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TEST REPORT

of

FCC Part 2 Subpart J, Part 22 Subpart C/H,
Part 24 Subpart E and Part 27 Subpart C
IC RSS-130 Issue 2, RSS-132 Issue 4, RSS-133 Issue 6,
RSS-139 Issue 4, RSS-199 Issue 4 and RSS-Gen Issue 5

FCC ID: BEJTM16FNNABM0
IC Certification: 2703H-TM16FNNABM0

Equipment Under Test	:	Telematics Module
Model Name	:	TM16FNNABM0
Variant Model Name(s)	:	-
Applicant	:	FCC: LG Electronics USA IC: LG ELECTRONICS INC.
Manufacturer	:	LG Electronics Inc.
Date of Receipt	:	2023.12.13
Date of Test(s)	:	2023.12.13 ~ 2024.03.29
Date of Issue	:	2024.03.29

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: Murphy 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

All SGS services are rendered in accordance with the applicable SGS conditions of service available on request and accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.

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1.2. Details of Applicant

FCC Applicant : LG Electronics USA
FCC Address : 111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, United States, 07632
IC Applicant : LG ELECTRONICS INC.
IC Address : 222, LG-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, Korea (Republic of), 451-713
Contact Person : Kim, David
Phone No. : +1 201 470 2696

1.3. Details of Manufacturer

Company : LG Electronics Inc.
Address : 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea, 07336

1.4. Description of EUT

Kind of Product	Telematics Module		
Model Name	TM16FNNABM0		
Serial Number	Conducted: FCC_04 Radiated: FCC Rad_02		
Power Supply	DC 4.10 V		
Rated Power	NR Band 2, 5, 7, 12, 25, 66, 71: 23 ㏈m		
Frequency Range	NR Band 2: 1 850 ㎒ ~ 1 910 ㎒ NR Band 5: 824 ㎒ ~ 849 ㎒ NR Band 7: 2 500 ㎒ ~ 2 570 ㎒ NR Band 12: 699 ㎒ ~ 716 ㎒ NR Band 25: 1 850 ㎒ ~ 1 915 ㎒ NR Band 66: 1 710 ㎒ ~ 1 780 ㎒ NR Band 71: 663 ㎒ ~ 698 ㎒		
Modulation Technique	BPSK, QPSK, 16QAM, 64QAM, 256QAM		
Antenna Type	Ant. 1: PIFA Antenna	Ant. 2: PIFA Antenna	Ant. 3: PIFA Antenna
Antenna Gain※	Refer to the clause 1.15		
H/W Version	Rev.D		
S/W Version	IN25XA03		
FVIN	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. 06, 2023	Annual	Oct. 06, 2024
Spectrum Analyzer	R&S	FSV30	103453	Oct. 31, 2023	Annual	Oct. 31, 2024
Spectrum Analyzer	R&S	FSW43	100637	Apr. 06, 2023	Annual	Apr. 06, 2024
Spectrum Analyzer	Agilent	N9020A	MY53421758	Sep. 01, 2023	Annual	Sep. 01, 2024
Spectrum Analyzer	Agilent	N9030A	US51350132	Nov. 27, 2023	Annual	Nov. 27, 2024
Communication test station	Anritsu	MT8000A	6261949671	Oct. 06, 2023	Annual	Oct. 06, 2024
Communication Analyzer	Anritsu	MT8821C	6262192291	Feb. 08, 2024	Annual	Feb. 08, 2025
Power Meter	Anritsu	ML2495A	1223004	May 30, 2023	Annual	May 30, 2024
Power Sensor	Anritsu	MA2411B	1207272	May 30, 2023	Annual	May 30, 2024
Temperature Chamber	ESPEC CORP.	SH-662	93000533	Jun. 02, 2023	Annual	Jun. 02, 2024
Low Pass Filter	Mini-Circuits	NLP-1200+	V 8979400903-1	May 16, 2023	Annual	May 16, 2024
High Pass Filter	Wainwright Instrument GmbH	WHKX10-900-1000-18000-40SS	7	Feb. 27, 2024	Annual	Feb. 27, 2025
High Pass Filter	Wainwright Instrument GmbH	WHKX3.0/18G-6SS	21	Jun. 01, 2023	Annual	Jun. 01, 2024
High Pass Filter	Wainwright Instrument GmbH	WHNX7.5/26.5G-6SS	11	Oct. 17, 2023	Annual	Oct. 17, 2024
Power Splitter	Weinschel	1534	499	Nov, 03, 2023	Annual	Nov, 03, 2024
BRIDGE COUPLER	MARKI MICROWAVE INC	CBR16-0012	1542	May 16, 2023	Annual	May 16, 2024
Directional Coupler	KRYTAR	152613	122660	Jul. 13, 2023	Annual	Jul. 13, 2024
Directional Coupler	KRYTAR	152613	122661	Feb. 27, 2024	Annual	Feb. 27, 2025
DC Power Supply	Agilent	U8002A	MY49030063	Jan. 17, 2024	Annual	Jan. 17, 2025
Preamplifier	H.P.	8447F	2944A03909	Aug. 04, 2023	Annual	Aug. 04, 2024
Preamplifier	R&S	SCU 18F	101058	Dec. 07, 2023	Annual	Dec. 07, 2024
Preamplifier	MITEQ Inc.	JS44-18004000-35-8P	1546891	Oct. 06, 2023	Annual	Oct. 06, 2024
Test Receiver	R&S	ESU26	100109	Jan. 16, 2024	Annual	Jan. 16, 2025
Loop Antenna	Schwarzbeck Mess-Elektronik	FMZB 1519	1519-039	Aug. 21, 2023	Biennial	Aug. 21, 2025
Bilog Antenna	Schwarzbeck Mess-Elektronik	VULB9163	9163-437	May 31, 2023	Biennial	May 31, 2025
Horn Antenna	R&S	HF906	100326	Feb. 19, 2024	Annual	Feb. 19, 2025
Horn Antenna	Schwarzbeck Mess-Elektronik	BBHA 9170	9170-540	Dec. 05, 2023	Annual	Dec. 05, 2024
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 × W × H (9.6 m × 6.4 m × 6.6 m)	N/A	N.C.R.	N/A	N.C.R.
Coaxial Cable	RFONE	MWX221-NMSNMS (4 m)	J1023142	Oct. 04, 2023	Semi-Annual	Apr. 04, 2024
Coaxial Cable	Qualwave Inc.	QA500-18-NN-10 (10 m)	22200114	Oct. 04, 2023	Semi-Annual	Apr. 04, 2024
Coaxial Cable	RADIALL	TESTPRO 3	182287	Oct. 14, 2023	Semi-Annual	Apr. 14, 2024
Coaxial Cable	RADIALL	TESTPRO 3	182288	Oct. 14, 2023	Semi-Annual	Apr. 14, 2024
Coaxial Cable	RADIALL	TESTPRO 3	182291	Oct. 14, 2023	Semi-Annual	Apr. 14, 2024

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, 22, 24 and 27 IC RSS-Gen Issue 5, RSS-130 Issue 2, RSS-132 Issue 4, RSS-133 Issue 6, RSS-139 Issue 4 and RSS-199 Issue 4			
Section(s) in FCC	**Section(s) in IC**	**Test Item**	**Result**
§2.1046 §22.913(a)(5) §24.232(c) §27.50(c)(9)(10) §27.50(d)(4) §27.50(h)(2)	RSS-130 Issue 2 4.6 RSS-132 Issue 4 5.4 RSS-133 Issue 6 6.4 RSS-139 Issue 4 5.5 RSS-199 Issue 4 5.5	E.R.P. / E.I.R.P.	Complied
§22.917(a) §24.238(a) §27.53(g) §27.53(h)(1) §27.53(m)(4)	RSS-130 Issue 2 4.7 RSS-132 Issue 4 5.5 RSS-133 Issue 6 6.5 RSS-139 Issue 4 5.6 RSS-199 Issue 4 5.6	Spurious Radiated Emission	Complied
§2.1046	RSS-Gen Issue 5 6.12	Conducted Output Power	Complied
§2.1049	RSS-Gen Issue 5 6.7	Occupied Bandwidth	Complied
§22.913(d) §24.232(d) §27.50(d)(5)	RSS-130 Issue 2 4.6 RSS-132 Issue 4 5.4 RSS-133 Issue 6 6.4 RSS-139 Issue 4 5.5 RSS-199 Issue 4 5.5	Peak-Average Ratio	Complied
§22.917(a) §24.238(a) §27.53(g) §27.53(h)(1) §27.53(m)(4)	RSS-130 Issue 2 4.7 RSS-132 Issue 4 5.5 RSS-133 Issue 6 6.5 RSS-139 Issue 4 5.6 RSS-199 Issue 4 5.6	Spurious Emission at Antenna Terminal	Complied
§22.917(a) §24.238(a) §27.53(g) §27.53(h)(1) §27.53(m)(4)	RSS-130 Issue 2 4.7 RSS-132 Issue 4 5.5 RSS-133 Issue 6 6.5 RSS-139 Issue 4 5.6 RSS-199 Issue 4 5.6	Band Edge	Complied
§2.1055 §22.355 §24.235 §27.54	RSS-Gen Issue 5 6.11 RSS-130 Issue 2 4.5 RSS-132 Issue 4 5.3 RSS-133 Issue 6 6.3 RSS-139 Issue 4 5.4 RSS-199 Issue 4 5.4	Frequency Stability	Complied

1.7. Sample Calculation for Offset

Where relevant, the following sample calculation is provided:

1.7.1. Conducted Test

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

1.7.2. Radiation test

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

1.8. Device Capabilities

This device contains the following capabilities;

NR Band 2 (1 850 ㎒ ~ 1 910 ㎒) is covered by NR Band 25 (1 850 ㎒ ~ 1 915 ㎒) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth. Therefore test data provided in this report covers NR Band 2 as well as Band 25.

1.9. Manufacturer Declaration

The EUT has three antennas, antennas 1 and 2 are the main antennas, and antenna 3 can be switched to the main antenna. Each antenna can't transmit simultaneously.

1.10. ENDC Configuration

NR Band	SCS (㎑)	Bandwidth (㎒)	Waveform	Modulation	ENDC LTE Band
n2	15	5, 10, 15, 20	DFT-S OFDM, CP OFDM	BPSK, QPSK, 16QAM, 64QAM, 256QAM	5, 12, 13, 48
n5	15	5, 10, 15, 20			2, 66
n66	15	5, 10, 15, 20, 40			5, 12, 13, 48
n71	15	5, 10, 15, 20			2, 7, 66

1.11. 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, 64QAM and 256QAM 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.
However, the spurious radiated 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 256QAM 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.

1.12. Measurement Configuration

Test Items	Band	Test Channel			Bandwidth (MHz)												Modulation DFT-S-OFDM					Modulation CP-OFDM				RB #		
		Low	Mid	High	5	10	15	20	25	30	40	50	60	70	80	90	100	BPSK	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	1	Half	Full
Conducted Output Power	n25/2	V	V	V	V	V	V	V	V	V	V							V	V	V	V	V	V	V	-	-	V	V	V
	n5	V	V	V	V	V	V	V										V	V	V	V	V	V	V	-	-	V	V	V
	n7	V	V	V	V	V	V	V										V	V	V	V	V	V	V	-	-	V	V	V
	n12	V	V	V	V	V	V											V	V	V	V	V	V	V	-	-	V	V	V
	n66	V	V	V	V	V	V	V	V	V	V							V	V	V	V	V	V	V	-	-	V	V	V
	n71	V	V	V	V	V	V	V										V	V	V	V	V	V	V	-	-	V	V	V
Frequency Stability	n25/2	-	V	-	V	-	-	-	-	-	-							-	V	-	-	-	-	-	-	-	-	-	V
	n5	-	V	-	V	-	-	-										-	V	-	-	-	-	-	-	-	-	-	V
	n7	-	V	-	V	-	-	-										-	V	-	-	-	-	-	-	-	-	-	V
	n12	-	V	-	V	-	-											-	V	-	-	-	-	-	-	-	-	-	V
	n66	-	V	-	V	-	-	-	-	-	-							-	V	-	-	-	-	-	-	-	-	-	V
	n71		V		V	-	-	-										-	V	-	-	-	-	-	-	-	-	-	V
Occupied Bandwidth	n25/2	-	V	-	V	V	V	V	V	V	V							V	V	V	-	-	V	V	-	-	-	-	V
	n5	-	V	-	V	V	V	V										V	V	V	-	-	V	V	-	-	-	-	V
	n7	-	V	-	V	V	V	V										V	V	V	-	-	V	V	-	-	-	-	V
	n12	-	V	-	V	V	V											V	V	V	-	-	V	V	-	-	-	-	V
	n66	-	V	-	V	V	V	V	V	V	V							V	V	V	-	-	V	V	-	-	-	-	V
	n71	-	V	-	V	V	V	V										V	V	V	-	-	V	V	-	-	-	-	V
Peak-to-Average Ratio	n25/2	V	V	V	V	V	V	V	V	V	V							-	-	-	-	V	-	-	-	V	-	-	V
	n5	V	V	V	V	V	V	V										-	-	-	-	V	-	-	-	V	-	-	V
	n7	V	V	V	V	V	V	V										-	-	-	-	V	-	-	-	V	-	-	V
	n12	V	V	V	V	V	V											-	-	-	-	V	-	-	-	V	-	-	V
	n66	V	V	V	V	V	V	V	V	V	V							-	-	-	-	V	-	-	-	V	-	-	V
	n71	V	V	V	V	V	V	V										-	-	-	-	V	-	-	-	V	-	-	V
Band edge	n25/2	V	-	V	V	V	V	V	V	V	V							-	V	V	-	-	V	V	-	-	V	-	V
	n5	V	-	V	V	V	V	V										-	V	V	-	-	V	V	-	-	V	-	V
	n7	V	-	V	V	V	V	V										-	V	V	-	-	V	V	-	-	V	-	V
	n12	V	-	V	V	V	V											-	V	V	-	-	V	V	-	-	V	-	V
	n66	V	-	V	V	V	V	V	V	V	V							-	V	V	-	-	V	V	-	-	V	-	V
	n71	V	-	V	V	V	V	V										-	V	V	-	-	V	V	-	-	V	-	V
Spurious at antenna terminal & Radiated Spurious Emissions	n25/2	V	V	V	Worst case																								
	n5	V	V	V	Worst case																								
	n7	V	V	V	Worst case																								
	n12	V	V	V	Worst case																								
	n66	V	V	V	Worst case																								
	n71	V	V	V	Worst case																								

ENDC

Test Items	Band	Test Channel			Bandwidth (MHz)												Modulation DFT-S-OFDM					Modulation CP-OFDM				RB #		
		Low	Mid	High	5	10	15	20	25	30	40	50	60	70	80	90	100	BPSK	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	1	Half	Full
Conducted Output Power	n2	V	V	V	V	V	V	V	V	V	V							V	V	-	-	-	-	-	-	-	V	-	-
	n5	V	V	V	V	V	V	V										V	V	-	-	-	-	-	-	-	V	-	-
	n66	V	V	V	V	V	V	V	V	V	V							V	V	-	-	-	-	-	-	-	V	-	-
	n71	V	V	V	V	V	V	V										V	V	-	-	-	-	-	-	-	V	-	-
Spurious Radiated Emission	n2	V	V	V	Worst case																								
	n5	V	V	V	Worst case																								
	n66	V	V	V	Worst case																								
	n71	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

NR Band	SCS (㎑)	Bandwidth (㎒)	Modulation	Resource Block Allocation
				RBs allocated
n25/2	15	40	DFT-S OFDM - QPSK	1
n5	15	20	DFT-S OFDM - QPSK	1
n7	15	20	DFT-S OFDM - BPSK	1
n12	15	15	DFT-S OFDM - QPSK	1
n66	15	20	DFT-S OFDM - BPSK	1
n71	15	20	DFT-S OFDM - QPSK	1

ENDC

NR Band	SCS (㎑)	Bandwidth (㎒)	Modulation	Resource Block Allocation
				RBs allocated
5A-n2A	15	10-40	DFT-S OFDM - QPSK	1
7A-n5A	15	20-20	DFT-S OFDM - QPSK	1
5A-n66A	15	10-20	DFT-S OFDM - BPSK	1
66A-n71A	15	20-20	DFT-S OFDM - QPSK	1

1.13. Measurement Uncertainty

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

Parameter	Uncertainty	
RF Output Power	0.33 dB	
Occupied Bandwidth	0.05 ㎒	
Conducted Spurious Emissions	0.99 dB	
Peak to Average Ratio	0.66 dB	
Frequency Stability	116 ㎐	
Radiated Emission, 9 ㎑ to 30 ㎒	H	3.60 dB
	V	3.60 dB
7Radiated Emission, below 1 ㎓	H	4.60 dB
	V	4.90 dB
Radiated Emission, above 1 ㎓	H	3.90 dB
	V	3.80 dB

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

1.14. Test Report Revision

Revision	Report Number	Date of Issue	Description
0	F690501-RF-RTL004922	2024.03.29	Initial

1.15. Antenna Information

Ant. No.	Ant. Type	Frequency Range	Support Band		
			LTE	NR	WCDMA
Ant. 1	PIFA	Below 3 ㎓	2, 4, 5, 7, 12, 13, 17, 25, 26, 38, 66, 71	2, 5, 7, 12, 25, 41, 66, 71	Ⅱ, Ⅴ
Ant. 2	PIFA	Above 3 ㎓	42, 48	48, 77, 78	
Ant. 3	PIFA	Below 3 ㎓	2, 4, 5, 7, 12, 13, 17, 25, 26, 38, 66, 71	2, 5, 7, 12, 25, 41, 66, 71	Ⅱ, Ⅴ

Band	Operating Frequency (㎒)	Antenna Peak Gain (dBi)		
		Ant. 1	Ant. 2	Ant. 3
LTE 25/2 WCDMA Ⅱ NR 25/2	1 850 ~ 1 915	**1.86**		-0.32
LTE 66/4 NR 66	1 710 ~ 1 780	**1.37**		-0.03
LTE 26/5 WCDMA Ⅴ NR 5	824 ~ 849	**-2.43**		-3.16
LTE 7 NR 7	2 500 ~ 2 570	0.92		**2.79**
LTE 12/17 NR 12	699 ~ 716	-3.98		**-1.20**
LTE 13	777 ~ 787	-4.60		**-3.16**
LTE 26	814 ~ 824	**-2.43**		-3.16
LTE 38	2 570 ~ 2 620	0.92		**2.79**
LTE 42	3 450 ~ 3 600		**-1.37**	
LTE 48 NR 48	3 550 ~ 3 700		**-1.37**	
LTE 71 NR 71	663 ~ 698	-2.45		**-1.60**
NR 41	2 496 ~ 2 690	0.92		**2.79**
NR 77	3 450 ~ 3 550		**0.12**	
	3 700 ~ 3 980		**0.12**	
NR 78	3 450 ~ 3 550		**0.12**	
	3 700 ~ 3 800		**0.12**	

1.16. Emission Designator and Max Power

NR Band	Band width (㎒)	Modulation		Low Freq. (㎒)	Upper Freq. (㎒)	Conducted Average (㏈m)	Worst Ant. Gain (㏈i)	E.R.P. / E.I.R.P. Average (㏈m)	E.R.P. / E.I.R.P. Average (W)	Emission Designator
n25/2	5	DFT-S OFDM	BPSK	1 852.5	1 912.5	23.57	1.86	25.43	0.349	4M49G7D
			QPSK			23.59		25.45	0.351	4M50G7D
			16QAM			22.55		24.41	0.276	4M52D7D
		CP OFDM	QPSK			22.17		24.03	0.253	4M52G7D
			16QAM			21.61		23.47	0.222	4M52D7D
	10	DFT-S OFDM	BPSK	1 855.0	1 910.0	23.62		25.48	0.353	8M91G7D
			QPSK			23.70		25.56	0.360	8M93G7D
			16QAM			22.72		24.58	0.287	8M95D7D
		CP OFDM	QPSK			22.40		24.26	0.267	9M27G7D
			16QAM			21.77		23.63	0.231	9M29D7D
	15	DFT-S OFDM	BPSK	1 857.5	1 907.5	23.58		25.44	0.350	13M5G7D
			QPSK			23.58		25.44	0.350	13M5G7D
			16QAM			22.76		24.62	0.290	13M5D7D
		CP OFDM	QPSK			22.49		24.35	0.272	14M2G7D
			16QAM			21.87		23.73	0.236	14M1D7D
	20	DFT-S OFDM	BPSK	1 860.0	1 905.0	23.68		25.54	0.358	17M9G7D
			QPSK			23.74		25.6	0.363	17M9G7D
			16QAM			22.61		24.47	0.280	17M9D7D
		CP OFDM	QPSK			22.42		24.28	0.268	18M9G7D
			16QAM			21.84		23.7	0.234	19M0D7D
	25	DFT-S OFDM	BPSK	1 862.5	1 902.5	23.73		25.59	0.362	23M4G7D
			QPSK			23.73		25.59	0.362	23M4G7D
			16QAM			22.76		24.62	0.290	23M4D7D
		CP OFDM	QPSK			22.50		24.36	0.273	24M2G7D
			16QAM			21.89		23.75	0.237	24M2D7D
	30	DFT-S OFDM	BPSK	1 865.0	1 900.0	23.63		25.49	0.354	29M0G7D
			QPSK			23.67		25.53	0.357	28M9G7D
			16QAM			22.66		24.52	0.283	28M9D7D
		CP OFDM	QPSK			22.59		24.45	0.279	28M9G7D
			16QAM			21.96		23.82	0.241	28M9D7D
	40	DFT-S OFDM	BPSK	1 870.0	1 895.0	23.65		25.51	0.356	38M8G7D
			QPSK			23.75		25.61	0.364	39M0G7D
			16QAM			22.66		24.52	0.283	38M8D7D
		CP OFDM	QPSK			22.45		24.31	0.270	38M8G7D
			16QAM			22.28		24.14	0.259	38M7D7D
n5	5	DFT-S OFDM	BPSK	826.5	846.5	22.90	-2.43	18.32	0.068	4M48G7D
			QPSK			22.90		18.32	0.068	4M48G7D
			16QAM			21.80		17.22	0.053	4M49D7D
		CP OFDM	QPSK			21.50		16.92	0.049	4M50G7D
			16QAM			20.90		16.32	0.043	4M51D7D
	10	DFT-S OFDM	BPSK	829.0	844.0	22.88		18.30	0.068	8M93G7D
			QPSK			22.89		18.31	0.068	8M93G7D
			16QAM			21.78		17.20	0.052	8M97D7D
		CP OFDM	QPSK			21.50		16.92	0.049	9M29G7D
			16QAM			20.85		16.27	0.042	9M27D7D
	15	DFT-S OFDM	BPSK	831.5	841.5	22.90		18.32	0.068	13M5G7D
			QPSK			22.90		18.32	0.068	13M5G7D
			16QAM			21.74		17.16	0.052	13M5D7D
		CP OFDM	QPSK			21.50		16.92	0.049	14M1G7D
			16QAM			20.89		16.31	0.043	14M1D7D
	20	DFT-S OFDM	BPSK	834.0	839.0	22.92		18.34	0.068	17M9G7D
			QPSK			23.01		18.43	0.070	17M9G7D
			16QAM			21.77		17.19	0.052	17M9D7D
		CP OFDM	QPSK			21.50		16.92	0.049	18M9G7D
			16QAM			20.91		16.33	0.043	18M9D7D

