13.31	13.48	13.45
					50	0	11.55	11.69	11.68
					50	28	13.48	13.64	13.59
					50	56	12.33	12.52	12.52
					100	0	12.51	12.65	12.64
				16QAM	1	1	12.53	12.71	12.66
				64QAM	1	1	11.40	11.57	11.55
				256QAM	1	1	9.42	9.61	9.57
		CP-OFDM		QPSK	1	1	12.47	12.61	12.58

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	13.47	13.53	13.62
					1	67	13.40	13.53	13.57
					1	131	13.29	13.38	13.45
					64	0	12.46	12.58	12.62
					64	35	13.33	13.53	13.54
					64	69	12.30	12.43	12.41
					128	0	12.41	12.48	12.54
				QPSK	1	1	13.49	13.63	13.63
					1	67	13.40	13.57	13.57
					1	131	13.32	13.47	13.45
					64	0	13.49	11.68	11.63
					64	35	13.36	13.55	13.55
					64	69	12.32	12.48	12.44
					128	0	12.41	12.58	12.56
				16QAM	1	1	12.53	12.67	12.62
				64QAM	1	1	11.45	11.64	11.63
				256QAM	1	1	9.47	9.63	9.60
		CP-OFDM		QPSK	1	1	12.45	12.61	12.56
	60	DFT-s OFDM		PI/2 BPSK	1	1	13.44	13.52	13.53
					1	81	13.33	13.50	13.47
					1	160	13.31	13.47	13.45
					81	0	12.52	12.63	12.62
					81	41	13.31	13.48	13.45
					81	81	12.28	12.40	12.43
					162	0	12.32	12.41	12.43
				QPSK	1	1	13.44	13.58	13.56
					1	81	13.35	13.54	13.50
					1	160	13.33	13.49	13.46
					81	0	11.53	11.70	11.65
					81	41	13.34	13.53	13.49
					81	81	12.30	12.45	12.43
					162	0	12.32	12.49	12.46
				16QAM	1	1	12.49	12.68	12.64
				64QAM	1	1	11.41	11.56	11.51
				256QAM	1	1	9.48	9.64	9.59
		CP-OFDM		QPSK	1	1	12.47	12.64	12.57

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	13.39	13.39	13.42
					1	95	13.48	13.48	13.54
					1	187	13.37	13.42	13.41
					90	0	12.65	12.64	12.67
					90	50	13.49	13.53	13.52
					90	99	12.37	12.42	12.40
					180	0	12.49	12.51	12.46
				QPSK	1	1	13.43	13.48	13.46
					1	95	13.49	13.58	13.55
					1	187	13.37	13.47	13.41
					90	0	11.67	11.72	11.68
					90	50	13.49	13.57	13.52
					90	99	12.41	12.47	12.40
					180	0	12.50	12.55	12.48
				16QAM	1	1	12.62	12.71	12.66
				64QAM	1	1	11.52	11.59	11.55
				256QAM	1	1	9.57	9.63	9.59
		CP-OFDM		QPSK	1	1	12.52	12.62	12.57
	80	DFT-s OFDM		PI/2 BPSK	1	1	13.34	13.34	13.36
					1	109	13.48	13.55	13.47
					1	215	13.43	13.42	13.38
					108	0	12.57	12.62	12.65
					108	55	13.41	13.49	13.44
					108	109	12.41	12.43	12.36
					216	0	12.37	12.39	12.42
				QPSK	1	1	13.38	13.44	13.40
					1	109	13.51	13.58	13.50
					1	215	13.43	13.49	13.41
					108	0	11.61	11.71	11.67
					108	55	13.44	13.53	13.44
					108	109	12.41	12.47	12.39
					216	0	12.39	12.49	12.42
				16QAM	1	1	12.64	12.75	12.68
				64QAM	1	1	11.56	11.63	11.57
				256QAM	1	1	9.55	9.61	9.57
		CP-OFDM		QPSK	1	1	12.54	12.64	12.55

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	13.36	13.39	13.38
					1	123	13.46	13.52	13.50
					1	243	13.27	13.31	13.33
					120	0	12.54	12.60	12.61
					120	63	13.43	13.43	13.46
					120	125	12.35	12.45	12.36
					243	0	12.39	12.45	12.40
				QPSK	1	1	13.38	13.44	13.40
					1	123	13.47	13.57	13.52
					1	243	13.30	13.38	13.33
					120	0	12.55	12.66	12.62
					120	63	13.44	13.52	13.48
					120	125	12.38	12.47	12.40
					243	0	12.40	12.51	12.44
				16QAM	1	1	12.68	12.74	12.68
				64QAM	1	1	11.56	11.65	11.61
				256QAM	1	1	9.49	9.56	9.51
		CP-OFDM		QPSK	1	1	12.55	12.64	12.55
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	13.75	-
					1	137	-	13.88	-
					1	271	-	13.77	-
					135	0	-	12.92	-
					135	69	-	13.85	-
					135	138	-	12.79	-
					270	0	-	12.82	-
				QPSK	1	1	-	13.74	-
					1	137	-	13.90	-
					1	271	-	13.76	-
					135	0	-	12.93	-
					135	69	-	13.86	-
					135	138	-	12.80	-
					270	0	-	12.83	-
				16QAM	1	1	-	12.77	-
				64QAM	1	1	-	11.66	-
				256QAM	1	1	-	9.65	-
		CP-OFDM		QPSK	1	1	-	12.66	-

NR Band n77 Lower (SRS3 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	17.81	17.73	17.62
					1	12	18.21	18.17	18.06
					1	22	18.28	18.17	18.05
					12	0	17.07	17.02	16.93
					12	6	18.03	17.99	17.91
					12	12	17.41	17.34	17.21
					24	0	17.27	17.15	17.08
				QPSK	1	1	17.82	17.76	17.64
					1	12	18.24	18.23	18.09
					1	22	18.29	18.26	18.09
					12	0	17.11	17.07	16.95
					12	6	18.07	18.05	17.93
					12	12	17.43	17.39	17.22
					24	0	17.31	17.25	17.11
				16QAM	1	1	15.87	15.85	15.70
				64QAM	1	1	15.54	15.48	15.31
				256QAM	1	1	13.59	13.57	13.42
		CP-OFDM		QPSK	1	1	16.75	16.71	16.55
	15	DFT-s OFDM		PI/2 BPSK	1	1	17.78	17.74	17.64
					1	19	18.28	18.19	18.06
					1	36	18.20	18.17	18.01
					18	0	17.11	17.09	16.88
					18	10	18.00	17.95	17.83
					18	20	17.37	17.28	17.23
					36	0	17.21	17.18	17.02
				QPSK	1	1	17.82	17.79	17.64
					1	19	18.28	18.25	18.10
					1	36	18.23	18.23	18.04
					18	0	17.13	17.12	16.92
					18	10	18.04	18.05	17.87
					18	20	17.41	17.38	17.23
					36	0	17.25	17.25	17.05
				16QAM	1	1	15.83	15.84	15.69
				64QAM	1	1	15.45	15.46	15.26
				256QAM	1	1	13.59	13.56	13.41
		CP-OFDM		QPSK	1	1	16.71	16.72	16.56

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	17.88	17.78	17.72
					1	26	18.27	18.22	18.09
					1	49	18.18	18.19	18.06
					25	0	17.16	17.13	16.98
					25	13	18.08	17.96	17.90
					25	26	17.40	17.29	17.19
					50	0	17.23	17.16	17.06
				QPSK	1	1	17.91	17.86	17.73
					1	26	17.32	18.28	18.10
					1	49	18.21	18.21	18.08
					25	0	17.18	17.15	16.98
					25	13	18.09	18.05	17.91
					25	26	17.40	17.39	17.21
					50	0	17.27	17.24	17.07
				16QAM	1	1	16.90	15.89	16.76
				64QAM	1	1	15.46	15.42	15.28
				256QAM	1	1	13.55	13.51	13.38
		CP-OFDM		QPSK	1	1	16.74	16.74	16.61
	25	DFT-s OFDM		PI/2 BPSK	1	1	17.90	17.72	17.68
					1	33	18.16	18.12	18.04
					1	63	18.10	18.12	17.98
					32	0	17.15	16.07	17.06
					32	17	17.95	17.92	17.76
					32	33	17.43	17.35	17.12
					64	0	17.23	17.17	17.12
				QPSK	1	1	17.86	17.88	17.71
					1	33	18.24	18.26	18.04
					1	63	18.16	18.16	17.93
					32	0	17.21	16.13	17.05
					32	17	18.02	17.97	17.87
					32	33	17.35	17.31	17.21
					64	0	17.28	17.30	17.05
				16QAM	1	1	16.93	15.81	16.72
				64QAM	1	1	15.39	15.49	15.22
				256QAM	1	1	13.47	13.48	13.25
		CP-OFDM		QPSK	1	1	16.75	16.74	16.61

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	17.91	17.78	17.73
					1	39	18.26	18.15	18.05
					1	76	18.16	18.12	17.96
					36	0	17.22	16.14	17.07
					36	21	18.05	17.97	17.84
					36	42	17.41	17.32	17.21
					75	0	17.29	17.17	17.09
				QPSK	1	1	17.91	17.86	17.73
					1	39	18.28	18.23	18.06
					1	76	18.17	18.15	18.00
					36	0	17.26	16.23	17.08
					36	21	18.06	18.05	17.87
					36	42	17.42	17.37	17.24
					75	0	17.31	17.27	17.11
				16QAM	1	1	16.92	15.87	16.73
				64QAM	1	1	15.49	15.46	15.28
				256QAM	1	1	13.52	13.49	13.31
		CP-OFDM		QPSK	1	1	16.80	16.75	16.60
	40	DFT-s OFDM		PI/2 BPSK	1	1	17.90	17.81	17.70
					1	53	18.27	18.13	18.09
					1	104	18.12	18.05	17.97
					50	0	17.28	16.17	17.08
					50	28	18.11	18.00	17.90
					50	56	17.38	17.32	17.18
					100	0	17.29	17.21	17.11
				QPSK	1	1	17.90	17.83	17.71
					1	53	18.27	18.22	18.09
					1	104	18.16	18.13	18.00
					50	0	17.29	16.23	17.11
					50	28	18.12	18.06	17.91
					50	56	17.40	17.37	17.22
					100	0	17.29	17.24	17.11
				16QAM	1	1	16.86	15.80	16.67
				64QAM	1	1	15.55	15.48	15.35
				256QAM	1	1	13.63	13.57	13.43
		CP-OFDM		QPSK	1	1	16.82	16.77	16.63

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	17.90	17.77	17.72
					1	67	18.28	18.25	18.10
					1	131	18.18	18.10	17.98
					64	0	17.23	16.18	17.07
					64	35	18.05	18.00	17.83
					64	69	17.37	17.27	17.14
					128	0	17.24	17.17	17.03
				QPSK	1	1	17.91	17.84	17.72
					1	67	17.34	18.29	18.14
					1	131	18.21	18.17	18.00
					64	0	17.27	16.20	17.07
					64	35	18.08	18.03	17.87
					64	69	17.38	17.33	17.16
					128	0	17.28	17.22	17.07
				16QAM	1	1	16.92	15.89	16.76
				64QAM	1	1	15.54	15.49	15.32
				256QAM	1	1	13.53	13.50	13.36
		CP-OFDM		QPSK	1	1	16.79	16.73	16.61
	60	DFT-s OFDM		PI/2 BPSK	1	1	17.78	17.69	17.60
					1	81	18.27	18.23	18.08
					1	160	18.14	18.08	17.93
					81	0	16.30	16.18	16.10
					81	41	18.07	17.97	17.85
					81	81	17.34	17.21	17.11
					162	0	17.19	17.07	16.99
				QPSK	1	1	17.81	17.74	17.62
					1	81	18.30	18.25	18.09
					1	160	18.15	18.12	17.95
					81	0	16.30	16.27	16.14
					81	41	18.11	18.05	17.88
					81	81	17.34	17.30	17.13
					162	0	17.21	17.17	17.02
				16QAM	1	1	15.94	15.89	15.74
				64QAM	1	1	15.51	15.48	15.34
				256QAM	1	1	13.60	13.57	13.41
		CP-OFDM		QPSK	1	1	16.80	16.76	16.62

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	17.65	17.60	17.51
					1	95	18.25	18.17	18.10
					1	187	18.15	18.12	18.00
					90	0	16.26	16.22	16.12
					90	50	18.06	17.99	17.96
					90	99	17.29	17.26	17.19
					180	0	17.26	17.15	17.12
				QPSK	1	1	17.68	17.62	17.53
					1	95	18.29	18.23	18.11
					1	187	18.17	18.14	18.01
					90	0	16.29	16.25	16.12
					90	50	18.09	18.07	17.98
					90	99	17.33	17.31	17.19
					180	0	17.27	17.24	17.15
				16QAM	1	1	15.84	15.81	15.71
				64QAM	1	1	15.44	15.43	15.32
				256QAM	1	1	13.57	13.53	13.41
		CP-OFDM		QPSK	1	1	16.80	16.76	16.66
	80	DFT-s OFDM		PI/2 BPSK	1	1	17.60	18.24	18.45
					1	109	18.20	18.19	18.09
					1	215	18.00	17.97	17.85
					108	0	16.22	16.12	16.09
					108	55	18.05	18.00	17.92
					108	109	17.34	17.30	17.23
					216	0	17.19	17.11	17.07
				QPSK	1	1	17.62	17.57	18.47
					1	109	18.24	18.48	18.10
					1	215	18.03	18.01	17.89
					108	0	16.22	16.22	16.10
					108	55	18.09	18.04	17.94
					108	109	17.37	17.36	17.24
					216	0	17.22	17.20	17.08
				16QAM	1	1	15.89	15.85	15.72
				64QAM	1	1	15.54	15.50	15.40
				256QAM	1	1	13.55	13.54	13.41
		CP-OFDM		QPSK	1	1	16.78	16.76	16.62

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	17.59	18.47	18.46
					1	123	18.24	18.21	18.09
					1	243	18.03	17.95	17.89
					120	0	16.20	16.15	16.10
					120	63	18.02	18.01	17.85
					120	125	17.36	17.34	17.21
					243	0	17.24	17.14	17.07
				QPSK	1	1	17.62	17.57	18.47
					1	123	18.26	18.24	18.13
					1	243	18.04	18.01	17.90
					120	0	16.24	16.22	16.12
					120	63	18.06	18.04	17.89
					120	125	17.39	17.36	17.24
					243	0	17.24	17.20	17.09
				16QAM	1	1	15.91	15.89	15.74
				64QAM	1	1	15.49	15.46	15.33
				256QAM	1	1	13.52	13.52	13.37
		CP-OFDM		QPSK	1	1	16.74	16.71	16.61
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	17.54	-
					1	137	-	18.26	-
					1	271	-	18.10	-
					135	0	-	16.98	-
					135	69	-	18.00	-
					135	138	-	17.32	-
					270	0	-	17.14	-
				QPSK	1	1	-	17.53	-
					1	137	-	18.28	-
					1	271	-	18.08	-
					135	0	-	17.00	-
					135	69	-	17.99	-
					135	138	-	17.34	-
					270	0	-	17.13	-
				16QAM	1	1	-	15.90	-
				64QAM	1	1	-	15.51	-
				256QAM	1	1	-	13.58	-
		CP-OFDM		QPSK	1	1	-	16.78	-

NR Band n77 Upper (SRS1 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	13.94	14.25	13.93
					1	12	13.98	14.23	14.23
					1	22	13.59	14.30	13.44
					12	0	12.72	13.26	12.82
					12	6	13.79	14.28	14.00
					12	12	13.45	12.36	13.56
					24	0	13.65	12.31	13.90
				QPSK	1	1	13.97	14.29	13.95
					1	12	14.04	14.27	14.25
					1	22	13.64	14.36	13.48
					12	0	12.75	13.30	12.84
					12	6	13.85	14.34	14.04
					12	12	13.46	12.38	12.58
					24	0	12.67	12.34	12.94
				16QAM	1	1	12.42	12.00	12.57
				64QAM	1	1	11.31	10.90	11.49
				256QAM	1	1	9.37	8.97	9.52
		CP-OFDM		QPSK	1	1	12.32	11.95	12.42
	15	DFT-s OFDM		PI/2 BPSK	1	1	14.16	14.07	14.14
					1	19	14.23	14.02	14.45
					1	36	13.68	14.22	13.50
					18	0	12.94	13.03	12.99
					18	10	13.99	14.12	14.18
					18	20	13.63	12.16	13.80
					36	0	12.81	12.12	13.05
				QPSK	1	1	14.20	14.09	14.15
					1	19	14.26	14.08	14.47
					1	36	13.73	14.28	13.51
					18	0	12.95	13.09	13.04
					18	10	14.03	14.16	14.22
					18	20	12.68	12.17	12.81
					36	0	12.85	12.15	13.08
				16QAM	1	1	12.40	12.06	12.60
				64QAM	1	1	11.28	10.91	11.47
				256QAM	1	1	9.37	8.90	9.48
		CP-OFDM		QPSK	1	1	12.35	11.95	12.45

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	14.03	14.13	14.10
					1	26	14.01	14.16	14.24
					1	49	13.56	14.41	13.34
					25	0	12.93	13.04	13.03
					25	13	13.95	14.16	14.15
					25	26	13.53	12.31	13.66
					50	0	13.82	12.14	13.06
				QPSK	1	1	14.08	14.16	14.11
					1	26	14.07	14.22	14.30
					1	49	13.60	14.45	13.37
					25	0	12.99	13.05	13.09
					25	13	13.98	14.20	14.20
					25	26	12.55	12.33	12.67
					50	0	12.85	12.20	13.08
				16QAM	1	1	12.35	12.00	12.58
				64QAM	1	1	11.33	10.89	11.47
				256QAM	1	1	9.32	8.93	9.44
		CP-OFDM		QPSK	1	1	12.41	11.99	12.51
	25	DFT-s OFDM		PI/2 BPSK	1	1	14.14	14.03	14.07
					1	33	13.93	14.28	14.18
					1	63	13.46	13.45	14.25
					32	0	12.80	13.17	12.84
					32	17	13.78	13.32	14.00
					32	33	13.35	12.41	13.55
					64	0	13.74	12.24	13.03
				QPSK	1	1	14.22	13.99	14.05
					1	33	13.94	14.21	14.18
					1	63	13.56	13.43	14.34
					32	0	12.83	13.18	12.91
					32	17	13.82	13.32	13.98
					32	33	13.37	12.43	12.56
					64	0	12.79	12.17	12.96
				16QAM	1	1	12.29	11.93	12.55
				64QAM	1	1	11.31	10.91	11.44
				256QAM	1	1	9.30	8.88	9.42
		CP-OFDM		QPSK	1	1	12.32	11.23	12.46

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	14.15	14.05	14.11
					1	39	13.95	14.30	14.17
					1	76	13.54	13.44	14.29
					36	0	12.82	13.15	12.86
					36	21	13.79	13.31	14.00
					36	42	13.42	12.38	13.54
					75	0	13.77	12.21	13.01
				QPSK	1	1	14.19	14.09	14.14
					1	39	14.01	14.31	14.20
					1	76	13.56	13.48	14.33
					36	0	12.87	13.21	12.91
					36	21	13.85	13.35	14.06
					36	42	13.47	12.40	12.59
					75	0	12.80	12.25	13.03
				16QAM	1	1	12.39	11.97	12.56
				64QAM	1	1	11.34	10.94	11.43
				256QAM	1	1	9.29	8.93	9.47
		CP-OFDM		QPSK	1	1	12.33	11.00	12.45
	40	DFT-s OFDM		PI/2 BPSK	1	1	14.09	14.04	14.12
					1	53	13.95	14.26	14.18
					1	104	14.45	13.53	14.25
					50	0	12.85	13.15	12.88
					50	28	13.85	14.28	14.03
					50	56	13.31	12.48	13.41
					100	0	13.72	12.22	13.97
				QPSK	1	1	14.15	14.10	14.15
					1	53	13.99	14.31	14.21
					1	104	14.47	13.55	14.29
					50	0	12.87	13.20	12.94
					50	28	13.88	14.32	14.08
					50	56	13.34	12.51	13.47
					100	0	12.76	12.28	13.00
				16QAM	1	1	12.42	12.03	12.51
				64QAM	1	1	11.32	10.94	11.47
				256QAM	1	1	9.34	8.98	9.48
		CP-OFDM		QPSK	1	1	12.34	11.98	12.47

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	14.12	14.03	14.10
					1	67	14.25	14.00	14.43
					1	131	13.70	14.29	13.48
					64	0	13.11	12.92	13.17
					64	35	14.14	13.00	14.28
					64	69	13.68	13.05	12.83
					128	0	12.93	12.99	13.21
				QPSK	1	1	14.18	14.08	14.15
					1	67	14.27	14.05	14.46
					1	131	13.72	14.30	13.52
					64	0	13.13	12.95	13.20
					64	35	14.16	13.06	14.32
					64	69	12.74	13.11	12.85
					128	0	12.99	13.03	13.24
				16QAM	1	1	12.37	12.00	12.60
				64QAM	1	1	11.33	10.90	11.44
				256QAM	1	1	9.37	8.99	9.52
		CP-OFDM		QPSK	1	1	12.37	11.02	12.43
	60	DFT-s OFDM		PI/2 BPSK	1	1	14.15	14.02	14.14
					1	81	14.20	14.05	14.45
					1	160	13.86	14.13	13.63
					81	0	13.03	12.91	13.11
					81	41	14.11	14.01	14.27
					81	81	13.58	12.20	13.71
					162	0	13.90	12.04	13.16
				QPSK	1	1	14.21	14.05	14.20
					1	81	14.24	14.08	14.46
					1	160	13.87	14.15	13.69
					81	0	13.09	12.96	13.14
					81	41	14.12	14.06	14.31
					81	81	12.63	12.26	12.72
					162	0	12.96	12.05	13.22
				16QAM	1	1	12.41	11.97	12.54
				64QAM	1	1	11.28	10.93	11.49
				256QAM	1	1	9.29	8.95	9.48
		CP-OFDM		QPSK	1	1	12.34	11.99	12.47

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	14.08	14.09	14.05
					1	95	14.36	13.90	13.54
					1	187	14.38	13.59	14.14
					90	0	12.94	13.04	13.02
					90	50	14.32	13.63	14.18
					90	99	13.95	12.83	13.06
					180	0	13.13	12.81	13.33
				QPSK	1	1	14.10	14.15	14.10
					1	95	14.39	13.95	13.60
					1	187	14.40	13.88	14.47
					90	0	13.00	13.06	13.06
					90	50	14.33	13.90	14.39
					90	99	13.00	12.89	13.08
					180	0	13.16	12.87	13.37
				16QAM	1	1	12.38	12.06	12.52
				64QAM	1	1	11.26	10.91	11.49
				256QAM	1	1	9.38	8.95	9.51
		CP-OFDM		QPSK	1	1	12.37	11.92	12.42
	80	DFT-s OFDM		PI/2 BPSK	1	1	14.13	14.08	14.13
					1	109	14.33	13.96	13.52
					1	215	13.64	13.30	14.45
					108	0	13.04	12.95	13.09
					108	55	14.27	13.88	14.42
					108	109	13.01	12.79	13.11
					216	0	13.12	12.81	13.38
				QPSK	1	1	14.16	14.11	14.17
					1	109	14.35	13.97	13.55
					1	215	13.69	13.34	14.47
					108	0	13.09	13.00	13.11
					108	55	14.29	13.90	14.48
					108	109	13.06	12.82	13.14
					216	0	13.17	12.85	13.41
				16QAM	1	1	12.33	12.00	12.58
				64QAM	1	1	11.34	10.90	11.51
				256QAM	1	1	9.29	8.99	9.48
		CP-OFDM		QPSK	1	1	12.38	11.92	12.42

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	14.07	14.10	14.10
					1	123	14.33	13.92	13.55
					1	243	13.86	14.10	13.72
					120	0	13.08	12.98	13.08
					120	63	14.28	13.86	14.43
					120	125	13.14	12.62	13.24
					243	0	13.15	12.83	13.34
				QPSK	1	1	14.11	14.13	14.14
					1	123	14.38	13.96	13.59
					1	243	13.90	14.11	13.73
					120	0	13.09	13.00	13.12
					120	63	14.30	13.92	14.44
					120	125	13.17	12.68	13.28
					243	0	13.17	12.88	13.37
				16QAM	1	1	12.33	12.01	12.53
				64QAM	1	1	11.36	10.97	11.52
				256QAM	1	1	9.37	8.95	9.49
		CP-OFDM		QPSK	1	1	12.33	11.95	12.43
	100	DFT-s OFDM		PI/2 BPSK	1	1	14.21	14.07	14.21
					1	137	14.00	14.36	14.20
					1	271	14.04	14.01	13.82
					135	0	13.02	13.03	13.08
					135	69	13.93	14.30	14.12
					135	138	13.46	13.46	13.55
					270	0	13.86	13.18	13.10
				QPSK	1	1	14.20	14.09	14.49
					1	137	13.99	14.35	14.21
					1	271	14.05	14.00	13.84
					135	0	13.04	13.05	13.10
					135	69	13.95	14.28	14.13
					135	138	13.44	13.45	12.56
					270	0	12.88	13.17	13.11
				16QAM	1	1	12.43	12.06	12.60
				64QAM	1	1	11.36	10.97	11.52
				256QAM	1	1	9.38	8.99	9.53
		CP-OFDM		QPSK	1	1	12.41	11.02	12.52

NR Band n77 Upper (SRS2 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	14.23	14.37	13.71
					1	12	13.63	14.41	13.01
					1	22	13.56	13.53	14.09
					12	0	13.31	12.38	13.60
					12	6	13.53	14.42	12.94
					12	12	13.31	12.42	13.39
					24	0	13.52	12.43	12.83
				QPSK	1	1	14.26	13.51	13.76
					1	12	13.69	14.46	13.05
					1	22	13.58	13.54	14.14
					12	0	13.32	12.42	12.63
					12	6	13.58	14.45	12.98
					12	12	13.33	12.48	13.45
					24	0	12.56	12.44	12.87
				16QAM	1	1	12.47	13.07	12.67
				64QAM	1	1	10.45	10.00	10.54
				256QAM	1	1	8.37	9.09	9.63
		CP-OFDM		QPSK	1	1	11.45	11.08	11.62
	15	DFT-s OFDM		PI/2 BPSK	1	1	14.26	14.37	13.73
					1	19	13.86	14.23	13.19
					1	36	14.41	13.57	13.79
					18	0	13.22	12.41	13.53
					18	10	14.49	13.45	13.90
					18	20	13.30	12.51	13.37
					36	0	13.54	12.43	12.83
				QPSK	1	1	14.32	14.49	14.09
					1	19	13.91	14.26	13.24
					1	36	13.52	13.62	14.10
					18	0	13.26	12.43	12.58
					18	10	13.54	13.50	13.93
					18	20	13.32	12.53	13.43
					36	0	12.57	12.45	12.85
				16QAM	1	1	12.55	13.10	12.61
				64QAM	1	1	10.48	10.07	10.55
				256QAM	1	1	8.35	9.09	9.55
		CP-OFDM		QPSK	1	1	11.51	11.11	11.57

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	14.26	14.41	13.76
					1	26	13.66	13.47	13.97
					1	49	14.35	13.69	13.91
					25	0	13.21	12.41	13.57
					25	13	13.51	13.51	13.91
					25	26	13.21	12.55	13.32
					50	0	13.45	12.48	12.78
				QPSK	1	1	14.30	14.42	13.77
					1	26	13.67	13.50	14.03
					1	49	14.36	13.73	13.95
					25	0	13.26	12.44	12.58
					25	13	13.54	13.52	13.92
					25	26	13.24	12.58	13.35
					50	0	13.47	12.51	12.79
				16QAM	1	1	12.54	13.16	12.70
				64QAM	1	1	10.45	10.07	10.56
				256QAM	1	1	8.36	9.06	9.55
		CP-OFDM		QPSK	1	1	11.50	11.12	11.65
	25	DFT-s OFDM		PI/2 BPSK	1	1	14.29	14.34	13.63
					1	33	14.33	13.55	13.67
					1	63	14.19	13.81	13.68
					32	0	13.16	12.49	13.51
					32	17	14.38	13.56	13.86
					32	33	13.07	12.65	13.09
					64	0	13.34	12.43	12.65
				QPSK	1	1	14.47	14.33	13.77
					1	33	13.51	13.59	13.80
					1	63	14.18	13.81	13.74
					32	0	13.14	12.49	12.44
					32	17	14.40	13.57	13.83
					32	33	13.09	12.64	13.13
					64	0	13.38	12.55	12.64
				16QAM	1	1	12.48	13.01	12.60
				64QAM	1	1	10.43	10.01	10.50
				256QAM	1	1	8.31	9.04	9.60
		CP-OFDM		QPSK	1	1	11.39	11.09	11.59

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	14.27	14.38	13.73
					1	39	14.33	13.64	13.74
					1	76	14.18	13.83	13.75
					36	0	13.19	12.46	13.50
					36	21	14.39	13.59	13.83
					36	42	13.04	12.72	13.19
					75	0	13.38	12.52	12.70
				QPSK	1	1	14.48	14.41	13.84
					1	39	13.51	13.65	13.90
					1	76	14.22	13.89	13.79
					36	0	13.24	12.47	12.54
					36	21	14.43	13.62	13.86
					36	42	13.09	12.73	13.22
					75	0	13.40	12.58	12.74
				16QAM	1	1	12.47	13.11	12.68
				64QAM	1	1	10.50	10.00	10.57
				256QAM	1	1	8.34	9.08	9.60
		CP-OFDM		QPSK	1	1	11.46	11.10	11.56
	40	DFT-s OFDM		PI/2 BPSK	1	1	14.31	14.39	13.71
					1	53	14.41	13.66	13.78
					1	104	14.15	13.92	13.79
					50	0	13.17	12.47	13.49
					50	28	14.32	13.70	13.70
					50	56	12.96	12.82	13.03
					100	0	13.33	12.62	12.65
				QPSK	1	1	14.32	14.42	13.76
					1	53	14.44	13.69	13.82
					1	104	14.16	13.93	13.80
					50	0	13.22	12.51	13.50
					50	28	14.34	13.72	13.71
					50	56	12.99	12.85	13.08
					100	0	13.34	12.64	12.67
				16QAM	1	1	12.55	13.13	12.69
				64QAM	1	1	10.46	10.08	10.64
				256QAM	1	1	8.33	9.12	9.59
		CP-OFDM		QPSK	1	1	11.46	11.02	11.65

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	14.39	14.23	13.81
					1	67	13.80	14.31	13.16
					1	131	14.41	13.64	13.99
					64	0	13.43	12.19	13.79
					64	35	13.69	14.29	13.11
					64	69	13.32	12.42	13.49
					128	0	13.59	12.33	12.92
				QPSK	1	1	14.42	14.29	13.86
					1	67	13.83	14.34	13.18
					1	131	14.43	13.70	14.02
					64	0	13.49	12.20	12.85
					64	35	13.75	14.32	13.12
					64	69	13.38	12.43	12.52
					128	0	12.65	12.34	12.98
				16QAM	1	1	12.55	13.11	12.70
				64QAM	1	1	10.44	10.04	10.64
				256QAM	1	1	8.35	9.05	9.60
		CP-OFDM		QPSK	1	1	11.49	11.04	11.61
	60	DFT-s OFDM		PI/2 BPSK	1	1	14.40	14.24	13.92
					1	81	13.69	14.40	13.10
					1	160	14.22	13.85	13.77
					81	0	13.42	12.23	13.75
					81	41	13.65	14.31	13.09
					81	81	13.23	12.53	13.32
					162	0	13.57	12.33	12.92
				QPSK	1	1	14.42	14.27	13.93
					1	81	13.73	14.42	13.13
					1	160	14.28	13.86	13.82
					81	0	13.44	12.25	12.76
					81	41	13.70	14.37	13.11
					81	81	13.24	12.58	13.38
					162	0	12.62	12.37	12.95
				16QAM	1	1	12.48	13.11	12.64
				64QAM	1	1	10.52	10.99	10.56
				256QAM	1	1	8.38	9.10	9.61
		CP-OFDM		QPSK	1	1	11.44	11.04	11.59

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	14.39	14.24	13.88
					1	95	13.68	14.39	13.10
					1	187	14.18	13.91	13.72
					90	0	13.46	13.20	12.72
					90	50	13.60	13.39	14.01
					90	99	13.08	12.70	13.22
					180	0	13.60	12.35	12.89
				QPSK	1	1	14.43	14.28	13.89
					1	95	13.70	14.44	13.11
					1	187	14.21	13.92	13.76
					90	0	13.47	13.23	12.78
					90	50	13.63	13.43	14.02
					90	99	13.12	12.73	13.25
					180	0	12.61	12.41	12.91
				16QAM	1	1	12.56	13.16	12.70
				64QAM	1	1	10.50	10.08	10.54
				256QAM	1	1	8.35	9.04	9.55
		CP-OFDM		QPSK	1	1	11.47	11.09	11.56
	80	DFT-s OFDM		PI/2 BPSK	1	1	14.38	14.26	13.89
					1	109	13.58	13.48	13.95
					1	215	14.21	13.78	13.84
					108	0	13.42	13.19	12.75
					108	55	14.42	13.49	13.90
					108	109	12.95	12.77	13.09
					216	0	13.54	12.46	12.83
				QPSK	1	1	14.48	14.28	13.92
					1	109	13.64	13.54	13.98
					1	215	14.25	13.84	13.88
					108	0	13.46	13.24	12.79
					108	55	13.54	13.50	13.94
					108	109	13.01	12.82	13.14
					216	0	12.55	12.47	12.85
				16QAM	1	1	12.46	13.06	12.67
				64QAM	1	1	10.50	10.06	10.55
				256QAM	1	1	8.42	9.11	9.60
		CP-OFDM		QPSK	1	1	11.48	11.05	11.64

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	14.41	14.24	13.83
					1	123	14.49	13.59	13.86
					1	243	14.46	13.59	14.06
					120	0	13.40	13.26	12.66
					120	63	14.40	13.53	13.81
					120	125	12.89	12.86	13.01
					243	0	13.45	12.50	12.75
				QPSK	1	1	14.43	14.28	13.88
					1	123	13.52	13.65	13.87
					1	243	14.50	13.60	14.08
					120	0	13.42	13.32	12.68
					120	63	14.46	13.59	13.85
					120	125	12.95	12.89	13.05
					243	0	13.46	12.54	12.80
				16QAM	1	1	12.56	13.13	12.61
				64QAM	1	1	10.46	10.99	10.62
				256QAM	1	1	8.41	9.10	9.58
		CP-OFDM		QPSK	1	1	11.51	11.08	11.60
	100	DFT-s OFDM		PI/2 BPSK	1	1	14.46	14.28	13.90
					1	137	14.46	13.72	13.84
					1	271	13.73	14.41	14.32
					135	0	13.40	13.35	13.73
					135	69	14.38	13.69	13.78
					135	138	13.03	12.83	13.17
					270	0	13.38	12.62	12.73
				QPSK	1	1	14.47	14.30	13.92
					1	137	14.45	13.71	13.84
					1	271	13.72	14.42	14.31
					135	0	13.41	13.33	12.72
					135	69	14.39	13.68	13.80
					135	138	13.04	12.82	13.16
					270	0	13.39	12.63	12.71
				16QAM	1	1	12.56	13.16	12.71
				64QAM	1	1	10.53	10.08	10.64
				256QAM	1	1	8.42	9.12	9.63
		CP-OFDM		QPSK	1	1	11.51	11.12	11.66

NR Band n77 Upper (SRS3 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	17.49	18.05	17.26
					1	12	17.63	17.61	16.80
					1	22	17.94	17.61	17.81
					12	0	16.80	16.53	16.54
					12	6	17.61	17.58	17.70
					12	12	17.80	16.58	17.16
					24	0	16.57	16.59	17.00
				QPSK	1	1	17.55	18.10	17.27
					1	12	17.66	17.64	16.84
					1	22	17.95	17.66	17.87
					12	0	16.81	16.59	16.56
					12	6	17.66	17.63	17.75
					12	12	16.85	16.64	17.22
					24	0	16.62	16.60	17.03
				16QAM	1	1	16.95	16.54	15.58
				64QAM	1	1	14.87	15.52	14.09
				256QAM	1	1	12.94	13.59	13.07
		CP-OFDM		QPSK	1	1	16.89	15.56	15.08
	15	DFT-s OFDM		PI/2 BPSK	1	1	17.58	18.08	17.25
					1	19	17.60	17.64	16.76
					1	36	17.87	17.68	17.83
					18	0	16.78	16.55	16.45
					18	10	17.64	17.62	17.67
					18	20	17.83	16.60	17.17
					36	0	16.53	16.61	16.96
				QPSK	1	1	17.60	18.09	17.26
					1	19	17.65	17.66	16.80
					1	36	17.92	17.71	17.84
					18	0	16.79	16.61	16.50
					18	10	17.68	17.64	17.70
					18	20	16.87	16.64	17.23
					36	0	16.56	16.62	16.97
				16QAM	1	1	16.96	16.53	15.50
				64QAM	1	1	14.94	15.50	14.01
				256QAM	1	1	12.97	13.59	13.10
		CP-OFDM		QPSK	1	1	16.84	15.56	15.98

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	17.50	18.06	17.25
					1	26	17.66	17.60	16.77
					1	49	17.89	17.71	17.76
					25	0	16.73	16.61	16.49
					25	13	17.60	17.60	17.69
					25	26	17.79	16.61	17.18
					50	0	16.59	16.57	16.96
				QPSK	1	1	17.55	18.10	17.27
					1	26	17.68	17.65	16.81
					1	49	17.90	17.72	17.80
					25	0	16.77	16.62	16.53
					25	13	17.61	17.66	17.72
					25	26	16.83	16.67	17.22
					50	0	16.60	16.63	16.99
				16QAM	1	1	16.94	16.58	15.57
				64QAM	1	1	14.86	15.60	14.03
				256QAM	1	1	13.02	13.55	13.01
		CP-OFDM		QPSK	1	1	16.88	15.54	15.02
	25	DFT-s OFDM		PI/2 BPSK	1	1	16.90	17.62	16.58
					1	39	17.29	17.85	16.53
					1	76	18.20	17.20	18.17
					36	0	16.32	16.91	16.02
					36	21	17.97	17.21	17.87
					36	42	17.62	16.79	16.92
					75	0	16.55	16.46	16.96
				QPSK	1	1	16.90	17.68	16.62
					1	39	17.34	17.95	17.49
					1	76	18.29	17.24	18.19
					36	0	16.41	16.93	16.02
					36	21	18.00	17.37	18.03
					36	42	16.64	16.86	16.89
					75	0	16.53	16.48	16.92
				16QAM	1	1	16.91	16.56	16.51
				64QAM	1	1	14.85	15.48	14.93
				256QAM	1	1	12.96	13.48	12.98
		CP-OFDM		QPSK	1	1	16.76	15.48	15.02

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	16.92	17.70	16.57
					1	39	17.28	17.91	16.58
					1	76	18.25	17.28	18.16
					36	0	16.35	16.95	16.05
					36	21	17.95	17.28	17.97
					36	42	17.61	16.81	16.93
					75	0	16.54	16.53	16.97
				QPSK	1	1	16.95	17.72	16.63
					1	39	17.34	17.97	16.52
					1	76	18.28	17.33	18.19
					36	0	16.40	17.00	16.11
					36	21	17.98	17.34	18.03
					36	42	16.64	16.87	16.98
					75	0	16.60	16.58	17.01
				16QAM	1	1	16.99	16.59	16.49
				64QAM	1	1	14.94	15.55	14.01
				256QAM	1	1	12.93	13.54	13.08
		CP-OFDM		QPSK	1	1	16.83	15.58	15.04
	40	DFT-s OFDM		PI/2 BPSK	1	1	17.69	17.89	17.43
					1	53	17.64	17.66	16.76
					1	104	18.43	17.11	18.33
					50	0	16.55	16.80	16.27
					50	28	17.45	17.77	17.50
					50	56	17.07	17.38	16.41
					100	0	16.97	17.12	16.38
				QPSK	1	1	17.74	17.93	17.44
					1	53	17.65	17.67	16.81
					1	104	18.45	17.14	18.38
					50	0	16.57	16.84	16.30
					50	28	17.51	17.81	17.55
					50	56	17.11	17.39	16.47
					100	0	16.02	17.17	16.43
				16QAM	1	1	16.99	16.55	15.59
				64QAM	1	1	14.94	15.60	14.05
				256QAM	1	1	13.02	13.60	13.04
		CP-OFDM		QPSK	1	1	16.85	15.56	15.01

