

TEST REPORT

of

FCC Part 2 Subpart J, Part 22 Subpart C/H,
Part 24 Subpart E, Part 27 Subpart C and Part90 Subpart R/S
IC RSS-130 Issue 2, RSS-132 Issue 4
RSS-133 Issue 6, RSS-139 Issue 4,
RSS-140 Issue 1, RSS-199 Issue 4 and RSS-GEN Issue 5

FCC ID: BEJTFGMEIBBCD1
IC Certification: 2703H-TFGMEIBBCD1

Equipment Under Test : Telematics
Model Name : TFGMEIBBCD1
Variant Model Name(s) : Refer to the page 4
Applicant : FCC: LG Electronics USA, Inc.
IC: LG ELECTRONICS INC.
Manufacturer : LG Electronics Inc.
Date of Receipt : 2024.05.08
Date of Test(s) : 2024.05.15 ~ 2024.07.18
Date of Issue : 2024.07.23

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.
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- 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:



Youngbin Kim

Technical
Manager:



Jinhyoung Cho

SGS Korea Co., Ltd. Gunpo Laboratory



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1. General Information

1.1. Testing Laboratory

SGS Korea Co., Ltd. (Gunpo Laboratory)

- 10-2, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807
- 4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807
- Designation number: KR0150

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1.2. Details of Applicant

FCC Applicant : LG Electronics USA, Inc.

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
Model Name	TFGMEIBBCD1
Variant Model Name	TFGMEIBBCD2, TFGMEIBBCD3
Serial Number	Conducted: 351015130017455 Radiated: 359381640005774
Power Supply	DC 13.5 V
Rated Power	NR Band 2, 5, 7, 12, 13, 14, 25, 26, 71: 24 dBm NR Band 66 : 23.5 dBm
Frequency Range	NR Band 2: 1 850 MHz ~ 1 910 MHz NR Band 5: 824 MHz ~ 849 MHz NR Band 7: 2 500 MHz ~ 2 570 MHz NR Band 12: 699 MHz ~ 716 MHz NR Band 13: 777 MHz ~ 787 MHz NR Band 14: 788 MHz ~ 798 MHz NR Band 25: 1 850 MHz ~ 1 915 MHz NR Band 26(FCC Only): 814 MHz ~ 824 MHz NR Band 26: 824 MHz ~ 849 MHz NR Band 66: 1 710 MHz ~ 1 780 MHz NR Band 71: 663 MHz ~ 698 MHz
Modulation Technique	BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna Type	Internal: Planar Inverted F Antenna External: Metal Antenna
Antenna Gain*	Refer to the clause 1.16
H/W Version	Rev.D
S/W Version	SW175
FVIN	SW170

1.5. Test Equipment List

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Interval	Cal. Due
Spectrum Analyzer	R&S	FSV30	100955	Mar. 08, 2024	Annual	Mar. 08, 2025
Signal Generator	R&S	SMA100B	106887	Oct. 06, 2023	Annual	Oct. 06, 2024
DC Power Supply	R&S	HMP2020	102133	Apr. 23, 2024	Annual	Apr. 23, 2025
Power Meter	Anritsu	ML2495A	1223004	May 29, 2024	Annual	May 29, 2025
Power Sensor	Anritsu	MA2411B	1207272	May 29, 2024	Annual	May 29, 2025
Communication Analyzer	Anritsu	MT8821C	6262116711	Apr. 08, 2024	Annual	Apr. 08, 2025
Communication Analyzer	Anritsu	MT8000A	6261867312	Apr. 08, 2024	Annual	Apr. 08, 2025
Directional Coupler	KRYTAR	152613	122661	Feb. 27, 2024	Annual	Feb. 27, 2025
Spectrum Analyzer	R&S	FSW43	100637	Apr. 08, 2024	Annual	Apr. 08, 2025
Coaxial Cable	RADIALL	TESTPRO 3	182287	Apr. 12, 2024	Semi-Annual	Oct. 12, 2024
Coaxial Cable	RADIALL	TESTPRO 3	182288	Apr. 12, 2024	Semi-Annual	Oct. 12, 2024
Coaxial Cable	RADIALL	TESTPRO 3	182291	Apr. 12, 2024	Semi-Annual	Oct. 12, 2024

1.6. Summary of Test Results

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 22, 24, 27 and 90 IC RSS-Gen Issue 5, RSS-130 Issue 2, RSS-132 Issue 4, RSS-133 Issue 6, RSS-139 Issue 4, RSS-140 Issue 1 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(b)(9) §27.50(c)(9)(10) §27.50(d)(4) §27.50(h)(2) §90.635(b) §90.542(a)(6)	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-140 Issue 1 4.3 RSS-199 Issue 4 5.5	E.R.P. / E.I.R.P.	N/A ²⁾
§22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h)(1) §27.53(m)(4) §90.543(e)(f) §90.691(a)	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-140 Issue 1 4.4 RSS-199 Issue 4 5.6	Spurious Radiated Emission	N/A ²⁾
§2.1046	RSS-Gen Issue 5 6.12	Conducted Output Power	Complied
§2.1049	RSS-Gen Issue 5 6.7	Occupied Bandwidth	N/A ²⁾
§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-140 Issue 1 4.3 RSS-199 Issue 4 5.5	Peak-Average Ratio	Complied
§22.917(a) §24.238(a) §27.53(c)(2)(4) §27.53(g) §27.53(h)(1) §27.53(m)(4) §90.543(e) §90.691(a)	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-140 Issue 1 4.4 RSS-199 Issue 4 5.6	Spurious Emission at Antenna Terminal	N/A ²⁾
§22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)(1) §27.53(m)(4) §90.543(e) §90.691(a)	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-140 Issue 1 4.4 RSS-199 Issue 4 5.6	Band Edge	N/A ²⁾
§2.1055 §22.355 §24.235 §27.54 §90.213(a)	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-140 Issue 1 4.2 RSS-199 Issue 4 5.4	Frequency Stability	N/A ²⁾

Note;

1) This product is C2PC case due to the addition of 256QAM modulation and ENDC combination for all 5G NR Bands.

2) All the bands of conducted output power with 256QAM modulation were lower than other modulation, so only Conducted output power and Peak-Average Ratio were tested.

1.7. Sample Calculation for Offset

Where relevant, the following sample calculation is provided:

1.7.1. Conducted Test

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

1.8. Device Capabilities

This device contains the following capabilities;

NR Band 2 (1 850 MHz ~ 1 910 MHz) is covered by NR Band 25 (1 850 MHz ~ 1 915 MHz) 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.

NR Band 5 (824 MHz ~ 849 MHz) is covered by NR Band 26 (814 MHz ~ 849 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth. Therefore test data provided in this report covers NR Band 5 as well as Band 26.

1.9. Spot Check Data

After confirming through preliminary conducted datas in the band that the performance of the FCC ID: BEJTM05FNNAGM0 and IC Certification: 2703H-TM05FNNAGM0 remains representative of FCC ID: BEJTFGMEIBBCD1 and IC Certification: 2703H-TFGMEIBBCD1.
The test data of FCC ID: BEJTM05FNNAGM0 and IC Certification: 2703H-TM05FNNAGM0 being submitted for this application to cover NR features.

Band	BW (MHz)	Frequency (MHz)	Modulation	Original model	Spot check model	Deviation (dB)	Remark
				TM05FNNAGM0	TFGMEIBBCD1		
				FCC ID: BEJTM05FNNAGM0 IC Certification: 2703H- TM05FNNAGM0	FCC ID: BEJTFGMEIBBCD1 IC Certification: 2703H- TFGMEIBBCD1		
NR 7	20	2 510.0	256QAM	19.27	19.15	0.12	-
NR 12	15	706.5	256QAM	20.02	19.91	0.11	-
NR 13	10	782.0	256QAM	19.71	19.52	0.19	-
NR 14	10	793.0	256QAM	19.77	19.69	0.08	
NR 25/2	10	1 910.0	256QAM	19.75	19.65	0.10	-
NR 26/5 Part 22	5	826.5	256QAM	20.41	20.32	0.09	-
NR 26 Part 90	10	819.0	256QAM	19.66	19.52	0.14	
NR 66	40	1 730.0	256QAM	19.77	19.61	0.16	
NR 71	15	670.5	256QAM	19.80	19.69	0.11	

1.10. Introduction of Test Data Reuse

This report referenced from the FCC ID: BEJTM05FNNAGM0 and IC Certification: 2703H-TM05FNNAGM0.
The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID and IC Certification.

1.11. Difference

Model name	Description
TM05FNNAGM0	- Reference model - Single modular
TFGMEIBBCD1	- Host equipment - Same to reference model except below - With external case - Internal antenna

1.12. Reference Detail

Reference applicant that contains the reused reference data in the individual test reports:

Equipment class	Reference FCC ID and IC Certification	Application type	Reference test report number	Exhibit type	Variant test report number	Data reuse
PCB	FCC ID: BEJTM05FNNAGM0 IC Certification: 2703H-TM05FNNAGM0	Original grant	F690501-RF-RTL005226 (LTE)	Test report	F690501-RF-RTL005275 (LTE)	All
			F690501-RF-RTL005227 (NR FDD)		F690501-RF-RTL005276 (NR FDD)	
			F690501-RF-RTL005228 (NR TDD)		F690501-RF-RTL005277 (NR TDD)	

1.13. Manufacturer Declaration

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

1.14. Measurement Uncertainty

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

Parameter	Uncertainty
Conducted Output Power	0.33 dB
Peak to Average Ratio	0.66 dB

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

1.15. Test Report Revision

Revision	Report Number	Date of Issue	Description
0	F690501-RF-RTL005276	2024.07.23	Initial

1.16. Antenna Information

Band	Operating Frequency (MHz)	Antenna Peak Gain (dB i)				
		Internal	External			
			84933920	87832572	85015365	85015378
NR 7	2 500 ~ 2 570	2.50	<u>5.99</u>	4.16	1.10	-1.14
NR 12	699 ~ 716	0.58	-1.05	<u>0.67</u>	-0.38	0.24
NR 13	777 ~ 787	0.44	-0.53	<u>3.72</u>	0	0.36
NR 14	788 ~ 798	0.44	-0.53	<u>3.72</u>	0.73	1.05
NR 25/2	1 850 ~ 1 915	2.23	5.12	<u>5.18</u>	0.08	1.27
NR 26	814 ~ 824	0.75	0.37	<u>5.22</u>	0.73	1.05
NR 26/5	824 ~ 849	0.75	0.37	<u>5.22</u>	0.37	0.62
NR 66	1 710 ~ 1 780	3.15	<u>5.54</u>	2.50	-0.90	-1.53
NR 71	663 ~ 698	0.58	0.37	<u>0.67</u>	-0.47	0.09

1.17. Information of Variant Model

Model Name		Description
Basic Model	TFGMEIBBCD1	- Dual GNSS
Variant Models	TFGMEIBBCD2	- Same to RF module with basic model except following function - Single GNSS and Ultra-super cruise service doesn't supported
	TFGMEIBBCD3	- Same to RF module with basic model except following function - Single GNSS and Ultra-super cruise service doesn't supported - eUICC part is different with TFGMEIBBCD2

Note;

The all test items performed with basic model.

2. Conducted Output Power

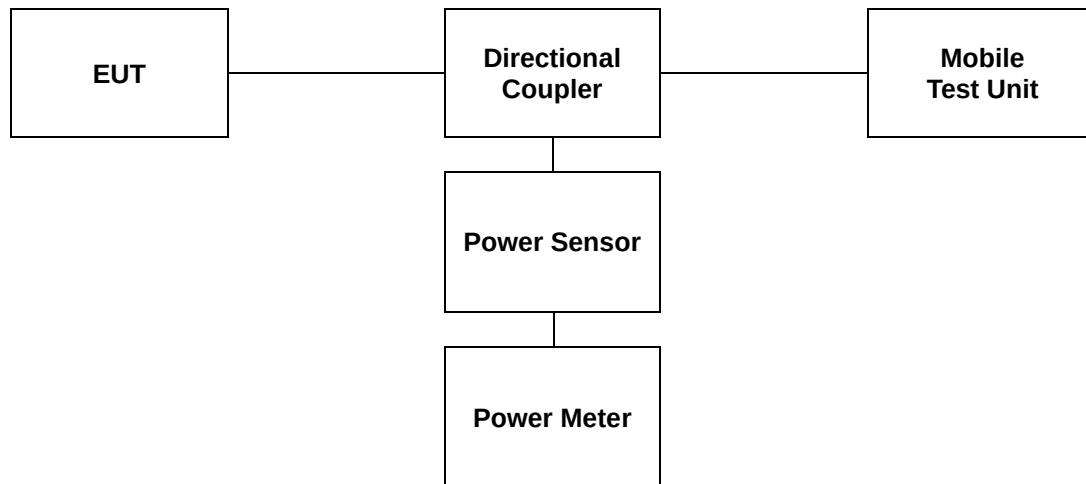
2.1. Limit

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

2.2. 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.