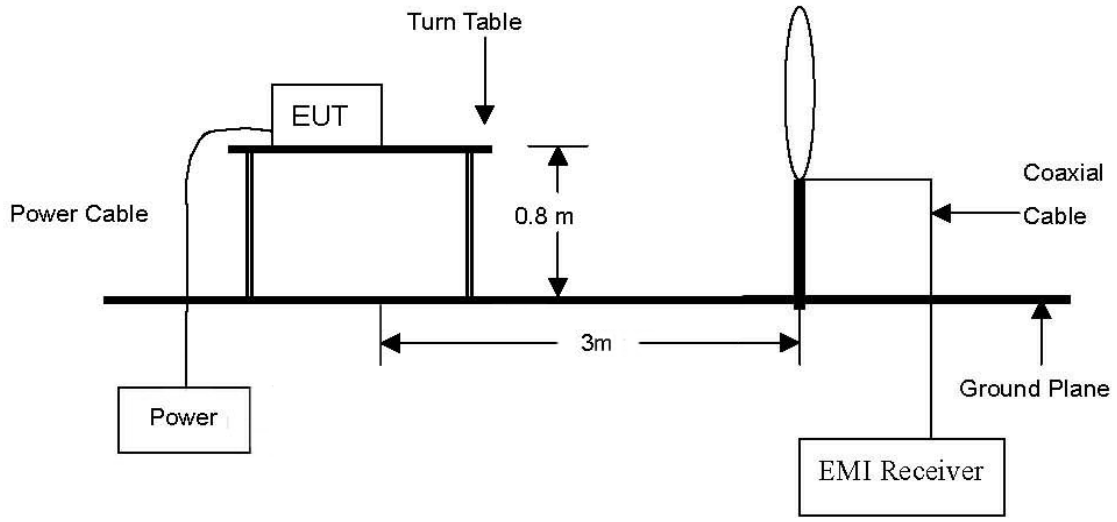
NR Band	Band width (㎒)	Modulation		Low Freq. (㎒)	Upper Freq. (㎒)	Conducted Average (㏈m)	Worst Ant. Gain (㏈i)	E.R.P. / E.I.R.P. Average (㏈m)	E.R.P. / E.I.R.P. Average (W)	Emission Designator
n7	5	DFT-S OFDM	BPSK	2 502.5	2 567.5	23.78	2.79	26.57	0.454	4M48G7D
			QPSK			23.81		26.60	0.457	4M49G7D
			16QAM			22.67		25.46	0.352	4M51D7D
		CP OFDM	QPSK			22.45		25.24	0.334	4M51G7D
			16QAM			21.85		24.64	0.291	4M52D7D
	10	DFT-S OFDM	BPSK	2 505.0	2 565.0	23.83		26.62	0.459	8M91G7D
			QPSK			23.84		26.63	0.460	8M95G7D
			16QAM			22.75		25.54	0.358	8M95D7D
		CP OFDM	QPSK			22.54		25.33	0.341	9M29G7D
			16QAM			21.95		24.74	0.298	9M27D7D
	15	DFT-S OFDM	BPSK	2 507.5	2 562.5	23.49		26.28	0.425	13M5G7D
			QPSK			23.54		26.33	0.430	13M5G7D
			16QAM			22.44		25.23	0.333	13M5D7D
		CP OFDM	QPSK			22.20		24.99	0.316	14M2G7D
			16QAM			21.58		24.37	0.274	14M1D7D
	20	DFT-S OFDM	BPSK	2 510.0	2 560.0	23.85		26.64	0.461	17M9G7D
			QPSK			23.57		26.36	0.433	17M9G7D
			16QAM			22.40		25.19	0.330	17M9D7D
		CP OFDM	QPSK			22.17		24.96	0.313	18M9G7D
			16QAM			21.54		24.33	0.271	19M0D7D
n12	5	DFT-S OFDM	BPSK	701.5	713.5	22.92	-1.20	19.57	0.091	4M51G7D
			QPSK			22.94		19.59	0.091	4M48G7D
			16QAM			21.73		18.38	0.069	4M51D7D
		CP OFDM	QPSK			21.46		18.11	0.065	4M51G7D
			16QAM			20.89		17.54	0.057	4M51D7D
	10	DFT-S OFDM	BPSK	704.0	711.0	22.86		19.51	0.089	8M91G7D
			QPSK			22.92		19.57	0.091	8M93G7D
			16QAM			21.78		18.43	0.070	8M95D7D
		CP OFDM	QPSK			21.51		18.16	0.065	9M29G7D
			16QAM			20.92		17.57	0.057	9M29D7D
	15	DFT-S OFDM	BPSK	706.5	708.5	22.84		19.49	0.089	13M5G7D
			QPSK			22.96		19.61	0.091	13M5G7D
			16QAM			21.85		18.50	0.071	13M5D7D
		CP OFDM	QPSK			21.55		18.20	0.066	13M5G7D
			16QAM			20.92		17.57	0.057	14M1D7D

NR Band	Band width (㎒)	Modulation		Low Freq. (㎒)	Upper Freq. (㎒)	Conducted Average (㏈m)	Worst Ant. Gain (㏈i)	E.R.P. / E.I.R.P. Average (㏈m)	E.R.P. / E.I.R.P. Average (W)	Emission Designator
n66	5	DFT-S OFDM	BPSK	1 712.5	1 777.5	23.30	1.37	24.67	0.293	4M49G7D
			QPSK			23.35		24.72	0.296	4M49G7D
			16QAM			22.21		23.58	0.228	4M52D7D
		CP OFDM	QPSK			21.78		23.15	0.207	4M51G7D
			16QAM			21.23		22.60	0.182	4M51D7D
	10	DFT-S OFDM	BPSK	1 715.0	1 775.0	23.32		24.69	0.294	8M91G7D
			QPSK			23.33		24.70	0.295	8M93G7D
			16QAM			22.23		23.60	0.229	8M97D7D
		CP OFDM	QPSK			21.90		23.27	0.212	9M29G7D
			16QAM			21.30		22.67	0.185	9M27D7D
	15	DFT-S OFDM	BPSK	1 717.5	1 772.5	23.40		24.77	0.300	13M5G7D
			QPSK			23.38		24.75	0.299	13M5G7D
			16QAM			22.30		23.67	0.233	13M5D7D
		CP OFDM	QPSK			21.92		23.29	0.213	14M2G7D
			16QAM			21.32		22.69	0.186	14M1D7D
	20	DFT-S OFDM	BPSK	1 720.0	1 770.0	23.54		24.91	0.310	17M9G7D
			QPSK			23.40		24.77	0.300	17M9G7D
			16QAM			22.37		23.74	0.237	17M9D7D
		CP OFDM	QPSK			21.80		23.17	0.207	19M0G7D
			16QAM			21.25		22.62	0.183	19M0D7D
	25	DFT-S OFDM	BPSK	1 722.5	1 767.5	23.48		24.85	0.305	22M9G7D
			QPSK			23.47		24.84	0.305	22M9G7D
			16QAM			22.55		23.92	0.247	22M9D7D
		CP OFDM	QPSK			22.06		23.43	0.220	23M8G7D
			16QAM			21.41		22.78	0.190	23M8D7D
	30	DFT-S OFDM	BPSK	1 725.0	1 765.0	23.45		24.82	0.303	28M6G7D
			QPSK			23.43		24.80	0.302	28M6G7D
			16QAM			22.40		23.77	0.238	28M6D7D
		CP OFDM	QPSK			21.91		23.28	0.213	28M6G7D
			16QAM			21.29		22.66	0.185	28M6D7D
	40	DFT-S OFDM	BPSK	1 730.0	1 760.0	23.54		24.91	0.310	38M6G7D
			QPSK			23.55		24.92	0.310	38M8G7D
			16QAM			22.32		23.69	0.234	38M7D7D
		CP OFDM	QPSK			21.90		23.27	0.212	38M6G7D
			16QAM			21.30		22.67	0.185	38M6D7D
n71	5	DFT-S OFDM	BPSK	665.5	695.5	22.87	-1.60	19.12	0.082	4M49G7D
			QPSK			22.89		19.14	0.082	4M51G7D
			16QAM			21.83		18.08	0.064	4M50D7D
		CP OFDM	QPSK			21.40		17.65	0.058	4M51G7D
			16QAM			20.85		17.10	0.051	4M50D7D
	10	DFT-S OFDM	BPSK	668.0	693.0	22.75		19.00	0.079	8M89G7D
			QPSK			22.90		19.15	0.082	8M93G7D
			16QAM			21.83		18.08	0.064	8M93D7D
		CP OFDM	QPSK			21.45		17.70	0.059	9M27G7D
			16QAM			20.84		17.09	0.051	9M25D7D
	15	DFT-S OFDM	BPSK	670.5	690.5	22.83		19.08	0.081	13M4G7D
			QPSK			22.85		19.10	0.081	13M5G7D
			16QAM			21.81		18.06	0.064	13M5D7D
		CP OFDM	QPSK			21.38		17.63	0.058	14M2G7D
			16QAM			20.76		17.01	0.050	14M1D7D
	20	DFT-S OFDM	BPSK	673.0	688.0	22.87		19.12	0.082	17M9G7D
			QPSK			22.98		19.23	0.084	17M9G7D
			16QAM			21.74		17.99	0.063	17M9D7D
		CP OFDM	QPSK			21.39		17.64	0.058	18M9G7D
			16QAM			20.80		17.05	0.051	18M9D7D

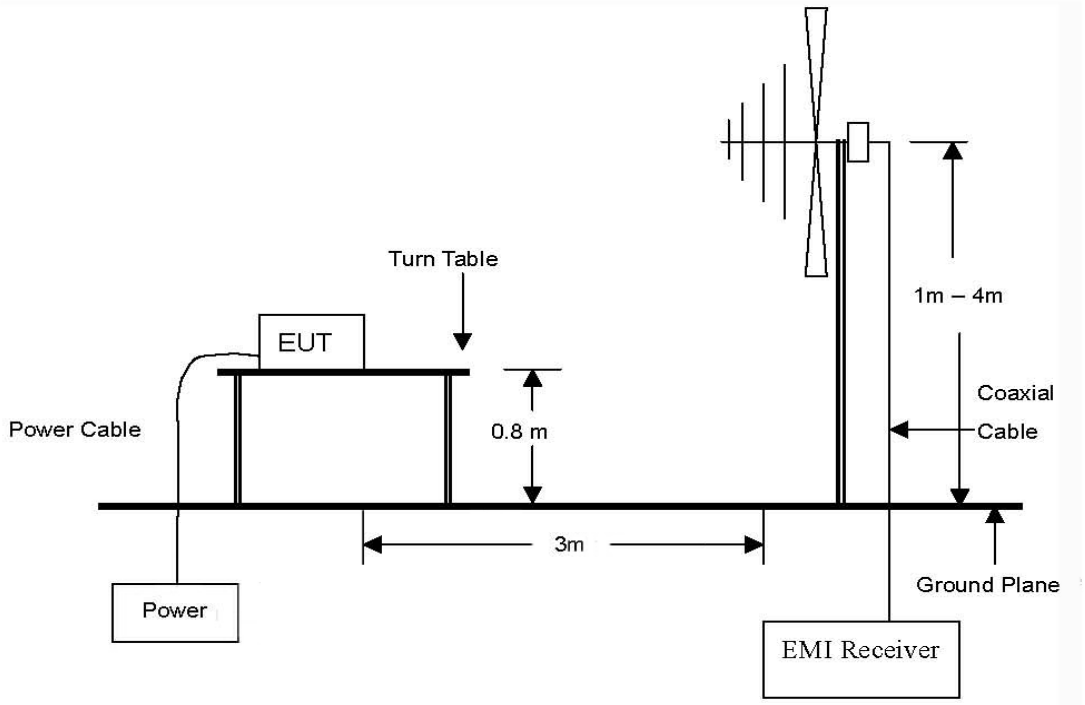
2. E.R.P. / E.I.R.P. & Radiated Spurious Emissions

2.1. Test setup

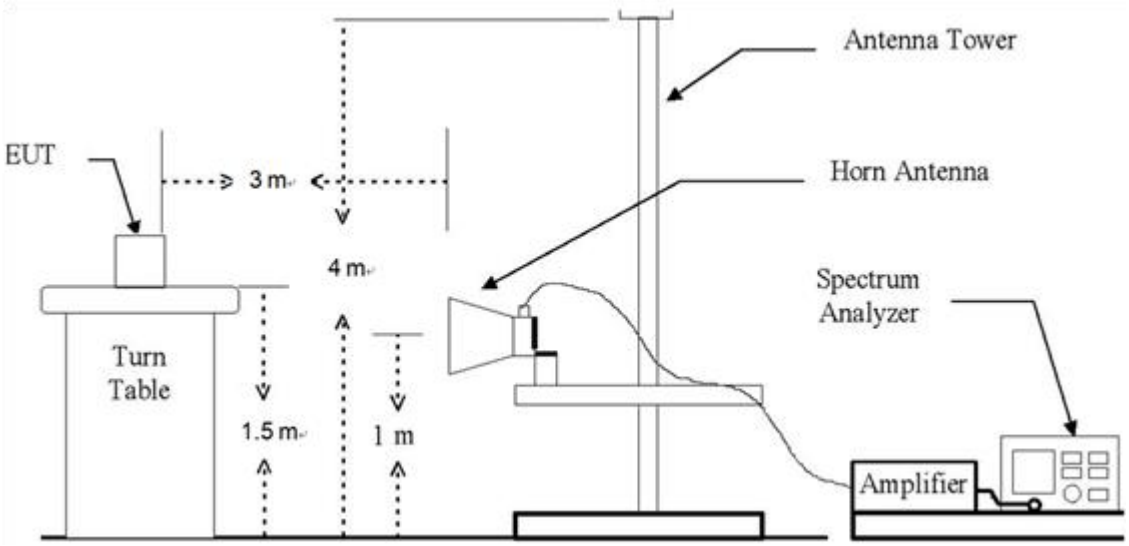
The diagram below shows the test setup that is utilized to make the measurements for emission from 9 ㎑ to 30 ㎒.



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



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



2.2. Limit

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

FCC

- §22.913(a)(5), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

- §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

- §27.50(c)(9), Portable stations (hand-held devices) transmitting in the 746-757 ㎒, 776-788 ㎒, and 805-806 ㎒ bands are limited to 3 watts ERP.

- §27.50(c)(10), portable stations (hand-held devices) in the 600 ㎒ uplink band and the 698-746 ㎒ band, and fixed and mobile stations in the 600 ㎒ uplink band are limited to 3 watts ERP.

- §27.50(d)(4), fixed, mobile, and portable (hand-held) stations operating in the 1 710-1 755 ㎒ band and mobile and portable stations operating in the 1 695-1 710 ㎒ and 1 755-1 780 ㎒ bands are limited to 1 watt EIRP.

- §27.50(h)(2), Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

IC

- RSS-130 Issue 2

4.6.2, the e.r.p. shall not exceed 3 watts for mobile equipment, fixed subscriber equipment and portable equipment.
For base and fixed equipment other than fixed subscriber equipment, refer to SRSP-518 for the equivalent isotropically radiated power (e.i.r.p.) limits.

4.6.3, the e.r.p. shall not exceed 30 watts for mobile equipment and outdoor fixed subscriber equipment. The e.r.p. shall not exceed 3 watts for portable equipment and indoor fixed subscriber equipment.
For base and fixed equipment other than fixed subscriber equipment, refer to SRSP-518 for the e.i.r.p. limits.

- RSS-132 Issue 4

5.4, the transmitter output power shall be measured in terms of average power. The equivalent radiated power (e.r.p.) shall not exceed 7 watts for mobile equipment and 3 watts for portable equipment.
The effective isotropic radiated power (e.i.r.p.) shall not exceed the limits specified in SRSP-503 for base station equipment.

- RSS-133 Issue 6

6.4, the equivalent isotropically radiated power (e.i.r.p.) for transmitters shall not exceed the limits given in SRSP-510. Mobile stations and hand-held portables are limited to 2 watts maximum e.i.r.p. The equipment shall employ means to limit the power to the minimum necessary for successful communication.

- RSS-139 Issue 4

5.5, The maximum output power of the equipment shall comply with the limits specified below. In the tables, maximum power refers to the equivalent isotropically radiated power (e.i.r.p.) or total radiated power (TRP), measured in terms of average values.

Table 3: Maximum power of equipment in the band 1 710-1 780 ㎒

Equipment type	Maximum power
Fixed station and base station	30 ㏈m e.i.r.p./ channel bandwidth
Subscriber equipment	30 ㏈m e.i.r.p./ channel bandwidth

- RSS-199 Issue 4
5.5, the maximum output power of the equipment shall comply with the limits specified in table 3. In this table, maximum power refers to the equivalent isotropically radiated power (e.i.r.p.) or total radiated power (TRP), measured in terms of average values.
Subscriber equipment other than fixed subscriber equipment shall not exceed an e.i.r.p of 2W per channel bandwidth.

Fixed subscriber equipment shall not exceed the following:

I. conducted power of 2W per channel bandwidth for all ports
II. e.i.r.p of 40 W per channel bandwidth

The maximum power limits for fixed station and base station are provided in Table 3. The limits in this RSS are specified for the purpose of certification and may not apply to all deployment scenarios. Consult SRSP-517 for more deployment details in the band 2 500-2 690 ㎒.

Table 3: Maximum power of fixed station and base station in the band 2 500-2 690 ㎒

Equipment type	Maximum power
Non-AAS fixed station and base station	e.i.r.p of 1 640 W / ㎒
AAS fixed station and base station	TRP of 43 dB m / ㎒

2.2.2. Limit of Radiated Spurious Emissions

FCC

- §22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) ㏈.

- §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) ㏈.

- §27.53(g), the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) ㏈.

- §27.53(h)(1), for operations in the 1 695-1 710 ㎒, 1 710-1 755 ㎒, 1 755-1 780 ㎒, 1 915-1 920 ㎒, 1 995-2 000 ㎒, 2 000-2 020 ㎒, 2 110-2 155 ㎒, 2 155-2 180 ㎒, and 2 180-2 200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) ㏈.

- §27.53(m)(4), for mobile digital stations, the attenuation factor shall be not less than 40 + 10 $\log_{10}$ (P) ㏈ on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 $\log_{10}$ (P) ㏈ on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 $\log_{10}$ (P) ㏈ on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 $\log_{10}$ (P) ㏈ on all frequencies between 2 490.5 ㎒ and 2 496 ㎒ and 55 + 10 $\log_{10}$ (P) ㏈ at or below 2 490.5 ㎒. Mobile Satellite Service licensees operating on frequencies below 2 495 ㎒ may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

IC

- RSS-130 Issue 2

4.7.1, the unwanted emissions in any 100 ㎑ bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (㏈ W), by at least 43 + 10 $\log_{10}$ p (watts), ㏈. However, in the 100 ㎑ band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 ㎑ may be employed.

4.7.2, in addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 ㎒ and 777-787 ㎒ shall also comply with the following restrictions:

a) The power of any unwanted emissions in any 6.25 ㎑ bandwidth for all frequencies between 763-775 ㎒ and 793-806 ㎒ shall be attenuated below the transmitter power, P (㏈ W), by at least:

(i) 76 + 10 $\log_{10}$ p (watts), ㏈, for base and fixed equipment, and
(ii) 65 + 10 $\log_{10}$ p (watts), ㏈, for mobile and portable equipment.

b) The e.i.r.p. in the band 1 559-1 610 ㎒ shall not exceed -70 ㏈ W /㎒ for wideband signal and -80 ㏈ W for discrete emission with bandwidth less than 700 ㎐.

- RSS-132 Issue 4

5.5, Equipment shall meet the unwanted emission limits specified below.
(i) In the first 1.0 ㎒ band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1 % of the occupied bandwidth shall be attenuated below the transmitter output power P (㏈ W) by at least 43 + 10 log(p) ㏈.

(ii) After the first 1.0 ㎒ immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 ㎑ bandwidth shall be attenuated below the transmitter output power P (㏈ W) by at least 43 + 10 log(p) ㏈. If the measurement is performed using 1 % of the occupied bandwidth, power integration over 100 ㎑ is required.

- RSS-133 Issue 6

6.5, Equipment shall comply with the limits in (i) and (ii) below.

(i) In the 1.0 ㎒ bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1 % of the emission bandwidth shall be attenuated (in ㏈) below the transmitter output power P (㏈ W) by at least 43 + 10 $\log_{10}$ p(watts).

(ii) After the first 1.0 ㎒, the emission power in any 1 ㎒ bandwidth shall be attenuated (in ㏈) below the transmitter output power P (㏈ W) by at least 43 + 10 $\log_{10}$ p(watts). If the measurement is performed using 1 % of the emission bandwidth, power integration over 1.0 ㎒ is required.

- RSS-139 Issue 4

5.6, Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 6.

Table 6: Unwanted emission limits

Offset from the edge of the frequency block or frequency block group	Unwanted emission limit
≤1 ㎒	-13 ㏈m/(1% of OB)*
>1 ㎒	-13 ㏈m

* OB is the occupied bandwidth

- RSS-199 Issue 4
5.6, unwanted emissions shall be measured in terms of average values when the transmitter is operating at the manufacturer's rated power and modulated as specified in RSS-Gen.