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	17.55	18.04	17.25
					1	67	17.63	17.59	16.81
					1	131	17.89	17.65	17.86
					64	0	16.77	16.52	16.52
					64	35	17.66	17.58	17.69
					64	69	17.78	16.70	17.10
					128	0	16.59	16.57	17.00
				QPSK	1	1	17.58	18.06	17.31
					1	67	17.67	17.65	16.82
					1	131	17.94	17.66	17.88
					64	0	16.83	16.55	16.55
					64	35	17.70	17.62	17.75
					64	69	16.82	16.71	17.16
					128	0	16.60	16.59	17.04
				16QAM	1	1	17.00	16.62	15.50
				64QAM	1	1	14.95	15.52	14.01
				256QAM	1	1	13.02	13.58	13.06
		CP-OFDM		QPSK	1	1	16.86	15.54	15.06
	60	DFT-s OFDM		PI/2 BPSK	1	1	17.47	18.10	17.21
					1	81	17.68	17.53	16.83
					1	160	17.84	17.70	17.75
					81	0	16.79	16.51	16.55
					81	41	17.76	17.54	17.78
					81	81	17.78	16.66	17.17
					162	0	16.51	16.59	16.97
				QPSK	1	1	17.53	18.11	17.25
					1	81	17.72	17.57	16.87
					1	160	17.89	17.72	17.81
					81	0	16.83	16.56	16.57
					81	41	17.77	17.55	17.79
					81	81	16.81	16.70	17.19
					162	0	16.57	16.62	17.00
				16QAM	1	1	16.94	16.52	15.56
				64QAM	1	1	14.96	15.60	14.09
				256QAM	1	1	12.99	13.56	13.08
		CP-OFDM		QPSK	1	1	16.84	15.54	15.07

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	17.56	18.06	17.18
					1	95	17.65	17.51	16.86
					1	187	17.92	17.61	17.87
					90	0	16.82	16.50	16.53
					90	50	17.68	17.54	17.77
					90	99	17.81	16.63	17.20
					180	0	16.66	16.52	17.07
				QPSK	1	1	17.57	18.11	17.22
					1	95	17.71	17.57	16.87
					1	187	17.94	17.65	17.89
					90	0	16.84	16.56	16.56
					90	50	17.72	17.57	17.81
					90	99	16.82	16.66	17.22
					180	0	16.69	16.54	17.08
				16QAM	1	1	17.03	16.62	15.54
				64QAM	1	1	14.95	15.57	14.07
				256QAM	1	1	12.96	13.64	13.10
		CP-OFDM		QPSK	1	1	16.91	15.58	15.00
	80	DFT-s OFDM		PI/2 BPSK	1	1	17.49	18.08	17.22
					1	109	17.57	17.63	16.70
					1	215	18.14	17.35	18.12
					108	0	16.81	16.50	16.51
					108	55	17.71	17.51	17.77
					108	109	17.75	16.68	17.11
					216	0	16.63	16.47	17.05
				QPSK	1	1	17.55	18.10	17.27
					1	109	17.59	17.69	16.76
					1	215	18.20	17.40	18.14
					108	0	16.86	16.55	16.56
					108	55	17.74	17.56	17.80
					108	109	16.81	16.70	17.15
					216	0	16.69	16.52	17.10
				16QAM	1	1	17.00	16.62	15.52
				64QAM	1	1	14.96	15.55	14.01
				256QAM	1	1	12.97	13.60	13.09
		CP-OFDM		QPSK	1	1	16.82	15.59	15.05

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	17.56	18.06	17.19
					1	123	17.66	17.57	16.82
					1	243	17.61	17.94	17.04
					120	0	16.79	16.57	16.54
					120	63	17.67	17.60	17.24
					120	125	17.80	16.62	17.16
					243	0	16.64	16.53	17.00
				QPSK	1	1	17.59	18.10	17.23
					1	123	17.71	17.62	16.85
					1	243	17.66	17.95	17.57
					120	0	16.81	16.58	16.56
					120	63	17.70	17.61	17.75
					120	125	16.84	16.65	17.19
					243	0	16.66	16.56	17.05
				16QAM	1	1	17.04	16.59	15.52
				64QAM	1	1	14.96	15.57	14.03
				256QAM	1	1	12.94	13.63	13.09
		CP-OFDM		QPSK	1	1	16.84	15.52	15.08
	100	DFT-s OFDM		PI/2 BPSK	1	1	17.58	18.12	17.25
					1	137	17.71	17.63	16.85
					1	271	18.25	18.37	17.30
					135	0	17.86	17.54	17.58
					135	69	17.69	17.62	17.76
					135	138	17.02	17.50	16.39
					270	0	17.64	17.60	17.02
				QPSK	1	1	18.49	18.12	17.25
					1	137	17.70	17.63	16.85
					1	271	18.26	18.37	17.19
					135	0	16.88	16.55	16.60
					135	69	17.70	17.62	17.76
					135	138	17.03	17.50	16.39
					270	0	16.62	16.61	17.02
				16QAM	1	1	17.04	16.62	15.59
				64QAM	1	1	14.96	15.60	14.11
				256QAM	1	1	13.03	13.64	13.11
		CP-OFDM		QPSK	1	1	16.92	15.61	15.08

NR Band n77 IC (SRS1 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	13.92	13.80	14.18
					1	12	13.74	13.29	13.70
					1	22	13.56	13.40	14.23
					12	0	13.06	12.54	13.38
					12	6	13.85	13.51	13.77
					12	12	12.55	13.03	13.56
					24	0	12.78	12.22	13.75
				QPSK	1	1	14.00	13.68	14.24
					1	12	13.85	13.38	13.80
					1	22	13.50	13.45	14.14
					12	0	12.98	12.34	13.34
					12	6	13.81	13.35	13.77
					12	12	12.56	12.38	12.60
					24	0	12.80	12.35	12.66
				16QAM	1	1	13.07	12.67	13.26
				64QAM	1	1	10.99	10.79	11.26
				256QAM	1	1	8.97	8.57	9.19
		CP-OFDM		QPSK	1	1	11.88	11.60	12.14
	15	DFT-s OFDM		PI/2 BPSK	1	1	14.05	13.64	14.28
					1	19	13.91	13.39	13.73
					1	36	13.37	13.79	14.25
					18	0	13.05	12.42	13.30
					18	10	13.75	13.38	13.78
					18	20	12.66	13.00	13.65
					36	0	12.70	12.46	13.81
				QPSK	1	1	13.92	13.37	14.30
					1	19	13.74	13.42	13.71
					1	36	13.50	13.52	14.18
					18	0	12.90	12.34	13.27
					18	10	13.70	13.40	13.71
					18	20	12.71	12.46	12.58
					36	0	12.75	12.39	12.70
				16QAM	1	1	13.00	12.65	13.28
				64QAM	1	1	10.88	10.66	11.22
				256QAM	1	1	8.87	8.71	9.14
		CP-OFDM		QPSK	1	1	11.88	11.63	12.13

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	13.85	13.86	14.22
					1	26	13.74	13.45	13.79
					1	49	13.39	13.87	14.31
					25	0	12.99	12.41	13.26
					25	13	13.68	13.37	13.75
					25	26	12.65	12.97	13.60
					50	0	12.66	12.33	13.64
				QPSK	1	1	13.92	12.86	14.33
					1	26	13.70	13.43	13.80
					1	49	13.41	13.65	14.08
					25	0	12.92	12.32	13.36
					25	13	13.73	13.42	13.77
					25	26	12.54	12.49	12.56
					50	0	12.70	12.43	12.79
				16QAM	1	1	12.83	12.68	13.34
				64QAM	1	1	10.84	10.69	11.17
				256QAM	1	1	8.98	8.68	9.10
		CP-OFDM		QPSK	1	1	11.99	11.75	12.16
	25	DFT-s OFDM		PI/2 BPSK	1	1	13.90	13.70	14.14
					1	33	13.83	13.24	13.85
					1	63	13.38	13.73	14.28
					32	0	12.96	12.46	13.25
					32	17	13.55	13.39	13.88
					32	33	12.76	12.78	13.57
					64	0	12.66	12.26	13.64
				QPSK	1	1	13.79	13.36	14.34
					1	33	13.85	13.35	13.67
					1	63	13.55	13.56	14.32
					32	0	12.87	12.39	13.37
					32	17	13.85	13.32	13.80
					32	33	12.68	12.44	12.57
					64	0	12.88	12.30	12.54
				16QAM	1	1	12.88	12.73	13.14
				64QAM	1	1	10.95	10.61	11.03
				256QAM	1	1	8.97	8.80	9.19
		CP-OFDM		QPSK	1	1	12.01	11.60	12.09

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	13.95	13.73	14.14
					1	39	13.91	13.33	13.88
					1	76	13.45	13.79	14.26
					36	0	13.05	12.49	13.35
					36	21	13.65	13.41	13.86
					36	42	12.73	12.83	13.58
					75	0	12.68	12.34	13.64
				QPSK	1	1	13.84	13.46	14.32
					1	39	13.92	13.39	13.70
					1	76	13.56	13.65	14.30
					36	0	12.97	12.38	13.42
					36	21	13.88	13.37	13.77
					36	42	12.72	12.47	12.57
					75	0	12.88	12.35	12.59
				16QAM	1	1	12.90	12.80	13.16
				64QAM	1	1	10.95	10.58	11.07
				256QAM	1	1	8.97	8.80	9.19
		CP-OFDM		QPSK	1	1	12.04	11.67	12.13
	40	DFT-s OFDM		PI/2 BPSK	1	1	13.93	13.45	14.17
					1	53	13.90	13.51	13.89
					1	104	13.54	13.68	14.10
					50	0	12.90	12.39	13.43
					50	28	13.82	13.36	13.63
					50	56	12.66	12.97	13.61
					100	0	12.64	12.46	13.66
				QPSK	1	1	13.98	13.79	14.33
					1	53	13.94	13.50	13.85
					1	104	13.36	13.89	14.14
					50	0	12.99	12.36	13.36
					50	28	13.73	13.45	13.75
					50	56	12.52	12.66	12.58
					100	0	12.66	12.42	12.69
				16QAM	1	1	13.03	12.67	13.31
				64QAM	1	1	10.96	10.68	11.06
				256QAM	1	1	9.03	8.62	9.02
		CP-OFDM		QPSK	1	1	11.95	11.60	12.10

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	13.90	13.61	14.17
					1	67	13.90	13.41	13.84
					1	131	13.48	13.67	14.10
					64	0	12.93	12.38	13.29
					64	35	13.77	13.30	13.72
					64	69	12.54	13.00	13.63
					128	0	12.76	12.31	13.83
				QPSK	1	1	13.93	13.77	14.34
					1	67	13.74	13.54	13.78
					1	131	13.49	13.45	14.27
					64	0	13.00	12.69	13.34
					64	35	13.72	13.52	13.76
					64	69	12.54	12.37	12.65
					128	0	12.69	12.55	12.66
				16QAM	1	1	12.92	12.68	13.24
				64QAM	1	1	10.79	10.68	11.15
				256QAM	1	1	9.00	8.59	9.05
		CP-OFDM		QPSK	1	1	11.97	11.69	12.20
	60	DFT-s OFDM		PI/2 BPSK	1	1	13.81	13.71	14.24
					1	81	13.70	13.34	13.80
					1	160	13.37	13.73	14.30
					81	0	13.08	12.46	13.43
					81	41	13.65	13.37	13.75
					81	81	12.57	13.04	13.54
					162	0	12.64	12.32	13.74
				QPSK	1	1	13.85	13.79	14.32
					1	81	13.71	13.47	13.76
					1	160	13.59	13.65	14.15
					81	0	12.89	12.65	13.41
					81	41	13.81	13.45	13.73
					81	81	12.60	12.34	12.57
					162	0	12.77	12.44	12.72
				16QAM	1	1	12.99	12.60	13.21
				64QAM	1	1	10.94	10.79	11.11
				256QAM	1	1	9.01	8.80	9.21
		CP-OFDM		QPSK	1	1	11.91	11.75	12.20

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	13.89	13.65	14.28
					1	95	13.92	13.54	13.73
					1	187	13.44	13.82	14.29
					90	0	12.90	12.61	13.46
					90	50	13.74	13.27	13.80
					90	99	12.64	13.02	13.45
					180	0	12.68	12.22	13.66
				QPSK	1	1	13.99	13.77	14.35
					1	95	13.81	13.41	13.84
					1	187	13.47	13.89	14.17
					90	0	12.97	12.63	13.24
					90	50	13.68	13.38	13.81
					90	99	12.71	12.47	13.40
					180	0	12.79	12.38	12.75
				16QAM	1	1	12.90	12.80	13.16
				64QAM	1	1	10.76	10.66	11.23
				256QAM	1	1	9.00	8.68	9.24
		CP-OFDM		QPSK	1	1	11.84	11.76	12.17
	80	DFT-s OFDM		PI/2 BPSK	1	1	13.91	13.80	14.27
					1	109	13.87	13.36	13.81
					1	215	13.48	13.72	14.20
					108	0	12.92	12.46	13.48
					108	55	13.86	13.33	13.81
					108	109	12.73	12.89	13.48
					216	0	12.68	12.24	13.60
				QPSK	1	1	13.82	13.77	14.31
					1	109	13.71	13.39	13.81
					1	215	13.43	14.00	14.26
					108	0	12.95	12.59	13.28
					108	55	13.78	13.36	13.78
					108	109	12.73	12.62	12.65
					216	0	12.69	12.31	12.65
				16QAM	1	1	12.93	12.70	13.29
				64QAM	1	1	10.90	10.77	11.17
				256QAM	1	1	8.88	8.58	9.18
		CP-OFDM		QPSK	1	1	11.98	11.58	12.21

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	13.89	13.78	14.29
					1	123	13.81	13.32	13.90
					1	243	13.58	13.77	14.09
					120	0	13.12	12.48	13.40
					120	63	13.79	13.52	13.82
					120	125	12.62	12.98	13.60
					243	0	12.87	12.43	13.81
				QPSK	1	1	14.06	13.77	14.15
					1	123	13.70	13.39	13.76
					1	243	13.50	13.94	14.30
					120	0	12.96	12.57	13.48
					120	63	13.74	13.34	13.87
					120	125	12.59	12.83	13.43
					243	0	12.86	12.28	12.81
				16QAM	1	1	13.08	12.80	13.27
				64QAM	1	1	10.96	10.65	11.08
				256QAM	1	1	8.89	8.62	9.14
		CP-OFDM		QPSK	1	1	11.86	11.77	12.07
	100	DFT-s OFDM		PI/2 BPSK	1	1	13.98	13.76	14.25
					1	137	13.84	13.44	13.82
					1	271	13.51	13.80	14.22
					135	0	13.02	12.51	13.38
					135	69	13.79	13.42	13.76
					135	138	12.64	12.98	13.57
					270	0	12.79	12.36	13.74
				QPSK	1	1	13.97	13.75	14.39
					1	137	13.85	13.42	13.83
					1	271	13.50	13.81	14.23
					135	0	13.04	12.52	13.39
					135	69	13.81	13.41	13.78
					135	138	12.65	13.00	12.55
					270	0	12.79	12.36	12.73
				16QAM	1	1	12.98	12.75	13.25
				64QAM	1	1	10.90	10.70	11.16
				256QAM	1	1	8.93	8.72	9.17
		CP-OFDM		QPSK	1	1	11.94	11.69	12.17

NR Band n77 IC (SRS2 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	13.61	13.95	13.73
					1	12	13.62	13.71	14.30
					1	22	13.65	14.28	13.89
					12	0	12.72	13.66	13.86
					12	6	13.68	13.80	14.29
					12	12	12.47	13.45	13.16
					24	0	12.74	13.69	13.44
				QPSK	1	1	13.53	13.77	13.76
					1	12	13.72	13.72	13.52
					1	22	13.68	13.73	13.93
					12	0	11.77	12.72	13.02
					12	6	13.78	13.82	14.42
					12	12	12.50	12.71	13.20
					24	0	12.60	12.71	13.34
				16QAM	1	1	12.44	12.99	12.69
				64QAM	1	1	11.48	11.81	11.73
				256QAM	1	1	9.44	9.88	9.66
		CP-OFDM		QPSK	1	1	12.49	12.85	12.77
	15	DFT-s OFDM		PI/2 BPSK	1	1	13.64	14.04	13.74
					1	19	13.73	13.85	14.38
					1	36	13.54	14.02	13.79
					18	0	12.72	13.75	13.02
					18	10	13.58	13.82	14.31
					18	20	12.62	13.48	13.11
					36	0	12.65	13.56	13.21
				QPSK	1	1	13.48	13.76	13.80
					1	19	13.70	13.73	13.54
					1	36	13.49	13.75	14.42
					18	0	11.70	12.72	13.02
					18	10	13.58	13.70	14.40
					18	20	12.66	12.71	13.36
					36	0	12.61	12.70	13.25
				16QAM	1	1	12.57	12.88	12.75
				64QAM	1	1	11.47	11.77	11.57
				256QAM	1	1	9.48	9.82	9.66
		CP-OFDM		QPSK	1	1	12.34	12.81	12.76

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	13.47	13.98	13.75
					1	26	13.73	13.92	14.38
					1	49	13.59	14.40	14.00
					25	0	12.84	13.74	13.04
					25	13	13.57	13.72	14.40
					25	26	12.48	13.38	13.36
					50	0	12.67	13.81	13.21
				QPSK	1	1	13.66	13.76	13.76
					1	26	13.59	13.73	14.43
					1	49	13.59	13.82	13.90
					25	0	11.93	12.71	12.97
					25	13	13.60	13.71	14.47
					25	26	12.58	12.72	13.23
					50	0	12.53	12.71	13.41
				16QAM	1	1	12.52	12.92	12.74
				64QAM	1	1	11.57	11.77	11.77
				256QAM	1	1	9.45	9.82	9.78
		CP-OFDM		QPSK	1	1	12.34	12.80	12.57
	25	DFT-s OFDM		PI/2 BPSK	1	1	13.39	13.91	13.64
					1	33	13.70	13.67	13.44
					1	63	13.50	14.26	13.85
					32	0	12.73	13.79	13.89
					32	17	13.68	13.69	13.49
					32	33	12.68	13.38	13.05
					64	0	12.71	13.61	13.45
				QPSK	1	1	13.58	13.79	13.76
					1	33	13.73	13.71	13.51
					1	63	13.59	13.99	13.76
					32	0	11.86	12.72	12.99
					32	17	13.72	13.74	14.36
					32	33	12.51	12.87	13.38
					64	0	12.57	12.71	13.25
				16QAM	1	1	12.48	12.88	12.64
				64QAM	1	1	11.52	11.96	11.67
				256QAM	1	1	9.45	9.81	9.73
		CP-OFDM		QPSK	1	1	12.51	12.75	12.72

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	13.46	13.97	13.67
					1	39	13.79	13.71	13.51
					1	76	13.47	14.28	13.83
					36	0	12.78	13.78	13.89
					36	21	13.65	13.79	13.51
					36	42	12.70	13.47	13.12
					75	0	12.72	13.59	13.43
				QPSK	1	1	13.63	13.77	13.79
					1	39	13.74	13.74	13.51
					1	76	13.57	14.02	13.83
					36	0	11.86	12.70	12.96
					36	21	13.75	13.72	14.46
					36	42	12.55	12.86	13.36
					75	0	12.65	12.71	13.33
				16QAM	1	1	12.55	12.91	12.71
				64QAM	1	1	11.57	12.00	11.65
				256QAM	1	1	9.44	9.84	9.70
		CP-OFDM		QPSK	1	1	12.51	12.78	12.79
	40	DFT-s OFDM		PI/2 BPSK	1	1	13.46	14.00	13.69
					1	53	13.65	13.75	14.45
					1	104	13.53	14.24	13.83
					50	0	12.83	13.78	13.85
					50	28	13.71	13.79	14.44
					50	56	12.53	13.37	13.34
					100	0	12.64	13.74	13.38
				QPSK	1	1	13.48	13.74	13.81
					1	53	13.74	13.85	14.45
					1	104	13.57	14.32	13.82
					50	0	11.68	12.70	13.01
					50	28	13.76	13.82	14.43
					50	56	12.56	13.08	13.22
					100	0	12.66	12.77	13.37
				16QAM	1	1	12.42	12.86	12.75
				64QAM	1	1	11.54	11.01	11.80
				256QAM	1	1	9.37	9.91	9.75
		CP-OFDM		QPSK	1	1	12.51	12.80	12.58

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	13.51	13.99	13.77
					1	67	13.68	13.75	14.31
					1	131	13.66	14.25	13.95
					64	0	12.63	13.83	13.83
					64	35	13.77	13.81	14.32
					64	69	12.65	13.46	13.32
					128	0	12.54	13.62	13.44
				QPSK	1	1	13.49	13.97	13.66
					1	67	13.55	13.83	14.34
					1	131	13.68	13.82	14.00
					64	0	11.93	12.92	12.93
					64	35	13.58	13.81	14.34
					64	69	12.49	12.71	13.31
					128	0	12.69	12.82	13.45
				16QAM	1	1	12.46	12.89	12.79
				64QAM	1	1	11.41	11.76	11.66
				256QAM	1	1	9.46	9.84	9.79
		CP-OFDM		QPSK	1	1	12.44	12.86	12.72
	60	DFT-s OFDM		PI/2 BPSK	1	1	13.52	13.91	13.71
					1	81	13.71	13.77	14.33
					1	160	13.44	14.29	13.78
					81	0	12.82	13.67	13.90
					81	41	13.78	13.84	13.51
					81	81	12.65	13.35	13.27
					162	0	12.75	13.59	13.27
				QPSK	1	1	13.50	13.99	13.80
					1	81	13.78	13.91	14.37
					1	160	13.59	14.06	13.90
					81	0	11.87	12.91	12.84
					81	41	13.74	13.76	13.51
					81	81	12.56	12.72	13.13
					162	0	12.63	12.75	13.20
				16QAM	1	1	12.48	12.91	12.63
				64QAM	1	1	11.58	11.92	11.62
				256QAM	1	1	9.39	9.85	9.61
		CP-OFDM		QPSK	1	1	12.32	12.84	12.75

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	13.50	13.94	13.79
					1	95	13.66	13.71	14.33
					1	187	13.60	14.30	13.97
					90	0	12.69	13.84	13.91
					90	50	13.61	13.72	14.33
					90	99	12.67	13.43	13.19
					180	0	12.71	13.63	13.22
				QPSK	1	1	13.48	13.99	13.81
					1	95	13.66	13.73	13.52
					1	187	13.53	14.34	13.91
					90	0	11.75	12.89	12.88
					90	50	13.75	13.71	14.31
					90	99	12.70	12.85	13.29
					180	0	12.68	12.70	13.26
				16QAM	1	1	12.62	13.07	12.84
				64QAM	1	1	11.47	11.97	11.69
				256QAM	1	1	9.36	9.93	9.63
		CP-OFDM		QPSK	1	1	12.35	12.93	12.71
	80	DFT-s OFDM		PI/2 BPSK	1	1	13.52	14.04	13.87
					1	109	13.80	13.76	14.40
					1	215	13.47	14.37	14.01
					108	0	12.75	13.71	13.89
					108	55	13.74	13.80	14.39
					108	109	12.48	13.53	13.30
					216	0	12.63	13.58	13.30
				QPSK	1	1	13.66	13.99	13.81
					1	109	13.80	13.76	14.46
					1	215	13.48	14.39	13.94
					108	0	11.88	12.86	13.07
					108	55	13.58	13.70	14.30
					108	109	12.58	13.04	13.36
					216	0	12.69	12.66	13.32
				16QAM	1	1	12.51	12.85	12.76
				64QAM	1	1	11.58	11.91	11.62
				256QAM	1	1	9.34	9.85	9.72
		CP-OFDM		QPSK	1	1	12.40	12.88	12.60

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	13.52	14.04	13.87
					1	123	13.80	13.76	14.40
					1	243	13.47	14.37	14.01
					120	0	12.75	13.71	13.89
					120	63	13.74	13.80	14.39
					120	125	12.48	13.53	13.30
					243	0	12.63	13.58	13.30
				QPSK	1	1	13.66	13.99	13.81
					1	123	13.80	13.76	14.46
					1	243	13.48	14.39	13.94
					120	0	11.88	12.86	13.07
					120	63	13.58	13.70	14.30
					120	125	12.58	13.04	13.36
					243	0	12.69	12.66	13.32
				16QAM	1	1	12.51	12.85	12.76
				64QAM	1	1	11.58	11.91	11.62
				256QAM	1	1	9.34	9.85	9.72
		CP-OFDM		QPSK	1	1	12.40	12.88	12.60
	100	DFT-s OFDM		PI/2 BPSK	1	1	13.58	14.00	13.80
					1	137	13.71	13.82	14.46
					1	271	13.57	14.36	13.92
					135	0	12.76	13.81	13.95
					135	69	13.69	13.78	14.41
					135	138	12.61	13.46	13.26
					270	0	12.65	13.71	13.34
				QPSK	1	1	13.60	13.99	13.78
					1	137	13.70	13.83	14.48
					1	271	13.58	14.38	13.93
					135	0	11.83	12.80	12.97
					135	69	13.70	13.76	14.40
					135	138	12.62	13.47	13.27
					270	0	12.65	12.70	13.35
				16QAM	1	1	12.54	12.99	12.75
				64QAM	1	1	11.49	11.91	11.70
				256QAM	1	1	9.47	9.92	9.73
		CP-OFDM		QPSK	1	1	12.47	12.90	12.69

NR Band n77 IC (SRS3 – PC2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	17.84	18.05	17.60
					1	12	18.17	17.98	17.81
					1	22	17.81	17.98	16.71
					12	0	17.24	17.20	16.67
					12	6	18.07	18.05	17.83
					12	12	16.88	17.44	16.45
					24	0	16.99	16.86	16.91
				QPSK	1	1	18.01	18.37	17.61
					1	12	17.91	17.98	17.86
					1	22	17.72	17.97	16.55
					12	0	17.08	16.99	16.72
					12	6	18.08	17.96	17.84
					12	12	16.86	16.94	16.47
					24	0	17.07	16.96	16.74
				16QAM	1	1	16.93	17.36	16.57
				64QAM	1	1	15.03	15.34	15.52
				256QAM	1	1	12.87	13.40	13.57
		CP-OFDM		QPSK	1	1	15.81	16.18	16.58
	15	DFT-s OFDM		PI/2 BPSK	1	1	17.99	18.04	17.48
					1	19	17.96	18.01	17.82
					1	36	17.75	18.08	16.56
					18	0	17.17	17.21	16.50
					18	10	17.97	17.85	17.94
					18	20	16.83	17.55	16.24
					36	0	17.02	16.84	16.87
				QPSK	1	1	18.02	18.30	17.68
					1	19	18.00	17.98	17.75
					1	36	17.79	17.96	16.52
					18	0	17.04	16.98	16.70
					18	10	18.04	17.95	17.93
					18	20	16.77	16.94	16.38
					36	0	17.02	16.96	16.71
				16QAM	1	1	17.02	17.37	16.46
				64QAM	1	1	15.02	15.30	15.52
				256QAM	1	1	12.95	13.38	13.59
		CP-OFDM		QPSK	1	1	15.99	16.33	16.43

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	18.05	18.03	17.55
					1	26	18.14	18.08	17.74
					1	49	17.81	18.05	16.58
					25	0	17.26	17.21	16.49
					25	13	18.05	17.95	17.69
					25	26	16.93	17.43	16.42
					50	0	16.88	16.91	16.71
				QPSK	1	1	17.94	18.36	17.62
					1	26	18.01	17.97	17.88
					1	49	17.71	18.01	16.60
					25	0	17.09	16.96	16.57
					25	13	18.06	17.96	17.81
					25	26	16.78	16.91	16.25
					50	0	17.02	16.95	16.85
				16QAM	1	1	16.87	17.37	16.53
				64QAM	1	1	14.90	15.33	15.61
				256QAM	1	1	12.93	13.28	13.57
		CP-OFDM		QPSK	1	1	15.86	16.36	16.43
	25	DFT-s OFDM		PI/2 BPSK	1	1	17.91	18.05	17.53
					1	33	18.07	17.91	17.83
					1	63	17.88	18.00	16.68
					32	0	17.01	16.95	16.48
					32	17	18.00	18.04	17.79
					32	33	16.90	17.26	16.23
					64	0	16.92	16.98	16.73
				QPSK	1	1	17.99	18.08	17.67
					1	33	17.94	17.95	17.95
					1	63	17.71	18.12	16.67
					32	0	17.11	16.90	16.70
					32	17	17.93	17.87	17.82
					32	33	16.97	16.97	16.40
					64	0	16.83	16.89	16.70
				16QAM	1	1	16.74	17.17	16.49
				64QAM	1	1	14.76	15.22	15.58
				256QAM	1	1	12.78	13.21	13.70
		CP-OFDM		QPSK	1	1	15.91	16.22	16.41

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	17.95	18.02	17.51
					1	39	18.14	17.92	17.85
					1	76	17.88	18.09	16.67
					36	0	17.04	17.02	16.50
					36	21	17.97	18.04	17.80
					36	42	16.94	17.33	16.25
					75	0	16.96	16.97	16.74
				QPSK	1	1	17.98	18.18	17.69
					1	39	17.91	17.95	17.95
					1	76	17.72	18.18	16.65
					36	0	17.17	16.95	16.71
					36	21	18.01	17.91	17.84
					36	42	16.98	17.02	16.38
					75	0	16.91	16.90	16.76
				16QAM	1	1	16.83	17.24	16.54
				64QAM	1	1	14.79	15.28	15.55
				256QAM	1	1	12.87	13.25	13.71
		CP-OFDM		QPSK	1	1	15.95	16.22	16.49
	40	DFT-s OFDM		PI/2 BPSK	1	1	17.80	18.23	17.61
					1	53	17.94	18.10	17.79
					1	104	17.88	18.11	16.60
					50	0	17.27	17.11	16.68
					50	28	17.99	17.89	17.84
					50	56	17.00	17.56	16.31
					100	0	17.06	16.86	16.81
				QPSK	1	1	17.85	18.02	17.46
					1	53	17.96	17.97	17.96
					1	104	17.70	18.40	16.52
					50	0	17.03	16.93	16.67
					50	28	17.92	17.99	17.76
					50	56	16.86	17.19	16.34
					100	0	16.98	16.95	16.91
				16QAM	1	1	16.92	17.28	16.50
				64QAM	1	1	15.00	15.16	15.62
				256QAM	1	1	12.82	13.15	13.66
		CP-OFDM		QPSK	1	1	15.86	16.27	16.35

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK			17.87	18.20	17.47
					1	67	17.99	17.97	17.79
					1	131	17.73	18.03	16.50
					64	0	17.15	17.08	16.70
					64	35	18.15	17.82	17.71
					64	69	16.89	17.48	16.30
					128	0	16.97	16.94	16.83
				QPSK	1	1	17.91	18.30	17.62
					1	67	18.09	18.13	17.76
					1	131	17.74	18.00	16.69
					64	0	17.11	17.29	16.66
					64	35	17.92	18.12	17.74
					64	69	17.02	16.96	16.29
					128	0	17.02	17.14	16.87
				16QAM	1	1	16.82	17.26	16.67
				64QAM	1	1	14.98	15.14	15.53
				256QAM	1	1	12.89	13.31	13.57
		CP-OFDM		QPSK	1	1	15.78	16.21	16.46
	60	DFT-s OFDM		PI/2 BPSK	1	1	18.00	18.28	17.52
					1	81	17.98	18.04	17.81
					1	160	17.82	18.06	16.60
					81	0	17.23	17.18	16.54
					81	41	18.12	17.92	17.82
					81	81	16.95	17.52	16.38
					162	0	16.94	16.98	16.69
				QPSK	1	1	17.84	18.30	17.49
					1	81	18.12	18.05	17.86
					1	160	17.88	18.19	16.67
					81	0	17.18	17.26	16.75
					81	41	17.92	18.05	17.71
					81	81	16.92	16.89	16.35
					162	0	17.12	17.02	16.89
				16QAM	1	1	16.89	17.36	16.48
				64QAM	1	1	14.97	15.26	15.59
				256QAM	1	1	13.00	13.38	13.66
		CP-OFDM		QPSK	1	1	15.88	16.32	16.52

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	17.82	18.23	17.57
					1	95	18.08	17.90	17.73
					1	187	17.85	18.12	16.62
					90	0	17.03	16.98	16.59
					90	50	18.03	17.90	17.69
					90	99	16.96	17.41	16.25
					180	0	16.94	16.77	16.76
				QPSK	1	1	17.80	18.28	17.67
					1	95	17.97	17.98	17.74
					1	187	17.86	18.40	16.67
					90	0	17.07	17.23	16.68
					90	50	17.91	17.98	17.73
					90	99	16.96	17.02	16.35
					180	0	17.02	16.96	16.81
				16QAM	1	1	16.95	17.32	16.62
				64QAM	1	1	14.83	15.37	15.52
				256QAM	1	1	12.91	13.21	13.50
		CP-OFDM		QPSK	1	1	15.82	16.35	16.57
	80	DFT-s OFDM		PI/2 BPSK	1	1	17.89	18.23	17.67
					1	109	18.16	17.89	17.79
					1	215	17.79	17.99	16.62
					108	0	17.27	17.13	16.59
					108	55	18.12	18.01	17.71
					108	109	16.85	17.34	16.40
					216	0	17.03	16.75	16.83
				QPSK	1	1	18.02	18.28	17.52
					1	109	17.91	17.98	17.85
					1	215	17.67	18.48	16.63
					108	0	17.11	17.21	16.68
					108	55	17.88	17.93	17.74
					108	109	16.87	17.17	16.28
					216	0	17.12	16.89	16.79
				16QAM	1	1	17.02	17.18	16.55
				64QAM	1	1	14.85	15.27	15.68
				256QAM	1	1	12.81	13.17	13.48
		CP-OFDM		QPSK	1	1	15.98	16.27	16.47

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	17.88	18.19	17.60
					1	123	18.12	17.91	17.92
					1	243	17.87	18.09	16.66
					120	0	17.21	17.02	16.68
					120	63	17.91	17.83	17.72
					120	125	17.02	17.39	16.47
					243	0	17.03	16.92	16.72
				QPSK	1	1	17.97	18.29	17.63
					1	123	18.02	17.94	17.85
					1	243	17.66	18.35	16.69
					120	0	17.14	17.14	16.62
					120	63	18.06	18.13	17.76
					120	125	16.86	17.36	16.24
					243	0	17.10	16.84	16.93
				16QAM	1	1	17.01	17.16	16.49
				64QAM	1	1	14.97	15.28	15.64
				256QAM	1	1	12.87	13.38	13.60
		CP-OFDM		QPSK	1	1	15.98	16.33	16.51
	100	DFT-s OFDM		PI/2 BPSK	1	1	17.94	18.31	17.59
					1	137	18.08	18.00	17.87
					1	271	17.79	18.12	16.61
					135	0	17.18	17.12	16.64
					135	69	18.05	17.96	17.84
					135	138	16.93	17.47	16.38
					270	0	17.02	16.90	16.81
				QPSK	1	1	17.95	18.32	17.60
					1	137	18.06	18.01	17.88
					1	271	17.80	18.13	16.62
					135	0	17.16	17.14	16.65
					135	69	18.03	17.95	17.85
					135	138	16.92	17.49	16.39
					270	0	17.02	16.91	16.83
				16QAM	1	1	16.94	17.31	16.60
				64QAM	1	1	14.93	15.28	15.58
				256QAM	1	1	12.96	13.30	13.62
		CP-OFDM		QPSK	1	1	15.92	16.27	16.50

NR Band n77 Lower (PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	24.29	24.25	24.18
					1	12	24.24	24.24	24.40
					1	22	24.17	24.24	24.06
					12	0	23.56	23.68	23.50
					12	6	24.08	24.16	24.10
					12	12	23.60	23.69	23.84
					24	0	23.49	23.65	23.80
				QPSK	1	1	24.41	24.23	24.24
					1	12	24.29	24.14	24.08
					1	22	24.04	24.20	24.37
					12	0	23.27	23.20	23.34
					12	6	24.08	24.16	24.03
					12	12	23.01	23.20	23.14
					24	0	23.00	23.19	23.18
				16QAM	1	1	23.01	23.18	22.99
				64QAM	1	1	21.62	21.59	21.47
				256QAM	1	1	19.58	19.70	19.61
		CP-OFDM		QPSK	1	1	22.67	22.73	22.84
	15	DFT-s OFDM		PI/2 BPSK	1	1	24.14	24.25	24.34
					1	19	24.37	24.18	24.38
					1	36	24.29	24.22	24.24
					18	0	23.65	23.72	23.92
					18	10	24.07	24.18	24.38
					18	20	23.81	23.72	23.57
					36	0	23.85	23.68	23.73
				QPSK	1	1	24.16	24.23	24.14
					1	19	24.13	24.12	24.11
					1	36	24.05	24.25	24.17
					18	0	23.35	23.19	23.16
					18	10	24.14	24.15	23.96
					18	20	23.37	23.21	23.22
					36	0	23.00	23.16	23.03
				16QAM	1	1	23.15	23.30	23.49
				64QAM	1	1	21.65	21.83	21.89
				256QAM	1	1	19.56	19.65	19.53
		CP-OFDM		QPSK	1	1	22.71	22.71	22.84

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	24.40	24.23	24.09
					1	26	24.19	24.12	24.08
					1	49	24.36	24.23	24.35
					25	0	23.58	23.69	23.73
					25	13	24.17	24.16	24.24
					25	26	23.91	23.71	23.62
					50	0	23.86	23.66	23.73
				QPSK	1	1	24.39	24.22	24.16
					1	26	24.02	24.12	23.96
					1	49	24.38	24.21	24.05
					25	0	23.29	23.21	23.41
					25	13	24.24	24.17	24.37
					25	26	23.38	23.22	23.28
					50	0	23.05	23.17	23.13
				16QAM	1	1	23.27	23.18	23.34
				64QAM	1	1	21.79	21.88	21.87
				256QAM	1	1	19.83	19.67	19.57
		CP-OFDM		QPSK	1	1	22.95	22.75	22.92
	25	DFT-s OFDM		PI/2 BPSK	1	1	24.49	24.20	24.45
					1	33	24.43	24.14	24.74
					1	63	24.28	24.22	24.66
					32	0	23.96	23.74	24.07
					32	17	24.41	24.13	24.69
					32	33	23.84	23.76	24.30
					64	0	23.85	23.60	24.13
				QPSK	1	1	24.39	24.30	24.44
					1	33	24.50	24.18	24.59
					1	63	24.29	24.19	24.65
					32	0	23.44	23.23	23.47
					32	17	24.36	24.10	24.63
					32	33	23.27	23.21	23.72
					64	0	23.49	23.11	23.62
				16QAM	1	1	23.36	23.41	23.46
				64QAM	1	1	22.02	22.09	21.84
				256QAM	1	1	19.82	19.64	20.00
		CP-OFDM		QPSK	1	1	23.02	22.88	23.03