2.3. Test Result

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

NR Band 7												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	500500 (2 502.5 MHz)		507000 (2 535.0 MHz)		513500 (2 567.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.09	0.081	18.93	0.078	18.96	0.079
			256QAM	Inner_1RB Right	1	23	19.11	0.081	18.93	0.078	19.05	0.080
			256QAM	Inner_Full	12	6	19.13	0.082	18.89	0.077	18.93	0.078
			256QAM	Outer_Full	25	0	19.12	0.082	18.89	0.077	18.93	0.078
			256QAM	Edge_1RB Left	1	0	19.00	0.079	18.95	0.079	18.91	0.078
			256QAM	Edge_Full Left	2	0	19.09	0.081	18.92	0.078	18.97	0.079
			256QAM	Edge_1RB Right	1	24	19.14	0.082	18.85	0.077	19.01	0.080
			256QAM	Edge_Full Right	2	23	19.13	0.082	18.95	0.079	19.07	0.081
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.11	0.051	16.99	0.050	17.01	0.050
			256QAM	Inner_1RB Right	1	23	17.15	0.052	16.95	0.050	17.10	0.051
			256QAM	Inner_Full	13	6	17.11	0.051	16.90	0.049	16.95	0.050
			256QAM	Outer_Full	25	0	17.13	0.052	16.92	0.049	16.94	0.049
			256QAM	Edge_1RB Left	1	0	17.14	0.052	16.98	0.050	17.00	0.050
			256QAM	Edge_Full Left	2	0	17.06	0.051	16.94	0.049	16.96	0.050
			256QAM	Edge_1RB Right	1	24	17.16	0.052	16.97	0.050	17.08	0.051
			256QAM	Edge_Full Right	2	23	17.16	0.052	16.93	0.049	17.09	0.051

NR Band 7												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	501000 (2 505.0 MHz)		507000 (2 535.0 MHz)		513000 (2 565.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	18.90	0.078	18.95	0.079	18.90	0.078
			256QAM	Inner_1RB Right	1	50	<u>19.00</u>	<u>0.079</u>	18.87	0.077	18.91	0.078
			256QAM	Inner_Full	25	12	18.98	0.079	18.89	0.077	18.87	0.077
			256QAM	Outer_Full	50	0	18.99	0.079	18.91	0.078	18.93	0.078
			256QAM	Edge_1RB Left	1	0	18.93	0.078	18.95	0.079	18.91	0.078
			256QAM	Edge_Full Left	2	0	18.98	0.079	18.97	0.079	18.96	0.079
			256QAM	Edge_1RB Right	1	51	18.98	0.079	18.88	0.077	18.90	0.078
			256QAM	Edge_Full Right	2	50	18.98	0.079	18.91	0.078	18.91	0.078
		CP-OFDM	256QAM	Inner_1RB Left	1	1	16.97	0.050	17.03	0.050	16.93	0.049
			256QAM	Inner_1RB Right	1	50	16.98	0.050	16.92	0.049	16.93	0.049
			256QAM	Inner_Full	26	13	17.00	0.050	16.94	0.049	16.91	0.049
			256QAM	Outer_Full	52	0	<u>17.02</u>	<u>0.050</u>	16.93	0.049	16.92	0.049
			256QAM	Edge_1RB Left	1	0	16.99	0.050	17.01	0.050	16.92	0.049
			256QAM	Edge_Full Left	2	0	16.94	0.049	17.01	0.050	16.92	0.049
			256QAM	Edge_1RB Right	1	51	16.94	0.049	16.91	0.049	16.90	0.049
			256QAM	Edge_Full Right	2	50	16.98	0.050	16.91	0.049	16.93	0.049

NR Band 7												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	501500 (2 507.5 MHz)		507000 (2 535.0 MHz)		512500 (2 562.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.09	0.081	19.01	0.080	<u>19.21</u>	<u>0.083</u>
			256QAM	Inner_1RB Right	1	77	19.16	0.082	19.03	0.080	19.16	0.082
			256QAM	Inner_Full	36	18	19.04	0.080	19.08	0.081	19.15	0.082
			256QAM	Outer_Full	75	0	19.15	0.082	19.09	0.081	19.16	0.082
			256QAM	Edge_1RB Left	1	0	19.08	0.081	19.03	0.080	19.16	0.082
			256QAM	Edge_Full Left	2	0	19.15	0.082	19.06	0.081	19.18	0.083
			256QAM	Edge_1RB Right	1	78	19.17	0.083	19.09	0.081	19.17	0.083
			256QAM	Edge_Full Right	2	77	19.13	0.082	19.15	0.082	19.22	0.084
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.13	0.052	17.07	0.051	17.13	0.052
			256QAM	Inner_1RB Right	1	77	<u>17.23</u>	<u>0.053</u>	17.11	0.051	17.23	0.053
			256QAM	Inner_Full	39	19	17.02	0.050	17.05	0.051	17.20	0.052
			256QAM	Outer_Full	79	0	17.15	0.052	17.07	0.051	17.20	0.052
			256QAM	Edge_1RB Left	1	0	17.13	0.052	17.06	0.051	17.18	0.052
			256QAM	Edge_Full Left	2	0	17.08	0.051	17.02	0.050	17.09	0.051
			256QAM	Edge_1RB Right	1	78	17.23	0.053	17.09	0.051	17.18	0.052
			256QAM	Edge_Full Right	2	77	17.16	0.052	17.10	0.051	17.16	0.052

NR Band 7												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	502000 (2 510.0 MHz)		507000 (2 535.0 MHz)		512000 (2 560.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	20	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.11	0.081	19.00	0.079	19.05	0.080
			256QAM	Inner_1RB Right	1	104	19.15	0.082	19.07	0.081	19.13	0.082
			256QAM	Inner_Full	50	25	19.18	0.083	19.07	0.081	19.05	0.080
			256QAM	Outer_Full	100	0	19.17	0.083	19.10	0.081	19.13	0.082
			256QAM	Edge_1RB Left	1	0	19.06	0.081	19.03	0.080	19.00	0.079
			256QAM	Edge_Full Left	2	0	19.15	0.082	19.06	0.081	19.09	0.081
			256QAM	Edge_1RB Right	1	105	19.12	0.082	19.03	0.080	19.15	0.082
			256QAM	Edge_Full Right	2	104	19.27	0.085	19.05	0.080	19.22	0.084
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.14	0.052	17.07	0.051	16.99	0.050
			256QAM	Inner_1RB Right	1	104	17.13	0.052	17.06	0.051	17.18	0.052
			256QAM	Inner_Full	53	26	17.21	0.053	17.10	0.051	17.08	0.051
			256QAM	Outer_Full	106	0	17.17	0.052	16.95	0.050	17.16	0.052
			256QAM	Edge_1RB Left	1	0	17.16	0.052	17.06	0.051	17.03	0.050
			256QAM	Edge_Full Left	2	0	17.10	0.051	17.04	0.051	17.03	0.050
			256QAM	Edge_1RB Right	1	105	17.20	0.052	17.08	0.051	17.27	0.053
			256QAM	Edge_Full Right	2	104	17.11	0.051	17.02	0.050	17.13	0.052

NR Band 12												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	140300 (701.5 MHz)		141500 (707.5 MHz)		142700 (713.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.86	0.097	19.74	0.094	19.56	0.090
			256QAM	Inner_1RB Right	1	23	19.61	0.091	19.54	0.090	19.43	0.088
			256QAM	Inner_Full	12	6	19.73	0.094	19.60	0.091	19.50	0.089
			256QAM	Outer_Full	25	0	19.73	0.094	19.63	0.092	19.49	0.089
			256QAM	Edge_1RB Left	1	0	19.81	0.096	19.74	0.094	19.58	0.091
			256QAM	Edge_Full Left	2	0	19.87	0.097	19.71	0.094	19.60	0.091
			256QAM	Edge_1RB Right	1	24	19.60	0.091	19.53	0.090	19.44	0.088
			256QAM	Edge_Full Right	2	23	19.68	0.093	19.57	0.091	19.46	0.088
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.91	0.062	17.74	0.059	17.59	0.057
			256QAM	Inner_1RB Right	1	23	17.67	0.058	17.58	0.057	17.44	0.055
			256QAM	Inner_Full	13	6	17.71	0.059	17.61	0.058	17.47	0.056
			256QAM	Outer_Full	25	0	17.69	0.059	17.63	0.058	17.50	0.056
			256QAM	Edge_1RB Left	1	0	17.84	0.061	17.75	0.060	17.57	0.057
			256QAM	Edge_Full Left	2	0	17.81	0.060	17.70	0.059	17.57	0.057
			256QAM	Edge_1RB Right	1	24	17.65	0.058	17.55	0.057	17.45	0.056
			256QAM	Edge_Full Right	2	23	17.64	0.058	17.52	0.056	17.44	0.055

NR Band 12												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	140800 (704.0 MHz)		141500 (707.5 MHz)		142200 (711.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	<u>19.78</u>	<u>0.095</u>	19.73	0.094	19.61	19.61
			256QAM	Inner_1RB Right	1	50	19.63	0.092	19.57	0.091	19.45	19.45
			256QAM	Inner_Full	25	12	19.68	0.093	19.66	0.092	19.59	19.59
			256QAM	Outer_Full	50	0	19.68	0.093	19.64	0.092	19.56	19.56
			256QAM	Edge_1RB Left	1	0	19.73	0.094	19.71	0.094	19.61	19.61
			256QAM	Edge_Full Left	2	0	19.74	0.094	19.73	0.094	19.61	19.61
			256QAM	Edge_1RB Right	1	51	19.59	0.091	19.56	0.090	19.47	19.47
			256QAM	Edge_Full Right	2	50	19.63	0.092	19.59	0.091	19.50	19.50
		CP-OFDM	256QAM	Inner_1RB Left	1	1	<u>17.80</u>	<u>0.060</u>	17.70	0.059	17.63	17.63
			256QAM	Inner_1RB Right	1	50	17.58	0.057	17.60	0.058	17.53	17.53
			256QAM	Inner_Full	26	13	17.67	0.058	17.63	0.058	17.56	17.56
			256QAM	Outer_Full	52	0	17.68	0.059	17.64	0.058	17.56	17.56
			256QAM	Edge_1RB Left	1	0	17.76	0.060	17.69	0.059	17.64	17.64
			256QAM	Edge_Full Left	2	0	17.75	0.060	17.69	0.059	17.58	17.58
			256QAM	Edge_1RB Right	1	51	17.60	0.058	17.60	0.058	17.53	17.53
			256QAM	Edge_Full Right	2	50	17.63	0.058	17.57	0.057	17.51	17.51

NR Band 12												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	141300 (706.5 MHz)		141500 (707.5 MHz)		141700 (708.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	20.01	0.100	19.90	0.098	19.86	0.097
			256QAM	Inner_1RB Right	1	77	19.72	0.094	19.73	0.094	19.66	0.092
			256QAM	Inner_Full	36	18	19.84	0.096	19.82	0.096	19.79	0.095
			256QAM	Outer_Full	75	0	19.84	0.096	19.79	0.095	19.79	0.095
			256QAM	Edge_1RB Left	1	0	20.00	0.100	19.95	0.099	19.86	0.097
			256QAM	Edge_Full Left	2	0	20.02	0.100	20.01	0.100	19.87	0.097
			256QAM	Edge_1RB Right	1	78	19.67	0.093	19.69	0.093	19.67	0.093
			256QAM	Edge_Full Right	2	77	19.78	0.095	19.73	0.094	19.70	0.093
		CP-OFDM	256QAM	Inner_1RB Left	1	1	18.01	0.063	17.99	0.063	17.87	0.061
			256QAM	Inner_1RB Right	1	77	17.76	0.060	17.75	0.060	17.68	0.059
			256QAM	Inner_Full	39	19	17.80	0.060	17.77	0.060	17.77	0.060
			256QAM	Outer_Full	79	0	17.85	0.061	17.78	0.060	17.79	0.060
			256QAM	Edge_1RB Left	1	0	18.00	0.063	17.85	0.061	17.87	0.061
			256QAM	Edge_Full Left	2	0	17.98	0.063	17.84	0.061	17.80	0.060
			256QAM	Edge_1RB Right	1	78	17.77	0.060	17.72	0.059	17.70	0.059
			256QAM	Edge_Full Right	2	77	17.68	0.059	17.70	0.059	17.69	0.059