Equipment shall meet the unwanted emission limits, specified below, outside each frequency block group. For each channel bandwidth supported by the equipment under test, the unwanted emissions shall be measured and reported for two channel frequencies: one located as close as possible to the low end and one located as close as possible to the high end of the equipment's operating frequency range.

For the unwanted emission limits, in the 1 ㎒ band immediately outside and adjacent to the frequency block group, the power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth for fixed stations, base stations, and fixed subscriber equipment, and 2 % for subscriber equipment other than fixed subscriber equipment. Beyond this 1 ㎒ band, a resolution bandwidth of 1 ㎒ shall be used. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full required measurement bandwidth of 1 ㎒, or 1 % or 2 % of the occupied bandwidth, as applicable.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the tables below.

Table 4: Unwanted emission limits for fixed station, base station and fixed subscriber equipment

Offset from the edge of the frequency block or frequency block group (㎒)	Unwanted emission limit
≤1	-13 ㏈m/(1% of OB*)
>1	-13 ㏈m/㎒

* OB is the occupied bandwidth

Table 5: Unwanted emission limits for subscriber equipment other than fixed subscriber equipment

Offset from the edge of the frequency block or frequency block group (㎒)	Unwanted emission limit
0-1	-10 ㏈m/(2% of OB*)
1-5	-10 ㏈m/㎒
5-X**	-13 ㏈m/㎒
≥X	-25 ㏈m/㎒

* OB is the occupied bandwidth
** X is 6 ㎒ or the equipment occupied bandwidth, whichever is greater

In addition to complying with the limits in table 5, subscriber equipment other than fixed subscriber equipment shall not exceed -13 ㏈m/㎒ on all frequencies between 2 490.5 ㎒ and 2 496 ㎒,and -25 ㏈m/㎒ at or below 2 490.5 ㎒.

2.3. Test Procedure

2.3.1. E.R.P. or E.I.R.P. from conducted RF output power

According to subclause 5.2.5.5 of ANSI C63.26-2015 E.R.P. and E.I.R.P. are defined as the product of the power supplied to the antenna and its gain.

The relevant equation for determining the E.R.P. or E.I.R.P. from the conducted RF output power measured using the guidance provided above is:

E.R.P. or E.I.R.P. = $P_{Meas} + G_T$

where:
E.R.P. or E.I.R.P. = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, typically dBW or dBm);
P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;
G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

2.3.2. Radiated Spurious Emissions

The test 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. 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 ≥ 3 x RBW,
   Detector = RMS, trace mode = max hold, per the guidelines of KDB 971168 D01 Power Meas License Digital Systems v03r01.
5. The transmitter shall be switched on, the measuring receiver shall be tuned to the frequency of the transmitter under test.
6. 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.
7. The transmitter shall be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
8. 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.
9. The maximum signal level detected by the measuring receiver shall be noted.
10. In necessary, the input attenuator setting on the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
11. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.
12. The measurement shall be repeated with the test antenna orientated for horizontal polarization.

2.4. Test Results

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

2.4.1. E.R.P. / E.I.R.P.

Band	Frequency (㎒)	Maximum Conducted Power (dB m)	Maximum Conducted Power (W)	Worst Antenna Gain (dB i)	Maximum E.I.R.P. (dB m)	Maximum E.I.R.P. (W)	Maximum E.R.P. (dB m)	Maximum E.R.P. (W)	Output Power Limit
n25/2	1 850 ~ 1 915	23.75	0.237	1.86	25.61	0.364			2 W E.I.R.P.
n5	824 ~ 849	23.01	0.200	-2.43	20.58	0.114	18.43	0.070	7 W E.R.P.
n7	2 500 ~ 2 570	23.85	0.243	2.79	26.64	0.461			2 W E.I.R.P.
n12	699 ~ 716	22.96	0.198	-1.20	21.76	0.150	19.61	0.091	30 W E.R.P.
n66	1 710 ~ 1 755	23.51	0.224	1.37	24.88	0.308			1 W E.I.R.P
n71	663 ~ 698	22.98	0.199	-1.60	21.38	0.137	19.23	0.084	3 W E.R.P

Remark;

1. E.I.R.P. (dB m) = Maximum Conducted Power (dB m) + Antenna Gain (dB i)
2. E.R.P. (dB m) = E.I.R.P. (dB m) - 2.15 (dB); where E.R.P. and E.I.R.P. are expressed in consistent units.

2.4.2. Radiated Spurious Emissions

- Ant. 1_Below 3 ㎓

NR Band 25/2 (40 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (1 870.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (1 882.5 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
High Channel (1 895.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–

NR Band 5 (20 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (834.0 ㎒)									
1 108.50	54.86	H	24.73	-38.23	41.36	-97.41	-56.05	-13	43.05
1 109.66	53.78	V	24.74	-38.21	40.31	-97.41	-57.10	-13	44.10
2 474.13	52.08	H	28.30	-33.02	47.36	-97.41	-50.05	-13	37.05
2 474.27	57.89	V	28.30	-33.01	53.18	-97.41	-44.23	-13	31.23
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (836.5 ㎒)									
1 108.70	56.27	H	24.73	-38.23	42.77	-97.41	-54.64	-13	41.64
1 110.34	53.69	V	24.74	-38.19	40.24	-97.41	-57.17	-13	44.17
2 481.66	51.31	H	28.33	-33.36	46.28	-97.41	-51.13	-13	38.13
2 481.70	55.36	V	28.33	-33.36	50.33	-97.41	-47.08	-13	34.08
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–
High Channel (839.0 ㎒)									
1 108.91	54.93	H	24.74	-38.22	41.45	-97.41	-55.96	-13	42.96
1 109.69	53.60	V	24.74	-38.21	40.13	-97.41	-57.28	-13	44.28
2 489.08	50.41	H	28.36	-33.79	44.98	-97.41	-52.43	-13	39.43
2 488.97	54.86	V	28.36	-33.78	49.44	-97.41	-47.97	-13	34.97
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–

NR Band 7 (20 ㎒ - DFT-S-OFDM BPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (2 510.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (2 535.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
High Channel (2 560.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–

NR Band 12 (15 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (706.5 ㎒)									
1 110.10	50.19	H	24.74	-38.19	36.74	-97.41	-60.67	-13	47.67
1 109.90	50.60	V	24.74	-38.21	37.13	-97.41	-60.28	-13	47.28
1 332.61	51.37	H	25.03	-36.62	39.78	-97.41	-57.63	-13	44.63
1 332.96	52.72	V	25.03	-36.63	41.12	-97.41	-56.29	-13	43.29
1 399.09	49.43	H	25.10	-37.45	37.08	-97.41	-60.33	-13	47.33
1 399.34	48.53	V	25.10	-37.45	36.18	-97.41	-61.23	-13	48.23
2 098.83	52.25	H	27.90	-33.68	46.47	-97.41	-50.94	-13	37.94
2 099.06	59.90	V	27.90	-33.67	54.13	-97.41	-43.28	-13	30.28
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (707.5 ㎒)									
1 108.90	51.43	H	24.74	-38.22	37.95	-97.41	-59.46	-13	46.46
1 109.80	49.84	V	24.74	-38.21	36.37	-97.41	-61.04	-13	48.04
1 333.06	51.26	H	25.03	-36.63	39.66	-97.41	-57.75	-13	44.75
1 333.02	52.84	V	25.03	-36.63	41.24	-97.41	-56.17	-13	43.17
1 401.16	48.46	H	25.10	-37.45	36.11	-97.41	-61.30	-13	48.30
1 401.38	51.36	V	25.10	-37.45	39.01	-97.41	-58.40	-13	45.40
2 102.00	54.61	H	27.89	-33.70	48.80	-97.41	-48.61	-13	35.61
2 101.98	60.93	V	27.89	-33.70	55.12	-97.41	-42.29	-13	29.29
Above 2 200.00	Not detected	–	–	–	–	–	–	–	–
High Channel (708.5 ㎒)									
1 109.80	51.05	H	24.74	-38.21	37.58	-97.41	-59.83	-13	46.83
1 108.80	49.77	V	24.74	-38.23	36.28	-97.41	-61.13	-13	48.13
1 332.80	51.80	H	25.03	-36.62	40.21	-97.41	-57.20	-13	44.20
1 332.86	52.15	V	25.03	-36.63	40.55	-97.41	-56.86	-13	43.86
1 403.15	48.80	H	25.11	-37.44	36.47	-97.41	-60.94	-13	47.94
1 403.36	48.99	V	25.11	-37.43	36.67	-97.41	-60.74	-13	47.74
2 104.88	54.75	H	27.87	-33.75	48.87	-97.41	-48.54	-13	35.54
2 105.04	59.17	V	24.74	-38.21	37.58	-97.41	-59.83	-13	46.83
Above 2 200.00	Not detected	–	–	–	–	–	–	–	–

NR Band 66 (20 ㎒ - DFT-S-OFDM BPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (1 720.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (1 745.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
High Channel (1 770.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–

NR Band 71 (20 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (673.0 ㎒)									
1 109.30	52.70	H	24.74	-38.22	39.22	-97.41	-58.19	-13	45.19
1 109.00	50.17	V	24.74	-38.22	36.69	-97.41	-60.72	-13	47.72
1 364.52	50.24	H	25.03	-37.49	37.78	-97.41	-59.63	-13	46.63
1 364.64	45.88	V	25.03	-37.49	33.42	-97.41	-63.99	-13	50.99
2 046.85	55.18	H	27.79	-34.51	48.46	-97.41	-48.95	-13	35.95
2 046.69	60.13	V	27.79	-34.51	53.41	-97.41	-44.00	-13	31.00
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (680.5 ㎒)									
1 109.40	53.35	H	24.74	-38.21	39.88	-97.41	-57.53	-13	44.53
1 109.80	50.58	V	24.74	-38.21	37.11	-97.41	-60.30	-13	47.30
1 379.63	51.51	H	25.06	-37.58	38.99	-97.41	-58.42	-13	45.42
1 379.46	47.49	V	25.06	-37.58	34.97	-97.41	-62.44	-13	49.44
2 069.35	56.23	H	27.84	-34.13	49.94	-97.41	-47.47	-13	34.47
2 069.30	61.57	V	27.84	-34.13	55.28	-97.41	-42.13	-13	29.13
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
High Channel (688.0 ㎒)									
1 108.65	52.89	H	24.73	-38.23	39.39	-97.41	-58.02	-13	45.02
1 109.40	50.20	V	24.74	-38.21	36.73	-97.41	-60.68	-13	47.68
1 394.58	49.71	H	25.09	-37.49	37.31	-97.41	-60.10	-13	47.10
1 394.55	46.97	V	25.09	-37.49	34.57	-97.41	-62.84	-13	49.84
2 091.85	57.56	H	27.88	-33.77	51.67	-97.41	-45.74	-13	32.74
2 091.79	62.20	V	27.88	-33.77	56.31	-97.41	-41.10	-13	28.10
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–

- Ant. 3_Below 3 ㎓

NR Band 25/2 (40 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (1 870.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (1 882.5 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
High Channel (1 895.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–

NR Band 5 (20 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (834.0 ㎒)									
1 332.86	48.48	H	25.03	-36.63	36.88	-97.41	-60.53	-13	47.53
1 332.86	48.32	V	25.03	-36.63	36.72	-97.41	-60.69	-13	47.69
1 649.40	53.11	H	25.80	-36.61	42.30	-97.41	-55.11	-13	42.11
1 649.37	51.24	V	25.79	-36.61	40.42	-97.41	-56.99	-13	43.99
2 474.30	47.46	H	28.30	-33.01	42.75	-97.41	-54.66	-13	41.66
2 474.08	48.45	V	28.30	-33.02	43.73	-97.41	-53.68	-13	40.68
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (836.5 ㎒)									
1 333.07	49.12	H	25.03	-36.64	37.51	-97.41	-59.90	-13	46.90
1 333.28	48.40	V	25.03	-36.64	36.79	-97.41	-60.62	-13	47.62
1 654.50	52.29	H	25.88	-36.53	41.64	-97.41	-55.77	-13	42.77
1 654.52	51.35	V	25.88	-36.53	40.70	-97.41	-56.71	-13	43.71
2 481.98	47.45	H	28.33	-33.38	42.40	-97.41	-55.01	-13	42.01
2 481.72	48.95	V	28.33	-33.36	43.92	-97.41	-53.49	-13	40.49
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–
High Channel (839.0 ㎒)									
1 333.04	49.56	H	25.03	-36.63	37.96	-97.41	-59.45	-13	46.45
1 333.06	49.68	V	25.03	-36.63	38.08	-97.41	-59.33	-13	46.33
1 659.37	52.03	H	25.97	-36.45	41.55	-97.41	-55.86	-13	42.86
1 659.45	51.28	V	25.97	-36.45	40.80	-97.41	-56.61	-13	43.61
2 489.02	48.05	H	28.36	-33.78	42.63	-97.41	-54.78	-13	41.78
2 489.26	48.33	V	28.36	-33.80	42.89	-97.41	-54.52	-13	41.52
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–

NR Band 7 (20 ㎒ - DFT-S-OFDM BPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (2 510.0 ㎒)									
7 502.10	40.48	H	36.10	-27.35	49.23	-95.26	-46.03	-25	21.03
7 502.08	39.48	V	36.10	-27.35	48.23	-95.26	-47.03	-25	22.03
Above 7 600.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (2 535.0 ㎒)									
7 577.07	39.22	H	36.00	-27.43	47.79	-95.26	-47.47	-25	22.47
7 577.24	39.90	V	36.00	-27.43	48.47	-95.26	-46.79	-25	21.79
Above 7 600.00	Not detected	–	–	–	–	–	–	–	–
High Channel (2 560.0 ㎒)									
7 652.15	30.73	H	36.00	-27.27	39.46	-95.26	-55.80	-25	30.80
7 652.28	35.81	V	36.00	-27.27	44.54	-95.26	-50.72	-25	25.72
Above 7 700.00	Not detected	–	–	–	–	–	–	–	–

NR Band 12 (15 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dBμV)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dBμV/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (706.5 ㎒)									
1 332.80	51.32	H	25.03	-36.62	39.73	-97.41	-57.68	-13	44.68
1 333.03	51.48	V	25.03	-36.63	39.88	-97.41	-57.53	-13	44.53
1 399.36	61.10	H	25.10	-37.45	48.75	-97.41	-48.66	-13	35.66
1 399.32	64.44	V	25.10	-37.45	52.09	-97.41	-45.32	-13	32.32
2 098.92	59.09	H	27.90	-33.67	53.32	-97.41	-44.09	-13	31.09
2 099.05	51.92	V	27.90	-33.67	46.15	-97.41	-51.26	-13	38.26
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (707.5 ㎒)									
1 333.11	50.47	H	25.03	-36.64	38.86	-97.41	-58.55	-13	45.55
1 333.12	52.42	V	25.03	-36.64	40.81	-97.41	-56.60	-13	43.60
1 401.24	61.47	H	25.10	-37.45	49.12	-97.41	-48.29	-13	35.29
1 401.32	64.68	V	25.10	-37.45	52.33	-97.41	-45.08	-13	32.08
2 102.02	59.33	H	27.89	-33.70	53.52	-97.41	-43.89	-13	30.89
2 101.89	52.88	V	27.89	-33.69	47.08	-97.41	-50.33	-13	37.33
Above 2 200.00	Not detected	–	–	–	–	–	–	–	–
High Channel (708.5 ㎒)									
1 332.77	51.50	H	25.03	-36.62	39.91	-97.41	-57.50	-13	44.50
1 332.93	52.91	V	25.03	-36.63	41.31	-97.41	-56.10	-13	43.10
1 403.29	61.02	H	25.11	-37.44	48.69	-97.41	-48.72	-13	35.72
1 403.24	65.34	V	25.11	-37.44	53.01	-97.41	-44.40	-13	31.40
2 104.84	59.39	H	27.87	-33.75	53.51	-97.41	-43.90	-13	30.90
2 104.95	54.18	V	27.87	-33.75	48.30	-97.41	-49.11	-13	36.11
Above 2 200.00	Not detected	–	–	–	–	–	–	–	–

NR Band 66 (20 ㎒ - DFT-S-OFDM BPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (1 720.0 ㎒)									
3 421.61	54.72	H	31.00	-31.39	54.33	-95.26	-40.93	-13	27.93
3 421.54	50.84	V	31.00	-31.39	50.45	-95.26	-44.81	-13	31.81
Above 3 500.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (1 745.0 ㎒)									
3 451.67	45.97	H	31.00	-32.33	44.64	-95.26	-50.62	-13	37.62
3 451.62	43.15	V	31.00	-32.33	41.82	-95.26	-53.44	-13	40.44
Above 3 500.00	Not detected	–	–	–	–	–	–	–	–
High Channel (1 770.0 ㎒)									
3 481.74	42.99	H	31.06	-32.46	41.59	-95.26	-53.67	-13	40.67
3 481.68	41.73	V	31.06	-32.46	40.33	-95.26	-54.93	-13	41.93
Above 3 500.00	Not detected	–	–	–	–	–	–	–	–

NR Band 71 (20 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (673.0 ㎒)									
1 333.12	45.78	H	25.03	-36.64	34.17	-97.41	-63.24	-13	50.24
1 333.05	48.08	V	25.03	-36.63	36.48	-97.41	-60.93	-13	47.93
1 364.47	53.03	H	25.03	-37.49	40.57	-97.41	-56.84	-13	43.84
1 364.69	55.26	V	25.03	-37.49	42.80	-97.41	-54.61	-13	41.61
2 046.77	63.05	H	27.79	-34.51	56.33	-97.41	-41.08	-13	28.08
2 046.79	58.93	V	27.79	-34.51	52.21	-97.41	-45.20	-13	32.20
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (680.5 ㎒)									
1 333.03	46.26	H	25.03	-36.63	34.66	-97.41	-62.75	-13	49.75
1 332.60	48.98	V	25.03	-36.62	37.39	-97.41	-60.02	-13	47.02
1 379.52	53.28	H	25.06	-37.58	40.76	-97.41	-56.65	-13	43.65
1 379.60	59.56	V	25.06	-37.58	47.04	-97.41	-50.37	-13	37.37
2 069.29	61.57	H	27.84	-34.13	55.28	-97.41	-42.13	-13	29.13
2 069.10	56.57	V	27.84	-34.13	50.28	-97.41	-47.13	-13	34.13
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
High Channel (688.0 ㎒)									
1 333.11	48.69	H	25.03	-36.64	37.08	-97.41	-60.33	-13	47.33
1 332.88	49.14	V	25.03	-36.63	37.54	-97.41	-59.87	-13	46.87
1 394.35	51.32	H	25.09	-37.49	38.92	-97.41	-58.49	-13	45.49
1 394.51	61.34	V	25.09	-37.49	48.94	-97.41	-48.47	-13	35.47
2 091.83	60.07	H	27.88	-33.77	54.18	-97.41	-43.23	-13	30.23
2 091.87	53.29	V	27.88	-33.77	47.40	-97.41	-50.01	-13	37.01
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–

ENDC

- Ant. 1_Below 3 ㎓

5A-n2A (40 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (1 870.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (1 880.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
High Channel (1 890.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–

66A-n5A (20 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (834.0 ㎒)									
2 474.12	49.92	H	28.30	-33.02	45.20	-97.41	-52.21	-13	39.21
2 474.15	54.92	V	28.30	-33.02	50.20	-97.41	-47.21	-13	34.21
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (836.5 ㎒)									
2 481.76	50.77	H	28.33	-33.37	45.73	-97.41	-51.68	-13	38.68
2 481.69	53.75	V	28.33	-33.36	48.72	-97.41	-48.69	-13	35.69
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–
High Channel (839.0 ㎒)									
2 489.16	48.64	H	28.36	-33.79	43.21	-97.41	-54.20	-13	41.20
2 489.18	53.05	V	28.36	-33.79	47.62	-97.41	-49.79	-13	36.79
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–

5A-n66A (20 ㎒ - DFT-S-OFDM BPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (1 720.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (1 745.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
High Channel (1 770.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–

66A-n71A (20 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (673.0 ㎒)									
2 046.79	61.95	H	27.79	-34.51	55.23	-97.41	-42.18	-13	29.18
2 046.84	61.90	V	27.79	-34.51	55.18	-97.41	-42.23	-13	29.23
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (707.5 ㎒)									
2 069.25	60.79	H	27.84	-34.13	54.50	-97.41	-42.91	-13	29.91
2 069.33	61.48	V	27.84	-34.13	55.19	-97.41	-42.22	-13	29.22
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
High Channel (688.0 ㎒)									
2 091.72	61.07	H	27.88	-33.77	55.18	-97.41	-42.23	-13	29.23
2 091.82	61.17	V	27.88	-33.77	55.28	-97.41	-42.13	-13	29.13
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–

- Ant. 3_Below 3 ㎓

5A-n2A (40 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (1 870.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (1 880.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–
High Channel (1 890.0 ㎒)									
Below 1 000.00	Not detected	–	–	–	–	–	–	–	–
Above 1 000.00	Not detected	–	–	–	–	–	–	–	–

66A-n5A (20 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (834.0 ㎒)									
1 649.48	51.03	H	25.80	-36.61	40.22	-97.41	-57.19	-13	44.19
1 649.30	50.17	V	25.79	-36.60	39.36	-97.41	-58.05	-13	45.05
2 474.26	48.12	H	28.30	-33.01	43.41	-97.41	-54.00	-13	41.00
2 474.07	45.57	V	28.30	-33.02	40.85	-97.41	-56.56	-13	43.56
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (836.5 ㎒)									
1 654.40	51.31	H	25.88	-36.53	40.66	-97.41	-56.75	-13	43.75
1 654.37	50.21	V	25.88	-36.53	39.56	-97.41	-57.85	-13	44.85
2 481.55	47.27	H	28.33	-33.35	42.25	-97.41	-55.16	-13	42.16
2 481.50	45.31	V	28.33	-33.35	40.29	-97.41	-57.12	-13	44.12
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–
High Channel (839.0 ㎒)									
1 659.48	50.40	H	25.97	-36.45	39.92	-97.41	-57.49	-13	44.49
1 659.36	50.37	V	25.97	-36.45	39.89	-97.41	-57.52	-13	44.52
2 489.27	46.98	H	28.36	-33.80	41.54	-97.41	-55.87	-13	42.87
2 489.23	43.38	V	28.36	-33.79	37.95	-97.41	-59.46	-13	46.46
Above 2 500.00	Not detected	–	–	–	–	–	–	–	–