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	24.44	24.30	24.43
					1	39	24.38	24.23	24.69
					1	76	24.30	24.30	24.75
					36	0	23.95	23.74	24.03
					36	21	24.39	24.16	24.67
					36	42	23.84	23.73	24.25
					75	0	23.90	23.66	24.14
				QPSK	1	1	24.47	24.29	24.43
					1	39	24.45	24.17	24.63
					1	76	24.32	24.26	24.72
					36	0	23.46	23.25	23.55
					36	21	24.46	24.18	24.68
					36	42	23.37	23.25	23.75
					75	0	23.45	23.16	23.64
				16QAM	1	1	23.43	23.39	23.53
				64QAM	1	1	22.03	22.11	21.87
				256QAM	1	1	19.87	19.69	19.96
		CP-OFDM		QPSK	1	1	22.98	22.84	23.03
	40	DFT-s OFDM		PI/2 BPSK	1	1	24.47	24.49	24.20
					1	53	24.36	24.36	24.55
					1	104	24.15	24.33	24.63
					50	0	23.91	23.99	23.87
					50	28	24.37	24.20	24.52
					50	56	23.74	23.94	24.14
					100	0	23.88	23.94	23.96
				QPSK	1	1	24.46	24.56	24.18
					1	53	24.43	24.48	24.44
					1	104	24.12	24.02	24.60
					50	0	23.42	23.42	23.37
					50	28	24.37	24.24	24.48
					50	56	23.27	23.23	23.65
					100	0	23.37	23.37	23.47
				16QAM	1	1	23.39	23.23	23.17
				64QAM	1	1	22.04	22.21	21.66
				256QAM	1	1	19.87	20.00	19.63
		CP-OFDM		QPSK	1	1	22.83	22.83	22.75

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	24.43	24.27	24.02
					1	67	24.40	24.52	24.34
					1	131	24.06	24.06	24.50
					64	0	23.95	23.76	23.69
					64	35	24.39	24.21	24.36
					64	69	23.74	23.68	24.00
					128	0	23.87	23.75	23.82
				QPSK	1	1	24.42	24.35	24.02
					1	67	24.37	24.53	24.36
					1	131	24.05	24.03	24.54
					64	0	23.44	23.37	23.17
					64	35	24.40	24.34	24.35
					64	69	23.25	23.28	23.48
					128	0	23.37	23.42	23.32
				16QAM	1	1	23.51	23.60	23.02
				64QAM	1	1	21.97	21.95	21.48
				256QAM	1	1	19.95	19.96	19.59
		CP-OFDM		QPSK	1	1	23.04	22.88	22.53
	60	DFT-s OFDM		PI/2 BPSK	1	1	24.51	24.40	24.46
					1	81	24.25	24.31	24.45
					1	160	24.54	24.46	24.58
					81	0	24.04	23.87	23.77
					81	41	24.40	24.23	24.05
					81	81	24.06	23.87	24.03
					162	0	23.79	23.69	23.83
				QPSK	1	1	24.48	24.35	24.27
					1	81	24.37	24.24	24.37
					1	160	24.33	24.42	24.51
					81	0	23.33	23.35	23.41
					81	41	24.36	24.22	24.40
					81	81	23.27	23.37	23.57
					162	0	23.26	23.19	23.38
				16QAM	1	1	23.32	23.24	23.32
				64QAM	1	1	21.84	21.73	21.90
				256QAM	1	1	19.87	19.80	19.95
		CP-OFDM		QPSK	1	1	22.88	22.93	22.80

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	24.60	24.40	24.59
					1	95	24.26	24.27	24.08
					1	187	24.20	24.02	23.94
					90	0	23.81	23.89	23.95
					90	50	24.05	24.23	24.16
					90	99	24.07	23.92	23.77
					180	0	23.90	23.73	23.85
				QPSK	1	1	24.25	24.39	24.48
					1	95	24.39	24.22	24.11
					1	187	24.39	23.59	23.63
					90	0	23.48	23.37	23.43
					90	50	24.29	24.24	24.32
					90	99	23.36	23.40	23.33
					180	0	23.11	23.23	23.05
				16QAM	1	1	23.39	23.33	23.47
				64QAM	1	1	21.97	21.95	21.86
				256QAM	1	1	20.00	19.90	20.06
		CP-OFDM		QPSK	1	1	22.91	22.91	23.11
	80	DFT-s OFDM		PI/2 BPSK	1	1	24.22	24.36	24.55
					1	109	24.22	24.24	24.25
					1	215	24.52	24.54	24.41
					108	0	23.83	23.86	23.78
					108	55	24.40	24.22	24.34
					108	109	23.82	23.90	24.05
					216	0	23.61	23.68	23.57
				QPSK	1	1	24.47	24.38	24.29
					1	109	24.43	24.24	24.43
					1	215	24.45	24.59	24.72
					108	0	23.28	23.39	23.37
					108	55	24.06	24.24	24.19
					108	109	23.41	23.42	23.29
					216	0	23.08	23.20	23.17
				16QAM	1	1	23.42	23.36	23.31
				64QAM	1	1	21.97	21.91	22.04
				256QAM	1	1	19.76	19.84	19.96
		CP-OFDM		QPSK	1	1	22.92	22.81	22.81

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	24.42	24.36	24.26
					1	123	24.35	24.22	24.40
					1	243	24.45	24.58	24.76
					120	0	23.91	23.87	24.00
					120	63	24.01	24.21	24.05
					120	125	24.03	23.90	23.85
					243	0	23.65	23.68	23.80
				QPSK	1	1	24.54	24.34	24.34
					1	123	24.21	24.20	24.15
					1	243	24.36	24.55	24.54
					120	0	23.29	23.37	23.54
					120	63	24.14	24.20	24.17
					120	125	23.41	23.40	23.24
					243	0	23.23	23.17	23.13
				16QAM	1	1	23.15	23.28	23.24
				64QAM	1	1	21.78	21.85	21.75
				256QAM	1	1	19.92	19.89	19.82
		CP-OFDM		QPSK	1	1	22.73	22.86	22.75
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	24.38	-
					1	137	-	24.26	-
					1	271	-	24.59	-
					135	0	-	23.87	-
					135	69	-	24.21	-
					135	138	-	23.93	-
					270	0	-	23.68	-
				QPSK	1	1	-	24.36	-
					1	137	-	24.20	-
					1	271	-	24.56	-
					135	0	-	23.37	-
					135	69	-	24.21	-
					135	138	-	23.43	-
					270	0	-	23.21	-
				16QAM	1	1	-	23.56	-
				64QAM	1	1	-	22.00	-
				256QAM	1	1	-	19.83	-
		CP-OFDM		QPSK	1	1	-	22.88	-

NR Band n77 Upper (PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	24.65	24.78	24.52
					1	12	24.63	24.34	24.66
					1	22	24.59	24.36	24.42
					12	0	24.16	23.92	24.23
					12	6	24.62	24.45	24.35
					12	12	24.09	24.05	23.77
					24	0	24.11	23.89	23.79
				QPSK	1	1	24.67	24.66	24.44
					1	12	24.66	24.64	24.61
					1	22	24.59	24.78	24.57
					12	0	23.65	23.82	23.51
					12	6	24.64	24.51	24.31
					12	12	23.65	23.58	23.48
					24	0	23.63	23.81	23.44
				16QAM	1	1	23.77	23.82	23.77
				64QAM	1	1	22.34	22.36	22.37
				256QAM	1	1	20.16	19.83	20.13
		CP-OFDM		QPSK	1	1	23.16	23.04	23.28
	15	DFT-s OFDM		PI/2 BPSK	1	1	24.71	24.45	24.72
					1	19	24.64	24.61	24.39
					1	36	24.57	24.23	24.25
					18	0	24.18	24.06	24.30
					18	10	24.66	24.85	24.50
					18	20	24.12	24.10	23.94
					36	0	24.17	24.14	24.24
				QPSK	1	1	24.71	24.55	24.73
					1	19	24.71	24.50	24.61
					1	36	24.56	24.74	24.40
					18	0	23.71	23.57	23.36
					18	10	24.66	24.82	24.86
					18	20	23.62	23.38	23.82
					36	0	23.68	23.59	23.53
				16QAM	1	1	23.70	23.46	23.50
				64QAM	1	1	22.30	21.95	22.22
				256QAM	1	1	20.26	20.41	20.22
		CP-OFDM		QPSK	1	1	23.26	23.08	23.07

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	24.80	24.99	24.54
					1	26	24.67	24.40	24.40
					1	49	24.55	24.42	24.54
					25	0	24.22	24.11	24.13
					25	13	24.67	24.74	24.32
					25	26	24.10	23.97	24.29
					50	0	24.12	24.23	23.96
				QPSK	1	1	24.76	24.56	24.88
					1	26	24.67	24.66	24.49
					1	49	24.54	24.27	24.74
					25	0	23.73	23.52	23.87
					25	13	24.68	24.36	24.65
					25	26	23.63	23.82	23.59
					50	0	23.66	23.71	23.36
				16QAM	1	1	23.81	23.63	23.77
				64QAM	1	1	22.13	21.92	22.20
				256QAM	1	1	20.22	20.21	20.07
		CP-OFDM		QPSK	1	1	23.30	23.12	23.16
	25	DFT-s OFDM		PI/2 BPSK	1	1	24.55	24.62	24.71
					1	33	24.55	24.24	24.33
					1	63	24.33	24.29	24.18
					32	0	24.04	24.06	24.19
					32	17	24.44	24.27	24.59
					32	33	23.87	23.83	23.74
					64	0	23.92	24.09	23.86
				QPSK	1	1	24.59	24.48	24.27
					1	33	24.46	24.34	24.15
					1	63	24.34	24.44	24.19
					32	0	23.59	23.41	23.62
					32	17	24.48	24.76	24.24
					32	33	23.34	23.59	23.14
					64	0	23.39	23.45	23.32
				16QAM	1	1	23.68	23.77	23.61
				64QAM	1	1	22.14	22.29	22.09
				256QAM	1	1	20.10	19.97	20.00
		CP-OFDM		QPSK	1	1	23.12	23.13	23.14

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	24.63	24.72	24.72
					1	39	24.58	24.34	24.34
					1	76	24.38	24.28	24.17
					36	0	24.07	24.06	24.18
					36	21	24.50	24.37	24.57
					36	42	23.94	23.88	23.76
					75	0	24.01	24.15	23.92
				QPSK	1	1	24.59	24.50	24.31
					1	39	24.44	24.33	24.20
					1	76	24.37	24.46	24.28
					36	0	23.56	23.40	23.70
					36	21	24.54	24.74	24.30
					36	42	23.42	23.54	23.13
					75	0	23.48	23.53	23.42
				16QAM	1	1	23.67	23.72	23.59
				64QAM	1	1	22.10	22.25	22.17
				256QAM	1	1	20.08	19.99	19.95
		CP-OFDM		QPSK	1	1	23.13	23.15	23.12
	40	DFT-s OFDM		PI/2 BPSK	1	1	24.71	24.78	24.57
					1	53	24.59	24.64	24.83
					1	104	24.40	24.24	24.55
					50	0	24.15	23.84	24.31
					50	28	24.56	24.74	24.80
					50	56	23.97	23.74	24.12
					100	0	24.03	23.89	24.25
				QPSK	1	1	24.70	24.39	24.52
					1	53	24.54	24.66	24.79
					1	104	24.38	24.42	24.51
					50	0	23.63	23.59	23.80
					50	28	24.53	24.72	24.85
					50	56	23.44	23.57	23.64
					100	0	23.50	23.30	23.86
				16QAM	1	1	23.73	23.78	23.62
				64QAM	1	1	22.25	21.96	22.20
				256QAM	1	1	20.23	19.90	20.03
		CP-OFDM		QPSK	1	1	23.21	23.10	23.10

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	24.60	24.39	24.35
					1	67	24.46	24.18	24.92
					1	131	24.34	24.10	24.57
					64	0	24.04	23.86	24.23
					64	35	24.45	24.20	24.85
					64	69	23.89	23.64	24.23
					128	0	23.91	23.69	24.41
				QPSK	1	1	24.57	24.38	24.37
					1	67	24.42	24.17	24.90
					1	131	24.31	24.08	24.51
					64	0	23.54	23.37	23.73
					64	35	24.43	24.20	24.95
					64	69	23.39	23.16	23.73
					128	0	23.43	23.16	23.89
				16QAM	1	1	23.63	23.34	23.47
				64QAM	1	1	22.10	22.03	21.77
				256QAM	1	1	20.06	19.98	19.83
		CP-OFDM		QPSK	1	1	23.05	22.84	22.90
	60	DFT-s OFDM		PI/2 BPSK	1	1	24.75	24.51	24.19
					1	81	24.63	24.52	24.94
					1	160	24.42	24.53	24.56
					81	0	24.14	23.94	23.97
					81	41	24.56	24.50	24.89
					81	81	23.99	23.98	24.25
					162	0	24.00	23.82	24.34
				QPSK	1	1	24.68	24.73	24.18
					1	81	24.58	24.74	24.93
					1	160	24.34	24.39	24.55
					81	0	23.64	23.58	23.48
					81	41	24.56	24.44	24.89
					81	81	23.48	23.59	23.73
					162	0	23.50	23.52	23.83
				16QAM	1	1	23.86	23.69	23.11
				64QAM	1	1	22.11	21.92	21.57
				256QAM	1	1	20.00	20.01	19.70
		CP-OFDM		QPSK	1	1	23.23	23.06	22.69

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	24.67	24.86	24.20
					1	95	24.49	24.46	24.75
					1	187	23.95	23.91	24.17
					90	0	24.04	23.96	23.79
					90	50	24.52	24.63	24.75
					90	99	23.98	24.10	24.31
					180	0	23.96	23.78	24.18
				QPSK	1	1	24.68	24.79	24.16
					1	95	24.41	24.10	24.74
					1	187	23.53	23.64	23.58
					90	0	23.53	23.69	23.27
					90	50	24.51	24.47	24.78
					90	99	23.43	23.47	23.82
					180	0	23.47	23.43	23.67
				16QAM	1	1	23.54	23.43	23.16
				64QAM	1	1	22.36	22.22	21.33
				256QAM	1	1	20.21	20.20	19.73
		CP-OFDM		QPSK	1	1	23.14	23.02	22.65
	80	DFT-s OFDM		PI/2 BPSK	1	1	24.55	24.19	24.23
					1	109	24.48	24.32	24.75
					1	215	24.21	24.04	24.59
					108	0	23.99	24.09	23.87
					108	55	24.49	24.29	24.78
					108	109	23.87	23.73	24.41
					216	0	23.93	23.75	24.19
				QPSK	1	1	24.61	24.21	24.26
					1	109	24.48	24.37	24.82
					1	215	24.19	24.01	24.62
					108	0	23.52	23.56	23.39
					108	55	24.51	24.33	24.77
					108	109	23.47	23.25	23.94
					216	0	23.45	23.24	23.69
				16QAM	1	1	23.67	23.18	23.38
				64QAM	1	1	22.09	21.84	21.76
				256QAM	1	1	20.09	19.73	19.69
		CP-OFDM		QPSK	1	1	23.12	22.67	22.71

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	24.52	24.02	23.97
					1	123	24.31	24.17	24.60
					1	243	24.13	23.94	24.38
					120	0	23.78	23.88	23.85
					120	63	24.27	24.16	24.56
					120	125	23.78	23.59	24.28
					243	0	23.75	23.59	23.96
				QPSK	1	1	24.45	23.98	23.95
					1	123	24.24	24.15	24.59
					1	243	24.09	23.88	24.36
					120	0	23.28	23.40	23.34
					120	63	24.27	24.16	24.57
					120	125	23.27	23.08	23.78
					243	0	23.21	23.10	23.43
				16QAM	1	1	23.46	23.11	23.10
				64QAM	1	1	21.99	21.33	21.33
				256QAM	1	1	20.01	19.36	19.48
		CP-OFDM		QPSK	1	1	23.01	22.61	22.42
	100	DFT-s OFDM		PI/2 BPSK	1	1	23.97	24.13	23.70
					1	137	24.26	24.05	24.29
					1	271	24.00	23.77	24.42
					135	0	23.76	23.90	23.67
					135	69	24.28	24.12	24.29
					135	138	23.66	23.86	24.25
					270	0	23.71	23.56	23.72
				QPSK	1	1	24.40	24.25	23.74
					1	137	24.25	24.06	24.32
					1	271	23.97	23.73	24.43
					135	0	23.22	23.10	23.17
					135	69	24.21	24.35	24.31
					135	138	23.10	22.95	23.75
					270	0	23.13	22.95	23.24
				16QAM	1	1	23.52	23.46	22.83
				64QAM	1	1	22.08	22.26	21.12
				256QAM	1	1	20.02	20.15	19.15
		CP-OFDM		QPSK	1	1	22.83	22.64	22.33

NR Band n77 IC (PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	24.29	24.19	24.34
					1	12	24.24	24.41	24.13
					1	22	24.17	24.04	24.32
					12	0	23.56	23.45	23.73
					12	6	24.08	24.15	23.86
					12	12	23.60	23.59	23.58
					24	0	23.49	23.55	23.32
				QPSK	1	1	24.41	24.23	24.27
					1	12	24.29	24.06	24.36
					1	22	24.04	23.95	23.88
					12	0	23.27	23.31	23.47
					12	6	24.08	24.25	24.27
					12	12	23.01	23.19	22.88
					24	0	23.00	23.02	23.08
				16QAM	1	1	23.01	22.91	23.02
				64QAM	1	1	21.62	21.63	21.72
				256QAM	1	1	19.58	19.66	19.77
		CP-OFDM		QPSK	1	1	22.67	22.85	22.65
	15	DFT-s OFDM		PI/2 BPSK	1	1	24.14	24.21	24.04
					1	19	24.37	24.42	24.50
					1	36	24.29	24.45	24.06
					18	0	23.65	23.70	23.74
					18	10	24.07	23.99	24.23
					18	20	23.81	23.63	23.79
					36	0	23.85	23.94	23.90
				QPSK	1	1	24.16	24.21	24.01
					1	19	24.13	24.04	24.13
					1	36	24.05	24.08	23.89
					18	0	23.35	23.41	23.51
					18	10	24.14	24.02	24.14
					18	20	23.37	23.48	23.48
					36	0	23.00	22.99	22.81
				16QAM	1	1	23.15	23.13	22.99
				64QAM	1	1	21.65	21.51	21.78
				256QAM	1	1	19.56	19.58	19.55
		CP-OFDM		QPSK	1	1	22.71	22.72	22.86

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	24.40	24.27	24.23
					1	26	24.19	24.27	24.02
					1	49	24.36	24.49	24.50
					25	0	23.58	23.41	23.63
					25	13	24.17	24.29	24.12
					25	26	23.91	23.72	24.01
					50	0	23.86	23.83	23.87
				QPSK	1	1	24.39	24.18	24.39
					1	26	24.02	24.05	23.85
					1	49	24.38	24.38	24.40
					25	0	23.29	23.27	23.26
					25	13	24.24	24.35	24.40
					25	26	23.38	23.50	23.43
					50	0	23.05	22.83	23.11
				16QAM	1	1	23.27	23.07	23.28
				64QAM	1	1	21.79	21.92	21.84
				256QAM	1	1	19.83	19.65	19.82
		CP-OFDM		QPSK	1	1	22.95	23.14	22.84
	25	DFT-s OFDM		PI/2 BPSK	1	1	24.37	24.13	24.56
					1	33	24.43	24.18	24.27
					1	63	24.29	24.08	24.10
					32	0	23.88	24.04	23.71
					32	17	24.29	24.56	24.48
					32	33	23.85	23.78	23.78
					64	0	23.92	23.90	23.84
				QPSK	1	1	24.42	24.20	24.46
					1	33	24.46	24.62	24.26
					1	63	24.27	24.09	24.28
					32	0	23.36	23.66	23.30
					32	17	24.48	24.58	24.46
					32	33	23.37	23.33	23.05
					64	0	23.40	23.15	23.49
				16QAM	1	1	23.43	23.44	23.20
				64QAM	1	1	22.00	21.73	22.12
				256QAM	1	1	19.86	20.08	19.74
		CP-OFDM		QPSK	1	1	23.02	22.82	22.99

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	24.44	24.23	24.59
					1	39	24.38	24.22	24.25
					1	76	24.30	24.08	24.18
					36	0	23.95	24.09	23.79
					36	21	24.39	24.58	24.51
					36	42	23.84	23.84	23.75
					75	0	23.90	23.97	23.89
				QPSK	1	1	24.47	24.22	24.45
					1	39	24.45	24.62	24.31
					1	76	24.32	24.14	24.31
					36	0	23.46	23.61	23.27
					36	21	24.46	24.57	24.49
					36	42	23.37	23.28	23.12
					75	0	23.45	23.24	23.52
				16QAM	1	1	23.43	23.43	23.25
				64QAM	1	1	22.03	21.78	22.15
				256QAM	1	1	19.87	20.05	19.81
		CP-OFDM		QPSK	1	1	22.98	22.82	23.01
	40	DFT-s OFDM		PI/2 BPSK	1	1	24.47	24.37	24.31
					1	53	24.36	24.28	24.37
					1	104	24.15	24.06	24.14
					50	0	23.91	24.04	23.76
					50	28	24.37	24.46	24.34
					50	56	23.74	23.79	23.74
					100	0	23.88	23.79	23.84
				QPSK	1	1	24.46	24.35	24.24
					1	53	24.43	24.26	24.59
					1	104	24.12	23.99	23.92
					50	0	23.42	23.52	23.38
					50	28	24.37	24.13	24.12
					50	56	23.27	23.40	23.47
					100	0	23.37	23.16	23.31
				16QAM	1	1	23.39	23.45	23.28
				64QAM	1	1	22.04	21.93	21.92
				256QAM	1	1	19.87	19.98	19.78
		CP-OFDM		QPSK	1	1	22.83	22.95	22.72

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	24.43	24.38	24.21
					1	67	24.40	24.58	24.31
					1	131	24.06	23.91	24.11
					64	0	23.95	24.11	24.10
					64	35	24.39	24.48	24.28
					64	69	23.74	23.88	23.58
					128	0	23.87	23.74	23.68
				QPSK	1	1	24.42	24.36	24.56
					1	67	24.37	24.39	24.15
					1	131	24.05	23.92	23.93
					64	0	23.44	23.34	23.53
					64	35	24.40	24.34	24.42
					64	69	23.25	23.21	23.03
					128	0	23.37	23.49	23.31
				16QAM	1	1	23.51	23.49	23.43
				64QAM	1	1	21.97	22.00	22.10
				256QAM	1	1	19.95	20.12	20.05
		CP-OFDM		QPSK	1	1	23.04	22.89	22.86
	60	DFT-s OFDM		PI/2 BPSK	1	1	24.51	24.69	24.40
					1	81	24.25	24.26	24.24
					1	160	24.54	24.46	24.65
					81	0	24.04	24.05	24.37
					81	41	24.40	24.50	24.24
					81	81	24.06	24.02	23.92
					162	0	23.79	23.97	23.85
				QPSK	1	1	24.48	24.44	24.36
					1	81	24.37	24.42	24.55
					1	160	24.33	24.15	24.50
					81	0	23.33	23.18	23.60
					81	41	24.36	24.49	24.39
					81	81	23.27	23.09	23.42
					162	0	23.26	23.35	23.24
				16QAM	1	1	23.32	23.14	23.53
				64QAM	1	1	21.84	21.64	22.04
				256QAM	1	1	19.87	19.99	19.80
		CP-OFDM		QPSK	1	1	22.88	22.80	22.85

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	24.60	24.37	24.63
					1	95	24.26	24.19	24.46
					1	187	24.20	24.02	24.15
					90	0	23.81	23.62	23.89
					90	50	24.05	24.09	23.81
					90	99	24.07	24.23	23.97
					180	0	23.90	23.74	23.93
				QPSK	1	1	24.25	24.38	24.44
					1	95	24.39	24.31	24.20
					1	187	24.39	24.18	24.54
					90	0	23.48	23.68	23.61
					90	50	24.29	24.16	24.05
					90	99	23.36	23.26	23.37
					180	0	23.11	23.00	22.92
				16QAM	1	1	23.39	23.32	23.25
				64QAM	1	1	21.97	21.73	21.84
				256QAM	1	1	20.00	19.99	19.75
		CP-OFDM		QPSK	1	1	22.91	22.98	22.80
	80	DFT-s OFDM		PI/2 BPSK	1	1	24.22	24.30	24.12
					1	109	24.22	24.17	24.17
					1	215	24.52	24.56	24.52
					108	0	23.83	23.86	23.97
					108	55	24.40	24.54	24.44
					108	109	23.82	23.86	23.76
					216	0	23.61	23.41	23.45
				QPSK	1	1	24.47	24.46	24.60
					1	109	24.43	24.26	24.48
					1	215	24.45	24.37	24.61
					108	0	23.28	23.12	23.21
					108	55	24.06	23.93	24.07
					108	109	23.41	23.33	23.43
					216	0	23.08	22.92	23.02
				16QAM	1	1	23.42	23.62	23.62
				64QAM	1	1	21.97	22.00	21.78
				256QAM	1	1	19.76	19.96	19.54
		CP-OFDM		QPSK	1	1	22.92	22.75	22.91

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	24.42	24.20	24.54
					1	123	24.35	24.10	24.37
					1	243	24.45	24.42	24.59
					120	0	23.91	23.71	23.80
					120	63	24.01	23.94	24.21
					120	125	24.03	24.01	23.99
					243	0	23.65	23.40	23.84
				QPSK	1	1	24.54	24.41	24.30
					1	123	24.21	24.29	24.20
					1	243	24.36	24.36	24.13
					120	0	23.29	23.07	23.20
					120	63	24.14	24.24	23.90
					120	125	23.41	23.19	23.30
					243	0	23.23	23.10	23.26
				16QAM	1	1	23.15	23.17	22.97
				64QAM	1	1	21.78	21.96	21.90
				256QAM	1	1	19.92	19.71	19.98
		CP-OFDM		QPSK	1	1	22.73	22.76	22.62
	100	DFT-s OFDM		PI/2 BPSK	1	1	24.38	24.39	24.24
					1	137	24.33	24.29	24.33
					1	271	24.35	24.27	24.20
					135	0	23.88	23.76	23.70
					135	69	23.91	23.83	24.02
					135	138	23.95	23.95	24.02
					270	0	23.55	23.58	23.68
				QPSK	1	1	24.48	24.64	24.65
					1	137	24.15	24.14	24.31
					1	271	24.33	24.12	24.34
					135	0	23.22	23.17	22.98
					135	69	24.11	24.23	24.04
					135	138	23.38	23.18	23.54
					270	0	23.21	23.10	23.14
				16QAM	1	1	23.10	23.29	22.87
				64QAM	1	1	21.75	21.74	21.55
				256QAM	1	1	19.85	19.83	19.73
		CP-OFDM		QPSK	1	1	22.70	22.77	22.53

NR Band n77 Lower (SRS1 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	12.81	12.84	12.71
					1	12	12.61	12.68	12.57
					1	22	12.65	12.71	12.56
					12	0	11.67	11.68	11.61
					12	6	12.72	12.71	12.56
					12	12	11.65	11.68	11.56
					24	0	11.64	11.69	11.59
				QPSK	1	1	12.83	12.86	12.74
					1	12	12.64	12.72	12.57
					1	22	12.65	12.73	12.60
					12	0	11.70	11.78	11.65
					12	6	12.73	12.76	12.59
					12	12	11.65	11.73	11.59
					24	0	11.68	11.75	11.61
				16QAM	1	1	11.88	11.91	11.78
				64QAM	1	1	9.75	9.81	9.65
				256QAM	1	1	7.77	7.84	7.72
		CP-OFDM		QPSK	1	1	10.78	10.81	10.69
	15	DFT-s OFDM		PI/2 BPSK	1	1	12.85	12.81	12.80
					1	19	12.63	12.69	12.56
					1	36	12.57	12.60	12.56
					18	0	11.72	11.71	11.63
					18	10	12.62	12.69	12.57
					18	20	11.56	11.57	11.56
					36	0	11.63	11.71	11.59
				QPSK	1	1	12.86	12.89	12.80
					1	19	12.65	12.71	12.58
					1	36	12.61	12.66	12.57
					18	0	11.76	11.79	11.65
					18	10	12.64	12.72	12.61
					18	20	11.59	11.67	11.58
					36	0	11.67	11.73	11.62
				16QAM	1	1	11.84	11.90	11.79
				64QAM	1	1	9.75	9.81	9.68
				256QAM	1	1	7.74	7.78	7.66
		CP-OFDM		QPSK	1	1	10.83	10.87	10.76

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.79	11.92	11.89
					1	26	12.66	12.72	12.48
					1	49	12.39	12.59	12.44
					25	0	11.85	11.82	11.64
					25	13	12.59	12.71	12.56
					25	26	11.48	11.64	11.36
					50	0	11.63	11.71	11.44
				QPSK	1	1	12.80	11.95	11.89
					1	26	12.66	12.74	12.50
					1	49	12.38	12.64	12.48
					25	0	11.86	11.86	11.67
					25	13	12.58	12.73	12.56
					25	26	11.49	11.65	11.36
					50	0	11.66	11.73	11.46
				16QAM	1	1	11.76	11.82	11.77
				64QAM	1	1	9.70	9.80	9.67
				256QAM	1	1	7.72	7.82	7.70
		CP-OFDM		QPSK	1	1	10.81	10.82	10.73
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.78	11.93	11.78
					1	33	12.63	12.62	12.44
					1	63	12.38	12.49	12.45
					32	0	11.88	11.89	11.64
					32	17	12.60	12.70	12.52
					32	33	11.46	11.48	11.33
					64	0	11.67	11.70	11.45
				QPSK	1	1	12.79	12.01	11.86
					1	33	12.67	12.71	12.49
					1	63	12.45	12.48	12.44
					32	0	11.78	11.82	11.59
					32	17	12.47	12.77	12.57
					32	33	11.47	11.54	11.29
					64	0	11.54	11.67	11.39
				16QAM	1	1	11.76	11.75	11.72
				64QAM	1	1	9.66	9.75	9.68
				256QAM	1	1	7.75	7.84	7.61
		CP-OFDM		QPSK	1	1	10.72	10.75	10.64

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.78	11.98	11.88
					1	39	12.67	12.70	12.48
					1	76	12.42	12.55	12.48
					36	0	11.86	11.86	11.67
					36	21	12.58	12.70	12.58
					36	42	11.48	11.58	11.37
					75	0	11.65	11.68	11.46
				QPSK	1	1	12.81	11.99	11.90
					1	39	12.66	12.71	12.49
					1	76	12.42	12.58	12.48
					36	0	11.87	11.89	11.66
					36	21	12.57	12.75	12.59
					36	42	11.49	11.62	11.38
					75	0	11.63	11.72	11.43
				16QAM	1	1	11.76	11.85	11.74
				64QAM	1	1	9.67	9.77	9.65
				256QAM	1	1	7.73	7.81	7.69
		CP-OFDM		QPSK	1	1	10.78	10.84	10.70
	40	DFT-s OFDM		PI/2 BPSK	1	1	12.80	11.93	11.91
					1	53	12.70	12.70	12.48
					1	104	12.38	12.54	12.47
					50	0	11.85	11.88	11.65
					50	28	12.57	12.69	12.57
					50	56	11.47	11.55	11.34
					100	0	11.65	11.69	11.47
				QPSK	1	1	12.83	11.97	11.92
					1	53	12.71	12.71	12.52
					1	104	12.43	12.58	12.49
					50	0	11.88	11.90	11.69
					50	28	12.61	12.72	12.60
					50	56	11.52	11.56	11.39
					100	0	11.68	11.70	11.48
				16QAM	1	1	11.76	11.81	11.75
				64QAM	1	1	9.66	9.79	9.66
				256QAM	1	1	7.76	7.81	7.72
		CP-OFDM		QPSK	1	1	10.77	10.85	10.72

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.88	12.85	12.83
					1	67	12.68	12.70	12.56
					1	131	12.43	12.50	12.42
					64	0	11.82	11.82	11.80
					64	35	12.64	12.63	12.59
					64	69	11.47	11.49	11.39
					128	0	11.62	11.62	11.51
				QPSK	1	1	12.88	12.92	12.83
					1	67	12.68	12.73	12.59
					1	131	12.47	12.54	12.45
					64	0	11.84	11.92	11.80
					64	35	12.65	12.73	12.63
					64	69	11.50	11.54	11.41
					128	0	11.62	11.69	11.55
				16QAM	1	1	11.81	11.87	11.78
				64QAM	1	1	9.72	9.81	9.69
				256QAM	1	1	7.78	7.86	7.75
		CP-OFDM		QPSK	1	1	10.82	10.87	10.75
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.85	12.83	12.78
					1	81	12.64	12.68	12.59
					1	160	12.47	12.47	12.39
					81	0	11.88	11.85	11.81
					81	41	12.64	12.71	12.62
					81	81	11.46	11.46	11.43
					162	0	11.60	11.60	11.50
				QPSK	1	1	12.86	12.89	12.81
					1	81	12.65	12.70	12.62
					1	160	12.50	12.53	12.41
					81	0	11.90	11.93	11.83
					81	41	12.66	12.73	12.64
					81	81	11.48	11.54	11.45
					162	0	11.60	11.67	11.54
				16QAM	1	1	11.81	11.87	11.74
				64QAM	1	1	9.80	9.86	9.74
				256QAM	1	1	7.77	7.80	7.71
		CP-OFDM		QPSK	1	1	10.80	10.84	10.71

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	12.81	12.82	12.77
					1	95	12.68	12.69	12.63
					1	187	12.43	12.43	12.40
					90	0	11.87	11.86	11.78
					90	50	12.65	12.63	12.58
					90	99	11.46	11.49	11.43
					180	0	11.60	11.65	11.55
				QPSK	1	1	12.82	12.85	12.78
					1	95	12.69	12.74	12.67
					1	187	12.45	12.52	12.43
					90	0	11.87	11.93	11.82
					90	50	12.65	12.72	12.62
					90	99	11.48	11.51	11.43
					180	0	11.64	11.71	11.59
				16QAM	1	1	11.82	11.87	11.77
				64QAM	1	1	9.72	9.80	9.73
				256QAM	1	1	7.76	7.82	7.74
		CP-OFDM		QPSK	1	1	10.79	10.87	10.76
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.78	12.71	12.72
					1	109	12.66	12.65	12.65
					1	215	12.42	12.43	12.38
					108	0	11.94	11.84	11.86
					108	55	12.66	12.65	12.63
					108	109	11.47	11.42	11.45
					216	0	11.64	11.58	11.58
				QPSK	1	1	12.80	12.79	12.76
					1	109	12.69	12.72	12.68
					1	215	12.42	12.45	12.39
					108	0	11.94	11.93	11.89
					108	55	12.69	12.70	12.63
					108	109	11.48	11.50	11.47
					216	0	11.66	11.66	11.58
				16QAM	1	1	11.81	11.83	11.80
				64QAM	1	1	9.76	9.80	9.74
				256QAM	1	1	7.80	7.83	7.76
		CP-OFDM		QPSK	1	1	10.86	10.87	10.81

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	12.83	12.81	12.76
					1	123	12.56	12.55	12.53
					1	243	12.33	12.34	12.30
					120	0	11.84	11.79	11.74
					120	63	12.60	12.60	12.54
					120	125	11.45	11.39	11.35
					243	0	11.56	11.59	11.49
				QPSK	1	1	12.86	12.87	12.79
					1	123	12.60	12.65	12.54
					1	243	12.35	12.40	12.30
					120	0	11.85	11.87	11.77
					120	63	12.63	12.67	12.55
					120	125	11.46	11.48	11.35
					243	0	11.59	11.63	11.50
				16QAM	1	1	11.81	11.85	11.72
				64QAM	1	1	9.81	9.86	9.76
				256QAM	1	1	7.74	7.80	7.72
		CP-OFDM		QPSK	1	1	10.79	10.82	10.73
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	12.85	-
					1	137	-	12.75	-
					1	271	-	12.42	-
					135	0	-	11.94	-
					135	69	-	12.75	-
					135	138	-	11.56	-
					270	0	-	11.70	-
				QPSK	1	1	-	12.95	-
					1	137	-	12.77	-
					1	271	-	12.41	-
					135	0	-	11.93	-
					135	69	-	12.74	-
					135	138	-	11.54	-
					270	0	-	11.68	-
				16QAM	1	1	-	11.93	-
				64QAM	1	1	-	9.89	-
				256QAM	1	1	-	7.88	-
		CP-OFDM		QPSK	1	1	-	10.89	-

NR Band n77 Lower (SRS2 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	11.88	11.92	11.93
					1	12	11.19	11.27	11.23
					1	22	11.25	11.34	11.33
					12	0	11.23	11.34	11.28
					12	6	11.29	11.38	11.33
					12	12	11.25	11.33	11.28
					24	0	11.21	11.34	11.30
				QPSK	1	1	11.91	12.02	11.95
					1	12	11.21	11.36	11.26
					1	22	11.27	11.42	11.35
					12	0	11.27	11.42	11.31
					12	6	11.33	11.45	11.35
					12	12	11.25	11.38	11.30
					24	0	11.21	11.37	11.30
				16QAM	1	1	11.59	11.70	11.60
				64QAM	1	1	9.49	9.60	9.53
				256QAM	1	1	7.51	7.65	7.54
		CP-OFDM		QPSK	1	1	10.52	10.65	10.58
	15	DFT-s OFDM		PI/2 BPSK	1	1	11.89	11.88	11.94
					1	19	11.37	11.44	11.43
					1	36	12.24	12.28	12.26
					18	0	11.33	11.37	11.39
					18	10	11.27	11.40	11.38
					18	20	11.25	11.26	11.30
					36	0	11.28	11.35	11.28
				QPSK	1	1	11.91	11.98	11.95
					1	19	11.40	11.49	11.44
					1	36	12.25	12.33	12.27
					18	0	11.35	11.45	11.40
					18	10	11.30	11.42	11.38
					18	20	11.27	11.34	11.31
					36	0	11.29	11.37	11.32
				16QAM	1	1	11.59	11.66	11.62
				64QAM	1	1	9.48	9.57	9.52
				256QAM	1	1	7.54	7.65	7.57
		CP-OFDM		QPSK	1	1	10.51	10.58	10.51

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	11.88	11.96	11.93
					1	26	12.18	12.31	12.23
					1	49	12.09	12.25	12.17
					25	0	11.23	11.35	11.30
					25	13	12.21	12.29	12.21
					25	26	11.14	11.25	11.18
					50	0	11.20	11.26	11.24
				QPSK	1	1	11.91	12.04	11.95
					1	26	12.22	12.36	12.25
					1	49	12.13	12.31	12.20
					25	0	11.25	11.41	11.32
					25	13	12.23	12.38	12.24
					25	26	11.17	11.34	11.22
					50	0	11.21	11.36	11.25
				16QAM	1	1	11.58	11.73	11.64
				64QAM	1	1	9.43	9.56	9.42
				256QAM	1	1	7.44	7.59	7.45
		CP-OFDM		QPSK	1	1	10.42	10.58	10.45
	25	DFT-s OFDM		PI/2 BPSK	1	1	11.88	11.93	11.94
					1	33	12.15	12.28	12.17
					1	63	12.09	12.30	12.16
					32	0	11.23	11.39	11.35
					32	17	12.12	12.25	12.19
					32	33	11.00	11.26	11.17
					64	0	11.15	11.23	11.07
				QPSK	1	1	11.85	12.00	11.97
					1	33	12.06	12.29	12.20
					1	63	12.12	12.27	12.09
					32	0	10.21	10.51	10.31
					32	17	12.08	12.31	12.25
					32	33	11.01	11.32	11.04
					64	0	11.12	11.28	11.09
				16QAM	1	1	11.48	11.71	11.48
				64QAM	1	1	9.33	9.51	9.33
				256QAM	1	1	7.39	7.53	7.47
		CP-OFDM		QPSK	1	1	10.39	10.52	10.39