NR Band 13												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	155900 (779.5 MHz)		156400 (782.0 MHz)		156900 (784.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.40	0.087	19.56	0.090	<u>19.68</u>	<u>0.093</u>
			256QAM	Inner_1RB Right	1	23	19.42	0.087	19.46	0.088	19.61	0.091
			256QAM	Inner_Full	12	6	19.50	0.089	19.54	0.090	19.62	0.092
			256QAM	Outer_Full	25	0	19.55	0.090	19.66	0.092	19.55	0.090
			256QAM	Edge_1RB Left	1	0	19.45	0.088	19.58	0.091	19.56	0.090
			256QAM	Edge_Full Left	2	0	19.52	0.090	19.49	0.089	19.57	0.091
			256QAM	Edge_1RB Right	1	24	19.51	0.089	19.58	0.091	19.55	0.090
			256QAM	Edge_Full Right	2	23	19.58	0.091	19.59	0.091	19.62	0.092
		CP-OFDM	256QAM	Inner_1RB Left	1	1	<u>17.76</u>	<u>0.060</u>	17.62	0.058	17.65	0.058
			256QAM	Inner_1RB Right	1	23	17.55	0.057	17.72	0.059	17.61	0.058
			256QAM	Inner_Full	13	6	17.50	0.056	17.55	0.057	17.62	0.058
			256QAM	Outer_Full	25	0	17.61	0.058	17.61	0.058	17.63	0.058
			256QAM	Edge_1RB Left	1	0	17.55	0.057	17.68	0.059	17.54	0.057
			256QAM	Edge_Full Left	2	0	17.63	0.058	17.62	0.058	17.47	0.056
			256QAM	Edge_1RB Right	1	24	17.62	0.058	17.63	0.058	17.55	0.057
			256QAM	Edge_Full Right	2	23	17.57	0.057	17.67	0.058	17.61	0.058

NR Band 13												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	-		156400 (782.0 MHz)		-	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	-	-	19.59	0.091	-	-
			256QAM	Inner_1RB Right	1	50	-	-	19.71	0.094	-	-
			256QAM	Inner_Full	25	12	-	-	19.65	0.092	-	-
			256QAM	Outer_Full	50	0	-	-	19.68	0.093	-	-
			256QAM	Edge_1RB Left	1	0	-	-	19.51	0.089	-	-
			256QAM	Edge_Full Left	2	0	-	-	19.50	0.089	-	-
			256QAM	Edge_1RB Right	1	51	-	-	19.62	0.092	-	-
			256QAM	Edge_Full Right	2	50	-	-	19.61	0.091	-	-
		CP-OFDM	256QAM	Inner_1RB Left	1	1	-	-	17.55	0.057	-	-
			256QAM	Inner_1RB Right	1	50	-	-	17.68	0.059	-	-
			256QAM	Inner_Full	26	13	-	-	17.55	0.057	-	-
			256QAM	Outer_Full	52	0	-	-	17.51	0.056	-	-
			256QAM	Edge_1RB Left	1	0	-	-	17.68	0.059	-	-
			256QAM	Edge_Full Left	2	0	-	-	17.46	0.056	-	-
			256QAM	Edge_1RB Right	1	51	-	-	17.70	0.059	-	-
			256QAM	Edge_Full Right	2	50	-	-	17.69	0.059	-	-

NR Band 14												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	158100 (790.5 MHz)		158600 (793.0 MHz)		159100 (795.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.60	0.091	19.66	0.092	19.63	0.092
			256QAM	Inner_1RB Right	1	23	19.62	0.092	19.56	0.090	19.63	0.092
			256QAM	Inner_Full	12	6	19.70	0.093	19.64	0.092	19.65	0.092
			256QAM	Outer_Full	25	0	19.65	0.092	19.63	0.092	19.61	0.091
			256QAM	Edge_1RB Left	1	0	19.59	0.091	19.68	0.093	19.66	0.092
			256QAM	Edge_Full Left	2	0	19.62	0.092	19.69	0.093	19.68	0.093
			256QAM	Edge_1RB Right	1	24	19.65	0.092	19.56	0.090	19.68	0.093
			256QAM	Edge_Full Right	2	23	19.68	0.093	19.69	0.093	19.71	0.094
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.69	0.059	17.72	0.059	17.70	0.059
			256QAM	Inner_1RB Right	1	23	17.65	0.058	17.65	0.058	17.69	0.059
			256QAM	Inner_Full	13	6	17.60	0.058	17.65	0.058	17.64	0.058
			256QAM	Outer_Full	25	0	17.67	0.058	17.66	0.058	17.64	0.058
			256QAM	Edge_1RB Left	1	0	17.63	0.058	17.74	0.059	17.74	0.059
			256QAM	Edge_Full Left	2	0	17.60	0.058	17.67	0.058	17.67	0.058
			256QAM	Edge_1RB Right	1	24	17.68	0.059	17.64	0.058	17.70	0.059
			256QAM	Edge_Full Right	2	23	17.67	0.058	17.64	0.058	17.69	0.059

NR Band 14												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	-		158600 (793.0 MHz)		-	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	-	-	19.60	0.091	-	-
			256QAM	Inner_1RB Right	1	50	-	-	19.76	0.095	-	-
			256QAM	Inner_Full	25	12	-	-	19.61	0.091	-	-
			256QAM	Outer_Full	50	0	-	-	19.64	0.092	-	-
			256QAM	Edge_1RB Left	1	0	-	-	19.54	0.090	-	-
			256QAM	Edge_Full Left	2	0	-	-	19.60	0.091	-	-
			256QAM	Edge_1RB Right	1	51	-	-	19.73	0.094	-	-
			256QAM	Edge_Full Right	2	50	-	-	19.77	0.095	-	-
		CP-OFDM	256QAM	Inner_1RB Left	1	1	-	-	17.57	0.057	-	-
			256QAM	Inner_1RB Right	1	50	-	-	17.80	0.060	-	-
			256QAM	Inner_Full	26	13	-	-	17.62	0.058	-	-
			256QAM	Outer_Full	52	0	-	-	17.65	0.058	-	-
			256QAM	Edge_1RB Left	1	0	-	-	17.60	0.058	-	-
			256QAM	Edge_Full Left	2	0	-	-	17.56	0.057	-	-
			256QAM	Edge_1RB Right	1	51	-	-	17.80	0.060	-	-
			256QAM	Edge_Full Right	2	50	-	-	17.77	0.060	-	-

NR Band 25/2												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	370500 (1 852.5 MHz)		376500 (1 882.5 MHz)		382500 (1 912.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.41	0.087	19.55	0.090	19.61	0.091
			256QAM	Inner_1RB Right	1	23	19.55	0.090	19.61	0.091	19.63	0.092
			256QAM	Inner_Full	12	6	19.67	0.093	19.62	0.092	19.52	0.090
			256QAM	Outer_Full	25	0	19.55	0.090	19.71	0.094	19.66	0.092
			256QAM	Edge_1RB Left	1	0	19.56	0.090	19.62	0.092	19.55	0.090
			256QAM	Edge_Full Left	2	0	19.61	0.091	19.63	0.092	19.60	0.091
			256QAM	Edge_1RB Right	1	24	19.62	0.092	19.64	0.092	19.58	0.091
			256QAM	Edge_Full Right	2	23	19.67	0.093	19.75	0.094	19.66	0.092
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.66	0.058	17.65	0.058	17.65	0.058
			256QAM	Inner_1RB Right	1	23	17.59	0.057	17.61	0.058	17.61	0.058
			256QAM	Inner_Full	13	6	17.55	0.057	17.58	0.057	17.55	0.057
			256QAM	Outer_Full	25	0	17.61	0.058	17.71	0.059	17.61	0.058
			256QAM	Edge_1RB Left	1	0	17.63	0.058	17.62	0.058	17.58	0.057
			256QAM	Edge_Full Left	2	0	17.92	0.062	17.66	0.058	17.55	0.057
			256QAM	Edge_1RB Right	1	24	17.95	0.062	17.69	0.059	17.59	0.057
			256QAM	Edge_Full Right	2	23	17.94	0.062	17.65	0.058	17.58	0.057

NR Band 25/2												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	371000 (1 855.0 MHz)		376500 (1 882.5 MHz)		382000 (1 910.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.39	0.087	19.55	0.090	<u>19.75</u>	<u>0.094</u>
			256QAM	Inner_1RB Right	1	50	19.58	0.091	19.62	0.092	19.61	0.091
			256QAM	Inner_Full	25	12	19.55	0.057	19.70	0.093	19.60	0.091
			256QAM	Outer_Full	50	0	19.61	0.062	19.65	0.092	19.61	0.091
			256QAM	Edge_1RB Left	1	0	19.52	0.090	19.59	0.091	19.52	0.090
			256QAM	Edge_Full Left	2	0	19.71	0.094	19.62	0.092	19.55	0.090
			256QAM	Edge_1RB Right	1	51	19.75	0.094	19.65	0.092	19.69	0.093
			256QAM	Edge_Full Right	2	50	19.75	0.094	19.68	0.093	19.61	0.091
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.59	0.057	<u>17.69</u>	<u>0.059</u>	17.65	0.058
			256QAM	Inner_1RB Right	1	50	17.55	0.057	17.65	0.058	17.62	0.058
			256QAM	Inner_Full	26	13	17.50	0.056	17.60	0.058	17.66	0.058
			256QAM	Outer_Full	52	0	17.57	0.057	17.61	0.058	17.68	0.059
			256QAM	Edge_1RB Left	1	0	17.53	0.057	17.66	0.058	17.63	0.058
			256QAM	Edge_Full Left	2	0	17.50	0.056	17.69	0.059	17.65	0.058
			256QAM	Edge_1RB Right	1	51	17.58	0.057	17.61	0.058	17.63	0.058
			256QAM	Edge_Full Right	2	50	17.57	0.057	17.65	0.058	17.67	0.058

NR Band 25/2												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	371500 (1 857.5 MHz)		376500 (1 882.5 MHz)		381500 (1 907.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.62	0.092	19.52	0.090	19.49	0.089
			256QAM	Inner_1RB Right	1	77	19.22	0.084	19.52	0.090	19.40	0.087
			256QAM	Inner_Full	36	18	19.22	0.084	19.58	0.091	19.47	0.089
			256QAM	Outer_Full	75	0	19.23	0.084	19.59	0.091	19.44	0.088
			256QAM	Edge_1RB Left	1	0	19.60	0.091	19.56	0.090	19.45	0.088
			256QAM	Edge_Full Left	2	0	<u>19.67</u>	<u>0.093</u>	19.62	0.092	19.48	0.089
			256QAM	Edge_1RB Right	1	78	19.22	0.084	19.51	0.089	19.37	0.086
			256QAM	Edge_Full Right	2	77	19.25	0.084	19.54	0.090	19.42	0.087
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.59	0.057	<u>17.63</u>	<u>0.058</u>	17.48	0.056
			256QAM	Inner_1RB Right	1	77	17.26	0.053	17.51	0.056	17.40	0.055
			256QAM	Inner_Full	39	19	17.20	0.052	17.58	0.057	17.46	0.056
			256QAM	Outer_Full	79	0	17.27	0.053	17.57	0.057	17.47	0.056
			256QAM	Edge_1RB Left	1	0	17.63	0.058	17.63	0.058	17.53	0.057
			256QAM	Edge_Full Left	2	0	17.61	0.058	17.63	0.058	17.48	0.056
			256QAM	Edge_1RB Right	1	78	17.28	0.053	17.56	0.057	17.42	0.055
			256QAM	Edge_Full Right	2	77	17.27	0.053	17.48	0.056	17.38	0.055