5A-n66A (20 ㎒ - DFT-S-OFDM BPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.I.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (1 720.0 ㎒)									
3 421.56	54.18	H	31.00	-31.39	53.79	-95.26	-41.47	-13	28.47
3 421.74	52.36	V	31.00	-31.38	51.98	-95.26	-43.28	-13	30.28
Above 3 500.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (1 745.0 ㎒)									
3 451.64	45.73	H	31.00	-32.33	44.40	-95.26	-50.86	-13	37.86
3 451.63	44.05	V	31.00	-32.33	42.72	-95.26	-52.54	-13	39.54
Above 3 500.00	Not detected	–	–	–	–	–	–	–	–
High Channel (1 770.0 ㎒)									
3 481.43	41.48	H	31.06	-32.46	40.08	-95.26	-55.18	-13	42.18
3 481.42	40.59	V	31.06	-32.46	39.19	-95.26	-56.07	-13	43.07
Above 3 500.00	Not detected	–	–	–	–	–	–	–	–

66A-n71A (20 ㎒ - DFT-S-OFDM QPSK)

Frequency (㎒)	Measured Level (dB㎶)	Ant. Pol.	AF (dB/m)	AMP+CL (dB)	E (dB㎶/m)	CF (dB)	E.R.P. (dB m)	Limit (dB m)	Margin (dB)
Low Channel (673.0 ㎒)									
1 333.04	46.38	H	25.03	-36.63	34.78	-97.41	-62.63	-13	49.63
1 333.00	50.87	V	25.03	-36.63	39.27	-97.41	-58.14	-13	45.14
1 364.61	56.03	H	25.03	-37.49	43.57	-97.41	-53.84	-13	40.84
1 364.52	54.70	V	25.03	-37.49	42.24	-97.41	-55.17	-13	42.17
2 046.85	63.33	H	27.79	-34.51	56.61	-97.41	-40.80	-13	27.80
2 046.80	52.84	V	27.79	-34.51	46.12	-97.41	-51.29	-13	38.29
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
Middle Channel (707.5 ㎒)									
1 332.87	46.80	H	25.03	-36.63	35.20	-97.41	-62.21	-13	49.21
1 333.11	50.44	V	25.03	-36.64	38.83	-97.41	-58.58	-13	45.58
1 379.47	60.84	H	25.06	-37.58	48.32	-97.41	-49.09	-13	36.09
1 379.55	59.82	V	25.06	-37.58	47.30	-97.41	-50.11	-13	37.11
2 069.28	62.55	H	27.84	-34.13	56.26	-97.41	-41.15	-13	28.15
2 069.36	53.85	V	27.84	-34.13	47.56	-97.41	-49.85	-13	36.85
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–
High Channel (688.0 ㎒)									
1 333.14	46.57	H	25.03	-36.64	34.96	-97.41	-62.45	-13	49.45
1 332.93	50.09	V	25.03	-36.63	38.49	-97.41	-58.92	-13	45.92
1 394.57	62.91	H	25.09	-37.49	50.51	-97.41	-46.90	-13	33.90
1 394.54	63.16	V	25.09	-37.49	50.76	-97.41	-46.65	-13	33.65
2 091.89	60.93	H	27.88	-33.77	55.04	-97.41	-42.37	-13	29.37
2 091.86	55.75	V	27.88	-33.77	49.86	-97.41	-47.55	-13	34.55
Above 2 100.00	Not detected	–	–	–	–	–	–	–	–

Remark;

1. AF = Antenna Factor, CL = Cable Loss, CF = Conversion Factor.
2. E (dB㎶/m) = Measured Level (dB㎶) + Antenna Factor (dB/m) + AMP (dB) + Cable Loss (dB).
3. E.I.R.P. (dB m) = E (dB㎶/m) + CF (dB).
4. E.R.P. (dB m) = E (dB㎶/m) + CF (dB) - 2.15 (dB); where E.R.P. and E.I.R.P. are expressed in consistent units.
5. 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 ㎑ to the 10th 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

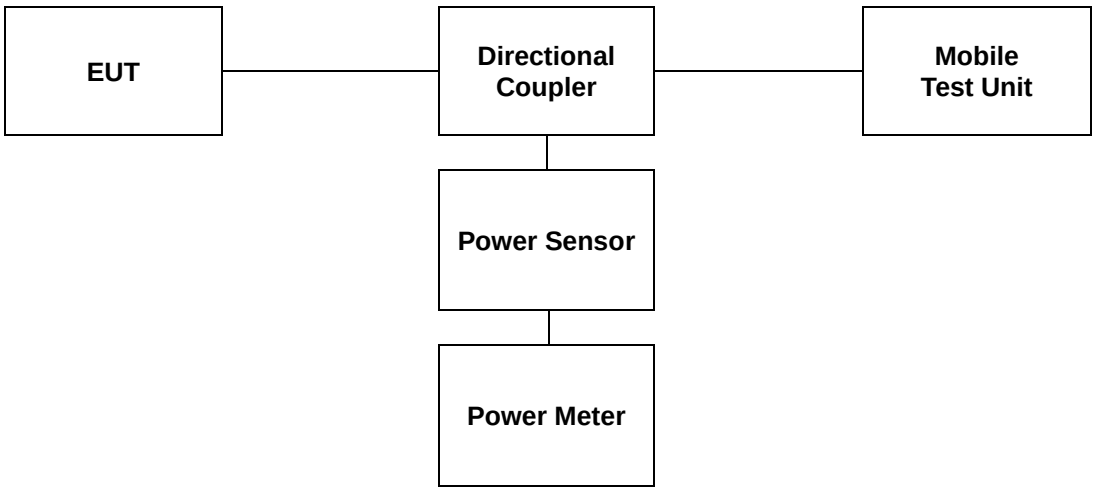
3.1. Limit

CFR 47, Section FCC §2.1046 and IC RSS-Gen Issue 5 6.12.

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) ℃

Relative humidity : 47 % R.H.

NR Band 25/2												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							370500 (1 852.5 ㎒)		376500 (1 882.5 ㎒)		382500 (1 912.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
5	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.56	0.227	23.45	0.221	23.46	0.222
			QPSK		1	1	**23.59**	**0.229**	23.54	0.226	23.51	0.224
			16QAM		1	1	**22.55**	**0.180**	22.43	0.175	22.41	0.174
			64QAM		1	1	21.21	0.132	21.09	0.129	21.06	0.128
			256QAM		1	1	18.54	0.071	18.51	0.071	18.41	0.069
			BPSK	Inner_1RB Right	1	23	**23.57**	**0.228**	23.44	0.221	23.40	0.219
			QPSK		1	23	23.59	0.229	23.44	0.221	23.45	0.221
			BPSK	Inner_Full	12	6	23.52	0.225	23.40	0.219	23.41	0.219
			QPSK		12	6	23.53	0.225	23.46	0.222	23.43	0.220
			BPSK	Outer_Full	25	0	22.69	0.186	22.68	0.185	22.47	0.177
			QPSK		25	0	22.62	0.183	22.47	0.177	22.50	0.178
			BPSK	Edge_1RB Left	1	0	22.58	0.181	22.59	0.182	22.48	0.177
			QPSK		1	0	22.61	0.182	22.52	0.179	22.52	0.179
			BPSK	Edge_Full Left	2	0	22.63	0.183	22.62	0.183	22.48	0.177
			QPSK		2	0	22.65	0.184	22.54	0.179	22.52	0.179
			BPSK	Edge_1RB Right	1	24	22.62	0.183	22.69	0.186	22.43	0.175
			QPSK		1	24	22.57	0.181	22.43	0.175	22.44	0.175
			BPSK	Edge_Full Right	2	23	22.65	0.184	22.34	0.171	22.40	0.174
			QPSK		2	23	22.57	0.181	22.46	0.176	22.46	0.176
		CP OFDM	QPSK	Inner_1RB Left	1	1	**22.17**	**0.165**	22.16	0.164	22.07	0.161
			16QAM		1	1	21.60	0.145	**21.61**	**0.145**	21.51	0.142

NR Band 25/2												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							371000 (1 855.0 ㎒)		376500 (1 882.5 ㎒)		382000 (1 910.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
10	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.55	0.226	**23.62**	**0.230**	23.50	0.224
			QPSK		1	1	23.54	0.226	**23.70**	**0.234**	23.50	0.224
			16QAM		1	1	**22.72**	**0.187**	22.58	0.181	22.45	0.176
			64QAM		1	1	21.36	0.137	21.28	0.134	21.17	0.131
			256QAM		1	1	18.72	0.074	18.66	0.073	18.57	0.072
			BPSK	Inner_1RB Right	1	50	23.53	0.225	23.41	0.219	23.44	0.221
			QPSK		1	50	23.56	0.227	23.51	0.224	23.44	0.221
			BPSK	Inner_Full	25	12	23.51	0.224	23.50	0.224	23.43	0.220
			QPSK		25	12	23.54	0.226	23.53	0.225	23.44	0.221
			BPSK	Outer_Full	50	0	22.79	0.190	22.55	0.180	22.46	0.176
			QPSK		50	0	22.82	0.191	22.59	0.182	22.46	0.176
			BPSK	Edge_1RB Left	1	0	22.66	0.185	22.59	0.182	22.45	0.176
			QPSK		1	0	22.65	0.184	22.62	0.183	22.48	0.177
			BPSK	Edge_Full Left	2	0	22.45	0.176	22.57	0.181	22.01	0.159
			QPSK		2	0	22.75	0.188	22.61	0.182	22.50	0.178
			BPSK	Edge_1RB Right	1	51	22.62	0.183	22.40	0.174	22.42	0.175
			QPSK		1	51	22.66	0.185	22.37	0.173	22.43	0.175
			BPSK	Edge_Full Right	2	50	22.67	0.185	22.42	0.175	22.38	0.173
			QPSK		2	50	22.74	0.188	22.46	0.176	22.46	0.176
		CP OFDM	QPSK	Inner_1RB Left	1	1	22.39	0.173	22.29	0.169	**22.40**	**0.174**
			16QAM		1	1	**21.77**	**0.150**	21.70	0.148	21.67	0.147

NR Band 25/2												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							371500 (1 857.5 MHz)		376500 (1 882.5 MHz)		381500 (1 907.5 MHz)	
							(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
15	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.53	0.225	23.55	0.226	23.49	0.223
			QPSK		1	1	23.53	0.225	23.56	0.227	23.53	0.225
			16QAM		1	1	**22.76**	**0.189**	22.75	0.188	22.42	0.175
			64QAM		1	1	21.42	0.139	21.47	0.140	21.17	0.131
			256QAM		1	1	18.81	0.076	18.82	0.076	18.58	0.072
			BPSK	Inner_1RB Right	1	77	23.57	0.228	23.50	0.224	23.48	0.223
			QPSK		1	77	**23.58**	**0.228**	23.52	0.225	23.51	0.224
			BPSK	Inner_Full	36	18	23.52	0.225	**23.58**	**0.228**	23.46	0.222
			QPSK		36	18	23.51	0.224	23.55	0.226	23.51	0.224
			BPSK	Outer_Full	75	0	22.67	0.185	22.63	0.183	22.45	0.176
			QPSK		75	0	22.73	0.187	22.65	0.184	22.50	0.178
			BPSK	Edge_1RB Left	1	0	22.74	0.188	22.77	0.189	22.44	0.175
			QPSK		1	0	22.82	0.191	22.77	0.189	22.51	0.178
			BPSK	Edge_Full Left	2	0	22.85	0.193	22.80	0.191	22.85	0.193
			QPSK		2	0	22.78	0.190	22.80	0.191	22.47	0.177
			BPSK	Edge_1RB Right	1	78	22.68	0.185	22.52	0.179	22.45	0.176
			QPSK		1	78	22.72	0.187	22.58	0.181	22.46	0.176
			BPSK	Edge_Full Right	2	77	22.47	0.177	22.57	0.181	22.46	0.176
			QPSK		2	77	22.73	0.187	22.63	0.183	22.49	0.177
		CP OFDM	QPSK	Inner_1RB Left	1	1	22.48	0.177	**22.49**	**0.177**	22.09	0.162
			16QAM		1	1	21.86	0.153	**21.87**	**0.154**	21.49	0.141

NR Band 25/2												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							372000 (1 860.0 MHz)		376500 (1 882.5 MHz)		381000 (1 905.0 MHz)	
							(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
20	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.59	0.229	**23.68**	**0.233**	23.65	0.232
			QPSK		1	1	23.68	0.233	**23.74**	**0.237**	23.70	0.234
			16QAM		1	1	22.58	0.181	**22.61**	**0.182**	22.55	0.180
			64QAM		1	1	21.27	0.134	21.36	0.137	21.27	0.134
			256QAM		1	1	18.79	0.076	18.77	0.075	18.76	0.075
			BPSK	Inner_1RB Right	1	104	23.52	0.225	23.58	0.228	23.53	0.225
			QPSK		1	104	23.53	0.225	23.63	0.231	23.56	0.227
			BPSK	Inner_Full	50	25	23.61	0.230	23.64	0.231	23.58	0.228
			QPSK		50	25	23.66	0.232	23.67	0.233	23.59	0.229
			BPSK	Outer_Full	100	0	22.62	0.183	22.60	0.182	22.62	0.183
			QPSK		100	0	22.69	0.186	22.63	0.183	22.60	0.182
			BPSK	Edge_1RB Left	1	0	22.55	0.180	22.62	0.183	22.58	0.181
			QPSK		1	0	22.59	0.182	22.69	0.186	22.67	0.185
			BPSK	Edge_Full Left	2	0	20.73	0.118	20.73	0.118	22.60	0.182
			QPSK		2	0	22.62	0.183	22.69	0.186	22.62	0.183
			BPSK	Edge_1RB Right	1	105	22.64	0.184	22.54	0.179	22.46	0.176
			QPSK		1	105	22.63	0.183	22.55	0.180	22.43	0.175
			BPSK	Edge_Full Right	2	104	22.66	0.185	22.56	0.180	22.45	0.176
			QPSK		2	104	22.63	0.183	22.54	0.179	22.45	0.176
		CP OFDM	QPSK	Inner_1RB Left	1	1	**22.42**	**0.175**	22.39	0.173	22.42	0.175
			16QAM		1	1	21.73	0.149	**21.84**	**0.153**	21.79	0.151

NR Band 25/2												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							372500 (1 862.5 ㎒)		376500 (1 882.5 ㎒)		380500 (1 902.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
25	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.57	0.228	23.66	0.232	23.49	0.223
			QPSK		1	1	23.58	0.228	23.66	0.232	23.65	0.232
			16QAM		1	1	22.66	0.185	**22.76**	**0.189**	22.69	0.186
			64QAM		1	1	21.51	0.142	21.54	0.143	21.54	0.143
			256QAM		1	1	21.68	0.147	19.13	0.082	19.05	0.080
			BPSK	Inner_1RB Right	1	131	23.59	0.229	23.69	0.234	23.42	0.220
			QPSK		1	131	23.66	0.232	**23.73**	**0.236**	23.42	0.220
			BPSK	Inner_Full	64	32	23.65	0.232	**23.73**	**0.236**	23.60	0.229
			QPSK		64	32	23.64	0.231	23.72	0.236	23.61	0.230
			BPSK	Outer_Full	128	0	22.74	0.188	22.82	0.191	22.85	0.193
			QPSK		128	0	22.75	0.188	22.81	0.191	22.84	0.192
			BPSK	Edge_1RB Left	1	0	22.68	0.185	22.85	0.193	22.73	0.187
			QPSK		1	0	22.84	0.192	22.79	0.190	22.90	0.195
			BPSK	Edge_Full Left	2	0	22.87	0.194	22.82	0.191	22.89	0.195
			QPSK		2	0	22.77	0.189	22.75	0.188	22.85	0.193
			BPSK	Edge_1RB Right	1	132	22.63	0.183	22.50	0.178	22.79	0.190
			QPSK		1	132	22.79	0.190	22.59	0.182	22.78	0.190
			BPSK	Edge_Full Right	2	131	22.75	0.188	22.99	0.199	22.74	0.188
			QPSK		2	131	22.71	0.187	22.98	0.199	22.67	0.185
		CP OFDM	QPSK	Inner_1RB Left	1	1	22.48	0.177	22.36	0.172	**22.50**	**0.178**
			16QAM		1	1	21.75	0.150	**21.89**	**0.155**	21.95	0.157

NR Band 25/2												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							373000 (1 865.0 ㎒)		376500 (1 882.5 ㎒)		380000 (1 900.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.49	0.223	**23.63**	**0.231**	23.48	0.223
			QPSK		1	1	23.65	0.232	**23.67**	**0.233**	23.45	0.221
			16QAM		1	1	22.32	0.171	22.58	0.181	**22.66**	**0.185**
			64QAM		1	1	21.17	0.131	21.50	0.141	21.35	0.136
			256QAM		1	1	18.84	0.077	18.92	0.078	19.01	0.080
			BPSK	Inner_1RB Right	1	158	23.24	0.211	23.58	0.228	23.42	0.220
			QPSK		1	158	23.46	0.222	23.66	0.232	23.23	0.210
			BPSK	Inner_Full	80	40	23.61	0.230	23.61	0.230	23.47	0.222
			QPSK		80	40	23.64	0.231	23.62	0.230	23.56	0.227
			BPSK	Outer_Full	160	0	22.71	0.187	22.72	0.187	22.81	0.191
			QPSK		160	0	22.68	0.185	22.67	0.185	22.67	0.185
			BPSK	Edge_1RB Left	1	0	22.41	0.174	22.60	0.182	22.69	0.186
			QPSK		1	0	22.54	0.179	22.83	0.192	22.77	0.189
			BPSK	Edge_Full Left	2	0	22.74	0.188	22.89	0.195	22.83	0.192
			QPSK		2	0	22.64	0.184	22.85	0.193	22.77	0.189
			BPSK	Edge_1RB Right	1	159	22.61	0.182	22.71	0.187	22.78	0.190
			QPSK		1	159	22.78	0.190	22.83	0.192	22.66	0.185
			BPSK	Edge_Full Right	2	158	22.78	0.190	22.85	0.193	22.59	0.182
			QPSK		2	158	22.74	0.188	22.81	0.191	22.55	0.180
		CP OFDM	QPSK	Inner_1RB Left	1	1	22.45	0.176	**22.59**	**0.182**	22.44	0.175
			16QAM		1	1	21.62	0.145	**21.96**	**0.157**	21.76	0.150

NR Band 25/2												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							374000 (1 870.0 ㎒)		376500 (1 882.5 ㎒)		379000 (1 895.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.54	0.226	23.57	0.228	23.38	0.218
			QPSK		1	1	23.74	0.237	**23.75**	**0.237**	23.71	0.235
			16QAM		1	1	22.60	0.182	**22.66**	**0.185**	22.66	0.185
			64QAM		1	1	21.60	0.145	21.53	0.142	21.48	0.141
			256QAM		1	1	18.97	0.079	18.99	0.079	18.99	0.079
			BPSK	Inner_1RB Right	1	214	23.58	0.228	23.60	0.229	23.27	0.212
			QPSK		1	214	23.69	0.234	23.67	0.233	23.29	0.213
			BPSK	Inner_Full	108	54	**23.65**	**0.232**	23.60	0.229	23.63	0.231
			QPSK		108	54	23.67	0.233	23.68	0.233	23.68	0.233
			BPSK	Outer_Full	216	0	22.81	0.191	22.82	0.191	22.83	0.192
			QPSK		216	0	22.80	0.191	22.81	0.191	22.93	0.196
			BPSK	Edge_1RB Left	1	0	22.60	0.182	22.65	0.184	22.54	0.179
			QPSK		1	0	22.83	0.192	22.84	0.192	22.77	0.189
			BPSK	Edge_Full Left	2	0	22.86	0.193	22.90	0.195	22.73	0.187
			QPSK		2	0	22.80	0.191	22.88	0.194	22.74	0.188
			BPSK	Edge_1RB Right	1	215	22.68	0.185	22.75	0.188	22.22	0.167
			QPSK		1	215	22.85	0.193	22.90	0.195	22.32	0.171
			BPSK	Edge_Full Right	2	214	22.87	0.194	22.95	0.197	22.45	0.176
			QPSK		2	214	22.84	0.192	22.86	0.193	22.37	0.173
		CP OFDM	QPSK	Inner_1RB Left	1	1	22.39	0.173	22.31	0.170	**22.45**	**0.176**
			16QAM		1	1	21.93	0.156	21.79	0.151	**22.28**	**0.169**

NR Band 5													
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power						
							165300 (826.5 ㎒)		167300 (836.5 ㎒)		169300 (846.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
5	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	**22.90**	**0.195**	22.84	0.192	22.74	0.188
			QPSK		1	1	**22.90**	**0.195**	22.84	0.192	22.70	0.186
			16QAM		1	1	**21.80**	**0.151**	21.70	0.148	21.63	0.146
			64QAM		1	1	20.40	0.110	20.38	0.109	20.28	0.107
			256QAM		1	1	17.80	0.060	17.70	0.059	17.68	0.059
			BPSK	Inner_1RB Right	1	23	22.70	0.186	22.71	0.187	22.69	0.186
			QPSK		1	23	22.80	0.191	22.74	0.188	22.74	0.188
			BPSK	Inner_Full	12	6	22.80	0.191	22.68	0.185	22.64	0.184
			QPSK		12	6	22.80	0.191	22.72	0.187	22.64	0.184
			BPSK	Outer_Full	25	0	21.90	0.155	21.76	0.150	21.71	0.148
			QPSK		25	0	21.90	0.155	21.80	0.151	21.69	0.148
			BPSK	Edge_1RB Left	1	0	21.90	0.155	21.84	0.153	21.69	0.148
			QPSK		1	0	21.80	0.151	21.83	0.152	21.73	0.149
			BPSK	Edge_Full Left	2	0	21.90	0.155	22.34	0.171	21.77	0.150
			QPSK		2	0	21.90	0.155	21.83	0.152	21.73	0.149
			BPSK	Edge_1RB Right	1	24	21.70	0.148	21.70	0.148	21.70	0.148
			QPSK		1	24	21.70	0.148	21.73	0.149	21.70	0.148
			BPSK	Edge_Full Right	2	23	21.80	0.151	21.75	0.150	21.71	0.148
			QPSK		2	23	21.80	0.151	21.75	0.150	21.77	0.150
		CP OFDM	QPSK	Inner_1RB Left	1	1	**21.50**	**0.141**	21.40	0.138	21.39	0.138
			16QAM		1	1	**20.90**	**0.123**	20.80	0.120	20.74	0.119

