

# TEST REPORT

of

FCC Part 2 Subpart J and Part 27 Subpart C

FCC ID: BEJTM05FNNAGM0


Equipment Under Test : Telematics Module  
Model Name : TM05FNNAGM0  
Variant Model Name(s) : TM05FNNAGM1  
Applicant : LG Electronics USA  
Manufacturer : LG Electronics Inc.  
Date of Receipt : 2022.07.22  
Date of Test(s) : 2022.07.25 ~ 2023.02.16  
Date of Issue : 2023.02.16

In the configuration tested, the EUT complied with the standards specified above. This test report does not assure KOLAS accreditation.

- 1) The results of this test report are effective only to the items tested.
- 2) The SGS Korea is not responsible for the sampling, the results of this test report apply to the sample as received.
- 3) This test report cannot be reproduced, except in full, without prior written permission of the Company.
- 4) The data marked ※ in this report was provided by the customer and may affect the validity of the test results.

We are responsible for all the information of this test report except for the data(※) provided by the customer.

Tested by:

  
\_\_\_\_\_  
Teo Kim

Technical  
Manager:

  
\_\_\_\_\_  
Jinhyoung Cho

**SGS Korea Co., Ltd. Gunpo Laboratory**

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## 1. General Information

### 1.1. Testing Laboratory

SGS Korea Co., Ltd. (Gunpo Laboratory)

- 10-2, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807

- 4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807

- Designation number: KR0150

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Phone No. : +82 31 688 0901

Fax No. : +82 31 688 0921

### 1.2. Details of Applicant

Applicant : LG Electronics USA

Address : 111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, United States, 07632

Contact Person : Cho, Hee-jae

Phone No. : +1 201 470 2696

### 1.3. Details of Manufacturer

Company : LG Electronics Inc.

Address : 10, Magokjungang 10-ro, Gangseo-gu, Seoul, Korea, 07796

### 1.4. Description of EUT

<b>Kind of Product</b>		Telematics Module
<b>Model Name</b>		TM05FNNAGM0
<b>Variant Model Name</b>		TM05FNNAGM1
<b>Serial Number</b>		Conducted: 351015130056680 Radiated: 351015130065751
<b>Power Supply</b>		DC 3.90 V
<b>Rated Power</b>		NR Band 77, 78: 25 dB m
<b>Frequency Range</b>	<b>Port 1</b>	NR Band 77: 3 450 MHz ~ 3 550 MHz NR Band 77: 3 700 MHz ~ 3 980 MHz NR Band 78: 3 450 MHz ~ 3 550 MHz NR Band 78: 3 700 MHz ~ 3 800 MHz
	<b>Port 2</b>	NR Band 77: 3 450 MHz ~ 3 550 MHz NR Band 77: 3 700 MHz ~ 3 980 MHz NR Band 78: 3 450 MHz ~ 3 550 MHz NR Band 78: 3 700 MHz ~ 3 800 MHz
<b>Modulation Technique</b>		BPSK, QPSK, 16QAM, 64QAM
<b>Antenna Type</b>		External Antenna
<b>Antenna Gain*</b>		Refer to the clause 1.14
<b>H/W Version</b>		REV.D
<b>S/W Version</b>		SW168
<b>FVIN</b>		N/A

### 1.5. Test Equipment List

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Interval	Cal. Due
Signal Generator	R&S	SMA100B	106887	Oct. 13, 2022	Annual	Oct. 13, 2023
Signal Generator	R&S	SMBV100A	255834	May 25, 2022	Annual	May 25, 2023
Spectrum Analyzer	R&S	FSV30	103210	Dec. 07, 2022	Annual	Dec. 07, 2023
Spectrum Analyzer	R&S	FSV30	103211	Dec. 09, 2022	Annual	Dec. 09, 2023
Spectrum Analyzer	R&S	FSW67	103242	Aug. 26, 2022	Annual	Aug. 26, 2023
Spectrum Analyzer	Agilent	N9020A	MY53421758	Aug. 26, 2022	Annual	Aug. 26, 2023
Spectrum Analyzer	Agilent	N9030A	US51350132	Nov. 11, 2022	Annual	Nov. 11, 2023
Communication test station	Anritsu	MT8000A	6261949671	Oct. 12, 2022	Annual	Oct. 12, 2023
Communication Analyzer	Anritsu	MT8821C	6262192291	Oct. 11, 2022	Annual	Oct. 11, 2023
Power Meter	Anritsu	ML2495A	1223004	Nov. 29, 2022	Annual	Nov. 29, 2023
Power Sensor	Anritsu	MA2411B	1207272	May 27, 2022	Annual	May 27, 2023
Temperature Chamber	ESPEC CORP.	SH-662	93000533	Jun. 02, 2022	Annual	Jun. 02, 2023
Low Pass Filter	Mini-Circuits	NLP-1200+	V 8979400903-1	May 13, 2022	Annual	May 13, 2023
High Pass Filter	Wainwright Instrument GmbH	WHKX3.0/18G-6SS	21	Jun. 09, 2022	Annual	Jun. 09, 2023
High Pass Filter	Wainwright Instrument GmbH	WHNX7.5/26.5G-6SS	11	Oct. 24, 2022	Annual	Oct. 24, 2023
Power Splitter	Weinschel	1534	499	May 31, 2022	Annual	May 31, 2023
Power Splitter	Weinschel	1534	500	May 31, 2022	Annual	May 31, 2023
BRIDGE COUPLER	MARKI MICROWAVE INC	CBR16-0012	1542	May 06, 2022	Annual	May 06, 2023
Directional Coupler	KRYTAR	152613	122660	Jul. 06, 2022	Annual	Jul. 06, 2023
Directional Coupler	KRYTAR	152613	122661	Mar. 04, 2022	Annual	Mar. 04, 2023
DC Power Supply	Agilent	U8002A	MY49030063	Jan. 20, 2023	Annual	Jan. 20, 2024
Preamplifier	H.P.	8447F	2944A03909	Aug. 04, 2022	Annual	Aug. 04, 2023
Preamplifier	R&S	SCU 18	10117	Jun. 13, 2022	Annual	Jun. 13, 2023
Preamplifier	TESTEK	TK-PA1840H	130016	Jan. 11, 2023	Annual	Jan. 11, 2024
Test Receiver	R&S	ESCI 7	100911	Feb. 23, 2022	Annual	Feb. 23, 2023
Loop Antenna	Schwarzbeck Mess-Elektronik	FMZB 1519	1519-039	Aug. 23, 2021	Biennial	Aug. 23, 2023
Bilog Antenna	Schwarzbeck Mess-Elektronik	VULB9163	01126	Feb. 09, 2023	Annual	Feb. 09, 2024
Horn Antenna	R&S	HF906	100326	Feb. 18, 2022	Annual	Feb. 18, 2023
Horn Antenna	Schwarzbeck Mess-Elektronik	BBHA 9170	9170-540	Nov. 30, 2022	Annual	Nov. 30, 2023
Antenna Master	Innco systems GmbH	MA4640-XP-ET	MA4640/536/383 30516/L	N.C.R.	N/A	N.C.R.
Turn Table	Innco systems GmbH	DS 1200S	N/A	N.C.R.	N/A	N.C.R.
Controller	Innco systems GmbH	CONTROLLER CO3000-4P	CO3000/963/383 30516/L	N.C.R.	N/A	N.C.R.
Anechoic Chamber	SY Corporation	L x W x H (9.6 m x 6.4 m x 6.6 m)	N/A	N.C.R.	N/A	N.C.R.
Coaxial Cable	RFONE	MWX221-NMSNMS (4 m)	J1023142	Oct. 04, 2022	Semi-Annual	Apr. 04, 2023
Coaxial Cable	Qualwave Inc.	QA500-18-NN-10 (10 m)	22200114	Oct. 04, 2022	Semi-Annual	Apr. 04, 2023
Coaxial Cable	RADIALL	TESTPRO 3	182287	Aug. 18, 2022	Semi-Annual	Feb. 18, 2023
Coaxial Cable	RADIALL	TESTPRO 3	182288	Aug. 18, 2022	Semi-Annual	Feb. 18, 2023
Coaxial Cable	RADIALL	TESTPRO 3	182291	Aug. 18, 2022	Semi-Annual	Feb. 18, 2023
Coaxial Cable	RADIALL	TESTPRO 3	182284	Aug. 18, 2022	Semi-Annual	Feb. 18, 2023
Coaxial Cable	RADIALL	TESTPRO 3	182292	Aug. 18, 2022	Semi-Annual	Feb. 18, 2023
Coaxial Cable	RADIALL	TESTPRO 3	182285	Aug. 18, 2022	Semi-Annual	Feb. 18, 2023

**Note;**

- For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.

## 1.6. Summary of Test Results

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 2 and 27		
Section(s)	Test Item	Result
§2.1046 §27.50(j)(3) §27.50(k)(3)	Radiated Output Power	Complied
§27.53(l)(2) §27.53(n)(2)	Radiated Spurious Emissions	Complied
§2.1046	Conducted Output Power	Complied
§2.1049	Occupied Bandwidth	Complied
§27.50(j)(4) §27.50(k)(4)	Peak-Average Ratio	Complied
§27.53(l)(2) §27.53(n)(2)	Spurious Emission at Antenna Terminal	Complied
§27.53(l)(2) §27.53(n)(2)	Band Edge and Emission Mask	Complied
§2.1055 §27.54	Frequency Stability	Complied

## 1.7. Sample Calculation for Offset

Where relevant, the following sample calculation is provided:

### 1.7.1. Conducted Test

Offset value (dB) = Directional Coupler (dB) + Cable loss (dB)

### 1.7.2. Radiation test

- E.I.R.P. (dB m) = Measured level (dB $\mu$ V) + Antenna factor (dB/m) + Cable loss (dB) + 20 Log D - 104.8;  
 where D is the measurement distance in meters.
- E.R.P. (dB m) = E.I.R.P. (dB m) - 2.15 (dB)

## 1.8. Device Capabilities

This device contains the following capabilities.

5G NR Band 78 (3 450 MHz ~ 3 550 MHz) is covered by 5G NR Band 77 (3 450 MHz ~ 3 550 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth. Therefore test data provided in this report covers 5G NR Band 78 as well as Band 77.

5G NR Band 78 (3 700 MHz ~ 3 800 MHz) is covered by 5G NR Band 77 (3 700 MHz ~ 3 980 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth. Therefore test data provided in this report covers 5G NR Band 78 as well as Band 77.

## 1.9. Manufacturer Declaration

The EUT supports two ports and LTE, WCDMA and 5G NR FDD bands support only port 1. The 5G NR TDD (n41, n77, n78) band supports both port 1 and port 2.

Port 1 supports 5G NR TDD bands only for MIMO mode with CP-OFDM Modulation only.

### 1.9. ENDC Configuration

NR Band	SCS (kHz)	Bandwidth (MHz)	Waveform	Modulation	ENDC LTE Band
N77	30	20, 30, 40, 50, 60, 70, 80, 90, 100	DFTS OFDM, CP OFDM	BPSK, QPSK, 16QAM, 64QAM	7
N78	30	20, 30, 40, 50, 60, 70, 80, 90, 100	DFTS OFDM, CP OFDM	BPSK, QPSK, 16QAM, 64QAM	2, 5, 7, 12, 66

Note;

- Only SISO mode support ENDC Mode.

### 1.10. Worst Case Configuration and Mode

The worst-case is based on the conducted output power measurement investigation results. All testing was performed using BPSK, QPSK, 16QAM and 64QAM modulations. If both SA and NSA were supported, SA was tested as worst case and NSA was tested only radiated spurious emission for worst conducted output power combination.

On ENDC mode, only radiated spurious emission were tested as worst case for worst conducted output power combination.

The radiated output power were tested in only one modulation with the worst case at the highest conducted power.

However, the radiated spurious emission and spurious at antenna terminal were only performed on bandwidth and RB offset (with RB size 1) with the highest conducted power.

The peak to average ratio were tested only 64QAM modulation as worst case.

The radiation test of the EUT was investigated in three orthogonal orientations X, Y, and Z, and the worst case data is reported.

### 1.11. Measurement Configuration

#### SISO Mode

Test Items	Band	Test Channel			Bandwidth (MHz)										Modulation DFTS-OFDM				Modulation CP-OFDM			RB #		
		Low	Mid	High	20	30	40	50	60	70	80	90	100	BPSK	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	1	Half	Full	
Conducted Output Power	n7778 Low Band	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	n7778 High Band	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Frequency Stability	n7778 Low Band	-	V	-	-	-	-	V	-	-	-	-	-	V	-	-	-	-	-	-	-	-	-	V
	n7778 High Band	-	V	-	-	-	-	V	-	-	-	-	-	V	-	-	-	-	-	-	-	-	-	V
Occupied Bandwidth	n7778 Low Band	-	V	-	V	V	V	V	V	V	V	V	V	V	V	V	-	V	V	-	-	-	-	V
	n7778 High Band	-	V	-	V	V	V	V	V	V	V	V	V	V	V	V	-	V	V	-	-	-	-	V
Peak-to-Average Ratio	n7778 Low Band	V	V	V	V	V	V	V	V	V	V	V	V	-	-	-	V	-	-	V	-	-	-	V
	n7778 High Band	V	V	V	V	V	V	V	V	V	V	V	V	-	-	-	V	-	-	V	-	-	-	V
Band edge	n7778 Low Band	V	-	V	V	V	V	V	V	V	V	V	V	V	-	V	-	V	V	-	V	-	-	V
	n7778 High Band	V	-	V	V	V	V	V	V	V	V	V	V	V	-	V	-	V	V	-	V	-	-	V
E.I.R.P.	n7778 Low Band	V	V	V	Worst case																			
	n7778 High Band	V	V	V	Worst case																			
Spurious at antenna terminal & Radiated Spurious Emissions	n7778 Low Band	V	V	V	Worst case																			
	n7778 High Band	V	V	V	Worst case																			

#### MIMO Mode

Test Items	Band	Test Channel			Bandwidth (MHz)										Modulation CP-OFDM				RB #					
		Low	Mid	High	20	30	40	50	60	70	80	90	100	QPSK	16QAM	64QAM	1	Half	Full					
Conducted Output Power	n7778 Low Band	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	-	V	-	-	-	-	V	
	n7778 High Band	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	-	V	-	-	-	-	V	
Frequency Stability	n7778 Low Band	-	V	-	-	-	-	V	-	-	-	-	-	-	V	-	-	-	-	-	-	-	-	V
	n7778 High Band	-	V	-	-	-	-	V	-	-	-	-	-	-	V	-	-	-	-	-	-	-	-	V
Occupied Bandwidth	n7778 Low Band	-	V	-	V	V	V	V	V	V	V	V	V	V	V	V	-	V	V	-	-	-	-	V
	n7778 High Band	-	V	-	V	V	V	V	V	V	V	V	V	V	V	V	-	V	V	-	-	-	-	V
Peak-to-Average Ratio	n7778 Low Band	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	V	-	-	V	-	-	-	V
	n7778 High Band	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	V	-	-	V	-	-	-	V
Band edge	n7778 Low Band	V	-	V	V	V	V	V	V	V	V	V	V	V	V	V	-	V	V	-	V	-	-	V
	n7778 High Band	V	-	V	V	V	V	V	V	V	V	V	V	V	V	V	-	V	V	-	V	-	-	V
E.I.R.P.	n7778 Low Band	V	V	V	Worst case																			
	n7778 High Band	V	V	V	Worst case																			
Spurious at antenna terminal & Radiated Spurious Emissions	n7778 Low Band	V	V	V	Worst case																			
	n7778 High Band	V	V	V	Worst case																			

#### ENDC

Test Items	NR Band	Test Channel			Bandwidth (MHz)										Modulation DFTS-OFDM				Modulation CP-OFDM			RB #		
		Low	Mid	High	20	30	40	50	60	70	80	90	100	BPSK	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	1	Half	Full	
Conducted Output Power	n7778 Low Band	V	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	-	-	-	-	-	-	V
	n7778 High Band	V	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	-	-	-	-	-	-	V
Radiated Spurious Emissions	n7778 Low Band	V	V	V	Worst case																			
	n7778 High Band	V	V	V	Worst case																			

**Note;**

- All measurement was performed with 1RB or FULL RB or both, we chosen RB condition for each test items as worst case.



**Radiated Emission Test**

Ant.	NR Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Resource Block Allocation
					RBs allocated
SISO	n77/78 Low Band	30	80	DFTS OFDM - QPSK	1
	n77/78 High Band	30	80	DFTS OFDM - QPSK	1
MIMO	n77/78 Low Band	30	90	CP OFDM - QPSK	1
	n77/78 High Band	30	60	CP OFDM - QPSK	1

**ENDC**

NR Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Resource Block Allocation
				RBs allocated
7A-n77 Low Band	30	20-60	DFTS OFDM - BPSK	1
7A-n77 High Band	30	20-40	DFTS OFDM - BPSK	1
5A-n78 Low Band	30	5-20	DFTS OFDM - QPSK	1
5A-n78 High Band	30	5-60	DFTS OFDM - BPSK	1

### 1.12. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty	
RF Output Power	0.32 dB	
Occupied Bandwidth	3.90 kHz	
Conducted Spurious Emissions	0.61 dB	
Peak to Average Ratio	0.60 dB	
Frequency Stability	5.97 kHz	
Radiated Emission, 9 kHz to 30 MHz	H	3.40 dB
	V	3.40 dB
Radiated Emission, below 1 GHz	H	4.50 dB
	V	5.10 dB
Radiated Emission, above 1 GHz	H	3.70 dB
	V	3.90 dB

All measurement uncertainty values are shown with a coverage factor of  $k=2$  to indicate a 95 % level of confidence.

### 1.13. Test Report Revision

Revision	Report Number	Date of Issue	Description
0	F690501-RF-RTL003827	2023.02.16	Initial

### 1.14. Antenna Information

Band	Operating Frequency (MHz)	Antenna Peak Gain (dB i)		
		Ant. Gain		
		Port 1	Port 2	Port 1 + port 2 <sup>1)</sup>
NR 77 - Low	3 450 ~ 3 550	3.24	6.29	7.91
NR 77 - High	3 700 ~ 3 980	3.24	6.29	7.91
NR 78 - Low	3 450 ~ 3 550	3.24	6.29	7.91
NR 78 - High	3 700 ~ 3 800	3.24	6.29	7.91

**Remark;**

- Port 1 means secondary cell and Port 2 means primary cell.

1) According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)d)(i),

$$\text{Port 1 + Port 2 Antenna Gain} = 10 * \log[(10^{G_1/20} + 10^{G_2/20})^2 / N_{ANT}]$$

Where,

G<sub>1</sub> = antenna gain of port 1,

G<sub>2</sub> = antenna gain of port 2,

N<sub>ANT</sub> = the number of antennas

### 1.15. Emission Designator and Conducted Average Power

NR Band	Band width (MHz)	Modulation		Low Freq. (MHz)	Upper Freq. (MHz)	Conducted Average Power (dB m)	Conducted Average Power (W)	Emission Designator
n77/78 Low Band SISO	20	DFTS-OFDM	BPSK	3 460.02	3 540	24.88	0.308	17M9G7D
			QPSK			24.92	0.310	17M9G7D
			16QAM			23.94	0.248	17M9D7D
		CP-OFDM	QPSK			23.41	0.219	18M2G7D
			16QAM			22.86	0.193	18M2D7D
			30			DFTS-OFDM	BPSK	3 465
	QPSK	25.30		0.339	26M9G7D			
	16QAM	24.24		0.265	26M7D7D			
	CP-OFDM	QPSK		23.75	0.237	27M8G7D		
		16QAM		23.34	0.216	27M8D7D		
		40		DFTS-OFDM	BPSK	3 470.01	3 529.98	
	QPSK		25.30		0.339			36M1G7D
	16QAM		24.23		0.265			36M0D7D
	CP-OFDM		QPSK	23.70	0.234			38M1G7D
			16QAM	23.28	0.213			38M3D7D
			50	DFTS-OFDM	BPSK			3 475.02
	QPSK	25.09			0.323	45M9G7D		
	16QAM	24.05			0.254	45M9D7D		
	CP-OFDM	QPSK		23.56	0.227	47M5G7D		
		16QAM		23.01	0.200	47M6D7D		
		60		DFTS-OFDM	BPSK	3 480	3 519.99	
	QPSK		25.04		0.319			57M9G7D
	16QAM		24.01		0.252			57M9D7D
	CP-OFDM		QPSK	23.51	0.224			58M0G7D
			16QAM	22.91	0.195			57M9D7D
			70	DFTS-OFDM	BPSK			3 485.01
	QPSK	24.99			0.316	64M2G7D		
	16QAM	23.88			0.244	64M5D7D		
	CP-OFDM	QPSK		23.45	0.221	67M6G7D		
		16QAM		22.88	0.194	67M6D7D		
		80		DFTS-OFDM	BPSK	3 490.02	3 510	
	QPSK		25.37		0.344			77M0G7D
	16QAM		23.78		0.239			76M9D7D
	CP-OFDM		QPSK	23.41	0.219			77M7G7D
			16QAM	22.89	0.195			77M4D7D
			90	DFTS-OFDM	BPSK			3 495
	QPSK	24.54			0.284	86M9G7D		
	16QAM	23.39			0.218	86M9D7D		
	CP-OFDM	QPSK		22.91	0.195	87M4G7D		
		16QAM		22.43	0.175	87M4D7D		
		100		DFTS-OFDM	BPSK	3 500.01	3 500.01	
	QPSK		24.42		0.277			96M3G7D
	16QAM		23.25		0.211			96M3D7D
	CP-OFDM		QPSK	22.83	0.192			97M3G7D
			16QAM	22.34	0.171			97M5D7D

NR Band	Band width (MHz)	Modulation		Low Freq. (MHz)	Upper Freq. (MHz)	Conducted Average Power (dB m)	Conducted Average Power (W)	Emission Designator
n77/78 High Band siso	20	DFTS-OFDM	BPSK	3 710.01	3 969.99	24.72	0.296	17M9G7D
			QPSK			24.75	0.299	17M9G7D
			16QAM			23.59	0.229	18M0D7D
		CP-OFDM	QPSK			23.12	0.205	18M3G7D
			16QAM			22.73	0.187	18M3D7D
			30			DFTS-OFDM	BPSK	3 715.02
	QPSK	24.74		0.298	26M8G7D			
	16QAM	23.64		0.231	26M9D7D			
	CP-OFDM	QPSK		23.12	0.205	27M8G7D		
		16QAM		22.56	0.180	27M8D7D		
		40		DFTS-OFDM	BPSK	3 720	3 960	
	QPSK		24.79		0.301			36M0G7D
	16QAM		23.63		0.231			36M1D7D
	CP-OFDM		QPSK	23.29	0.213			38M1G7D
			16QAM	22.76	0.189			38M3D7D
			50	DFTS-OFDM	BPSK			3 725.01
	QPSK	24.66			0.292	46M0G7D		
	16QAM	23.49			0.223	45M9D7D		
	CP-OFDM	QPSK		23.10	0.204	47M7G7D		
		16QAM		22.69	0.186	47M7D7D		
		60		DFTS-OFDM	BPSK	3 730.02	3 949.98	
	QPSK		24.76		0.299			58M0G7D
	16QAM		23.62		0.230			58M0D7D
	CP-OFDM		QPSK	23.17	0.207			58M0G7D
			16QAM	22.75	0.188			57M9D7D
			70	DFTS-OFDM	BPSK			3 735
	QPSK	24.76			0.299	64M3G7D		
	16QAM	23.73			0.236	64M5D7D		
	CP-OFDM	QPSK		23.10	0.204	67M6G7D		
		16QAM		22.66	0.185	67M6D7D		
		80		DFTS-OFDM	BPSK	3 740.01	3 939.99	
	QPSK		24.80		0.302			77M0G7D
	16QAM		23.66		0.232			77M2D7D
	CP-OFDM		QPSK	23.04	0.201			77M7G7D
			16QAM	22.57	0.181			77M5D7D
			90	DFTS-OFDM	BPSK			3 745.02
	QPSK	24.66			0.292	86M7G7D		
	16QAM	23.63			0.231	86M9D7D		
	CP-OFDM	QPSK		22.99	0.199	87M6G7D		
		16QAM		22.64	0.184	87M6D7D		
		100		DFTS-OFDM	BPSK	3 750	3 930	
	QPSK		24.65		0.292			96M5G7D
	16QAM		23.67		0.233			96M3D7D
	CP-OFDM		QPSK	23.12	0.205			97M5G7D
			16QAM	22.69	0.186			97M3D7D