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	11.90	11.97	11.95
					1	39	12.12	12.26	12.18
					1	76	12.12	12.27	12.16
					36	0	11.27	11.47	11.35
					36	21	12.12	12.33	12.22
					36	42	11.07	11.23	11.14
					75	0	11.15	11.33	11.16
				QPSK	1	1	11.91	12.07	11.95
					1	39	12.16	12.35	12.21
					1	76	12.13	12.30	12.18
					36	0	10.31	10.51	10.38
					36	21	12.16	12.36	12.23
					36	42	11.09	11.29	11.14
					75	0	11.15	11.36	11.19
				16QAM	1	1	11.54	11.72	11.58
				64QAM	1	1	9.38	9.55	9.40
				256QAM	1	1	7.45	7.62	7.50
		CP-OFDM		QPSK	1	1	10.38	10.59	10.47
	40	DFT-s OFDM		PI/2 BPSK	1	1	11.79	11.93	11.88
					1	53	11.29	11.45	11.42
					1	104	12.09	12.21	12.21
					50	0	11.34	11.48	11.40
					50	28	12.28	12.41	12.32
					50	56	11.15	11.31	11.19
					100	0	11.24	11.42	11.38
				QPSK	1	1	11.81	11.96	11.89
					1	53	11.32	11.52	11.45
					1	104	12.13	12.29	12.21
					50	0	10.35	10.50	10.43
					50	28	12.30	12.45	12.33
					50	56	11.17	11.33	11.22
					100	0	11.27	11.46	11.38
				16QAM	1	1	11.54	11.69	11.59
				64QAM	1	1	9.43	9.59	9.48
				256QAM	1	1	7.48	7.63	7.54
		CP-OFDM		QPSK	1	1	10.46	10.64	10.55

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.79	12.88	12.80
					1	67	12.17	12.31	12.23
					1	131	12.11	12.28	12.11
					64	0	11.34	11.41	11.31
					64	35	12.20	12.34	12.22
					64	69	11.10	11.26	11.13
					128	0	11.16	11.33	11.20
				QPSK	1	1	12.81	12.94	12.83
					1	67	12.21	12.38	12.25
					1	131	12.15	12.30	12.15
					64	0	10.36	10.50	10.34
					64	35	12.22	12.38	12.22
					64	69	11.12	11.28	11.13
					128	0	11.19	11.35	11.20
				16QAM	1	1	11.54	11.70	11.55
				64QAM	1	1	9.43	9.58	9.43
				256QAM	1	1	7.44	7.62	7.50
		CP-OFDM		QPSK	1	1	10.45	10.59	10.44
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.76	12.82	12.77
					1	81	12.19	12.34	12.27
					1	160	12.19	12.29	12.21
					81	0	11.36	11.49	11.37
					81	41	12.19	12.25	12.24
					81	81	11.13	11.24	11.15
					162	0	11.17	11.26	11.20
				QPSK	1	1	12.78	12.88	12.81
					1	81	12.21	12.36	12.29
					1	160	12.21	12.32	12.25
					81	0	10.36	10.51	10.40
					81	41	12.23	12.35	12.24
					81	81	11.13	11.26	11.18
					162	0	11.20	11.32	11.24
				16QAM	1	1	11.55	11.67	11.60
				64QAM	1	1	9.50	9.63	9.54
				256QAM	1	1	7.47	7.57	7.50
		CP-OFDM		QPSK	1	1	10.55	10.65	10.58

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	12.68	12.74	12.75
					1	95	12.25	12.33	12.27
					1	187	12.14	12.28	12.23
					90	0	11.39	11.47	11.43
					90	50	12.18	12.28	12.30
					90	99	11.14	11.18	11.20
					180	0	11.17	11.32	11.28
				QPSK	1	1	12.71	12.81	12.75
					1	95	12.28	12.39	12.31
					1	187	12.18	12.30	12.23
					90	0	10.43	10.53	10.47
					90	50	12.22	12.37	12.31
					90	99	11.15	11.28	11.22
					180	0	11.20	11.35	11.29
				16QAM	1	1	11.57	11.69	11.62
				64QAM	1	1	9.51	9.63	9.53
				256QAM	1	1	7.45	7.60	7.51
		CP-OFDM		QPSK	1	1	10.53	10.66	10.57
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.67	12.67	12.71
					1	109	12.25	12.29	12.29
					1	215	12.17	12.23	12.22
					108	0	11.38	10.50	11.45
					108	55	12.29	12.31	12.23
					108	109	11.18	11.25	11.19
					216	0	11.23	11.24	11.28
				QPSK	1	1	12.69	12.75	12.71
					1	109	12.28	12.39	12.31
					1	215	12.21	12.29	12.23
					108	0	10.41	10.52	10.48
					108	55	12.30	12.36	12.27
					108	109	11.19	11.27	11.19
					216	0	11.23	11.32	11.28
				16QAM	1	1	11.59	11.67	11.61
				64QAM	1	1	9.54	9.62	9.53
				256QAM	1	1	7.55	7.64	7.57
		CP-OFDM		QPSK	1	1	10.59	10.65	10.59

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	12.65	12.62	12.68
					1	123	12.32	12.34	12.31
					1	243	12.17	12.16	12.20
					120	0	11.38	11.40	11.42
					120	63	12.26	12.31	12.28
					120	125	11.19	11.22	11.19
					243	0	11.23	11.22	11.22
				QPSK	1	1	12.69	12.72	12.71
					1	123	12.34	12.38	12.34
					1	243	12.20	12.23	12.20
					120	0	11.38	11.46	11.44
					120	63	12.27	12.35	12.30
					120	125	11.23	11.28	11.23
					243	0	11.27	11.32	11.26
				16QAM	1	1	11.62	11.66	11.64
				64QAM	1	1	9.59	9.63	9.62
				256QAM	1	1	7.60	7.63	7.61
		CP-OFDM		QPSK	1	1	10.58	10.61	10.55
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	12.71	-
					1	137	-	12.36	-
					1	271	-	12.25	-
					135	0	-	11.42	-
					135	69	-	12.32	-
					135	138	-	11.26	-
					270	0	-	11.30	-
				QPSK	1	1	-	12.72	-
					1	137	-	12.46	-
					1	271	-	12.25	-
					135	0	-	11.40	-
					135	69	-	12.33	-
					135	138	-	11.27	-
					270	0	-	11.32	-
				16QAM	1	1	-	11.75	-
				64QAM	1	1	-	9.65	-
				256QAM	1	1	-	7.67	-
		CP-OFDM		QPSK	1	1	-	10.67	-

NR Band n77 Lower (SRS3 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	16.82	16.74	16.79
					1	12	16.39	16.22	16.21
					1	22	16.36	16.21	16.18
					12	0	15.43	15.23	15.26
					12	6	16.39	16.18	16.22
					12	12	15.77	15.62	15.59
					24	0	15.38	15.15	15.22
				QPSK	1	1	16.75	16.99	16.82
					1	12	16.43	16.24	16.22
					1	22	16.40	16.25	16.22
					12	0	15.47	15.30	15.27
					12	6	16.41	16.26	16.25
					12	12	15.79	15.65	15.60
					24	0	15.42	15.25	15.23
				16QAM	1	1	15.29	15.14	15.11
				64QAM	1	1	14.20	14.06	14.06
				256QAM	1	1	12.24	12.10	12.05
		CP-OFDM		QPSK	1	1	15.24	15.05	15.00
	15	DFT-s OFDM		PI/2 BPSK	1	1	16.02	16.79	16.85
					1	19	16.40	16.16	16.21
					1	36	16.34	16.18	16.20
					18	0	15.50	15.30	15.32
					18	10	16.40	16.22	16.22
					18	20	15.80	15.61	15.56
					36	0	15.45	15.18	15.24
				QPSK	1	1	16.06	16.86	16.87
					1	19	16.42	16.24	16.24
					1	36	16.37	16.22	16.23
					18	0	15.51	15.34	15.34
					18	10	16.40	16.24	16.25
					18	20	15.80	15.63	15.60
					36	0	15.45	15.26	15.26
				16QAM	1	1	15.35	15.17	15.14
				64QAM	1	1	14.22	14.05	14.02
				256QAM	1	1	12.29	12.09	12.09
		CP-OFDM		QPSK	1	1	15.16	15.01	14.97

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	16.06	16.83	16.84
					1	26	16.39	16.23	16.22
					1	49	16.34	16.10	16.14
					25	0	15.50	15.31	15.32
					25	13	16.42	16.17	16.22
					25	26	15.78	15.61	15.58
					50	0	15.37	15.18	15.22
				QPSK	1	1	16.06	16.89	16.87
					1	26	16.40	16.28	16.26
					1	49	16.34	16.20	16.18
					25	0	15.53	15.36	15.33
					25	13	16.43	16.26	16.23
					25	26	15.80	15.64	15.59
					50	0	15.40	15.24	15.22
				16QAM	1	1	15.27	15.13	15.11
				64QAM	1	1	14.22	14.06	14.01
				256QAM	1	1	12.25	12.11	12.09
		CP-OFDM		QPSK	1	1	15.23	15.07	15.02
	25	DFT-s OFDM		PI/2 BPSK	1	1	15.95	16.72	16.83
					1	33	16.30	16.11	16.03
					1	63	16.20	16.03	16.03
					32	0	15.53	15.25	15.38
					32	17	16.37	16.13	16.10
					32	33	15.72	15.61	15.49
					64	0	15.37	15.16	15.24
				QPSK	1	1	16.04	16.86	16.87
					1	33	16.37	16.17	16.18
					1	63	16.31	16.12	16.01
					32	0	15.44	15.38	15.35
					32	17	16.31	16.19	16.19
					32	33	15.76	15.54	15.61
					64	0	15.40	15.22	15.22
				16QAM	1	1	15.23	15.07	15.00
				64QAM	1	1	14.15	13.96	13.90
				256QAM	1	1	12.11	12.10	12.00
		CP-OFDM		QPSK	1	1	15.12	14.99	14.96

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	16.05	16.80	16.85
					1	39	16.32	16.12	16.12
					1	76	16.29	16.06	16.10
					36	0	15.52	15.32	15.36
					36	21	16.39	16.17	16.18
					36	42	15.79	15.58	15.57
					75	0	15.34	15.22	15.21
				QPSK	1	1	16.06	16.90	16.87
					1	39	16.35	16.22	16.16
					1	76	16.31	16.16	16.11
					36	0	15.54	15.41	15.37
					36	21	16.40	16.26	16.18
					36	42	15.79	15.63	15.60
					75	0	15.37	15.26	15.21
				16QAM	1	1	15.25	15.14	15.07
				64QAM	1	1	14.18	14.04	13.98
				256QAM	1	1	12.20	12.08	12.04
		CP-OFDM		QPSK	1	1	15.19	15.08	15.04
	40	DFT-s OFDM		PI/2 BPSK	1	1	16.05	16.80	16.84
					1	53	16.37	16.17	16.22
					1	104	16.30	16.11	16.12
					50	0	15.53	15.34	15.37
					50	28	16.40	16.19	16.19
					50	56	15.74	15.53	15.53
					100	0	15.36	15.24	15.24
				QPSK	1	1	16.06	16.88	16.87
					1	53	16.37	16.24	16.22
					1	104	16.32	16.15	16.13
					50	0	15.57	15.42	15.40
					50	28	16.40	16.27	16.22
					50	56	15.78	15.61	15.56
					100	0	15.39	15.26	15.24
				16QAM	1	1	15.29	15.16	15.11
				64QAM	1	1	14.20	14.06	14.00
				256QAM	1	1	12.22	12.08	12.02
		CP-OFDM		QPSK	1	1	15.26	15.09	15.06

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	16.04	16.78	16.84
					1	67	16.40	16.21	16.22
					1	131	16.28	16.11	16.15
					64	0	15.54	15.33	15.33
					64	35	16.41	16.19	16.22
					64	69	15.73	15.53	15.55
					128	0	15.36	15.20	15.17
				QPSK	1	1	16.06	16.88	16.87
					1	67	16.44	16.30	16.26
					1	131	16.30	16.17	16.15
					64	0	15.57	15.39	15.36
					64	35	16.41	16.26	16.23
					64	69	15.75	15.57	15.55
					128	0	15.38	15.23	15.18
				16QAM	1	1	15.26	15.10	15.05
				64QAM	1	1	14.22	14.09	14.04
				256QAM	1	1	12.28	12.10	12.06
		CP-OFDM		QPSK	1	1	15.22	15.05	15.01
	60	DFT-s OFDM		PI/2 BPSK	1	1	16.91	16.70	16.74
					1	81	16.34	16.15	16.20
					1	160	16.27	16.08	16.13
					81	0	15.52	15.40	15.43
					81	41	16.40	16.19	16.22
					81	81	15.68	15.48	15.45
					162	0	15.30	15.09	15.11
				QPSK	1	1	16.94	16.78	16.77
					1	81	16.37	16.24	16.22
					1	160	16.31	16.16	16.15
					81	0	15.56	15.45	15.44
					81	41	16.40	16.28	16.25
					81	81	15.69	15.54	15.49
					162	0	15.32	15.19	15.14
				16QAM	1	1	15.24	15.11	15.08
				64QAM	1	1	14.21	14.09	14.05
				256QAM	1	1	12.20	12.06	12.04
		CP-OFDM		QPSK	1	1	15.17	15.01	15.00

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	16.79	16.61	16.64
					1	95	16.35	16.22	16.19
					1	187	16.26	16.08	16.08
					90	0	15.56	15.41	15.40
					90	50	16.37	16.16	16.23
					90	99	15.74	15.51	15.54
					180	0	15.37	15.20	15.16
				QPSK	1	1	16.81	16.65	16.64
					1	95	16.35	16.24	16.20
					1	187	16.28	16.12	16.11
					90	0	15.57	15.44	15.43
					90	50	16.41	16.26	16.24
					90	99	15.75	15.59	15.58
					180	0	15.37	15.26	15.20
				16QAM	1	1	15.25	15.09	15.05
				64QAM	1	1	14.14	14.03	14.02
				256QAM	1	1	12.28	12.13	12.08
		CP-OFDM		QPSK	1	1	15.16	15.04	15.02
	80	DFT-s OFDM		PI/2 BPSK	1	1	16.73	16.55	16.53
					1	109	16.32	16.16	16.19
					1	215	16.13	15.93	15.99
					108	0	15.49	15.39	15.36
					108	55	16.36	16.23	16.19
					108	109	15.73	15.50	15.51
					216	0	15.30	15.17	15.15
				QPSK	1	1	16.74	16.58	16.57
					1	109	16.36	16.25	16.22
					1	215	16.16	16.03	16.01
					108	0	15.53	15.41	15.39
					108	55	16.40	16.26	16.20
					108	109	15.74	15.58	15.54
					216	0	15.33	15.21	15.19
				16QAM	1	1	15.25	15.10	15.08
				64QAM	1	1	14.28	14.12	14.08
				256QAM	1	1	12.27	12.11	12.09
		CP-OFDM		QPSK	1	1	15.24	15.10	15.06

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	16.69	16.57	16.48
					1	123	16.28	16.21	16.09
					1	243	16.01	15.91	15.82
					120	0	15.43	15.35	15.27
					120	63	16.23	16.14	16.09
					120	125	15.62	15.58	15.46
					243	0	15.26	15.18	15.04
				QPSK	1	1	16.69	16.63	16.51
					1	123	16.32	16.26	16.13
					1	243	16.01	16.00	15.86
					120	0	15.45	15.40	15.28
					120	63	16.26	16.23	16.11
					120	125	15.63	15.60	15.47
					243	0	15.28	15.22	15.06
				16QAM	1	1	15.16	15.14	14.99
				64QAM	1	1	14.08	14.05	13.89
				256QAM	1	1	12.16	12.11	11.95
		CP-OFDM		QPSK	1	1	15.11	15.07	14.92
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	16.82	-
					1	137	-	16.30	-
					1	271	-	16.14	-
					135	0	-	15.62	-
					135	69	-	16.41	-
					135	138	-	15.85	-
					270	0	-	16.19	-
				QPSK	1	1	-	16.83	-
					1	137	-	16.32	-
					1	271	-	16.16	-
					135	0	-	15.60	-
					135	69	-	16.31	-
					135	138	-	15.82	-
					270	0	-	15.20	-
				16QAM	1	1	-	15.19	-
				64QAM	1	1	-	14.13	-
				256QAM	1	1	-	12.16	-
		CP-OFDM		QPSK	1	1	-	15.11	-

NR Band n77 Upper (SRS1 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	11.93	12.24	11.87
					1	12	12.01	12.24	12.18
					1	22	11.64	12.33	12.38
					12	0	10.68	11.20	10.74
					12	6	12.80	12.25	12.07
					12	12	11.49	11.32	11.62
					24	0	11.71	11.27	11.02
				QPSK	1	1	11.94	12.27	11.93
					1	12	12.04	12.28	12.23
					1	22	11.68	12.38	12.42
					12	0	10.74	11.25	10.80
					12	6	12.84	12.31	12.11
					12	12	11.52	11.34	11.67
					24	0	11.77	11.29	11.04
				16QAM	1	1	11.12	11.01	11.09
				64QAM	1	1	9.96	9.88	10.06
				256QAM	1	1	7.97	7.92	8.07
		CP-OFDM		QPSK	1	1	11.01	10.92	11.06
	15	DFT-s OFDM		PI/2 BPSK	1	1	12.11	12.07	12.09
					1	19	12.11	12.10	12.32
					1	36	11.77	12.23	12.54
					18	0	10.91	11.07	10.91
					18	10	12.06	12.07	12.24
					18	20	11.63	11.09	11.79
					36	0	11.95	11.06	11.15
				QPSK	1	1	12.15	12.08	12.15
					1	19	12.16	12.14	12.35
					1	36	11.80	12.24	12.56
					18	0	10.92	11.08	10.97
					18	10	12.07	12.12	12.28
					18	20	11.69	11.15	11.85
					36	0	11.98	11.10	11.20
				16QAM	1	1	11.05	11.05	11.10
				64QAM	1	1	9.94	9.93	10.01
				256QAM	1	1	8.04	7.91	8.09
		CP-OFDM		QPSK	1	1	11.00	10.97	11.01

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.14	12.03	12.09
					1	26	12.09	12.19	12.24
					1	49	11.59	12.39	12.35
					25	0	10.87	11.05	10.93
					25	13	12.92	12.15	12.17
					25	26	11.51	11.27	11.62
					50	0	11.85	11.12	11.09
				QPSK	1	1	12.19	12.05	12.15
					1	26	12.12	12.20	12.26
					1	49	11.61	12.43	12.36
					25	0	10.90	11.08	10.97
					25	13	12.96	12.21	12.18
					25	26	11.53	11.32	11.68
					50	0	11.90	11.18	11.14
				16QAM	1	1	11.07	11.03	11.10
				64QAM	1	1	10.03	9.86	10.00
				256QAM	1	1	7.99	7.96	8.02
		CP-OFDM		QPSK	1	1	11.04	10.90	11.08
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.03	12.06	12.02
					1	33	11.98	12.23	12.10
					1	63	11.44	12.45	12.26
					32	0	10.76	11.09	10.85
					32	17	12.85	12.13	12.03
					32	33	11.44	11.32	11.63
					64	0	11.79	11.19	11.09
				QPSK	1	1	12.07	12.05	12.05
					1	33	12.00	12.15	12.16
					1	63	11.57	12.43	12.29
					32	0	10.77	11.06	10.87
					32	17	12.88	12.26	12.14
					32	33	11.46	11.31	11.67
					64	0	11.89	11.23	11.08
				16QAM	1	1	11.00	11.06	11.09
				64QAM	1	1	10.00	9.86	9.97
				256QAM	1	1	7.89	7.91	8.10
		CP-OFDM		QPSK	1	1	11.05	10.88	10.96

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.13	12.04	12.11
					1	39	12.02	12.20	12.17
					1	76	11.53	12.46	12.32
					36	0	10.81	11.07	10.86
					36	21	12.89	12.18	12.10
					36	42	11.45	11.32	11.60
					75	0	11.84	11.17	11.09
				QPSK	1	1	12.14	12.07	12.12
					1	39	12.06	12.25	12.23
					1	76	11.56	12.47	12.35
					36	0	10.87	11.11	10.89
					36	21	12.92	12.24	12.15
					36	42	11.49	11.35	11.64
					75	0	11.86	11.20	11.11
				16QAM	1	1	11.07	11.05	11.09
				64QAM	1	1	10.00	9.89	10.07
				256QAM	1	1	7.99	7.90	8.09
		CP-OFDM		QPSK	1	1	11.08	10.96	11.01
	40	DFT-s OFDM		PI/2 BPSK	1	1	12.08	12.03	12.09
					1	53	11.99	12.24	12.13
					1	104	11.47	12.50	12.22
					50	0	10.83	11.08	10.89
					50	28	12.82	12.28	12.05
					50	56	11.35	11.43	11.50
					100	0	11.79	11.20	11.02
				QPSK	1	1	12.13	12.09	12.14
					1	53	12.04	12.28	12.18
					1	104	11.50	12.52	12.25
					50	0	10.87	11.12	10.92
					50	28	12.87	12.30	12.10
					50	56	11.39	11.45	11.56
					100	0	11.83	11.26	11.06
				16QAM	1	1	11.05	10.98	11.10
				64QAM	1	1	9.95	9.85	10.08
				256QAM	1	1	7.98	7.87	8.03
		CP-OFDM		QPSK	1	1	11.01	10.96	11.11

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.10	12.04	12.14
					1	67	12.26	11.98	12.39
					1	131	11.65	12.30	12.41
					64	0	11.06	11.87	11.08
					64	35	12.11	11.98	12.36
					64	69	11.69	11.08	11.89
					128	0	12.05	10.98	11.25
				QPSK	1	1	12.15	12.05	12.16
					1	67	12.30	12.02	12.45
					1	131	11.69	12.33	12.44
					64	0	10.10	11.91	10.14
					64	35	12.16	12.01	12.39
					64	69	11.75	11.12	11.90
					128	0	11.12	11.00	11.29
				16QAM	1	1	11.03	10.96	11.17
				64QAM	1	1	9.94	9.91	10.04
				256QAM	1	1	8.06	7.97	8.08
		CP-OFDM		QPSK	1	1	10.99	10.98	11.11
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.14	12.01	12.16
					1	81	12.22	12.03	12.40
					1	160	11.83	12.12	12.58
					81	0	11.05	10.90	11.04
					81	41	12.11	12.00	12.29
					81	81	11.62	11.20	11.75
					162	0	12.01	10.99	11.24
				QPSK	1	1	12.20	12.04	12.19
					1	81	12.23	12.06	12.41
					1	160	11.88	12.18	12.63
					81	0	11.07	10.95	11.05
					81	41	12.16	12.04	12.35
					81	81	11.63	11.21	11.81
					162	0	11.06	11.02	11.27
				16QAM	1	1	11.11	10.95	11.08
				64QAM	1	1	10.04	9.94	10.09
				256QAM	1	1	8.01	7.96	8.03
		CP-OFDM		QPSK	1	1	11.07	10.99	11.05

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	12.02	12.11	12.03
					1	95	12.32	11.94	12.47
					1	187	11.40	12.61	12.14
					90	0	10.89	11.04	10.92
					90	50	12.21	11.89	12.44
					90	99	10.93	11.87	11.12
					180	0	11.14	11.84	11.41
				QPSK	1	1	12.08	12.13	12.09
					1	95	12.36	11.95	12.51
					1	187	11.42	12.62	12.17
					90	0	10.93	11.05	10.98
					90	50	12.23	11.93	12.45
					90	99	10.95	11.88	11.16
					180	0	11.19	11.89	10.45
				16QAM	1	1	11.12	11.05	11.16
				64QAM	1	1	9.98	9.88	10.03
				256QAM	1	1	8.03	7.96	8.02
		CP-OFDM		QPSK	1	1	11.08	10.93	11.09
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.06	12.07	12.05
					1	109	12.28	11.89	12.46
					1	215	11.64	12.26	12.42
					108	0	10.93	11.00	10.96
					108	55	12.22	12.85	11.46
					108	109	11.06	11.75	11.17
					216	0	11.19	11.81	11.45
				QPSK	1	1	12.09	12.13	12.07
					1	109	12.34	11.95	12.51
					1	215	11.70	12.31	12.48
					108	0	10.96	11.01	11.01
					108	55	12.28	12.91	11.50
					108	109	11.08	11.80	11.20
					216	0	11.24	11.87	10.45
				16QAM	1	1	11.06	10.99	11.17
				64QAM	1	1	9.96	9.93	10.01
				256QAM	1	1	8.00	7.90	8.09
		CP-OFDM		QPSK	1	1	11.03	10.90	11.11

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	12.10	12.08	12.05
					1	123	12.36	11.92	12.52
					1	243	11.91	12.06	12.66
					120	0	10.94	10.95	10.99
					120	63	12.25	12.86	11.47
					120	125	11.18	11.61	11.31
					243	0	11.18	11.81	11.45
				QPSK	1	1	12.13	12.12	12.07
					1	123	12.37	11.95	12.54
					1	243	11.94	12.10	12.67
					120	0	10.98	11.01	11.03
					120	63	12.26	12.90	11.48
					120	125	11.22	11.62	11.37
					243	0	11.22	11.86	10.48
				16QAM	1	1	11.04	10.98	11.10
				64QAM	1	1	10.04	9.93	10.04
				256QAM	1	1	8.00	7.90	8.03
		CP-OFDM		QPSK	1	1	11.03	10.98	11.08
	100	DFT-s OFDM		PI/2 BPSK	1	1	12.18	12.05	12.20
					1	137	11.99	12.34	12.18
					1	271	12.03	12.00	12.80
					135	0	12.00	12.01	12.06
					135	69	12.91	12.31	12.14
					135	138	12.44	11.44	11.56
					270	0	11.87	11.25	12.09
				QPSK	1	1	12.49	12.06	12.97
					1	137	12.00	12.32	12.19
					1	271	12.05	12.01	12.81
					135	0	11.02	11.00	11.05
					135	69	12.90	12.30	12.13
					135	138	11.42	11.46	11.58
					270	0	11.87	11.24	11.10
				16QAM	1	1	11.12	11.05	11.18
				64QAM	1	1	10.04	9.95	10.10
				256QAM	1	1	8.06	7.97	8.10
		CP-OFDM		QPSK	1	1	11.09	11.00	11.11

NR Band n77 Upper (SRS2 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	12.34	12.29	12.55
					1	12	12.70	12.31	12.79
					1	22	11.64	12.38	11.95
					12	0	12.30	11.25	11.37
					12	6	12.57	12.31	12.70
					12	12	12.43	11.30	12.24
					24	0	11.51	11.25	11.68
				QPSK	1	1	12.38	12.31	12.60
					1	12	12.72	12.35	12.84
					1	22	11.65	12.41	11.97
					12	0	11.32	11.29	11.43
					12	6	12.63	12.33	12.76
					12	12	11.44	11.35	11.30
					24	0	11.57	11.31	11.71
				16QAM	1	1	10.87	11.06	11.64
				64QAM	1	1	9.87	10.03	9.60
				256QAM	1	1	7.81	8.05	7.61
		CP-OFDM		QPSK	1	1	10.90	11.06	10.60
	15	DFT-s OFDM		PI/2 BPSK	1	1	12.36	12.28	12.57
					1	19	12.91	12.08	12.01
					1	36	11.52	12.46	11.83
					18	0	12.27	11.26	11.39
					18	10	12.51	12.32	12.66
					18	20	12.36	11.39	12.18
					36	0	11.55	11.30	11.64
				QPSK	1	1	12.42	12.30	12.59
					1	19	12.93	12.14	12.96
					1	36	11.54	12.50	11.89
					18	0	11.32	11.30	11.45
					18	10	12.57	12.37	12.69
					18	20	11.37	11.40	11.21
					36	0	11.56	11.34	11.69
				16QAM	1	1	10.90	11.07	11.68
				64QAM	1	1	9.87	9.99	9.62
				256QAM	1	1	7.82	8.00	7.62
		CP-OFDM		QPSK	1	1	10.82	11.01	10.64

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.36	12.29	12.57
					1	26	12.60	12.40	12.69
					1	49	12.36	12.57	11.78
					25	0	12.26	11.28	11.38
					25	13	12.55	12.34	12.61
					25	26	12.28	11.39	12.09
					50	0	12.47	11.34	11.62
				QPSK	1	1	12.37	12.30	12.63
					1	26	12.65	12.43	12.71
					1	49	12.42	12.60	11.79
					25	0	11.32	11.31	11.39
					25	13	12.59	12.39	12.66
					25	26	11.30	11.45	11.15
					50	0	11.52	11.38	11.66
				16QAM	1	1	10.96	11.05	11.67
				64QAM	1	1	9.92	9.97	9.58
				256QAM	1	1	7.90	8.01	7.56
		CP-OFDM		QPSK	1	1	10.82	11.08	10.59
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.34	12.21	12.53
					1	33	12.48	12.36	12.64
					1	63	12.15	12.72	11.58
					32	0	12.26	11.32	11.34
					32	17	12.35	12.39	12.44
					32	33	12.14	11.51	12.01
					64	0	12.42	11.44	11.49
				QPSK	1	1	12.34	12.27	12.62
					1	33	12.60	12.54	12.60
					1	63	12.27	12.80	11.59
					32	0	11.28	11.24	11.30
					32	17	12.47	12.45	12.58
					32	33	11.16	11.63	11.05
					64	0	11.37	11.43	11.58
				16QAM	1	1	10.94	11.10	11.62
				64QAM	1	1	9.86	10.06	9.48
				256QAM	1	1	7.89	7.98	7.56
		CP-OFDM		QPSK	1	1	10.87	10.96	10.61

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.37	12.27	12.58
					1	39	12.54	12.46	12.61
					1	76	12.23	12.73	11.62
					36	0	12.30	11.31	11.31
					36	21	12.42	12.47	12.52
					36	42	12.14	11.55	12.00
					75	0	12.43	11.44	11.52
				QPSK	1	1	12.38	12.30	12.59
					1	39	12.57	12.52	12.65
					1	76	12.27	12.78	11.63
					36	0	11.31	11.34	11.37
					36	21	12.46	12.50	12.58
					36	42	11.18	11.60	11.04
					75	0	11.47	11.45	11.56
				16QAM	1	1	10.94	11.08	11.60
				64QAM	1	1	9.87	10.07	9.58
				256QAM	1	1	7.87	8.05	7.64
		CP-OFDM		QPSK	1	1	10.85	11.03	10.62
	40	DFT-s OFDM		PI/2 BPSK	1	1	12.37	12.27	12.61
					1	53	12.53	12.50	12.54
					1	104	12.23	12.75	11.53
					50	0	12.21	11.35	11.30
					50	28	12.33	12.56	12.48
					50	56	11.95	11.68	11.88
					100	0	12.37	11.48	11.46
				QPSK	1	1	12.38	12.29	12.62
					1	53	12.54	12.56	12.58
					1	104	12.27	12.80	11.57
					50	0	11.22	11.38	11.35
					50	28	12.35	12.59	12.50
					50	56	11.01	11.74	11.90
					100	0	11.41	11.51	11.51
				16QAM	1	1	10.87	11.07	11.64
				64QAM	1	1	9.90	10.02	9.56
				256QAM	1	1	7.84	8.04	7.60
		CP-OFDM		QPSK	1	1	10.80	11.03	10.55

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.52	12.15	12.72
					1	67	12.86	12.20	12.89
					1	131	12.40	12.53	11.79
					64	0	12.49	11.06	11.61
					64	35	12.76	12.20	12.84
					64	69	12.41	11.30	12.29
					128	0	11.65	11.15	11.79
				QPSK	1	1	12.56	12.16	12.77
					1	67	12.89	12.22	12.92
					1	131	12.45	12.57	11.83
					64	0	11.55	11.07	11.63
					64	35	12.77	12.21	12.87
					64	69	11.47	11.32	11.32
					128	0	11.69	11.20	11.82
				16QAM	1	1	10.90	11.15	11.66
				64QAM	1	1	9.91	9.97	9.60
				256QAM	1	1	7.85	8.01	7.62
		CP-OFDM		QPSK	1	1	10.83	11.09	10.56
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.50	12.12	12.69
					1	81	12.76	12.27	12.80
					1	160	12.27	12.73	11.58
					81	0	12.47	11.06	11.53
					81	41	12.66	12.23	12.77
					81	81	12.25	11.42	12.14
					162	0	11.61	11.21	11.78
				QPSK	1	1	12.54	12.16	12.74
					1	81	12.82	12.29	12.86
					1	160	12.29	12.75	11.61
					81	0	11.51	11.12	11.58
					81	41	12.71	12.26	12.83
					81	81	11.30	11.45	11.19
					162	0	11.65	11.24	11.80
				16QAM	1	1	10.89	11.10	11.62
				64QAM	1	1	9.92	9.99	9.54
				256QAM	1	1	7.83	8.03	7.61
		CP-OFDM		QPSK	1	1	10.87	11.03	10.58

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	12.47	12.10	12.73
					1	95	12.70	12.32	12.81
					1	187	12.17	12.75	11.58
					90	0	12.48	11.10	11.54
					90	50	12.59	12.26	12.70
					90	99	12.11	11.56	11.99
					180	0	11.61	11.26	11.69
				QPSK	1	1	12.53	12.15	12.79
					1	95	12.73	12.33	12.83
					1	187	12.23	12.80	11.61
					90	0	11.49	11.11	11.59
					90	50	12.61	12.32	12.75
					90	99	11.16	11.61	11.01
					180	0	11.64	11.28	11.72
				16QAM	1	1	10.90	11.09	11.66
				64QAM	1	1	9.85	9.98	9.61
				256QAM	1	1	7.91	8.03	7.62
		CP-OFDM		QPSK	1	1	10.83	11.01	10.63
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.46	12.12	12.75
					1	109	12.65	12.42	12.72
					1	215	12.33	12.68	11.62
					108	0	12.45	11.12	11.56
					108	55	12.59	12.34	12.67
					108	109	12.03	11.65	11.87
					216	0	11.58	11.29	11.67
				QPSK	1	1	12.52	12.17	12.76
					1	109	12.67	12.43	12.76
					1	215	12.35	12.71	11.67
					108	0	11.47	11.15	11.58
					108	55	12.61	12.37	12.73
					108	109	11.07	11.71	11.90
					216	0	11.59	11.33	11.68
				16QAM	1	1	10.97	11.06	11.69
				64QAM	1	1	9.84	9.98	9.60
				256QAM	1	1	7.88	8.05	7.54
		CP-OFDM		QPSK	1	1	10.90	11.04	10.55

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	12.50	12.14	12.74
					1	123	12.52	12.51	12.62
					1	243	11.55	12.44	11.91
					120	0	12.44	11.15	11.56
					120	63	12.48	12.43	12.58
					120	125	11.94	11.75	11.87
					243	0	12.46	11.39	11.61
				QPSK	1	1	12.54	12.17	12.75
					1	123	12.56	12.52	12.64
					1	243	11.60	12.47	11.93
					120	0	11.47	11.18	11.57
					120	63	12.52	12.45	12.61
					120	125	11.98	11.76	11.89
					243	0	11.49	11.40	11.64
				16QAM	1	1	10.94	11.12	11.70
				64QAM	1	1	9.82	10.03	9.58
				256QAM	1	1	7.84	8.01	7.61
		CP-OFDM		QPSK	1	1	10.80	11.03	10.63
	100	DFT-s OFDM		PI/2 BPSK	1	1	12.52	12.19	12.71
					1	137	12.51	12.61	12.63
					1	271	11.76	12.30	12.13
					135	0	12.44	12.22	11.54
					135	69	12.45	12.56	12.57
					135	138	12.07	11.72	11.96
					270	0	12.41	11.49	11.53
				QPSK	1	1	12.51	12.21	12.98
					1	137	12.53	12.58	12.61
					1	271	11.78	12.29	12.12
					135	0	11.42	11.23	11.52
					135	69	12.43	12.55	12.55
					135	138	11.09	11.70	11.95
					270	0	11.43	11.50	11.55
				16QAM	1	1	10.97	11.15	11.70
				64QAM	1	1	9.92	10.07	9.63
				256QAM	1	1	7.91	8.10	7.64
		CP-OFDM		QPSK	1	1	10.90	11.10	10.65

NR Band n77 Upper (SRS3 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	15.94	16.56	16.91
					1	12	16.61	16.61	16.17
					1	22	15.88	16.63	15.91
					12	0	15.64	15.56	15.48
					12	6	16.67	16.61	16.33
					12	12	14.80	15.65	15.14
					24	0	15.66	15.58	15.01
				QPSK	1	1	15.97	16.60	16.96
					1	12	16.67	16.63	16.21
					1	22	15.92	16.64	15.97
					12	0	15.70	15.57	15.51
					12	6	16.69	16.62	16.35
					12	12	14.83	15.66	15.20
					24	0	15.67	15.62	15.02
				16QAM	1	1	14.96	15.61	15.12
				64QAM	1	1	13.85	13.54	14.04
				256QAM	1	1	11.97	11.62	12.07
		CP-OFDM		QPSK	1	1	14.83	14.60	14.96
	15	DFT-s OFDM		PI/2 BPSK	1	1	15.93	16.52	16.92
					1	19	16.61	16.65	16.12
					1	36	15.85	16.68	15.86
					18	0	15.71	15.59	15.41
					18	10	16.58	16.65	16.23
					18	20	14.76	15.63	15.16
					36	0	15.63	15.57	14.96
				QPSK	1	1	15.99	16.58	16.98
					1	19	16.66	16.68	16.13
					1	36	15.87	16.70	15.92
					18	0	15.72	15.60	15.46
					18	10	16.61	16.67	16.25
					18	20	14.82	15.68	15.18
					36	0	15.68	15.60	15.02
				16QAM	1	1	14.97	15.53	15.12
				64QAM	1	1	13.86	13.54	14.10
				256QAM	1	1	12.04	11.58	12.10
		CP-OFDM		QPSK	1	1	14.85	14.57	15.05

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	15.92	16.56	16.94
					1	26	16.65	16.58	16.19
					1	49	15.80	16.72	15.88
					25	0	15.68	15.59	15.43
					25	13	16.56	16.60	16.27
					25	26	14.81	15.62	15.12
					50	0	15.62	15.58	14.96
				QPSK	1	1	15.98	16.59	16.95
					1	26	16.68	16.64	16.20
					1	49	15.81	16.73	15.91
					25	0	15.69	15.60	15.49
					25	13	16.62	16.65	16.31
					25	26	14.84	15.66	15.17
					50	0	15.63	15.62	15.00
				16QAM	1	1	15.01	15.59	15.15
				64QAM	1	1	13.90	13.62	14.06
				256QAM	1	1	12.00	11.60	12.05
		CP-OFDM		QPSK	1	1	14.85	14.58	15.03
	25	DFT-s OFDM		PI/2 BPSK	1	1	15.85	16.46	16.83
					1	33	16.66	16.60	16.11
					1	63	15.74	16.55	15.83
					32	0	15.69	15.52	15.43
					32	17	16.59	16.56	16.20
					32	33	14.75	15.64	15.08
					64	0	15.59	15.60	14.97
				QPSK	1	1	15.90	16.57	16.94
					1	33	16.74	16.54	16.19
					1	63	15.87	16.64	15.93
					32	0	15.76	15.50	15.51
					32	17	16.68	16.63	16.24
					32	33	14.86	15.59	15.12
					64	0	15.58	15.55	15.03
				16QAM	1	1	14.93	15.64	15.01
				64QAM	1	1	13.88	13.52	14.09
				256QAM	1	1	12.00	11.52	11.97
		CP-OFDM		QPSK	1	1	14.75	14.42	14.92