NR Band 25/2												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	372000 (1 860.0 MHz)		376500 (1 882.5 MHz)		381000 (1 905.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	20	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.60	0.091	19.66	0.092	19.52	0.090
			256QAM	Inner_1RB Right	1	104	19.62	0.092	19.51	0.089	19.52	0.090
			256QAM	Inner_Full	50	25	19.70	0.093	19.65	0.092	19.58	0.091
			256QAM	Outer_Full	100	0	19.65	0.092	19.64	0.092	19.59	0.091
			256QAM	Edge_1RB Left	1	0	19.59	0.091	19.65	0.092	19.56	0.090
			256QAM	Edge_Full Left	2	0	19.62	0.092	19.68	0.093	19.62	0.092
			256QAM	Edge_1RB Right	1	105	19.65	0.092	19.63	0.092	19.51	0.089
			256QAM	Edge_Full Right	2	104	19.68	0.093	19.70	0.093	19.54	0.090
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.69	0.059	17.68	0.059	17.63	0.058
			256QAM	Inner_1RB Right	1	104	17.65	0.058	17.55	0.057	17.51	0.056
			256QAM	Inner_Full	53	26	17.60	0.058	17.65	0.058	17.58	0.057
			256QAM	Outer_Full	106	0	17.67	0.058	17.65	0.058	17.57	0.057
			256QAM	Edge_1RB Left	1	0	17.63	0.058	17.69	0.059	17.63	0.058
			256QAM	Edge_Full Left	2	0	17.60	0.058	17.71	0.059	17.63	0.058
			256QAM	Edge_1RB Right	1	105	17.68	0.059	17.65	0.058	17.56	0.057
			256QAM	Edge_Full Right	2	104	17.67	0.058	17.63	0.058	17.48	0.056

NR Band 26/5_Part 22												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	165300 (826.5 MHz)		167300 (836.5 MHz)		169300 (846.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	20.40	0.110	19.76	0.095	19.80	0.095
			256QAM	Inner_1RB Right	1	23	20.20	0.105	19.67	0.093	19.65	0.092
			256QAM	Inner_Full	12	6	20.28	0.107	19.80	0.095	19.70	0.093
			256QAM	Outer_Full	25	0	20.24	0.106	19.78	0.095	19.70	0.093
			256QAM	Edge_1RB Left	1	0	20.38	0.109	19.71	0.094	19.76	0.095
			256QAM	Edge_Full Left	2	0	20.41	0.110	19.80	0.095	19.81	0.096
			256QAM	Edge_1RB Right	1	24	20.30	0.107	19.66	0.092	19.62	0.092
			256QAM	Edge_Full Right	2	23	20.29	0.107	19.68	0.093	19.64	0.092
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.70	0.059	17.80	0.060	17.80	0.060
			256QAM	Inner_1RB Right	1	23	17.48	0.056	17.72	0.059	17.64	0.058
			256QAM	Inner_Full	13	6	17.58	0.057	17.81	0.060	17.72	0.059
			256QAM	Outer_Full	25	0	17.58	0.057	17.76	0.060	17.72	0.059
			256QAM	Edge_1RB Left	1	0	17.72	0.059	17.75	0.060	17.84	0.061
			256QAM	Edge_Full Left	2	0	18.40	0.069	17.76	0.060	17.82	0.061
			256QAM	Edge_1RB Right	1	24	17.62	0.058	17.72	0.059	17.64	0.058
			256QAM	Edge_Full Right	2	23	18.30	0.068	17.72	0.059	17.67	0.058

NR Band 26/5_Part 22												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	165800 (829.0 MHz)		167300 (836.5 MHz)		168800 (844.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.70	0.093	19.76	0.095	19.70	0.093
			256QAM	Inner_1RB Right	1	50	19.57	0.091	19.70	0.093	19.69	0.093
			256QAM	Inner_Full	25	12	19.61	0.091	19.78	0.095	19.72	0.094
			256QAM	Outer_Full	50	0	19.59	0.091	19.73	0.094	19.71	0.094
			256QAM	Edge_1RB Left	1	0	19.70	0.093	19.75	0.094	19.66	0.092
			256QAM	Edge_Full Left	2	0	19.70	0.093	19.73	0.094	19.70	0.093
			256QAM	Edge_1RB Right	1	51	19.60	0.091	19.68	0.093	19.64	0.092
			256QAM	Edge_Full Right	2	50	19.58	0.091	19.73	0.094	19.68	0.093
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.74	0.059	17.82	0.061	17.72	0.059
			256QAM	Inner_1RB Right	1	50	17.65	0.058	17.74	0.059	17.69	0.059
			256QAM	Inner_Full	26	13	17.62	0.058	17.78	0.060	17.75	0.060
			256QAM	Outer_Full	52	0	17.59	0.057	17.78	0.060	17.74	0.059
			256QAM	Edge_1RB Left	1	0	17.72	0.059	17.74	0.059	17.68	0.059
			256QAM	Edge_Full Left	2	0	17.70	0.059	17.74	0.059	17.66	0.058
			256QAM	Edge_1RB Right	1	51	17.61	0.058	17.73	0.059	17.71	0.059
			256QAM	Edge_Full Right	2	50	17.59	0.057	17.69	0.059	17.69	0.059

NR Band 26/5_Part 22												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	166300 (831.5 MHz)		167300 (836.5 MHz)		168300 (841.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.87	0.097	19.87	0.097	19.71	0.094
			256QAM	Inner_1RB Right	1	77	19.78	0.095	19.78	0.095	19.68	0.093
			256QAM	Inner_Full	36	18	19.81	0.096	19.81	0.096	19.68	0.093
			256QAM	Outer_Full	75	0	19.80	0.095	19.80	0.095	19.72	0.094
			256QAM	Edge_1RB Left	1	0	19.81	0.096	19.81	0.096	19.72	0.094
			256QAM	Edge_Full Left	2	0	19.89	0.097	<u>19.89</u>	<u>0.097</u>	19.72	0.094
			256QAM	Edge_1RB Right	1	78	19.74	0.094	19.74	0.094	19.67	0.093
			256QAM	Edge_Full Right	2	77	19.80	0.095	19.80	0.095	19.73	0.094
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.89	0.062	<u>17.89</u>	<u>0.062</u>	17.77	0.060
			256QAM	Inner_1RB Right	1	77	17.86	0.061	17.86	0.061	17.78	0.060
			256QAM	Inner_Full	39	19	17.79	0.060	17.79	0.060	17.69	0.059
			256QAM	Outer_Full	79	0	17.82	0.061	17.82	0.061	17.70	0.059
			256QAM	Edge_1RB Left	1	0	17.88	0.061	17.88	0.061	17.77	0.060
			256QAM	Edge_Full Left	2	0	17.84	0.061	17.84	0.061	17.74	0.059
			256QAM	Edge_1RB Right	1	78	17.79	0.060	17.79	0.060	17.70	0.059
			256QAM	Edge_Full Right	2	77	17.79	0.060	17.79	0.060	17.69	0.059

NR Band 26/5_Part 22												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	166800 (834.0 MHz)		167300 (836.5 MHz)		167800 (839.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	20	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.82	0.096	19.84	0.096	19.84	0.096
			256QAM	Inner_1RB Right	1	104	19.82	0.096	19.78	0.095	19.67	0.093
			256QAM	Inner_Full	50	25	19.68	0.093	19.79	0.095	19.77	0.095
			256QAM	Outer_Full	100	0	19.75	0.094	19.80	0.095	19.75	0.094
			256QAM	Edge_1RB Left	1	0	19.80	0.095	19.79	0.095	19.85	0.097
			256QAM	Edge_Full Left	2	0	19.83	0.096	<u>19.86</u>	<u>0.097</u>	19.85	0.097
			256QAM	Edge_1RB Right	1	105	19.78	0.095	19.71	0.094	19.73	0.094
			256QAM	Edge_Full Right	2	104	19.84	0.096	19.77	0.095	19.72	0.094
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.83	0.061	17.78	0.060	17.87	0.061
			256QAM	Inner_1RB Right	1	104	17.79	0.060	17.74	0.059	17.74	0.059
			256QAM	Inner_Full	53	26	17.77	0.060	17.81	0.060	17.74	0.059
			256QAM	Outer_Full	106	0	17.75	0.060	17.81	0.060	17.79	0.060
			256QAM	Edge_1RB Left	1	0	17.84	0.061	<u>17.91</u>	<u>0.062</u>	17.88	0.061
			256QAM	Edge_Full Left	2	0	17.79	0.060	17.79	0.060	17.81	0.060
			256QAM	Edge_1RB Right	1	105	17.88	0.061	17.81	0.060	17.72	0.059
			256QAM	Edge_Full Right	2	104	17.67	0.058	17.74	0.059	17.70	0.059

NR Band 26_Part 90												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	163300 (816.5 MHz)		163800 (819.0 MHz)		164300 (821.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	20.15	0.104	19.75	0.094	19.91	0.098
			256QAM	Inner_1RB Right	1	23	20.11	0.103	19.61	0.091	19.85	0.097
			256QAM	Inner_Full	12	6	20.18	0.104	19.55	0.090	19.65	0.092
			256QAM	Outer_Full	25	0	20.21	0.105	19.68	0.093	19.60	0.091
			256QAM	Edge_1RB Left	1	0	20.18	0.104	19.65	0.092	19.77	0.095
			256QAM	Edge_Full Left	2	0	20.15	0.104	19.59	0.091	19.85	0.097
			256QAM	Edge_1RB Right	1	24	20.15	0.104	19.63	0.092	19.55	0.090
			256QAM	Edge_Full Right	2	23	20.19	0.104	19.61	0.091	19.54	0.090
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.41	0.055	17.75	0.060	17.69	0.059
			256QAM	Inner_1RB Right	1	23	17.33	0.054	17.52	0.056	17.74	0.059
			256QAM	Inner_Full	13	6	17.48	0.056	17.66	0.058	17.50	0.056
			256QAM	Outer_Full	25	0	17.55	0.057	17.76	0.060	17.61	0.058
			256QAM	Edge_1RB Left	1	0	17.71	0.059	17.55	0.057	17.54	0.057
			256QAM	Edge_Full Left	2	0	18.10	0.065	17.46	0.056	17.52	0.056
			256QAM	Edge_1RB Right	1	24	17.19	0.052	17.69	0.059	17.34	0.054
			256QAM	Edge_Full Right	2	23	18.01	0.063	17.52	0.056	17.55	0.057

NR Band 26_Part 90												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	-		163800 (819.0 MHz)		-	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	-	-	19.65	0.092	-	-
			256QAM	Inner_1RB Right	1	50	-	-	19.55	0.090	-	-
			256QAM	Inner_Full	25	12	-	-	19.61	0.091	-	-
			256QAM	Outer_Full	50	0	-	-	19.53	0.090	-	-
			256QAM	Edge_1RB Left	1	0	-	-	19.59	0.091	-	-
			256QAM	Edge_Full Left	2	0	-	-	19.66	0.092	-	-
			256QAM	Edge_1RB Right	1	51	-	-	19.43	0.088	-	-
			256QAM	Edge_Full Right	2	50	-	-	19.61	0.091	-	-
		CP-OFDM	256QAM	Inner_1RB Left	1	1	-	-	17.62	0.058	-	-
			256QAM	Inner_1RB Right	1	50	-	-	17.65	0.058	-	-
			256QAM	Inner_Full	26	13	-	-	17.77	0.060	-	-
			256QAM	Outer_Full	52	0	-	-	17.61	0.058	-	-
			256QAM	Edge_1RB Left	1	0	-	-	17.64	0.058	-	-
			256QAM	Edge_Full Left	2	0	-	-	17.54	0.057	-	-
			256QAM	Edge_1RB Right	1	51	-	-	17.53	0.057	-	-
			256QAM	Edge_Full Right	2	50	-	-	17.55	0.057	-	-

NR Band 66												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	342500 (1 712.5 MHz)		349000 (1 745.0 MHz)		355500 (1 777.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.60	0.091	19.09	0.081	18.93	0.078
			256QAM	Inner_1RB Right	1	23	19.57	0.091	19.05	0.080	18.91	0.078
			256QAM	Inner_Full	12	6	19.60	0.091	19.11	0.081	18.93	0.078
			256QAM	Outer_Full	25	0	19.58	0.091	19.05	0.080	18.89	0.077
			256QAM	Edge_1RB Left	1	0	19.63	0.092	19.12	0.082	18.88	0.077
			256QAM	Edge_Full Left	2	0	19.61	0.091	19.12	0.082	18.95	0.079
			256QAM	Edge_1RB Right	1	24	19.56	0.090	19.11	0.081	18.84	0.077
			256QAM	Edge_Full Right	2	23	19.58	0.091	19.15	0.082	18.92	0.078
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.65	0.058	17.13	0.052	16.95	0.050
			256QAM	Inner_1RB Right	1	23	17.60	0.058	17.11	0.051	16.87	0.049
			256QAM	Inner_Full	13	6	17.61	0.058	17.09	0.051	16.93	0.049
			256QAM	Outer_Full	25	0	17.60	0.058	17.06	0.051	16.91	0.049
			256QAM	Edge_1RB Left	1	0	17.70	0.059	17.14	0.052	16.93	0.049
			256QAM	Edge_Full Left	2	0	17.64	0.058	17.09	0.051	16.92	0.049
			256QAM	Edge_1RB Right	1	24	17.58	0.057	17.08	0.051	16.88	0.049
			256QAM	Edge_Full Right	2	23	17.61	0.058	17.04	0.051	16.90	0.049