NR Band	Band width (MHz)	Modulation		Low Freq. (MHz)	Upper Freq. (MHz)	Conducted Average Power (dB m)	Conducted Average Power (W)	Emission Designator
n77/78 Low Band MIMO	20	QPSK	3 460.02	3 540	25.94	0.393	18M3G7D	
		16QAM					24.60	0.288
	30	QPSK	3 465	3 534.99	25.80	0.380	27M9G7D	
		16QAM					24.68	0.294
	40	QPSK	3 470.01	3 529.98	25.92	0.391	38M1G7D	
		16QAM					24.55	0.285
	50	QPSK	3 475.02	3 525	25.92	0.391	47M8G7D	
		16QAM					24.44	0.278
	60	QPSK	3 480	3 519.99	25.93	0.392	58M3G7D	
		16QAM					25.60	0.363
	70	QPSK	3 485.01	3 514.98	25.89	0.388	67M7G7D	
		16QAM					25.10	0.324
	80	QPSK	3 490.02	3 510	25.92	0.391	77M5G7D	
		16QAM					24.65	0.292
	90	QPSK	3 495	3 504.99	25.96	0.394	87M6G7D	
		16QAM					25.14	0.327
	100	QPSK	3 500.01	3 500.01	25.95	0.394	97M7G7D	
		16QAM					25.23	0.333

NR Band	Band width (MHz)	Modulation		Low Freq. (MHz)	Upper Freq. (MHz)	Conducted Average Power (dB m)	Conducted Average Power (W)	Emission Designator
n77/78 High Band MIMO	20	QPSK	3 710.01	3 969.99	25.95	0.394	18M3G7D	
		16QAM					25.11	0.324
	30	QPSK	3 715.02	3 964.98	25.93	0.392	27M9G7D	
		16QAM					25.26	0.336
	40	QPSK	3 720	3 960	25.92	0.391	38M3G7D	
		16QAM					25.21	0.332
	50	QPSK	3 725.01	3 954.99	25.93	0.392	47M8G7D	
		16QAM					24.95	0.313
	60	QPSK	3 730.02	3 949.98	25.97	0.395	58M1G7D	
		16QAM					25.22	0.333
	70	QPSK	3 735	3 945	25.88	0.387	67M7G7D	
		16QAM					25.01	0.317
	80	QPSK	3 740.01	3 939.99	25.95	0.394	77M5G7D	
		16QAM					25.04	0.319
	90	QPSK	3 745.02	3 934.98	25.96	0.394	87M8G7D	
		16QAM					24.93	0.311
	100	QPSK	3 750	3 930	25.95	0.394	97M7G7D	
		16QAM					24.96	0.313

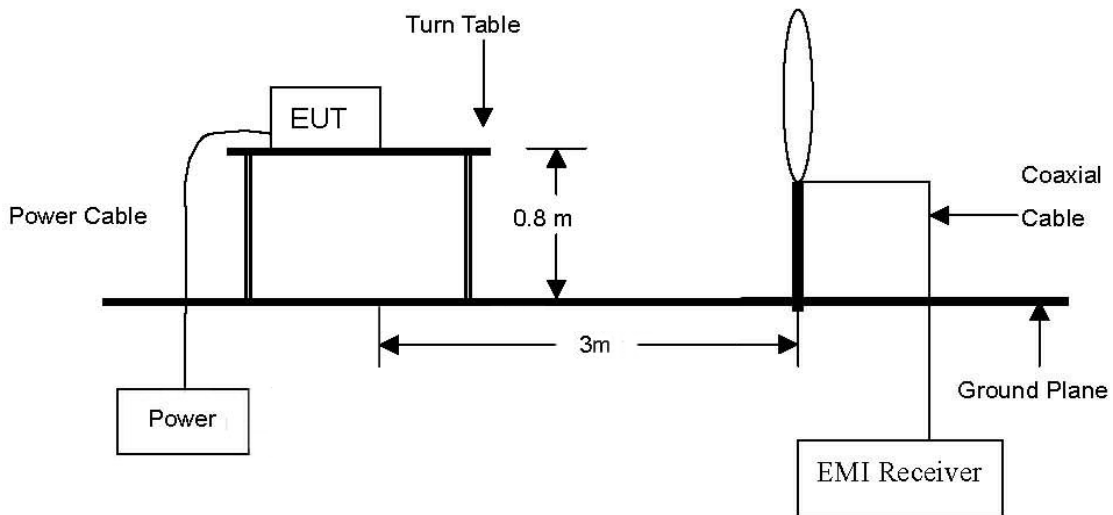
### 1.16. Information of Variant Model

Model Name		Description
Basic Model	TM05FNNAGM0	- Dual GNSS
Variant Model	TM05FNNAGM1	- Same RF circuit and PCB as basic model, except GNSS part - Single GNSS

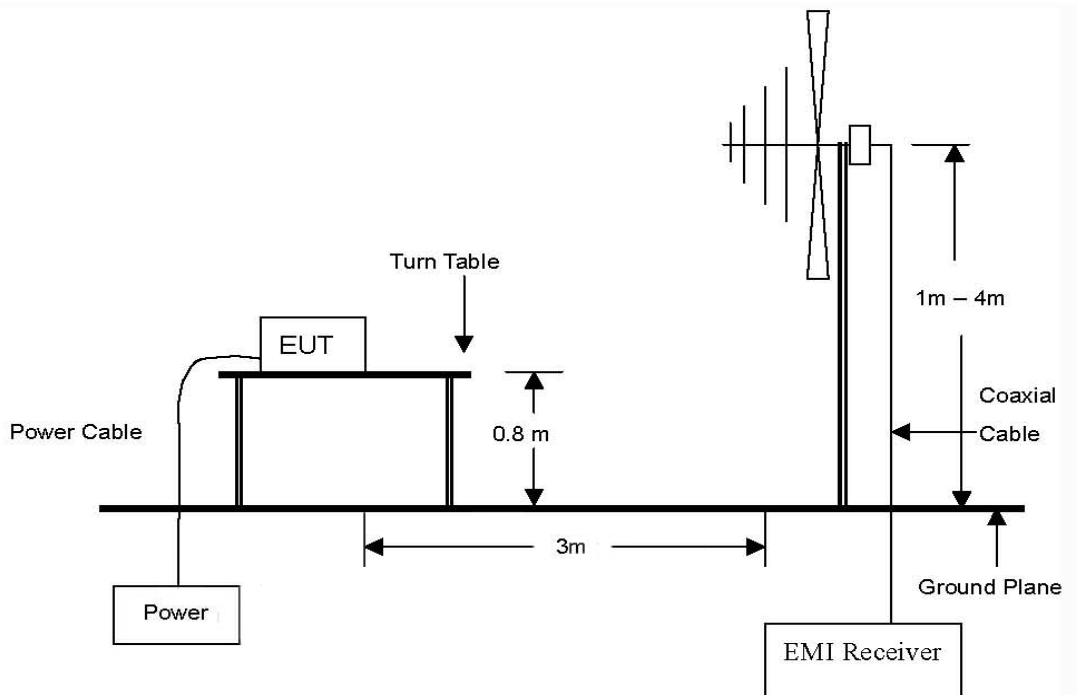
## 2. Radiated Output Power & Radiated Spurious Emissions

### 2.1. Test setup

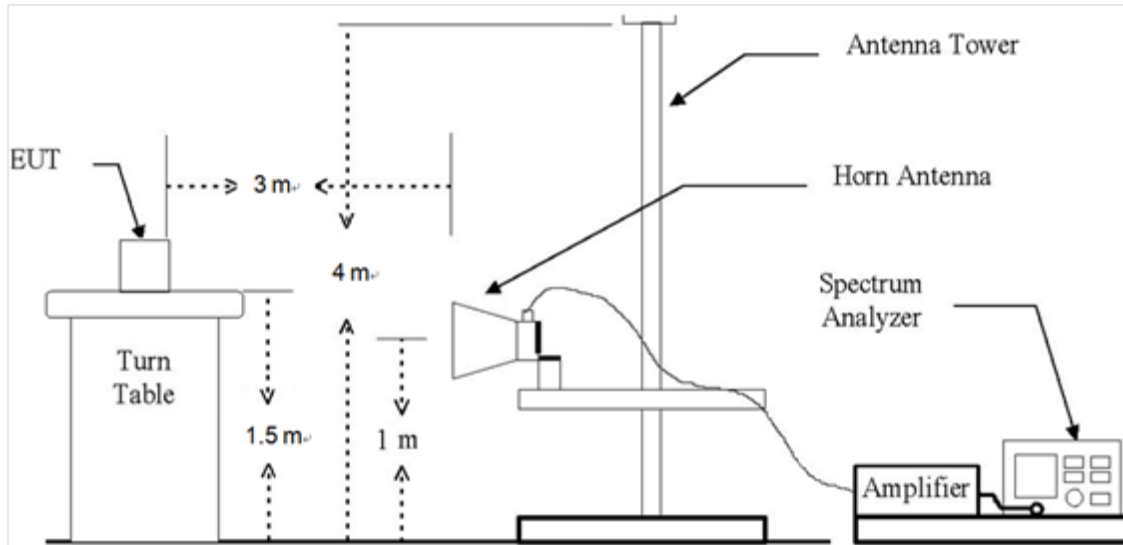
The diagram below shows the test setup that is utilized to make the measurements for emission from 9 kHz to 30 MHz.



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz Emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 1 GHz to 40 GHz Emissions.



## 2.2. Limit

### 2.2.1. Limit of E.I.R.P.

- §27.50(j)(3), Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

- §27.50(k)(3), Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

### 2.2.2. Limit of Radiated Spurious Emissions

- §27.53(l)(2), for mobile operations in the 3 700-3 980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm /MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

- §27.53(n)(2), for mobile operations in the 3 450-3 550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm /MHz.. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.



### 2.3. Test Procedure: Based on ANSI/TIA 603E: 2016 and ANSI C63.26-2015 and KDB 971168 D01 Power Meas License Digital Systems v03r01.

1. On a test site, the EUT shall be placed at 0.8 m or 1.5 m height on a turn table, and in the position close to normal use as declared by the applicant.
2. The test antenna shall be oriented initially for vertical polarization located 3 m from EUT to correspond to the fundamental frequency of the transmitter.
3. The output of the test antenna shall be connected to the measuring receiver and the peak detector is used for the measurement.
4. The maximized power level is recorded using the spectrum analyzer "Channel Power" function with the integration band set to the emissions occupied bandwidth, RBW = 1-5 % of the OBW (not to exceed 1 MHz), VBW  $\geq 3 \times$  RBW, Detector = power averaging (rms), sweep time = auto, trace average at least 100 traces in power averaging (rms) mode, per the guidelines of KDB 971168 D01 Power Meas License Digital Systems v03r01.
5. Radiated spurious emissions measurement method was set as follows:  
RBW = 100 kHz for emissions below 1 GHz and 1 MHz for emissions above 1 GHz, VBW  $\geq 3 \times$  RBW, Detector = RMS, trace mode = max hold, per the guidelines of KDB 971168 D01 Power Meas License Digital Systems v03r01.
6. The transmitter shall be switched on, the measuring receiver shall be tuned to the frequency of the transmitter under test.
7. The test antenna shall be raised and lowered through the specified range of height until the maximum signal level is detected by the measuring receiver.
8. The transmitter shall be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
9. The test antenna shall be raised and lowered again through the specified range of height until the maximum signal level is detected by the measuring receiver.
10. The maximum signal level detected by the measuring receiver shall be noted.
11. In necessary, the input attenuator setting on the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
12. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.
13. The measurement shall be repeated with the test antenna orientated for horizontal polarization.

## 2.4. Test Results

Ambient temperature : (23 ± 1) °C  
 Relative humidity : 47 % R.H.

### 2.4.1. Radiated Output Power

#### SISO

#### NR 77/78 Low Band (3 450 ~ 3 550 MHz)

BW (MHz)	Modulation	Frequency (MHz)	Measured Level (dBμV)	Ant. Pol.	AF (dB/m)	CL (dB)	E (dBμV/m)	CF (dB)	E.I.R.P.	
									(dB m)	(W)
20	DFT-S-OFDM BPSK	3 460.02	73.60	H	31.10	7.70	112.40	-95.26	17.14	0.052
		3 460.02	79.43	V	31.10	7.70	118.23	-95.26	22.97	0.198
		3 500.01	73.57	H	31.10	7.84	112.51	-95.26	17.25	0.053
		3 500.01	79.25	V	31.10	7.84	118.19	-95.26	22.93	0.196
		3 540.00	73.77	H	31.02	7.63	112.42	-95.26	17.16	0.052
		3 540.00	79.22	V	31.02	7.63	117.87	-95.26	22.61	0.182
30	DFT-S-OFDM BPSK	3 465.00	73.23	H	31.10	7.72	112.05	-95.26	16.79	0.048
		3 465.00	79.35	V	31.10	7.72	118.17	-95.26	22.91	0.196
		3 500.01	72.79	H	31.10	7.84	111.73	-95.26	16.47	0.044
		3 500.01	79.29	V	31.10	7.84	118.23	-95.26	22.97	0.198
		3 534.99	73.34	H	31.03	7.64	112.01	-95.26	16.75	0.047
		3 534.99	79.21	V	31.03	7.64	117.88	-95.26	22.62	0.183
40	DFT-S-OFDM BPSK	3 470.01	73.31	H	31.10	7.73	112.14	-95.26	16.88	0.049
		3 470.01	79.24	V	31.10	7.73	118.07	-95.26	22.81	0.191
		3 500.01	73.02	H	31.10	7.84	111.96	-95.26	16.70	0.047
		3 500.01	79.13	V	31.10	7.84	118.07	-95.26	22.81	0.191
		3 529.98	73.26	H	31.04	7.65	111.95	-95.26	16.69	0.047
		3 529.98	79.16	V	31.04	7.65	117.85	-95.26	22.59	0.182
50	DFT-S-OFDM BPSK	3 475.02	73.20	H	31.10	7.74	112.04	-95.26	16.78	0.048
		3 475.02	78.65	V	31.10	7.74	117.49	-95.26	22.23	0.167
		3 500.01	73.05	H	31.10	7.84	111.99	-95.26	16.73	0.047
		3 500.01	78.88	V	31.10	7.84	117.82	-95.26	22.56	0.180
		3 525.00	73.23	H	31.05	7.66	111.94	-95.26	16.68	0.047
		3 525.00	79.10	V	31.05	7.66	117.81	-95.26	22.55	0.180

BW (MHz)	Modulation	Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P.	
									(dB m)	(W)
60	DFT-S-OFDM BPSK	3 480.00	72.97	H	31.10	7.76	111.83	-95.26	16.57	0.045
		3 480.00	79.08	V	31.10	7.76	117.94	-95.26	22.68	0.185
		3 500.01	72.31	H	31.10	7.84	111.25	-95.26	15.99	0.040
		3 500.01	78.33	V	31.10	7.84	117.27	-95.26	22.01	0.159
		3 519.99	73.67	H	31.06	7.70	112.43	-95.26	17.17	0.052
		3 519.99	79.09	V	31.06	7.70	117.85	-95.26	22.59	0.182
70	DFT-S-OFDM BPSK	3 485.01	72.52	H	31.10	7.78	111.40	-95.26	16.14	0.041
		3 485.01	79.33	V	31.10	7.78	118.21	-95.26	22.95	0.197
		3 500.01	72.29	H	31.10	7.84	111.23	-95.26	15.97	0.040
		3 500.01	79.29	V	31.10	7.84	118.23	-95.26	22.97	0.198
		3 514.98	73.65	H	31.07	7.73	112.45	-95.26	17.19	0.052
		3 514.98	79.33	V	31.07	7.73	118.13	-95.26	22.87	0.194
80	DFT-S-OFDM BPSK	3 490.02	72.63	H	31.10	7.80	111.53	-95.26	16.27	0.042
		3 490.02	78.63	V	31.10	7.80	117.53	-95.26	22.27	0.169
		3 500.01	71.83	H	31.10	7.84	110.77	-95.26	15.51	0.036
		3 500.01	78.88	V	31.10	7.84	117.82	-95.26	22.56	0.180
		3 510.00	73.54	H	31.08	7.77	112.39	-95.26	17.13	0.052
		3 510.00	79.34	V	31.08	7.77	118.19	-95.26	22.93	0.196
90	DFT-S-OFDM BPSK	3 495.00	73.46	H	31.10	7.82	112.38	-95.26	17.12	0.052
		3 495.00	79.27	V	31.10	7.82	118.19	-95.26	22.93	0.196
		3 500.01	72.21	H	31.10	7.84	111.15	-95.26	15.89	0.039
		3 500.01	78.66	V	31.10	7.84	117.60	-95.26	22.34	0.171
		3 504.99	74.17	H	31.09	7.80	113.06	-95.26	17.80	0.060
		3 504.99	79.24	V	31.09	7.80	118.13	-95.26	22.87	0.194
100	DFT-S-OFDM BPSK	3 500.01	73.99	H	31.10	7.84	112.93	-95.26	17.67	0.059
		3 500.01	78.99	V	31.10	7.84	117.93	-95.26	22.67	0.185

**NR 77/78 High Band (3 700 ~ 3 980 MHz)**

BW (MHz)	Modulation	Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P.	
									(dB m)	(W)
20	DFT-S-OFDM BPSK	3 710.01	72.13	H	32.12	7.96	112.21	-95.26	16.95	0.050
		3 710.01	77.85	V	32.12	7.96	117.93	-95.26	22.67	0.185
		3 840.00	72.11	H	32.08	8.23	112.42	-95.26	17.16	0.052
		3 840.00	77.85	V	32.08	8.23	118.16	-95.26	22.90	0.195
		3 969.99	72.44	H	32.06	8.18	112.68	-95.26	17.42	0.055
		3 969.99	77.92	V	32.06	8.18	118.16	-95.26	22.90	0.195
30	DFT-S-OFDM BPSK	3 715.02	72.00	H	32.13	7.96	112.09	-95.26	16.83	0.048
		3 715.02	77.73	V	32.13	7.96	117.82	-95.26	22.56	0.180
		3 840.00	71.96	H	32.08	8.23	112.27	-95.26	17.01	0.050
		3 840.00	77.69	V	32.08	8.23	118.00	-95.26	22.74	0.188
		3 964.98	72.30	H	32.07	8.25	112.62	-95.26	17.36	0.054
		3 964.98	77.76	V	32.07	8.25	118.08	-95.26	22.82	0.192
40	DFT-S-OFDM BPSK	3 720.00	73.00	H	32.14	7.95	113.09	-95.26	17.83	0.061
		3 720.00	77.90	V	32.14	7.95	117.99	-95.26	22.73	0.188
		3 840.00	72.69	H	32.08	8.23	113.00	-95.26	17.74	0.059
		3 840.00	77.84	V	32.08	8.23	118.15	-95.26	22.89	0.195
		3 960.00	72.92	H	32.08	8.32	113.32	-95.26	18.06	0.064
		3 960.00	77.83	V	32.08	8.32	118.23	-95.26	22.97	0.198
50	DFT-S-OFDM BPSK	3 725.01	72.40	H	32.15	7.95	112.50	-95.26	17.24	0.053
		3 725.01	78.08	V	32.15	7.95	118.18	-95.26	22.92	0.196
		3 840.00	72.35	H	32.08	8.23	112.66	-95.26	17.40	0.055
		3 840.00	77.93	V	32.08	8.23	118.24	-95.26	22.98	0.199
		3 954.99	72.71	H	32.09	8.40	113.20	-95.26	17.94	0.062
		3 954.99	77.45	V	32.09	8.40	117.94	-95.26	22.68	0.185

BW (MHz)	Modulation	Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P.	
									(dB m)	(W)
60	DFT-S-OFDM BPSK	3 730.02	72.13	H	32.16	7.90	112.19	-95.26	16.93	0.049
		3 730.02	77.78	V	32.16	7.90	117.84	-95.26	22.58	0.181
		3 840.00	72.04	H	32.08	8.23	112.35	-95.26	17.09	0.051
		3 840.00	77.66	V	32.08	8.23	117.97	-95.26	22.71	0.187
		3 949.98	72.41	H	32.10	8.47	112.98	-95.26	17.72	0.059
		3 949.98	77.19	V	32.10	8.47	117.76	-95.26	22.50	0.178
70	DFT-S-OFDM BPSK	3 735.00	72.31	H	32.17	7.85	112.33	-95.26	17.07	0.051
		3 735.00	77.98	V	32.17	7.85	118.00	-95.26	22.74	0.188
		3 840.00	72.24	H	32.08	8.23	112.55	-95.26	17.29	0.054
		3 840.00	77.85	V	32.08	8.23	118.16	-95.26	22.90	0.195
		3 945.00	72.58	H	32.11	8.48	113.17	-95.26	17.91	0.062
		3 945.00	77.32	V	32.11	8.48	117.91	-95.26	22.65	0.184
80	DFT-S-OFDM BPSK	3 740.01	71.99	H	32.18	7.80	111.97	-95.26	16.71	0.047
		3 740.01	77.63	V	32.18	7.80	117.61	-95.26	22.35	0.172
		3 840.00	71.91	H	32.08	8.23	112.22	-95.26	16.96	0.050
		3 840.00	77.52	V	32.08	8.23	117.83	-95.26	22.57	0.181
		3 939.99	72.27	H	32.12	8.49	112.88	-95.26	17.62	0.058
		3 939.99	77.05	V	32.12	8.49	117.66	-95.26	22.40	0.174
90	DFT-S-OFDM BPSK	3 745.02	72.13	H	32.19	7.76	112.08	-95.26	16.82	0.048
		3 745.02	77.82	V	32.19	7.76	117.77	-95.26	22.51	0.178
		3 840.00	72.05	H	32.08	8.23	112.36	-95.26	17.10	0.051
		3 840.00	77.65	V	32.08	8.23	117.96	-95.26	22.70	0.186
		3 934.98	72.40	H	32.13	8.49	113.02	-95.26	17.76	0.060
		3 934.98	77.16	V	32.13	8.49	117.78	-95.26	22.52	0.179
100	DFT-S-OFDM BPSK	3 750.00	71.89	H	32.20	7.71	111.80	-95.26	16.54	0.045
		3 750.00	77.54	V	32.20	7.71	117.45	-95.26	22.19	0.166
		3 840.00	71.82	H	32.08	8.23	112.13	-95.26	16.87	0.049
		3 840.00	77.39	V	32.08	8.23	117.70	-95.26	22.44	0.175
		3 930.00	72.18	H	32.14	8.50	112.82	-95.26	17.56	0.057
		3 930.00	76.94	V	32.14	8.50	117.58	-95.26	22.32	0.171

**MIMO**

**NR 77/78 Low Band (3 450 ~ 3 550 MHz)**

BW (MHz)	Modulation	Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P.	
									(dB m)	(W)
20	CP-OFDM QPSK	3 460.02	73.20	H	31.10	7.70	112.00	-95.26	16.74	0.047
		3 460.02	79.17	V	31.10	7.70	117.97	-95.26	22.71	0.187
		3 500.01	73.13	H	31.10	7.84	112.07	-95.26	16.81	0.048
		3 500.01	79.23	V	31.10	7.84	118.17	-95.26	22.91	0.196
		3 540.00	73.35	H	31.02	7.63	112.00	-95.26	16.74	0.047
		3 540.00	78.79	V	31.02	7.63	117.44	-95.26	22.18	0.165
30	CP-OFDM QPSK	3 465.00	72.79	H	31.10	7.72	111.61	-95.26	16.35	0.043
		3 465.00	79.18	V	31.10	7.72	118.00	-95.26	22.74	0.188
		3 500.01	72.37	H	31.10	7.84	111.31	-95.26	16.05	0.040
		3 500.01	79.16	V	31.10	7.84	118.10	-95.26	22.84	0.192
		3 534.99	72.90	H	31.03	7.64	111.57	-95.26	16.31	0.043
		3 534.99	78.79	V	31.03	7.64	117.46	-95.26	22.20	0.166
40	CP-OFDM QPSK	3 470.01	72.88	H	31.10	7.73	111.71	-95.26	16.45	0.044
		3 470.01	78.83	V	31.10	7.73	117.66	-95.26	22.40	0.174
		3 500.01	72.60	H	31.10	7.84	111.54	-95.26	16.28	0.042
		3 500.01	78.70	V	31.10	7.84	117.64	-95.26	22.38	0.173
		3 529.98	72.85	H	31.04	7.65	111.54	-95.26	16.28	0.042
		3 529.98	78.74	V	31.04	7.65	117.43	-95.26	22.17	0.165
50	CP-OFDM QPSK	3 475.02	72.76	H	31.10	7.74	111.60	-95.26	16.34	0.043
		3 475.02	78.24	V	31.10	7.74	117.08	-95.26	21.82	0.152
		3 500.01	72.63	H	31.10	7.84	111.57	-95.26	16.31	0.043
		3 500.01	78.45	V	31.10	7.84	117.39	-95.26	22.13	0.163
		3 525.00	72.79	H	31.05	7.66	111.50	-95.26	16.24	0.042
		3 525.00	78.68	V	31.05	7.66	117.39	-95.26	22.13	0.163