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	15.92	16.52	16.90
					1	39	16.67	16.58	16.15
					1	76	15.82	16.65	15.93
					36	0	15.67	15.55	15.50
					36	21	16.63	16.60	16.25
					36	42	14.79	15.62	15.15
					75	0	15.64	15.59	14.94
				QPSK	1	1	15.97	16.58	16.95
					1	39	16.72	16.62	16.19
					1	76	15.84	16.71	15.94
					36	0	15.73	15.58	15.51
					36	21	16.65	16.66	16.29
					36	42	14.83	15.66	15.19
					75	0	15.65	15.62	15.00
				16QAM	1	1	14.99	15.62	15.07
				64QAM	1	1	13.90	13.59	14.11
				256QAM	1	1	12.05	11.53	12.07
		CP-OFDM		QPSK	1	1	14.85	14.50	14.97
	40	DFT-s OFDM		PI/2 BPSK	1	1	16.10	16.43	16.11
					1	53	16.63	16.63	16.07
					1	104	16.35	16.09	16.42
					50	0	15.44	15.74	15.21
					50	28	16.47	16.76	16.05
					50	56	15.05	15.39	15.39
					100	0	16.03	15.12	15.40
				QPSK	1	1	16.12	16.44	16.12
					1	53	16.65	16.69	16.13
					1	104	16.40	16.15	16.48
					50	0	15.48	15.80	15.26
					50	28	16.50	16.82	16.10
					50	56	15.11	15.40	15.43
					100	0	15.07	15.18	15.45
				16QAM	1	1	15.01	15.58	15.07
				64QAM	1	1	13.94	13.62	14.12
				256QAM	1	1	12.02	11.54	12.06
		CP-OFDM		QPSK	1	1	14.87	14.52	14.99

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	16.03	16.51	16.96
					1	67	16.67	16.60	16.17
					1	131	15.89	16.62	15.95
					64	0	15.78	15.49	15.49
					64	35	16.67	16.59	16.31
					64	69	14.77	15.70	15.05
					128	0	15.60	15.56	14.97
				QPSK	1	1	16.04	16.55	16.97
					1	67	16.71	16.63	16.19
					1	131	15.92	16.64	15.97
					64	0	15.79	15.53	15.52
					64	35	16.68	16.60	16.37
					64	69	14.80	15.73	15.10
					128	0	15.63	15.61	15.01
				16QAM	1	1	15.00	15.59	15.10
				64QAM	1	1	13.92	13.58	14.04
				256QAM	1	1	11.98	11.52	12.12
		CP-OFDM		QPSK	1	1	14.84	14.59	14.97
	60	DFT-s OFDM		PI/2 BPSK	1	1	15.91	16.55	16.90
					1	81	16.70	16.57	16.22
					1	160	15.84	16.69	15.91
					81	0	15.70	15.51	15.55
					81	41	16.75	16.49	16.36
					81	81	14.78	15.66	15.13
					162	0	15.60	15.60	15.01
				QPSK	1	1	15.95	16.60	16.93
					1	81	16.74	16.58	16.24
					1	160	15.85	16.70	15.92
					81	0	15.76	15.54	15.56
					81	41	16.76	16.54	16.42
					81	81	14.84	15.68	15.19
					162	0	15.64	15.62	15.03
				16QAM	1	1	15.04	15.59	15.11
				64QAM	1	1	13.92	13.62	14.06
				256QAM	1	1	11.95	11.59	12.06
		CP-OFDM		QPSK	1	1	14.81	14.55	15.01

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	15.92	16.58	16.92
					1	95	16.77	16.52	16.25
					1	187	15.86	16.61	15.98
					90	0	15.69	15.53	15.51
					90	50	16.70	16.50	16.34
					90	99	14.83	15.62	15.15
					180	0	15.70	15.48	15.09
				QPSK	1	1	15.96	16.60	16.96
					1	95	16.80	16.55	16.26
					1	187	15.90	16.63	16.00
					90	0	15.70	15.58	15.52
					90	50	16.73	16.56	16.38
					90	99	14.85	15.66	15.19
					180	0	15.71	15.53	15.12
				16QAM	1	1	14.95	15.61	15.13
				64QAM	1	1	13.88	13.60	14.03
				256QAM	1	1	12.01	11.52	12.13
		CP-OFDM		QPSK	1	1	14.90	14.56	15.03
	80	DFT-s OFDM		PI/2 BPSK	1	1	15.89	16.58	16.90
					1	109	16.60	16.64	16.11
					1	215	16.12	16.39	16.18
					108	0	15.73	15.48	15.50
					108	55	16.74	16.56	16.29
					108	109	14.75	15.66	15.16
					216	0	15.70	15.49	15.09
				QPSK	1	1	15.95	16.61	16.92
					1	109	16.65	16.68	16.15
					1	215	16.15	16.40	16.22
					108	0	15.79	15.53	15.53
					108	55	16.75	16.57	16.35
					108	109	14.80	15.68	15.17
					216	0	15.74	15.50	15.15
				16QAM	1	1	14.96	15.60	15.13
				64QAM	1	1	13.89	13.54	14.12
				256QAM	1	1	12.02	11.58	12.06
		CP-OFDM		QPSK	1	1	14.89	14.55	15.03

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	15.96	16.53	16.91
					1	123	16.67	16.58	16.17
					1	243	15.57	16.93	15.60
					120	0	15.74	15.51	15.46
					120	63	16.63	16.59	16.31
					120	125	14.87	15.60	15.19
					243	0	15.70	15.49	15.04
				QPSK	1	1	15.99	16.59	16.93
					1	123	16.72	16.60	16.19
					1	243	15.60	16.97	15.65
					120	0	15.75	15.56	15.52
					120	63	16.68	16.60	16.33
					120	125	14.89	15.62	15.21
					243	0	15.71	15.53	15.09
				16QAM	1	1	15.02	15.59	15.14
				64QAM	1	1	13.90	13.61	14.11
				256QAM	1	1	12.01	11.54	12.06
		CP-OFDM		QPSK	1	1	14.88	14.56	15.05
	100	DFT-s OFDM		PI/2 BPSK	1	1	15.98	16.60	16.94
					1	137	16.70	16.61	16.23
					1	271	16.23	16.35	16.31
					135	0	15.85	15.52	15.59
					135	69	16.67	16.65	16.28
					135	138	16.00	15.51	16.37
					270	0	15.66	15.62	16.01
				QPSK	1	1	15.97	16.62	16.95
					1	137	16.72	16.63	16.21
					1	271	16.25	16.32	16.34
					135	0	15.82	15.50	15.60
					135	69	16.65	16.67	16.30
					135	138	15.00	15.53	15.34
					270	0	15.66	15.63	15.02
				16QAM	1	1	15.05	15.63	15.15
				64QAM	1	1	13.94	13.62	14.12
				256QAM	1	1	12.05	11.62	12.13
		CP-OFDM		QPSK	1	1	14.90	14.60	15.05

NR Band n77 IC (SRS1 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	12.09	12.82	12.18
					1	12	12.03	12.16	12.01
					1	22	11.54	12.37	12.27
					12	0	12.16	12.10	11.53
					12	6	12.86	12.04	12.75
					12	12	11.72	11.64	11.53
					24	0	11.96	11.88	11.72
				QPSK	1	1	12.15	12.05	12.29
					1	12	12.04	12.02	11.83
					1	22	11.57	12.10	12.23
					12	0	11.25	11.01	11.32
					12	6	12.05	12.03	12.94
					12	12	11.72	11.02	11.56
					24	0	11.81	11.02	11.96
				16QAM	1	1	12.00	11.48	11.24
				64QAM	1	1	10.12	10.28	10.29
				256QAM	1	1	8.09	8.34	8.37
		CP-OFDM		QPSK	1	1	10.99	11.45	11.19
	15	DFT-s OFDM		PI/2 BPSK	1	1	12.05	12.82	12.18
					1	19	11.95	12.17	12.01
					1	36	11.64	12.49	12.30
					18	0	12.19	12.07	12.33
					18	10	11.98	11.97	11.89
					18	20	11.66	11.69	11.59
					36	0	11.96	12.00	11.72
				QPSK	1	1	12.14	12.02	12.21
					1	19	12.04	12.07	11.77
					1	36	11.61	12.16	12.24
					18	0	11.12	11.98	11.53
					18	10	12.83	12.07	12.70
					18	20	11.71	11.12	11.76
					36	0	11.80	11.04	11.85
				16QAM	1	1	11.13	11.43	11.25
				64QAM	1	1	10.06	10.39	10.22
				256QAM	1	1	8.15	8.34	8.25
		CP-OFDM		QPSK	1	1	10.95	11.34	11.19

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.01	12.82	12.39
					1	26	11.94	11.99	11.97
					1	49	11.62	12.46	12.39
					25	0	12.19	12.06	11.52
					25	13	12.84	12.10	12.87
					25	26	11.64	11.75	11.55
					50	0	11.86	12.07	11.77
				QPSK	1	1	12.19	12.50	12.37
					1	26	12.03	12.08	11.96
					1	49	11.71	12.29	12.29
					25	0	11.07	11.96	11.31
					25	13	12.88	12.07	12.92
					25	26	11.72	11.14	11.64
					50	0	11.02	11.08	11.79
				16QAM	1	1	11.98	11.36	11.24
				64QAM	1	1	9.97	10.38	10.18
				256QAM	1	1	7.98	8.40	8.21
		CP-OFDM		QPSK	1	1	11.06	11.37	11.16
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.07	12.58	12.14
					1	33	11.83	12.03	11.93
					1	63	11.47	12.29	12.34
					32	0	12.18	11.93	12.29
					32	17	12.91	12.02	12.79
					32	33	11.65	11.64	11.67
					64	0	11.90	12.05	11.59
				QPSK	1	1	11.91	12.04	12.36
					1	33	11.84	11.95	11.94
					1	63	11.58	12.24	12.14
					32	0	11.10	11.01	11.52
					32	17	12.96	12.10	12.81
					32	33	11.62	11.09	11.57
					64	0	11.91	11.98	11.76
				16QAM	1	1	11.01	11.45	11.32
				64QAM	1	1	9.86	10.20	10.19
				256QAM	1	1	8.05	8.25	8.35
		CP-OFDM		QPSK	1	1	11.01	11.36	11.32

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.14	12.64	12.23
					1	39	11.83	12.12	11.91
					1	76	11.48	12.36	12.38
					36	0	12.23	12.02	12.36
					36	21	12.89	12.02	12.79
					36	42	11.62	11.65	11.74
					75	0	11.97	12.07	11.69
				QPSK	1	1	12.01	12.12	12.42
					1	39	11.84	12.03	11.98
					1	76	11.67	12.32	12.17
					36	0	11.12	11.03	11.54
					36	21	12.95	12.12	12.84
					36	42	11.72	11.11	11.65
					75	0	11.96	12.00	11.75
				16QAM	1	1	11.09	11.49	11.30
				64QAM	1	1	9.92	10.25	10.21
				256QAM	1	1	8.10	8.32	8.36
		CP-OFDM		QPSK	1	1	10.98	11.45	11.33
	40	DFT-s OFDM		PI/2 BPSK	1	1	12.08	12.83	12.19
					1	53	12.02	11.97	11.91
					1	104	11.61	12.58	12.22
					50	0	12.07	12.26	12.45
					50	28	12.81	12.17	12.70
					50	56	11.61	11.62	11.69
					100	0	11.94	12.02	11.78
				QPSK	1	1	11.99	12.10	12.26
					1	53	11.85	12.15	11.89
					1	104	11.56	12.59	12.25
					50	0	11.10	11.04	11.43
					50	28	12.90	12.09	12.89
					50	56	11.64	11.31	11.71
					100	0	11.79	11.06	11.83
				16QAM	1	1	11.12	11.49	11.25
				64QAM	1	1	9.92	10.36	10.21
				256QAM	1	1	8.06	8.34	8.16
		CP-OFDM		QPSK	1	1	11.00	11.22	11.34

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.09	12.68	12.38
					1	67	11.97	12.00	11.78
					1	131	11.62	12.54	12.31
					64	0	12.23	12.19	12.34
					64	35	12.80	12.79	12.86
					64	69	11.82	11.73	11.74
					128	0	11.97	12.07	11.91
				QPSK	1	1	12.14	12.44	12.39
					1	67	12.01	12.18	11.93
					1	131	11.48	12.09	12.32
					64	0	11.01	11.36	11.31
					64	35	12.92	12.17	12.75
					64	69	11.80	11.02	11.56
					128	0	11.87	11.19	11.95
				16QAM	1	1	11.04	11.42	11.41
				64QAM	1	1	9.95	10.27	10.29
				256QAM	1	1	8.11	8.41	8.31
		CP-OFDM		QPSK	1	1	11.02	11.33	11.38
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.11	12.68	12.30
					1	81	11.84	12.07	11.87
					1	160	11.68	12.50	12.40
					81	0	12.19	12.13	12.48
					81	41	11.99	12.10	12.78
					81	81	11.78	11.73	11.55
					162	0	11.85	11.96	11.69
				QPSK	1	1	12.15	12.46	12.31
					1	81	11.81	12.13	11.96
					1	160	11.52	12.32	12.31
					81	0	11.17	11.33	11.38
					81	41	12.02	12.10	12.86
					81	81	11.66	11.99	11.59
					162	0	11.78	11.09	11.80
				16QAM	1	1	11.06	11.46	11.28
				64QAM	1	1	10.03	10.21	10.23
				256QAM	1	1	7.97	8.26	8.29
		CP-OFDM		QPSK	1	1	11.05	11.29	11.33

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	11.96	12.61	12.19
					1	95	12.01	12.17	11.87
					1	187	11.50	12.52	12.20
					90	0	12.06	12.16	12.31
					90	50	12.80	12.09	12.89
					90	99	11.81	11.74	11.75
					180	0	11.89	11.92	11.69
				QPSK	1	1	12.02	12.45	12.40
					1	95	11.87	12.06	11.87
					1	187	11.48	12.56	12.34
					90	0	11.03	11.30	11.47
					90	50	12.89	12.02	12.90
					90	99	11.70	11.12	11.71
					180	0	11.94	11.03	11.71
				16QAM	1	1	11.97	11.34	11.42
				64QAM	1	1	9.94	10.24	10.32
				256QAM	1	1	7.92	8.45	8.26
		CP-OFDM		QPSK	1	1	10.99	11.21	11.16
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.15	12.82	12.34
					1	109	11.87	12.02	11.98
					1	215	11.65	12.44	12.23
					108	0	12.22	12.03	11.53
					108	55	12.81	12.03	12.80
					108	109	11.81	11.54	11.78
					216	0	12.01	12.09	11.88
				QPSK	1	1	12.18	12.45	12.25
					1	109	11.94	12.03	11.80
					1	215	11.57	12.68	12.29
					108	0	11.10	11.25	11.50
					108	55	12.95	12.01	12.87
					108	109	11.84	11.30	11.65
					216	0	11.91	11.96	11.88
				16QAM	1	1	11.05	11.29	11.40
				64QAM	1	1	10.12	10.32	10.19
				256QAM	1	1	8.10	8.40	8.19
		CP-OFDM		QPSK	1	1	11.11	11.43	11.18

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	11.97	12.67	12.30
					1	123	11.82	12.03	11.96
					1	243	11.69	12.49	12.29
					120	0	12.05	12.22	12.47
					120	63	12.92	12.05	12.78
					120	125	11.78	11.54	11.60
					243	0	11.81	12.07	11.86
				QPSK	1	1	12.14	12.45	12.20
					1	123	12.02	12.04	11.96
					1	243	11.49	12.58	12.18
					120	0	11.02	11.25	11.37
					120	63	12.96	11.99	12.74
					120	125	11.66	11.41	11.79
					243	0	11.90	11.92	11.87
				16QAM	1	1	12.00	11.45	11.27
				64QAM	1	1	9.99	10.30	10.24
				256QAM	1	1	7.95	8.41	8.32
		CP-OFDM		QPSK	1	1	10.97	11.27	11.21
	100	DFT-s OFDM		PI/2 BPSK	1	1	12.10	12.74	12.33
					1	137	11.97	12.12	11.92
					1	271	11.63	12.49	12.32
					135	0	12.14	12.16	12.46
					135	69	12.93	12.07	12.83
					135	138	11.76	11.66	11.68
					270	0	11.93	12.01	11.84
				QPSK	1	1	12.09	12.97	12.32
					1	137	11.96	12.12	11.91
					1	271	11.62	12.50	12.30
					135	0	11.16	11.18	11.46
					135	69	12.94	12.08	12.82
					135	138	11.74	11.68	11.69
					270	0	11.92	12.00	11.86
				16QAM	1	1	11.10	11.40	11.36
				64QAM	1	1	10.05	10.35	10.24
				256QAM	1	1	8.07	8.37	8.27
		CP-OFDM		QPSK	1	1	11.09	11.36	11.28

NR Band n77 IC (SRS2 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	12.76	12.09	12.17
					1	12	12.01	12.83	12.80
					1	22	12.77	12.46	12.25
					12	0	11.97	11.87	12.39
					12	6	12.04	12.78	12.75
					12	12	11.89	11.55	11.75
					24	0	11.90	11.65	11.90
				QPSK	1	1	12.79	12.83	12.18
					1	12	12.09	12.76	12.95
					1	22	12.70	12.76	12.28
					12	0	11.17	11.76	11.51
					12	6	12.07	12.76	12.78
					12	12	11.88	11.75	11.77
					24	0	11.91	11.74	11.72
				16QAM	1	1	11.93	11.05	11.32
				64QAM	1	1	9.66	9.93	10.18
				256QAM	1	1	7.81	8.00	8.26
		CP-OFDM		QPSK	1	1	10.72	11.03	11.17
	15	DFT-s OFDM		PI/2 BPSK	1	1	12.73	12.91	12.18
					1	19	11.93	12.86	12.84
					1	36	12.89	12.50	12.45
					18	0	12.11	11.86	12.44
					18	10	11.93	12.79	12.80
					18	20	11.76	11.56	11.70
					36	0	12.00	11.74	11.83
				QPSK	1	1	12.98	12.82	12.38
					1	19	12.01	12.79	12.85
					1	36	12.81	12.80	12.39
					18	0	11.10	11.78	11.49
					18	10	11.96	12.76	12.87
					18	20	11.94	11.78	11.70
					36	0	11.97	11.78	11.87
				16QAM	1	1	11.71	11.08	11.17
				64QAM	1	1	9.70	10.02	10.12
				256QAM	1	1	7.64	7.83	8.30
		CP-OFDM		QPSK	1	1	10.70	10.98	11.17

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.92	12.93	12.24
					1	26	11.99	12.94	12.81
					1	49	12.84	12.46	12.31
					25	0	12.07	11.93	12.48
					25	13	12.04	12.86	12.95
					25	26	11.88	12.47	11.86
					50	0	11.95	11.76	11.67
				QPSK	1	1	12.80	12.82	12.42
					1	26	12.12	12.77	12.96
					1	49	12.71	12.86	12.30
					25	0	10.93	11.75	11.44
					25	13	12.09	12.77	12.79
					25	26	11.78	11.78	11.84
					50	0	11.91	11.78	11.72
				16QAM	1	1	11.83	11.99	11.20
				64QAM	1	1	9.84	9.97	10.25
				256QAM	1	1	7.71	7.86	8.20
		CP-OFDM		QPSK	1	1	10.85	10.97	11.14
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.87	11.96	12.14
					1	33	12.13	12.71	12.89
					1	63	12.77	12.24	12.35
					32	0	12.18	11.75	12.24
					32	17	11.76	12.82	12.88
					32	33	11.97	11.62	11.75
					64	0	11.88	11.64	11.85
				QPSK	1	1	12.98	12.83	12.24
					1	33	11.88	12.74	12.88
					1	63	12.86	12.02	12.22
					32	0	11.09	11.65	11.40
					32	17	12.08	12.78	12.86
					32	33	11.93	11.82	11.70
					64	0	11.90	11.76	11.73
				16QAM	1	1	11.79	11.89	11.24
				64QAM	1	1	9.80	9.89	10.11
				256QAM	1	1	7.68	7.88	8.18
		CP-OFDM		QPSK	1	1	10.64	10.88	11.04

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.92	12.05	12.17
					1	39	12.10	12.76	12.92
					1	76	12.79	12.28	12.42
					36	0	12.17	11.85	12.34
					36	21	11.85	12.79	12.91
					36	42	12.00	11.62	11.75
					75	0	11.94	11.72	11.85
				QPSK	1	1	12.96	12.80	12.23
					1	39	11.91	12.79	12.94
					1	76	12.88	12.06	12.26
					36	0	11.14	11.74	11.41
					36	21	12.09	12.76	12.86
					36	42	11.93	11.89	11.71
					75	0	11.95	11.75	11.73
				16QAM	1	1	11.88	11.93	11.31
				64QAM	1	1	9.84	9.97	10.13
				256QAM	1	1	7.71	7.92	8.26
		CP-OFDM		QPSK	1	1	10.63	10.85	11.07
	40	DFT-s OFDM		PI/2 BPSK	1	1	12.87	12.85	12.25
					1	53	12.00	12.83	12.85
					1	104	12.94	12.45	12.41
					50	0	12.05	11.75	12.33
					50	28	11.89	12.78	12.86
					50	56	11.94	11.59	11.68
					100	0	11.97	11.70	11.72
				QPSK	1	1	12.96	12.81	12.29
					1	53	12.05	12.86	12.88
					1	104	12.74	12.34	12.31
					50	0	11.09	11.74	11.33
					50	28	11.88	12.89	12.87
					50	56	11.98	11.16	11.62
					100	0	11.84	11.85	11.91
				16QAM	1	1	11.87	11.96	11.27
				64QAM	1	1	9.85	9.84	10.29
				256QAM	1	1	7.73	7.98	8.14
		CP-OFDM		QPSK	1	1	10.68	10.92	11.08

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.77	12.03	12.35
					1	67	12.08	12.83	12.84
					1	131	12.90	12.48	12.25
					64	0	12.00	11.94	12.32
					64	35	11.88	12.82	12.94
					64	69	11.90	12.46	11.78
					128	0	12.02	11.63	11.72
				QPSK	1	1	12.73	12.03	12.33
					1	67	12.08	12.86	12.93
					1	131	12.98	12.85	12.44
					64	0	11.13	11.98	11.44
					64	35	11.91	12.86	12.75
					64	69	11.78	11.75	11.78
					128	0	11.83	11.89	11.87
				16QAM	1	1	11.84	11.03	11.15
				64QAM	1	1	9.82	9.95	10.25
				256QAM	1	1	7.84	8.03	8.21
		CP-OFDM		QPSK	1	1	10.61	10.87	11.25
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.74	12.05	12.20
					1	81	12.05	12.79	12.05
					1	160	12.88	12.32	12.31
					81	0	12.09	11.82	12.21
					81	41	12.06	12.75	12.81
					81	81	11.88	11.52	11.84
					162	0	11.90	11.78	11.67
				QPSK	1	1	12.91	12.02	12.18
					1	81	11.90	12.81	12.97
					1	160	12.94	12.09	12.27
					81	0	11.10	11.98	11.33
					81	41	12.08	12.83	12.94
					81	81	11.96	11.79	11.67
					162	0	11.98	11.82	11.91
				16QAM	1	1	11.82	11.08	11.16
				64QAM	1	1	9.87	9.90	10.29
				256QAM	1	1	7.79	8.00	8.16
		CP-OFDM		QPSK	1	1	10.82	10.82	11.15

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	12.71	12.85	12.30
					1	95	11.96	12.74	12.90
					1	187	12.92	12.25	12.37
					90	0	11.95	11.77	12.31
					90	50	12.10	12.79	12.89
					90	99	11.76	12.39	11.85
					180	0	11.92	11.84	11.75
				QPSK	1	1	12.89	12.03	12.42
					1	95	11.94	12.77	12.96
					1	187	12.91	12.35	12.32
					90	0	10.99	11.95	11.41
					90	50	12.07	12.74	12.97
					90	99	11.78	11.91	11.62
					180	0	11.85	11.73	11.69
				16QAM	1	1	11.82	11.02	11.18
				64QAM	1	1	9.67	9.96	10.09
				256QAM	1	1	7.75	7.97	8.27
		CP-OFDM		QPSK	1	1	10.77	10.91	11.10
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.78	12.86	12.18
					1	109	12.07	12.91	12.81
					1	215	12.72	12.25	12.41
					108	0	12.11	11.79	12.46
					108	55	12.09	12.86	12.92
					108	109	11.75	12.39	11.75
					216	0	11.93	11.65	11.79
				QPSK	1	1	12.86	12.05	12.24
					1	109	11.98	12.78	12.93
					1	215	12.96	12.54	12.41
					108	0	11.15	11.93	11.47
					108	55	12.09	12.74	12.92
					108	109	11.92	11.07	11.71
					216	0	11.84	11.69	11.74
				16QAM	1	1	11.85	11.98	11.31
				64QAM	1	1	9.84	9.92	10.11
				256QAM	1	1	7.83	7.81	8.30
		CP-OFDM		QPSK	1	1	10.60	10.94	11.06

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	12.73	12.86	12.23
					1	123	11.95	12.87	12.89
					1	243	12.81	12.36	12.43
					120	0	12.14	11.88	12.43
					120	63	12.04	12.76	12.97
					120	125	11.94	11.61	11.84
					243	0	11.86	11.78	11.79
				QPSK	1	1	12.87	12.97	12.26
					1	123	11.89	12.78	12.93
					1	243	12.83	12.54	12.44
					120	0	11.14	11.89	11.47
					120	63	12.00	12.76	12.77
					120	125	11.99	11.29	11.60
					243	0	11.91	11.68	11.80
				16QAM	1	1	11.75	11.01	11.15
				64QAM	1	1	9.78	9.82	10.22
				256QAM	1	1	7.82	7.95	8.17
		CP-OFDM		QPSK	1	1	10.62	10.90	11.27
	100	DFT-s OFDM		PI/2 BPSK	1	1	12.85	12.02	12.31
					1	137	12.02	12.88	12.94
					1	271	12.86	12.40	12.40
					135	0	12.08	11.85	12.44
					135	69	12.00	12.83	12.88
					135	138	11.90	11.52	11.77
					270	0	11.93	11.74	11.82
				QPSK	1	1	12.82	12.99	12.33
					1	137	12.01	12.85	12.95
					1	271	12.84	12.41	12.38
					135	0	11.07	11.88	11.45
					135	69	12.02	12.84	12.88
					135	138	11.90	11.50	11.75
					270	0	11.95	11.77	11.81
				16QAM	1	1	11.83	11.05	11.24
				64QAM	1	1	9.80	9.94	10.19
				256QAM	1	1	7.79	7.96	8.22
		CP-OFDM		QPSK	1	1	10.75	10.94	11.18

NR Band n77 IC (SRS3 – PC3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	10	DFT-s OFDM	30	PI/2 BPSK	1	1	16.72	16.47	16.25
					1	12	16.69	16.08	16.48
					1	22	16.61	16.12	16.38
					12	0	16.00	16.11	15.49
					12	6	16.87	16.09	16.61
					12	12	15.67	15.55	16.10
					24	0	15.68	15.88	15.54
				QPSK	1	1	16.60	16.14	16.20
					1	12	16.91	16.13	16.54
					1	22	16.52	16.08	16.48
					12	0	15.85	15.08	15.51
					12	6	16.82	16.03	16.47
					12	12	15.65	15.02	15.06
					24	0	15.76	15.05	15.54
				16QAM	1	1	15.81	15.33	15.43
				64QAM	1	1	13.80	14.37	13.32
				256QAM	1	1	11.77	12.44	11.24
		CP-OFDM		QPSK	1	1	14.84	15.41	14.36
	15	DFT-s OFDM		PI/2 BPSK	1	1	16.64	16.46	16.35
					1	19	16.92	16.09	16.52
					1	36	16.67	16.16	16.44
					18	0	15.94	16.11	15.48
					18	10	16.67	16.13	16.38
					18	20	15.68	15.63	16.04
					36	0	15.84	15.92	15.58
				QPSK	1	1	16.95	16.94	16.57
					1	19	16.85	16.04	16.60
					1	36	16.61	16.05	16.37
					18	0	15.97	15.07	15.54
					18	10	16.72	16.03	16.50
					18	20	15.60	15.06	15.05
					36	0	15.77	15.05	15.57
				16QAM	1	1	15.67	15.30	15.48
				64QAM	1	1	13.64	14.28	13.49
				256QAM	1	1	11.70	12.42	11.02
		CP-OFDM		QPSK	1	1	14.84	15.31	14.33

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	20	DFT-s OFDM	30	PI/2 BPSK	1	1	16.85	16.30	16.34
					1	26	16.75	16.98	16.56
					1	49	16.61	16.18	16.37
					25	0	16.08	16.22	15.55
					25	13	16.75	16.79	16.58
					25	26	15.59	16.46	16.06
					50	0	15.69	16.09	15.54
				QPSK	1	1	16.94	16.12	16.36
					1	26	16.76	16.08	16.63
					1	49	16.67	16.09	16.30
					25	0	15.92	15.07	15.38
					25	13	16.81	16.08	16.66
					25	26	15.60	15.00	15.20
					50	0	15.91	15.03	15.55
				16QAM	1	1	15.76	15.41	15.25
				64QAM	1	1	13.59	14.34	13.35
				256QAM	1	1	11.75	12.25	11.06
		CP-OFDM		QPSK	1	1	14.61	15.45	14.29
	25	DFT-s OFDM		PI/2 BPSK	1	1	16.61	16.45	16.39
					1	33	16.70	16.10	16.62
					1	63	16.58	16.11	16.52
					32	0	16.02	16.28	15.34
					32	17	16.84	15.94	16.56
					32	33	15.74	15.62	16.12
					64	0	15.63	16.03	15.55
				QPSK	1	1	16.59	16.04	16.31
					1	33	16.85	16.01	16.64
					1	63	16.74	16.26	16.31
					32	0	15.04	15.05	15.42
					32	17	16.80	15.97	16.61
					32	33	15.57	15.14	15.15
					64	0	15.69	14.94	15.57
				16QAM	1	1	15.62	15.28	15.27
				64QAM	1	1	13.58	14.20	13.30
				256QAM	1	1	11.79	12.27	11.21
		CP-OFDM		QPSK	1	1	14.84	15.35	14.29

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	30	DFT-s OFDM	30	PI/2 BPSK	1	1	16.60	16.47	16.46
					1	39	16.74	16.11	16.71
					1	76	16.67	16.13	16.50
					36	0	16.06	16.27	15.42
					36	21	16.86	16.03	16.58
					36	42	15.78	15.61	16.12
					75	0	15.69	16.05	15.64
				QPSK	1	1	16.62	16.11	16.28
					1	39	16.88	16.11	16.70
					1	76	16.71	16.25	16.30
					36	0	15.03	15.04	15.47
					36	21	16.84	16.02	16.67
					36	42	15.67	15.13	15.19
					75	0	15.71	15.02	15.62
				16QAM	1	1	15.72	15.33	15.26
				64QAM	1	1	13.68	14.30	13.27
				256QAM	1	1	11.82	12.33	11.20
		CP-OFDM		QPSK	1	1	14.85	15.32	14.34
	40	DFT-s OFDM		PI/2 BPSK	1	1	16.71	16.40	16.31
					1	53	16.76	16.10	16.72
					1	104	16.56	16.21	16.35
					50	0	16.05	16.27	15.50
					50	28	16.75	16.88	16.64
					50	56	15.63	16.46	16.05
					100	0	15.73	16.09	15.64
				QPSK	1	1	16.70	16.11	16.31
					1	53	16.90	16.05	16.70
					1	104	16.50	16.51	16.48
					50	0	15.06	15.04	15.44
					50	28	16.89	16.07	16.52
					50	56	15.72	15.27	15.11
					100	0	15.90	15.04	15.67
				16QAM	1	1	15.64	15.44	15.26
				64QAM	1	1	13.73	14.20	13.38
				256QAM	1	1	11.76	12.40	11.23
		CP-OFDM		QPSK	1	1	14.74	15.35	14.20

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	50	DFT-s OFDM	30	PI/2 BPSK	1	1	16.65	16.46	16.39
					1	67	16.95	16.14	16.53
					1	131	16.58	16.16	16.31
					64	0	16.08	16.08	15.53
					64	35	16.93	16.11	16.52
					64	69	15.66	15.55	16.17
					128	0	15.70	15.94	15.46
				QPSK	1	1	16.61	16.38	16.35
					1	67	16.77	16.23	16.71
					1	131	16.57	16.11	16.26
					64	0	15.01	15.40	15.49
					64	35	16.96	16.21	16.56
					64	69	15.62	15.05	15.04
					128	0	15.80	15.22	15.63
				16QAM	1	1	15.70	15.43	15.36
				64QAM	1	1	13.61	14.32	13.46
				256QAM	1	1	11.74	12.28	11.03
		CP-OFDM		QPSK	1	1	14.78	15.41	14.24
	60	DFT-s OFDM		PI/2 BPSK	1	1	16.67	16.39	16.43
					1	81	16.77	16.15	16.64
					1	160	16.51	16.22	16.49
					81	0	16.01	16.31	15.31
					81	41	16.39	16.82	16.42
					81	81	15.70	15.68	16.03
					162	0	15.86	15.92	15.55
				QPSK	1	1	16.97	16.72	16.66
					1	81	16.86	16.04	16.58
					1	160	16.48	16.27	16.32
					81	0	15.05	15.35	15.32
					81	41	16.87	16.14	16.47
					81	81	15.82	15.96	15.16
					162	0	15.76	15.10	15.47
				16QAM	1	1	15.64	15.49	15.24
				64QAM	1	1	13.64	14.31	13.46
				256QAM	1	1	11.83	12.32	11.20
		CP-OFDM		QPSK	1	1	14.71	15.32	14.28

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	70	DFT-s OFDM	30	PI/2 BPSK	1	1	16.82	16.47	16.47
					1	95	16.96	16.97	16.50
					1	187	16.66	16.20	16.46
					90	0	15.88	16.16	15.36
					90	50	16.86	16.92	16.68
					90	99	15.79	15.67	16.10
					180	0	15.86	16.06	15.52
				QPSK	1	1	16.72	16.35	16.25
					1	95	17.00	16.09	16.69
					1	187	16.63	16.50	16.34
					90	0	15.95	15.31	15.30
					90	50	16.93	16.06	16.63
					90	99	15.60	15.01	15.03
					180	0	15.76	15.05	15.50
				16QAM	1	1	15.67	15.27	15.40
				64QAM	1	1	13.73	14.41	13.39
				256QAM	1	1	11.64	12.40	10.99
		CP-OFDM		QPSK	1	1	14.65	15.48	14.20
	80	DFT-s OFDM		PI/2 BPSK	1	1	16.83	16.32	16.23
					1	109	16.75	16.09	16.56
					1	215	16.60	16.18	16.28
					108	0	16.06	16.27	15.53
					108	55	16.90	16.37	16.43
					108	109	15.67	15.62	16.17
					216	0	15.69	15.88	15.48
				QPSK	1	1	16.92	16.72	16.65
					1	109	16.83	16.06	16.61
					1	215	16.59	16.57	16.46
					108	0	15.01	15.30	15.34
					108	55	16.76	16.01	16.48
					108	109	15.79	15.25	15.04
					216	0	15.73	15.98	15.62
				16QAM	1	1	15.73	15.43	15.26
				64QAM	1	1	13.56	14.45	13.31
				256QAM	1	1	11.66	12.39	11.17
		CP-OFDM		QPSK	1	1	14.70	15.31	14.30

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n77	90	DFT-s OFDM	30	PI/2 BPSK	1	1	16.81	16.41	16.39
					1	123	16.80	16.16	16.69
					1	243	16.49	16.29	16.49
					120	0	16.00	16.22	15.50
					120	63	16.75	16.09	16.51
					120	125	15.75	15.67	16.07
					243	0	15.65	16.11	15.67
				QPSK	1	1	16.69	16.38	16.28
					1	123	16.83	16.02	16.71
					1	243	16.47	16.43	16.45
					120	0	15.06	15.21	15.34
					120	63	16.81	16.21	16.50
					120	125	15.81	15.48	15.03
					243	0	15.73	15.92	15.43
				16QAM	1	1	15.60	15.34	15.28
				64QAM	1	1	13.81	14.39	13.32
				256QAM	1	1	11.68	12.39	10.99
		CP-OFDM		QPSK	1	1	14.85	15.36	14.36
	100	DFT-s OFDM		PI/2 BPSK	1	1	16.75	16.45	16.38
					1	137	16.87	16.09	16.64
					1	271	16.60	16.21	16.40
					135	0	16.00	16.23	15.45
					135	69	16.86	16.03	16.62
					135	138	15.72	15.58	16.15
					270	0	15.80	16.01	15.59
				QPSK	1	1	16.74	16.44	16.33
					1	137	16.89	16.07	16.63
					1	271	16.62	16.20	16.39
					135	0	15.99	15.20	15.44
					135	69	16.86	16.04	16.60
					135	138	15.73	15.59	15.14
					270	0	15.81	16.00	15.57
				16QAM	1	1	15.75	15.40	15.39
				64QAM	1	1	13.71	14.35	13.40
				256QAM	1	1	11.75	12.40	11.14
		CP-OFDM		QPSK	1	1	14.75	15.39	14.31

NR Band n78 Lower

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	10	DFT-s OFDM	30	PI/2 BPSK	1	1	24.04	24.27	24.12
					1	12	24.10	24.30	24.19
					1	22	24.17	24.43	24.23
					12	0	23.66	23.47	23.29
					12	6	23.93	24.00	23.88
					12	12	23.82	23.46	23.78
					24	0	23.37	23.71	23.61
				QPSK	1	1	24.29	24.01	24.10
					1	12	24.34	23.94	24.12
					1	22	24.00	23.99	24.45
					12	0	23.42	23.10	23.30
					12	6	24.32	23.98	23.78
					12	12	22.93	22.95	22.94
					24	0	23.08	23.00	23.19
				16QAM	1	1	22.83	23.37	22.96
				64QAM	1	1	21.57	21.76	21.56
				256QAM	1	1	19.33	19.56	19.79
		CP-OFDM		QPSK	1	1	22.45	22.93	22.65
	15	DFT-s OFDM		PI/2 BPSK	1	1	24.06	24.15	24.47
					1	19	24.41	24.35	24.57
					1	36	24.33	24.35	24.01
					18	0	23.80	23.92	23.77
					18	10	23.96	24.20	24.24
					18	20	23.60	23.57	23.60
					36	0	24.07	23.78	23.95
				QPSK	1	1	24.38	24.25	24.00
					1	19	24.29	24.25	24.32
					1	36	24.12	24.35	23.94
					18	0	23.37	23.06	23.16
					18	10	24.38	24.40	24.13
					18	20	23.22	23.21	23.35
					36	0	23.20	23.10	23.11
				16QAM	1	1	23.34	23.31	23.45
				64QAM	1	1	21.82	21.94	21.85
				256QAM	1	1	19.59	19.71	19.44
		CP-OFDM		QPSK	1	1	22.87	22.77	22.63

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	20	DFT-s OFDM	30	PI/2 BPSK	1	1	24.44	24.23	24.00
					1	26	24.01	23.91	24.18
					1	49	24.34	24.12	24.53
					25	0	23.73	23.50	23.79
					25	13	24.38	24.13	24.30
					25	26	23.70	23.65	23.62
					50	0	23.94	23.91	23.57
				QPSK	1	1	24.15	24.14	24.26
					1	26	23.83	24.08	24.05
					1	49	24.27	24.36	23.88
					25	0	23.06	23.37	23.26
					25	13	24.23	24.28	24.23
					25	26	23.35	23.37	23.28
					50	0	22.96	23.16	23.34
				16QAM	1	1	23.52	23.10	23.10
				64QAM	1	1	21.96	21.79	21.97
				256QAM	1	1	20.00	19.59	19.35
		CP-OFDM		QPSK	1	1	23.13	22.80	23.15
	25	DFT-s OFDM		PI/2 BPSK	1	1	24.30	24.36	24.49
					1	33	24.56	24.34	24.53
					1	63	24.35	24.21	24.83
					32	0	24.12	23.96	24.03
					32	17	24.13	24.38	24.35
					32	33	23.94	23.50	24.45
					64	0	24.03	23.86	23.90
				QPSK	1	1	24.45	24.41	24.36
					1	33	24.46	24.28	24.70
					1	63	24.00	24.02	24.92
					32	0	23.52	23.22	23.80
					32	17	24.25	24.03	24.60
					32	33	23.53	23.29	23.49
					64	0	23.48	23.22	23.30
				16QAM	1	1	23.27	23.47	23.48
				64QAM	1	1	22.20	22.31	21.79
				256QAM	1	1	19.94	19.84	19.80
		CP-OFDM		QPSK	1	1	22.82	23.01	23.18