NR Band 66												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	343000 (1 715.0 MHz)		349000 (1 745.0 MHz)		355000 (1 775.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.59	0.091	19.12	0.082	18.91	0.078
			256QAM	Inner_1RB Right	1	50	19.47	0.089	19.01	0.080	18.82	0.076
			256QAM	Inner_Full	25	12	19.54	0.090	19.07	0.081	18.88	0.077
			256QAM	Outer_Full	50	0	19.52	0.090	19.07	0.081	18.87	0.077
			256QAM	Edge_1RB Left	1	0	19.57	0.091	19.19	0.083	18.87	0.077
			256QAM	Edge_Full Left	2	0	<u>19.72</u>	<u>0.094</u>	19.16	0.082	18.93	0.078
			256QAM	Edge_1RB Right	1	51	19.44	0.088	19.07	0.081	18.77	0.075
			256QAM	Edge_Full Right	2	50	19.50	0.089	18.99	0.079	18.82	0.076
		CP-OFDM	256QAM	Inner_1RB Left	1	1	<u>17.64</u>	<u>0.058</u>	17.18	0.052	16.94	0.049
			256QAM	Inner_1RB Right	1	50	17.49	0.056	17.03	0.050	16.81	0.048
			256QAM	Inner_Full	26	13	17.49	0.056	17.07	0.051	16.85	0.048
			256QAM	Outer_Full	52	0	17.51	0.056	17.04	0.051	16.86	0.049
			256QAM	Edge_1RB Left	1	0	17.57	0.057	17.19	0.052	16.97	0.050
			256QAM	Edge_Full Left	2	0	17.57	0.057	17.17	0.052	16.88	0.049
			256QAM	Edge_1RB Right	1	51	17.45	0.056	17.05	0.051	16.84	0.048
			256QAM	Edge_Full Right	2	50	17.46	0.056	16.98	0.050	16.81	0.048

NR Band 66												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	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	256QAM	Inner_1RB Left	1	1	19.67	0.093	19.23	0.084	18.95	0.079
			256QAM	Inner_1RB Right	1	77	19.50	0.089	19.09	0.081	18.86	0.077
			256QAM	Inner_Full	36	18	19.58	0.091	19.20	0.083	18.83	0.076
			256QAM	Outer_Full	75	0	19.57	0.091	19.22	0.084	18.84	0.077
			256QAM	Edge_1RB Left	1	0	19.67	0.093	19.21	0.083	18.97	0.079
			256QAM	Edge_Full Left	2	0	<u>19.72</u>	<u>0.094</u>	19.26	0.084	19.00	0.079
			256QAM	Edge_1RB Right	1	78	19.55	0.090	19.12	0.082	18.81	0.076
			256QAM	Edge_Full Right	2	77	19.57	0.091	19.19	0.083	18.86	0.077
		CP-OFDM	256QAM	Inner_1RB Left	1	1	<u>17.71</u>	<u>0.059</u>	17.27	0.053	16.95	0.050
			256QAM	Inner_1RB Right	1	77	17.56	0.057	17.15	0.052	16.89	0.049
			256QAM	Inner_Full	39	19	17.57	0.057	17.20	0.052	16.81	0.048
			256QAM	Outer_Full	79	0	17.67	0.058	17.19	0.052	16.85	0.048
			256QAM	Edge_1RB Left	1	0	17.68	0.059	17.28	0.053	16.96	0.050
			256QAM	Edge_Full Left	2	0	17.67	0.058	17.21	0.053	16.93	0.049
			256QAM	Edge_1RB Right	1	78	17.54	0.057	17.14	0.052	16.86	0.049
			256QAM	Edge_Full Right	2	77	17.54	0.057	17.16	0.052	16.85	0.048

NR Band 66												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	344000 (1 720.0 MHz)		349000 (1 745.0 MHz)		354000 (1 770.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	20	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.69	0.093	19.30	0.085	18.96	0.079
			256QAM	Inner_1RB Right	1	104	19.42	0.087	19.10	0.081	18.83	0.076
			256QAM	Inner_Full	50	25	19.53	0.090	19.12	0.082	18.87	0.077
			256QAM	Outer_Full	100	0	19.55	0.090	19.20	0.083	18.95	0.079
			256QAM	Edge_1RB Left	1	0	19.70	0.093	19.33	0.086	18.94	0.078
			256QAM	Edge_Full Left	2	0	19.73	0.094	19.35	0.086	19.03	0.080
			256QAM	Edge_1RB Right	1	105	19.46	0.088	19.08	0.081	18.83	0.076
			256QAM	Edge_Full Right	2	104	19.49	0.089	19.08	0.081	18.87	0.077
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.73	0.059	17.36	0.054	16.96	0.050
			256QAM	Inner_1RB Right	1	104	17.42	0.055	17.06	0.051	16.81	0.048
			256QAM	Inner_Full	53	26	17.55	0.057	17.10	0.051	16.93	0.049
			256QAM	Outer_Full	106	0	17.57	0.057	17.21	0.053	16.90	0.049
			256QAM	Edge_1RB Left	1	0	17.72	0.059	17.38	0.055	17.01	0.050
			256QAM	Edge_Full Left	2	0	17.67	0.058	17.33	0.054	16.98	0.050
			256QAM	Edge_1RB Right	1	105	17.48	0.056	17.18	0.052	16.87	0.049
			256QAM	Edge_Full Right	2	104	17.42	0.055	17.12	0.052	16.84	0.048

NR Band 66												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	346000 (1 730.0 MHz)		349000 (1 745.0 MHz)		352000 (1 760.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	40	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.76	0.095	19.62	0.092	19.33	0.086
			256QAM	Inner_1RB Right	1	214	19.32	0.086	19.22	0.084	19.06	0.081
			256QAM	Inner_Full	108	54	19.52	0.090	19.22	0.084	19.09	0.081
			256QAM	Outer_Full	216	0	19.54	0.090	19.23	0.084	19.11	0.081
			256QAM	Edge_1RB Left	1	0	19.77	0.095	19.60	0.091	19.38	0.087
			256QAM	Edge_Full Left	2	0	19.77	0.095	19.67	0.093	19.38	0.087
			256QAM	Edge_1RB Right	1	215	19.21	0.083	19.22	0.084	19.05	0.080
			256QAM	Edge_Full Right	2	214	19.28	0.085	19.25	0.084	19.13	0.082
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.76	0.060	17.59	0.057	17.34	0.054
			256QAM	Inner_1RB Right	1	214	17.31	0.054	17.26	0.053	17.05	0.051
			256QAM	Inner_Full	108	54	17.48	0.056	17.20	0.052	17.09	0.051
			256QAM	Outer_Full	216	0	17.54	0.057	17.27	0.053	17.13	0.052
			256QAM	Edge_1RB Left	1	0	17.79	0.060	17.63	0.058	17.37	0.055
			256QAM	Edge_Full Left	2	0	17.74	0.059	17.61	0.058	17.37	0.055
			256QAM	Edge_1RB Right	1	215	17.29	0.054	17.28	0.053	17.09	0.051
			256QAM	Edge_Full Right	2	214	17.28	0.053	17.27	0.053	17.05	0.051

NR Band 71												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	133100 (665.5 MHz)		136100 (680.5 MHz)		139100 (695.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	5	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.66	0.092	19.60	0.091	19.50	0.089
			256QAM	Inner_1RB Right	1	23	19.51	0.089	19.42	0.087	19.38	0.087
			256QAM	Inner_Full	12	6	19.65	0.092	19.55	0.090	19.50	0.089
			256QAM	Outer_Full	25	0	19.64	0.092	19.54	0.090	19.46	0.088
			256QAM	Edge_1RB Left	1	0	19.65	0.092	19.59	0.091	19.51	0.089
			256QAM	Edge_Full Left	2	0	19.68	0.093	19.63	0.092	19.56	0.090
			256QAM	Edge_1RB Right	1	24	19.63	0.092	19.43	0.088	19.40	0.087
			256QAM	Edge_Full Right	2	23	19.70	0.093	19.48	0.089	19.38	0.087
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.68	0.059	17.63	0.058	17.57	0.057
			256QAM	Inner_1RB Right	1	23	17.55	0.057	17.50	0.056	17.41	0.055
			256QAM	Inner_Full	13	6	17.65	0.058	17.57	0.057	17.48	0.056
			256QAM	Outer_Full	25	0	17.65	0.058	17.54	0.057	17.46	0.056
			256QAM	Edge_1RB Left	1	0	17.69	0.059	17.67	0.058	17.58	0.057
			256QAM	Edge_Full Left	2	0	17.71	0.059	17.61	0.058	17.54	0.057
			256QAM	Edge_1RB Right	1	24	17.65	0.058	17.50	0.056	17.46	0.056
			256QAM	Edge_Full Right	2	23	17.63	0.058	17.47	0.056	17.39	0.055

NR Band 71												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	133600 (668.0 MHz)		136100 (680.5 MHz)		138600 (693.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	10	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.56	0.090	19.52	0.090	19.49	0.089
			256QAM	Inner_1RB Right	1	50	19.60	0.091	19.52	0.090	19.40	0.087
			256QAM	Inner_Full	25	12	19.60	0.091	19.58	0.091	19.47	0.089
			256QAM	Outer_Full	50	0	19.56	0.090	19.59	0.091	19.44	0.088
			256QAM	Edge_1RB Left	1	0	19.55	0.090	19.56	0.090	19.45	0.088
			256QAM	Edge_Full Left	2	0	19.57	0.091	19.62	0.092	19.48	0.089
			256QAM	Edge_1RB Right	1	51	<u>19.64</u>	<u>0.092</u>	19.51	0.089	19.37	0.086
			256QAM	Edge_Full Right	2	50	19.62	0.092	19.54	0.090	19.42	0.087
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.58	0.057	17.63	0.058	17.48	0.056
			256QAM	Inner_1RB Right	1	50	<u>17.68</u>	<u>0.059</u>	17.51	0.056	17.40	0.055
			256QAM	Inner_Full	26	13	17.65	0.058	17.58	0.057	17.46	0.056
			256QAM	Outer_Full	52	0	17.67	0.058	17.57	0.057	17.47	0.056
			256QAM	Edge_1RB Left	1	0	17.60	0.058	17.63	0.058	17.53	0.057
			256QAM	Edge_Full Left	2	0	17.58	0.057	17.63	0.058	17.48	0.056
			256QAM	Edge_1RB Right	1	51	17.68	0.059	17.56	0.057	17.42	0.055
			256QAM	Edge_Full Right	2	50	17.63	0.058	17.48	0.056	17.38	0.055

NR Band 71												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	134100 (670.5 MHz)		136100 (680.5 MHz)		138100 (690.5 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	15	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.69	0.093	19.76	0.095	19.54	0.090
			256QAM	Inner_1RB Right	1	77	<u>19.80</u>	<u>0.095</u>	19.46	0.088	19.45	0.088
			256QAM	Inner_Full	36	18	19.75	0.094	19.63	0.092	19.50	0.089
			256QAM	Outer_Full	75	0	19.73	0.094	19.65	0.092	19.49	0.089
			256QAM	Edge_1RB Left	1	0	19.68	0.093	19.76	0.095	19.49	0.089
			256QAM	Edge_Full Left	2	0	19.75	0.094	19.79	0.095	19.54	0.090
			256QAM	Edge_1RB Right	1	78	19.74	0.094	19.50	0.089	19.54	0.090
			256QAM	Edge_Full Right	2	77	19.80	0.095	19.57	0.091	19.52	0.090
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.75	0.060	17.82	0.061	17.60	0.058
			256QAM	Inner_1RB Right	1	77	<u>17.82</u>	<u>0.061</u>	17.57	0.057	17.54	0.057
			256QAM	Inner_Full	39	19	17.75	0.060	17.64	0.058	17.50	0.056
			256QAM	Outer_Full	79	0	17.71	0.059	17.62	0.058	17.52	0.056
			256QAM	Edge_1RB Left	1	0	17.78	0.060	17.75	0.060	17.56	0.057
			256QAM	Edge_Full Left	2	0	17.70	0.059	17.80	0.060	17.56	0.057
			256QAM	Edge_1RB Right	1	78	17.79	0.060	17.58	0.057	17.49	0.056
			256QAM	Edge_Full Right	2	77	17.78	0.060	17.53	0.057	17.51	0.056