BW (MHz)	Modulation	Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P.	
									(dB m)	(W)
60	CP-OFDM QPSK	3 480.00	72.53	H	31.10	7.76	111.39	-95.26	16.13	0.041
		3 480.00	78.67	V	31.10	7.76	117.53	-95.26	22.27	0.169
		3 500.01	71.90	H	31.10	7.84	110.84	-95.26	15.58	0.036
		3 500.01	77.92	V	31.10	7.84	116.86	-95.26	21.60	0.145
		3 519.99	73.25	H	31.06	7.70	112.01	-95.26	16.75	0.047
		3 519.99	78.65	V	31.06	7.70	117.41	-95.26	22.15	0.164
70	CP-OFDM QPSK	3 485.01	72.10	H	31.10	7.78	110.98	-95.26	15.72	0.037
		3 485.01	78.91	V	31.10	7.78	117.79	-95.26	22.53	0.179
		3 500.01	71.87	H	31.10	7.84	110.81	-95.26	15.55	0.036
		3 500.01	78.89	V	31.10	7.84	117.83	-95.26	22.57	0.181
		3 514.98	73.23	H	31.07	7.73	112.03	-95.26	16.77	0.048
		3 514.98	78.92	V	31.07	7.73	117.72	-95.26	22.46	0.176
80	CP-OFDM QPSK	3 490.02	72.21	H	31.10	7.80	111.11	-95.26	15.85	0.038
		3 490.02	78.19	V	31.10	7.80	117.09	-95.26	21.83	0.152
		3 500.01	71.40	H	31.10	7.84	110.34	-95.26	15.08	0.032
		3 500.01	78.48	V	31.10	7.84	117.42	-95.26	22.16	0.165
		3 510.00	73.12	H	31.08	7.77	111.97	-95.26	16.71	0.047
		3 510.00	78.90	V	31.08	7.77	117.75	-95.26	22.49	0.178
90	CP-OFDM QPSK	3 495.00	73.03	H	31.10	7.82	111.95	-95.26	16.69	0.047
		3 495.00	78.88	V	31.10	7.82	117.80	-95.26	22.54	0.180
		3 500.01	71.80	H	31.10	7.84	110.74	-95.26	15.48	0.035
		3 500.01	78.24	V	31.10	7.84	117.18	-95.26	21.92	0.156
		3 504.99	73.76	H	31.09	7.80	112.65	-95.26	17.39	0.055
		3 504.99	78.83	V	31.09	7.80	117.72	-95.26	22.46	0.176
100	CP-OFDM QPSK	3 500.01	73.57	H	31.10	7.84	112.51	-95.26	17.25	0.053
		3 500.01	78.55	V	31.10	7.84	117.49	-95.26	22.23	0.167

**NR 77/78 High Band (3 700 ~ 3 980 MHz)**

BW (MHz)	Modulation	Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P.	
									(dB m)	(W)
20	CP-OFDM QPSK	3 710.01	72.34	H	32.12	7.96	112.42	-95.26	17.16	0.052
		3 710.01	78.07	V	32.12	7.96	118.15	-95.26	22.89	0.195
		3 840.00	72.32	H	32.08	8.23	112.63	-95.26	17.37	0.055
		3 840.00	77.90	V	32.08	8.23	118.21	-95.26	22.95	0.197
		3 969.99	72.62	H	32.06	8.18	112.86	-95.26	17.60	0.058
		3 969.99	77.93	V	32.06	8.18	118.17	-95.26	22.91	0.196
30	CP-OFDM QPSK	3 715.02	72.17	H	32.13	7.96	112.26	-95.26	17.00	0.050
		3 715.02	77.91	V	32.13	7.96	118.00	-95.26	22.74	0.188
		3 840.00	72.15	H	32.08	8.23	112.46	-95.26	17.20	0.053
		3 840.00	77.89	V	32.08	8.23	118.20	-95.26	22.94	0.197
		3 964.98	72.52	H	32.07	8.25	112.84	-95.26	17.58	0.057
		3 964.98	77.80	V	32.07	8.25	118.12	-95.26	22.86	0.193
40	CP-OFDM QPSK	3 720.00	73.17	H	32.14	7.95	113.26	-95.26	18.00	0.063
		3 720.00	78.07	V	32.14	7.95	118.16	-95.26	22.90	0.195
		3 840.00	72.87	H	32.08	8.23	113.18	-95.26	17.92	0.062
		3 840.00	77.90	V	32.08	8.23	118.21	-95.26	22.95	0.197
		3 960.00	73.12	H	32.08	8.32	113.52	-95.26	18.26	0.067
		3 960.00	77.73	V	32.08	8.32	118.13	-95.26	22.87	0.194
50	CP-OFDM QPSK	3 725.01	72.61	H	32.15	7.95	112.71	-95.26	17.45	0.056
		3 725.01	77.89	V	32.15	7.95	117.99	-95.26	22.73	0.188
		3 840.00	72.55	H	32.08	8.23	112.86	-95.26	17.60	0.058
		3 840.00	77.90	V	32.08	8.23	118.21	-95.26	22.95	0.197
		3 954.99	72.89	H	32.09	8.40	113.38	-95.26	18.12	0.065
		3 954.99	77.62	V	32.15	7.95	112.71	-95.26	17.45	0.056



BW (MHz)	Modulation	Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P.	
									(dB m)	(W)
60	CP-OFDM QPSK	3 730.02	72.32	H	32.16	7.90	112.38	-95.26	17.12	0.052
		3 730.02	77.95	V	32.16	7.90	118.01	-95.26	22.75	0.188
		3 840.00	72.25	H	32.08	8.23	112.56	-95.26	17.30	0.054
		3 840.00	77.87	V	32.08	8.23	118.18	-95.26	22.92	0.196
		3 949.98	72.58	H	32.10	8.47	113.15	-95.26	17.89	0.062
		3 949.98	77.40	V	32.10	8.47	117.97	-95.26	22.71	0.187
70	CP-OFDM QPSK	3 735.00	72.49	H	32.17	7.85	112.51	-95.26	17.25	0.053
		3 735.00	78.19	V	32.17	7.85	118.21	-95.26	22.95	0.197
		3 840.00	72.43	H	32.08	8.23	112.74	-95.26	17.48	0.056
		3 840.00	77.89	V	32.08	8.23	118.20	-95.26	22.94	0.197
		3 945.00	72.78	H	32.11	8.48	113.37	-95.26	18.11	0.065
		3 945.00	77.50	V	32.11	8.48	118.09	-95.26	22.83	0.192
80	CP-OFDM QPSK	3 740.01	72.16	H	32.18	7.80	112.14	-95.26	16.88	0.049
		3 740.01	77.84	V	32.18	7.80	117.82	-95.26	22.56	0.180
		3 840.00	72.13	H	32.08	8.23	112.44	-95.26	17.18	0.052
		3 840.00	77.74	V	32.08	8.23	118.05	-95.26	22.79	0.190
		3 939.99	72.46	H	32.12	8.49	113.07	-95.26	17.81	0.060
		3 939.99	77.26	V	32.12	8.49	117.87	-95.26	22.61	0.182
90	CP-OFDM QPSK	3 745.02	72.34	H	32.19	7.76	112.29	-95.26	17.03	0.050
		3 745.02	78.04	V	32.19	7.76	117.99	-95.26	22.73	0.188
		3 840.00	72.25	H	32.08	8.23	112.56	-95.26	17.30	0.054
		3 840.00	77.85	V	32.08	8.23	118.16	-95.26	22.90	0.195
		3 934.98	72.57	H	32.13	8.49	113.19	-95.26	17.93	0.062
		3 934.98	77.37	V	32.13	8.49	117.99	-95.26	22.73	0.188
100	CP-OFDM QPSK	3 750.00	72.06	H	32.20	7.71	111.97	-95.26	16.71	0.047
		3 750.00	77.72	V	32.20	7.71	117.63	-95.26	22.37	0.173
		3 840.00	72.03	H	32.08	8.23	112.34	-95.26	17.08	0.051
		3 840.00	77.59	V	32.08	8.23	117.90	-95.26	22.64	0.184
		3 930.00	72.39	H	32.14	8.50	113.03	-95.26	17.77	0.060
		3 930.00	77.16	V	32.14	8.50	117.80	-95.26	22.54	0.180

### 2.4.2. Spurious Radiated Emissions

#### SISO

#### Low Band (3 450 ~ 3 550 MHz)

##### NR Band 77/78 (80 MHz - DFTS-OFDM QPSK)

Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (3 490.02 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
Middle Channel (3 500.01 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
High Channel (3 510.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-

#### High Band (3 700 ~ 3 980 MHz)

##### NR Band 77/78 (80 MHz - DFTS-OFDM QPSK)

Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (3 740.01 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
Middle Channel (3 840.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
High Channel (3 939.99 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-

**ENDC**

**Low Band (3 450 ~ 3 550 MHz)**

**7A-n77A (60 MHz - DFTS-OFDM BPSK)**

Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (3 480.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
Middle Channel (3 500.01 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
High Channel (3 519.99 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-

**5A-n78A (20 MHz - DFTS-OFDM QPSK)**

Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (3 460.02 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
Middle Channel (3 500.01 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
High Channel (3 540.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-

**High Band (3 700 ~ 3 980 MHz)**

**7A-n77A (40 MHz - DFTS-OFDM BPSK)**

Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (3 720.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
Middle Channel (3 840.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
High Channel (3 960.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-

**5A-n78A (60 MHz - DFTS-OFDM BPSK)**

Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (3 730.02 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
Middle Channel (3 840.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
High Channel (3 949.98 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-

**MIMO**

**Low Band (3 450 ~ 3 550 MHz)**

**NR Band 77/78 (90 MHz - CP-OFDM QPSK)**

Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (3 495.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
Middle Channel (3 500.01 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
High Channel (3 504.99 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-

**High Band (3 700 ~ 3 980 MHz)**

**NR Band 77/78 (60 MHz - CP-OFDM QPSK)**

Frequency (MHz)	Measured Level (dB $\mu$ V)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB $\mu$ V/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (3 730.02 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
Middle Channel (3 840.00 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-
High Channel (3 949.98 MHz)									
Below 1 000.00	Not detected	-	-	-	-	-	-	-	-
Above 1 000.00	Not detected	-	-	-	-	-	-	-	-

**Remark;**

1. AF = Antenna Factor, CL = Cable Loss, CF = Conversion Factor.
2.  $E \text{ (dB}\mu\text{V/m)} = \text{Measured Level (dB}\mu\text{V)} + \text{Antenna Factor (dB/m)} + \text{AMP (dB)} + \text{Cable Loss (dB)}$ .
3.  $\text{E.I.R.P. (dB m)} = E \text{ (dB}\mu\text{V/m)} + \text{CF (dB)}$ .
4.  $\text{E.R.P. (dB m)} = E \text{ (dB}\mu\text{V/m)} + \text{CF (dB)} - 2.15 \text{ (dB)}$ ; where E.R.P. and E.I.R.P. are expressed in consistent units.
5.  $\text{CF (dB)} = 20 \log D - 104.8$ ; where D is the measurement distance in meters, According to KDB 971168 D01 v03r01 5.8.4.
6. The frequency spectrum is examined from 9 kHz to the 10<sup>th</sup> harmonic of the fundamental frequency of the transmitter. No other spurious and harmonic emissions were reported greater than listed emissions above table.

### 3. Conducted Output Power

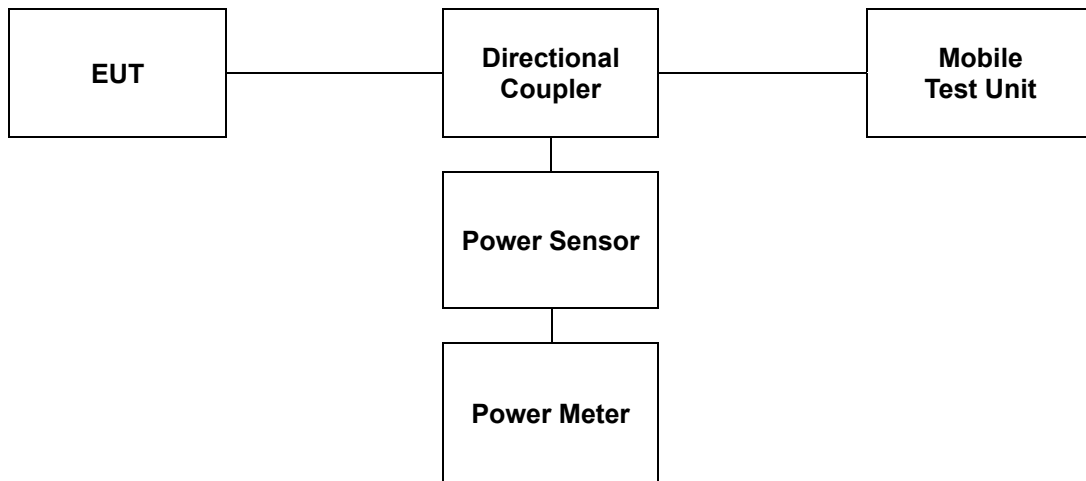
#### 3.1. Limit

CFR 47, Section §2.1046.

#### 3.2. Test Procedure

Output power shall be measured at the RF output terminals for all configurations.

1. The RF output of the transmitter was connected to the input of the mobile test unit in order to establish communication with the EUT.
2. The EUT was set up for the max. output power with pseudo random data modulation by using mobile test unit parameters.
3. The measurement performed using a wideband RF power meter.
4. This EUT was tested under all configurations and the highest power was investigated and reported.



### 3.3. Test Result

Ambient temperature : (23 ± 1) °C  
 Relative humidity : 47 % R.H.

#### SISO

#### Low Band (3 450 ~ 3 550 MHz)

NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					630668 (3 460.02 MHz)		633340 (3 500.01 MHz)		636000 (3 540.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	24.82	0.303	24.79	0.301	24.85	0.305
			1	26	24.78	0.301	24.80	0.302	24.83	0.304
			1	49	24.73	0.297	24.70	0.295	<b>24.88</b>	<b>0.308</b>
			25	0	24.27	0.267	24.24	0.265	24.38	0.274
			25	13	24.77	0.300	24.77	0.300	24.80	0.302
			25	26	24.27	0.267	24.20	0.263	24.31	0.270
		50	0	24.35	0.272	24.24	0.265	24.37	0.274	
		DFT-S-OFDM QPSK	1	1	24.78	0.301	24.70	0.295	24.80	0.302
			1	26	24.89	0.308	24.85	0.305	24.77	0.300
			1	49	24.82	0.303	24.86	0.306	24.88	0.308
			25	0	23.95	0.248	23.64	0.231	23.73	0.236
			25	13	24.74	0.298	24.89	0.308	<b>24.92</b>	<b>0.310</b>
			25	26	23.90	0.245	23.85	0.243	23.76	0.238
		50	0	23.72	0.236	23.72	0.236	23.75	0.237	
		DFT-S-OFDM 16QAM	1	1	23.83	0.242	23.72	0.236	<b>23.94</b>	<b>0.248</b>
		DFT-S-OFDM 64QAM	1	1	22.41	0.174	22.30	0.170	22.43	0.175
		CP-OFDM QPSK	1	1	23.39	0.218	23.36	0.217	<b>23.41</b>	<b>0.219</b>
		CP-OFDM 16QAM	1	1	<b>22.86</b>	<b>0.193</b>	22.79	0.190	22.79	0.190
CP-OFDM 64QAM	1	1	21.33	0.136	21.32	0.136	21.39	0.138		



NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631000 (3 465.00 MHz)		633340 (3 500.01 MHz)		635666 (3 534.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	24.79	0.301	25.13	0.326	25.33	0.341
			1	39	24.69	0.294	25.20	0.331	25.29	0.338
			1	76	24.74	0.298	25.10	0.324	25.27	0.337
			36	0	24.27	0.267	24.53	0.284	24.83	0.304
			36	21	24.77	0.300	25.10	0.324	<b>25.36</b>	<b>0.344</b>
			36	42	24.30	0.269	24.70	0.295	24.82	0.303
		DFT-S-OFDM QPSK	75	0	24.20	0.263	24.66	0.292	24.81	0.303
			1	1	24.70	0.295	25.13	0.326	25.25	0.335
			1	39	24.86	0.306	25.20	0.331	25.27	0.337
			1	76	24.84	0.305	25.19	0.330	25.25	0.335
			36	0	23.77	0.238	24.28	0.268	24.40	0.275
			36	21	24.88	0.308	25.04	0.319	<b>25.30</b>	<b>0.339</b>
		DFT-S-OFDM 16QAM	36	42	23.70	0.234	24.05	0.254	24.27	0.267
			75	0	23.86	0.243	24.25	0.266	24.23	0.265
			1	1	23.80	0.240	24.17	0.261	<b>24.24</b>	<b>0.265</b>
			1	1	22.34	0.171	22.55	0.180	22.80	0.191
			1	1	23.27	0.212	23.59	0.229	<b>23.75</b>	<b>0.237</b>
			1	1	22.74	0.188	23.16	0.207	<b>23.34</b>	<b>0.216</b>
40	30	DFT-S-OFDM BPSK	1	1	24.85	0.305	25.09	0.323	25.21	0.332
			1	53	24.83	0.304	25.10	0.324	25.22	0.333
			1	104	24.83	0.304	25.04	0.319	<b>25.26</b>	<b>0.336</b>
			50	0	24.33	0.271	24.62	0.290	24.61	0.289
			50	28	24.78	0.301	25.08	0.322	25.11	0.324
			50	56	24.26	0.267	24.53	0.284	24.64	0.291
		DFT-S-OFDM QPSK	100	0	24.45	0.279	24.53	0.284	24.75	0.299
			1	1	24.85	0.305	25.07	0.321	<b>25.30</b>	<b>0.339</b>
			1	53	24.78	0.301	25.18	0.330	25.11	0.324
			1	104	24.76	0.299	25.04	0.319	25.18	0.330
			50	0	23.92	0.247	23.96	0.249	24.33	0.271
			50	28	24.89	0.308	25.11	0.324	25.12	0.325
		DFT-S-OFDM 16QAM	50	56	23.74	0.237	24.19	0.262	24.07	0.255
			100	0	23.93	0.247	23.94	0.248	24.20	0.263
			1	1	23.89	0.245	24.05	0.254	<b>24.23</b>	<b>0.265</b>
			1	1	22.33	0.171	22.65	0.184	22.81	0.191
			1	1	23.35	0.216	23.54	0.226	<b>23.70</b>	<b>0.234</b>
			1	1	22.86	0.193	23.13	0.206	<b>23.28</b>	<b>0.213</b>
CP-OFDM 64QAM	1	1	21.34	0.136	21.50	0.141	21.77	0.150		

NR Band 77/78-Low Band													
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power								
					631668 (3 475.02 MHz)		633340 (3 500.01 MHz)		635000 (3 525.00 MHz)				
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)			
50	30	DFT-S-OFDM BPSK	1	1	24.60	0.288	24.99	0.316	24.98	0.315			
			1	67	24.68	0.294	24.94	0.312	24.96	0.313			
			1	131	24.67	0.293	25.01	0.317	24.89	0.308			
			64	0	24.02	0.252	24.39	0.275	24.42	0.277			
			64	35	24.51	0.282	<b>25.07</b>	<b>0.321</b>	24.97	0.314			
			64	69	24.20	0.263	24.42	0.277	24.51	0.282			
		DFT-S-OFDM QPSK	128	0	24.01	0.252	24.59	0.288	24.43	0.277			
			1	1	24.51	0.282	24.90	0.309	24.99	0.316			
			1	67	24.67	0.293	24.99	0.316	24.92	0.310			
			1	131	24.65	0.292	<b>25.09</b>	<b>0.323</b>	24.91	0.310			
			64	0	23.62	0.230	24.13	0.259	23.85	0.243			
			64	35	24.54	0.284	24.98	0.315	24.89	0.308			
		DFT-S-OFDM 16QAM	64	69	23.66	0.232	24.01	0.252	24.01	0.252			
			128	0	23.53	0.225	24.06	0.255	24.06	0.255			
			1	1	23.68	0.233	<b>24.05</b>	<b>0.254</b>	23.97	0.249			
			1	1	22.05	0.160	22.40	0.174	22.53	0.179			
			1	1	23.17	0.207	<b>23.56</b>	<b>0.227</b>	23.56	0.227			
			1	1	22.61	0.182	22.95	0.197	<b>23.01</b>	<b>0.200</b>			
60	30	DFT-S-OFDM BPSK	1	1	21.04	0.127	21.40	0.138	21.48	0.141			
			NR Band 77/78-Low Band										
			BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
								632000 (3 480.00 MHz)		633340 (3 500.01 MHz)		634666 (3 519.99 MHz)	
								(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
			60	30	DFT-S-OFDM BPSK	1	1	24.69	0.294	24.94	0.312	24.93	0.311
		1				81	24.78	0.301	24.99	0.316	24.84	0.305	
		1				160	24.78	0.301	24.86	0.306	25.01	0.317	
		81				0	24.13	0.259	24.47	0.280	24.50	0.282	
		81				41	24.68	0.294	<b>25.04</b>	<b>0.319</b>	24.98	0.315	
		81				81	24.17	0.261	24.48	0.281	24.34	0.272	
		DFT-S-OFDM QPSK			162	0	24.11	0.258	24.48	0.281	24.35	0.272	
					1	1	24.69	0.294	25.01	0.317	24.89	0.308	
					1	81	24.68	0.294	<b>25.04</b>	<b>0.319</b>	24.97	0.314	
					1	160	24.62	0.290	24.94	0.312	25.03	0.318	
					81	0	23.74	0.237	23.87	0.244	23.88	0.244	
					81	41	24.70	0.295	24.99	0.316	24.96	0.313	
		DFT-S-OFDM 16QAM			81	81	23.58	0.228	23.88	0.244	23.80	0.240	
162	0				23.81	0.240	23.85	0.243	24.06	0.255			
1	1				23.72	0.236	23.96	0.249	<b>24.01</b>	<b>0.252</b>			
1	1				22.23	0.167	22.45	0.176	22.44	0.175			
1	1				23.15	0.207	23.39	0.218	<b>23.51</b>	<b>0.224</b>			
1	1				22.67	0.185	22.86	0.193	<b>22.91</b>	<b>0.195</b>			
DFT-S-OFDM 64QAM	1	1	21.10	0.129	21.47	0.140	21.49	0.141					
	1	1	21.10	0.129	21.47	0.140	21.49	0.141					

NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632334 (3 485.01 MHz)		633340 (3 500.01 MHz)		634332 (3 514.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	24.64	0.291	24.79	0.301	24.89	0.308
			1	95	24.65	0.292	24.85	0.305	24.92	0.310
			1	187	24.57	0.286	24.83	0.304	24.80	0.302
			90	0	24.09	0.256	24.33	0.271	24.32	0.270
			90	50	24.61	0.289	24.70	0.295	<b>24.94</b>	<b>0.312</b>
			90	99	24.17	0.261	24.34	0.272	24.38	0.274
		DFT-S-OFDM QPSK	180	0	24.07	0.255	24.34	0.272	24.46	0.279
			1	1	24.70	0.295	24.77	0.300	24.79	0.301
			1	95	24.60	0.288	24.78	0.301	24.81	0.303
			1	187	24.61	0.289	24.74	0.298	<b>24.99</b>	<b>0.316</b>
			90	0	23.52	0.225	23.77	0.238	23.91	0.246
			90	50	24.61	0.289	24.70	0.295	24.87	0.307
		DFT-S-OFDM 16QAM	90	99	23.70	0.234	23.88	0.244	23.99	0.251
			180	0	23.65	0.232	23.82	0.241	23.81	0.240
			1	1	23.65	0.232	23.81	0.240	<b>23.88</b>	<b>0.244</b>
			1	1	22.23	0.167	22.21	0.166	22.46	0.176
			1	1	23.15	0.207	23.19	0.208	<b>23.45</b>	<b>0.221</b>
			1	1	22.70	0.186	22.69	0.186	<b>22.88</b>	<b>0.194</b>
80	30	DFT-S-OFDM BPSK	1	1	24.67	0.293	24.79	0.301	24.82	0.303
			1	109	24.65	0.292	24.79	0.301	24.89	0.308
			1	215	24.57	0.286	24.70	0.295	24.87	0.307
			108	0	24.14	0.259	24.31	0.270	24.24	0.265
			108	55	24.75	0.299	24.76	0.299	<b>24.90</b>	<b>0.309</b>
			108	109	24.17	0.261	24.25	0.266	24.36	0.273
		DFT-S-OFDM QPSK	216	0	24.18	0.262	24.38	0.274	24.37	0.274
			1	1	24.77	0.300	24.72	0.296	24.84	0.305
			1	109	24.74	0.298	24.75	0.299	<b>25.37</b>	<b>0.344</b>
			1	215	24.73	0.297	24.75	0.299	24.76	0.299
			108	0	23.58	0.228	23.72	0.236	23.73	0.236
			108	55	24.73	0.297	24.69	0.294	24.90	0.309
		DFT-S-OFDM 16QAM	108	109	23.80	0.240	23.93	0.247	23.82	0.241
			216	0	23.53	0.225	23.78	0.239	23.68	0.233
			1	1	23.72	0.236	<b>23.78</b>	<b>0.239</b>	23.72	0.236
			1	1	22.12	0.163	22.34	0.171	22.23	0.167
			1	1	23.13	0.206	23.31	0.214	<b>23.41</b>	<b>0.219</b>
			1	1	22.62	0.183	<b>22.89</b>	<b>0.195</b>	22.77	0.189
DFT-S-OFDM 64QAM	1	1	21.08	0.128	21.20	0.132	21.22	0.132		

NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633000 (3 495.00 MHz)		633340 (3 500.01 MHz)		633666 (3 504.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	24.22	0.264	24.33	0.271	24.46	0.279
			1	123	24.26	0.267	24.36	0.273	24.47	0.280
			1	243	24.22	0.264	24.42	0.277	<b>24.49</b>	<b>0.281</b>
			120	0	23.72	0.236	23.90	0.245	23.94	0.248
			120	63	24.26	0.267	24.29	0.269	24.41	0.276
			120	125	23.66	0.232	23.90	0.245	23.95	0.248
		DFT-S-OFDM QPSK	243	0	23.65	0.232	23.88	0.244	24.02	0.252
			1	1	24.21	0.264	24.34	0.272	24.41	0.276
			1	123	24.30	0.269	24.38	0.274	24.45	0.279
			1	243	24.29	0.269	24.25	0.266	<b>24.54</b>	<b>0.284</b>
			120	0	23.09	0.204	23.37	0.217	23.48	0.223
			120	63	24.27	0.267	24.29	0.269	24.42	0.277
		DFT-S-OFDM 16QAM	120	125	23.18	0.208	23.38	0.218	23.31	0.214
			243	0	23.36	0.217	23.40	0.219	23.45	0.221
			1	1	23.22	0.210	<b>23.39</b>	<b>0.218</b>	23.37	0.217
			1	1	21.70	0.148	21.85	0.153	21.87	0.154
CP-OFDM QPSK	1	1	22.79	0.190	22.79	0.190	<b>22.91</b>	<b>0.195</b>		
	1	1	22.17	0.165	<b>22.43</b>	<b>0.175</b>	22.39	0.173		
CP-OFDM 16QAM	1	1	20.65	0.116	20.86	0.122	20.86	0.122		
CP-OFDM 64QAM	1	1	20.65	0.116	20.86	0.122	20.86	0.122		
NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633340 (3 500.01 MHz)					
							(dB m)	(W)		
100	30	DFT-S-OFDM BPSK	1	1	-	-	24.34	0.272	-	-
			1	137	-	-	24.30	0.269	-	-
			1	271	-	-	24.30	0.269	-	-
			135	0	-	-	23.92	0.247	-	-
			135	69	-	-	<b>24.40</b>	<b>0.275</b>	-	-
			135	138	-	-	23.91	0.246	-	-
		DFT-S-OFDM QPSK	270	0	-	-	23.76	0.238	-	-
			1	1	-	-	<b>24.42</b>	<b>0.277</b>	-	-
			1	137	-	-	24.29	0.269	-	-
			1	271	-	-	24.34	0.272	-	-
			135	0	-	-	23.36	0.217	-	-
			135	69	-	-	24.27	0.267	-	-
		DFT-S-OFDM 16QAM	135	138	-	-	23.21	0.209	-	-
			270	0	-	-	23.26	0.212	-	-
			1	1	-	-	<b>23.25</b>	<b>0.211</b>	-	-
			1	1	-	-	21.88	0.154	-	-
CP-OFDM QPSK	1	1	-	-	<b>22.83</b>	<b>0.192</b>	-	-		
	1	1	-	-	<b>22.34</b>	<b>0.171</b>	-	-		
CP-OFDM 16QAM	1	1	-	-	20.74	0.119	-	-		
CP-OFDM 64QAM	1	1	-	-	20.74	0.119	-	-		

**High Band (3 700 ~ 3 980 MHz)**

NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647334 (3 710.01 MHz)		656000 (3 840.00 MHz)		664666 (3 969.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	24.65	0.292	24.65	0.292	24.28	0.268
			1	26	24.59	0.288	24.60	0.288	24.25	0.266
			1	49	<b>24.72</b>	<b>0.296</b>	24.65	0.292	24.38	0.274
			25	0	24.25	0.266	24.09	0.256	23.73	0.236
			25	13	24.55	0.285	24.60	0.288	24.35	0.272
			25	26	24.25	0.266	24.13	0.259	23.76	0.238
		50	0	24.22	0.264	24.06	0.255	23.88	0.244	
		DFT-S-OFDM QPSK	1	1	24.69	0.294	<b>24.75</b>	<b>0.299</b>	24.32	0.270
			1	26	24.61	0.289	24.66	0.292	24.19	0.262
			1	49	24.71	0.296	24.74	0.298	24.20	0.263
			25	0	23.72	0.236	23.57	0.228	23.13	0.206
			25	13	24.59	0.288	24.70	0.295	24.30	0.269
			25	26	23.63	0.231	23.65	0.232	23.39	0.218
		50	0	23.65	0.232	23.63	0.231	23.41	0.219	
		DFT-S-OFDM 16QAM	1	1	<b>23.59</b>	<b>0.229</b>	23.57	0.228	23.36	0.217
		DFT-S-OFDM 64QAM	1	1	22.19	0.166	22.21	0.166	21.68	0.147
CP-OFDM QPSK	1	1	<b>23.12</b>	<b>0.205</b>	23.10	0.204	22.73	0.187		
CP-OFDM 16QAM	1	1	22.71	0.187	<b>22.73</b>	<b>0.187</b>	22.19	0.166		
CP-OFDM 64QAM	1	1	21.18	0.131	21.05	0.127	20.84	0.121		

NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647668 (3 715.02 MHz)		656000 (3 840.00 MHz)		664332 (3 964.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	24.52	0.283	24.64	0.291	24.21	0.264
			1	39	24.43	0.277	24.58	0.287	24.20	0.263
			1	76	24.46	0.279	24.63	0.290	24.17	0.261
			36	0	24.02	0.252	24.04	0.254	23.74	0.237
			36	21	24.57	0.286	<b>24.69</b>	<b>0.294</b>	24.18	0.262
			36	42	23.97	0.249	24.18	0.262	23.65	0.232
			75	0	24.01	0.252	24.19	0.262	23.71	0.235
		DFT-S-OFDM QPSK	1	1	24.60	0.288	<b>24.74</b>	<b>0.298</b>	24.15	0.260
			1	39	24.58	0.287	24.70	0.295	24.27	0.267
			1	76	24.52	0.283	24.56	0.286	24.27	0.267
			36	0	23.39	0.218	23.60	0.229	23.23	0.210
			36	21	24.47	0.280	24.57	0.286	24.31	0.270
			36	42	23.46	0.222	23.49	0.223	23.09	0.204
			75	0	23.49	0.223	23.71	0.235	23.07	0.203
		DFT-S-OFDM 16QAM	1	1	23.44	0.221	<b>23.64</b>	<b>0.231</b>	23.29	0.213
		DFT-S-OFDM 64QAM	1	1	21.96	0.157	22.19	0.166	21.74	0.149
CP-OFDM QPSK	1	1	23.09	0.204	<b>23.12</b>	<b>0.205</b>	22.71	0.187		
CP-OFDM 16QAM	1	1	22.42	0.175	<b>22.56</b>	<b>0.180</b>	22.29	0.169		
CP-OFDM 64QAM	1	1	20.96	0.125	21.20	0.132	20.62	0.115		

NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648000 (3 720.00 MHz)		656000 (3 840.00 MHz)		664000 (3 960.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	24.63	0.290	24.70	0.295	24.12	0.258
			1	53	24.60	0.288	24.65	0.292	24.19	0.262
			1	104	24.67	0.293	24.64	0.291	24.18	0.262
			50	0	24.23	0.265	24.14	0.259	23.62	0.230
			50	28	24.60	0.288	<b>24.74</b>	<b>0.298</b>	24.06	0.255
			50	56	24.13	0.259	24.26	0.267	23.60	0.229
		DFT-S-OFDM QPSK	100	0	24.14	0.259	24.25	0.266	23.52	0.225
			1	1	24.58	0.287	24.76	0.302	24.08	0.256
			1	53	24.56	0.286	<b>24.79</b>	<b>0.301</b>	24.22	0.264
			1	104	24.57	0.286	24.72	0.296	24.09	0.256
			50	0	23.49	0.223	23.76	0.238	22.99	0.199
			50	28	24.67	0.293	24.62	0.290	24.21	0.264
		DFT-S-OFDM 16QAM	50	56	23.50	0.224	23.67	0.233	23.09	0.204
			100	0	23.48	0.223	23.58	0.228	23.03	0.201
			1	1	23.55	0.226	<b>23.63</b>	<b>0.231</b>	23.16	0.207
			1	1	22.17	0.165	22.16	0.164	21.55	0.143
			1	1	23.16	0.207	<b>23.29</b>	<b>0.213</b>	22.63	0.183
			1	1	22.54	0.179	<b>22.76</b>	<b>0.189</b>	22.11	0.163
50	30	DFT-S-OFDM BPSK	1	1	24.59	0.288	24.13	0.259	24.11	0.258
			1	67	24.53	0.284	24.18	0.262	24.16	0.261
			1	131	<b>24.67</b>	<b>0.293</b>	24.19	0.262	24.07	0.255
			64	0	24.17	0.261	23.55	0.226	23.56	0.227
			64	35	24.55	0.285	24.10	0.257	24.04	0.254
			64	69	24.00	0.251	23.57	0.228	23.66	0.232
		DFT-S-OFDM QPSK	128	0	24.18	0.262	23.67	0.233	23.58	0.228
			1	1	24.53	0.284	24.05	0.254	24.02	0.252
			1	67	24.49	0.281	24.18	0.262	24.03	0.253
			1	131	<b>24.66</b>	<b>0.292</b>	24.10	0.257	24.16	0.261
			64	0	23.57	0.228	23.21	0.209	23.00	0.200
			64	35	24.65	0.292	24.17	0.261	24.07	0.255
		DFT-S-OFDM 16QAM	64	69	23.65	0.232	23.14	0.206	23.24	0.211
			128	0	23.69	0.234	23.01	0.200	22.96	0.198
			1	1	<b>23.49</b>	<b>0.223</b>	23.14	0.206	23.05	0.202
			1	1	22.12	0.163	21.68	0.147	21.60	0.145
			1	1	<b>23.10</b>	<b>0.204</b>	22.53	0.179	22.70	0.186
			1	1	<b>22.69</b>	<b>0.186</b>	22.16	0.164	22.02	0.159
CP-OFDM 64QAM	1	1	21.17	0.131	21.17	0.131	20.61	0.115		
	1	1	21.17	0.131	21.17	0.131	20.61	0.115		

NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648668 (3 730.02 MHz)		656000 (3 840.00 MHz)		663332 (3 949.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	24.68	0.294	24.33	0.271	24.65	0.292
			1	81	24.60	0.288	24.25	0.266	24.67	0.293
			1	160	24.62	0.290	24.42	0.277	<b>24.73</b>	<b>0.297</b>
			81	0	24.12	0.258	23.75	0.237	24.18	0.262
			81	41	24.64	0.291	24.23	0.265	24.68	0.294
			81	81	24.09	0.256	23.83	0.242	24.22	0.264
		162	0	24.26	0.267	23.81	0.240	24.12	0.258	
		1	1	<b>24.76</b>	<b>0.299</b>	24.34	0.272	24.60	0.288	
		1	81	24.72	0.296	24.37	0.274	24.63	0.290	
		1	160	24.58	0.287	24.25	0.266	24.62	0.290	
		81	0	23.69	0.234	23.21	0.209	23.77	0.238	
		81	41	24.73	0.297	24.37	0.274	24.62	0.290	
		81	81	23.62	0.230	23.18	0.208	23.78	0.239	
		162	0	23.59	0.229	23.43	0.220	23.50	0.224	
		DFT-S-OFDM 16QAM	1	1	<b>23.62</b>	<b>0.230</b>	23.39	0.218	23.60	0.229
		DFT-S-OFDM 64QAM	1	1	22.15	0.164	21.84	0.153	22.12	0.163
		CP-OFDM QPSK	1	1	<b>23.17</b>	<b>0.207</b>	22.86	0.193	23.16	0.207
		CP-OFDM 16QAM	1	1	<b>22.75</b>	<b>0.188</b>	22.25	0.168	22.65	0.184
CP-OFDM 64QAM	1	1	21.15	0.130	20.83	0.121	21.12	0.129		
NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649000 (3 735.00 MHz)		656000 (3 840.00 MHz)		663000 (3 945.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	24.59	0.288	24.39	0.275	24.67	0.293
			1	95	24.61	0.289	24.33	0.271	24.66	0.292
			1	187	24.49	0.281	24.37	0.274	24.57	0.286
			90	0	24.18	0.262	23.98	0.250	24.07	0.255
			90	50	24.67	0.293	24.47	0.280	<b>24.73</b>	<b>0.297</b>
			90	99	24.06	0.255	23.83	0.242	24.13	0.259
		180	0	24.18	0.262	23.95	0.248	24.12	0.258	
		1	1	24.62	0.290	24.40	0.275	<b>24.76</b>	<b>0.299</b>	
		1	95	24.52	0.283	24.45	0.279	24.62	0.290	
		1	187	24.54	0.284	24.45	0.279	24.67	0.293	
		90	0	23.63	0.231	23.31	0.214	23.56	0.227	
		90	50	24.51	0.282	24.42	0.277	24.70	0.295	
		90	99	23.65	0.232	23.32	0.215	23.64	0.231	
		180	0	23.49	0.223	23.36	0.217	23.71	0.235	
		DFT-S-OFDM 16QAM	1	1	23.61	0.230	23.49	0.223	<b>23.73</b>	<b>0.236</b>
		DFT-S-OFDM 64QAM	1	1	22.07	0.161	21.99	0.158	22.24	0.167
		CP-OFDM QPSK	1	1	23.08	0.203	22.93	0.196	<b>23.10</b>	<b>0.204</b>
		CP-OFDM 16QAM	1	1	<b>22.66</b>	<b>0.185</b>	22.32	0.171	22.63	0.183
CP-OFDM 64QAM	1	1	21.15	0.130	20.86	0.122	21.27	0.134		

NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649334 (3 740.01 MHz)		656000 (3 840.00 MHz)		662666 (3 939.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	24.64	0.291	24.18	0.262	24.03	0.253
			1	109	24.59	0.288	24.23	0.265	24.06	0.255
			1	215	24.70	0.295	24.26	0.267	24.09	0.256
			108	0	24.17	0.261	23.62	0.230	23.44	0.221
			108	55	<b>24.72</b>	<b>0.296</b>	24.26	0.267	24.04	0.254
			108	109	24.13	0.259	23.65	0.232	23.59	0.229
		216	0	24.24	0.265	23.67	0.233	23.44	0.221	
		DFT-S-OFDM QPSK	1	1	24.61	0.289	24.19	0.262	23.97	0.249
			1	109	24.66	0.292	24.20	0.263	24.06	0.255
			1	215	<b>24.80</b>	<b>0.302</b>	24.26	0.267	24.04	0.254
			108	0	23.60	0.229	23.26	0.212	22.95	0.197
			108	55	24.72	0.296	24.09	0.256	24.09	0.256
			108	109	23.53	0.225	23.27	0.212	23.15	0.207
		216	0	23.77	0.238	23.22	0.210	23.00	0.200	
		DFT-S-OFDM 16QAM	1	1	<b>23.66</b>	<b>0.232</b>	23.28	0.213	23.05	0.202
		DFT-S-OFDM 64QAM	1	1	22.24	0.167	21.62	0.145	21.49	0.141
		CP-OFDM QPSK	1	1	<b>23.04</b>	<b>0.201</b>	22.77	0.189	22.58	0.181
		CP-OFDM 16QAM	1	1	<b>22.57</b>	<b>0.181</b>	22.25	0.168	22.01	0.159
CP-OFDM 64QAM	1	1	21.19	0.132	20.61	0.115	20.61	0.115		
NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649668 (3 745.02 MHz)		656000 (3 840.00 MHz)		662332 (3 934.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	24.59	0.288	24.10	0.257	24.40	0.275
			1	123	24.49	0.281	24.17	0.261	24.41	0.276
			1	243	24.64	0.291	24.04	0.254	24.33	0.271
			120	0	24.11	0.258	23.61	0.230	23.91	0.246
			120	63	<b>24.68</b>	<b>0.294</b>	24.17	0.261	24.45	0.279
			120	125	24.01	0.252	23.56	0.227	23.96	0.249
		243	0	24.00	0.251	23.51	0.224	23.80	0.240	
		DFT-S-OFDM QPSK	1	1	24.60	0.288	24.10	0.257	24.49	0.281
			1	137	24.62	0.290	24.19	0.262	24.48	0.281
			1	271	24.63	0.290	24.17	0.261	24.35	0.272
			135	0	23.55	0.226	23.05	0.202	23.26	0.212
			135	69	<b>24.66</b>	<b>0.292</b>	24.18	0.262	24.42	0.277
			135	138	23.60	0.229	23.15	0.207	23.52	0.225
		270	0	23.48	0.223	23.20	0.209	23.51	0.224	
		DFT-S-OFDM 16QAM	1	1	<b>23.63</b>	<b>0.231</b>	23.00	0.200	23.36	0.217
		DFT-S-OFDM 64QAM	1	1	22.18	0.165	21.55	0.143	21.90	0.155
		CP-OFDM QPSK	1	1	<b>22.99</b>	<b>0.199</b>	22.58	0.181	22.95	0.197
		CP-OFDM 16QAM	1	1	<b>22.64</b>	<b>0.184</b>	22.11	0.163	22.35	0.172
CP-OFDM 64QAM	1	1	21.16	0.131	20.57	0.114	20.93	0.124		



NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					650000 (3 750.00 MHz)		656000 (3 840.00 MHz)		662000 (3 930.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	DFT-S-OFDM BPSK	1	1	24.62	0.290	24.15	0.260	24.39	0.275
			1	137	24.60	0.288	24.17	0.261	24.49	0.281
			1	271	24.58	0.287	24.25	0.266	24.44	0.278
			135	0	24.04	0.254	23.63	0.231	23.83	0.242
			135	69	<b>24.68</b>	<b>0.294</b>	24.05	0.254	24.29	0.269
			135	138	24.16	0.261	23.73	0.236	23.92	0.247
		270	0	24.20	0.263	23.72	0.236	23.86	0.243	
		DFT-S-OFDM QPSK	1	1	24.55	0.285	24.22	0.264	24.39	0.275
			1	137	<b>24.65</b>	<b>0.292</b>	24.24	0.265	24.31	0.270
			1	271	24.53	0.284	24.24	0.265	24.43	0.277
			135	0	23.64	0.231	23.06	0.202	23.42	0.220
			135	69	24.59	0.288	24.12	0.258	24.37	0.274
			135	138	23.58	0.228	23.15	0.207	23.32	0.215
		270	0	23.70	0.234	23.19	0.208	23.46	0.222	
		DFT-S-OFDM 16QAM	1	1	<b>23.67</b>	<b>0.233</b>	23.07	0.203	23.41	0.219
		DFT-S-OFDM 64QAM	1	1	22.05	0.160	21.68	0.147	21.92	0.156
		CP-OFDM QPSK	1	1	<b>23.12</b>	<b>0.205</b>	22.72	0.187	22.79	0.190
		CP-OFDM 16QAM	1	1	<b>22.69</b>	<b>0.186</b>	22.19	0.166	22.41	0.174
CP-OFDM 64QAM	1	1	21.16	0.131	20.56	0.114	20.93	0.124		

**MIMO**

**Low Band (3 450 ~ 3 550 MHz)**

NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					630668 (3 460.02 MHz)		633340 (3 500.01 MHz)		636000 (3 540.00 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	CP-OFDM QPSK	1	1	<b>25.94</b>	<b>0.393</b>	25.05	0.320	24.82	0.303
			1	26	25.08	0.322	25.78	0.378	25.72	0.373
			1	49	25.17	0.329	25.92	0.391	25.94	0.393
			50	0	24.97	0.314	24.99	0.316	25.05	0.320
		CP-OFDM 16QAM	1	1	24.50	0.282	24.32	0.270	<b>24.60</b>	<b>0.288</b>
		CP-OFDM 64QAM	1	1	24.40	0.275	24.44	0.278	24.54	0.284
NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631000 (3 465.00 MHz)		633340 (3 500.01 MHz)		635666 (3 534.99 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	CP-OFDM QPSK	1	1	25.03	0.318	25.72	0.373	25.50	0.355
			1	39	25.50	0.355	25.66	0.368	25.73	0.374
			1	76	25.72	0.373	<b>25.80</b>	<b>0.380</b>	24.85	0.305
			75	0	24.89	0.308	25.00	0.316	24.99	0.316
		CP-OFDM 16QAM	1	1	24.16	0.261	24.24	0.265	<b>24.68</b>	<b>0.294</b>
		CP-OFDM 64QAM	1	1	24.50	0.282	24.55	0.285	24.49	0.281
NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631334 (3 470.01 MHz)		633340 (3 500.01 MHz)		635332 (3 529.98 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	CP-OFDM QPSK	1	1	25.14	0.327	25.31	0.340	24.98	0.315
			1	53	25.73	0.374	25.43	0.349	<b>25.92</b>	<b>0.391</b>
			1	104	24.86	0.306	25.80	0.380	24.53	0.284
			100	0	24.95	0.313	24.93	0.311	25.01	0.317
		CP-OFDM 16QAM	1	1	24.48	0.281	24.36	0.273	<b>24.55</b>	<b>0.285</b>
		CP-OFDM 64QAM	1	1	24.37	0.274	24.41	0.276	24.50	0.282

NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631668 (3 475.02 MHz)		633340 (3 500.01 MHz)		635000 (3 525.00 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	CP-OFDM QPSK	1	1	25.71	0.372	24.81	0.303	24.70	0.295
			1	67	24.91	0.310	25.65	0.367	<b>25.92</b>	<b>0.391</b>
			1	131	23.66	0.232	25.80	0.380	24.58	0.287
			128	0	24.79	0.301	24.80	0.302	24.88	0.308
		CP-OFDM 16QAM	1	1	24.32	0.270	24.21	0.264	<b>24.44</b>	<b>0.278</b>
CP-OFDM 64QAM	1	1	24.30	0.269	24.40	0.275	24.34	0.272		
NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632000 (3 480.00 MHz)		633340 (3 500.01 MHz)		634666 (3 519.99 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	CP-OFDM QPSK	1	1	25.18	0.330	25.63	0.366	25.60	0.363
			1	81	25.12	0.325	24.89	0.308	25.21	0.332
			1	160	25.50	0.355	<b>25.93</b>	<b>0.392</b>	24.98	0.315
			162	0	25.44	0.350	25.39	0.346	25.44	0.350
		CP-OFDM 16QAM	1	1	24.78	0.301	<b>25.60</b>	<b>0.363</b>	24.92	0.310
CP-OFDM 64QAM	1	1	24.88	0.308	24.78	0.301	25.10	0.324		
NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632334 (3 485.01 MHz)		633340 (3 500.01 MHz)		634332 (3 514.98 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	CP-OFDM QPSK	1	1	25.65	0.367	25.66	0.368	25.88	0.387
			1	95	25.63	0.366	<b>25.89</b>	<b>0.388</b>	25.60	0.363
			1	187	25.44	0.350	25.11	0.324	25.19	0.330
			180	0	25.26	0.336	25.16	0.328	25.33	0.341
		CP-OFDM 16QAM	1	1	24.99	0.316	<b>25.10</b>	<b>0.324</b>	24.91	0.310
CP-OFDM 64QAM	1	1	24.90	0.309	24.98	0.315	24.89	0.308		
NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632668 (3 490.02 MHz)		633340 (3 500.01 MHz)		634000 (3 510.00 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	CP-OFDM QPSK	1	1	24.96	0.313	24.61	0.289	25.80	0.380
			1	109	25.02	0.318	25.14	0.327	<b>25.92</b>	<b>0.391</b>
			1	215	25.31	0.340	25.80	0.380	25.13	0.326
			216	0	24.89	0.308	24.90	0.309	24.94	0.312
		CP-OFDM 16QAM	1	1	<b>24.65</b>	<b>0.292</b>	23.55	0.226	24.42	0.277
CP-OFDM 64QAM	1	1	24.53	0.284	24.61	0.289	24.45	0.279		

NR Band 77/78-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633000 (3 495.00 MHz)		633340 (3 500.01 MHz)		633666 (3 504.99 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	CP-OFDM QPSK	1	1	24.57	0.286	24.89	0.308	25.33	0.341
			1	123	25.80	0.380	<b>25.96</b>	<b>0.394</b>	25.92	0.391
			1	243	24.99	0.316	25.80	0.380	25.37	0.344
			243	0	24.89	0.308	24.93	0.311	24.95	0.313
		CP-OFDM 16QAM	1	1	24.53	0.284	24.58	0.287	<b>25.14</b>	<b>0.327</b>
		CP-OFDM 64QAM	1	1	24.65	0.292	24.44	0.278	24.51	0.282
		NR Band 77/78-Low Band								
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633340 (3 500.01 MHz)					
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	CP-OFDM QPSK	1	1	-	-	25.16	0.328	-	-
			1	137	-	-	24.88	0.308	-	-
			1	271	-	-	<b>25.95</b>	<b>0.394</b>	-	-
			270	0	-	-	25.41	0.348	-	-
		CP-OFDM 16QAM	1	1	-	-	<b>25.23</b>	<b>0.333</b>	-	-
		CP-OFDM 64QAM	1	1	-	-	25.16	0.328	-	-

**High Band (3 700 ~ 3 980 MHz)**

NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647334 (3 710.01 MHz)		656000 (3 840.00 MHz)		664666 (3 969.99 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	CP-OFDM QPSK	1	1	24.14	0.259	25.80	0.380	<b>25.95</b>	<b>0.394</b>
			1	26	24.33	0.271	25.73	0.374	25.86	0.385
			1	49	25.18	0.330	25.69	0.371	25.67	0.369
			50	0	25.56	0.360	25.70	0.372	25.69	0.371
		CP-OFDM 16QAM	1	1	24.78	0.301	24.45	0.279	<b>25.11</b>	<b>0.324</b>
		CP-OFDM 64QAM	1	1	25.08	0.322	24.91	0.310	25.01	0.317
NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647668 (3 715.02 MHz)		656000 (3 840.00 MHz)		664332 (3 964.98 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	CP-OFDM QPSK	1	1	25.44	0.350	25.83	0.383	25.19	0.330
			1	39	24.65	0.292	25.81	0.381	25.87	0.386
			1	76	24.66	0.292	<b>25.93</b>	<b>0.392</b>	24.90	0.309
			75	0	25.51	0.356	25.73	0.374	25.65	0.367
		CP-OFDM 16QAM	1	1	24.63	0.290	<b>25.26</b>	<b>0.336</b>	24.71	0.296
		CP-OFDM 64QAM	1	1	24.97	0.314	24.88	0.308	25.13	0.326
NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648000 (3 720.00 MHz)		656000 (3 840.00 MHz)		664000 (3 960.00 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	CP-OFDM QPSK	1	1	24.54	0.284	24.87	0.307	25.85	0.385
			1	53	25.80	0.380	25.90	0.389	25.81	0.381
			1	104	25.78	0.378	<b>25.92</b>	<b>0.391</b>	25.11	0.324
			100	0	25.50	0.355	25.77	0.378	25.74	0.375
		CP-OFDM 16QAM	1	1	25.15	0.327	24.94	0.312	<b>25.21</b>	<b>0.332</b>
		CP-OFDM 64QAM	1	1	25.06	0.321	25.19	0.330	25.04	0.319

NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648334 (3 725.01 MHz)		656000 (3 840.00 MHz)		663666 (3 954.99 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	CP-OFDM QPSK	1	1	24.79	0.301	25.90	0.389	<b>25.93</b>	<b>0.392</b>
			1	67	25.44	0.350	25.91	0.390	25.80	0.380
			1	131	25.41	0.348	25.84	0.384	25.51	0.356
			128	0	25.43	0.349	25.67	0.369	25.56	0.360
		CP-OFDM 16QAM	1	1	24.83	0.304	<b>24.95</b>	<b>0.313</b>	24.79	0.301
CP-OFDM 64QAM	1	1	24.86	0.306	24.90	0.309	24.91	0.310		
NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648668 (3 730.02 MHz)		656000 (3 840.00 MHz)		663332 (3 949.98 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	CP-OFDM QPSK	1	1	24.84	0.305	25.89	0.388	25.13	0.326
			1	81	25.89	0.388	<b>25.97</b>	<b>0.395</b>	25.35	0.343
			1	160	24.54	0.284	25.57	0.361	25.11	0.324
			162	0	25.46	0.352	25.73	0.374	25.75	0.376
		CP-OFDM 16QAM	1	1	24.64	0.291	24.88	0.308	<b>25.22</b>	<b>0.333</b>
CP-OFDM 64QAM	1	1	24.97	0.314	24.90	0.309	24.90	0.309		
NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649000 (3 735.00 MHz)		656000 (3 840.00 MHz)		663000 (3 945.00 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	CP-OFDM QPSK	1	1	25.16	0.328	25.55	0.359	25.16	0.328
			1	95	<b>25.88</b>	<b>0.387</b>	25.85	0.385	25.55	0.359
			1	187	25.49	0.354	25.16	0.328	25.19	0.330
			180	0	25.13	0.326	25.01	0.317	25.49	0.354
		CP-OFDM 16QAM	1	1	24.89	0.308	24.87	0.307	<b>25.01</b>	<b>0.317</b>
CP-OFDM 64QAM	1	1	24.88	0.308	24.95	0.313	25.00	0.316		
NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649334 (3 740.01 MHz)		656000 (3 840.00 MHz)		662666 (3 939.99 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	CP-OFDM QPSK	1	1	25.00	0.316	25.68	0.370	25.59	0.362
			1	109	25.91	0.390	<b>25.95</b>	<b>0.394</b>	25.47	0.352
			1	215	25.73	0.374	25.41	0.348	25.10	0.324
			216	0	25.42	0.348	25.73	0.374	25.77	0.378
		CP-OFDM 16QAM	1	1	<b>25.04</b>	<b>0.319</b>	24.68	0.294	24.86	0.306
CP-OFDM 64QAM	1	1	24.98	0.315	24.82	0.303	24.94	0.312		

NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649668 (3 745.02 MHz)		656000 (3 840.00 MHz)		662332 (3 934.98 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	CP-OFDM QPSK	1	1	25.74	0.375	25.75	0.376	25.84	0.384
			1	123	<b>25.96</b>	<b>0.394</b>	24.98	0.315	25.50	0.355
			1	243	25.85	0.385	25.93	0.392	25.18	0.330
			243	0	25.42	0.348	25.72	0.373	25.74	0.375
		CP-OFDM 16QAM	1	1	24.92	0.310	24.81	0.303	<b>24.93</b>	<b>0.311</b>
		CP-OFDM 64QAM	1	1	24.78	0.301	24.84	0.305	24.81	0.303
NR Band 77/78-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					650000 (3 750.00 MHz)		656000 (3 840.00 MHz)		662000 (3 930.00 MHz)	
					Port 1 + Port 2					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	CP-OFDM QPSK	1	1	24.93	0.311	25.80	0.380	<b>25.95</b>	<b>0.394</b>
			1	137	25.67	0.369	25.95	0.394	25.83	0.383
			1	271	25.30	0.339	25.56	0.360	25.53	0.357
			270	0	25.37	0.344	25.72	0.373	25.80	0.380
		CP-OFDM 16QAM	1	1	24.74	0.298	24.75	0.299	<b>24.96</b>	<b>0.313</b>
		CP-OFDM 64QAM	1	1	24.80	0.302	24.83	0.304	24.89	0.308

**ENDC**

**Low Band (3 450 ~ 3 550 MHz)**

7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					630668 (3 460.02 MHz)		633340 (3 500.01 MHz)		636000 (3 540.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	23.93	0.247	23.42	0.220	23.41	0.219
			1	26	23.32	0.215	23.76	0.238	23.54	0.226
			1	49	23.45	0.221	23.97	0.249	23.46	0.222
		DFT-S-OFDM QPSK	1	1	23.75	0.237	23.29	0.213	23.74	0.237
			1	26	23.34	0.216	23.49	0.223	23.31	0.214
			1	49	23.96	0.249	23.77	0.238	<b>24.02</b>	<b>0.252</b>
7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631000 (3 465.00 MHz)		633340 (3 500.01 MHz)		635666 (3 534.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	23.99	0.251	23.78	0.239	24.17	0.261
			1	39	23.82	0.241	23.58	0.228	23.65	0.232
			1	76	24.25	0.266	24.02	0.252	24.10	0.257
		DFT-S-OFDM QPSK	1	1	<b>24.28</b>	<b>0.268</b>	23.94	0.248	23.90	0.245
			1	39	23.50	0.224	23.94	0.248	23.60	0.229
			1	76	23.82	0.241	24.25	0.266	24.06	0.255
7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631334 (3 470.01 MHz)		633340 (3 500.01 MHz)		635332 (3 529.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	<b>24.26</b>	<b>0.267</b>	23.55	0.226	23.79	0.239
			1	53	23.87	0.244	23.93	0.247	24.21	0.264
			1	104	23.93	0.247	23.58	0.228	23.64	0.231
		DFT-S-OFDM QPSK	1	1	24.03	0.253	23.61	0.230	23.51	0.224
			1	53	24.13	0.259	23.65	0.232	23.77	0.238
			1	104	23.59	0.229	23.68	0.233	24.03	0.253
7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631668 (3 475.02 MHz)		633340 (3 500.01 MHz)		635000 (3 525.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	23.66	0.232	23.56	0.227	23.70	0.234
			1	67	23.66	0.232	<b>24.62</b>	<b>0.290</b>	23.73	0.236
			1	131	23.54	0.226	24.62	0.290	23.80	0.240
		DFT-S-OFDM QPSK	1	1	24.00	0.251	23.53	0.225	23.67	0.233
			1	67	23.31	0.214	24.50	0.282	23.80	0.240
			1	131	23.51	0.224	24.57	0.286	23.82	0.241
7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632000 (3 480.00 MHz)		633340 (3 500.01 MHz)		634666 (3 519.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	23.63	0.231	23.92	0.247	24.12	0.258
			1	81	23.73	0.236	<b>24.83</b>	<b>0.304</b>	24.83	0.304
			1	160	23.68	0.233	24.60	0.288	24.72	0.296
		DFT-S-OFDM QPSK	1	1	23.72	0.236	23.88	0.244	24.08	0.256
			1	81	24.25	0.266	24.77	0.300	24.75	0.299
			1	160	23.71	0.235	24.55	0.285	24.62	0.290



7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632334 (3 485.01 MHz)		633340 (3 500.01 MHz)		634332 (3 514.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	24.08	0.256	23.41	0.219	23.91	0.246
			1	95	24.23	0.265	24.15	0.260	23.83	0.242
			1	187	24.31	0.270	23.86	0.243	24.23	0.265
		DFT-S-OFDM QPSK	1	1	23.77	0.238	23.71	0.235	23.83	0.242
			1	95	24.19	0.262	23.69	0.234	24.00	0.251
			1	187	<b>24.33</b>	<b>0.271</b>	24.05	0.254	24.21	0.264
7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632668 (3 490.02 MHz)		633340 (3 500.01 MHz)		634000 (3 510.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	23.69	0.234	24.08	0.256	24.32	0.270
			1	109	23.59	0.229	24.03	0.253	24.21	0.264
			1	215	23.61	0.230	23.85	0.243	23.88	0.244
		DFT-S-OFDM QPSK	1	1	23.83	0.242	24.03	0.253	23.87	0.244
			1	109	23.50	0.224	24.20	0.263	24.29	0.269
			1	215	24.13	0.259	24.47	0.280	<b>24.53</b>	<b>0.284</b>
7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633000 (3 495.00 MHz)		633340 (3 500.01 MHz)		633666 (3 504.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	24.31	0.270	24.20	0.263	24.11	0.258
			1	123	24.15	0.260	23.73	0.236	23.71	0.235
			1	243	23.93	0.247	23.81	0.240	23.59	0.229
		DFT-S-OFDM QPSK	1	1	24.31	0.270	24.19	0.262	23.87	0.244
			1	123	23.95	0.248	23.70	0.234	24.24	0.265
			1	243	<b>24.36</b>	<b>0.273</b>	23.73	0.236	23.88	0.244
7A-n77A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633340 (3 500.01 MHz)					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	DFT-S-OFDM BPSK	1	1	-	-	<b>24.46</b>	<b>0.279</b>	-	-
			1	137	-	-	24.46	0.279	-	-
			1	271	-	-	24.31	0.270	-	-
		DFT-S-OFDM QPSK	1	1	-	-	24.34	0.272	-	-
			1	137	-	-	24.13	0.259	-	-
			1	271	-	-	24.30	0.269	-	-

**High Band (3 700 ~ 3 980 MHz)**

7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647334 (3 710.01 MHz)		656000 (3 840.00 MHz)		664666 (3 969.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	23.71	0.235	<b>24.81</b>	<b>0.303</b>	23.96	0.249
			1	26	23.98	0.250	24.70	0.295	23.92	0.247
			1	49	24.61	0.289	24.48	0.281	24.32	0.270
		DFT-S-OFDM QPSK	1	1	23.73	0.236	24.71	0.296	24.08	0.256
			1	26	23.93	0.247	24.65	0.292	24.15	0.260
			1	49	24.54	0.284	24.52	0.283	23.91	0.246
7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647668 (3 715.02 MHz)		656000 (3 840.00 MHz)		664332 (3 964.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	23.64	0.231	24.53	0.284	23.59	0.229
			1	39	24.29	0.269	<b>24.80</b>	<b>0.302</b>	24.01	0.252
			1	76	24.75	0.299	24.37	0.274	24.07	0.255
		DFT-S-OFDM QPSK	1	1	23.62	0.230	24.50	0.282	23.54	0.226
			1	39	24.26	0.267	24.77	0.300	23.93	0.247
			1	76	24.75	0.299	24.36	0.273	24.37	0.274
7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648000 (3 720.00 MHz)		656000 (3 840.00 MHz)		664000 (3 960.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	23.89	0.245	24.22	0.264	24.02	0.252
			1	53	24.72	0.296	24.82	0.303	23.75	0.237
			1	104	24.45	0.279	24.28	0.268	<b>25.07</b>	<b>0.321</b>
		DFT-S-OFDM QPSK	1	1	23.86	0.243	24.22	0.264	23.99	0.251
			1	53	24.67	0.293	24.76	0.299	23.74	0.237
			1	104	24.42	0.277	24.22	0.264	25.04	0.319
7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648334 (3 725.01 MHz)		656000 (3 840.00 MHz)		663666 (3 954.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	23.61	0.230	23.60	0.229	<b>24.86</b>	<b>0.306</b>
			1	67	24.73	0.297	24.74	0.298	23.58	0.228
			1	131	23.36	0.217	24.22	0.264	24.82	0.303
		DFT-S-OFDM QPSK	1	1	23.57	0.228	23.59	0.229	24.80	0.302
			1	67	24.66	0.292	24.69	0.294	23.56	0.227
			1	131	23.32	0.215	24.20	0.263	24.76	0.299
7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648668 (3 730.02 MHz)		656000 (3 840.00 MHz)		663332 (3 949.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	24.97	0.314	23.93	0.247	24.17	0.261
			1	81	23.74	0.237	24.83	0.304	24.88	0.308
			1	160	24.75	0.299	24.65	0.292	24.69	0.294
		DFT-S-OFDM QPSK	1	1	24.96	0.313	23.83	0.242	24.08	0.256
			1	81	23.65	0.232	24.76	0.299	24.80	0.302
			1	160	<b>24.98</b>	<b>0.315</b>	24.60	0.288	24.58	0.287

7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649000 (3 735.00 MHz)		656000 (3 840.00 MHz)		663000 (3 945.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	24.49	0.281	24.06	0.255	24.14	0.259
			1	95	24.36	0.273	24.18	0.262	24.35	0.272
			1	187	24.44	0.278	24.14	0.259	24.18	0.262
		DFT-S-OFDM QPSK	1	1	23.89	0.245	24.37	0.274	24.37	0.274
			1	95	24.52	0.283	<b>24.73</b>	<b>0.297</b>	24.09	0.256
			1	187	24.10	0.257	24.37	0.274	23.98	0.250
7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649334 (3 740.01 MHz)		656000 (3 840.00 MHz)		662666 (3 939.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	24.12	0.258	24.81	0.303	24.04	0.254
			1	109	24.19	0.262	24.79	0.301	24.57	0.286
			1	215	24.65	0.292	24.51	0.282	24.67	0.293
		DFT-S-OFDM QPSK	1	1	24.57	0.286	24.73	0.297	23.88	0.244
			1	109	24.10	0.257	24.72	0.296	<b>24.96</b>	<b>0.313</b>
			1	215	24.58	0.287	24.46	0.279	24.59	0.288
7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649668 (3 745.02 MHz)		656000 (3 840.00 MHz)		662332 (3 934.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	<b>24.88</b>	<b>0.308</b>	24.65	0.292	24.83	0.304
			1	123	24.33	0.271	24.77	0.300	24.81	0.303
			1	243	24.52	0.283	24.57	0.286	24.67	0.293
		DFT-S-OFDM QPSK	1	1	24.44	0.278	24.86	0.306	24.73	0.297
			1	123	24.30	0.269	24.71	0.296	24.58	0.287
			1	243	24.47	0.280	24.51	0.282	24.54	0.284
7A-n77A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					650000 (3 750.00 MHz)		656000 (3 840.00 MHz)		662000 (3 930.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	DFT-S-OFDM BPSK	1	1	24.31	0.270	24.22	0.264	24.07	0.255
			1	137	23.97	0.249	<b>24.97</b>	<b>0.314</b>	24.37	0.274
			1	271	24.11	0.258	24.66	0.292	23.93	0.247
		DFT-S-OFDM QPSK	1	1	24.42	0.277	24.55	0.285	24.68	0.294
			1	137	24.47	0.280	24.29	0.269	24.69	0.294
			1	271	24.34	0.272	24.82	0.303	24.33	0.271

**Low Band (3 450 ~ 3 550 MHz)**

2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					630668 (3 460.02 MHz)		633340 (3 500.01 MHz)		636000 (3 540.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	23.03	0.201	23.11	0.205	24.03	0.253
			1	26	23.00	0.200	23.24	0.211	24.04	0.254
			1	49	23.29	0.213	23.47	0.222	<b>24.23</b>	<b>0.265</b>
		DFT-S-OFDM QPSK	1	1	23.01	0.200	23.05	0.202	23.97	0.249
			1	26	23.06	0.202	23.20	0.209	23.98	0.250
			1	49	23.27	0.212	23.42	0.220	24.18	0.262
2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631000 (3 465.00 MHz)		633340 (3 500.01 MHz)		635666 (3 534.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	23.41	0.219	23.14	0.206	23.54	0.226
			1	39	23.27	0.212	23.37	0.217	23.07	0.203
			1	76	23.04	0.201	23.54	0.226	<b>23.61</b>	<b>0.230</b>
		DFT-S-OFDM QPSK	1	1	23.47	0.222	23.07	0.203	23.26	0.212
			1	39	23.42	0.220	23.30	0.214	23.44	0.221
			1	76	23.48	0.223	23.47	0.222	22.99	0.199
2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631334 (3 470.01 MHz)		633340 (3 500.01 MHz)		635332 (3 529.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	23.11	0.205	23.54	0.226	23.64	0.231
			1	53	23.34	0.216	24.51	0.282	23.00	0.200
			1	104	23.19	0.208	24.25	0.266	<b>23.76</b>	<b>0.238</b>
		DFT-S-OFDM QPSK	1	1	23.07	0.203	23.49	0.223	23.61	0.230
			1	53	23.28	0.213	24.45	0.279	23.02	0.200
			1	104	23.14	0.206	24.19	0.262	23.72	0.236
2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631668 (3 475.02 MHz)		633340 (3 500.01 MHz)		635000 (3 525.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	23.08	0.203	23.23	0.210	23.24	0.211
			1	67	23.09	0.204	23.21	0.209	23.07	0.203
			1	131	23.06	0.202	23.10	0.204	<b>23.45</b>	<b>0.221</b>
		DFT-S-OFDM QPSK	1	1	22.83	0.192	23.17	0.207	23.21	0.209
			1	67	23.05	0.202	23.14	0.206	23.07	0.203
			1	131	23.03	0.201	22.92	0.196	23.40	0.219
2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632000 (3 480.00 MHz)		633340 (3 500.01 MHz)		634666 (3 519.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	23.08	0.203	23.81	0.240	23.17	0.207
			1	81	23.38	0.218	<b>24.51</b>	<b>0.282</b>	23.23	0.210
			1	160	23.57	0.228	24.19	0.262	23.71	0.235
		DFT-S-OFDM QPSK	1	1	23.00	0.200	23.76	0.238	23.11	0.205
			1	81	23.25	0.211	24.45	0.279	23.16	0.207
			1	160	23.45	0.221	24.14	0.259	23.65	0.232