NR Band 5													
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power						
							165800 (829.0 ㎒)		167300 (836.5 ㎒)		168800 (844.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
10	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.63	0.183	22.86	0.193	22.72	0.187
			QPSK		1	1	22.60	0.182	**22.89**	**0.195**	22.71	0.187
			16QAM		1	1	21.67	0.147	**21.78**	**0.151**	21.74	0.149
			64QAM		1	1	20.03	0.101	20.48	0.112	20.19	0.104
			256QAM		1	1	17.76	0.060	17.86	0.061	17.71	0.059
			BPSK	Inner_1RB Right	1	50	22.76	0.189	22.68	0.185	22.83	0.192
			QPSK		1	50	22.61	0.182	22.70	0.186	22.66	0.185
			BPSK	Inner_Full	25	12	22.70	0.186	22.73	0.187	**22.88**	**0.194**
			QPSK		25	12	22.68	0.185	22.75	0.188	22.83	0.192
			BPSK	Outer_Full	50	0	22.31	0.170	21.80	0.151	22.38	0.173
			QPSK		50	0	21.85	0.153	21.84	0.153	21.82	0.152
			BPSK	Edge_1RB Left	1	0	22.07	0.161	21.80	0.151	22.19	0.166
			QPSK		1	0	21.59	0.144	21.85	0.153	21.76	0.150
			BPSK	Edge_Full Left	2	0	22.15	0.164	22.37	0.173	22.35	0.172
			QPSK		2	0	21.75	0.150	21.82	0.152	21.87	0.154
			BPSK	Edge_1RB Right	1	51	22.09	0.162	21.57	0.144	22.16	0.164
			QPSK		1	51	21.63	0.146	21.62	0.145	21.69	0.148
			BPSK	Edge_Full Right	2	50	22.19	0.166	21.59	0.144	22.38	0.173
			QPSK		2	50	21.78	0.151	21.67	0.147	21.76	0.150
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.08	0.128	**21.50**	**0.141**	21.23	0.133
			16QAM		1	1	20.72	0.118	**20.85**	**0.122**	20.73	0.118

NR Band 5												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							166300 (831.5 ㎒)		167300 (836.5 ㎒)		168300 (841.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.80	0.191	22.86	0.193	22.79	0.190
			QPSK		1	1	**22.90**	**0.195**	22.84	0.192	22.79	0.190
			16QAM		1	1	21.70	0.148	**21.74**	**0.149**	21.69	0.148
			64QAM		1	1	20.40	0.110	20.42	0.110	20.42	0.110
			256QAM		1	1	18.00	0.063	17.88	0.061	17.86	0.061
			BPSK	Inner_1RB Right	1	77	22.80	0.191	22.77	0.189	22.60	0.182
			QPSK		1	77	22.80	0.191	22.79	0.190	22.62	0.183
			BPSK	Inner_Full	36	18	**22.90**	**0.195**	22.78	0.190	22.75	0.188
			QPSK		36	18	22.80	0.191	22.84	0.192	22.78	0.190
			BPSK	Outer_Full	75	0	21.90	0.155	21.80	0.151	21.73	0.149
			QPSK		75	0	21.80	0.151	21.78	0.151	21.78	0.151
			BPSK	Edge_1RB Left	1	0	21.80	0.151	21.75	0.150	21.78	0.151
			QPSK		1	0	21.80	0.151	21.81	0.152	21.74	0.149
			BPSK	Edge_Full Left	2	0	22.30	0.170	22.26	0.168	21.78	0.151
			QPSK		2	0	21.90	0.155	21.82	0.152	21.81	0.152
			BPSK	Edge_1RB Right	1	78	21.80	0.151	21.68	0.147	21.65	0.146
			QPSK		1	78	21.70	0.148	21.68	0.147	21.61	0.145
			BPSK	Edge_Full Right	2	77	21.80	0.151	21.70	0.148	21.69	0.148
			QPSK		2	77	21.80	0.151	21.76	0.150	21.58	0.144
		CP OFDM	QPSK	Inner_1RB Left	1	1	**21.50**	**0.141**	21.49	0.141	21.49	0.141
			16QAM		1	1	20.80	0.120	20.86	0.122	**20.89**	**0.123**

NR Band 5												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							166800 (834.0 ㎒)		167300 (836.5 ㎒)		167800 (839.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.91	0.195	**22.92**	**0.196**	22.90	0.195
			QPSK		1	1	22.92	0.196	**23.01**	**0.200**	22.95	0.197
			16QAM		1	1	21.70	0.148	**21.77**	**0.150**	21.75	0.150
			64QAM		1	1	20.14	0.103	20.50	0.112	20.41	0.110
			256QAM		1	1	17.90	0.062	17.88	0.061	17.82	0.061
			BPSK	Inner_1RB Right	1	104	22.70	0.186	22.73	0.187	22.62	0.183
			QPSK		1	104	22.70	0.186	22.74	0.188	22.65	0.184
			BPSK	Inner_Full	50	25	22.80	0.191	22.83	0.192	22.79	0.190
			QPSK		50	25	22.82	0.191	22.84	0.192	22.84	0.192
			BPSK	Outer_Full	100	0	21.80	0.151	21.83	0.152	21.82	0.152
			QPSK		100	0	21.80	0.151	21.85	0.153	21.87	0.154
			BPSK	Edge_1RB Left	1	0	21.80	0.151	21.82	0.152	21.79	0.151
			QPSK		1	0	21.80	0.151	21.82	0.152	21.75	0.150
			BPSK	Edge_Full Left	2	0	22.28	0.169	21.80	0.151	22.25	0.168
			QPSK		2	0	21.80	0.151	21.83	0.152	21.80	0.151
			BPSK	Edge_1RB Right	1	105	21.60	0.145	21.63	0.146	21.53	0.142
			QPSK		1	105	21.70	0.148	21.63	0.146	21.50	0.141
			BPSK	Edge_Full Right	2	104	21.70	0.148	21.67	0.147	21.54	0.143
			QPSK		2	104	21.70	0.148	21.65	0.146	21.60	0.145
		CP OFDM	QPSK	Inner_1RB Left	1	1	**21.50**	**0.141**	20.07	0.102	21.48	0.141
			16QAM		1	1	20.90	0.123	**20.91**	**0.123**	20.84	0.121

NR Band 7												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							500500 (2 502.5 MHz)		507000 (2 535.0 MHz)		513500 (2 567.5 MHz)	
							(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
5	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.53	0.225	**23.78**	**0.239**	23.48	0.223
			QPSK		1	1	23.54	0.226	**23.81**	**0.240**	23.52	0.225
			16QAM		1	1	22.41	0.174	**22.67**	**0.185**	22.33	0.171
			64QAM		1	1	21.19	0.132	21.39	0.138	21.12	0.129
			256QAM		1	1	18.55	0.072	18.81	0.076	18.53	0.071
			BPSK	Inner_1RB Right	1	23	23.54	0.226	23.76	0.238	23.49	0.223
			QPSK		1	23	23.54	0.226	23.75	0.237	23.46	0.222
			BPSK	Inner_Full	12	6	23.47	0.222	23.72	0.236	23.41	0.219
			QPSK		12	6	23.50	0.224	23.71	0.235	23.41	0.219
			BPSK	Outer_Full	25	0	22.52	0.179	22.73	0.187	22.44	0.175
			QPSK		25	0	22.56	0.180	22.79	0.190	22.47	0.177
			BPSK	Edge_1RB Left	1	0	22.54	0.179	22.81	0.191	22.43	0.175
			QPSK		1	0	22.52	0.179	22.79	0.190	22.54	0.179
			BPSK	Edge_Full Left	2	0	22.55	0.180	22.80	0.191	22.40	0.174
			QPSK		2	0	22.55	0.180	22.81	0.191	22.56	0.180
			BPSK	Edge_1RB Right	1	24	22.61	0.182	22.73	0.187	22.41	0.174
			QPSK		1	24	22.54	0.179	22.78	0.190	22.45	0.176
			BPSK	Edge_Full Right	2	23	22.62	0.183	22.72	0.187	22.39	0.173
			QPSK		2	23	22.51	0.178	22.77	0.189	22.48	0.177
		CP OFDM	QPSK	Inner_1RB Left	1	1	22.25	0.168	**22.45**	**0.176**	22.18	0.165
			16QAM		1	1	21.71	0.148	**21.85**	**0.153**	21.60	0.145

NR Band 7												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							501000 (2 505.0 MHz)		507000 (2 535.0 MHz)		513000 (2 565.0 MHz)	
							(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
10	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.62	0.230	**23.83**	**0.242**	23.10	0.204
			QPSK		1	1	23.68	0.233	**23.84**	**0.242**	23.14	0.206
			16QAM		1	1	22.54	0.179	**22.75**	**0.188**	22.00	0.158
			64QAM		1	1	21.31	0.135	21.54	0.143	20.72	0.118
			256QAM		1	1	18.73	0.075	18.94	0.078	18.16	0.065
			BPSK	Inner_1RB Right	1	50	23.72	0.236	23.77	0.238	23.12	0.205
			QPSK		1	50	23.74	0.237	23.76	0.238	23.17	0.207
			BPSK	Inner_Full	25	12	23.56	0.227	23.75	0.237	23.04	0.201
			QPSK		25	12	23.64	0.231	23.78	0.239	23.12	0.205
			BPSK	Outer_Full	50	0	22.76	0.189	22.82	0.191	22.08	0.161
			QPSK		50	0	22.70	0.186	22.85	0.193	22.16	0.164
			BPSK	Edge_1RB Left	1	0	22.36	0.172	22.74	0.188	22.05	0.160
			QPSK		1	0	22.60	0.182	22.77	0.189	22.10	0.162
			BPSK	Edge_Full Left	2	0	22.59	0.182	22.76	0.189	22.82	0.191
			QPSK		2	0	22.62	0.183	22.79	0.190	22.10	0.162
			BPSK	Edge_1RB Right	1	51	22.35	0.172	22.69	0.186	22.02	0.159
			QPSK		1	51	22.72	0.187	22.72	0.187	22.06	0.161
			BPSK	Edge_Full Right	2	50	22.46	0.176	22.72	0.187	22.00	0.158
			QPSK		2	50	22.74	0.188	22.70	0.186	22.08	0.161
		CP OFDM	QPSK	Inner_1RB Left	1	1	22.34	0.171	**22.54**	**0.179**	21.73	0.149
			16QAM		1	1	21.71	0.148	**21.95**	**0.157**	21.13	0.130

NR Band 7												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							501500 (2 507.5 ㎒)		507000 (2 535.0 ㎒)		512500 (2 562.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	**23.49**	**0.223**	23.26	0.212	23.08	0.203
			QPSK		1	1	**23.54**	**0.226**	23.32	0.215	23.14	0.206
			16QAM		1	1	**22.44**	**0.175**	22.21	0.166	22.03	0.160
			64QAM		1	1	21.19	0.132	20.96	0.125	20.81	0.121
			256QAM		1	1	18.70	0.074	18.43	0.070	18.21	0.066
			BPSK	Inner_1RB Right	1	77	23.30	0.214	23.09	0.204	23.10	0.204
			QPSK		1	77	23.36	0.217	23.12	0.205	23.16	0.207
			BPSK	Inner_Full	36	18	23.29	0.213	23.16	0.207	23.08	0.203
			QPSK		36	18	23.42	0.220	23.18	0.208	23.07	0.203
			BPSK	Outer_Full	75	0	22.18	0.165	22.15	0.164	22.08	0.161
			QPSK		75	0	22.36	0.172	22.19	0.166	22.07	0.161
			BPSK	Edge_1RB Left	1	0	22.27	0.169	22.20	0.166	21.99	0.158
			QPSK		1	0	22.47	0.177	22.23	0.167	22.12	0.163
			BPSK	Edge_Full Left	2	0	20.23	0.105	22.21	0.166	22.00	0.158
			QPSK		2	0	22.50	0.178	22.24	0.167	22.11	0.163
			BPSK	Edge_1RB Right	1	78	21.97	0.157	21.99	0.158	22.00	0.158
			QPSK		1	78	22.31	0.170	22.07	0.161	22.04	0.160
			BPSK	Edge_Full Right	2	77	21.81	0.152	21.99	0.158	22.01	0.159
			QPSK		2	77	22.30	0.170	22.02	0.159	22.10	0.162
		CP OFDM	QPSK	Inner_1RB Left	1	1	**22.20**	**0.166**	21.97	0.157	21.81	0.152
			16QAM		1	1	**21.58**	**0.144**	21.30	0.135	21.20	0.132

NR Band 7												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							502000 (2 510.0 ㎒)		507000 (2 535.0 ㎒)		512000 (2 560.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.75	0.237	**23.85**	**0.243**	23.76	0.238
			QPSK		1	1	**23.57**	**0.228**	23.30	0.214	23.23	0.210
			16QAM		1	1	**22.40**	**0.174**	22.20	0.166	22.12	0.163
			64QAM		1	1	21.13	0.130	20.95	0.124	20.90	0.123
			256QAM		1	1	18.73	0.075	18.36	0.069	18.22	0.066
			BPSK	Inner_1RB Right	1	104	23.32	0.215	23.13	0.206	23.11	0.205
			QPSK		1	104	23.30	0.214	23.15	0.207	23.15	0.207
			BPSK	Inner_Full	50	25	23.65	0.232	23.79	0.239	23.31	0.214
			QPSK		50	25	23.42	0.220	23.53	0.225	23.14	0.206
			BPSK	Outer_Full	100	0	22.50	0.178	22.22	0.167	22.10	0.162
			QPSK		100	0	22.39	0.173	22.24	0.167	22.15	0.164
			BPSK	Edge_1RB Left	1	0	22.46	0.176	22.19	0.166	22.10	0.162
			QPSK		1	0	22.50	0.178	22.27	0.169	22.15	0.164
			BPSK	Edge_Full Left	2	0	22.22	0.167	22.22	0.167	22.17	0.165
			QPSK		2	0	22.51	0.178	22.27	0.169	22.12	0.163
			BPSK	Edge_1RB Right	1	105	22.20	0.166	22.03	0.160	22.04	0.160
			QPSK		1	105	22.26	0.168	22.05	0.160	22.09	0.162
			BPSK	Edge_Full Right	2	104	20.43	0.110	22.05	0.160	22.04	0.160
			QPSK		2	104	22.27	0.169	22.08	0.161	22.06	0.161
		CP OFDM	QPSK	Inner_1RB Left	1	1	**22.17**	**0.165**	21.96	0.157	21.79	0.151
			16QAM		1	1	**21.54**	**0.143**	21.28	0.134	21.17	0.131

NR Band 12													
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power						
							140300 (701.5 ㎒)		141500 (707.5 ㎒)		142700 (713.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
5	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.80	0.191	22.72	0.187	22.58	0.181
			QPSK		1	1	22.85	0.193	22.80	0.191	22.71	0.187
			16QAM		1	1	21.72	0.149	**21.73**	**0.149**	21.53	0.142
			64QAM		1	1	20.45	0.111	20.41	0.110	20.21	0.105
			256QAM		1	1	17.79	0.060	17.74	0.059	17.61	0.058
			BPSK	Inner_1RB Right	1	23	22.74	0.188	22.60	0.182	22.63	0.183
			QPSK		1	23	**22.94**	**0.197**	22.80	0.191	22.67	0.185
			BPSK	Inner_Full	12	6	**22.92**	**0.196**	22.73	0.187	22.68	0.185
			QPSK		12	6	22.88	0.194	22.73	0.187	22.64	0.184
			BPSK	Outer_Full	25	0	21.89	0.155	21.77	0.150	21.71	0.148
			QPSK		25	0	21.90	0.155	21.74	0.149	21.71	0.148
			BPSK	Edge_1RB Left	1	0	22.00	0.158	21.64	0.146	21.74	0.149
			QPSK		1	0	21.94	0.156	21.89	0.155	21.81	0.152
			BPSK	Edge_Full Left	2	0	21.95	0.157	21.77	0.150	21.85	0.153
			QPSK		2	0	21.96	0.157	21.95	0.157	21.84	0.153
			BPSK	Edge_1RB Right	1	24	21.94	0.156	21.66	0.147	21.58	0.144
			QPSK		1	24	22.01	0.159	21.66	0.147	21.79	0.151
			BPSK	Edge_Full Right	2	23	22.05	0.160	21.81	0.152	21.74	0.149
			QPSK		2	23	22.05	0.160	21.86	0.153	21.85	0.153
		CP OFDM	QPSK	Inner_1RB Left	1	1	**21.46**	**0.140**	21.41	0.138	21.28	0.134
			16QAM		1	1	**20.89**	**0.123**	20.80	0.120	20.68	0.117

NR Band 12													
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power						
							140800 (704.0 ㎒)		141500 (707.5 ㎒)		142200 (711.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
10	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.76	0.189	22.80	0.191	22.68	0.185
			QPSK		1	1	22.85	0.193	**22.92**	**0.196**	22.81	0.191
			16QAM		1	1	21.72	0.149	**21.78**	**0.151**	21.63	0.146
			64QAM		1	1	20.45	0.111	20.53	0.113	20.38	0.109
			256QAM		1	1	17.81	0.060	17.89	0.062	17.80	0.060
			BPSK	Inner_1RB Right	1	50	22.63	0.183	22.59	0.182	22.60	0.182
			QPSK		1	50	22.81	0.191	22.71	0.187	22.65	0.184
			BPSK	Inner_Full	25	12	22.82	0.191	**22.86**	**0.193**	22.82	0.191
			QPSK		25	12	22.79	0.190	22.91	0.195	22.81	0.191
			BPSK	Outer_Full	50	0	21.83	0.152	21.84	0.153	21.69	0.148
			QPSK		50	0	21.85	0.153	21.80	0.151	21.73	0.149
			BPSK	Edge_1RB Left	1	0	21.73	0.149	21.78	0.151	21.86	0.153
			QPSK		1	0	21.86	0.153	21.87	0.154	21.95	0.157
			BPSK	Edge_Full Left	2	0	21.87	0.154	21.95	0.157	21.93	0.156
			QPSK		2	0	21.86	0.153	21.94	0.156	21.92	0.156
			BPSK	Edge_1RB Right	1	51	21.71	0.148	21.67	0.147	21.70	0.148
			QPSK		1	51	21.78	0.151	21.71	0.148	21.78	0.151
			BPSK	Edge_Full Right	2	50	21.80	0.151	21.81	0.152	21.72	0.149
			QPSK		2	50	21.81	0.152	21.81	0.152	21.72	0.149
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.43	0.139	**21.51**	**0.142**	21.40	0.138
			16QAM		1	1	20.87	0.122	**20.92**	**0.124**	20.78	0.120

NR Band 12												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							141300 (706.5 ㎒)		141500 (707.5 ㎒)		141700 (708.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.83	0.192	22.82	0.191	22.76	0.189
			QPSK		1	1	22.95	0.197	**22.96**	**0.198**	22.84	0.192
			16QAM		1	1	21.84	0.153	**21.85**	**0.153**	21.74	0.149
			64QAM		1	1	20.54	0.113	20.54	0.113	20.48	0.112
			256QAM		1	1	17.95	0.062	17.87	0.061	17.89	0.062
			BPSK	Inner_1RB Right	1	77	22.75	0.188	22.72	0.187	22.61	0.182
			QPSK		1	77	22.76	0.189	22.71	0.187	22.74	0.188
			BPSK	Inner_Full	36	18	22.80	0.191	**22.84**	**0.192**	22.80	0.191
			QPSK		36	18	22.83	0.192	22.94	0.197	22.81	0.191
			BPSK	Outer_Full	75	0	21.84	0.153	21.85	0.153	21.75	0.150
			QPSK		75	0	21.82	0.152	21.80	0.151	21.79	0.151
			BPSK	Edge_1RB Left	1	0	21.77	0.150	21.80	0.151	21.79	0.151
			QPSK		1	0	21.86	0.153	21.77	0.150	21.86	0.153
			BPSK	Edge_Full Left	2	0	21.85	0.153	21.68	0.147	21.84	0.153
			QPSK		2	0	21.87	0.154	21.75	0.150	21.81	0.152
			BPSK	Edge_1RB Right	1	78	21.72	0.149	21.66	0.147	21.65	0.146
			QPSK		1	78	21.70	0.148	21.86	0.153	21.73	0.149
			BPSK	Edge_Full Right	2	77	21.77	0.150	21.75	0.150	21.79	0.151
			QPSK		2	77	21.78	0.151	21.85	0.153	21.79	0.151
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.55	0.143	**21.55**	**0.143**	21.48	0.141
			16QAM		1	1	20.92	0.124	**20.92**	**0.124**	20.85	0.122

NR Band 66													
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power						
							342500 (1 712.5 ㎒)		349000 (1 745.0 ㎒)		355500 (1 777.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
5	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	**23.30**	**0.214**	23.26	0.212	23.05	0.202
			QPSK		1	1	**23.35**	**0.216**	23.28	0.213	23.06	0.202
			16QAM		1	1	**22.21**	**0.166**	22.10	0.162	21.99	0.158
			64QAM		1	1	20.93	0.124	20.82	0.121	20.59	0.115
			256QAM		1	1	18.08	0.064	18.17	0.066	17.80	0.060
			BPSK	Inner_1RB Right	1	23	23.25	0.211	23.20	0.209	23.05	0.202
			QPSK		1	23	23.22	0.210	23.22	0.210	22.98	0.199
			BPSK	Inner_Full	12	6	23.28	0.213	23.18	0.208	23.15	0.207
			QPSK		12	6	23.24	0.211	23.20	0.209	22.97	0.198
			BPSK	Outer_Full	25	0	22.30	0.170	22.79	0.190	22.44	0.175
			QPSK		25	0	22.35	0.172	22.25	0.168	22.02	0.159
			BPSK	Edge_1RB Left	1	0	22.37	0.173	22.78	0.190	22.49	0.177
			QPSK		1	0	22.36	0.172	22.32	0.171	22.05	0.160
			BPSK	Edge_Full Left	2	0	22.34	0.171	22.82	0.191	22.39	0.173
			QPSK		2	0	22.36	0.172	22.35	0.172	22.09	0.162
			BPSK	Edge_1RB Right	1	24	22.23	0.167	22.72	0.187	22.43	0.175
			QPSK		1	24	22.22	0.167	22.22	0.167	21.97	0.157
			BPSK	Edge_Full Right	2	23	22.27	0.169	22.71	0.187	22.36	0.172
			QPSK		2	23	22.25	0.168	22.26	0.168	21.95	0.157
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.72	0.149	**21.78**	**0.151**	21.43	0.139
			16QAM		1	1	21.13	0.130	**21.23**	**0.133**	20.90	0.123