NR Band 71												
SCS (kHz)	BW (MHz)	Modulation		RB allocation	RB Size	RB Offset	134600 (673.0 MHz)		136100 (680.5 MHz)		137600 (688.0 MHz)	
							(dB m)	(W)	(dB m)	(W)	(dB m)	(W)
15	20	DFT-s-OFDM	256QAM	Inner_1RB Left	1	1	19.67	0.093	19.71	0.094	19.67	0.093
			256QAM	Inner_1RB Right	1	104	19.60	0.091	19.52	0.090	19.48	0.089
			256QAM	Inner_Full	50	25	19.68	0.093	19.66	0.092	19.50	0.089
			256QAM	Outer_Full	100	0	19.68	0.093	19.63	0.092	19.51	0.089
			256QAM	Edge_1RB Left	1	0	19.66	0.092	19.67	0.093	19.71	0.094
			256QAM	Edge_Full Left	2	0	19.67	0.093	19.70	0.093	19.77	0.095
			256QAM	Edge_1RB Right	1	105	19.56	0.090	19.56	0.090	19.52	0.090
			256QAM	Edge_Full Right	2	104	19.64	0.092	19.58	0.091	19.54	0.090
		CP-OFDM	256QAM	Inner_1RB Left	1	1	17.72	0.059	17.67	0.058	17.77	0.060
			256QAM	Inner_1RB Right	1	104	17.65	0.058	17.54	0.057	17.50	0.056
			256QAM	Inner_Full	53	26	17.66	0.058	17.64	0.058	17.50	0.056
			256QAM	Outer_Full	106	0	17.65	0.058	17.64	0.058	17.49	0.056
			256QAM	Edge_1RB Left	1	0	17.69	0.059	17.77	0.060	17.74	0.059
			256QAM	Edge_Full Left	2	0	17.66	0.058	17.70	0.059	17.69	0.059
			256QAM	Edge_1RB Right	1	105	17.62	0.058	17.55	0.057	17.57	0.057
			256QAM	Edge_Full Right	2	104	17.59	0.057	17.52	0.056	17.51	0.056

3. Peak-Average Ratio

3.1. Limit

FCC

- §22.913(d) Measurement of the ERP of Cellular base transmitters and repeaters must be made using an average power measurement technique. The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

- §24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

- §27.50(d)(5), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

IC

- RSS-130 Issue 2

4.6.1, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1 % of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

- RSS-132 Issue 4

5.4, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1 % of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

- RSS-133 Issue 6

6.4, the transmitter's peak-to-average power ratio (PAPR) shall not exceed 13 dB for more than 0.1 % of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

- RSS-139 Issue 4

5.5, the peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1 % of the time, using a signal that corresponds to the highest PAPR during periods of continuous transmission.

- RSS-140 Issue 1

5.1, the peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1 % of the time, using a signal that corresponds to the highest PAPR during periods of continuous transmission.

- RSS-199 Issue 4

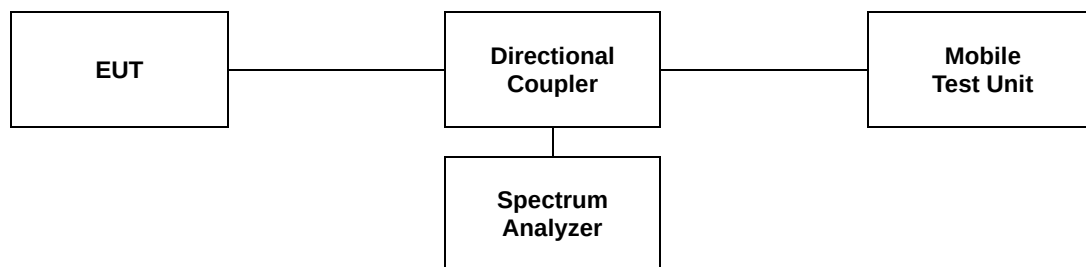
5.5, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

3.2. Test Procedure

The test follows section 5.2.3.4 of ANSI C63.26-2015.

See instrumentation-specific application literature for further guidance regarding use of the CCDF capability. The following guidelines are offered for performing a CCDF measurement.

- a. Set resolution/measurement bandwidth $\geq$ OBW or specified reference bandwidth.
- b. Set the number of counts to a value that stabilizes the measured CCDF curve.
- c. Set the measurement interval as follows:
 - 1) For continuous transmissions, set to greater of $[10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ or 1 ms.
 - 2) For burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize. Set the measurement interval to a time that is less than or equal to the burst duration.
 - 3) If there are several carriers in a single antenna port, the peak power shall be determined for each individual carrier (by disabling the other carriers while measuring the required carrier) and the total peak power calculated from the sum of the individual carrier peak powers.
- d. Record the maximum PAPR level associated with a probability of 0.1 %.
- e. The peak power level is calculated from the sum of the PAPR value from step d) to the measured average power.



3.3 Test Results

Ambient temperature : (23 ± 1) °C

Relative humidity : 47 % R.H.

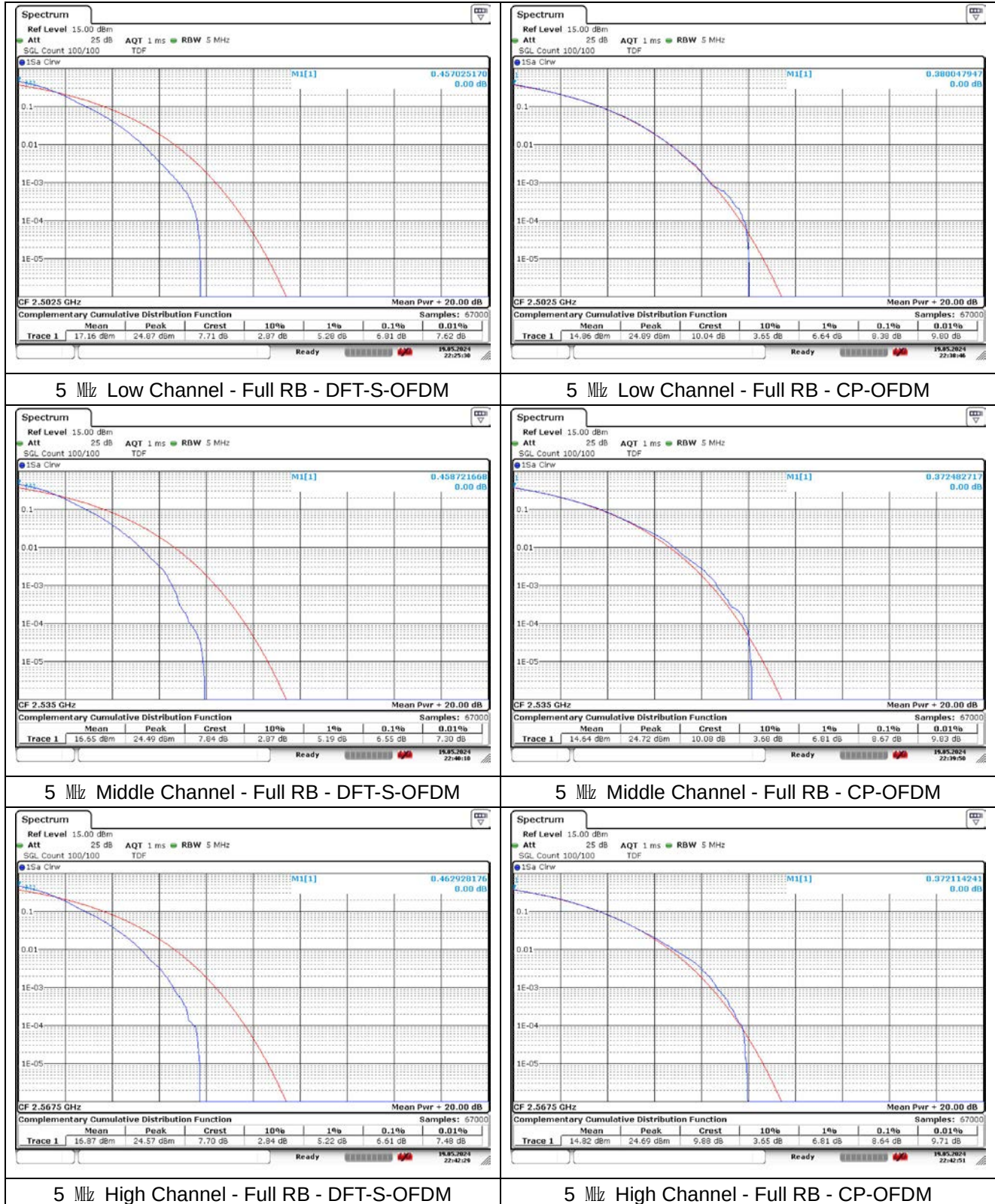
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
7	15	5	256QAM	2 502.5	6.81	8.38
				2 535.0	6.55	8.67
				2 567.5	6.61	8.64
		10	256QAM	2 505.0	6.72	8.81
				2 535.0	6.87	8.75
				2 565.0	6.87	8.87
		15	256QAM	2 507.5	6.78	8.78
				2 535.0	6.90	8.72
				2 562.5	6.61	8.67
		20	256QAM	2 510.0	6.75	8.81
				2 535.0	6.70	8.64
				2 560.0	6.61	8.78
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
12	15	5	256QAM	701.5	6.43	8.72
				707.5	6.41	8.26
				713.5	6.64	8.35
		10	256QAM	704.0	6.52	8.49
				707.5	6.58	8.58
				711.0	6.70	8.67
		15	256QAM	706.5	6.58	8.52
				707.5	6.46	8.75
				708.5	6.75	8.43
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
13	15	5	256QAM	779.5	6.12	8.78
				782.0	6.38	8.06
				784.5	6.43	7.91
		10	256QAM	782.0	6.35	8.29
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
14	15	5	256QAM	790.5	6.50	8.56
				793.0	6.44	8.38
				795.5	6.74	8.68
		10	256QAM	793.0	6.62	8.44

Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
25/2	15	5	256QAM	1 852.5	6.78	8.84
				1 882.5	6.55	8.46
				1 912.5	6.72	8.52
		10	256QAM	1 855.0	6.49	8.75
				1 882.5	6.52	8.38
				1 910.0	6.55	8.58
		15	256QAM	1 857.5	6.67	8.55
				1 882.5	6.72	8.55
				1 907.5	6.78	8.87
		20	256QAM	1 860.0	6.46	8.49
				1 882.5	6.52	8.70
				1 905.0	6.46	8.41
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
26/5 Part 22	15	5	256QAM	826.5	6.87	8.23
				836.5	6.67	8.61
				846.5	6.46	8.52
		10	256QAM	829.0	6.64	8.49
				836.5	6.58	8.49
				844.0	6.49	8.58
		15	256QAM	831.5	6.58	8.58
				836.5	6.61	8.58
				841.5	6.58	8.52
		20	256QAM	834.0	6.43	8.55
				836.5	6.43	8.64
				839.0	6.55	8.46
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
26/5 Part 90	15	5	256QAM	816.5	6.78	8.82
				819.0	6.78	8.62
				821.5	6.48	8.98
		10	256QAM	819.0	6.58	8.44