2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632334 (3 485.01 MHz)		633340 (3 500.01 MHz)		634332 (3 514.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	23.50	0.224	23.12	0.205	23.63	0.231
			1	95	23.50	0.224	23.30	0.214	23.30	0.214
			1	187	23.72	0.236	23.31	0.214	23.35	0.216
		DFT-S-OFDM QPSK	1	1	23.32	0.215	23.74	0.237	23.38	0.218
			1	95	<b>23.86</b>	<b>0.243</b>	23.63	0.231	23.68	0.233
			1	187	23.81	0.240	23.83	0.242	23.48	0.223
2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632668 (3 490.02 MHz)		633340 (3 500.01 MHz)		634000 (3 510.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	23.09	0.204	23.14	0.206	23.41	0.219
			1	109	23.10	0.204	23.35	0.216	23.55	0.226
			1	215	23.10	0.204	23.17	0.207	<b>23.70</b>	<b>0.234</b>
		DFT-S-OFDM QPSK	1	1	23.01	0.200	23.02	0.200	23.33	0.215
			1	109	23.02	0.200	23.28	0.213	23.46	0.222
			1	215	22.99	0.199	23.12	0.205	23.66	0.232
2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633000 (3 495.00 MHz)		633340 (3 500.01 MHz)		633666 (3 504.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	23.12	0.205	23.59	0.229	23.56	0.227
			1	123	23.09	0.204	<b>24.54</b>	<b>0.284</b>	23.74	0.237
			1	243	23.18	0.208	24.20	0.263	23.32	0.215
		DFT-S-OFDM QPSK	1	1	23.06	0.202	23.55	0.226	23.52	0.225
			1	123	23.01	0.200	24.48	0.281	23.68	0.233
			1	243	23.11	0.205	24.15	0.260	23.27	0.212
2A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633340 (3 500.01 MHz)					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	DFT-S-OFDM BPSK	1	1	-	-	23.27	0.212	-	-
			1	137	-	-	<b>24.54</b>	<b>0.284</b>	-	-
			1	271	-	-	24.31	0.270	-	-
		DFT-S-OFDM QPSK	1	1	-	-	23.22	0.210	-	-
			1	137	-	-	24.49	0.281	-	-
			1	271	-	-	24.27	0.267	-	-

5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					630668 (3 460.02 MHz)		633340 (3 500.01 MHz)		636000 (3 540.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	23.83	0.242	24.20	0.263	24.55	0.285
			1	26	23.82	0.241	24.80	0.302	24.54	0.284
			1	49	24.20	0.263	24.75	0.299	24.71	0.296
		DFT-S-OFDM QPSK	1	1	24.39	0.275	24.18	0.262	24.54	0.284
			1	26	23.98	0.250	24.77	0.300	24.46	0.279
			1	49	24.45	0.279	<b>25.01</b>	<b>0.317</b>	24.63	0.290
5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631000 (3 465.00 MHz)		633340 (3 500.01 MHz)		635666 (3 534.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	22.53	0.179	24.04	0.254	24.88	0.308
			1	39	23.24	0.211	24.83	0.304	24.66	0.292
			1	76	24.84	0.305	24.86	0.306	24.86	0.306
		DFT-S-OFDM QPSK	1	1	22.46	0.176	24.00	0.251	<b>24.97</b>	<b>0.314</b>
			1	39	23.16	0.207	24.79	0.301	24.56	0.286
			1	76	24.77	0.300	24.79	0.301	24.81	0.303
5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631334 (3 470.01 MHz)		633340 (3 500.01 MHz)		635332 (3 529.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	24.29	0.269	23.91	0.246	23.97	0.249
			1	53	24.47	0.280	24.84	0.305	24.17	0.261
			1	104	24.63	0.290	<b>24.96</b>	<b>0.313</b>	23.85	0.243
		DFT-S-OFDM QPSK	1	1	24.83	0.304	23.86	0.243	24.07	0.255
			1	53	24.24	0.265	24.80	0.302	23.85	0.243
			1	104	24.81	0.303	24.96	0.313	23.86	0.243
5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631668 (3 475.02 MHz)		633340 (3 500.01 MHz)		635000 (3 525.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	<b>24.96</b>	<b>0.313</b>	23.71	0.235	24.77	0.300
			1	67	23.58	0.228	24.69	0.294	24.46	0.279
			1	131	24.54	0.284	24.64	0.291	24.46	0.279
		DFT-S-OFDM QPSK	1	1	24.96	0.313	23.64	0.231	24.73	0.297
			1	67	23.55	0.226	24.66	0.292	24.42	0.277
			1	131	24.48	0.281	24.58	0.287	24.42	0.277
5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632000 (3 480.00 MHz)		633340 (3 500.01 MHz)		634666 (3 519.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	24.19	0.262	24.11	0.258	24.30	0.269
			1	81	23.87	0.244	<b>24.86</b>	<b>0.306</b>	24.86	0.306
			1	160	23.97	0.249	24.67	0.293	24.70	0.295
		DFT-S-OFDM QPSK	1	1	24.46	0.279	23.92	0.247	24.25	0.266
			1	81	24.44	0.278	24.79	0.301	24.80	0.302
			1	160	24.60	0.288	24.57	0.286	24.62	0.290

5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632334 (3 485.01 MHz)		633340 (3 500.01 MHz)		634332 (3 514.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	<b>24.39</b>	<b>0.275</b>	23.93	0.247	24.20	0.263
			1	95	23.87	0.244	23.82	0.241	23.85	0.243
			1	187	24.27	0.267	24.12	0.258	24.15	0.260
		DFT-S-OFDM QPSK	1	1	24.22	0.264	23.84	0.242	24.20	0.263
			1	95	23.90	0.245	23.64	0.231	23.98	0.250
			1	187	24.10	0.257	24.08	0.256	24.34	0.272

5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632668 (3 490.02 MHz)		633340 (3 500.01 MHz)		634000 (3 510.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	24.00	0.251	<b>24.84</b>	<b>0.305</b>	24.18	0.262
			1	109	24.71	0.296	24.78	0.301	24.47	0.280
			1	215	24.20	0.263	24.67	0.293	23.87	0.244
		DFT-S-OFDM QPSK	1	1	24.65	0.292	24.75	0.299	24.49	0.281
			1	109	24.38	0.274	24.75	0.299	24.36	0.273
			1	215	24.24	0.265	24.60	0.288	23.89	0.245

5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633000 (3 495.00 MHz)		633340 (3 500.01 MHz)		633666 (3 504.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	24.41	0.276	24.32	0.270	23.70	0.234
			1	123	23.71	0.235	23.78	0.239	24.22	0.264
			1	243	24.46	0.279	24.38	0.274	23.87	0.244
		DFT-S-OFDM QPSK	1	1	24.23	0.265	24.38	0.274	24.44	0.278
			1	123	24.49	0.281	<b>24.50</b>	<b>0.282</b>	24.39	0.275
			1	243	23.87	0.244	24.15	0.260	24.09	0.256

5A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633340 (3 500.01 MHz)					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	DFT-S-OFDM BPSK	1	1	-	-	<b>24.41</b>	<b>0.276</b>	-	-
			1	137	-	-	24.31	0.270	-	-
			1	271	-	-	23.77	0.238	-	-
		DFT-S-OFDM QPSK	1	1	-	-	23.87	0.244	-	-
			1	137	-	-	23.97	0.249	-	-
			1	271	-	-	23.96	0.249	-	-

7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					630668 (3 460.02 MHz)		633340 (3 500.01 MHz)		636000 (3 540.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	24.15	0.260	23.79	0.239	23.65	0.232
			1	26	23.55	0.226	24.22	0.264	23.77	0.238
			1	49	24.00	0.251	<b>24.25</b>	<b>0.266</b>	23.60	0.229
		DFT-S-OFDM QPSK	1	1	23.86	0.243	23.81	0.240	23.83	0.242
			1	26	23.60	0.229	23.90	0.245	23.71	0.235
			1	49	24.03	0.253	23.95	0.248	23.68	0.233
7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631000 (3 465.00 MHz)		633340 (3 500.01 MHz)		635666 (3 534.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	<b>24.29</b>	<b>0.269</b>	23.88	0.244	23.95	0.248
			1	39	23.93	0.247	23.65	0.232	23.57	0.228
			1	76	24.16	0.261	24.04	0.254	23.85	0.243
		DFT-S-OFDM QPSK	1	1	24.16	0.261	24.12	0.258	23.93	0.247
			1	39	23.95	0.248	23.72	0.236	23.56	0.227
			1	76	23.70	0.234	23.76	0.238	23.69	0.234
7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631334 (3 470.01 MHz)		633340 (3 500.01 MHz)		635332 (3 529.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	<b>24.30</b>	<b>0.269</b>	23.56	0.227	23.70	0.234
			1	53	24.14	0.259	23.82	0.241	23.96	0.249
			1	104	24.00	0.251	24.12	0.258	23.67	0.233
		DFT-S-OFDM QPSK	1	1	23.58	0.228	23.89	0.245	23.58	0.228
			1	53	23.96	0.249	23.93	0.247	24.26	0.267
			1	104	23.77	0.238	24.28	0.268	23.52	0.225
7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631668 (3 475.02 MHz)		633340 (3 500.01 MHz)		635000 (3 525.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	23.82	0.241	24.18	0.262	23.69	0.234
			1	67	24.25	0.266	24.06	0.255	23.83	0.242
			1	131	<b>24.29</b>	<b>0.269</b>	24.26	0.267	24.12	0.258
		DFT-S-OFDM QPSK	1	1	23.77	0.238	23.53	0.225	24.16	0.261
			1	67	24.21	0.264	23.80	0.240	23.53	0.225
			1	131	24.17	0.261	24.17	0.261	24.16	0.261
7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632000 (3 480.00 MHz)		633340 (3 500.01 MHz)		634666 (3 519.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	<b>24.27</b>	<b>0.267</b>	24.27	0.267	23.68	0.233
			1	81	24.15	0.260	23.68	0.233	23.62	0.230
			1	160	23.54	0.226	23.72	0.236	23.67	0.233
		DFT-S-OFDM QPSK	1	1	23.70	0.234	23.72	0.236	23.62	0.230
			1	81	23.61	0.230	23.64	0.231	23.58	0.228
			1	160	23.58	0.228	24.15	0.260	24.19	0.262



7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632334 (3 485.01 MHz)		633340 (3 500.01 MHz)		634332 (3 514.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	23.67	0.233	23.76	0.238	23.85	0.243
			1	95	<b>24.25</b>	<b>0.266</b>	23.91	0.246	23.56	0.227
			1	187	23.88	0.244	23.90	0.245	23.89	0.245
		DFT-S-OFDM QPSK	1	1	23.91	0.246	24.19	0.262	24.22	0.264
			1	95	23.73	0.236	24.12	0.258	23.99	0.251
			1	187	23.71	0.235	24.17	0.261	23.86	0.243

7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632668 (3 490.02 MHz)		633340 (3 500.01 MHz)		634000 (3 510.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	24.21	0.264	23.85	0.243	<b>24.30</b>	<b>0.269</b>
			1	109	24.02	0.252	23.58	0.228	24.27	0.267
			1	215	24.01	0.252	24.17	0.261	23.72	0.236
		DFT-S-OFDM QPSK	1	1	24.24	0.265	24.24	0.265	24.28	0.268
			1	109	24.04	0.254	23.78	0.239	23.59	0.229
			1	215	23.70	0.234	23.95	0.248	23.53	0.225

7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633000 (3 495.00 MHz)		633340 (3 500.01 MHz)		633666 (3 504.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	23.69	0.234	24.22	0.264	23.65	0.232
			1	123	23.55	0.226	24.23	0.265	24.19	0.262
			1	243	23.90	0.245	23.76	0.238	23.77	0.238
		DFT-S-OFDM QPSK	1	1	24.14	0.259	23.69	0.234	24.25	0.266
			1	123	23.69	0.234	24.12	0.258	23.82	0.241
			1	243	23.58	0.228	24.10	0.257	<b>24.29</b>	<b>0.269</b>

7A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633340 (3 500.01 MHz)					
							(dB m)	(W)		
100	30	DFT-S-OFDM BPSK	1	1	-	-	24.11	0.258	-	-
			1	137	-	-	<b>24.24</b>	<b>0.265</b>	-	-
			1	271	-	-	23.93	0.247	-	-
		DFT-S-OFDM QPSK	1	1	-	-	24.08	0.256	-	-
			1	137	-	-	23.62	0.230	-	-
			1	271	-	-	23.82	0.241	-	-

12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					630668 (3 460.02 MHz)		633340 (3 500.01 MHz)		636000 (3 540.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	23.84	0.242	23.88	0.244	24.28	0.268
			1	26	24.10	0.257	24.38	0.274	23.74	0.237
			1	49	24.46	0.279	<b>24.47</b>	<b>0.280</b>	24.34	0.272
		DFT-S-OFDM QPSK	1	1	24.17	0.261	24.35	0.272	24.21	0.264
			1	26	23.74	0.237	23.84	0.242	24.23	0.265
			1	49	24.09	0.256	24.21	0.264	24.26	0.267
12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631000 (3 465.00 MHz)		633340 (3 500.01 MHz)		635666 (3 534.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	24.05	0.254	24.31	0.270	23.80	0.240
			1	39	24.24	0.265	24.38	0.274	24.11	0.258
			1	76	24.46	0.279	<b>24.50</b>	<b>0.282</b>	24.32	0.270
		DFT-S-OFDM QPSK	1	1	24.13	0.259	24.32	0.270	24.24	0.265
			1	39	24.13	0.259	23.78	0.239	24.45	0.279
			1	76	24.44	0.278	24.37	0.274	24.44	0.278
12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631334 (3 470.01 MHz)		633340 (3 500.01 MHz)		635332 (3 529.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	24.25	0.266	<b>24.43</b>	<b>0.277</b>	23.71	0.235
			1	53	23.77	0.238	23.72	0.236	23.84	0.242
			1	104	24.01	0.252	24.33	0.271	23.75	0.237
		DFT-S-OFDM QPSK	1	1	23.84	0.242	24.26	0.267	23.73	0.236
			1	53	23.73	0.236	23.88	0.244	23.93	0.247
			1	104	24.12	0.258	23.71	0.235	23.80	0.240
12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631668 (3 475.02 MHz)		633340 (3 500.01 MHz)		635000 (3 525.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	24.16	0.261	23.80	0.240	24.37	0.274
			1	67	23.87	0.244	23.95	0.248	23.90	0.245
			1	131	24.44	0.278	24.05	0.254	24.29	0.269
		DFT-S-OFDM QPSK	1	1	23.78	0.239	23.73	0.236	<b>24.46</b>	<b>0.279</b>
			1	67	24.20	0.263	24.35	0.272	23.91	0.246
			1	131	24.33	0.271	24.06	0.255	24.16	0.261
12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632000 (3 480.00 MHz)		633340 (3 500.01 MHz)		634666 (3 519.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	<b>24.49</b>	<b>0.281</b>	24.41	0.276	24.09	0.256
			1	81	24.06	0.255	24.22	0.264	24.48	0.281
			1	160	23.99	0.251	24.31	0.270	24.20	0.263
		DFT-S-OFDM QPSK	1	1	24.26	0.267	23.94	0.248	24.46	0.279
			1	81	24.31	0.270	24.21	0.264	23.85	0.243
			1	160	23.72	0.236	24.35	0.272	23.70	0.234

12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632334 (3 485.01 MHz)		633340 (3 500.01 MHz)		634332 (3 514.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	24.20	0.263	24.18	0.262	24.04	0.254
			1	95	24.26	0.267	24.16	0.261	24.43	0.277
			1	187	24.30	0.269	23.79	0.239	24.44	0.278
		DFT-S-OFDM QPSK	1	1	23.73	0.236	23.70	0.234	24.00	0.251
			1	95	24.35	0.272	24.42	0.277	23.98	0.250
			1	187	24.02	0.252	24.12	0.258	<b>24.50</b>	<b>0.282</b>
12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632668 (3 490.02 MHz)		633340 (3 500.01 MHz)		634000 (3 510.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	23.94	0.248	23.83	0.242	23.83	0.242
			1	109	24.00	0.251	<b>24.44</b>	<b>0.278</b>	23.77	0.238
			1	215	23.92	0.247	24.36	0.273	23.78	0.239
		DFT-S-OFDM QPSK	1	1	23.81	0.240	24.13	0.259	23.70	0.234
			1	109	24.28	0.268	23.85	0.243	23.97	0.249
			1	215	24.03	0.253	24.41	0.276	23.77	0.238
12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633000 (3 495.00 MHz)		633340 (3 500.01 MHz)		633666 (3 504.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	<b>24.36</b>	<b>0.273</b>	24.15	0.260	23.72	0.236
			1	123	23.98	0.250	23.80	0.240	24.00	0.251
			1	243	24.00	0.251	23.92	0.247	24.13	0.259
		DFT-S-OFDM QPSK	1	1	23.73	0.236	23.70	0.234	24.27	0.267
			1	123	24.00	0.251	23.94	0.248	23.98	0.250
			1	243	24.01	0.252	24.14	0.259	24.08	0.256
12A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633340 (3 500.01 MHz)					
							(dB m)	(W)		
100	30	DFT-S-OFDM BPSK	1	1	-	-	24.04	0.254	-	-
			1	137	-	-	<b>24.14</b>	<b>0.259</b>	-	-
			1	271	-	-	23.75	0.237	-	-
		DFT-S-OFDM QPSK	1	1	-	-	23.70	0.234	-	-
			1	137	-	-	23.95	0.248	-	-
			1	271	-	-	23.73	0.236	-	-

66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					630668 (3 460.02 MHz)		633340 (3 500.01 MHz)		636000 (3 540.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	24.17	0.261	24.30	0.269	24.60	0.288
			1	26	<b>24.89</b>	<b>0.308</b>	24.77	0.300	24.62	0.290
			1	49	24.29	0.269	24.18	0.262	24.75	0.299
		DFT-S-OFDM QPSK	1	1	24.13	0.259	24.28	0.268	24.57	0.286
			1	26	24.84	0.305	24.72	0.296	24.58	0.287
			1	49	24.21	0.264	24.11	0.258	24.73	0.297
66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631000 (3 465.00 MHz)		633340 (3 500.01 MHz)		635666 (3 534.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	24.59	0.288	24.10	0.257	24.08	0.256
			1	39	23.29	0.213	24.85	0.305	24.74	0.298
			1	76	<b>24.96</b>	<b>0.313</b>	24.11	0.258	24.96	0.313
		DFT-S-OFDM QPSK	1	1	24.52	0.283	24.06	0.255	24.02	0.252
			1	39	23.22	0.210	24.81	0.303	24.69	0.294
			1	76	24.88	0.308	24.08	0.256	24.88	0.308
66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631334 (3 470.01 MHz)		633340 (3 500.01 MHz)		635332 (3 529.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	24.27	0.267	24.00	0.251	24.30	0.269
			1	53	24.23	0.265	24.87	0.307	24.69	0.294
			1	104	24.25	0.266	24.11	0.258	<b>24.92</b>	<b>0.310</b>
		DFT-S-OFDM QPSK	1	1	24.23	0.265	23.95	0.248	24.27	0.267
			1	53	24.20	0.263	24.83	0.304	24.62	0.290
			1	104	24.22	0.264	24.07	0.255	24.89	0.308
66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					631668 (3 475.02 MHz)		633340 (3 500.01 MHz)		635000 (3 525.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	24.02	0.252	<b>24.78</b>	<b>0.301</b>	24.78	0.301
			1	67	23.98	0.250	24.71	0.296	24.52	0.283
			1	131	24.59	0.288	24.70	0.295	24.52	0.283
		DFT-S-OFDM QPSK	1	1	24.51	0.282	24.74	0.298	24.75	0.299
			1	67	24.65	0.292	24.68	0.294	24.45	0.279
			1	131	24.55	0.285	24.66	0.292	24.49	0.281
66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632000 (3 480.00 MHz)		633340 (3 500.01 MHz)		634666 (3 519.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	24.23	0.265	24.19	0.262	24.15	0.260
			1	81	23.87	0.244	<b>24.89</b>	<b>0.308</b>	24.79	0.301
			1	160	24.15	0.260	24.69	0.294	24.44	0.278
		DFT-S-OFDM QPSK	1	1	24.13	0.259	24.09	0.256	24.09	0.256
			1	81	23.77	0.238	24.85	0.305	24.85	0.305
			1	160	24.04	0.254	24.65	0.292	24.40	0.275

66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632334 (3 485.01 MHz)		633340 (3 500.01 MHz)		634332 (3 514.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	24.85	0.305	24.83	0.304	<b>24.97</b>	<b>0.314</b>
			1	95	24.75	0.299	24.75	0.299	24.78	0.301
			1	187	24.73	0.297	24.51	0.282	24.95	0.313
		DFT-S-OFDM QPSK	1	1	24.84	0.305	24.59	0.288	24.72	0.296
			1	95	24.82	0.303	24.50	0.282	24.86	0.306
			1	187	24.68	0.294	24.78	0.301	24.87	0.307

66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					632668 (3 490.02 MHz)		633340 (3 500.01 MHz)		634000 (3 510.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	24.87	0.307	24.89	0.308	24.23	0.265
			1	109	24.29	0.269	24.83	0.304	<b>24.97</b>	<b>0.314</b>
			1	215	24.82	0.303	24.75	0.299	24.81	0.303
		DFT-S-OFDM QPSK	1	1	24.78	0.301	24.84	0.305	24.13	0.259
			1	109	24.22	0.264	24.79	0.301	24.80	0.302
			1	215	24.75	0.299	24.70	0.295	24.76	0.299

66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633000 (3 495.00 MHz)		633340 (3 500.01 MHz)		633666 (3 504.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	24.80	0.302	<b>24.94</b>	<b>0.312</b>	24.90	0.309
			1	123	24.46	0.279	24.89	0.308	24.68	0.294
			1	243	24.76	0.299	24.73	0.297	24.87	0.307
		DFT-S-OFDM QPSK	1	1	24.82	0.303	24.90	0.309	24.85	0.305
			1	123	24.40	0.275	24.82	0.303	24.64	0.291
			1	243	24.68	0.294	24.69	0.294	24.81	0.303

66A-n78A-Low Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					633340 (3 500.01 MHz)					
							(dB m)	(W)		
100	30	DFT-S-OFDM BPSK	1	1	-	-	<b>24.95</b>	<b>0.313</b>	-	-
			1	137	-	-	24.86	0.306	-	-
			1	271	-	-	24.79	0.301	-	-
		DFT-S-OFDM QPSK	1	1	-	-	24.91	0.310	-	-
			1	137	-	-	24.80	0.302	-	-
			1	271	-	-	24.75	0.299	-	-

**High Band (3 700 ~ 3 800 MHz)**

2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647334 (3 710.01 MHz)		650000 (3 750.00 MHz)		652666 (3 789.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	<b>23.59</b>	<b>0.229</b>	23.36	0.217	23.14	0.206
			1	26	23.18	0.208	23.25	0.211	23.08	0.203
			1	49	23.19	0.208	23.42	0.220	23.10	0.204
		DFT-S-OFDM QPSK	1	1	23.56	0.227	23.31	0.214	23.08	0.203
			1	26	23.12	0.205	23.24	0.211	23.12	0.205
			1	49	23.13	0.206	23.39	0.218	23.15	0.207
2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647668 (3 715.02 MHz)		650000 (3 750.00 MHz)		652332 (3 784.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	23.57	0.228	23.56	0.227	<b>23.66</b>	<b>0.232</b>
			1	39	23.06	0.202	23.20	0.209	23.17	0.207
			1	76	23.39	0.218	23.48	0.223	23.09	0.204
		DFT-S-OFDM QPSK	1	1	23.53	0.225	23.49	0.223	23.65	0.232
			1	39	23.02	0.200	23.16	0.207	23.11	0.205
			1	76	23.37	0.217	23.42	0.220	23.01	0.200
2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648000 (3 720.00 MHz)		650000 (3 750.00 MHz)		652000 (3 780.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	<b>23.75</b>	<b>0.237</b>	23.54	0.226	23.60	0.229
			1	53	23.18	0.208	23.19	0.208	23.06	0.202
			1	104	23.49	0.223	23.58	0.228	23.21	0.209
		DFT-S-OFDM QPSK	1	1	23.72	0.236	23.51	0.224	23.49	0.223
			1	53	23.14	0.206	23.14	0.206	23.01	0.200
			1	104	23.45	0.221	23.54	0.226	23.31	0.214
2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648334 (3 725.01 MHz)		650000 (3 750.00 MHz)		651666 (3 774.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	<b>23.49</b>	<b>0.223</b>	23.35	0.216	23.35	0.216
			1	67	23.09	0.204	23.14	0.206	23.24	0.211
			1	131	23.17	0.207	23.27	0.212	23.12	0.205
		DFT-S-OFDM QPSK	1	1	23.45	0.221	23.32	0.215	23.31	0.214
			1	67	23.00	0.200	23.10	0.204	23.21	0.209
			1	131	23.15	0.207	23.26	0.212	23.06	0.202
2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648668 (3 730.02 MHz)		650000 (3 750.00 MHz)		651332 (3 769.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	<b>23.63</b>	<b>0.231</b>	23.05	0.202	23.42	0.220
			1	81	23.49	0.223	23.26	0.212	23.53	0.225
			1	160	23.37	0.217	23.33	0.215	23.10	0.204
		DFT-S-OFDM QPSK	1	1	23.55	0.226	23.02	0.200	23.36	0.217
			1	81	23.41	0.219	23.22	0.210	23.47	0.222
			1	160	23.30	0.214	23.10	0.204	23.04	0.201