NR Band 66													
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power						
							343000 (1 715.0 ㎒)		349000 (1 745.0 ㎒)		355000 (1 775.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
10	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	**23.32**	**0.215**	23.13	0.206	23.06	0.202
			QPSK		1	1	**23.33**	**0.215**	23.14	0.206	23.05	0.202
			16QAM		1	1	**22.23**	**0.167**	22.04	0.160	21.92	0.156
			64QAM		1	1	20.92	0.124	20.78	0.120	20.65	0.116
			256QAM		1	1	18.21	0.066	18.10	0.065	17.90	0.062
			BPSK	Inner_1RB Right	1	50	23.19	0.208	23.08	0.203	22.91	0.195
			QPSK		1	50	23.23	0.210	23.04	0.201	22.86	0.193
			BPSK	Inner_Full	25	12	23.26	0.212	23.11	0.205	23.04	0.201
			QPSK		25	12	23.22	0.210	23.14	0.206	22.92	0.196
			BPSK	Outer_Full	50	0	22.17	0.165	22.02	0.159	21.98	0.158
			QPSK		50	0	22.24	0.167	22.20	0.166	21.97	0.157
			BPSK	Edge_1RB Left	1	0	22.28	0.169	22.28	0.169	22.06	0.161
			QPSK		1	0	22.26	0.168	22.21	0.166	21.99	0.158
			BPSK	Edge_Full Left	2	0	22.24	0.167	22.16	0.164	21.08	0.128
			QPSK		2	0	22.28	0.169	22.17	0.165	21.99	0.158
			BPSK	Edge_1RB Right	1	51	22.04	0.160	21.94	0.156	21.88	0.154
			QPSK		1	51	22.11	0.163	21.97	0.157	21.82	0.152
			BPSK	Edge_Full Right	2	50	21.11	0.129	21.10	0.129	20.76	0.119
			QPSK		2	50	20.77	0.119	20.65	0.116	20.42	0.110
		CP OFDM	QPSK	Inner_1RB Left	1	1	**21.90**	**0.155**	21.85	0.153	21.59	0.144
			16QAM		1	1	**21.30**	**0.135**	21.22	0.132	20.99	0.126

NR Band 66												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							343500 (1 717.5 MHz)		349000 (1 745.0 MHz)		354500 (1 772.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	**23.40**	**0.219**	23.35	0.216	23.17	0.207
			QPSK		1	1	23.36	0.217	**23.38**	**0.218**	23.12	0.205
			16QAM		1	1	**22.30**	**0.170**	22.21	0.166	21.88	0.154
			64QAM		1	1	20.97	0.125	20.96	0.125	20.69	0.117
			256QAM		1	1	18.17	0.066	18.22	0.066	17.97	0.063
			BPSK	Inner_1RB Right	1	77	23.15	0.207	23.04	0.201	22.95	0.197
			QPSK		1	77	23.12	0.205	23.14	0.206	22.86	0.193
			BPSK	Inner_Full	36	18	23.14	0.206	23.30	0.214	23.15	0.207
			QPSK		36	18	23.10	0.204	23.24	0.211	22.98	0.199
			BPSK	Outer_Full	75	0	22.28	0.169	22.11	0.163	21.96	0.157
			QPSK		75	0	22.26	0.168	22.15	0.164	21.99	0.158
			BPSK	Edge_1RB Left	1	0	22.38	0.173	22.24	0.167	22.05	0.160
			QPSK		1	0	22.30	0.170	22.28	0.169	22.07	0.161
			BPSK	Edge_Full Left	2	0	22.49	0.177	22.40	0.174	22.03	0.160
			QPSK		2	0	22.31	0.170	22.30	0.170	22.06	0.161
			BPSK	Edge_1RB Right	1	78	22.07	0.161	22.50	0.178	21.92	0.156
			QPSK		1	78	22.04	0.160	22.10	0.162	21.81	0.152
			BPSK	Edge_Full Right	2	77	22.01	0.159	22.11	0.163	22.82	0.191
			QPSK		2	77	21.99	0.158	22.11	0.163	21.83	0.152
		CP OFDM	QPSK	Inner_1RB Left	1	1	**21.92**	**0.156**	21.89	0.155	21.64	0.146
			16QAM		1	1	**21.32**	**0.136**	21.28	0.134	21.02	0.126

NR Band 66												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							344000 (1 720.0 MHz)		349000 (1 745.0 MHz)		354000 (1 770.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.41	0.219	**23.54**	**0.226**	23.22	0.210
			QPSK		1	1	**23.40**	**0.219**	23.34	0.216	23.17	0.207
			16QAM		1	1	**22.37**	**0.173**	22.21	0.166	22.05	0.160
			64QAM		1	1	20.98	0.125	20.93	0.124	20.77	0.119
			256QAM		1	1	18.03	0.064	18.22	0.066	17.96	0.063
			BPSK	Inner_1RB Right	1	104	23.16	0.207	23.11	0.205	23.01	0.200
			QPSK		1	104	23.08	0.203	23.00	0.200	22.82	0.191
			BPSK	Inner_Full	50	25	23.23	0.210	23.21	0.209	23.09	0.204
			QPSK		50	25	23.25	0.211	23.21	0.209	23.04	0.201
			BPSK	Outer_Full	100	0	22.31	0.170	22.18	0.165	22.18	0.165
			QPSK		100	0	22.25	0.168	22.14	0.164	22.08	0.161
			BPSK	Edge_1RB Left	1	0	22.41	0.174	22.17	0.165	22.17	0.165
			QPSK		1	0	22.31	0.170	22.24	0.167	22.14	0.164
			BPSK	Edge_Full Left	2	0	22.40	0.174	22.31	0.170	22.14	0.164
			QPSK		2	0	22.31	0.170	22.25	0.168	22.14	0.164
			BPSK	Edge_1RB Right	1	105	21.96	0.157	21.98	0.158	21.81	0.152
			QPSK		1	105	22.01	0.159	21.87	0.154	21.78	0.151
			BPSK	Edge_Full Right	2	104	22.06	0.161	21.98	0.158	21.84	0.153
			QPSK		2	104	22.04	0.160	21.89	0.155	21.78	0.151
		CP OFDM	QPSK	Inner_1RB Left	1	1	**21.80**	**0.151**	21.77	0.150	21.64	0.146
			16QAM		1	1	21.22	0.132	**21.25**	**0.133**	21.03	0.127

NR Band 66													
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power						
							344500 (1 722.5 ㎒)		349000 (1 745.0 ㎒)		353500 (1 767.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
25	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.18	0.208	23.30	0.214	23.38	0.218
			QPSK		1	1	23.28	0.213	23.45	0.221	23.45	0.221
			16QAM		1	1	**22.55**	**0.180**	22.54	0.179	22.36	0.172
			64QAM		1	1	20.55	0.114	21.23	0.133	21.13	0.130
			256QAM		1	1	20.98	0.125	18.51	0.071	18.44	0.070
			BPSK	Inner_1RB Right	1	131	23.31	0.214	23.24	0.211	22.85	0.193
			QPSK		1	131	23.20	0.209	23.28	0.213	22.92	0.196
			BPSK	Inner_Full	64	32	23.30	0.214	**23.48**	**0.223**	23.36	0.217
			QPSK		64	32	23.36	0.217	**23.47**	**0.222**	23.33	0.215
			BPSK	Outer_Full	128	0	22.39	0.173	22.48	0.177	22.29	0.169
			QPSK		128	0	22.37	0.173	22.46	0.176	22.30	0.170
			BPSK	Edge_1RB Left	1	0	22.36	0.172	22.29	0.169	22.45	0.176
			QPSK		1	0	22.32	0.171	22.61	0.182	22.53	0.179
			BPSK	Edge_Full Left	2	0	22.36	0.172	22.58	0.181	22.52	0.179
			QPSK		2	0	22.37	0.173	22.55	0.180	22.51	0.178
			BPSK	Edge_1RB Right	1	132	22.21	0.166	22.07	0.161	21.83	0.152
			QPSK		1	132	22.20	0.166	22.21	0.166	21.88	0.154
			BPSK	Edge_Full Right	2	131	22.26	0.168	22.36	0.172	21.88	0.154
			QPSK		2	131	22.27	0.169	22.42	0.175	21.96	0.157
		CP OFDM	QPSK	Inner_1RB Left	1	1	22.03	0.160	**22.06**	**0.161**	21.99	0.158
			16QAM		1	1	21.25	0.133	**21.41**	**0.138**	21.36	0.137

NR Band 66													
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power						
							345000 (1 725.0 ㎒)		349000 (1 745.0 ㎒)		353000 (1 765.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
30	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.41	0.219	23.39	0.218	**23.45**	**0.221**
			QPSK		1	1	23.38	0.218	23.41	0.219	**23.43**	**0.220**
			16QAM		1	1	22.35	0.172	22.31	0.170	**22.40**	**0.174**
			64QAM		1	1	20.99	0.126	21.04	0.127	20.74	0.119
			256QAM		1	1	18.35	0.068	18.32	0.068	18.36	0.069
			BPSK	Inner_1RB Right	1	158	23.35	0.216	23.18	0.208	23.02	0.200
			QPSK		1	158	23.36	0.217	23.17	0.207	23.09	0.204
			BPSK	Inner_Full	80	40	23.27	0.212	23.28	0.213	23.03	0.201
			QPSK		80	40	23.37	0.217	23.35	0.216	23.15	0.207
			BPSK	Outer_Full	160	0	22.31	0.170	22.28	0.169	22.17	0.165
			QPSK		160	0	22.31	0.170	22.28	0.169	22.14	0.164
			BPSK	Edge_1RB Left	1	0	22.35	0.172	22.39	0.173	22.41	0.174
			QPSK		1	0	22.32	0.171	22.38	0.173	22.35	0.172
			BPSK	Edge_Full Left	2	0	22.32	0.171	22.38	0.173	22.47	0.177
			QPSK		2	0	22.36	0.172	22.35	0.172	22.46	0.176
			BPSK	Edge_1RB Right	1	159	22.38	0.173	22.16	0.164	22.14	0.164
			QPSK		1	159	22.31	0.170	22.12	0.163	22.01	0.159
			BPSK	Edge_Full Right	2	158	22.38	0.173	22.12	0.163	22.12	0.163
			QPSK		2	158	22.30	0.170	22.13	0.163	22.00	0.158
		CP OFDM	QPSK	Inner_1RB Left	1	1	**21.91**	**0.155**	21.89	0.155	21.71	0.148
			16QAM		1	1	**21.29**	**0.135**	21.21	0.132	21.15	0.130

NR Band 66												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							346000 (1 730.0 ㎒)		349000 (1 745.0 ㎒)		352000 (1 760.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
40	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.42	0.220	23.32	0.215	23.39	0.218
			QPSK		1	1	23.43	0.220	**23.55**	**0.226**	23.46	0.222
			16QAM		1	1	**22.32**	**0.171**	22.22	0.167	22.27	0.169
			64QAM		1	1	20.93	0.124	20.94	0.124	20.96	0.125
			256QAM		1	1	18.33	0.068	18.36	0.069	18.27	0.067
			BPSK	Inner_1RB Right	1	214	23.12	0.205	23.08	0.203	23.01	0.200
			QPSK		1	214	23.23	0.210	23.03	0.201	22.99	0.199
			BPSK	Inner_Full	108	54	23.36	0.217	**23.54**	**0.226**	23.31	0.214
			QPSK		108	54	23.37	0.217	23.52	0.225	23.33	0.215
			BPSK	Outer_Full	216	0	22.19	0.166	22.16	0.164	22.08	0.161
			QPSK		216	0	22.17	0.165	22.25	0.168	22.06	0.161
			BPSK	Edge_1RB Left	1	0	22.29	0.169	22.26	0.168	22.38	0.173
			QPSK		1	0	22.25	0.168	22.29	0.169	22.30	0.170
			BPSK	Edge_Full Left	2	0	20.56	0.114	20.46	0.111	20.70	0.117
			QPSK		2	0	22.27	0.169	22.24	0.167	22.33	0.171
			BPSK	Edge_1RB Right	1	215	20.68	0.117	20.64	0.116	20.60	0.115
			QPSK		1	215	22.17	0.165	21.97	0.157	22.00	0.158
			BPSK	Edge_Full Right	2	214	20.52	0.113	20.25	0.106	20.38	0.109
			QPSK		2	214	22.19	0.166	21.92	0.156	21.95	0.157
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.78	0.151	**21.90**	**0.155**	21.70	0.148
			16QAM		1	1	21.21	0.132	**21.30**	**0.135**	21.16	0.131

NR Band 71												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							133100 (665.5 ㎒)		136100 (680.5 ㎒)		139100 (695.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
5	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.76	0.189	22.58	0.181	22.72	0.187
			QPSK		1	1	22.83	0.192	22.61	0.182	22.83	0.192
			16QAM		1	1	21.75	0.150	**21.83**	**0.152**	21.73	0.149
			64QAM		1	1	20.36	0.109	20.55	0.114	20.44	0.111
			256QAM		1	1	17.74	0.059	17.78	0.060	17.83	0.061
			BPSK	Inner_1RB Right	1	23	22.62	0.183	22.79	0.190	22.81	0.191
			QPSK		1	23	**22.89**	**0.195**	22.86	0.193	22.84	0.192
			BPSK	Inner_Full	12	6	**22.87**	**0.194**	22.45	0.176	22.63	0.183
			QPSK		12	6	22.84	0.192	22.79	0.190	22.73	0.187
			BPSK	Outer_Full	25	0	22.36	0.172	22.07	0.161	21.84	0.153
			QPSK		25	0	21.92	0.156	21.91	0.155	21.88	0.154
			BPSK	Edge_1RB Left	1	0	22.35	0.172	21.95	0.157	21.84	0.153
			QPSK		1	0	21.83	0.152	21.96	0.157	21.82	0.152
			BPSK	Edge_Full Left	2	0	22.21	0.166	21.99	0.158	21.72	0.149
			QPSK		2	0	21.86	0.153	21.97	0.157	21.86	0.153
			BPSK	Edge_1RB Right	1	24	22.29	0.169	21.94	0.156	21.81	0.152
			QPSK		1	24	21.92	0.156	21.89	0.155	21.87	0.154
			BPSK	Edge_Full Right	2	23	22.26	0.168	22.03	0.160	21.84	0.153
			QPSK		2	23	21.90	0.155	21.90	0.155	21.91	0.155
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.32	0.136	**21.40**	**0.138**	21.38	0.137
			16QAM		1	1	20.75	0.119	20.79	0.120	**20.85**	**0.122**

NR Band 71												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							133600 (668.0 ㎒)		136100 (680.5 ㎒)		138600 (693.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
10	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.70	0.186	**22.75**	**0.188**	22.56	0.180
			QPSK		1	1	22.75	0.188	22.86	0.193	22.72	0.187
			16QAM		1	1	21.63	0.146	**21.83**	**0.152**	21.47	0.140
			64QAM		1	1	20.39	0.109	20.53	0.113	20.31	0.107
			256QAM		1	1	17.77	0.060	17.96	0.063	17.73	0.059
			BPSK	Inner_1RB Right	1	50	22.51	0.178	22.26	0.168	22.57	0.181
			QPSK		1	50	**22.90**	**0.195**	22.82	0.191	22.72	0.187
			BPSK	Inner_Full	25	12	22.68	0.185	22.65	0.184	22.64	0.184
			QPSK		25	12	22.75	0.188	22.75	0.188	22.66	0.185
			BPSK	Outer_Full	50	0	22.19	0.166	21.95	0.157	21.80	0.151
			QPSK		50	0	21.98	0.158	21.86	0.153	21.71	0.148
			BPSK	Edge_1RB Left	1	0	21.86	0.153	21.89	0.155	21.56	0.143
			QPSK		1	0	21.73	0.149	21.80	0.151	21.66	0.147
			BPSK	Edge_Full Left	2	0	21.98	0.158	21.82	0.152	21.68	0.147
			QPSK		2	0	21.80	0.151	21.82	0.152	21.69	0.148
			BPSK	Edge_1RB Right	1	51	21.94	0.156	20.31	0.107	21.69	0.148
			QPSK		1	51	21.84	0.153	21.74	0.149	21.68	0.147
			BPSK	Edge_Full Right	2	50	22.07	0.161	21.73	0.149	21.68	0.147
			QPSK		2	50	21.86	0.153	21.77	0.150	21.68	0.147
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.34	0.136	**21.45**	**0.140**	21.25	0.133
			16QAM		1	1	20.73	0.118	**20.84**	**0.121**	20.65	0.116

NR Band 71												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							134100 (670.5 ㎒)		136100 (680.5 ㎒)		138100 (690.5 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.76	0.189	22.76	0.189	22.59	0.182
			QPSK		1	1	22.69	0.186	**22.85**	**0.193**	22.69	0.186
			16QAM		1	1	21.66	0.147	**21.81**	**0.152**	21.58	0.144
			64QAM		1	1	20.37	0.109	20.51	0.112	20.32	0.108
			256QAM		1	1	17.63	0.058	17.86	0.061	17.67	0.058
			BPSK	Inner_1RB Right	1	77	22.49	0.177	**22.83**	**0.192**	22.68	0.185
			QPSK		1	77	22.85	0.193	22.83	0.192	22.73	0.187
			BPSK	Inner_Full	36	18	22.83	0.192	22.62	0.183	22.51	0.178
			QPSK		36	18	22.83	0.192	22.63	0.183	22.69	0.186
			BPSK	Outer_Full	75	0	22.27	0.169	22.04	0.160	21.63	0.146
			QPSK		75	0	21.85	0.153	21.97	0.157	21.72	0.149
			BPSK	Edge_1RB Left	1	0	21.87	0.154	21.91	0.155	21.56	0.143
			QPSK		1	0	21.67	0.147	21.83	0.152	21.67	0.147
			BPSK	Edge_Full Left	2	0	21.95	0.157	21.84	0.153	21.74	0.149
			QPSK		2	0	21.82	0.152	21.84	0.153	21.68	0.147
			BPSK	Edge_1RB Right	1	78	21.95	0.157	21.77	0.150	21.57	0.144
			QPSK		1	78	21.83	0.152	21.78	0.151	21.67	0.147
			BPSK	Edge_Full Right	2	77	21.94	0.156	21.93	0.156	21.72	0.149
			QPSK		2	77	21.88	0.154	21.86	0.153	21.68	0.147
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.32	0.136	**21.38**	**0.137**	21.27	0.134
			16QAM		1	1	20.75	0.119	**20.76**	**0.119**	20.65	0.116

NR Band 71												
BW (㎒)	SCS (㎑)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							134600 (673.0 ㎒)		136100 (680.5 ㎒)		137600 (688.0 ㎒)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
20	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.58	0.181	22.78	0.190	22.77	0.189
			QPSK		1	1	22.68	0.185	22.77	0.189	22.76	0.189
			16QAM		1	1	21.61	0.145	**21.74**	**0.149**	21.64	0.146
			64QAM		1	1	20.28	0.107	20.46	0.111	20.43	0.110
			256QAM		1	1	17.67	0.058	17.79	0.060	17.64	0.058
			BPSK	Inner_1RB Right	1	104	22.87	0.194	**22.87**	**0.194**	22.87	0.194
			QPSK		1	104	22.95	0.197	**22.98**	**0.199**	22.97	0.198
			BPSK	Inner_Full	50	25	22.76	0.189	22.81	0.191	22.62	0.183
			QPSK		50	25	22.85	0.193	22.86	0.193	22.63	0.183
			BPSK	Outer_Full	100	0	21.97	0.157	22.07	0.161	22.09	0.162
			QPSK		100	0	21.87	0.154	21.99	0.158	21.59	0.144
			BPSK	Edge_1RB Left	1	0	21.94	0.156	21.78	0.151	21.71	0.148
			QPSK		1	0	21.65	0.146	21.73	0.149	21.68	0.147
			BPSK	Edge_Full Left	2	0	21.71	0.148	21.78	0.151	21.72	0.149
			QPSK		2	0	21.63	0.146	21.75	0.150	21.68	0.147
			BPSK	Edge_1RB Right	1	105	21.82	0.152	21.84	0.153	21.56	0.143
			QPSK		1	105	21.80	0.151	21.88	0.154	21.55	0.143
			BPSK	Edge_Full Right	2	104	21.83	0.152	21.91	0.155	21.68	0.147
			QPSK		2	104	21.85	0.153	21.88	0.154	21.58	0.144
		CP OFDM	QPSK	Inner_1RB Left	1	1	21.26	0.134	**21.39**	**0.138**	21.25	0.133
			16QAM		1	1	20.69	0.117	**20.80**	**0.120**	20.66	0.116

ENDC

5A-n25A												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							374000 (1 870.0 MHz)		376500 (1 882.5 MHz)		379000 (1 895.0 MHz)	
							(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
40	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.10	0.204	**23.25**	**0.211**	23.05	0.202
			QPSK		1	1	23.11	0.205	23.18	0.208	22.98	0.199
			BPSK	Inner_1RB Right	1	214	22.55	0.180	22.71	0.187	22.63	0.183
			QPSK		1	214	22.50	0.178	22.53	0.179	22.47	0.177
66A-n5A												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							166800 (834.0 MHz)		167300 (836.5 MHz)		167800 (839.0 MHz)	
							(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
20	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	**22.64**	**0.184**	22.46	0.176	22.50	0.178
			QPSK		1	1	22.33	0.171	22.57	0.181	22.46	0.176
			BPSK	Inner_1RB Right	1	104	21.75	0.150	21.93	0.156	22.12	0.163
			QPSK		1	104	21.80	0.151	21.85	0.153	22.05	0.160
5A-n66A												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							344000 (1 720.0 MHz)		349000 (1 745.0 MHz)		354000 (1 770.0 MHz)	
							(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
20	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	23.16	0.207	23.24	0.211	**23.30**	**0.214**
			QPSK		1	1	23.18	0.208	23.16	0.207	23.05	0.202
			BPSK	Inner_1RB Right	1	104	23.05	0.202	23.11	0.205	22.98	0.199
			QPSK		1	104	22.88	0.194	22.97	0.198	22.83	0.192
66A-n71A												
BW (MHz)	SCS (kHz)	Modulation		RB allocation	RB Size	RB Offset	Conducted Output Power					
							134600 (673.0 MHz)		136100 (680.5 MHz)		137600 (688.0 MHz)	
							(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
20	15	DFT-S OFDM	BPSK	Inner_1RB Left	1	1	22.38	0.173	**22.56**	**0.180**	22.41	0.174
			QPSK		1	1	22.30	0.170	22.43	0.175	22.35	0.172
			BPSK	Inner_1RB Right	1	104	21.98	0.158	22.36	0.172	22.11	0.163
			QPSK		1	104	22.01	0.159	22.25	0.168	22.10	0.162

Note ;

The ENDC combination were compared at the bandwidth of the worst output of the SA mode, and only the data of the worst ENDC combination were reported.