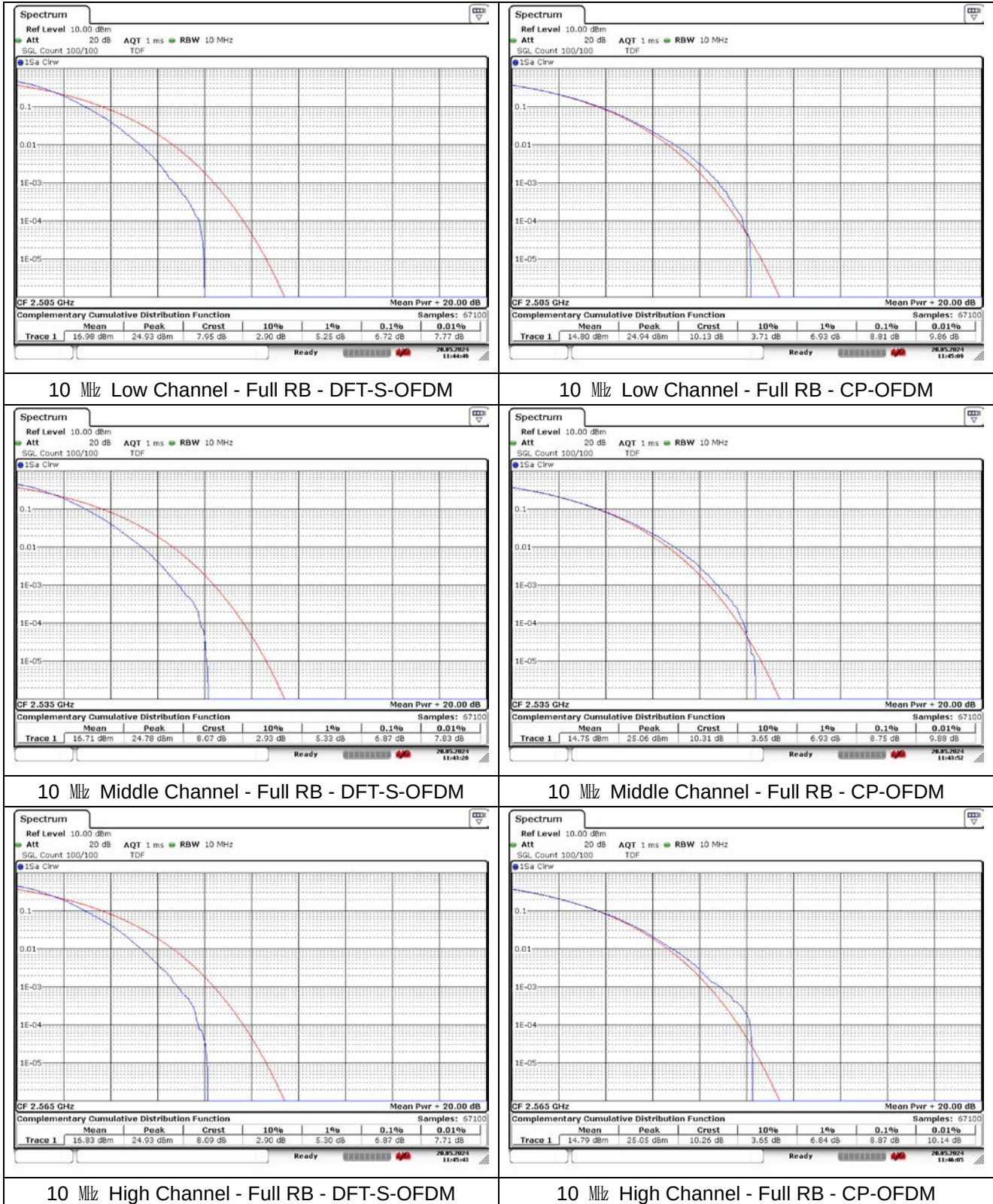
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
66	15	5	256QAM	1 712.5	6.64	8.38
				1 745.0	6.38	8.55
				1 777.5	6.70	8.61
		10	256QAM	1 715.0	6.61	8.64
				1 745.0	6.70	8.90
				1 775.0	6.52	8.52
		15	256QAM	1 717.5	6.58	8.72
				1 745.0	6.61	8.67
				1 772.5	6.67	8.58
		20	256QAM	1 720.0	6.58	8.58
				1 745.0	6.43	8.32
				1 770.0	6.46	8.75
		40	256QAM	1 730.0	6.72	8.64
				1 745.0	6.54	8.26
				1 760.0	6.62	8.56
Band	SCS (kHz)	BW (MHz)	Mode	Frequency (MHz)	PAR (dB)	
					DFT-S-OFDM	CP-OFDM
71	15	5	256QAM	665.5	6.38	8.29
				680.5	6.46	8.26
				695.5	6.55	8.17
		10	256QAM	668.0	6.55	8.49
				680.5	6.41	8.52
				693.0	6.41	8.58
		15	256QAM	670.5	6.58	8.46
				680.5	6.41	8.38
				690.5	6.58	8.43
		20	256QAM	673.0	6.41	8.43
				680.5	6.52	8.41
				688.0	6.52	8.35

- Test plots

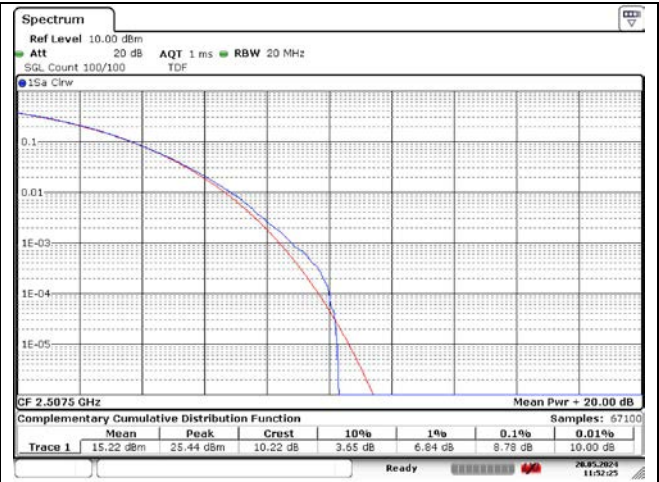
NR band 7



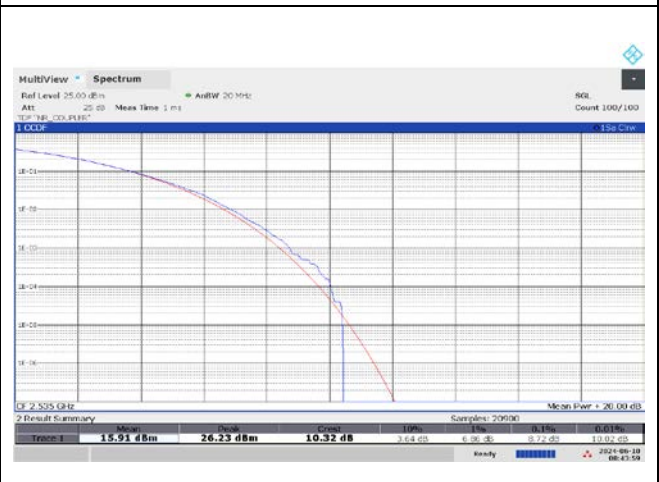
NR band 7



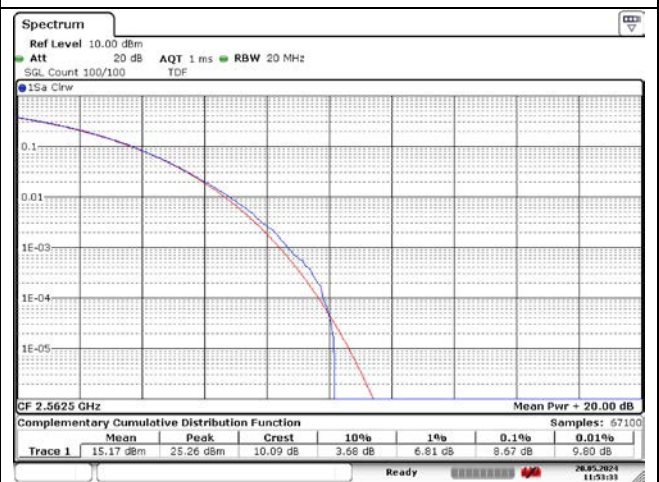
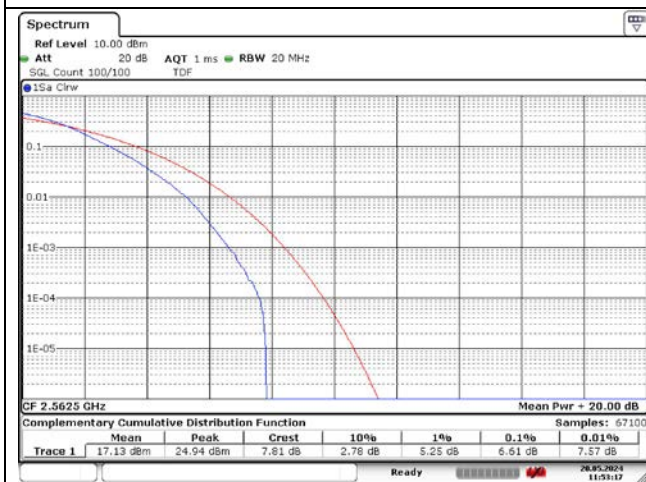
NR band 7



15 MHz Low Channel - Full RB - DFT-S-OFDM



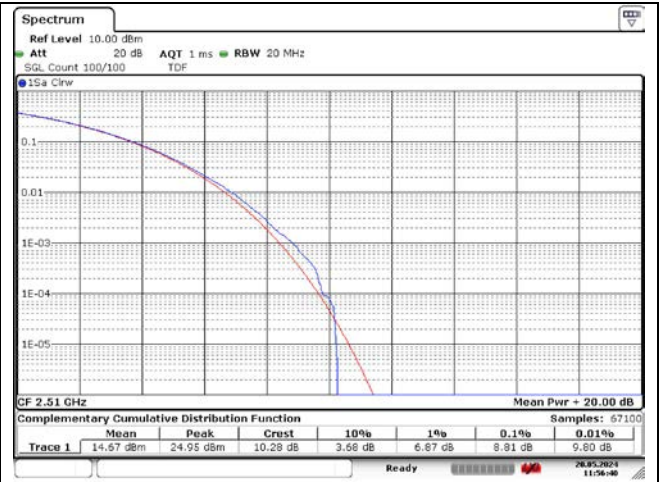
15 MHz Middle Channel - Full RB - DFT-S-OFDM



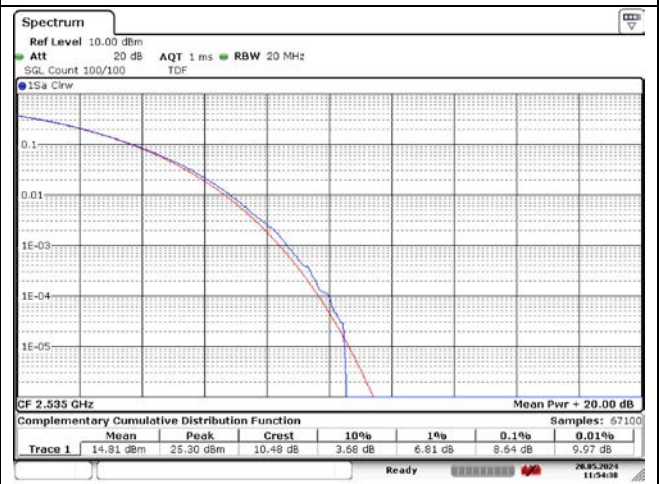
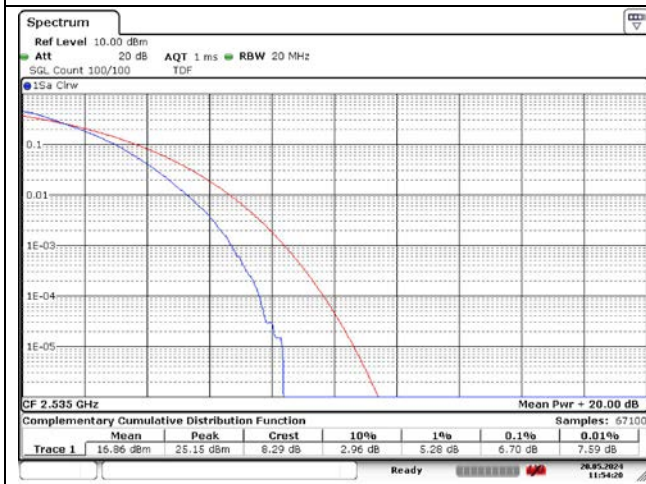
15 MHz High Channel - Full RB - DFT-S-OFDM