2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649000 (3 735.00 MHz)		650000 (3 750.00 MHz)		651000 (3 765.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	23.93	0.247	23.21	0.209	23.22	0.210
			1	95	23.25	0.211	23.99	0.251	23.29	0.213
			1	187	23.65	0.232	23.70	0.234	23.80	0.240
		DFT-S-OFDM QPSK	1	1	23.83	0.242	23.86	0.243	23.98	0.250
			1	95	23.26	0.212	<b>24.00</b>	<b>0.251</b>	23.87	0.244
			1	187	23.20	0.209	23.27	0.212	23.75	0.237
2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649334 (3 740.01 MHz)		650000 (3 750.00 MHz)		650666 (3 759.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	<b>23.59</b>	<b>0.229</b>	23.30	0.214	23.26	0.212
			1	109	23.35	0.216	23.26	0.212	23.40	0.219
			1	215	23.21	0.209	23.04	0.201	22.87	0.194
		DFT-S-OFDM QPSK	1	1	23.53	0.225	23.25	0.211	23.21	0.209
			1	109	23.28	0.213	23.21	0.209	23.33	0.215
			1	215	23.18	0.208	23.08	0.203	23.01	0.200
2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649668 (3 745.02 MHz)		650000 (3 750.00 MHz)		650332 (3 754.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	<b>23.61</b>	<b>0.230</b>	23.55	0.226	23.47	0.222
			1	123	23.21	0.209	23.25	0.211	23.41	0.219
			1	243	23.08	0.203	23.07	0.203	23.12	0.205
		DFT-S-OFDM QPSK	1	1	23.55	0.226	23.42	0.220	23.36	0.217
			1	123	23.15	0.207	23.22	0.210	23.32	0.215
			1	243	23.02	0.200	23.02	0.200	23.08	0.203
2A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					650000 (3 750.00 MHz)					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	DFT-S-OFDM BPSK	1	1	-	-	<b>23.72</b>	<b>0.236</b>	-	-
			1	137	-	-	23.29	0.213	-	-
			1	271	-	-	23.01	0.200	-	-
		DFT-S-OFDM QPSK	1	1	-	-	23.65	0.232	-	-
			1	137	-	-	23.24	0.211	-	-
			1	271	-	-	23.25	0.211	-	-

5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647334 (3 710.01 MHz)		650000 (3 750.00 MHz)		652666 (3 789.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	23.92	0.247	24.15	0.260	<b>24.93</b>	<b>0.311</b>
			1	26	24.13	0.259	23.47	0.222	24.65	0.292
			1	49	24.68	0.294	23.53	0.225	23.91	0.246
		DFT-S-OFDM QPSK	1	1	23.87	0.244	24.12	0.258	24.87	0.307
			1	26	24.08	0.256	23.42	0.220	24.63	0.290
			1	49	24.61	0.289	23.47	0.222	23.86	0.243
5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647668 (3 715.02 MHz)		650000 (3 750.00 MHz)		652332 (3 784.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	23.94	0.248	24.76	0.299	24.59	0.288
			1	39	24.34	0.272	23.49	0.223	24.95	0.313
			1	76	<b>25.02</b>	<b>0.318</b>	23.83	0.242	24.07	0.255
		DFT-S-OFDM QPSK	1	1	23.87	0.244	24.68	0.294	24.51	0.282
			1	39	24.31	0.270	23.44	0.221	24.92	0.310
			1	76	24.98	0.315	23.79	0.239	23.99	0.251
5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648000 (3 720.00 MHz)		650000 (3 750.00 MHz)		652000 (3 780.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	24.06	0.255	24.53	0.284	23.77	0.238
			1	53	24.74	0.298	23.48	0.223	<b>24.90</b>	<b>0.309</b>
			1	104	24.56	0.286	24.39	0.275	24.03	0.253
		DFT-S-OFDM QPSK	1	1	24.02	0.252	24.78	0.301	23.73	0.236
			1	53	24.71	0.296	23.43	0.220	24.90	0.309
			1	104	24.53	0.284	24.33	0.271	23.98	0.250
5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648334 (3 725.01 MHz)		650000 (3 750.00 MHz)		651666 (3 774.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	23.84	0.242	<b>25.10</b>	<b>0.324</b>	23.57	0.228
			1	67	24.79	0.301	23.42	0.220	24.71	0.296
			1	131	23.53	0.225	24.52	0.283	23.96	0.249
		DFT-S-OFDM QPSK	1	1	23.73	0.236	24.96	0.313	23.51	0.224
			1	67	24.77	0.300	23.37	0.217	24.63	0.290
			1	131	23.50	0.224	24.56	0.286	23.90	0.245
5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648668 (3 730.02 MHz)		650000 (3 750.00 MHz)		651332 (3 769.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	23.97	0.249	24.95	0.313	24.22	0.264
			1	81	<b>25.15</b>	<b>0.327</b>	23.57	0.228	24.36	0.273
			1	160	23.61	0.230	24.98	0.315	24.03	0.253
		DFT-S-OFDM QPSK	1	1	23.87	0.244	24.91	0.310	24.16	0.261
			1	81	24.88	0.308	23.52	0.225	24.28	0.268
			1	160	23.51	0.224	24.92	0.310	23.97	0.249



5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649000 (3 735.00 MHz)		650000 (3 750.00 MHz)		651000 (3 765.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	23.68	0.233	24.02	0.252	23.93	0.247
			1	95	23.85	0.243	23.90	0.245	23.88	0.244
			1	187	23.53	0.225	23.72	0.236	23.70	0.234
		DFT-S-OFDM QPSK	1	1	23.58	0.228	23.67	0.233	24.07	0.255
			1	95	23.81	0.240	23.53	0.225	24.11	0.258
			1	187	23.65	0.232	24.12	0.258	<b>24.17</b>	<b>0.261</b>
5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649334 (3 740.01 MHz)		650000 (3 750.00 MHz)		650666 (3 759.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	23.90	0.245	24.29	0.269	<b>25.00</b>	<b>0.316</b>
			1	109	24.24	0.265	23.51	0.224	23.58	0.228
			1	215	24.95	0.313	24.97	0.314	24.13	0.259
		DFT-S-OFDM QPSK	1	1	23.84	0.242	24.22	0.264	24.84	0.305
			1	109	24.18	0.262	23.47	0.222	23.56	0.227
			1	215	24.89	0.308	24.88	0.308	24.07	0.255
5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649668 (3 745.02 MHz)		650000 (3 750.00 MHz)		650332 (3 754.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	23.95	0.248	24.11	0.258	24.41	0.276
			1	123	23.74	0.237	23.53	0.225	23.52	0.225
			1	243	<b>25.07</b>	<b>0.321</b>	24.56	0.286	23.99	0.251
		DFT-S-OFDM QPSK	1	1	23.83	0.242	24.04	0.254	24.34	0.272
			1	123	23.69	0.234	23.48	0.223	23.48	0.223
			1	243	24.98	0.315	24.57	0.286	23.93	0.247
5A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					650000 (3 750.00 MHz)					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	DFT-S-OFDM BPSK	1	1	-	-	24.02	0.252	-	-
			1	137	-	-	23.56	0.227	-	-
			1	271	-	-	<b>24.08</b>	<b>0.256</b>	-	-
		DFT-S-OFDM QPSK	1	1	-	-	23.92	0.247	-	-
			1	137	-	-	23.48	0.223	-	-
			1	271	-	-	24.03	0.253	-	-

7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647334 (3 710.01 MHz)		650000 (3 750.00 MHz)		652666 (3 789.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	<b>24.45</b>	<b>0.279</b>	24.22	0.264	24.24	0.265
			1	26	24.32	0.270	23.76	0.238	23.95	0.248
			1	49	23.86	0.243	24.26	0.267	23.99	0.251
		DFT-S-OFDM QPSK	1	1	24.09	0.256	24.19	0.262	24.23	0.265
			1	26	24.02	0.252	24.36	0.273	24.30	0.269
			1	49	24.30	0.269	24.24	0.265	24.35	0.272
7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647668 (3 715.02 MHz)		650000 (3 750.00 MHz)		652332 (3 784.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	23.87	0.244	23.87	0.244	24.09	0.256
			1	39	24.04	0.254	23.98	0.250	23.88	0.244
			1	76	24.27	0.267	23.95	0.248	24.01	0.252
		DFT-S-OFDM QPSK	1	1	<b>24.43</b>	<b>0.277</b>	23.71	0.235	24.25	0.266
			1	39	24.22	0.264	23.86	0.243	24.23	0.265
			1	76	24.00	0.251	23.84	0.242	24.06	0.255
7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648000 (3 720.00 MHz)		650000 (3 750.00 MHz)		652000 (3 780.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	24.17	0.261	24.22	0.264	23.80	0.240
			1	53	23.84	0.242	24.24	0.265	23.98	0.250
			1	104	24.03	0.253	23.99	0.251	24.08	0.256
		DFT-S-OFDM QPSK	1	1	24.24	0.265	23.72	0.236	24.38	0.274
			1	53	24.23	0.265	23.82	0.241	<b>24.47</b>	<b>0.280</b>
			1	104	23.83	0.242	24.12	0.258	24.26	0.267
7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648334 (3 725.01 MHz)		650000 (3 750.00 MHz)		651666 (3 774.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	24.27	0.267	24.32	0.270	24.05	0.254
			1	67	23.73	0.236	23.88	0.244	24.07	0.255
			1	131	24.47	0.280	24.41	0.276	23.90	0.245
		DFT-S-OFDM QPSK	1	1	24.33	0.271	23.77	0.238	24.35	0.272
			1	67	<b>24.48</b>	<b>0.281</b>	24.28	0.268	24.25	0.266
			1	131	24.45	0.279	24.34	0.272	24.29	0.269
7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648668 (3 730.02 MHz)		650000 (3 750.00 MHz)		651332 (3 769.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	24.41	0.276	23.89	0.245	23.86	0.243
			1	81	24.33	0.271	24.22	0.264	23.93	0.247
			1	160	24.19	0.262	24.22	0.264	23.87	0.244
		DFT-S-OFDM QPSK	1	1	24.14	0.259	24.13	0.259	24.48	0.281
			1	81	24.27	0.267	23.87	0.244	23.89	0.245
			1	160	24.22	0.264	<b>24.49</b>	<b>0.281</b>	24.16	0.261

7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649000 (3 735.00 MHz)		650000 (3 750.00 MHz)		651000 (3 765.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	24.14	0.259	23.85	0.243	24.00	0.251
			1	95	23.84	0.242	24.42	0.277	23.91	0.246
			1	187	24.43	0.277	23.98	0.250	23.93	0.247
		DFT-S-OFDM QPSK	1	1	24.03	0.253	24.21	0.264	23.91	0.246
			1	95	23.80	0.240	<b>24.47</b>	<b>0.280</b>	23.72	0.236
			1	187	24.18	0.262	23.90	0.245	23.94	0.248

7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649334 (3 740.01 MHz)		650000 (3 750.00 MHz)		650666 (3 759.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	24.41	0.276	24.17	0.261	24.16	0.261
			1	109	24.27	0.267	24.15	0.260	24.06	0.255
			1	215	24.20	0.263	24.19	0.262	24.36	0.273
		DFT-S-OFDM QPSK	1	1	24.14	0.259	24.12	0.258	<b>24.47</b>	<b>0.280</b>
			1	109	24.44	0.278	24.46	0.279	24.03	0.253
			1	215	23.86	0.243	23.74	0.237	24.31	0.270

7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649668 (3 745.02 MHz)		650000 (3 750.00 MHz)		650332 (3 754.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	24.36	0.273	23.89	0.245	23.86	0.243
			1	123	24.44	0.278	23.92	0.247	24.16	0.261
			1	243	<b>24.47</b>	<b>0.280</b>	23.75	0.237	24.39	0.275
		DFT-S-OFDM QPSK	1	1	24.11	0.258	23.98	0.250	23.91	0.246
			1	123	24.18	0.262	24.47	0.280	23.71	0.235
			1	243	23.97	0.249	23.71	0.235	24.47	0.280

7A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					650000 (3 750.00 MHz)					
							(dB m)	(W)		
100	30	DFT-S-OFDM BPSK	1	1	-	-	23.82	0.241	-	-
			1	137	-	-	23.86	0.243	-	-
			1	271	-	-	23.75	0.237	-	-
		DFT-S-OFDM QPSK	1	1	-	-	23.86	0.243	-	-
			1	137	-	-	24.18	0.262	-	-
			1	271	-	-	<b>24.27</b>	<b>0.267</b>	-	-

12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647334 (3 710.01 MHz)		650000 (3 750.00 MHz)		652666 (3 789.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	23.95	0.248	24.25	0.266	24.28	0.268
			1	26	24.03	0.253	24.10	0.257	23.73	0.236
			1	49	24.10	0.257	<b>24.38</b>	<b>0.274</b>	24.05	0.254
		DFT-S-OFDM QPSK	1	1	24.26	0.267	23.94	0.248	24.05	0.254
			1	26	24.14	0.259	24.06	0.255	24.38	0.274
			1	49	24.25	0.266	24.33	0.271	24.20	0.263
12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647668 (3 715.02 MHz)		650000 (3 750.00 MHz)		652332 (3 784.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	23.70	0.234	24.42	0.277	24.34	0.272
			1	39	24.49	0.281	24.20	0.263	23.97	0.249
			1	76	24.45	0.279	24.35	0.272	23.92	0.247
		DFT-S-OFDM QPSK	1	1	23.94	0.248	<b>24.49</b>	<b>0.281</b>	24.44	0.278
			1	39	24.36	0.273	24.39	0.275	23.84	0.242
			1	76	24.10	0.257	23.94	0.248	24.18	0.262
12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648000 (3 720.00 MHz)		650000 (3 750.00 MHz)		652000 (3 780.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	24.22	0.264	24.21	0.264	24.32	0.270
			1	53	24.12	0.258	23.75	0.237	23.83	0.242
			1	104	<b>24.43</b>	<b>0.277</b>	23.78	0.239	24.14	0.259
		DFT-S-OFDM QPSK	1	1	23.95	0.248	24.10	0.257	23.95	0.248
			1	53	24.04	0.254	23.82	0.241	24.33	0.271
			1	104	24.00	0.251	24.33	0.271	24.41	0.276
12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648334 (3 725.01 MHz)		650000 (3 750.00 MHz)		651666 (3 774.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	23.95	0.248	24.20	0.263	23.74	0.237
			1	67	24.07	0.255	24.16	0.261	<b>24.39</b>	<b>0.275</b>
			1	131	24.01	0.252	24.04	0.254	24.06	0.255
		DFT-S-OFDM QPSK	1	1	23.87	0.244	24.29	0.269	24.29	0.269
			1	67	24.10	0.257	24.11	0.258	23.91	0.246
			1	131	24.16	0.261	23.84	0.242	23.75	0.237
12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648668 (3 730.02 MHz)		650000 (3 750.00 MHz)		651332 (3 769.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	24.06	0.255	23.83	0.242	24.37	0.274
			1	81	24.30	0.269	24.23	0.265	24.22	0.264
			1	160	23.83	0.242	24.28	0.268	23.78	0.239
		DFT-S-OFDM QPSK	1	1	23.98	0.250	23.75	0.237	24.38	0.274
			1	81	24.01	0.252	24.35	0.272	23.76	0.238
			1	160	<b>24.48</b>	<b>0.281</b>	23.83	0.242	23.71	0.235

12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649000 (3 735.00 MHz)		650000 (3 750.00 MHz)		651000 (3 765.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	24.25	0.266	24.22	0.264	24.41	0.276
			1	95	24.13	0.259	24.05	0.254	23.88	0.244
			1	187	24.09	0.256	<b>24.42</b>	<b>0.277</b>	24.36	0.273
		DFT-S-OFDM QPSK	1	1	24.27	0.267	24.15	0.260	24.18	0.262
			1	95	24.17	0.261	24.14	0.259	24.05	0.254
			1	187	23.74	0.237	23.83	0.242	24.15	0.260
12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649334 (3 740.01 MHz)		650000 (3 750.00 MHz)		650666 (3 759.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	24.21	0.264	24.43	0.277	24.39	0.275
			1	109	23.93	0.247	23.99	0.251	24.01	0.252
			1	215	23.91	0.246	23.72	0.236	24.04	0.254
		DFT-S-OFDM QPSK	1	1	24.07	0.255	<b>24.50</b>	<b>0.282</b>	23.76	0.238
			1	109	24.08	0.256	23.81	0.240	24.34	0.272
			1	215	24.40	0.275	23.70	0.234	24.08	0.256
12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649668 (3 745.02 MHz)		650000 (3 750.00 MHz)		650332 (3 754.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	24.10	0.257	24.30	0.269	24.14	0.259
			1	123	23.96	0.249	24.09	0.256	24.21	0.264
			1	243	24.46	0.279	24.48	0.281	23.99	0.251
		DFT-S-OFDM QPSK	1	1	24.25	0.266	24.00	0.251	23.78	0.239
			1	123	24.09	0.256	24.02	0.252	24.20	0.263
			1	243	<b>24.50</b>	<b>0.282</b>	23.71	0.235	24.48	0.281
12A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					650000 (3 750.00 MHz)					
							(dB m)	(W)		
100	30	DFT-S-OFDM BPSK	1	1	-	-	23.93	0.247	-	-
			1	137	-	-	24.08	0.256	-	-
			1	271	-	-	24.01	0.252	-	-
		DFT-S-OFDM QPSK	1	1	-	-	<b>24.47</b>	<b>0.280</b>	-	-
			1	137	-	-	24.28	0.268	-	-
			1	271	-	-	24.25	0.266	-	-

66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647334 (3 710.01 MHz)		650000 (3 750.00 MHz)		652666 (3 789.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	30	DFT-S-OFDM BPSK	1	1	24.01	0.252	24.34	0.272	<b>25.03</b>	<b>0.318</b>
			1	26	24.20	0.263	23.56	0.227	24.79	0.301
			1	49	24.82	0.303	23.59	0.229	24.03	0.253
		DFT-S-OFDM QPSK	1	1	23.99	0.251	24.31	0.270	24.96	0.313
			1	26	24.17	0.261	23.53	0.225	24.76	0.299
			1	49	24.76	0.299	23.55	0.226	23.97	0.249
66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					647668 (3 715.02 MHz)		650000 (3 750.00 MHz)		652332 (3 784.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	30	DFT-S-OFDM BPSK	1	1	23.95	0.248	24.81	0.303	24.65	0.292
			1	39	24.46	0.279	23.60	0.229	25.00	0.316
			1	76	<b>25.12</b>	<b>0.325</b>	23.93	0.247	24.15	0.260
		DFT-S-OFDM QPSK	1	1	23.91	0.246	24.76	0.299	24.57	0.286
			1	39	24.44	0.278	23.56	0.227	24.95	0.313
			1	76	25.07	0.321	23.89	0.245	24.07	0.255
66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648000 (3 720.00 MHz)		650000 (3 750.00 MHz)		652000 (3 780.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	30	DFT-S-OFDM BPSK	1	1	24.08	0.256	25.02	0.313	23.90	0.245
			1	53	24.89	0.308	23.62	0.230	24.94	0.312
			1	104	24.63	0.290	24.35	0.272	24.09	0.256
		DFT-S-OFDM QPSK	1	1	24.05	0.254	<b>25.07</b>	<b>0.321</b>	23.86	0.243
			1	53	24.86	0.306	23.57	0.228	24.90	0.309
			1	104	24.60	0.288	24.33	0.271	24.03	0.253
66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648334 (3 725.01 MHz)		650000 (3 750.00 MHz)		651666 (3 774.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
50	30	DFT-S-OFDM BPSK	1	1	23.83	0.242	<b>25.01</b>	<b>0.317</b>	23.82	0.241
			1	67	24.94	0.312	23.82	0.241	24.44	0.278
			1	131	23.60	0.229	24.24	0.265	23.71	0.235
		DFT-S-OFDM QPSK	1	1	23.79	0.239	24.98	0.315	23.78	0.239
			1	67	24.92	0.310	23.78	0.239	24.38	0.274
			1	131	23.57	0.228	24.20	0.263	23.66	0.232
66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					648668 (3 730.02 MHz)		650000 (3 750.00 MHz)		651332 (3 769.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
60	30	DFT-S-OFDM BPSK	1	1	23.97	0.249	25.02	0.318	24.27	0.267
			1	81	<b>25.11</b>	<b>0.324</b>	23.73	0.236	24.36	0.273
			1	160	23.69	0.234	25.00	0.316	24.06	0.255
		DFT-S-OFDM QPSK	1	1	23.93	0.247	24.96	0.313	24.17	0.261
			1	81	25.07	0.321	23.65	0.232	24.30	0.269
			1	160	23.65	0.232	24.95	0.313	24.01	0.252

66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649000 (3 735.00 MHz)		650000 (3 750.00 MHz)		651000 (3 765.00 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
70	30	DFT-S-OFDM BPSK	1	1	<b>25.14</b>	<b>0.327</b>	25.01	0.317	25.11	0.324
			1	95	24.54	0.284	24.82	0.303	25.11	0.324
			1	187	25.12	0.325	24.66	0.292	25.14	0.327
		DFT-S-OFDM QPSK	1	1	24.90	0.309	24.90	0.309	24.73	0.297
			1	95	25.11	0.324	24.66	0.292	25.13	0.326
			1	187	24.60	0.288	24.91	0.310	24.57	0.286

66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649334 (3 740.01 MHz)		650000 (3 750.00 MHz)		650666 (3 759.99 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
80	30	DFT-S-OFDM BPSK	1	1	23.92	0.247	24.45	0.279	<b>25.03</b>	<b>0.318</b>
			1	109	24.29	0.269	23.60	0.229	23.70	0.234
			1	215	24.97	0.314	25.01	0.317	24.16	0.261
		DFT-S-OFDM QPSK	1	1	23.88	0.244	24.27	0.267	24.96	0.313
			1	109	24.23	0.265	23.55	0.226	23.63	0.231
			1	215	24.91	0.310	24.91	0.310	24.10	0.257

66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					649668 (3 745.02 MHz)		650000 (3 750.00 MHz)		650332 (3 754.98 MHz)	
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
90	30	DFT-S-OFDM BPSK	1	1	23.93	0.247	24.18	0.262	24.78	0.301
			1	123	23.79	0.239	23.57	0.228	23.56	0.227
			1	243	<b>25.09</b>	<b>0.323</b>	24.59	0.288	23.20	0.209
		DFT-S-OFDM QPSK	1	1	23.89	0.245	24.06	0.255	24.74	0.298
			1	123	23.70	0.234	23.51	0.224	23.51	0.224
			1	243	24.98	0.315	24.57	0.286	23.16	0.207

66A-n78A-High Band										
BW (MHz)	SCS (kHz)	Modulation	RB Size	RB Offset	Conducted Output Power					
					650000 (3 750.00 MHz)					
					(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
100	30	DFT-S-OFDM BPSK	1	1	-	-	<b>24.26</b>	<b>0.267</b>	-	-
			1	137	-	-	23.74	0.237	-	-
			1	271	-	-	23.28	0.213	-	-
		DFT-S-OFDM QPSK	1	1	-	-	24.23	0.265	-	-
			1	137	-	-	23.70	0.234	-	-
			1	271	-	-	23.24	0.211	-	-

## 4. Occupied Bandwidth

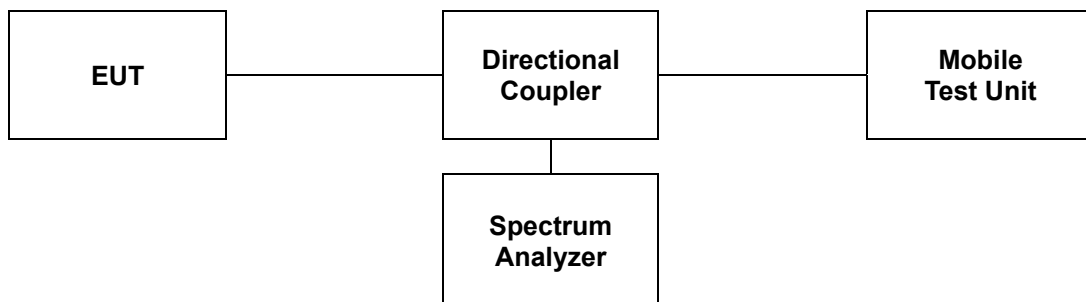
### 4.1. Limit

CFR 47, Section FCC §2.1049

### 4.2. Test Procedure

The test follows section 5.4.4 of ANSI C63.26-2015.