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	30	DFT-s OFDM	30	PI/2 BPSK	1	1	24.40	24.41	24.52
					1	39	24.51	24.44	24.58
					1	76	24.41	24.28	24.90
					36	0	24.07	23.93	24.01
					36	21	24.17	24.35	24.44
					36	42	23.90	23.51	24.47
					75	0	24.02	23.86	24.00
				QPSK	1	1	24.46	24.38	24.36
					1	39	24.42	24.25	24.80
					1	76	24.07	24.03	24.94
					36	0	23.53	23.25	23.78
					36	21	24.27	24.01	24.69
					36	42	23.61	23.39	23.54
					75	0	23.47	23.27	23.39
				16QAM	1	1	23.29	23.53	23.45
				64QAM	1	1	22.25	22.27	21.82
				256QAM	1	1	19.98	19.79	19.84
		CP-OFDM		QPSK	1	1	22.89	23.00	23.23
	40	DFT-s OFDM		PI/2 BPSK	1	1	24.33	24.57	24.40
					1	53	24.44	24.37	24.57
					1	104	24.10	24.12	24.55
					50	0	23.82	23.76	23.76
					50	28	24.12	24.15	24.69
					50	56	23.49	23.86	24.27
					100	0	23.74	24.08	23.86
				QPSK	1	1	24.60	24.45	24.07
					1	53	24.20	24.61	24.65
					1	104	24.34	24.13	24.63
					50	0	23.28	23.43	23.54
					50	28	24.14	24.12	24.30
					50	56	23.12	23.17	23.59
					100	0	23.17	23.37	23.59
				16QAM	1	1	23.18	23.10	22.98
				64QAM	1	1	22.23	21.99	21.44
				256QAM	1	1	19.82	19.78	19.79
		CP-OFDM		QPSK	1	1	22.67	22.69	22.85

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	50	DFT-s OFDM	30	PI/2 BPSK	1	1	24.46	24.11	23.88
					1	67	24.48	24.53	24.20
					1	131	24.21	24.01	24.46
					64	0	23.74	23.53	23.73
					64	35	24.31	24.09	24.40
					64	69	23.86	23.62	24.13
					128	0	23.74	23.62	23.69
				QPSK	1	1	24.25	24.48	24.26
					1	67	24.40	24.71	24.33
					1	131	23.88	23.94	24.37
					64	0	23.52	23.60	22.93
					64	35	24.46	24.11	24.27
					64	69	23.11	23.46	23.33
					128	0	23.46	23.28	23.22
				16QAM	1	1	23.62	23.52	22.78
				64QAM	1	1	22.10	21.71	21.42
				256QAM	1	1	19.80	20.01	19.49
		CP-OFDM		QPSK	1	1	23.12	22.63	22.76
	60	DFT-s OFDM		PI/2 BPSK	1	1	24.68	24.40	24.53
					1	81	24.00	24.40	24.70
					1	160	24.45	24.40	24.35
					81	0	24.15	23.89	23.53
					81	41	24.29	24.04	23.85
					81	81	24.30	24.02	24.20
					162	0	24.03	23.69	24.08
				QPSK	1	1	24.30	24.43	24.08
					1	81	24.42	24.13	24.35
					1	160	24.25	24.56	24.41
					81	0	23.58	23.27	23.26
					81	41	24.45	24.26	24.52
					81	81	23.28	23.25	23.77
					162	0	23.20	23.03	23.51
				16QAM	1	1	23.31	23.42	23.39
				64QAM	1	1	22.03	21.85	22.01
				256QAM	1	1	20.03	19.74	20.16
		CP-OFDM		QPSK	1	1	22.66	23.03	22.98

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	70	DFT-s OFDM	30	PI/2 BPSK	1	1	24.73	24.42	24.40
					1	95	24.40	24.46	24.01
					1	187	23.99	23.84	24.16
					90	0	23.96	24.14	24.04
					90	50	24.24	24.19	24.22
					90	99	24.17	23.72	23.55
					180	0	24.13	23.70	24.07
				QPSK	1	1	24.41	24.59	24.54
					1	95	24.64	24.43	24.16
					1	187	24.61	23.64	23.63
					90	0	23.46	23.61	23.68
					90	50	24.30	24.29	24.46
					90	99	23.44	23.21	23.17
					180	0	22.91	23.42	23.18
				16QAM	1	1	23.30	23.57	23.71
				64QAM	1	1	22.17	21.91	21.86
				256QAM	1	1	19.97	19.84	19.87
		CP-OFDM		QPSK	1	1	22.98	22.98	22.91
	80	DFT-s OFDM		PI/2 BPSK	1	1	24.21	24.27	24.69
					1	109	24.45	24.22	24.36
					1	215	24.29	24.69	24.66
					108	0	23.64	23.72	23.85
					108	55	24.28	24.06	24.38
					108	109	23.81	24.00	24.21
					216	0	23.69	23.57	23.61
				QPSK	1	1	24.28	24.30	24.39
					1	109	24.62	24.36	24.27
					1	215	24.45	24.55	24.66
					108	0	23.10	23.63	23.27
					108	55	24.12	24.40	24.05
					108	109	23.25	23.57	23.34
					216	0	23.30	23.13	23.26
				16QAM	1	1	23.42	23.42	23.30
				64QAM	1	1	22.06	21.87	22.23
				256QAM	1	1	19.85	19.74	20.11
		CP-OFDM		QPSK	1	1	22.79	22.61	23.01

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	90	DFT-s OFDM	30	PI/2 BPSK	1	1	24.50	24.60	24.07
					1	123	24.43	24.47	24.65
					1	243	24.63	24.48	24.94
					120	0	24.04	23.98	23.79
					120	63	23.79	24.00	24.22
					120	125	23.80	23.67	24.08
					243	0	23.60	23.82	23.91
				QPSK	1	1	24.35	24.17	24.56
					1	123	24.26	24.33	24.01
					1	243	24.59	24.64	24.30
					120	0	23.25	23.47	23.64
					120	63	24.39	24.24	23.97
					120	125	23.38	23.53	22.99
					243	0	23.26	23.06	23.15
				16QAM	1	1	23.40	23.04	23.16
				64QAM	1	1	21.56	21.63	21.79
				256QAM	1	1	19.96	19.78	19.88
		CP-OFDM		QPSK	1	1	22.52	22.69	22.61
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	24.15	-
					1	137	-	24.24	-
					1	271	-	24.77	-
					135	0	-	23.99	-
					135	69	-	24.22	-
					135	138	-	24.01	-
					270	0	-	23.57	-
				QPSK	1	1	-	24.23	-
					1	137	-	24.35	-
					1	271	-	24.64	-
					135	0	-	23.13	-
					135	69	-	24.22	-
					135	138	-	23.38	-
					270	0	-	23.01	-
				16QAM	1	1	-	23.65	-
				64QAM	1	1	-	22.15	-
				256QAM	1	1	-	19.75	-
		CP-OFDM		QPSK	1	1	-	22.77	-

NR Band n78 IC

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	10	DFT-s OFDM	30	PI/2 BPSK	1	1	24.29	24.19	24.29
					1	12	24.24	24.38	24.17
					1	22	24.17	24.24	24.17
					12	0	23.56	23.39	23.88
					12	6	24.08	23.96	23.96
					12	12	23.60	23.55	23.37
					24	0	23.49	23.36	23.54
				QPSK	1	1	24.41	24.43	24.25
					1	12	24.29	24.15	24.40
					1	22	24.04	23.81	24.05
					12	0	23.27	23.07	23.23
					12	6	24.08	24.43	24.14
					12	12	23.01	22.99	23.05
					24	0	23.00	23.03	22.85
				16QAM	1	1	23.01	22.97	23.04
				64QAM	1	1	21.62	21.74	21.78
				256QAM	1	1	19.58	19.51	19.66
		CP-OFDM		QPSK	1	1	22.67	22.72	22.58
	15	DFT-s OFDM		PI/2 BPSK	1	1	24.14	24.00	23.92
					1	19	24.37	24.51	24.58
					1	36	24.29	24.26	23.81
					18	0	23.65	23.60	23.65
					18	10	24.07	23.98	24.21
					18	20	23.81	23.54	23.77
					36	0	23.85	23.90	23.74
				QPSK	1	1	24.16	24.22	23.90
					1	19	24.13	24.02	24.32
					1	36	24.05	24.28	23.87
					18	0	23.35	23.20	23.42
					18	10	24.14	23.87	23.94
					18	20	23.37	23.25	23.25
					36	0	23.00	22.80	22.95
				16QAM	1	1	23.15	22.89	22.89
				64QAM	1	1	21.65	21.39	21.85
				256QAM	1	1	19.56	19.55	19.34
		CP-OFDM		QPSK	1	1	22.71	22.90	22.90

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	20	DFT-s OFDM	30	PI/2 BPSK	1	1	24.40	24.25	24.29
					1	26	24.19	24.21	24.13
					1	49	24.36	24.64	24.41
					25	0	23.58	23.48	23.39
					25	13	24.17	24.37	24.25
					25	26	23.91	23.69	23.89
					50	0	23.86	23.82	24.03
				QPSK	1	1	24.39	23.97	24.62
					1	26	24.02	23.89	24.05
					1	49	24.38	24.27	24.37
					25	0	23.29	23.28	23.41
					25	13	24.24	24.59	24.52
					25	26	23.38	23.29	23.34
					50	0	23.05	22.98	23.16
				16QAM	1	1	23.27	23.13	23.08
				64QAM	1	1	21.79	22.00	21.74
				256QAM	1	1	19.83	19.45	20.06
		CP-OFDM		QPSK	1	1	22.95	23.19	23.09
	25	DFT-s OFDM		PI/2 BPSK	1	1	24.46	24.16	24.55
					1	33	24.40	24.20	24.06
					1	63	24.34	24.27	24.34
					32	0	24.00	24.13	23.59
					32	17	24.34	24.48	24.39
					32	33	23.86	23.80	23.70
					64	0	23.82	23.74	23.61
				QPSK	1	1	24.45	24.22	24.41
					1	33	24.44	24.67	24.18
					1	63	24.28	24.03	24.24
					32	0	23.40	23.48	23.12
					32	17	24.43	24.36	24.75
					32	33	23.32	23.17	22.80
					64	0	23.35	23.04	23.30
				16QAM	1	1	23.44	23.53	23.42
				64QAM	1	1	21.95	21.93	21.97
				256QAM	1	1	19.81	19.93	19.88
		CP-OFDM		QPSK	1	1	23.02	22.72	22.84

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	30	DFT-s OFDM	30	PI/2 BPSK	1	1	24.44	24.16	24.60
					1	39	24.38	24.29	24.06
					1	76	24.30	24.32	24.29
					36	0	23.95	24.10	23.65
					36	21	24.39	24.43	24.44
					36	42	23.84	23.76	23.79
					75	0	23.90	23.74	23.67
				QPSK	1	1	24.47	24.20	24.41
					1	39	24.45	24.65	24.28
					1	76	24.32	24.04	24.21
					36	0	23.46	23.55	23.13
					36	21	24.46	24.42	24.70
					36	42	23.37	23.23	22.88
					75	0	23.45	23.01	23.40
				16QAM	1	1	23.43	23.54	23.49
				64QAM	1	1	22.03	21.94	21.93
				256QAM	1	1	19.87	19.96	19.94
		CP-OFDM		QPSK	1	1	22.98	22.68	22.93
	40	DFT-s OFDM		PI/2 BPSK	1	1	24.47	24.62	24.56
					1	53	24.36	24.15	24.33
					1	104	24.15	24.00	24.38
					50	0	23.91	23.97	23.72
					50	28	24.37	24.49	24.57
					50	56	23.74	23.99	23.89
					100	0	23.88	23.84	24.08
				QPSK	1	1	24.46	24.15	24.12
					1	53	24.43	24.04	24.63
					1	104	24.12	24.01	23.67
					50	0	23.42	23.55	23.14
					50	28	24.37	24.09	24.30
					50	56	23.27	23.36	23.22
					100	0	23.37	22.93	23.28
				16QAM	1	1	23.39	23.45	23.15
				64QAM	1	1	22.04	21.77	21.82
				256QAM	1	1	19.87	19.75	19.99
		CP-OFDM		QPSK	1	1	22.83	22.82	22.91

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	50	DFT-s OFDM	30	PI/2 BPSK	1	1	24.43	24.39	24.19
					1	67	24.40	24.72	24.12
					1	131	24.06	23.73	24.00
					64	0	23.95	24.22	24.25
					64	35	24.39	24.31	24.28
					64	69	23.74	23.72	23.38
					128	0	23.87	23.79	23.93
				QPSK	1	1	24.42	24.11	24.45
					1	67	24.37	24.62	24.17
					1	131	24.05	23.96	23.83
					64	0	23.44	23.27	23.56
					64	35	24.40	24.11	24.66
					64	69	23.25	23.16	22.87
					128	0	23.37	23.43	23.07
				16QAM	1	1	23.51	23.28	23.38
				64QAM	1	1	21.97	21.90	22.23
				256QAM	1	1	19.95	19.89	20.05
		CP-OFDM		QPSK	1	1	23.04	23.08	22.97
	60	DFT-s OFDM		PI/2 BPSK	1	1	24.51	24.71	24.42
					1	81	24.25	24.30	24.46
					1	160	24.54	24.69	24.59
					81	0	24.04	24.19	24.40
					81	41	24.40	24.26	24.22
					81	81	24.06	24.02	23.74
					162	0	23.79	24.00	23.75
				QPSK	1	1	24.48	24.44	24.38
					1	81	24.37	24.57	24.52
					1	160	24.33	24.02	24.66
					81	0	23.33	23.14	23.76
					81	41	24.36	24.40	24.52
					81	81	23.27	23.06	23.28
					162	0	23.26	23.23	23.35
				16QAM	1	1	23.32	23.29	23.66
				64QAM	1	1	21.84	21.74	21.83
				256QAM	1	1	19.87	20.01	19.99
		CP-OFDM		QPSK	1	1	22.88	22.67	22.76

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	70	DFT-s OFDM	30	PI/2 BPSK	1	1	24.60	24.43	24.46
					1	95	24.26	24.07	24.69
					1	187	24.20	24.08	24.09
					90	0	23.81	23.79	23.80
					90	50	24.05	24.19	23.66
					90	99	24.07	24.12	24.00
					180	0	23.90	23.71	23.92
				QPSK	1	1	24.25	24.50	24.45
					1	95	24.39	24.26	24.21
					1	187	24.39	24.04	24.55
					90	0	23.48	23.68	23.36
					90	50	24.29	24.00	24.16
					90	99	23.36	23.49	23.32
					180	0	23.11	22.84	22.83
				16QAM	1	1	23.39	23.54	23.31
				64QAM	1	1	21.97	21.51	22.08
				256QAM	1	1	20.00	19.80	19.76
		CP-OFDM		QPSK	1	1	22.91	22.79	22.66
	80	DFT-s OFDM		PI/2 BPSK	1	1	24.22	24.22	24.00
					1	109	24.22	24.14	24.00
					1	215	24.52	24.43	24.69
					108	0	23.83	23.85	24.11
					108	55	24.40	24.73	24.47
					108	109	23.82	23.73	23.62
					216	0	23.61	23.41	23.31
				QPSK	1	1	24.47	24.28	24.43
					1	109	24.43	24.51	24.49
					1	215	24.45	24.47	24.44
					108	0	23.28	23.23	23.11
					108	55	24.06	24.17	23.94
					108	109	23.41	23.10	23.59
					216	0	23.08	22.81	23.04
				16QAM	1	1	23.42	23.72	23.48
				64QAM	1	1	21.97	21.78	21.71
				256QAM	1	1	19.76	19.80	19.46
		CP-OFDM		QPSK	1	1	22.92	22.65	23.11

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	90	DFT-s OFDM	30	PI/2 BPSK	1	1	24.42	23.96	24.54
					1	123	24.35	23.95	24.27
					1	243	24.45	24.19	24.53
					120	0	23.91	23.75	23.99
					120	63	24.01	24.07	24.36
					120	125	24.03	23.76	24.17
					243	0	23.65	23.24	23.87
				QPSK	1	1	24.54	24.45	24.55
					1	123	24.21	24.27	24.20
					1	243	24.36	24.60	24.05
					120	0	23.29	22.84	22.99
					120	63	24.14	24.18	24.15
					120	125	23.41	23.27	23.11
					243	0	23.23	23.28	23.51
				16QAM	1	1	23.15	23.31	22.98
				64QAM	1	1	21.78	22.21	21.98
				256QAM	1	1	19.92	19.60	19.92
		CP-OFDM		QPSK	1	1	22.73	22.93	22.52
	100	DFT-s OFDM		PI/2 BPSK	1	1	24.38	24.26	24.44
					1	137	24.33	24.18	24.32
					1	271	24.35	24.30	24.35
					135	0	23.88	23.66	23.94
					135	69	23.91	23.59	23.84
					135	138	23.95	24.20	24.01
					270	0	23.55	23.43	23.59
				QPSK	1	1	24.48	24.77	24.74
					1	137	24.15	24.07	24.30
					1	271	24.33	24.08	24.25
					135	0	23.22	23.38	23.09
					135	69	24.11	24.21	23.87
					135	138	23.38	23.01	23.66
					270	0	23.21	23.30	23.15
				16QAM	1	1	23.10	23.53	22.93
				64QAM	1	1	21.75	21.50	21.58
				256QAM	1	1	19.85	19.73	19.69
		CP-OFDM		QPSK	1	1	22.70	22.72	22.37

NR Band n78 Lower (SRS1)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	10	DFT-s OFDM	30	PI/2 BPSK	1	1	12.72	12.65	12.52
					1	12	12.63	12.51	12.35
					1	22	12.56	12.52	12.33
					12	0	11.65	11.48	11.50
					12	6	12.57	12.55	12.58
					12	12	11.63	11.44	11.34
					24	0	11.47	11.62	11.62
				QPSK	1	1	12.83	12.62	12.56
					1	12	12.42	12.64	12.35
					1	22	12.65	12.56	12.64
					12	0	11.50	11.62	11.53
					12	6	12.60	12.67	12.54
					12	12	11.63	11.66	11.41
					24	0	11.51	11.58	11.58
				16QAM	1	1	11.85	11.77	11.60
				64QAM	1	1	9.55	9.65	9.46
				256QAM	1	1	7.69	7.71	7.69
		CP-OFDM		QPSK	1	1	10.82	10.84	10.55
	15	DFT-s OFDM		PI/2 BPSK	1	1	12.84	12.85	12.78
					1	19	12.50	12.50	12.38
					1	36	12.55	12.64	12.41
					18	0	11.69	11.69	11.59
					18	10	12.61	12.64	12.50
					18	20	11.44	11.41	11.59
					36	0	11.52	11.66	11.34
				QPSK	1	1	12.89	12.85	12.59
					1	19	12.65	12.57	12.36
					1	36	12.50	12.56	12.52
					18	0	11.76	11.54	11.56
					18	10	12.54	12.47	12.38
					18	20	11.63	11.63	11.57
					36	0	11.72	11.68	11.60
				16QAM	1	1	11.86	11.93	11.78
				64QAM	1	1	9.78	9.85	9.45
				256QAM	1	1	7.61	7.68	7.44
		CP-OFDM		QPSK	1	1	10.59	10.72	10.75

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.76	11.81	11.79
					1	26	12.61	12.55	12.51
					1	49	12.44	12.45	12.48
					25	0	11.61	11.82	11.53
					25	13	12.41	12.75	12.55
					25	26	11.38	11.59	11.21
					50	0	11.42	11.75	11.20
				QPSK	1	1	12.79	11.82	11.86
					1	26	12.56	12.72	12.48
					1	49	12.40	12.40	12.33
					25	0	11.72	11.79	11.67
					25	13	12.51	12.78	12.37
					25	26	11.25	11.66	11.22
					50	0	11.53	11.58	11.50
				16QAM	1	1	11.53	11.74	11.61
				64QAM	1	1	9.74	9.64	9.54
				256QAM	1	1	7.53	7.81	7.73
		CP-OFDM		QPSK	1	1	10.60	10.57	10.67
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.62	11.76	11.68
					1	33	12.58	12.64	12.48
					1	63	12.38	12.57	12.38
					32	0	11.79	11.88	11.59
					32	17	12.57	12.68	12.47
					32	33	11.26	11.34	11.31
					64	0	11.60	11.52	11.43
				QPSK	1	1	12.67	11.83	11.71
					1	33	12.52	12.41	12.42
					1	63	12.41	12.45	12.40
					32	0	11.73	11.66	11.54
					32	17	12.41	12.72	12.39
					32	33	11.46	11.63	11.35
					64	0	11.61	11.56	11.19
				16QAM	1	1	11.75	11.88	11.55
				64QAM	1	1	9.61	9.64	9.56
				256QAM	1	1	7.57	7.60	7.59
		CP-OFDM		QPSK	1	1	10.79	10.58	10.36

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.72	11.76	11.67
					1	39	12.58	12.73	12.47
					1	76	12.39	12.58	12.48
					36	0	11.83	11.90	11.68
					36	21	12.58	12.65	12.47
					36	42	11.26	11.34	11.36
					75	0	11.66	11.56	11.49
				QPSK	1	1	12.69	11.87	11.77
					1	39	12.59	12.51	12.45
					1	76	12.46	12.44	12.47
					36	0	11.73	11.75	11.51
					36	21	12.42	12.77	12.48
					36	42	11.46	11.67	11.39
					75	0	11.68	11.56	11.20
				16QAM	1	1	11.77	11.90	11.65
				64QAM	1	1	9.60	9.72	9.58
				256QAM	1	1	7.67	7.65	7.62
		CP-OFDM		QPSK	1	1	10.77	10.62	10.46
	40	DFT-s OFDM		PI/2 BPSK	1	1	12.76	11.88	11.91
					1	53	12.56	12.71	12.29
					1	104	12.41	12.40	12.26
					50	0	11.88	11.77	11.43
					50	28	12.51	12.52	12.40
					50	56	11.46	11.50	11.31
					100	0	11.50	11.62	11.50
				QPSK	1	1	12.66	11.92	11.84
					1	53	12.68	12.88	12.47
					1	104	12.27	12.35	12.42
					50	0	11.88	11.80	11.66
					50	28	12.63	12.71	12.40
					50	56	11.56	11.61	11.15
					100	0	11.50	11.58	11.39
				16QAM	1	1	11.76	11.76	11.56
				64QAM	1	1	9.66	9.62	9.61
				256QAM	1	1	7.62	7.81	7.58
		CP-OFDM		QPSK	1	1	10.74	10.79	10.65

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.84	12.74	12.85
					1	67	12.60	12.66	12.59
					1	131	12.34	12.26	12.45
					64	0	11.79	11.86	11.73
					64	35	12.50	12.53	12.56
					64	69	11.49	11.38	11.44
					128	0	11.64	11.63	11.43
				QPSK	1	1	12.87	12.85	12.82
					1	67	12.68	12.58	12.44
					1	131	12.25	12.32	12.37
					64	0	11.61	11.70	11.76
					64	35	12.40	12.55	12.50
					64	69	11.25	11.52	11.34
					128	0	11.47	11.73	11.30
				16QAM	1	1	11.60	11.65	11.72
				64QAM	1	1	9.73	9.70	9.50
				256QAM	1	1	7.75	7.62	7.65
		CP-OFDM		QPSK	1	1	10.80	10.62	10.56
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.74	12.61	12.59
					1	81	12.43	12.73	12.43
					1	160	12.50	12.26	12.23
					81	0	11.76	11.68	11.70
					81	41	12.59	12.65	12.63
					81	81	11.30	11.40	11.48
					162	0	11.52	11.46	11.46
				QPSK	1	1	12.62	12.92	12.56
					1	81	12.46	12.65	12.66
					1	160	12.27	12.44	12.28
					81	0	11.68	11.87	11.64
					81	41	12.53	12.75	12.42
					81	81	11.40	11.42	11.39
					162	0	11.60	11.62	11.44
				16QAM	1	1	11.83	11.66	11.56
				64QAM	1	1	9.83	9.70	9.73
				256QAM	1	1	7.59	7.78	7.76
		CP-OFDM		QPSK	1	1	10.68	10.81	10.60

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	70	DFT-s OFDM	30	PI/2 BPSK	1	1	12.69	12.80	12.72
					1	95	12.64	12.74	12.67
					1	187	12.41	12.30	12.22
					90	0	11.75	11.91	11.73
					90	50	12.40	12.61	12.33
					90	99	11.49	11.48	11.21
					180	0	11.59	11.47	11.48
				QPSK	1	1	12.59	12.90	12.79
					1	95	12.68	12.56	12.69
					1	187	12.49	12.54	12.44
					90	0	11.64	11.74	11.64
					90	50	12.61	12.67	12.44
					90	99	11.46	11.44	11.26
					180	0	11.46	11.68	11.48
				16QAM	1	1	11.64	11.83	11.76
				64QAM	1	1	9.58	9.64	9.50
				256QAM	1	1	7.77	7.78	7.59
		CP-OFDM		QPSK	1	1	10.55	10.65	10.75
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.74	12.71	12.52
					1	109	12.45	12.57	12.60
					1	215	12.24	12.24	12.14
					108	0	11.80	11.88	11.63
					108	55	12.61	12.62	12.40
					108	109	11.50	11.18	11.35
					216	0	11.67	11.34	11.38
				QPSK	1	1	12.60	12.76	12.68
					1	109	12.50	12.69	12.64
					1	215	12.34	12.23	12.38
					108	0	11.71	11.72	11.72
					108	55	12.53	12.66	12.61
					108	109	11.44	11.28	11.30
					216	0	11.50	11.50	11.36
				16QAM	1	1	11.86	11.82	11.77
				64QAM	1	1	9.54	9.66	9.60
				256QAM	1	1	7.58	7.69	7.78
		CP-OFDM		QPSK	1	1	10.77	10.62	10.64

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	90	DFT-s OFDM	30	PI/2 BPSK	1	1	12.67	12.57	12.66
					1	123	12.36	12.48	12.35
					1	243	12.16	12.22	12.26
					120	0	11.61	11.73	11.66
					120	63	12.61	12.52	12.32
					120	125	11.22	11.32	11.38
					243	0	11.61	11.61	11.42
				QPSK	1	1	12.76	12.68	12.62
					1	123	12.46	12.43	12.31
					1	243	12.10	12.27	12.07
					120	0	11.73	11.90	11.60
					120	63	12.42	12.63	12.34
					120	125	11.51	11.39	11.14
					243	0	11.47	11.40	11.33
				16QAM	1	1	11.83	11.66	11.68
				64QAM	1	1	9.71	9.85	9.57
				256QAM	1	1	7.73	7.71	7.53
		CP-OFDM		QPSK	1	1	10.69	10.77	10.58
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	12.79	-
					1	137	-	12.64	-
					1	271	-	12.31	-
					135	0	-	11.64	-
					135	69	-	12.51	-
					135	138	-	11.14	-
					270	0	-	11.48	-
				QPSK	1	1	-	12.84	-
					1	137	-	12.67	-
					1	271	-	12.40	-
					135	0	-	11.50	-
					135	69	-	12.32	-
					135	138	-	11.20	-
					270	0	-	11.49	-
				16QAM	1	1	-	11.48	-
				64QAM	1	1	-	9.88	-
				256QAM	1	1	-	7.67	-
		CP-OFDM		QPSK	1	1	-	10.56	-

NR Band n78 Lower (SRS2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	10	DFT-s OFDM	30	PI/2 BPSK	1	1	11.79	11.74	11.84
					1	12	11.19	11.10	11.24
					1	22	11.29	11.14	11.24
					12	0	11.06	11.31	11.12
					12	6	11.06	11.35	11.15
					12	12	11.28	11.36	11.19
					24	0	11.14	11.10	11.35
				QPSK	1	1	11.77	11.91	11.77
					1	12	11.13	11.30	11.26
					1	22	11.27	11.39	11.26
					12	0	11.06	11.44	11.11
					12	6	11.20	11.48	11.17
					12	12	11.09	11.17	11.14
					24	0	11.13	11.31	11.21
				16QAM	1	1	11.57	11.64	11.36
				64QAM	1	1	9.31	9.40	9.44
				256QAM	1	1	7.28	7.48	7.49
		CP-OFDM		QPSK	1	1	10.27	10.61	10.58
	15	DFT-s OFDM		PI/2 BPSK	1	1	11.79	11.74	11.94
					1	19	11.15	11.43	11.32
					1	36	12.20	12.10	12.09
					18	0	11.17	11.22	11.21
					18	10	11.18	11.44	11.40
					18	20	11.21	11.05	11.27
					36	0	11.10	11.34	11.10
				QPSK	1	1	11.83	11.99	11.93
					1	19	11.30	11.42	11.28
					1	36	12.16	12.22	12.11
					18	0	11.30	11.34	11.44
					18	10	11.18	11.19	11.20
					18	20	11.31	11.28	11.32
					36	0	11.14	11.24	11.35
				16QAM	1	1	11.36	11.54	11.64
				64QAM	1	1	9.27	9.40	9.47
				256QAM	1	1	7.59	7.56	7.40
		CP-OFDM		QPSK	1	1	10.40	10.50	10.41

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	20	DFT-s OFDM	30	PI/2 BPSK	1	1	11.76	11.77	11.98
					1	26	12.10	12.20	12.24
					1	49	12.07	12.26	12.08
					25	0	11.05	11.23	11.35
					25	13	12.01	12.28	12.25
					25	26	10.97	11.27	11.17
					50	0	11.11	11.23	11.03
				QPSK	1	1	11.96	11.99	11.70
					1	26	12.11	12.25	12.08
					1	49	12.17	12.15	12.05
					25	0	11.20	11.46	11.17
					25	13	12.14	12.40	12.29
					25	26	11.18	11.18	11.17
					50	0	11.08	11.24	11.22
				16QAM	1	1	11.52	11.74	11.68
				64QAM	1	1	9.46	9.40	9.28
				256QAM	1	1	7.30	7.51	7.37
		CP-OFDM		QPSK	1	1	10.47	10.49	10.30
	25	DFT-s OFDM		PI/2 BPSK	1	1	11.81	11.97	12.01
					1	33	12.00	12.07	11.95
					1	63	12.01	12.08	12.08
					32	0	11.10	11.23	11.16
					32	17	12.09	12.16	12.08
					32	33	11.00	11.06	10.87
					64	0	11.07	11.15	10.88
				QPSK	1	1	11.62	11.88	11.80
					1	33	11.89	12.25	12.21
					1	63	11.90	12.12	12.00
					32	0	10.09	10.38	10.25
					32	17	12.13	12.09	12.22
					32	33	11.00	11.03	11.11
					64	0	11.15	11.39	10.99
				16QAM	1	1	11.27	11.48	11.58
				64QAM	1	1	9.35	9.50	9.36
				256QAM	1	1	7.25	7.57	7.33
		CP-OFDM		QPSK	1	1	10.34	10.56	10.40

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	30	DFT-s OFDM	30	PI/2 BPSK	1	1	11.79	11.98	11.98
					1	39	12.05	12.14	11.94
					1	76	12.11	12.14	12.06
					36	0	11.11	11.22	11.23
					36	21	12.15	12.15	12.13
					36	42	10.97	11.08	10.95
					75	0	11.16	11.20	10.97
				QPSK	1	1	11.69	11.97	11.85
					1	39	11.97	12.30	12.18
					1	76	12.00	12.11	12.06
					36	0	10.10	10.42	10.33
					36	21	12.10	12.14	12.28
					36	42	11.05	11.06	11.14
					75	0	11.13	11.41	11.05
				16QAM	1	1	11.29	11.50	11.57
				64QAM	1	1	9.43	9.58	9.39
				256QAM	1	1	7.26	7.62	7.31
		CP-OFDM		QPSK	1	1	10.36	10.54	10.45
	40	DFT-s OFDM		PI/2 BPSK	1	1	11.64	11.87	11.93
					1	53	11.28	11.28	11.28
					1	104	11.97	12.11	12.20
					50	0	11.32	11.51	11.28
					50	28	12.12	12.30	12.21
					50	56	11.07	11.14	11.11
					100	0	11.01	11.18	11.34
				QPSK	1	1	11.62	11.72	11.85
					1	53	11.22	11.49	11.41
					1	104	12.04	12.12	12.16
					50	0	10.16	10.44	10.28
					50	28	12.05	12.28	12.43
					50	56	10.96	11.11	11.12
					100	0	11.11	11.42	11.33
				16QAM	1	1	11.55	11.74	11.35
				64QAM	1	1	9.33	9.43	9.29
				256QAM	1	1	7.37	7.42	7.41
		CP-OFDM		QPSK	1	1	10.29	10.56	10.37

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.54	12.75	12.58
					1	67	12.15	12.11	12.20
					1	131	11.87	12.05	11.96
					64	0	11.10	11.38	11.32
					64	35	12.07	12.24	11.99
					64	69	10.91	11.06	11.02
					128	0	11.05	11.35	11.12
				QPSK	1	1	12.59	12.92	12.59
					1	67	12.09	12.39	12.13
					1	131	12.01	12.09	12.09
					64	0	10.32	10.34	10.14
					64	35	12.01	12.38	12.02
					64	69	11.07	11.23	10.98
					128	0	11.16	11.20	11.12
				16QAM	1	1	11.48	11.55	11.49
				64QAM	1	1	9.45	9.63	9.48
				256QAM	1	1	7.35	7.62	7.29
		CP-OFDM		QPSK	1	1	10.48	10.59	10.30
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.52	12.77	12.52
					1	81	12.00	12.15	12.18
					1	160	11.94	12.19	12.14
					81	0	11.39	11.28	11.30
					81	41	12.15	12.00	12.19
					81	81	11.00	11.16	11.19
					162	0	10.92	11.26	11.10
				QPSK	1	1	12.85	12.66	12.60
					1	81	11.96	12.36	12.28
					1	160	12.17	12.13	12.18
					81	0	10.19	10.41	10.33
					81	41	12.22	12.21	12.05
					81	81	11.14	11.07	11.08
					162	0	11.15	11.29	11.09
				16QAM	1	1	11.31	11.53	11.50
				64QAM	1	1	9.51	9.57	9.59
				256QAM	1	1	7.35	7.60	7.45
		CP-OFDM		QPSK	1	1	10.55	10.54	10.49

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	70	DFT-s OFDM	30	PI/2 BPSK	1	1	12.48	12.61	12.50
					1	95	12.12	12.13	12.25
					1	187	12.18	12.08	12.00
					90	0	11.20	11.40	11.32
					90	50	12.02	12.05	12.33
					90	99	10.96	11.09	11.11
					180	0	11.02	11.13	11.25
				QPSK	1	1	12.76	12.72	12.74
					1	95	12.27	12.40	12.08
					1	187	12.17	12.14	12.12
					90	0	10.34	10.45	10.36
					90	50	12.12	12.41	12.25
					90	99	11.08	11.19	11.17
					180	0	11.18	11.34	11.11
				16QAM	1	1	11.45	11.45	11.49
				64QAM	1	1	9.33	9.42	9.35
				256QAM	1	1	7.22	7.42	7.40
		CP-OFDM		QPSK	1	1	10.41	10.56	10.57
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.66	12.47	12.55
					1	109	12.00	12.27	12.17
					1	215	11.92	12.20	11.98
					108	0	11.42	10.52	11.35
					108	55	12.22	12.36	12.19
					108	109	11.04	11.05	11.21
					216	0	11.12	11.24	11.22
				QPSK	1	1	12.44	12.73	12.50
					1	109	12.13	12.27	12.12
					1	215	12.12	12.05	12.17
					108	0	10.41	10.50	10.27
					108	55	12.30	12.36	12.21
					108	109	11.05	11.31	11.11
					216	0	11.04	11.14	11.15
				16QAM	1	1	11.54	11.67	11.51
				64QAM	1	1	9.44	9.63	9.48
				256QAM	1	1	7.34	7.66	7.51
		CP-OFDM		QPSK	1	1	10.60	10.57	10.34

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	90	DFT-s OFDM	30	PI/2 BPSK	1	1	12.42	12.37	12.59
					1	123	12.30	12.31	12.31
					1	243	12.15	12.07	12.09
					120	0	11.41	11.34	11.29
					120	63	12.24	12.21	12.07
					120	125	11.17	11.21	11.21
					243	0	11.10	11.04	11.16
				QPSK	1	1	12.70	12.51	12.73
					1	123	12.34	12.36	12.35
					1	243	12.23	12.21	12.12
					120	0	11.40	11.47	11.48
					120	63	12.03	12.37	12.20
					120	125	11.21	11.07	11.23
					243	0	11.28	11.36	11.02
				16QAM	1	1	11.65	11.61	11.64
				64QAM	1	1	9.52	9.46	9.61
				256QAM	1	1	7.42	7.48	7.65
		CP-OFDM		QPSK	1	1	10.45	10.40	10.52
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	12.52	-
					1	137	-	12.40	-
					1	271	-	12.11	-
					135	0	-	11.39	-
					135	69	-	12.26	-
					135	138	-	11.28	-
					270	0	-	11.09	-
				QPSK	1	1	-	12.67	-
					1	137	-	12.32	-
					1	271	-	12.28	-
					135	0	-	11.44	-
					135	69	-	12.27	-
					135	138	-	11.26	-
					270	0	-	11.36	-
				16QAM	1	1	-	11.77	-
				64QAM	1	1	-	9.52	-
				256QAM	1	1	-	7.62	-
		CP-OFDM		QPSK	1	1	-	10.51	-

NR Band n78 Lower (SRS3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	10	DFT-s OFDM	30	PI/2 BPSK	1	1	16.87	16.77	16.69
					1	12	16.38	16.10	15.97
					1	22	16.13	16.06	16.23
					12	0	15.30	15.00	15.20
					12	6	16.36	15.95	16.03
					12	12	15.74	15.50	15.36
					24	0	15.41	15.16	15.03
				QPSK	1	1	16.78	16.99	16.65
					1	12	16.31	16.19	16.19
					1	22	16.27	16.12	16.13
					12	0	15.48	15.23	15.21
					12	6	16.22	16.19	16.00
					12	12	15.54	15.42	15.36
					24	0	15.30	15.29	15.17
				16QAM	1	1	15.09	14.97	15.04
				64QAM	1	1	14.07	13.81	13.91
				256QAM	1	1	11.99	12.09	11.98
		CP-OFDM		QPSK	1	1	15.01	14.88	14.84
	15	DFT-s OFDM		PI/2 BPSK	1	1	15.99	16.62	16.66
					1	19	16.33	16.04	16.18
					1	36	16.34	16.23	15.98
					18	0	15.33	15.13	15.25
					18	10	16.35	16.20	16.10
					18	20	15.74	15.46	15.49
					36	0	15.40	15.00	15.25
				QPSK	1	1	15.87	16.91	16.81
					1	19	16.31	16.24	16.28
					1	36	16.30	16.24	16.15
					18	0	15.38	15.18	15.12
					18	10	16.26	16.28	16.24
					18	20	15.55	15.50	15.41
					36	0	15.39	15.19	15.29
				16QAM	1	1	15.21	15.03	15.18
				64QAM	1	1	14.09	14.08	14.03
				256QAM	1	1	12.07	12.04	11.89
		CP-OFDM		QPSK	1	1	15.10	15.06	14.90