4. Occupied Bandwidth

4.1. Limit

CFR 47, Section FCC §2.1049 and IC RSS-Gen Issue 5 6.7.

4.2. Test Procedure

FCC

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 × OBW is sufficient).
b. The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1 % to 5 % of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
d. Set the detection mode to peak, and the trace mode to max-hold.
e. If the instrument does not have a 99 % OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5 % of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5 % of the total is reached and record that frequency as the upper OBW frequency. The 99 % power OBW can be determined by computing the difference these two frequencies.
f. The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

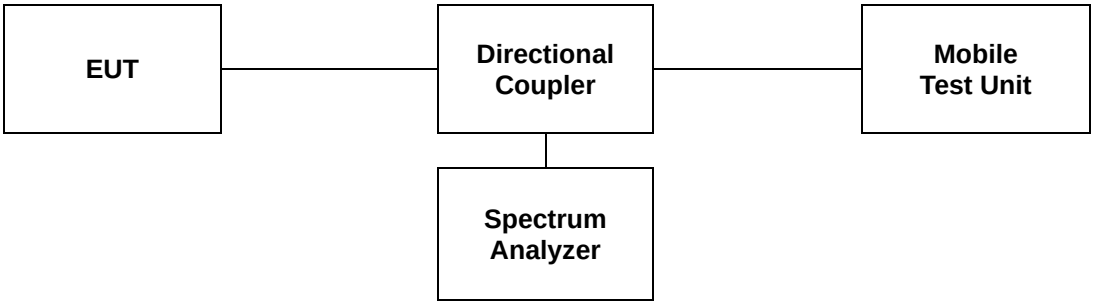
IC

The test follows section 6.7 of RSS-Gen Issue 5.
The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
- The detector of the spectrum analyzer shall be set to “Sample”. However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or “Max Hold”) may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
- The resolution bandwidth (RBW) shall be in the range of 1 % to 5 % of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99 % emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99 % emission bandwidth).



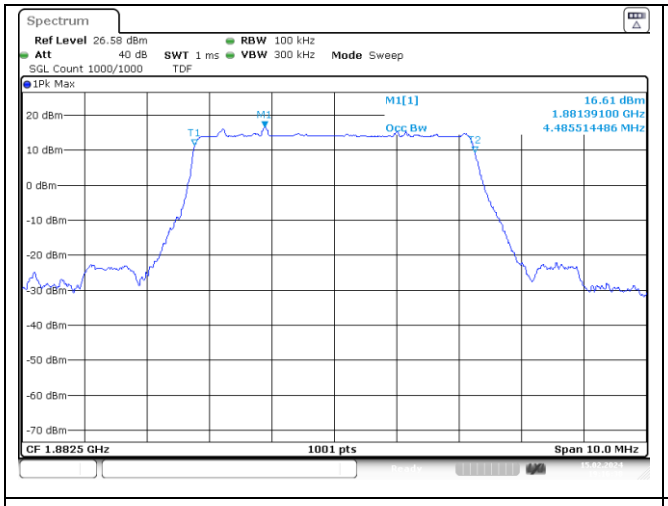
4.3 Test Results

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

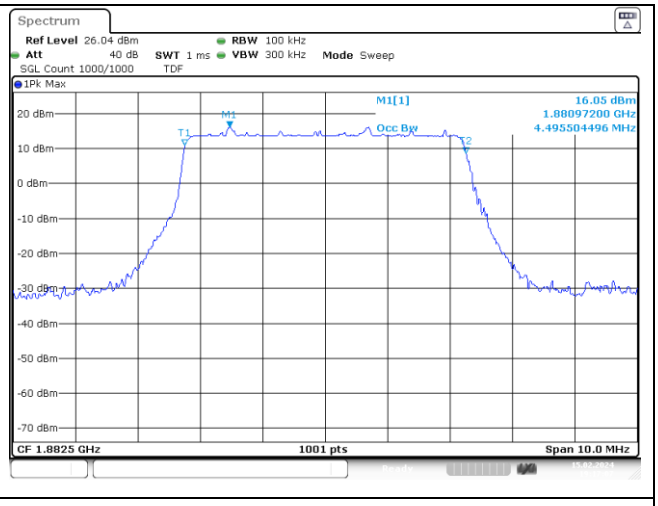
Band	SCS (㎑)	BW (㎒)	Frequency (㎒)	Occupied Bandwidth (㎒)				
				DFT-S-OFDM BPSK	DFT-S-OFDM QPSK	DFT-S-OFDM 16QAM	CP-OFDM QPSK	CP-OFDM 16QAM
25/2	15	5	1 882.5	4.486	4.496	4.515	4.515	4.515
		10		8.911	8.931	8.951	9.271	9.291
		15		13.457	13.457	13.516	14.176	14.116
		20		17.902	17.862	17.902	18.901	18.981
		25		23.372	23.372	23.372	24.168	24.168
		30		29.001	28.915	28.915	28.915	28.915
		40		38.784	39.016	38.784	38.784	38.669
Band	**SCS (㎑)**	**BW (㎒)**	**Frequency (㎒)**	**Occupied Bandwidth (㎒)**				
				DFT-S-OFDM BPSK	**DFT-S-OFDM QPSK**	**DFT-S-OFDM 16QAM**	**CP-OFDM QPSK**	**CP-OFDM 16QAM**
5	15	5	836.5	4.476	4.476	4.486	4.496	4.505
		10		8.931	8.931	8.971	9.291	9.271
		15		13.487	13.487	13.487	14.146	14.146
		20		17.862	17.862	17.862	18.941	18.941
Band	**SCS (㎑)**	**BW (㎒)**	**Frequency (㎒)**	**Occupied Bandwidth (㎒)**				
				DFT-S-OFDM BPSK	**DFT-S-OFDM QPSK**	**DFT-S-OFDM 16QAM**	**CP-OFDM QPSK**	**CP-OFDM 16QAM**
7	15	5	2 535	4.476	4.486	4.505	4.505	4.515
		10		8.911	8.951	8.951	9.291	9.271
		15		13.457	13.487	13.516	14.176	14.116
		20		17.942	17.902	17.902	18.941	18.981
Band	**SCS (㎑)**	**BW (㎒)**	**Frequency (㎒)**	**Occupied Bandwidth (㎒)**				
				DFT-S-OFDM BPSK	**DFT-S-OFDM QPSK**	**DFT-S-OFDM 16QAM**	**CP-OFDM QPSK**	**CP-OFDM 16QAM**
12	15	5	707.5	4.505	4.476	4.505	4.505	4.505
		10		8.911	8.931	8.951	9.291	9.291
		15		13.457	13.487	13.487	13.516	14.146
Band	**SCS (㎑)**	**BW (㎒)**	**Frequency (㎒)**	**Occupied Bandwidth (㎒)**				
				DFT-S-OFDM BPSK	**DFT-S-OFDM QPSK**	**DFT-S-OFDM 16QAM**	**CP-OFDM QPSK**	**CP-OFDM 16QAM**
66	15	5	1 745	4.486	4.486	4.515	4.505	4.505
		10		8.911	8.931	8.971	9.291	9.271
		15		13.487	13.487	13.516	14.176	14.146
		20		17.902	17.902	17.942	18.981	18.981
		25		22.877	22.927	22.927	23.776	23.826
		30		28.591	28.591	28.591	28.591	28.591
		40		38.601	38.761	38.681	38.601	38.601
Band	**SCS (㎑)**	**BW (㎒)**	**Frequency (㎒)**	**Occupied Bandwidth (㎒)**				
				DFT-S-OFDM BPSK	**DFT-S-OFDM QPSK**	**DFT-S-OFDM 16QAM**	**CP-OFDM QPSK**	**CP-OFDM 16QAM**
71	15	5	680.5	4.486	4.505	4.496	4.505	4.496
		10		8.891	8.931	8.931	9.271	9.251
		15		13.427	13.457	13.487	14.176	14.116
		20		17.862	17.862	17.862	18.901	18.941

- Test plots

NR band 25/2



5 ㎒ DFT-S-OFDM BPSK



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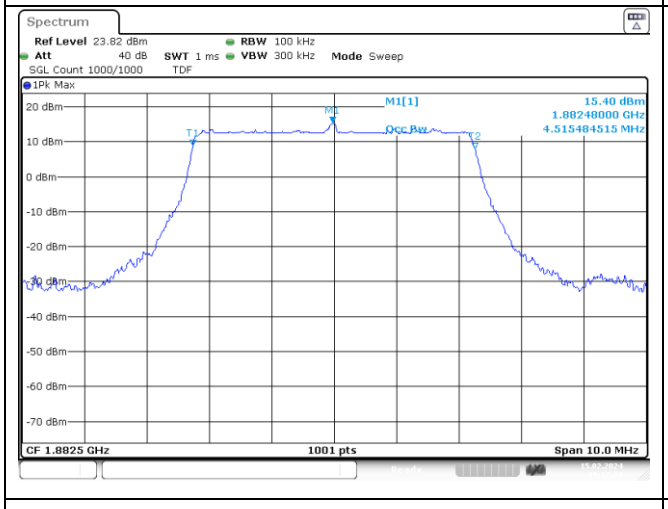
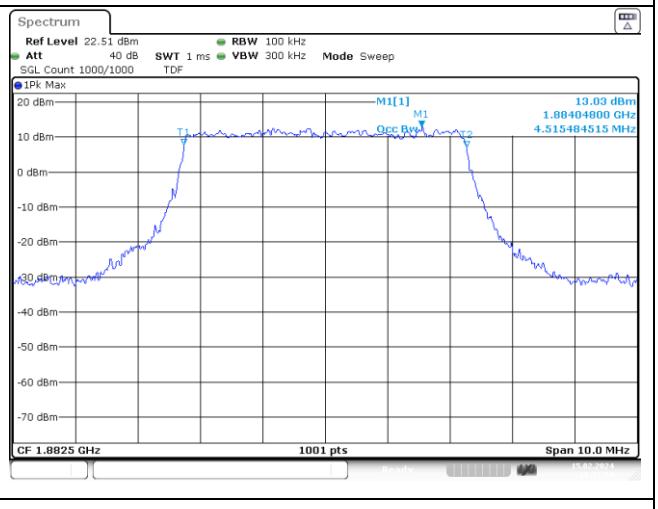
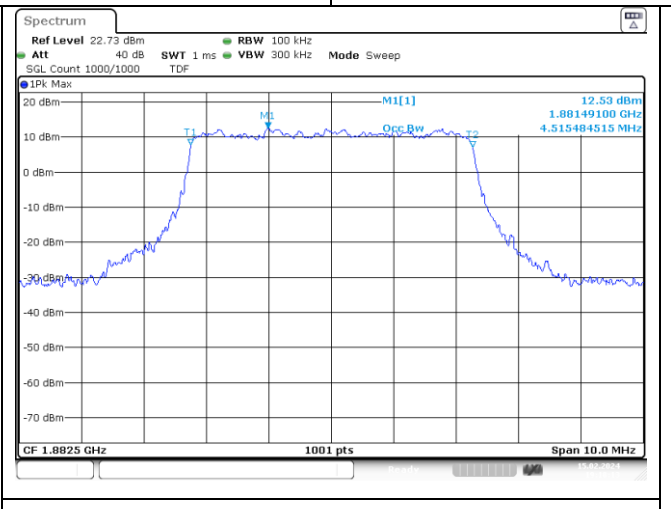


5 ㎒ DFT-S-OFDM 16QAM

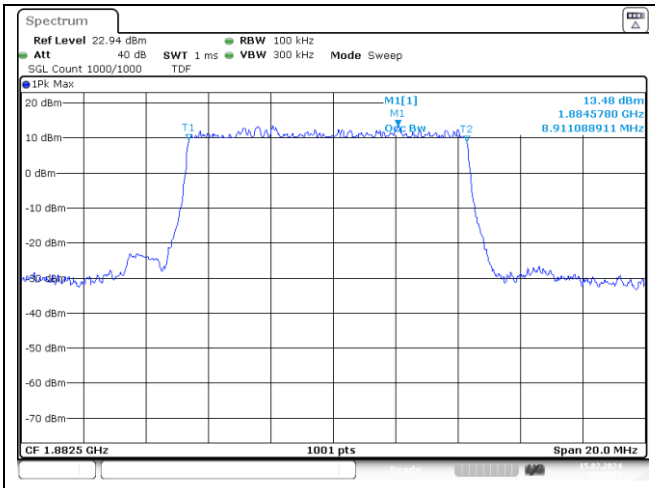


5 ㎒ CP-OFDM QPSK



5 ㎒ CP-OFDM 16QAM

NR band 25/2



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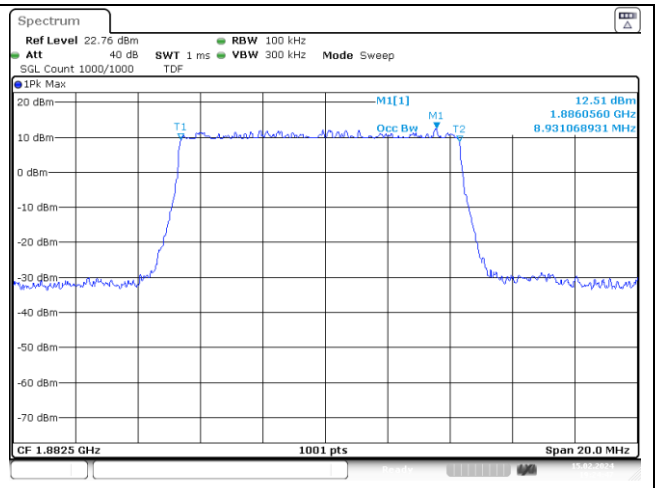

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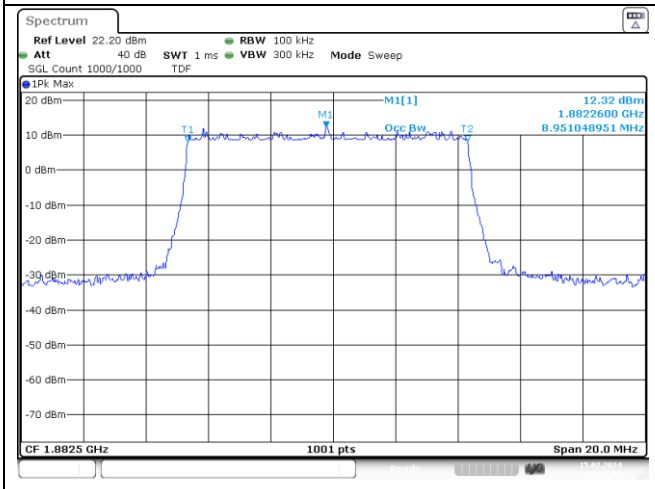

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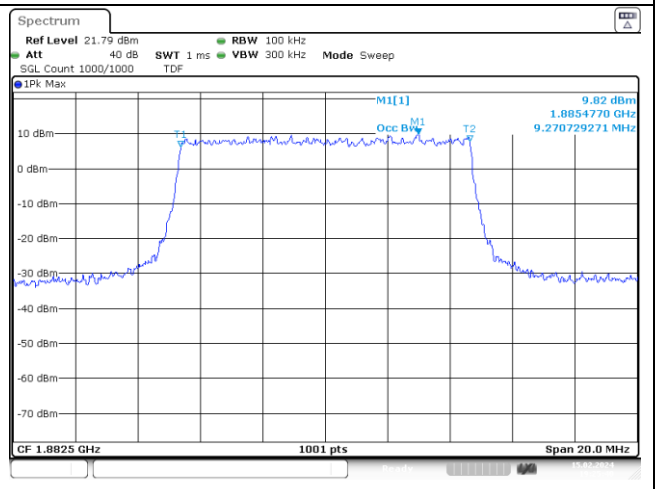

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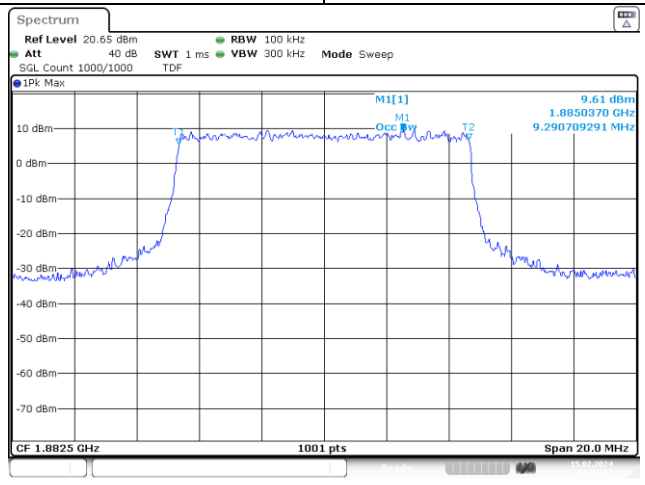
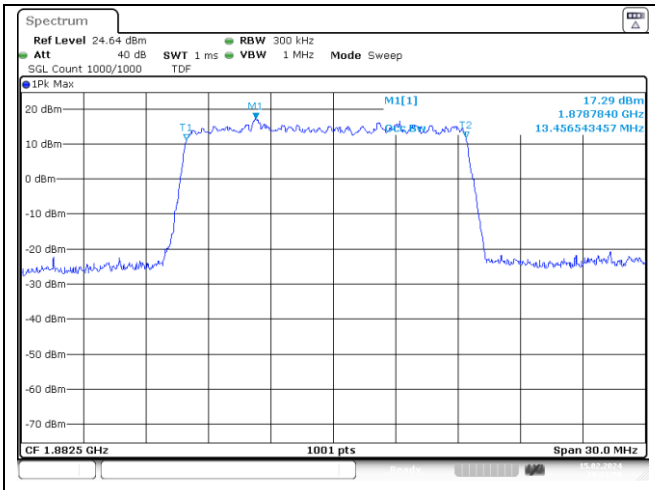
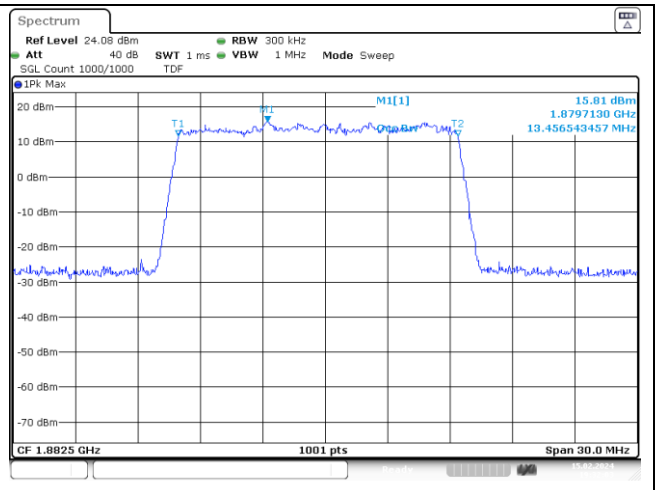


10 ㎒ CP-OFDM 16QAM

NR band 25/2



15 ㎒ DFT-S-OFDM BPSK



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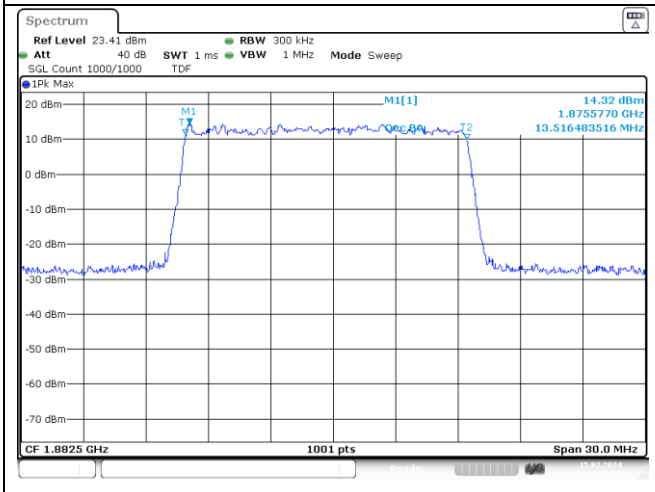