15 MHz High Channel - Full RB - CP-OFDM

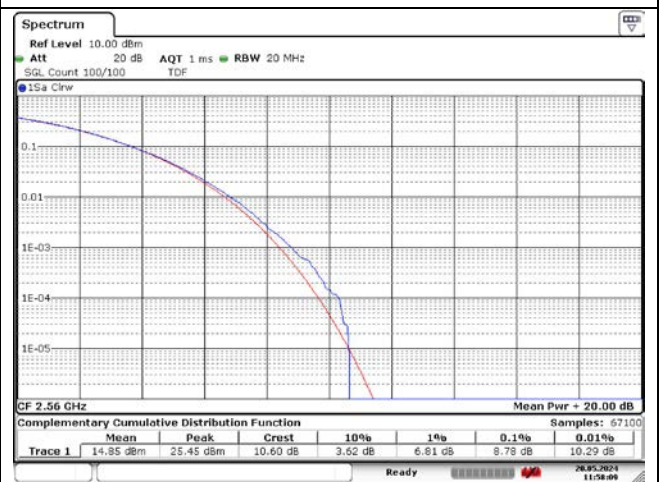
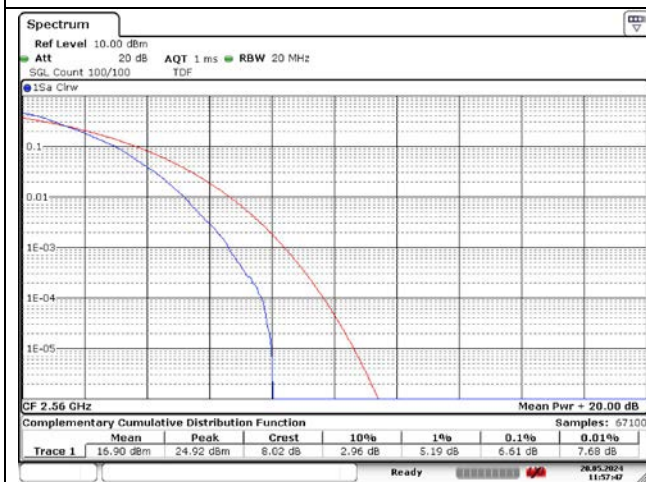
NR band 7



20 MHz Low Channel - Full RB - DFT-S-OFDM



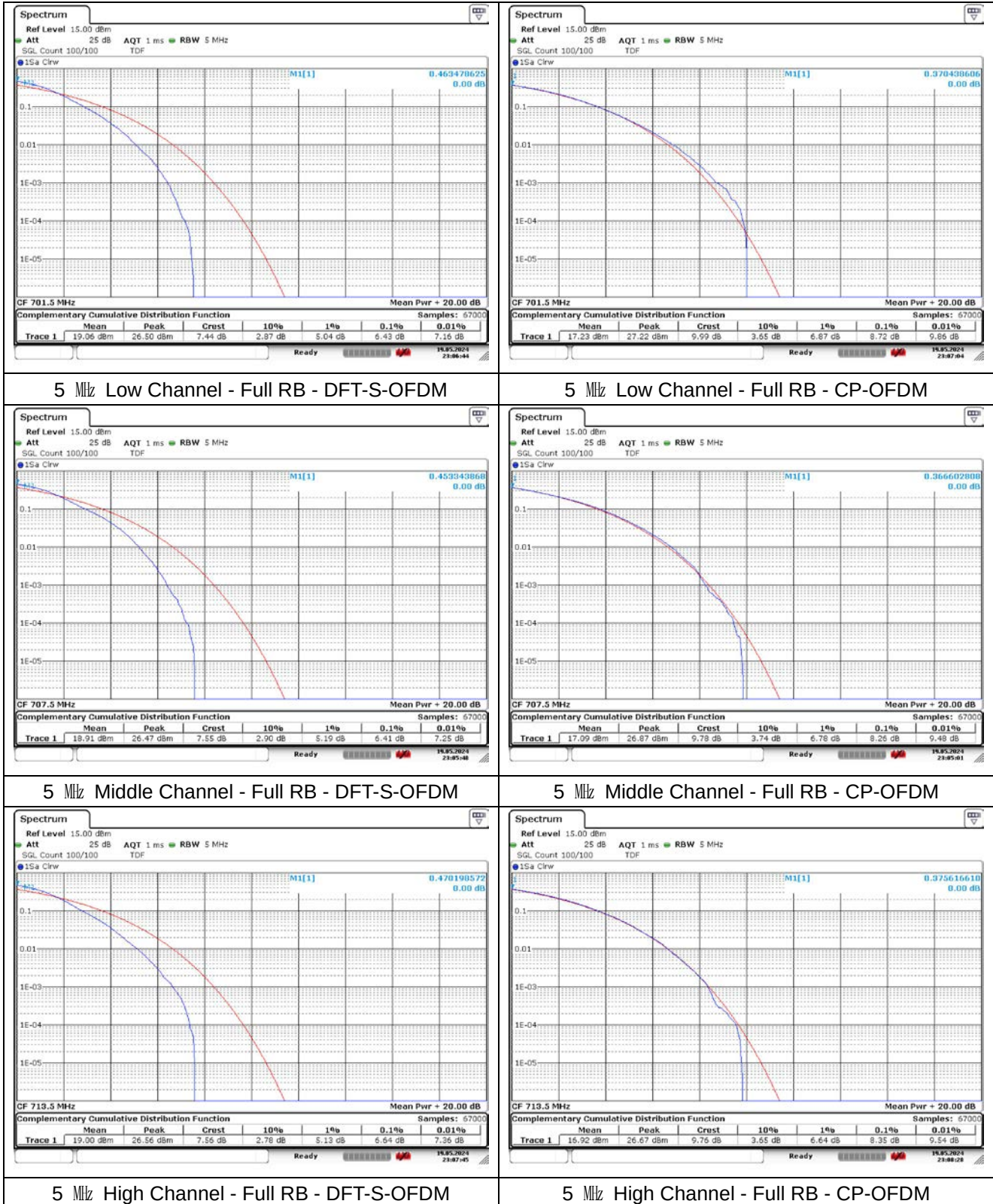
20 MHz Middle Channel - Full RB - DFT-S-OFDM



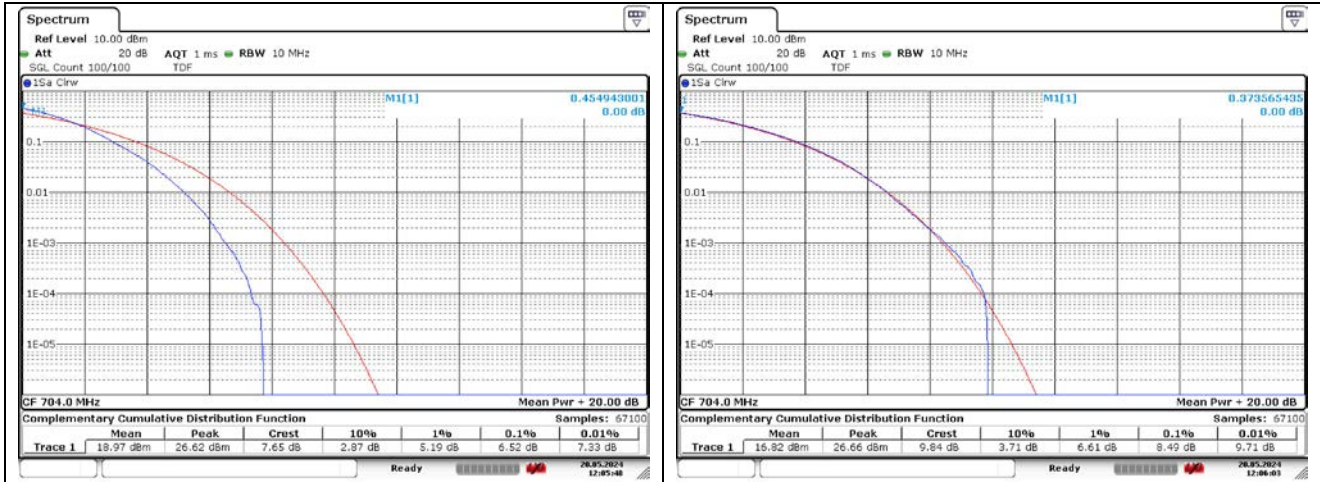
20 MHz High Channel - Full RB - DFT-S-OFDM

20 MHz High Channel - Full RB - CP-OFDM

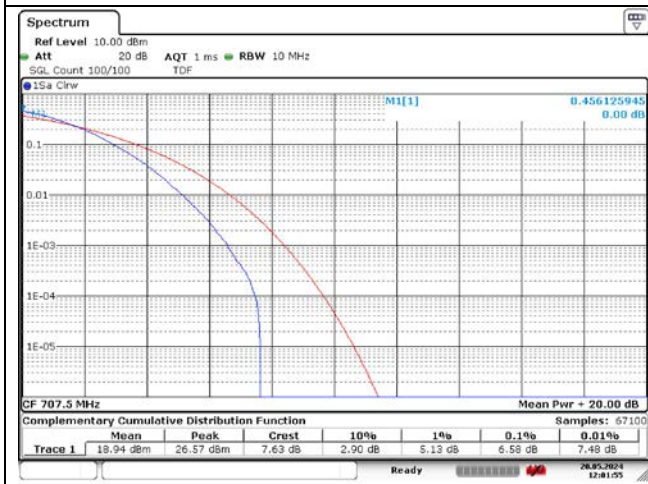
NR band 12



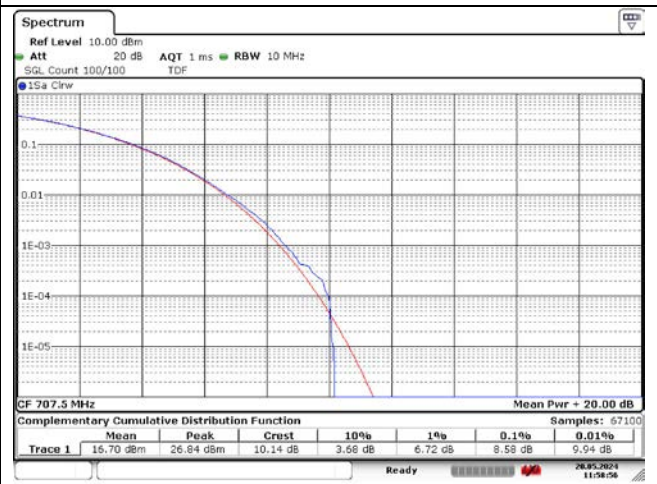
NR band 12



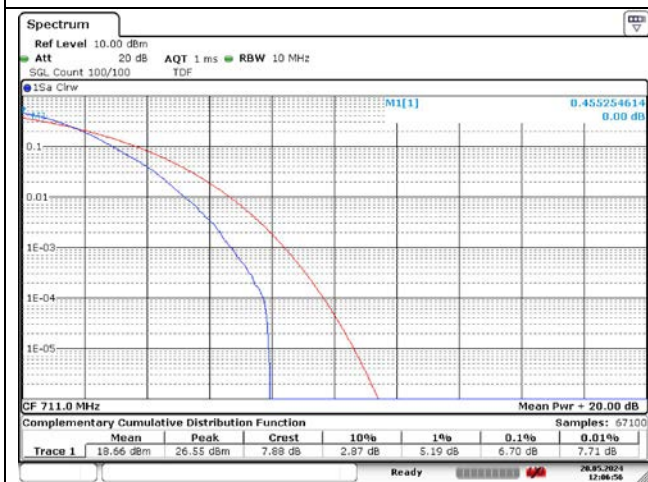
10 MHz Low Channel - Full RB - DFT-S-OFDM



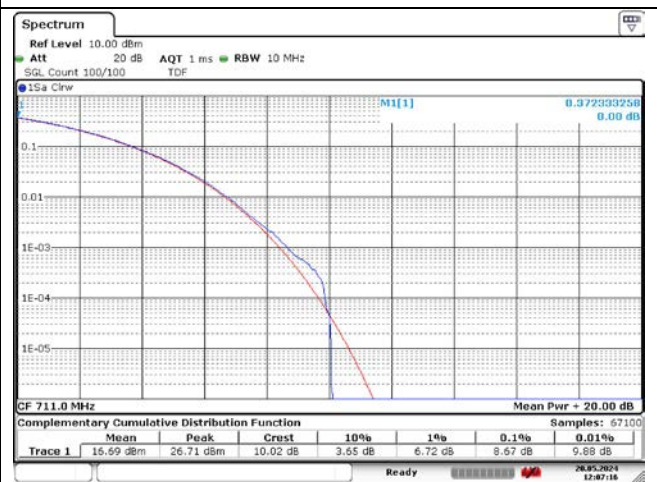
10 MHz Low Channel - Full RB - CP-OFDM



10 MHz Middle Channel - Full RB - DFT-S-OFDM



10 MHz Middle Channel - Full RB - CP-OFDM



10 MHz High Channel - Full RB - DFT-S-OFDM

10 MHz High Channel - Full RB - CP-OFDM

NR band 12