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	20	DFT-s OFDM	30	PI/2 BPSK	1	1	15.92	16.77	16.62
					1	26	16.31	16.23	16.21
					1	49	16.13	15.95	15.89
					25	0	15.53	15.23	15.32
					25	13	16.24	16.18	16.11
					25	26	15.66	15.52	15.38
					50	0	15.20	14.93	15.07
				QPSK	1	1	15.95	16.78	16.65
					1	26	16.37	16.17	16.15
					1	49	16.21	16.19	15.95
					25	0	15.50	15.28	15.11
					25	13	16.24	16.02	16.02
					25	26	15.79	15.69	15.41
					50	0	15.29	15.18	15.12
				16QAM	1	1	15.22	15.04	15.12
				64QAM	1	1	14.24	13.96	13.91
				256QAM	1	1	12.04	12.12	12.07
		CP-OFDM		QPSK	1	1	15.06	14.92	15.00
	25	DFT-s OFDM		PI/2 BPSK	1	1	16.03	16.56	16.60
					1	33	16.20	16.07	15.93
					1	63	16.08	15.98	15.87
					32	0	15.48	14.99	15.27
					32	17	16.12	16.04	15.92
					32	33	15.60	15.30	15.46
					64	0	15.15	14.98	15.07
				QPSK	1	1	15.99	16.85	16.71
					1	33	16.28	16.07	15.87
					1	63	16.24	16.12	15.92
					32	0	15.32	15.17	15.15
					32	17	16.15	16.19	16.05
					32	33	15.81	15.47	15.55
					64	0	15.09	15.15	15.19
				16QAM	1	1	15.07	15.10	15.09
				64QAM	1	1	14.10	13.98	13.91
				256QAM	1	1	12.03	12.01	11.79
		CP-OFDM		QPSK	1	1	15.07	15.10	14.99

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	30	DFT-s OFDM	30	PI/2 BPSK	1	1	16.07	16.63	16.64
					1	39	16.17	16.07	15.94
					1	76	16.14	16.06	15.90
					36	0	15.57	15.08	15.28
					36	21	16.21	16.12	16.00
					36	42	15.69	15.39	15.54
					75	0	15.21	14.97	15.11
				QPSK	1	1	16.03	16.93	16.73
					1	39	16.32	16.17	15.97
					1	76	16.27	16.10	15.93
					36	0	15.32	15.18	15.17
					36	21	16.23	16.16	16.09
					36	42	15.78	15.51	15.65
					75	0	15.12	15.12	15.24
				16QAM	1	1	15.17	15.10	15.11
				64QAM	1	1	14.19	14.04	13.97
				256QAM	1	1	12.10	12.05	11.87
		CP-OFDM		QPSK	1	1	15.06	15.08	14.98
	40	DFT-s OFDM		PI/2 BPSK	1	1	16.02	16.72	16.65
					1	53	16.25	16.19	15.98
					1	104	16.18	16.02	16.08
					50	0	15.45	15.11	15.26
					50	28	16.19	16.23	16.03
					50	56	15.65	15.39	15.44
					100	0	15.27	15.29	15.01
				QPSK	1	1	15.88	16.88	16.64
					1	53	16.31	16.20	16.07
					1	104	16.09	16.17	15.95
					50	0	15.60	15.33	15.20
					50	28	16.45	16.04	16.22
					50	56	15.62	15.38	15.44
					100	0	15.38	15.02	15.25
				16QAM	1	1	15.04	14.97	15.03
				64QAM	1	1	14.11	14.09	13.93
				256QAM	1	1	12.01	11.88	11.79
		CP-OFDM		QPSK	1	1	15.06	14.95	15.02

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	50	DFT-s OFDM	30	PI/2 BPSK	1	1	15.83	16.56	16.64
					1	67	16.45	16.02	16.22
					1	131	16.05	15.89	16.10
					64	0	15.45	15.30	15.33
					64	35	16.27	16.04	16.05
					64	69	15.62	15.37	15.40
					128	0	15.41	14.98	14.92
				QPSK	1	1	15.81	16.64	16.74
					1	67	16.48	16.09	16.09
					1	131	16.32	16.18	15.97
					64	0	15.40	15.20	15.23
					64	35	16.46	16.24	16.18
					64	69	15.71	15.45	15.55
					128	0	15.21	15.04	15.05
				16QAM	1	1	15.22	15.02	14.94
				64QAM	1	1	14.07	13.95	13.89
				256QAM	1	1	12.19	11.96	11.99
		CP-OFDM		QPSK	1	1	15.06	15.03	15.00
	60	DFT-s OFDM		PI/2 BPSK	1	1	16.69	16.69	16.57
					1	81	16.12	16.05	16.24
					1	160	16.21	16.08	16.15
					81	0	15.44	15.15	15.34
					81	41	16.22	16.07	16.19
					81	81	15.64	15.25	15.48
					162	0	15.05	15.07	15.15
				QPSK	1	1	16.78	16.82	16.57
					1	81	16.12	16.22	16.11
					1	160	16.22	15.97	15.94
					81	0	15.59	15.29	15.28
					81	41	16.37	16.14	16.13
					81	81	15.74	15.50	15.35
					162	0	15.36	15.17	14.99
				16QAM	1	1	15.13	14.87	15.12
				64QAM	1	1	14.19	14.00	13.98
				256QAM	1	1	12.16	12.09	11.99
		CP-OFDM		QPSK	1	1	15.22	14.76	14.78

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	70	DFT-s OFDM	30	PI/2 BPSK	1	1	16.63	16.44	16.64
					1	95	16.33	16.25	16.02
					1	187	16.14	16.08	15.97
					90	0	15.39	15.16	15.41
					90	50	16.17	15.93	16.07
					90	99	15.78	15.55	15.57
					180	0	15.36	15.19	15.19
				QPSK	1	1	16.62	16.42	16.67
					1	95	16.32	16.14	16.04
					1	187	16.11	15.97	15.91
					90	0	15.37	15.34	15.28
					90	50	16.40	16.21	16.17
					90	99	15.56	15.42	15.48
					180	0	15.40	15.10	15.22
				16QAM	1	1	15.20	15.03	14.83
				64QAM	1	1	14.04	13.93	13.88
				256QAM	1	1	12.32	12.07	11.88
		CP-OFDM		QPSK	1	1	15.06	15.02	14.99
	80	DFT-s OFDM		PI/2 BPSK	1	1	16.75	16.34	16.42
					1	109	16.10	16.10	16.15
					1	215	16.01	15.88	15.85
					108	0	15.52	15.16	15.24
					108	55	16.15	16.07	15.97
					108	109	15.59	15.40	15.40
					216	0	15.18	15.22	14.97
				QPSK	1	1	16.78	16.59	16.44
					1	109	16.30	16.15	16.05
					1	215	15.97	16.02	15.90
					108	0	15.40	15.25	15.24
					108	55	16.24	16.29	16.21
					108	109	15.56	15.63	15.47
					216	0	15.14	15.06	15.14
				16QAM	1	1	15.14	15.12	14.93
				64QAM	1	1	14.26	13.93	14.13
				256QAM	1	1	12.14	11.87	11.90
		CP-OFDM		QPSK	1	1	15.13	14.86	15.01

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	90	DFT-s OFDM	30	PI/2 BPSK	1	1	16.55	16.38	16.23
					1	123	16.05	16.02	15.90
					1	243	15.84	15.93	15.84
					120	0	15.40	15.25	15.23
					120	63	16.04	15.89	15.85
					120	125	15.40	15.62	15.24
					243	0	15.09	14.96	14.88
				QPSK	1	1	16.63	16.51	16.37
					1	123	16.19	16.12	15.96
					1	243	15.98	15.90	15.72
					120	0	15.22	15.30	15.04
					120	63	16.11	16.20	15.91
					120	125	15.47	15.63	15.39
					243	0	15.04	15.01	14.84
				16QAM	1	1	15.05	15.09	14.81
				64QAM	1	1	14.05	14.05	13.93
				256QAM	1	1	12.17	11.93	11.84
		CP-OFDM		QPSK	1	1	14.91	14.92	14.85
	100	DFT-s OFDM		PI/2 BPSK	1	1	-	16.66	-
					1	137	-	16.21	-
					1	271	-	16.08	-
					135	0	-	15.40	-
					135	69	-	16.22	-
					135	138	-	15.89	-
					270	0	-	16.16	-
				QPSK	1	1	-	16.88	-
					1	137	-	16.08	-
					1	271	-	16.16	-
					135	0	-	15.48	-
					135	69	-	16.11	-
					135	138	-	15.85	-
					270	0	-	14.99	-
				16QAM	1	1	-	15.08	-
				64QAM	1	1	-	14.15	-
				256QAM	1	1	-	11.98	-
		CP-OFDM		QPSK	1	1	-	14.98	-

NR Band n78 IC (SRS1)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	10	DFT-s OFDM	30	PI/2 BPSK	1	1	12.09	12.67	12.14
					1	12	12.03	12.20	11.77
					1	22	11.54	12.26	12.23
					12	0	12.16	11.88	11.38
					12	6	12.91	11.93	12.66
					12	12	11.72	11.44	11.58
					24	0	11.96	11.76	11.64
				QPSK	1	1	12.15	11.90	12.32
					1	12	12.04	11.78	11.78
					1	22	11.57	12.00	12.20
					12	0	11.25	10.89	11.31
					12	6	12.05	12.07	12.94
					12	12	11.72	11.02	11.52
					24	0	11.81	11.00	11.78
				16QAM	1	1	12.00	11.49	11.09
				64QAM	1	1	10.12	10.25	10.21
				256QAM	1	1	8.09	8.37	8.34
		CP-OFDM		QPSK	1	1	10.99	11.31	10.95
	15	DFT-s OFDM		PI/2 BPSK	1	1	12.05	12.58	11.97
					1	19	11.95	12.00	12.05
					1	36	11.64	12.51	12.14
					18	0	12.19	12.07	12.12
					18	10	11.98	12.02	11.78
					18	20	11.66	11.63	11.47
					36	0	11.96	11.97	11.65
				QPSK	1	1	12.14	12.03	12.15
					1	19	12.04	11.83	11.71
					1	36	11.61	11.92	12.28
					18	0	11.12	11.78	11.37
					18	10	12.82	11.86	12.75
					18	20	11.71	11.16	11.59
					36	0	11.80	11.01	11.83
				16QAM	1	1	11.13	11.34	11.05
				64QAM	1	1	10.06	10.19	10.21
				256QAM	1	1	8.15	8.25	8.23
		CP-OFDM		QPSK	1	1	10.95	11.32	10.97

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.01	12.79	12.31
					1	26	11.94	11.91	12.01
					1	49	11.62	12.49	12.42
					25	0	12.19	12.02	11.51
					25	13	12.84	11.89	12.80
					25	26	11.64	11.79	11.40
					50	0	11.86	11.96	11.66
				QPSK	1	1	12.19	12.39	12.18
					1	26	12.03	12.08	11.94
					1	49	11.71	12.13	12.19
					25	0	11.07	11.84	11.24
					25	13	12.91	12.04	12.80
					25	26	11.72	11.09	11.61
					50	0	11.02	11.01	11.76
				16QAM	1	1	11.98	11.13	11.16
				64QAM	1	1	9.97	10.38	10.20
				256QAM	1	1	7.98	8.38	7.98
		CP-OFDM		QPSK	1	1	11.06	11.30	10.93
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.10	12.42	12.21
					1	33	11.79	12.03	11.81
					1	63	11.47	12.08	12.22
					32	0	12.26	11.91	12.38
					32	17	12.79	11.96	12.82
					32	33	11.55	11.38	11.44
					64	0	11.94	12.06	11.66
				QPSK	1	1	11.96	11.94	12.32
					1	33	11.79	11.81	11.83
					1	63	11.68	12.26	12.08
					32	0	11.13	10.94	11.32
					32	17	12.85	12.08	12.83
					32	33	11.63	10.82	11.50
					64	0	11.87	11.73	11.72
				16QAM	1	1	11.03	11.31	11.21
				64QAM	1	1	9.92	10.21	10.11
				256QAM	1	1	8.02	8.15	8.08
		CP-OFDM		QPSK	1	1	11.00	11.26	11.04

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.14	12.39	12.19
					1	39	11.83	12.02	11.79
					1	76	11.48	12.16	12.24
					36	0	12.23	11.95	12.37
					36	21	12.89	12.02	12.84
					36	42	11.62	11.42	11.49
					75	0	11.97	12.04	11.64
				QPSK	1	1	12.01	11.94	12.40
					1	39	11.84	11.79	11.91
					1	76	11.67	12.32	12.15
					36	0	11.12	11.02	11.37
					36	21	12.95	12.15	12.81
					36	42	11.72	10.86	11.50
					75	0	11.96	11.77	11.78
				16QAM	1	1	11.09	11.32	11.21
				64QAM	1	1	9.92	10.30	10.08
				256QAM	1	1	8.10	8.23	8.11
		CP-OFDM		QPSK	1	1	10.98	11.25	11.13
	40	DFT-s OFDM		PI/2 BPSK	1	1	12.08	12.58	11.99
					1	53	12.02	11.97	11.90
					1	104	11.61	12.50	12.26
					50	0	12.07	12.16	12.49
					50	28	12.81	11.86	12.85
					50	56	11.61	11.51	11.52
					100	0	11.94	11.90	11.66
				QPSK	1	1	11.99	11.87	12.05
					1	53	11.85	12.12	11.83
					1	104	11.56	12.51	12.24
					50	0	11.10	10.92	11.26
					50	28	12.90	12.21	12.71
					50	56	11.64	11.20	11.58
					100	0	11.79	10.82	11.58
				16QAM	1	1	11.12	11.26	11.29
				64QAM	1	1	9.92	10.19	10.11
				256QAM	1	1	8.06	8.36	8.19
		CP-OFDM		QPSK	1	1	11.00	10.98	11.18

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.09	12.69	12.21
					1	67	11.97	11.88	11.55
					1	131	11.62	12.57	12.08
					64	0	12.23	11.96	12.14
					64	35	12.78	12.67	12.80
					64	69	11.82	11.64	11.69
					128	0	11.97	11.95	11.73
				QPSK	1	1	12.14	12.39	12.42
					1	67	12.01	11.98	11.98
					1	131	11.48	12.13	12.29
					64	0	11.01	11.36	11.34
					64	35	12.91	11.94	12.56
					64	69	11.80	10.90	11.53
					128	0	11.87	11.22	11.72
				16QAM	1	1	11.04	11.41	11.26
				64QAM	1	1	9.95	10.24	10.27
				256QAM	1	1	8.11	8.45	8.15
		CP-OFDM		QPSK	1	1	11.02	11.30	11.32
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.11	12.62	12.30
					1	81	11.84	11.82	11.71
					1	160	11.68	12.42	12.36
					81	0	12.19	12.18	12.30
					81	41	11.99	11.95	12.34
					81	81	11.78	11.73	11.40
					162	0	11.85	11.91	11.44
				QPSK	1	1	12.15	12.76	12.21
					1	81	11.81	11.95	11.90
					1	160	11.52	12.33	12.33
					81	0	11.17	11.25	11.19
					81	41	12.02	11.91	12.59
					81	81	11.66	11.95	11.48
					162	0	11.78	10.99	11.78
				16QAM	1	1	11.06	11.32	11.18
				64QAM	1	1	10.03	10.17	10.23
				256QAM	1	1	7.97	8.22	8.20
		CP-OFDM		QPSK	1	1	11.05	11.17	11.17

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	70	DFT-s OFDM	30	PI/2 BPSK	1	1	11.96	12.55	11.98
					1	95	12.01	11.95	11.65
					1	187	11.50	12.29	12.14
					90	0	12.06	12.09	12.17
					90	50	12.80	12.03	12.75
					90	99	11.81	11.58	11.80
					180	0	11.89	11.93	11.46
				QPSK	1	1	12.02	12.48	12.23
					1	95	11.87	12.09	11.91
					1	187	11.48	12.34	12.17
					90	0	11.03	11.31	11.49
					90	50	12.89	11.84	12.78
					90	99	11.70	10.90	11.55
					180	0	11.94	11.04	11.70
				16QAM	1	1	11.97	11.13	11.33
				64QAM	1	1	9.94	10.06	10.22
				256QAM	1	1	7.92	8.44	8.29
		CP-OFDM		QPSK	1	1	10.99	10.97	10.94
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.15	12.57	12.28
					1	109	11.87	11.94	11.95
					1	215	11.65	12.49	12.28
					108	0	12.22	11.97	11.44
					108	55	12.81	12.01	12.70
					108	109	11.81	11.33	11.75
					216	0	12.01	12.09	11.88
				QPSK	1	1	12.18	12.37	12.25
					1	109	11.94	12.07	11.57
					1	215	11.57	12.51	12.27
					108	0	11.10	11.05	11.44
					108	55	12.95	12.02	12.83
					108	109	11.84	11.32	11.49
					216	0	11.91	11.71	11.81
				16QAM	1	1	11.05	11.18	11.21
				64QAM	1	1	10.12	10.09	10.19
				256QAM	1	1	8.10	8.28	8.10
		CP-OFDM		QPSK	1	1	11.11	11.24	11.16

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	90	DFT-s OFDM	30	PI/2 BPSK	1	1	11.97	12.64	12.26
					1	123	11.82	11.79	11.91
					1	243	11.69	12.50	12.33
					120	0	12.05	12.24	12.46
					120	63	12.92	11.98	12.82
					120	125	11.78	11.38	11.65
					243	0	11.81	11.87	11.71
				QPSK	1	1	12.14	12.46	12.13
					1	123	12.02	12.07	11.90
					1	243	11.49	12.48	11.94
					120	0	11.02	11.30	11.26
					120	63	12.96	11.91	12.50
					120	125	11.66	11.31	11.73
					243	0	11.90	11.84	11.74
				16QAM	1	1	12.00	11.39	11.31
				64QAM	1	1	9.99	10.33	10.03
				256QAM	1	1	7.95	8.29	8.33
		CP-OFDM		QPSK	1	1	10.97	11.16	11.11
	100	DFT-s OFDM		PI/2 BPSK	1	1	12.10	12.50	12.28
					1	137	11.97	12.04	11.84
					1	271	11.63	12.40	12.33
					135	0	12.14	12.01	12.25
					135	69	12.93	11.97	12.88
					135	138	11.76	11.64	11.73
					270	0	11.93	11.79	11.69
				QPSK	1	1	12.09	12.99	12.07
					1	137	11.96	12.01	11.87
					1	271	11.62	12.45	12.13
					135	0	11.16	10.94	11.40
					135	69	12.94	12.01	12.78
					135	138	11.74	11.45	11.65
					270	0	11.92	11.89	11.78
				16QAM	1	1	11.10	11.28	11.31
				64QAM	1	1	10.05	10.28	10.00
				256QAM	1	1	8.07	8.37	8.03
		CP-OFDM		QPSK	1	1	11.09	11.12	11.32

NR Band n78 IC (SRS2)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	10	DFT-s OFDM	30	PI/2 BPSK	1	1	12.76	12.07	12.00
					1	12	12.01	12.68	12.66
					1	22	12.77	12.31	12.30
					12	0	11.97	11.90	12.23
					12	6	12.04	12.65	12.77
					12	12	11.89	11.55	11.76
					24	0	11.90	11.45	11.82
				QPSK	1	1	12.79	12.72	12.06
					1	12	12.09	12.62	12.78
					1	22	12.70	12.75	12.22
					12	0	11.17	11.60	11.40
					12	6	12.07	12.80	12.66
					12	12	11.88	11.70	11.65
					24	0	11.91	11.61	11.47
				16QAM	1	1	11.93	10.81	11.15
				64QAM	1	1	9.66	9.76	10.08
				256QAM	1	1	7.81	7.91	8.20
		CP-OFDM		QPSK	1	1	10.72	10.97	11.07
	15	DFT-s OFDM		PI/2 BPSK	1	1	12.73	12.73	12.05
					1	19	11.93	12.75	12.59
					1	36	12.89	12.50	12.20
					18	0	12.11	11.85	12.33
					18	10	11.93	12.82	12.67
					18	20	11.76	11.37	11.47
					36	0	12.00	11.79	11.72
				QPSK	1	1	12.91	12.82	12.38
					1	19	12.01	12.72	12.84
					1	36	12.81	12.85	12.37
					18	0	11.10	11.63	11.28
					18	10	11.96	12.51	12.83
					18	20	11.94	11.57	11.62
					36	0	11.97	11.73	11.71
				16QAM	1	1	11.71	10.88	11.05
				64QAM	1	1	9.70	9.94	10.00
				256QAM	1	1	7.64	7.62	8.33
		CP-OFDM		QPSK	1	1	10.70	10.95	11.05

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	20	DFT-s OFDM	30	PI/2 BPSK	1	1	12.92	12.83	12.28
					1	26	12.12	12.89	12.65
					1	49	12.84	12.44	12.07
					25	0	12.07	11.90	12.45
					25	13	12.04	12.74	12.83
					25	26	11.88	12.26	11.88
					50	0	11.95	11.78	11.71
				QPSK	1	1	12.80	12.97	12.32
					1	26	11.99	12.82	12.78
					1	49	12.71	12.70	12.30
					25	0	10.93	11.76	11.28
					25	13	12.09	12.68	12.80
					25	26	11.78	11.59	11.74
					50	0	11.91	11.82	11.54
				16QAM	1	1	11.83	11.83	11.10
				64QAM	1	1	9.84	9.94	10.14
				256QAM	1	1	7.71	7.62	8.00
		CP-OFDM		QPSK	1	1	10.85	10.74	11.02
	25	DFT-s OFDM		PI/2 BPSK	1	1	12.83	11.99	11.99
					1	33	12.11	12.51	12.83
					1	63	12.74	12.29	12.35
					32	0	12.19	11.81	12.21
					32	17	11.77	12.69	12.85
					32	33	11.95	11.64	11.53
					64	0	11.85	11.69	11.81
				QPSK	1	1	12.89	12.63	12.30
					1	33	11.92	12.74	12.85
					1	63	12.80	11.97	12.30
					32	0	11.08	11.57	11.26
					32	17	12.04	12.66	12.73
					32	33	11.85	11.76	11.43
					64	0	11.87	11.63	11.63
				16QAM	1	1	11.82	11.82	11.29
				64QAM	1	1	9.76	9.77	10.04
				256QAM	1	1	7.72	7.90	8.04
		CP-OFDM		QPSK	1	1	10.65	10.75	10.80

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	30	DFT-s OFDM	30	PI/2 BPSK	1	1	12.92	12.00	12.07
					1	39	12.10	12.55	12.92
					1	76	12.79	12.30	12.32
					36	0	12.17	11.87	12.28
					36	21	11.85	12.72	12.94
					36	42	12.00	11.67	11.51
					75	0	11.94	11.70	11.88
				QPSK	1	1	12.92	12.64	12.28
					1	39	11.91	12.84	12.95
					1	76	12.88	12.02	12.29
					36	0	11.14	11.56	11.33
					36	21	12.09	12.76	12.71
					36	42	11.93	11.79	11.48
					75	0	11.95	11.64	11.67
				16QAM	1	1	11.88	11.84	11.36
				64QAM	1	1	9.84	9.84	10.06
				256QAM	1	1	7.71	7.93	8.01
		CP-OFDM		QPSK	1	1	10.63	10.84	10.82
	40	DFT-s OFDM		PI/2 BPSK	1	1	12.87	12.90	12.28
					1	53	12.00	12.66	12.73
					1	104	12.85	12.29	12.31
					50	0	12.05	11.63	12.38
					50	28	11.89	12.55	12.74
					50	56	11.94	11.42	11.61
					100	0	11.97	11.68	11.47
				QPSK	1	1	12.94	12.59	12.29
					1	53	12.05	12.62	12.89
					1	104	12.74	12.20	12.17
					50	0	11.09	11.75	11.12
					50	28	11.88	12.70	12.62
					50	56	11.98	10.94	11.52
					100	0	11.84	11.61	11.66
				16QAM	1	1	11.87	11.90	11.28
				64QAM	1	1	9.85	9.89	10.19
				256QAM	1	1	7.73	7.97	7.97
		CP-OFDM		QPSK	1	1	10.68	10.80	10.95

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	50	DFT-s OFDM	30	PI/2 BPSK	1	1	12.77	11.79	12.27
					1	67	12.08	12.71	12.69
					1	131	12.90	12.30	12.14
					64	0	12.00	11.96	12.16
					64	35	11.88	12.60	12.84
					64	69	11.90	12.27	11.82
					128	0	12.02	11.64	11.49
				QPSK	1	1	12.73	11.88	12.29
					1	67	12.08	12.91	12.69
					1	131	12.94	12.76	12.32
					64	0	11.13	11.78	11.31
					64	35	11.91	12.62	12.64
					64	69	11.78	11.59	11.80
					128	0	11.83	11.72	11.67
				16QAM	1	1	11.84	11.04	10.97
				64QAM	1	1	9.82	9.98	10.12
				256QAM	1	1	7.84	7.88	7.97
		CP-OFDM		QPSK	1	1	10.61	10.68	11.16
	60	DFT-s OFDM		PI/2 BPSK	1	1	12.74	12.02	12.13
					1	81	12.05	12.69	11.98
					1	160	12.88	12.10	12.06
					81	0	12.09	11.63	12.06
					81	41	12.06	12.72	12.79
					81	81	11.88	11.39	11.71
					162	0	11.90	11.76	11.71
				QPSK	1	1	12.91	12.01	12.21
					1	81	11.90	12.61	12.72
					1	160	12.94	11.85	12.32
					81	0	11.10	11.75	11.11
					81	41	12.08	12.59	12.95
					81	81	11.96	11.55	11.54
					162	0	11.98	11.58	11.96
				16QAM	1	1	11.82	10.98	10.98
				64QAM	1	1	9.87	9.66	10.20
				256QAM	1	1	7.79	7.93	8.17
		CP-OFDM		QPSK	1	1	10.82	10.74	11.09

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	70	DFT-s OFDM	30	PI/2 BPSK	1	1	12.71	12.88	12.23
					1	95	11.96	12.75	12.91
					1	187	12.92	12.10	12.16
					90	0	11.95	11.57	12.16
					90	50	12.10	12.76	12.91
					90	99	11.76	12.38	11.62
					180	0	11.92	11.65	11.52
				QPSK	1	1	12.89	11.83	12.41
					1	95	11.94	12.77	12.71
					1	187	12.93	12.39	12.22
					90	0	10.99	11.73	11.22
					90	50	12.07	12.69	12.74
					90	99	11.78	11.85	11.50
					180	0	11.85	11.65	11.62
				16QAM	1	1	11.82	10.98	11.15
				64QAM	1	1	9.67	9.98	9.84
				256QAM	1	1	7.75	7.96	8.11
		CP-OFDM		QPSK	1	1	10.77	10.66	10.93
	80	DFT-s OFDM		PI/2 BPSK	1	1	12.78	12.65	12.17
					1	109	12.07	12.81	12.79
					1	215	12.72	12.08	12.28
					108	0	12.11	11.83	12.42
					108	55	12.09	12.72	12.80
					108	109	11.75	12.26	11.59
					216	0	11.93	11.48	11.70
				QPSK	1	1	12.86	12.07	12.17
					1	109	11.98	12.69	12.78
					1	215	12.92	12.52	12.36
					108	0	11.15	11.89	11.38
					108	55	12.09	12.69	12.72
					108	109	11.92	10.93	11.47
					216	0	11.84	11.46	11.78
				16QAM	1	1	11.85	11.91	11.09
				64QAM	1	1	9.84	9.69	10.14
				256QAM	1	1	7.83	7.80	8.13
		CP-OFDM		QPSK	1	1	10.60	10.72	10.87

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	90	DFT-s OFDM	30	PI/2 BPSK	1	1	12.73	12.65	12.19
					1	123	11.95	12.68	12.83
					1	243	12.81	12.29	12.20
					120	0	12.14	11.72	12.22
					120	63	12.04	12.76	12.81
					120	125	11.94	11.64	11.71
					243	0	11.86	11.67	11.69
				QPSK	1	1	12.87	12.80	12.22
					1	123	11.89	12.80	12.96
					1	243	12.83	12.53	12.44
					120	0	11.14	11.77	11.38
					120	63	12.00	12.54	12.53
					120	125	11.99	11.22	11.51
					243	0	11.91	11.46	11.62
				16QAM	1	1	11.75	10.79	10.91
				64QAM	1	1	9.78	9.71	10.00
				256QAM	1	1	7.82	7.82	7.93
		CP-OFDM		QPSK	1	1	10.62	10.83	11.21
	100	DFT-s OFDM		PI/2 BPSK	1	1	12.85	12.02	12.28
					1	137	12.02	12.72	12.78
					1	271	12.86	12.44	12.42
					135	0	12.08	11.76	12.26
					135	69	12.00	12.58	12.86
					135	138	11.90	11.44	11.54
					270	0	11.93	11.58	11.81
				QPSK	1	1	12.82	12.89	12.08
					1	137	12.01	12.73	12.89
					1	271	12.84	12.33	12.24
					135	0	11.07	11.63	11.20
					135	69	12.02	12.85	12.66
					135	138	11.90	11.37	11.66
					270	0	11.95	11.63	11.61
				16QAM	1	1	11.83	10.85	11.11
				64QAM	1	1	9.80	9.94	10.00
				256QAM	1	1	7.79	7.85	8.22
		CP-OFDM		QPSK	1	1	10.75	10.93	11.04

NR Band n78 IC (SRS3)

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	10	DFT-s OFDM	30	PI/2 BPSK	1	1	16.72	16.25	16.21
					1	12	16.91	16.05	16.30
					1	22	16.61	16.13	16.42
					12	0	16.00	16.16	15.26
					12	6	16.87	16.12	16.44
					12	12	15.67	15.37	16.00
					24	0	15.68	15.91	15.44
				QPSK	1	1	16.60	16.00	15.96
					1	12	16.91	16.10	16.51
					1	22	16.52	15.85	16.34
					12	0	15.85	14.94	15.55
					12	6	16.82	15.93	16.48
					12	12	15.65	14.94	15.03
					24	0	15.76	14.87	15.32
				16QAM	1	1	15.81	15.28	15.26
				64QAM	1	1	13.80	14.27	13.08
				256QAM	1	1	11.77	12.47	11.05
		CP-OFDM		QPSK	1	1	14.84	15.44	14.23
	15	DFT-s OFDM		PI/2 BPSK	1	1	16.64	16.25	16.25
					1	19	16.92	15.86	16.41
					1	36	16.67	16.15	16.22
					18	0	15.94	16.04	15.38
					18	10	16.85	16.78	16.52
					18	20	15.68	15.41	16.00
					36	0	15.84	15.73	15.59
				QPSK	1	1	16.69	16.02	16.24
					1	19	16.95	16.00	16.58
					1	36	16.61	16.07	16.24
					18	0	15.97	15.05	15.56
					18	10	16.72	15.87	16.29
					18	20	15.60	14.92	14.80
					36	0	15.77	15.09	15.35
				16QAM	1	1	15.67	15.14	15.40
				64QAM	1	1	13.64	14.32	13.39
				256QAM	1	1	11.70	12.19	11.00
		CP-OFDM		QPSK	1	1	14.84	15.22	14.32

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	20	DFT-s OFDM	30	PI/2 BPSK	1	1	16.85	16.26	16.34
					1	26	16.75	16.81	16.57
					1	49	16.61	16.00	16.33
					25	0	16.08	16.13	15.47
					25	13	16.75	16.91	16.47
					25	26	15.59	16.29	15.91
					50	0	15.69	15.88	15.58
				QPSK	1	1	16.79	16.06	16.22
					1	26	16.76	15.91	16.54
					1	49	16.67	15.87	16.27
					25	0	15.92	14.91	15.13
					25	13	16.92	16.12	16.44
					25	26	15.60	14.75	15.02
					50	0	15.91	14.78	15.36
				16QAM	1	1	15.76	15.17	15.22
				64QAM	1	1	13.59	14.11	13.39
				256QAM	1	1	11.75	12.25	11.03
		CP-OFDM		QPSK	1	1	14.61	15.27	14.05
	25	DFT-s OFDM		PI/2 BPSK	1	1	16.51	16.17	16.29
					1	33	16.72	16.04	16.40
					1	63	16.65	15.90	16.37
					32	0	15.97	16.02	15.30
					32	17	16.80	15.82	16.38
					32	33	15.71	15.33	16.06
					64	0	15.60	15.87	15.57
				QPSK	1	1	16.57	15.97	16.17
					1	33	16.85	15.85	16.42
					1	63	16.67	16.28	16.26
					32	0	14.95	14.99	15.21
					32	17	16.83	16.02	16.56
					32	33	15.63	14.97	15.05
					64	0	15.73	14.95	15.57
				16QAM	1	1	15.63	15.09	14.97
				64QAM	1	1	13.58	14.09	13.13
				256QAM	1	1	11.85	12.29	11.01
		CP-OFDM		QPSK	1	1	14.87	15.21	14.38

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	30	DFT-s OFDM	30	PI/2 BPSK	1	1	16.60	16.23	16.31
					1	39	16.74	16.13	16.49
					1	76	16.67	15.91	16.34
					36	0	16.06	16.09	15.37
					36	21	16.88	15.91	16.46
					36	42	15.78	15.36	16.09
					75	0	15.69	15.87	15.64
				QPSK	1	1	16.62	16.02	16.26
					1	39	16.88	15.82	16.41
					1	76	16.71	16.27	16.26
					36	0	15.03	15.03	15.30
					36	21	16.84	16.03	16.62
					36	42	15.67	14.96	15.03
					75	0	15.71	14.97	15.57
				16QAM	1	1	15.72	15.19	15.04
				64QAM	1	1	13.68	14.06	13.19
				256QAM	1	1	11.82	12.37	11.04
		CP-OFDM		QPSK	1	1	14.85	15.27	14.39
	40	DFT-s OFDM		PI/2 BPSK	1	1	16.71	16.39	16.20
					1	53	16.76	16.09	16.49
					1	104	16.56	16.02	16.22
					50	0	16.05	16.05	15.48
					50	28	16.75	16.74	16.61
					50	56	15.63	16.26	15.94
					100	0	15.73	15.97	15.61
				QPSK	1	1	16.70	15.90	16.31
					1	53	16.90	15.96	16.53
					1	104	16.50	16.33	16.27
					50	0	15.06	14.86	15.30
					50	28	16.89	16.10	16.32
					50	56	15.72	15.14	15.07
					100	0	15.90	14.80	15.70
				16QAM	1	1	15.64	15.39	15.17
				64QAM	1	1	13.73	14.19	13.25
				256QAM	1	1	11.76	12.18	11.11
		CP-OFDM		QPSK	1	1	14.74	15.32	13.98

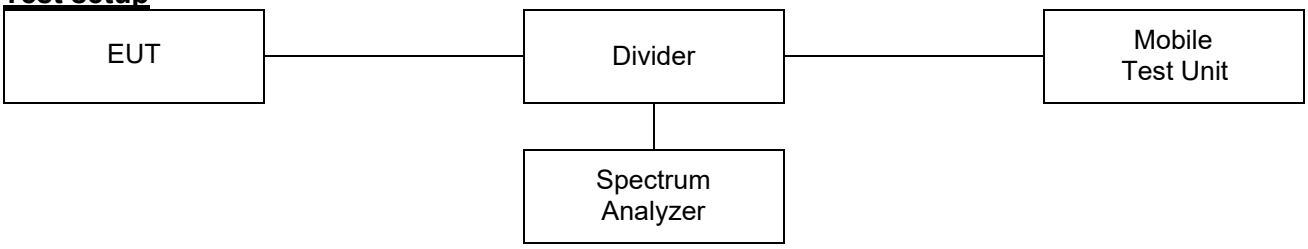
Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	50	DFT-s OFDM	30	PI/2 BPSK	1	1	16.65	16.25	16.26
					1	67	16.95	16.15	16.57
					1	131	16.58	16.06	16.34
					64	0	16.08	16.02	15.54
					64	35	16.93	15.89	16.56
					64	69	15.66	15.43	16.05
					128	0	15.70	15.82	15.47
				QPSK	1	1	16.61	16.43	16.19
					1	67	16.77	16.02	16.55
					1	131	16.57	15.86	16.06
					64	0	15.01	15.39	15.47
					64	35	16.96	16.24	16.31
					64	69	15.62	14.95	14.98
					128	0	15.80	15.02	15.53
				16QAM	1	1	15.70	15.33	15.26
				64QAM	1	1	13.61	14.27	13.21
				256QAM	1	1	11.74	12.24	10.90
		CP-OFDM		QPSK	1	1	14.78	15.32	14.11
	60	DFT-s OFDM		PI/2 BPSK	1	1	16.67	16.29	16.42
					1	81	16.77	15.94	16.62
					1	160	16.51	15.98	16.38
					81	0	16.01	16.20	15.06
					81	41	16.72	16.79	16.62
					81	81	15.70	15.71	15.95
					162	0	15.86	15.93	15.56
				QPSK	1	1	16.82	16.39	16.38
					1	81	16.86	15.91	16.45
					1	160	16.48	16.20	16.08
					81	0	15.05	15.33	15.10
					81	41	16.87	16.11	16.38
					81	81	15.82	15.90	15.09
					162	0	15.76	14.88	15.45
				16QAM	1	1	15.64	15.43	15.11
				64QAM	1	1	13.64	14.09	13.29
				256QAM	1	1	11.83	12.35	10.96
		CP-OFDM		QPSK	1	1	14.71	15.09	14.03

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	70	DFT-s OFDM	30	PI/2 BPSK	1	1	16.82	16.42	16.34
					1	95	16.96	16.73	16.42
					1	187	16.66	16.21	16.24
					90	0	15.88	16.14	15.11
					90	50	16.86	16.74	16.44
					90	99	15.79	15.68	16.15
					180	0	15.86	16.03	15.57
				QPSK	1	1	16.72	16.32	16.14
					1	95	16.98	16.13	16.48
					1	187	16.63	16.53	16.10
					90	0	15.95	15.11	15.13
					90	50	16.93	15.81	16.68
					90	99	15.60	14.89	14.84
					180	0	15.76	15.06	15.31
				16QAM	1	1	15.67	15.29	15.18
				64QAM	1	1	13.73	14.30	13.27
				256QAM	1	1	11.64	12.24	10.87
		CP-OFDM		QPSK	1	1	14.65	15.48	14.09
	80	DFT-s OFDM		PI/2 BPSK	1	1	16.83	16.15	16.07
					1	109	16.75	15.88	16.38
					1	215	16.60	16.21	16.31
					108	0	16.06	16.03	15.42
					108	55	16.83	16.86	16.55
					108	109	15.67	15.46	16.08
					216	0	15.69	15.92	15.42
				QPSK	1	1	16.73	16.34	16.39
					1	109	16.90	15.83	16.40
					1	215	16.59	16.43	16.40
					108	0	15.01	15.29	15.23
					108	55	16.76	15.96	16.36
					108	109	15.79	15.11	14.99
					216	0	15.73	15.85	15.51
				16QAM	1	1	15.73	15.39	15.18
				64QAM	1	1	13.56	14.29	13.32
				256QAM	1	1	11.66	12.22	11.17
		CP-OFDM		QPSK	1	1	14.70	15.27	14.09

Test Band	Bandwidth (㎒)	Waveform	SCS (㎑)	Modulation	RB size	RB offset	Maximum power		
							Frequency (㎒)		
							Low	Middle	High
NR n78	90	DFT-s OFDM	30	PI/2 BPSK	1	1	16.81	16.23	16.20
					1	123	16.80	15.97	16.59
					1	243	16.49	16.08	16.28
					120	0	16.00	16.04	15.28
					120	63	16.75	16.14	16.51
					120	125	15.75	15.68	16.05
					243	0	15.65	16.08	15.52
				QPSK	1	1	16.69	16.28	16.11
					1	123	16.83	15.79	16.51
					1	243	16.47	16.41	16.36
					120	0	15.06	15.15	15.25
					120	63	16.81	16.22	16.45
					120	125	15.81	15.41	14.98
					243	0	15.73	15.68	15.30
				16QAM	1	1	15.60	15.30	15.31
				64QAM	1	1	13.81	14.41	13.08
				256QAM	1	1	11.68	12.44	10.94
		CP-OFDM		QPSK	1	1	14.85	15.33	14.19
	100	DFT-s OFDM		PI/2 BPSK	1	1	16.75	16.30	16.41
					1	137	16.87	15.95	16.50
					1	271	16.60	16.08	16.27
					135	0	16.00	16.25	15.23
					135	69	16.86	15.93	16.64
					135	138	15.72	15.55	15.92
					270	0	15.80	15.83	15.55
				QPSK	1	1	16.74	16.24	16.17
					1	137	16.89	16.03	16.43
					1	271	16.62	16.02	16.33
					135	0	15.99	15.14	15.29
					135	69	16.86	15.93	16.61
					135	138	15.73	15.50	14.94
					270	0	15.81	15.96	15.50
				16QAM	1	1	15.75	15.16	15.19
				64QAM	1	1	13.71	14.32	13.31
				256QAM	1	1	11.75	12.43	10.91
		CP-OFDM		QPSK	1	1	14.75	15.23	14.29

7.2 99% Occupied Bandwidth & 26 dB Bandwidth

Test setup



Limit

According to §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 percent of the total mean power radiated by a given emission shall be measured.