- 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  $1.5 \times \text{OBW}$  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  $\geq 3 \times \text{RBW}$ .
- 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).





### 4.3 Test Results

Ambient temperature : (23 ± 1) °C  
 Relative humidity : 47 % R.H.

#### SISO

Band	SCS (kHz)	BW (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
77/78 Low-Band	30	20	3 500.01	17.902	17.942	17.942	18.222	18.222
		30		26.733	26.853	26.733	27.812	27.812
		40		35.964	36.124	35.964	38.122	38.282
		50		45.754	45.854	45.854	47.453	47.552
		60		57.902	57.902	57.902	58.022	57.902
		70		64.476	64.196	64.476	67.552	67.552
		80		77.043	77.043	76.883	77.682	77.363
		90		86.673	86.853	86.853	87.393	87.393
		100		96.104	96.304	96.304	97.303	97.502
Band	SCS (kHz)	BW (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
77/78 High-Band	30	20	3 840	17.902	17.942	17.982	18.262	18.262
		30		26.793	26.793	26.853	27.812	27.752
		40		35.964	36.044	36.124	38.122	38.282
		50		45.854	45.954	45.854	47.652	47.652
		60		58.022	58.022	58.022	58.022	57.902
		70		64.196	64.336	64.476	67.552	67.552
		80		77.203	77.043	77.203	77.682	77.522
		90		86.853	86.673	86.853	87.572	87.572
		100		96.304	96.503	96.304	97.502	97.303

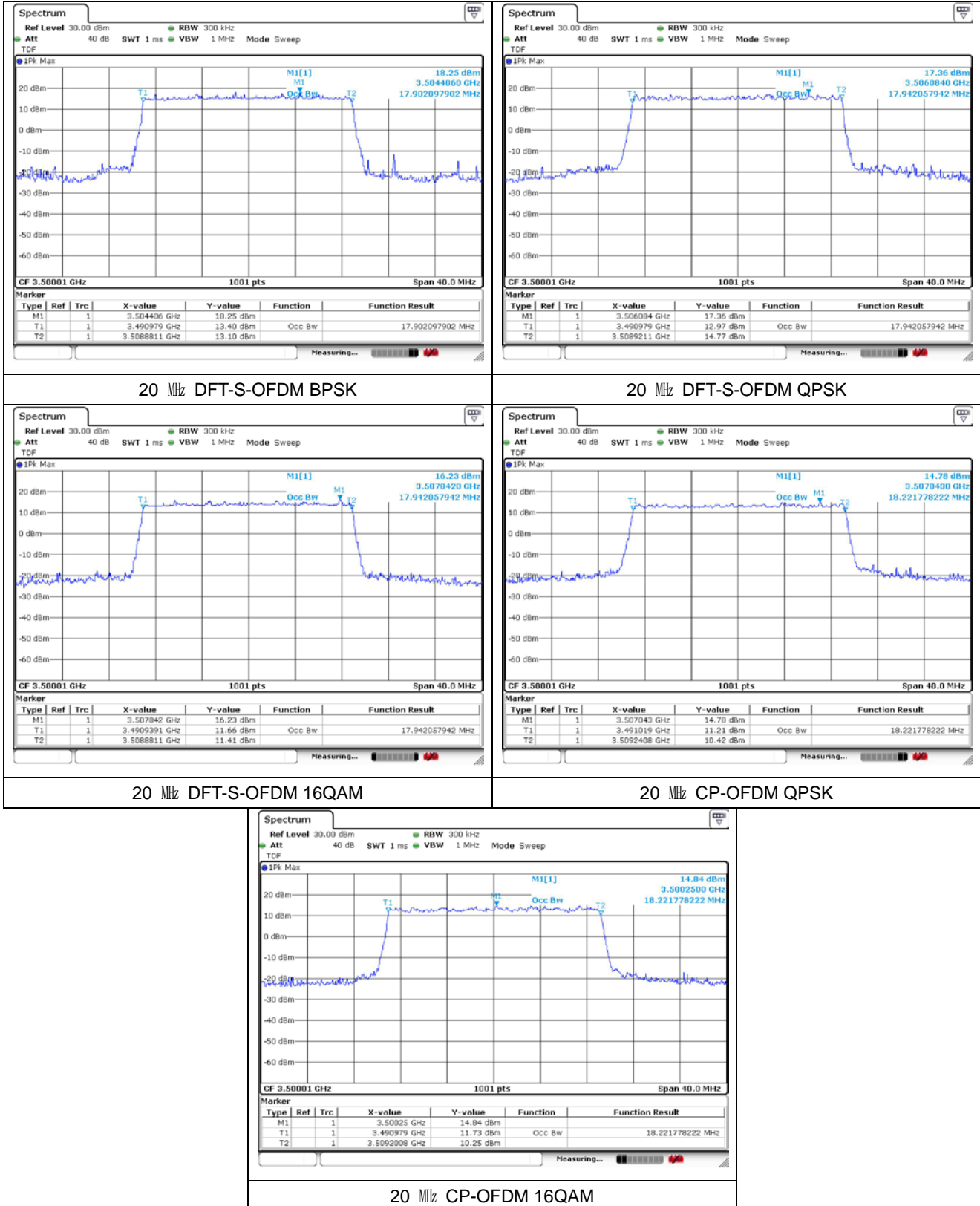
**MIMO**

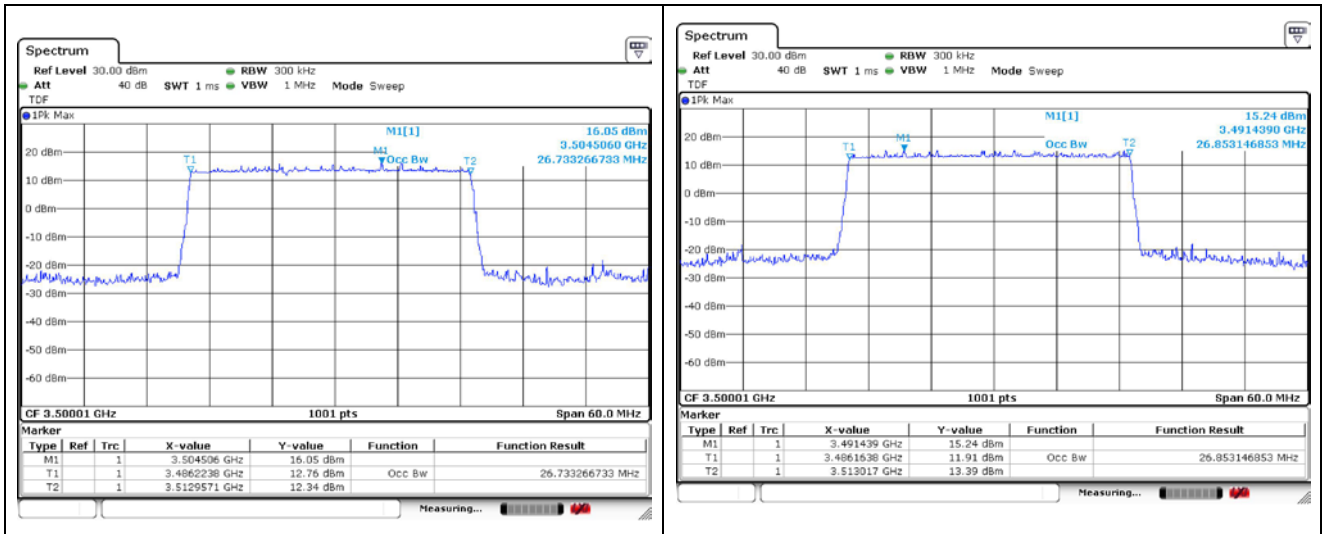
Band	SCS (kHz)	BW (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)			
				CP-OFDM QPSK		CP-OFDM 16QAM	
				Port 1	Port 2	Port 1	Port 2
77/78 Low-Band	30	20	3 500.01	18.182	18.262	18.262	18.302
		30		27.872	27.752	27.812	27.872
		40		38.042	38.122	38.042	37.962
		50		47.752	47.552	47.752	47.652
		60		58.262	58.022	58.142	57.902
		70		67.692	67.413	67.692	67.692
		80		77.522	77.363	77.682	77.363
		90		87.572	87.572	87.752	87.393
		100		97.702	97.303	97.702	97.303
Band	SCS (kHz)	BW (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)			
				CP-OFDM QPSK		CP-OFDM 16QAM	
				Port 1	Port 2	Port 1	Port 2
77/78 High-Band	30	20	3 840	18.262	18.222	18.262	18.302
		30		27.872	27.752	27.932	27.812
		40		38.042	38.282	38.042	38.042
		50		47.752	47.652	47.652	47.652
		60		58.142	57.902	58.022	57.902
		70		67.692	67.552	67.832	67.692
		80		77.522	77.522	77.522	77.682
		90		87.752	87.572	87.752	87.572
		100		97.702	97.103	97.502	97.502

**- Test plots**

**SISO**

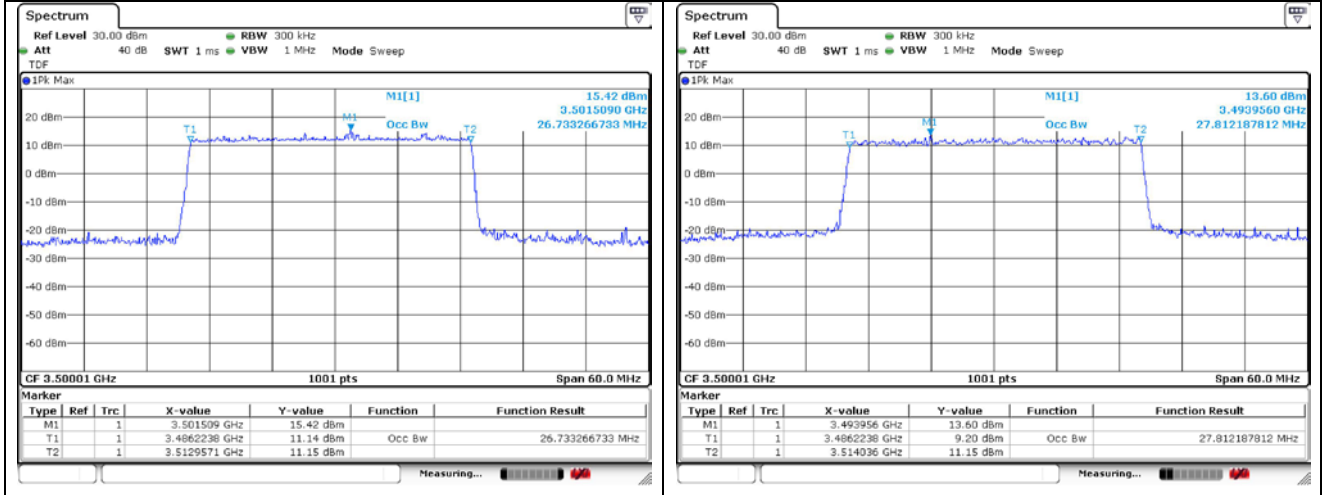
**NR band 77/78 Low Band**





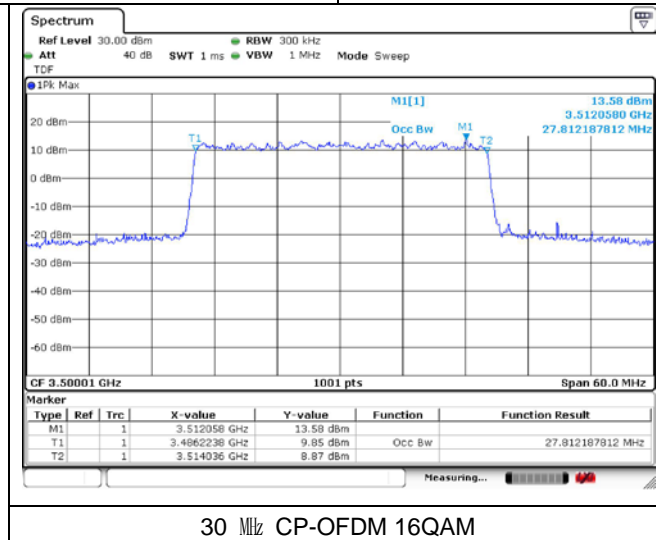
30 MHz DFT-S-OFDM BPSK

30 MHz DFT-S-OFDM QPSK

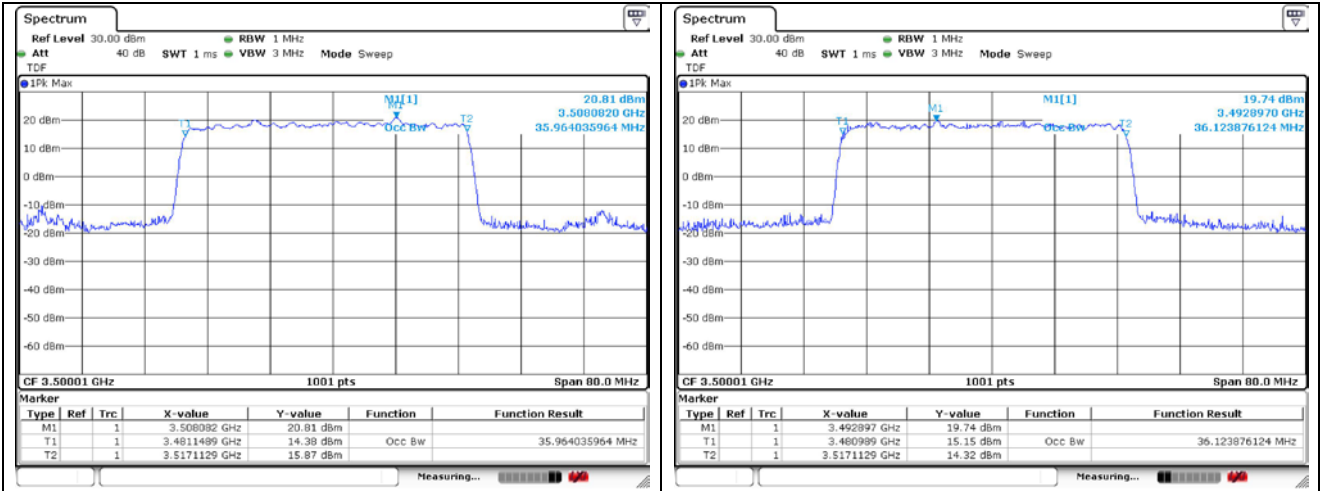


30 MHz DFT-S-OFDM 16QAM

30 MHz CP-OFDM QPSK

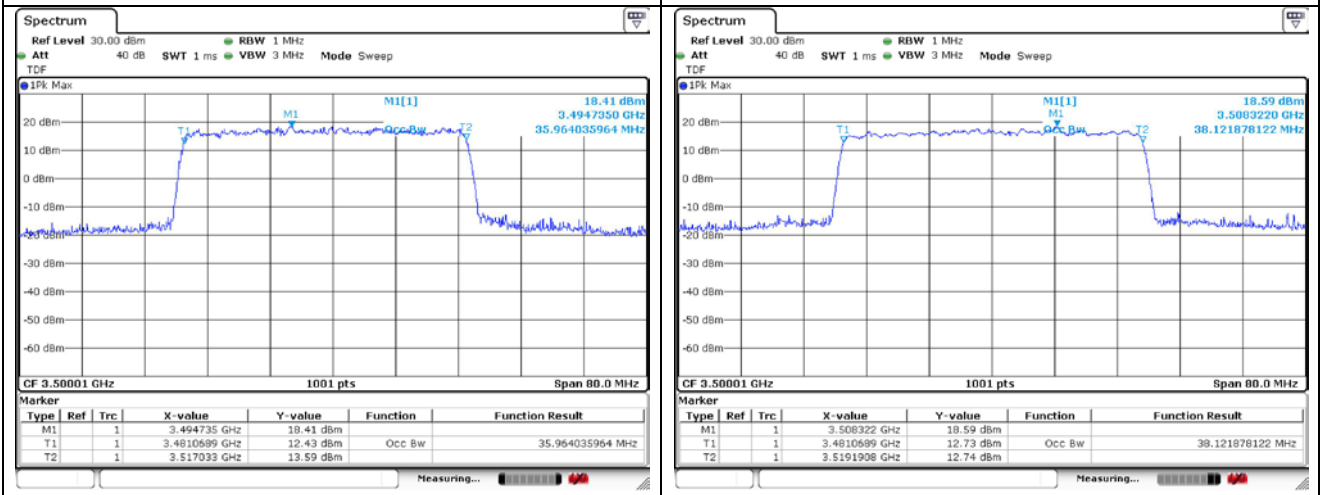


30 MHz CP-OFDM 16QAM



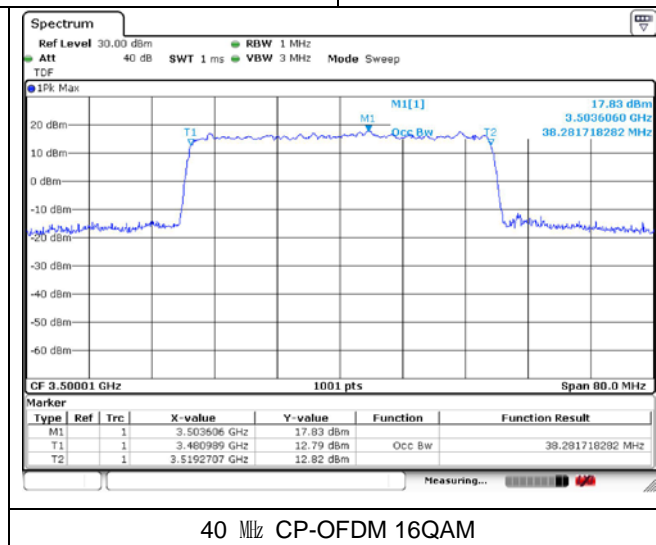
40 MHz DFT-S-OFDM BPSK

40 MHz DFT-S-OFDM QPSK

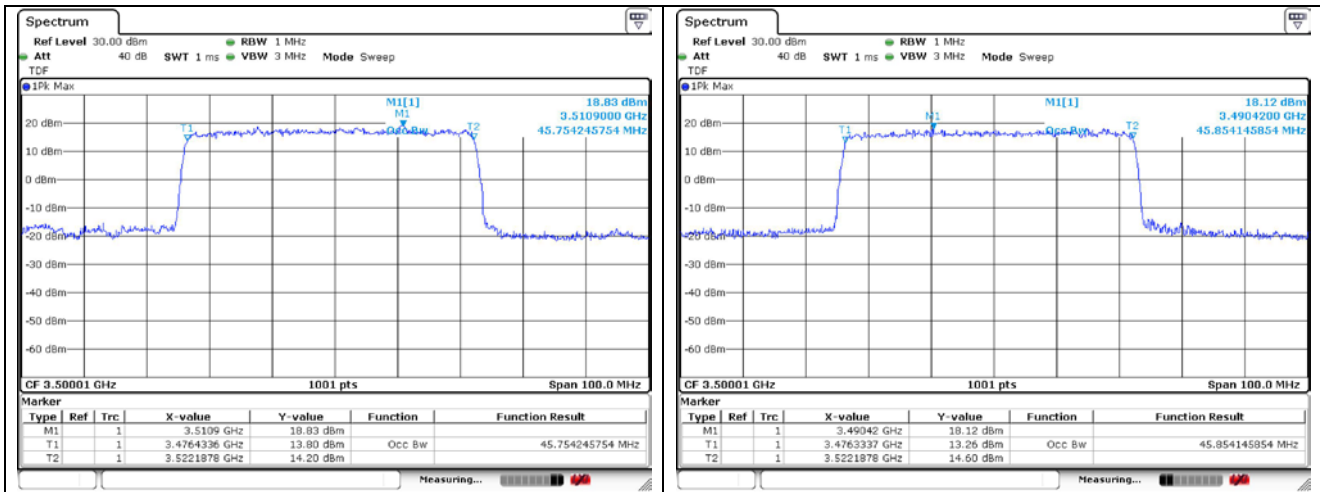


40 MHz DFT-S-OFDM 16QAM

40 MHz CP-OFDM QPSK

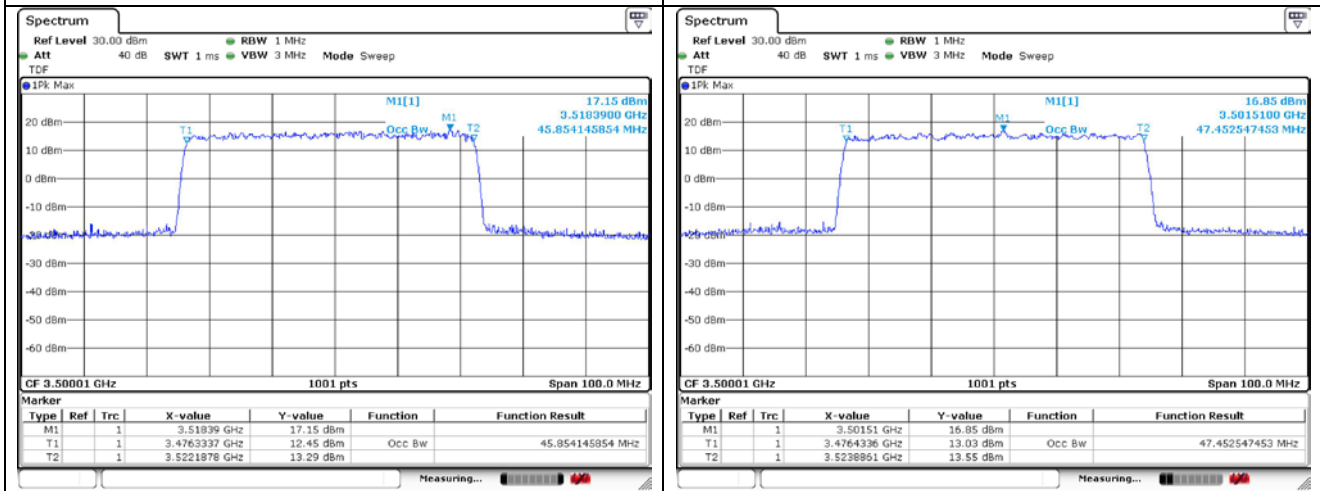


40 MHz CP-OFDM 16QAM



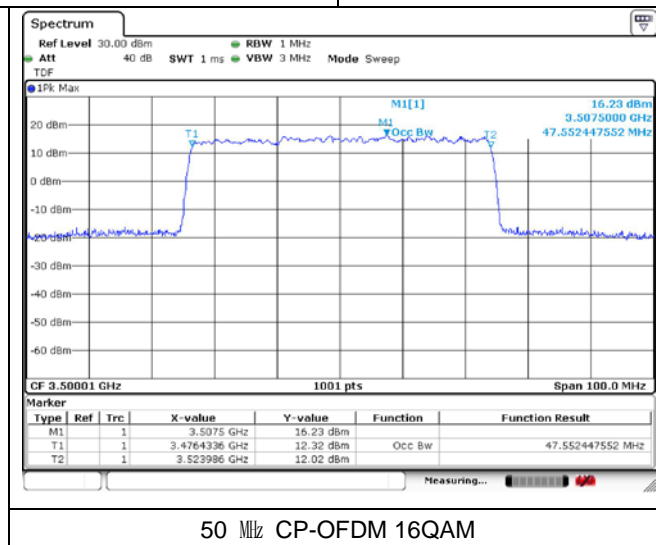
50 MHz DFT-S-OFDM BPSK

50 MHz DFT-S-OFDM QPSK



50 MHz DFT-S-OFDM 16QAM

50 MHz CP-OFDM QPSK



50 MHz CP-OFDM 16QAM