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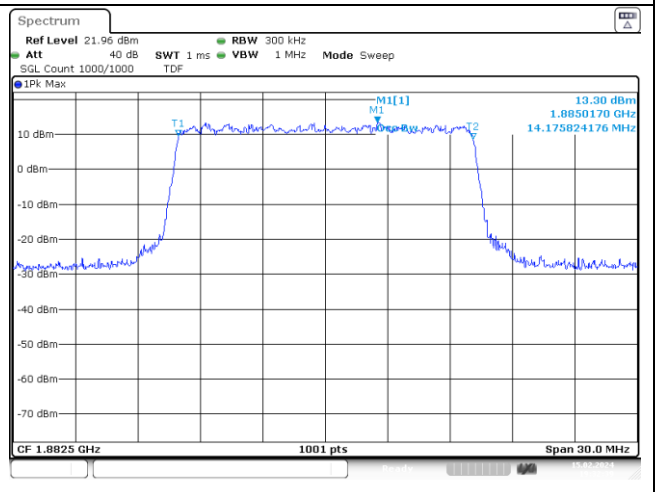
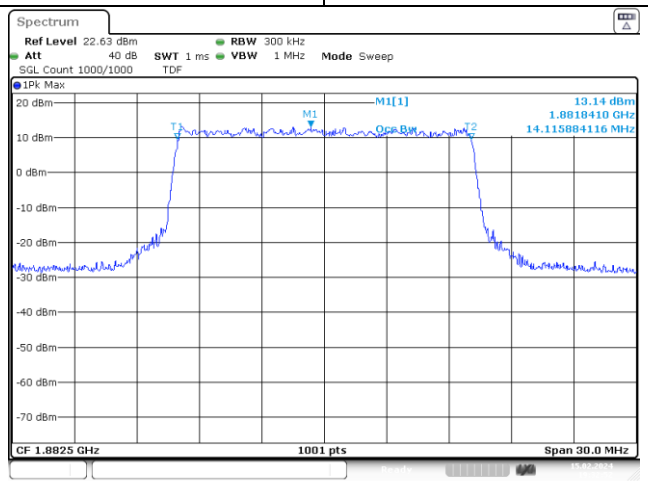
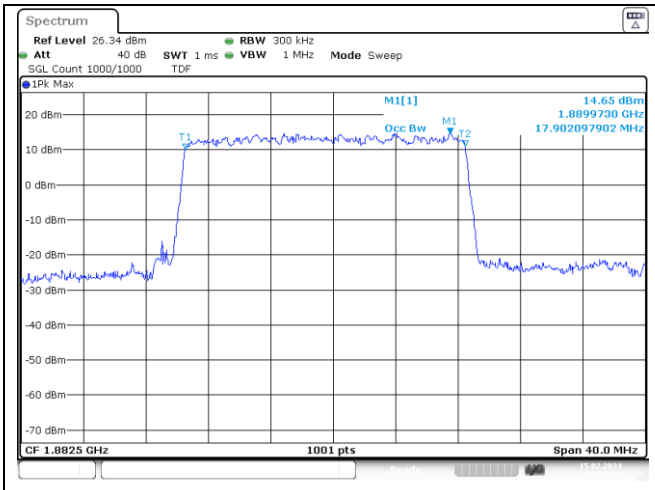


15 ㎒ CP-OFDM QPSK

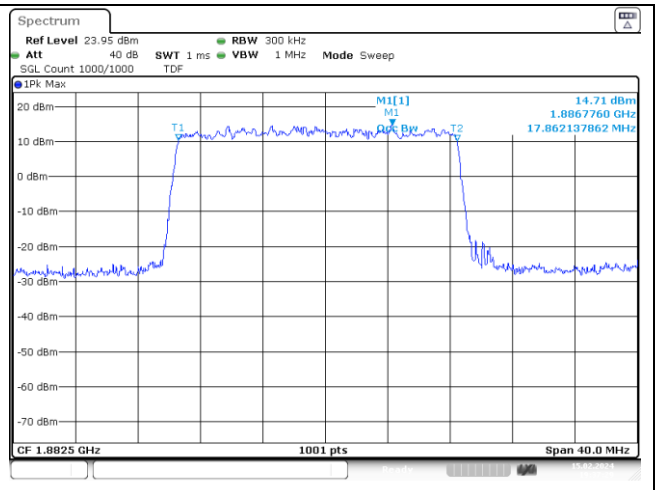


15 ㎒ CP-OFDM 16QAM

NR band 25/2



20 ㎒ DFT-S-OFDM BPSK



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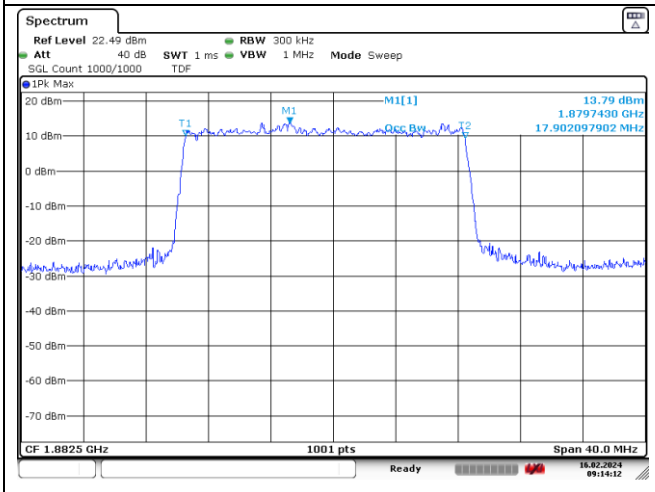
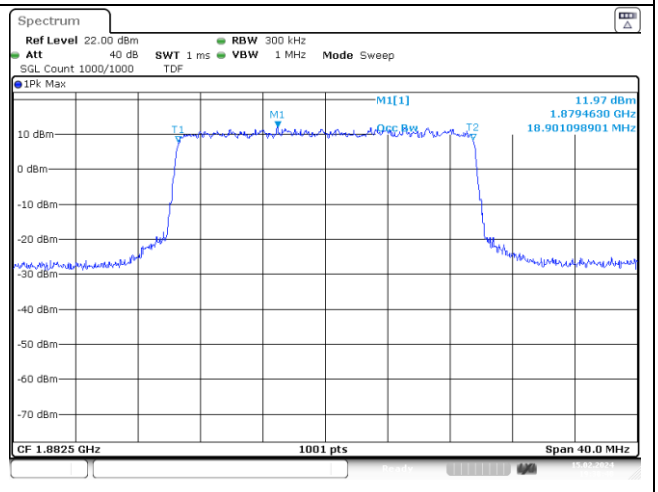


20 ㎒ DFT-S-OFDM 16QAM



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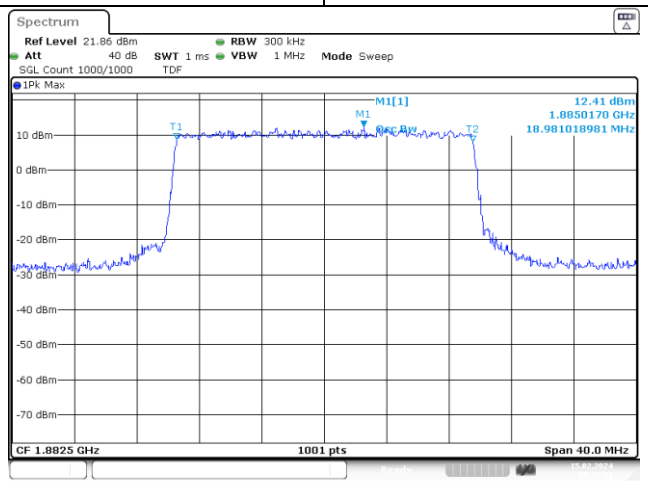
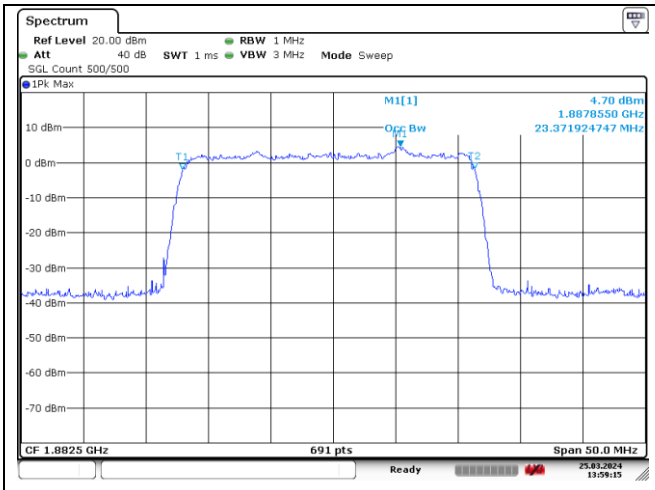


20 ㎒ CP-OFDM 16QAM

NR band 25/2



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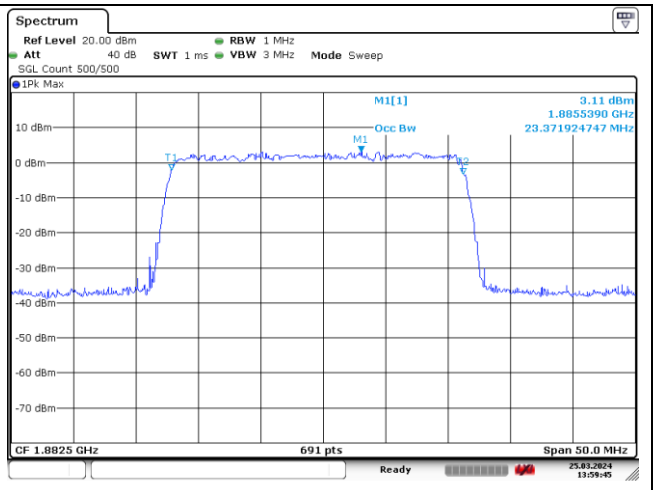

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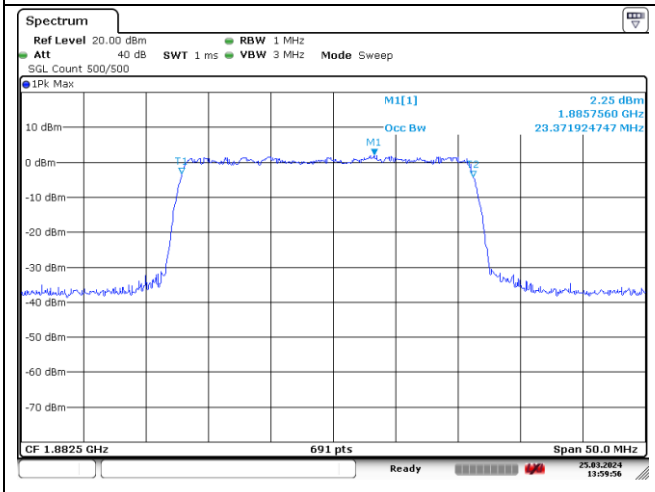

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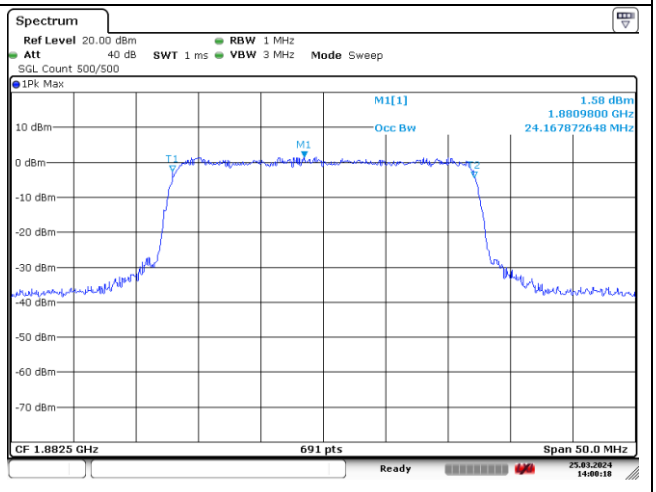

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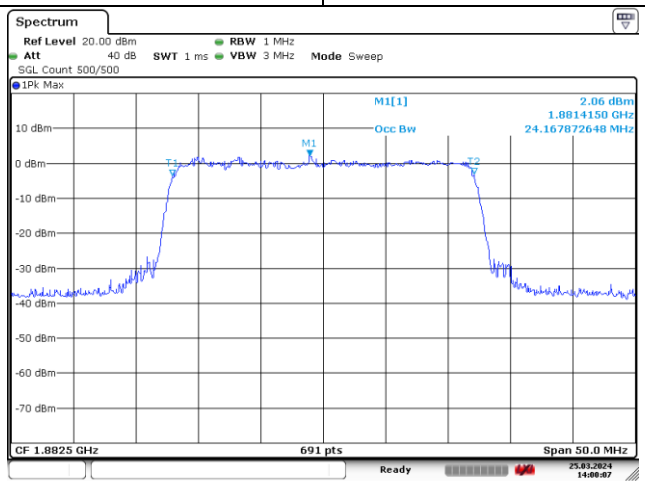
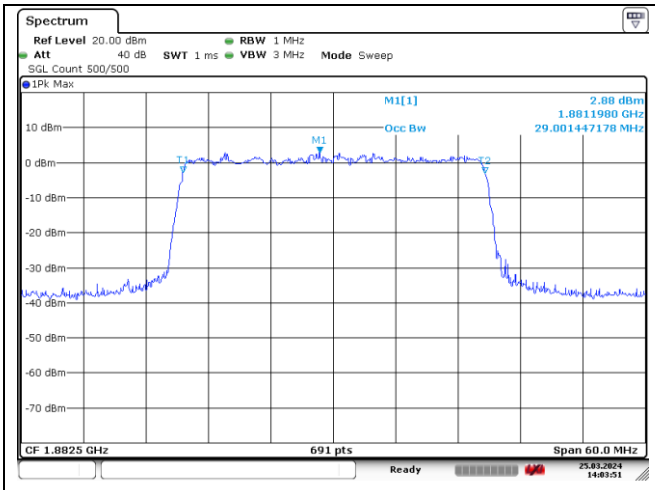
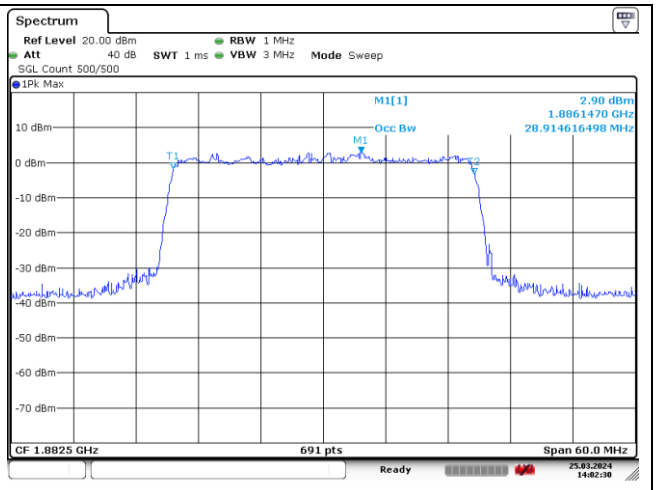


25 ㎒ CP-OFDM 16QAM

NR band 25/2



30 ㎒ DFT-S-OFDM BPSK



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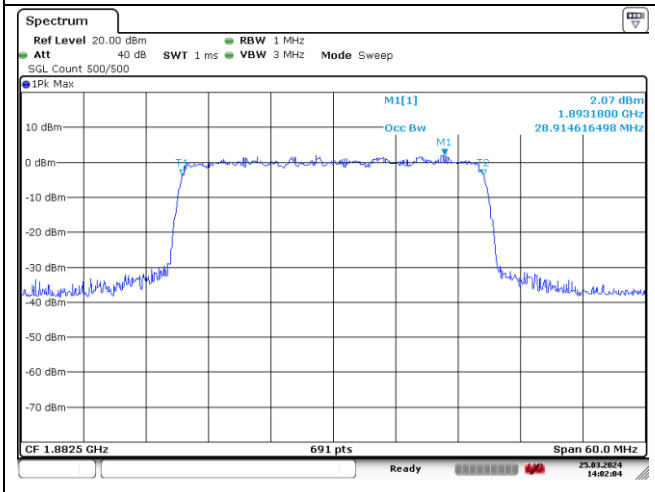

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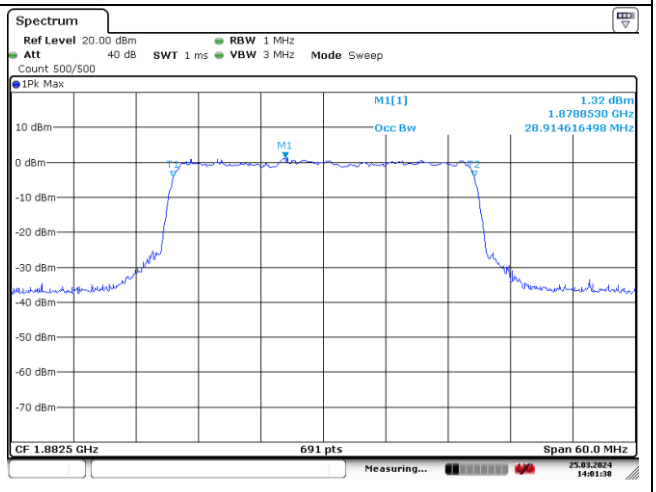

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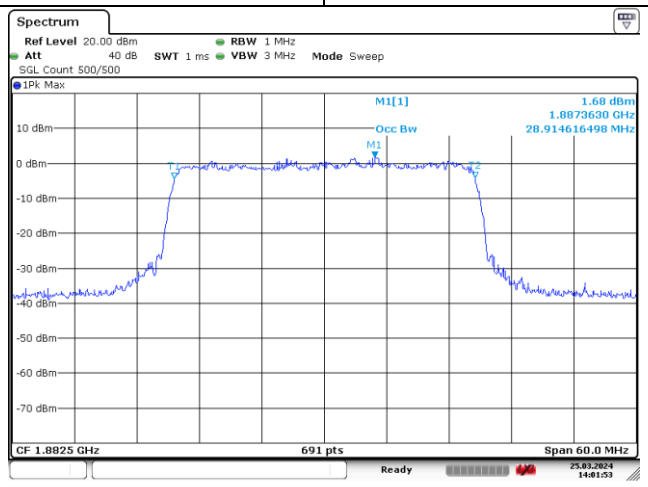

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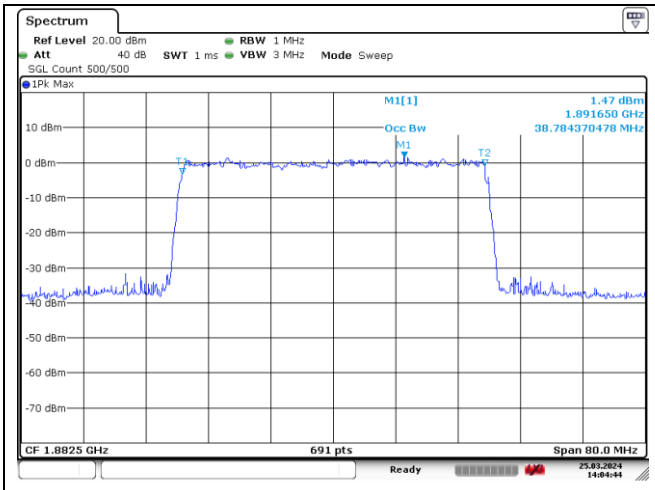
NR band 25/2



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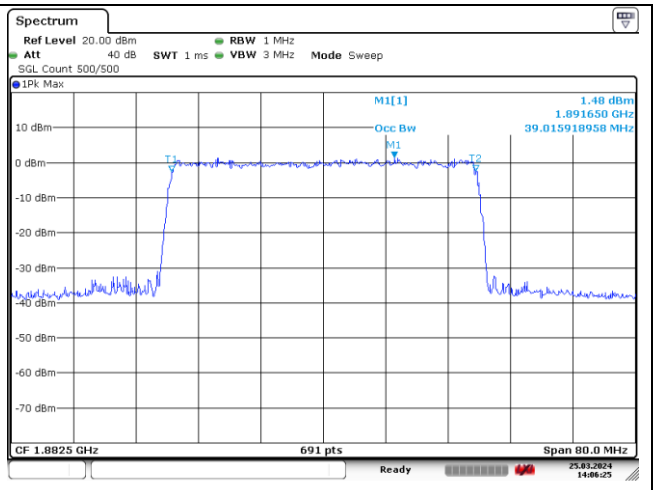

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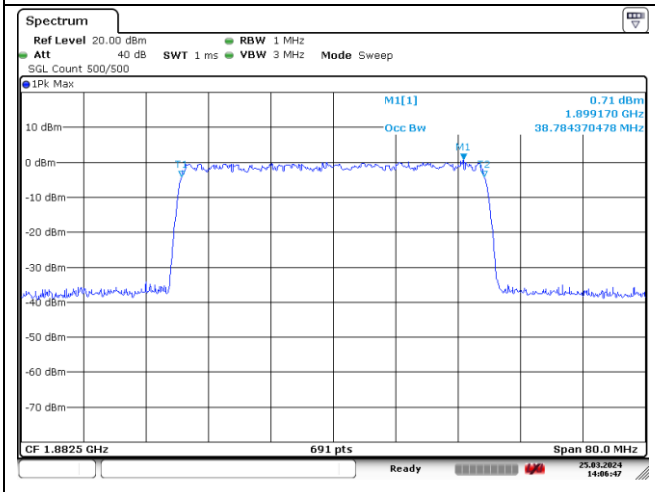

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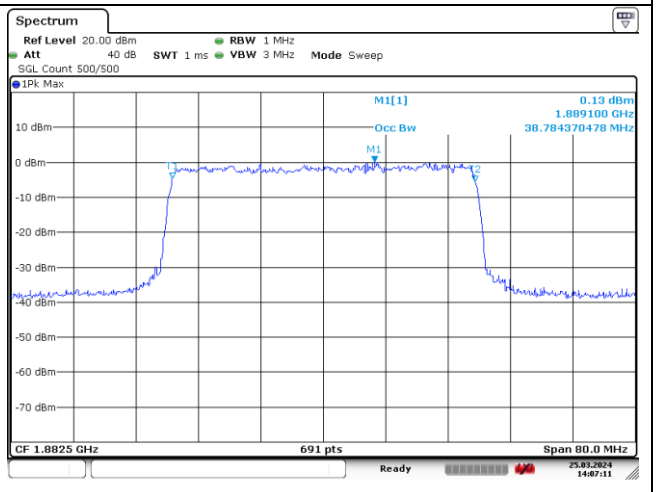

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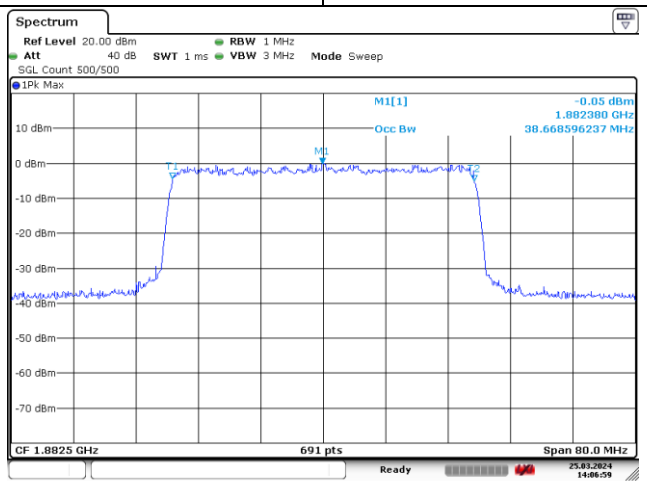

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