Test procedure

971168 D01 v03r01 – Section 4.2 and 4.3
ANSI C63.26-2015 – Section 5.4.3 and 5.4.4

Test settings

◆ **26 dB Bandwidth**

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.

b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.

c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
See guidance provided in 4.2.3.

d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dBbelow the target "−X dB " requirement, i.e., if the requirement calls for measuring the −26 dBOBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.

e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.

f) Determine the reference value by either of the following:
   1) Set the EUT to transmit a modulated signal. Allow the trace to stabilize.
   Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
   2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.

g) Determine the "−X dB amplitude" as equal to (Reference Value − X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.

h) If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).

i) 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.

j) The spectral envelope can cross the "−X dB amplitude" at multiple points. The lowest or highest frequency shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the "−X dB amplitude."

k) 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).

◆ 99% Occupied Bandwidth

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (typically a span of 1.5 × OBW is sufficient).

b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.

c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.

d) Set the detection mode to peak, and the trace mode to max-hold.

e) 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.

f) The OBW shall be reported and 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).

Notes:

1. The EUT was setup to maximum output power with all bandwidth and modulation.

Test results

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n5	5	826.5	DFT-s OFDM	15	QPSK	5.36	4.53
					16QAM	5.46	4.56
		836.5			QPSK	5.33	4.55
					16QAM	5.32	4.52
		846.5			QPSK	5.27	4.53
					16QAM	5.42	4.53
	10	829.0	DFT-s OFDM		QPSK	10.02	8.99
					16QAM	10.02	9.02
		836.5			QPSK	10.09	8.97
					16QAM	9.94	9.02
		844.0			QPSK	10.06	9.02
					16QAM	10.06	8.99
	15	831.5	DFT-s OFDM		QPSK	14.87	13.56
					16QAM	14.80	13.45
		836.5			QPSK	14.84	13.52
					16QAM	14.80	13.49
		841.5			QPSK	14.76	13.49
					16QAM	14.69	13.45
	20	834.0	DFT-s OFDM		QPSK	19.68	18.03
					16QAM	19.63	18.03
		836.5			QPSK	19.63	18.03
					16QAM	19.58	17.98
		839.0			QPSK	19.63	17.98
					16QAM	19.53	18.03

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n12	5	701.5	DFT-s OFDM	15	QPSK	5.42	4.53
					16QAM	5.51	4.55
		707.5			QPSK	5.31	4.53
					16QAM	5.42	4.55
		713.5			QPSK	5.33	4.52
					16QAM	5.38	4.55
	10	704.0	DFT-s OFDM		QPSK	10.11	9.04
					16QAM	10.09	8.99
		707.5			QPSK	10.02	8.99
					16QAM	10.02	8.99
		711.0			QPSK	10.06	8.99
					16QAM	9.97	8.97
	15	706.5	DFT-s OFDM		QPSK	14.72	13.49
					16QAM	14.84	13.49
		707.5			QPSK	14.87	13.49
					16QAM	14.69	13.45
		708.5			QPSK	14.91	13.49
					16QAM	14.72	13.45

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n25/2	5	1 852.5	DFT-s OFDM	15	QPSK	5.38	4.53
					16QAM	5.34	4.51
		1 882.5			QPSK	5.33	4.53
					16QAM	5.48	4.53
		1 912.5			QPSK	5.38	4.53
					16QAM	5.34	4.53
	10	1 855.0	DFT-s OFDM		QPSK	10.06	8.99
					16QAM	9.99	8.99
		1 882.5			QPSK	10.11	8.99
					16QAM	9.99	8.99
		1 910.0			QPSK	10.04	8.99
					16QAM	9.94	9.02
	15	1 857.5	DFT-s OFDM		QPSK	14.84	13.49
					16QAM	14.80	13.49
		1 882.5			QPSK	14.80	13.49
					16QAM	14.72	13.45
		1 907.5			QPSK	14.87	13.49
					16QAM	14.72	13.41
	20	1 860.0	DFT-s OFDM		QPSK	19.73	17.98
					16QAM	19.63	17.98
		1 882.5			QPSK	19.63	17.98
					16QAM	19.73	17.98
		1 905.0			QPSK	19.63	18.03
					16QAM	19.63	17.98

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n30	5	2 307.5	DFT-s OFDM	15	QPSK	5.32	4.53
					16QAM	5.32	4.53
		2 310.0			QPSK	5.36	4.52
					16QAM	5.43	4.55
		2 312.5			QPSK	5.48	4.53
					16QAM	5.34	4.51
	10	2 310.0	DFT-s OFDM		QPSK	10.09	8.97
					16QAM	9.99	8.99

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n41 PC2 (FCC)	10	2 501.01	DFT-s OFDM	30	QPSK	10.21	8.69
					16QAM	10.39	8.69
		2 592.99			QPSK	10.24	8.64
					16QAM	10.29	8.64
		2 685.00			QPSK	10.14	8.67
					16QAM	10.29	8.62
	15	2 503.50	DFT-s OFDM		QPSK	14.76	13.00
					16QAM	14.91	12.96
		2 592.99			QPSK	15.02	12.92
					16QAM	14.72	12.92
		2 682.48			QPSK	14.91	12.96
					16QAM	14.76	12.96
	20	2 506.02	DFT-s OFDM		QPSK	20.43	18.08
					16QAM	20.18	18.03
		2 592.99			QPSK	20.43	18.03
					16QAM	20.03	18.03
		2 679.99			QPSK	20.08	17.98
					16QAM	20.13	18.08
	30	2 511.00	DFT-s OFDM		QPSK	30.27	27.27
					16QAM	30.12	27.27
		2 592.99			QPSK	30.12	27.27
					16QAM	30.27	27.20
		2 674.98			QPSK	30.12	27.35
					16QAM	30.19	27.27
	40	2 516.01	DFT-s OFDM		QPSK	39.26	36.06
					16QAM	39.16	36.06
		2 592.99			QPSK	39.06	36.06
					16QAM	39.16	36.06
		2 670.00			QPSK	39.06	35.96
					16QAM	39.06	36.06
	50	2 521.02	DFT-s OFDM		QPSK	50.57	45.95
					16QAM	50.57	45.95
		2 592.99			QPSK	50.57	45.95
					16QAM	50.57	45.83
		2 664.99			QPSK	49.70	45.95
					16QAM	50.20	46.08

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n41 PC2 (FCC)	60	2 526.00	DFT-s OFDM	30	QPSK	64.59	57.99
					16QAM	64.14	57.84
		2 592.99			QPSK	65.78	57.99
					16QAM	64.44	57.99
		2 659.98			QPSK	64.29	57.99
					16QAM	64.14	57.99
	70	2 531.01	DFT-s OFDM		QPSK	70.46	64.34
					16QAM	70.98	64.16
		2 592.99			QPSK	70.46	64.34
					16QAM	69.58	64.34
		2 655.00			QPSK	70.80	64.34
					16QAM	69.76	64.16
	80	2 536.02	DFT-s OFDM		QPSK	84.72	77.12
					16QAM	84.12	77.12
		2 592.99			QPSK	83.92	77.32
					16QAM	84.12	77.12
		2 649.99			QPSK	83.72	77.12
					16QAM	83.32	77.12
	90	2 541.00	DFT-s OFDM		QPSK	93.06	86.76
					16QAM	92.83	86.76
		2 592.99			QPSK	93.51	86.99
					16QAM	93.51	86.76
		2 644.98			QPSK	92.83	86.76
					16QAM	93.28	86.54
	100	2 546.01	DFT-s OFDM		QPSK	104.40	96.65
					16QAM	104.40	96.65
		2 592.99			QPSK	104.90	96.65
					16QAM	105.15	96.40
		2 640.00			QPSK	105.64	96.65
					16QAM	103.90	96.65

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n41 PC2 (IC)	10	2 505.00	DFT-s OFDM	30	QPSK	10.19	8.64
					16QAM	10.06	8.64
	15	2 507.52	DFT-s OFDM		QPSK	15.13	12.96
					16QAM	14.91	13.00
	20	2 510.01	DFT-s OFDM		QPSK	20.33	17.98
					16QAM	20.33	18.08
	30	2 515.02	DFT-s OFDM		QPSK	30.12	27.27
					16QAM	29.97	27.20
	40	2 520.00	DFT-s OFDM		QPSK	38.86	36.06
					16QAM	39.46	36.06
	50	2 525.01	DFT-s OFDM		QPSK	50.45	45.95
					16QAM	50.57	45.83
	60	2 530.02	DFT-s OFDM		QPSK	64.14	57.99
					16QAM	64.14	57.84
	70	2 535.00	DFT-s OFDM		QPSK	70.28	64.16
					16QAM	70.46	64.16
	80	2 540.01	DFT-s OFDM		QPSK	82.92	76.92
					16QAM	84.12	77.12
	90	2 545.02	DFT-s OFDM		QPSK	92.83	86.54
					16QAM	93.51	86.76
	100	2 550.00	DFT-s OFDM		QPSK	105.64	96.40
					16QAM	104.65	96.40

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n66	5	1 712.5	DFT-s OFDM	15	QPSK	5.38	4.53
					16QAM	5.41	4.53
		1 745.0			QPSK	5.38	4.53
					16QAM	5.44	4.55
		1 777.5			QPSK	5.31	4.52
					16QAM	5.31	4.55
	10	1 715.0	DFT-s OFDM		QPSK	10.09	8.99
					16QAM	10.04	9.02
		1 745.0			QPSK	10.06	8.99
					16QAM	10.02	9.04
		1 775.0			QPSK	10.09	8.99
					16QAM	9.94	8.99
	15	1 717.5	DFT-s OFDM		QPSK	14.80	13.49
					16QAM	14.80	13.49
		1 745.0			QPSK	14.72	13.45
					16QAM	14.72	13.49
		1 772.5			QPSK	14.76	13.45
					16QAM	14.76	13.45
	20	1 720.0	DFT-s OFDM		QPSK	19.73	18.03
					16QAM	19.63	17.98
		1 745.0			QPSK	19.63	18.03
					16QAM	19.63	17.98
		1 770.0			QPSK	19.73	17.98
					16QAM	19.58	17.98
	25	1 722.5	DFT-s OFDM		QPSK	26.47	23.41
					16QAM	26.22	23.29
		1 745.0			QPSK	26.29	23.48
					16QAM	26.29	23.41
		1 767.5			QPSK	26.35	23.41
					16QAM	26.22	23.35
	30	1 725.0	DFT-s OFDM		QPSK	34.02	29.15
					16QAM	33.42	29.15
		1 745.0			QPSK	34.02	29.15
					16QAM	33.27	29.15
		1 765.0			QPSK	33.87	29.15
					16QAM	33.34	29.07
	40	1 730.0	DFT-s OFDM		QPSK	44.06	39.06
					16QAM	43.66	38.96
		1 745.0			QPSK	43.66	38.96
					16QAM	43.46	38.96
		1 760.0			QPSK	43.56	38.96
					16QAM	43.76	38.96

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n71	5	665.5	DFT-s OFDM	15	QPSK	5.36	4.53
					16QAM	5.26	4.52
		680.5			QPSK	5.37	4.53
					16QAM	5.29	4.53
		695.5			QPSK	5.32	4.55
					16QAM	5.39	4.53
	10	668.0	DFT-s OFDM		QPSK	10.24	9.02
					16QAM	10.06	9.04
		680.5			QPSK	10.06	9.02
					16QAM	10.02	8.99
		693.0			QPSK	10.04	8.99
					16QAM	10.06	8.99
	15	670.5	DFT-s OFDM		QPSK	14.91	13.49
					16QAM	14.84	13.49
		680.5			QPSK	14.87	13.49
					16QAM	14.84	13.45
		690.5			QPSK	14.87	13.45
					16QAM	14.76	13.45
	20	673.0	DFT-s OFDM		QPSK	19.58	18.03
					16QAM	19.63	18.03
		680.5			QPSK	19.68	18.03
					16QAM	19.68	18.03
		688.0			QPSK	19.63	17.98
					16QAM	19.68	17.98

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 (Lower) PC2	10	3 455.01	DFT-s OFDM	30	QPSK	10.06	8.62
					16QAM	10.04	8.64
		3 500.01			QPSK	10.36	8.64
					16QAM	10.34	8.67
		3 544.98			QPSK	10.44	8.64
					16QAM	10.39	8.64
	15	3 457.50	DFT-s OFDM		QPSK	14.87	13.00
					16QAM	14.91	13.04
		3 500.01			QPSK	15.10	13.00
					16QAM	14.99	12.96
		3 542.49			QPSK	15.02	13.00
					16QAM	14.95	13.00
	20	3 460.02	DFT-s OFDM		QPSK	20.03	18.13
					16QAM	20.28	18.08
		3 500.01			QPSK	20.48	18.13
					16QAM	20.28	18.03
		3 540.00			QPSK	20.43	18.13
					16QAM	20.28	18.03
	25	3 462.51	DFT-s OFDM		QPSK	25.16	23.10
					16QAM	25.41	23.04
		3 500.01			QPSK	25.47	23.04
					16QAM	25.35	22.98
		3 537.48			QPSK	25.54	23.04
					16QAM	25.41	22.98
	30	3 465.00	DFT-s OFDM		QPSK	30.19	27.35
					16QAM	30.19	27.35
		3 500.01			QPSK	30.42	27.27
					16QAM	30.34	27.27
		3 534.99			QPSK	30.12	27.20
					16QAM	29.97	27.27
	40	3 470.01	DFT-s OFDM		QPSK	39.26	36.16
					16QAM	39.26	36.26
		3 500.01			QPSK	39.26	36.06
					16QAM	39.46	36.16
		3 529.98			QPSK	39.26	36.06
					16QAM	39.36	36.16

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 (Lower) PC2	50	3 475.02	DFT-s OFDM	30	QPSK	50.33	45.95
					16QAM	50.45	45.95
		3 500.01			QPSK	50.33	45.95
					16QAM	50.20	45.95
		3 525.00			QPSK	50.20	45.83
					16QAM	50.82	45.95
	60	3 480.00	DFT-s OFDM		QPSK	65.49	57.99
					16QAM	65.63	57.99
		3 500.01			QPSK	64.89	57.99
					16QAM	66.08	57.99
		3 519.99			QPSK	65.04	57.99
					16QAM	66.23	58.14
	70	3 485.01	DFT-s OFDM		QPSK	71.85	64.34
					16QAM	70.46	64.16
		3 500.01			QPSK	70.98	64.51
					16QAM	70.98	64.34
		3 514.98			QPSK	71.15	64.34
					16QAM	71.15	64.34
	80	3 490.02	DFT-s OFDM		QPSK	83.72	77.12
					16QAM	84.12	77.12
		3 500.01			QPSK	83.92	77.12
					16QAM	83.52	77.12
		3 510.00			QPSK	84.12	77.32
					16QAM	83.72	77.32
	90	3 495.00	DFT-s OFDM		QPSK	93.51	86.76
					16QAM	92.83	86.76
		3 500.01			QPSK	93.06	86.76
					16QAM	92.16	86.76
		3 504.99			QPSK	93.73	86.76
					16QAM	93.51	86.76
	100	3 500.01	DFT-s OFDM		QPSK	106.14	96.90
					16QAM	105.40	96.65

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 (Upper) PC2	10	3 705.00	DFT-s OFDM	30	QPSK	10.29	8.64
					16QAM	10.41	8.67
		3 840.00			QPSK	10.11	8.64
					16QAM	10.09	8.64
		3 975.00			QPSK	9.92	8.64
					16QAM	10.29	8.67
	15	3 707.52	DFT-s OFDM		QPSK	15.02	13.00
					16QAM	14.99	13.00
		3 840.00			QPSK	14.84	12.96
					16QAM	14.72	12.96
		3 972.48			QPSK	14.91	13.00
					16QAM	14.91	12.96
	20	3 710.01	DFT-s OFDM		QPSK	20.23	18.03
					16QAM	20.18	18.08
		3 840.00			QPSK	20.38	18.03
					16QAM	20.38	18.03
		3 969.99			QPSK	20.28	18.08
					16QAM	20.18	18.03
	25	3 712.50	DFT-s OFDM		QPSK	25.22	23.04
					16QAM	25.47	23.04
		3 840.00			QPSK	25.16	23.04
					16QAM	25.35	23.04
		3 967.50			QPSK	25.29	23.04
					16QAM	25.16	22.98
	30	3 715.02	DFT-s OFDM		QPSK	30.27	27.27
					16QAM	30.27	27.27
		3 840.00			QPSK	30.19	27.35
					16QAM	30.19	27.35
		3 964.98			QPSK	30.19	27.27
					16QAM	30.05	27.27
	40	3 720.00	DFT-s OFDM		QPSK	39.36	36.16
					16QAM	39.16	36.16
		3 840.00			QPSK	39.16	35.96
					16QAM	39.26	36.06
		3 960.00			QPSK	39.16	36.06
					16QAM	39.36	35.96

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 (Upper) PC2	50	3 725.01	DFT-s OFDM	30	QPSK	50.82	45.95
					16QAM	50.57	45.83
		3 840.00			QPSK	50.57	45.95
					16QAM	50.57	45.83
		3 954.99			QPSK	50.33	45.95
					16QAM	50.57	45.83
	60	3 730.02	DFT-s OFDM		QPSK	64.89	58.14
					16QAM	64.29	58.14
		3 840.00			QPSK	65.63	57.99
					16QAM	65.34	57.99
		3 949.98			QPSK	64.44	57.99
					16QAM	63.84	57.99
	70	3 735.00	DFT-s OFDM		QPSK	71.68	64.51
					16QAM	70.80	64.34
		3 840.00			QPSK	70.98	64.51
					16QAM	71.15	64.34
		3 945.00			QPSK	70.98	64.34
					16QAM	70.63	64.34
	80	3 740.01	DFT-s OFDM		QPSK	85.51	77.32
					16QAM	85.12	77.12
		3 840.00			QPSK	84.12	77.32
					16QAM	84.52	77.12
		3 939.99			QPSK	84.52	77.32
					16QAM	84.52	77.12
	90	3 745.02	DFT-s OFDM		QPSK	92.83	86.76
					16QAM	93.51	86.76
		3 840.00			QPSK	93.73	86.54
					16QAM	93.28	86.76
		3 934.98			QPSK	93.73	86.76
					16QAM	93.51	86.76
	100	3 750.00	DFT-s OFDM		QPSK	106.89	96.65
					16QAM	106.14	96.40
		3 840.00			QPSK	106.89	96.90
					16QAM	105.15	96.65
		3 930.00			QPSK	106.14	96.90
					16QAM	105.40	96.90

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 PC2 (IC)	10	3 455.01	DFT-s OFDM	30	QPSK	10.06	8.67
					16QAM	10.44	8.64
		3 675.00			QPSK	10.06	8.62
					16QAM	10.41	8.64
		3 894.99			QPSK	10.34	8.64
					16QAM	10.46	8.69
	15	3 457.50	DFT-s OFDM		QPSK	14.61	13.00
					16QAM	14.84	13.00
		3 675.00			QPSK	14.95	13.00
					16QAM	14.80	12.96
		3 892.50			QPSK	14.80	13.00
					16QAM	14.84	13.00
	20	3 460.02	DFT-s OFDM		QPSK	20.23	18.08
					16QAM	19.93	18.08
		3 675.00			QPSK	20.08	18.08
					16QAM	20.48	18.13
		3 889.98			QPSK	20.53	18.08
					16QAM	20.33	18.08
	25	3 462.51	DFT-s OFDM		QPSK	25.41	23.04
					16QAM	25.47	23.04
		3 675.00			QPSK	25.35	23.04
					16QAM	25.29	23.04
		3 887.49			QPSK	25.10	23.04
					16QAM	25.22	23.04
	30	3 465.00	DFT-s OFDM		QPSK	30.19	27.27
					16QAM	30.05	27.27
		3 675.00			QPSK	30.49	27.35
					16QAM	30.05	27.27
		3 885.00			QPSK	30.19	27.27
					16QAM	30.12	27.35
	40	3 470.01	DFT-s OFDM		QPSK	39.16	36.06
					16QAM	39.06	36.06
		3 675.00			QPSK	39.26	36.26
					16QAM	39.46	36.06
		3 879.99			QPSK	39.06	36.06
					16QAM	39.26	36.26

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 PC2 (IC)	50	3 475.02	DFT-s OFDM	30	QPSK	50.08	45.83
					16QAM	50.57	45.95
		3 675.00			QPSK	51.32	45.95
					16QAM	50.45	46.08
		3 874.98			QPSK	50.45	45.95
					16QAM	50.95	45.95
	60	3 480.00	DFT-s OFDM		QPSK	63.84	57.99
					16QAM	64.59	57.99
		3 675.00			QPSK	65.34	58.14
					16QAM	64.59	57.99
		3 870.00			QPSK	65.78	57.99
					16QAM	65.04	57.99
	70	3 485.01	DFT-s OFDM		QPSK	71.85	64.16
					16QAM	70.80	64.34
		3 675.00			QPSK	70.80	64.34
					16QAM	71.50	64.34
		3 864.99			QPSK	70.98	64.34
					16QAM	71.68	64.34
	80	3 490.02	DFT-s OFDM		QPSK	85.12	77.32
					16QAM	83.92	77.32
		3 675.00			QPSK	83.72	77.32
					16QAM	84.12	77.32
		3 859.98			QPSK	85.12	77.12
					16QAM	84.32	77.12
	90	3 495.00	DFT-s OFDM		QPSK	93.51	86.76
					16QAM	92.61	86.76
		3 675.00			QPSK	93.51	86.76
					16QAM	92.83	86.76
		3 855.00			QPSK	93.06	86.99
					16QAM	93.73	86.99
	100	3 500.01	DFT-s OFDM		QPSK	105.89	96.90
					16QAM	106.14	96.65
		3 675.00			QPSK	104.90	96.65
					16QAM	104.65	96.40
		3 849.99			QPSK	105.40	96.65
					16QAM	105.64	96.65

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 (Lower) PC3	10	3 455.01	DFT-s OFDM	30	QPSK	10.34	8.67
					16QAM	10.04	8.62
		3 500.01			QPSK	10.14	8.64
					16QAM	10.41	8.67
		3 544.98			QPSK	10.09	8.64
					16QAM	10.24	8.67
	15	3 457.50	DFT-s OFDM		QPSK	15.02	13.04
					16QAM	14.99	13.04
		3 500.01			QPSK	14.91	13.00
					16QAM	14.84	13.00
		3 542.49			QPSK	14.50	13.11
					16QAM	14.91	13.00
	20	3 460.02	DFT-s OFDM		QPSK	20.13	18.28
					16QAM	20.23	18.03
		3 500.01			QPSK	20.28	18.13
					16QAM	20.13	18.08
		3 540.00			QPSK	20.38	18.03
					16QAM	20.03	18.03
	25	3 462.51	DFT-s OFDM		QPSK	25.29	23.04
					16QAM	25.29	23.04
		3 500.01			QPSK	25.60	22.98
					16QAM	25.16	23.04
		3 537.48			QPSK	25.29	23.10
					16QAM	25.22	23.04
	30	3 465.00	DFT-s OFDM		QPSK	30.27	27.35
					16QAM	29.97	27.65
		3 500.01			QPSK	30.57	27.20
					16QAM	30.27	27.27
		3 534.99			QPSK	30.05	27.12
					16QAM	30.27	27.20
	40	3 470.01	DFT-s OFDM		QPSK	39.56	36.16
					16QAM	39.16	36.06
		3 500.01			QPSK	38.86	36.16
					16QAM	39.26	36.06
		3 529.98			QPSK	39.16	36.06
					16QAM	39.26	36.06

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 (Lower) PC3	50	3 475.02	DFT-s OFDM	30	QPSK	50.57	45.83
					16QAM	50.57	45.95
		3 500.01			QPSK	49.33	46.83
					16QAM	48.33	46.83
		3 525.00			QPSK	50.33	45.83
					16QAM	50.95	45.95
	60	3 480.00	DFT-s OFDM		QPSK	61.29	58.14
					16QAM	62.79	58.74
		3 500.01			QPSK	62.64	58.14
					16QAM	60.84	59.04
		3 519.99			QPSK	61.59	58.74
					16QAM	61.14	59.04
	70	3 485.01	DFT-s OFDM		QPSK	73.43	65.03
					16QAM	68.36	65.03
		3 500.01			QPSK	69.93	64.51
					16QAM	69.23	64.86
		3 514.98			QPSK	68.71	65.56
					16QAM	71.33	64.69
	80	3 490.02	DFT-s OFDM		QPSK	81.52	78.32
					16QAM	80.32	78.32
		3 500.01			QPSK	84.32	77.92
					16QAM	81.52	78.12
		3 510.00			QPSK	81.72	77.32
					16QAM	80.92	78.32
	90	3 495.00	DFT-s OFDM		QPSK	91.93	87.89
					16QAM	90.14	87.89
		3 500.01			QPSK	90.36	87.44
					16QAM	90.14	87.66
		3 504.99			QPSK	90.36	87.66
					16QAM	94.18	87.89
	100	3 500.01	DFT-s OFDM		QPSK	104.40	98.40
					16QAM	102.90	98.40

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 (Upper) PC3	10	3 705.00	DFT-s OFDM	30	QPSK	10.51	8.67
					16QAM	10.31	8.64
		3 840.00			QPSK	10.54	8.62
					16QAM	10.24	8.59
		3 975.00			QPSK	10.51	8.64
					16QAM	10.24	8.64
	15	3 707.52	DFT-s OFDM		QPSK	15.10	13.00
					16QAM	14.95	12.96
		3 840.00			QPSK	14.61	12.96
					16QAM	14.95	13.00
		3 972.48			QPSK	14.61	13.00
					16QAM	14.87	12.96
	20	3 710.01	DFT-s OFDM		QPSK	20.28	18.08
					16QAM	20.03	18.03
		3 840.00			QPSK	20.53	18.03
					16QAM	20.58	18.08
		3 969.99			QPSK	20.28	18.08
					16QAM	20.33	18.03
	25	3 712.50	DFT-s OFDM		QPSK	25.29	23.04
					16QAM	25.22	22.98
		3 840.00			QPSK	25.22	23.04
					16QAM	25.10	23.04
		3 967.50			QPSK	25.16	23.04
					16QAM	25.16	22.98
	30	3 715.02	DFT-s OFDM		QPSK	30.42	27.27
					16QAM	30.34	27.27
		3 840.00			QPSK	30.42	27.20
					16QAM	30.27	27.20
		3 964.98			QPSK	30.27	27.20
					16QAM	30.12	27.27
	40	3 720.00	DFT-s OFDM		QPSK	39.36	36.16
					16QAM	39.26	36.06
		3 840.00			QPSK	39.26	36.06
					16QAM	39.26	36.06
		3 960.00			QPSK	39.26	35.96
					16QAM	39.36	36.16

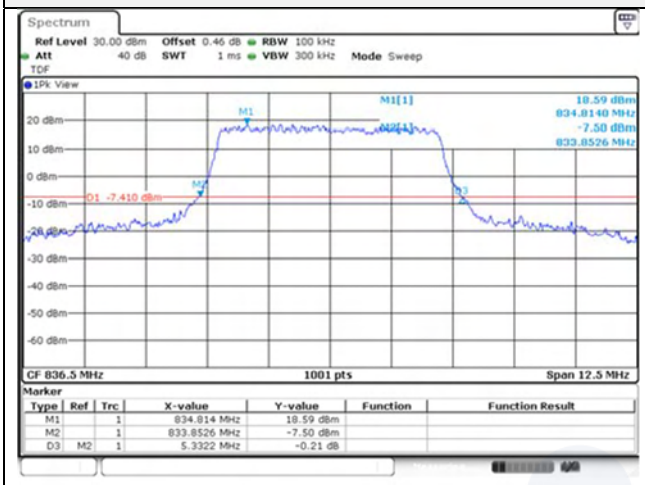
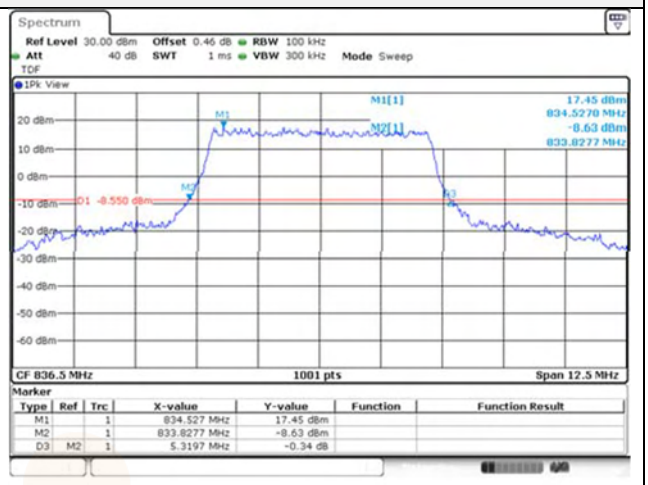
Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 (Upper) PC3	50	3 725.01	DFT-s OFDM	30	QPSK	50.33	45.95
					16QAM	50.70	45.95
		3 840.00			QPSK	50.70	45.95
					16QAM	50.57	45.95
		3 954.99			QPSK	50.33	45.83
					16QAM	50.20	45.70
	60	3 730.02	DFT-s OFDM		QPSK	65.63	57.99
					16QAM	65.49	58.14
		3 840.00			QPSK	65.04	58.14
					16QAM	65.19	57.99
		3 949.98			QPSK	64.74	57.84
					16QAM	64.44	57.84
	70	3 735.00	DFT-s OFDM		QPSK	71.33	64.51
					16QAM	71.15	64.34
		3 840.00			QPSK	71.50	64.51
					16QAM	70.80	64.34
		3 945.00			QPSK	71.85	64.34
					16QAM	70.80	64.34
	80	3 740.01	DFT-s OFDM		QPSK	84.32	77.12
					16QAM	84.92	77.12
		3 840.00			QPSK	84.52	76.92
					16QAM	84.32	77.12
		3 939.99			QPSK	84.12	77.32
					16QAM	84.12	77.12
	90	3 745.02	DFT-s OFDM		QPSK	93.51	86.76
					16QAM	92.38	86.76
		3 840.00			QPSK	93.28	86.76
					16QAM	93.28	86.76
		3 934.98			QPSK	94.18	86.54
					16QAM	93.96	86.76
	100	3 750.00	DFT-s OFDM		QPSK	105.89	96.90
					16QAM	104.65	96.40
		3 840.00			QPSK	106.89	96.90
					16QAM	105.15	96.65
		3 930.00			QPSK	105.64	96.65
					16QAM	104.90	96.40

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 PC3 (IC)	10	3 455.01	DFT-s OFDM	30	QPSK	10.41	8.64
					16QAM	10.26	8.64
		3 675.00			QPSK	10.21	8.64
					16QAM	10.21	8.67
		3 894.99			QPSK	10.31	8.69
					16QAM	10.41	8.64
	15	3 457.50	DFT-s OFDM		QPSK	15.06	13.04
					16QAM	14.76	13.04
		3 675.00			QPSK	14.91	13.04
					16QAM	15.02	13.00
		3 892.50			QPSK	15.10	12.96
					16QAM	15.06	12.96
	20	3 460.02	DFT-s OFDM		QPSK	20.23	18.08
					16QAM	20.28	18.08
		3 675.00			QPSK	20.18	18.08
					16QAM	20.28	18.08
		3 889.98			QPSK	20.43	18.08
					16QAM	20.28	18.08
	25	3 462.51	DFT-s OFDM		QPSK	25.41	23.10
					16QAM	25.41	23.04
		3 675.00			QPSK	25.22	22.98
					16QAM	25.41	23.04
		3 887.49			QPSK	25.41	23.04
					16QAM	25.29	23.04
	30	3 465.00	DFT-s OFDM		QPSK	30.19	27.27
					16QAM	30.12	27.27
		3 675.00			QPSK	30.42	27.35
					16QAM	30.19	27.20
		3 885.00			QPSK	30.05	27.20
					16QAM	30.05	27.20
	40	3 470.01	DFT-s OFDM		QPSK	39.16	36.06
					16QAM	39.16	36.06
		3 675.00			QPSK	39.36	36.16
					16QAM	39.36	36.06
		3 879.99			QPSK	39.46	35.96
					16QAM	39.26	36.06

Test Band	Bandwidth (㎒)	Frequency (㎒)	Waveform	SCS (㎑)	Modulation	26 ㏈ bandwidth (㎒)	99 % bandwidth (㎒)
NR n77 PC3 (IC)	50	3 475.02	DFT-s OFDM	30	QPSK	50.57	45.95
					16QAM	50.57	45.95
		3 675.00			QPSK	50.70	45.95
					16QAM	50.45	46.08
		3 874.98			QPSK	50.33	45.95
					16QAM	50.95	45.95
	60	3 480.00	DFT-s OFDM		QPSK	63.84	57.99
					16QAM	65.19	57.99
		3 675.00			QPSK	64.74	57.99
					16QAM	64.89	57.99
		3 870.00			QPSK	65.04	58.14
					16QAM	65.63	57.99
	70	3 485.01	DFT-s OFDM		QPSK	71.68	64.34
					16QAM	71.15	64.16
		3 675.00			QPSK	71.68	64.51
					16QAM	70.63	64.34
		3 864.99			QPSK	71.33	64.34
					16QAM	70.63	64.34
	80	3 490.02	DFT-s OFDM		QPSK	84.72	77.12
					16QAM	84.52	77.32
		3 675.00			QPSK	83.92	77.32
					16QAM	84.12	77.12
		3 859.98			QPSK	84.12	77.32
					16QAM	84.32	77.12
	90	3 495.00	DFT-s OFDM		QPSK	93.96	86.76
					16QAM	93.28	86.76
		3 675.00			QPSK	93.96	86.76
					16QAM	93.28	86.76
		3 855.00			QPSK	93.73	86.76
					16QAM	93.06	86.76
	100	3 500.01	DFT-s OFDM		QPSK	106.14	96.65
					16QAM	105.15	96.40
		3 675.00			QPSK	104.15	96.65
					16QAM	104.90	96.65
		3 849.99			QPSK	105.15	96.65
					16QAM	105.89	96.65

26 dB Bandwidth

Test mode: NR n5

5M BW QPSK Mid ch.	5M BW 16QAM Mid ch.
	
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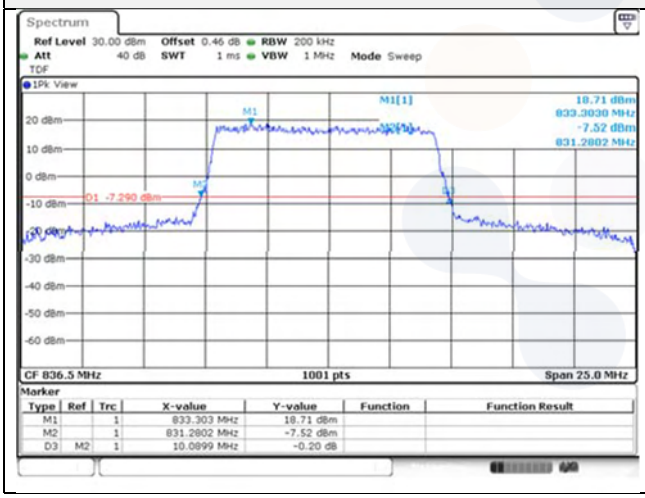
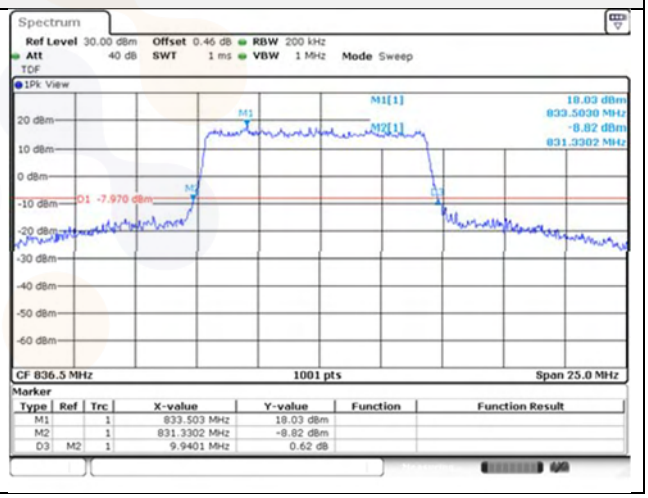
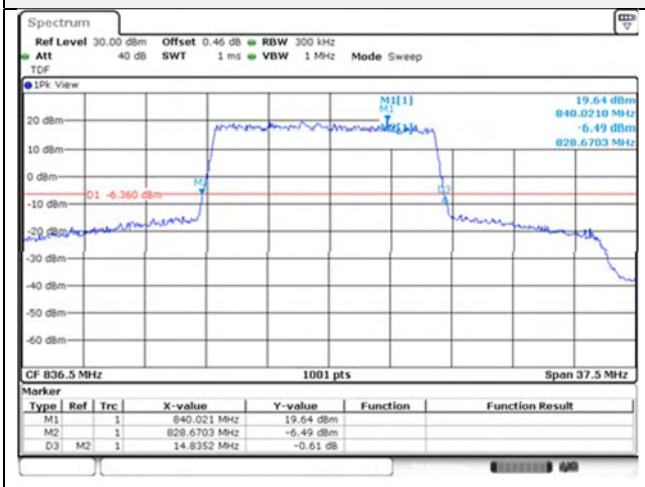
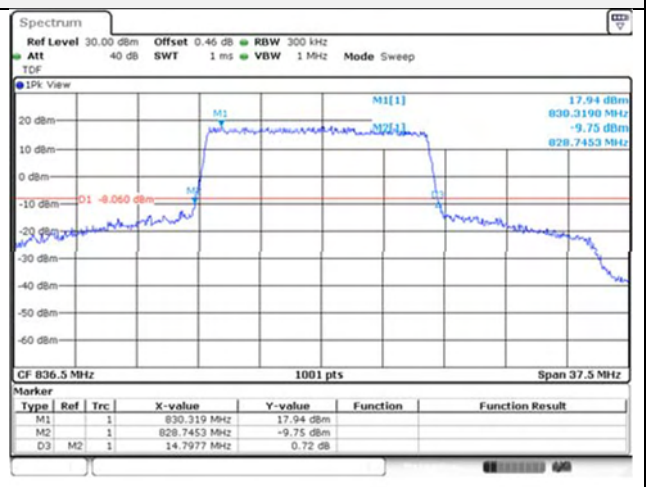
	

15M BW QPSK Mid ch.	15M BW 16QAM Mid ch.
	
20M BW QPSK Mid ch.	**20M BW 16QAM Mid ch.**