FCC RADIO TEST REPORT

FCC ID	:	**A4RG0DZQ**
Equipment	:	**Phone**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27, 90(R)**

The product was received on Sep. 08, 2022and testing was performed from Sep. 21, 2022 to Dec. 20, 2022. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FG241215-02C	01	Initial issue of report	Nov. 24, 2022
FG241215-02C	02	Revise Standard version and appendix A	Dec. 01, 2022
FG241215-02C	03	Add Conducted n41 BW70MHz data	Dec. 21, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5)	Effective Radiated Power (n5)	Pass	
	§27.50 (c)(10)	Effective Radiated Power (n12) (n71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (n2) (n25) (n7) (n38) (n41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66)		
	§27.50 (a)(3)	Effective Isotropic Radiated Power (n30)		
	§90.542 (a)(7)	Effective Radiated Power (n14)		
3.3	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (n2) (n5) (n12) (n25) (n66) (n71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n7) (n38) (n41)		
	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement (n30)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (n14)		
3.6	§2.1051 §90.210 (n)	Emission Mask (n14)	Pass	-

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.7	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (n2) (n5) (n12) (n25) (n66) (n71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n7) (n38) (n41)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (n30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (n14)		
3.8	§2.1055 §22.355 §24.235 §27.54 §90.539 (e)	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (n2) (n5) (n12) (n25) (n66) (n71)	Pass	10.58 dB under the limit at 1578.000 MHz for Primary Antenna 6.11 dB under the limit at 6917.000 MHz for ASDIV Antenna
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n38) (n41)		
	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission (n30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (n14)		

Declaration of Conformity:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results. 2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".
Comments and Explanations:
The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: William Chen

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
FCC ID	A4RG0DZQ
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/ NFC/GNSS/WPT Client WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE

Remark: The above EUT's information was declared by manufacturer.

EUT Information List	
S/N	Performed Test Item
28291FQHN00195	Conducted Measurement ERP/EIRP
28291FQHN00119 29081FQHN00200	Radiated Spurious Emission

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	5G NR n2: 1852.5 MHz ~ 1907.5 MHz 5G NR n5: 826.5 MHz ~ 846.5 MHz 5G NR n7: 2502.5 MHz ~ 2567.5 MHz 5G NR n12: 701.5 MHz ~ 713.5 MHz 5G NR n14: 790.5 ~ 795.5 MHz 5G NR n25: 1852.5 MHz ~ 1912.5 MHz 5G NR n30: 2307.5 MHz ~ 2312.5 MHz 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685.00 MHz 5G NR n66: 1712.5 MHz ~ 1777.5 MHz 5G NR n71: 665.5 MHz ~ 695.5 MHz
Rx Frequency	5G NR n2: 1932.5 MHz ~ 1987.5 MHz 5G NR n5: 871.5 MHz ~ 891.5 MHz 5G NR n7: 2622.5 MHz ~ 2687.5 MHz 5G NR n12: 731.5 MHz ~ 743.5 MHz 5G NR n14: 760.5 ~ 765.5 MHz 5G NR n25: 1932.5 MHz ~ 1992.5 MHz 5G NR n30: 2352.5 MHz ~ 2357.5 MHz 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685.00 MHz 5G NR n66: 2112.5 MHz ~ 2197.5 MHz 5G NR n71: 619.5 MHz ~ 649.5 MHz
Bandwidth	5G NR n2: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n5: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n7: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz / 50MHz 5G NR n12: 5MHz / 10MHz / 15MHz 5G NR n14: 5MHz / 10MHz 5G NR n25: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz 5G NR n30: 5MHz / 10MHz 5G NR n38: 10MHz / 15MHz / 20MHz 5G NR n41: 10MHz / 15MHz / 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz 5G NR n66: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz 5G NR n71: 5MHz / 10MHz / 15MHz / 20MHz

Product Specification is subject to this standard	
Maximum Output Power to Antenna	**<Primary Antenna>** **<Ant. 0>** 5G NR n5 : 25.70 dBm 5G NR n12 : 25.44 dBm 5G NR n14 : 25.14 dBm 5G NR n71 : 25.67 dBm **<Ant. 2>** 5G NR n2 : 25.02 dBm 5G NR n7 : 25.64 dBm 5G NR n25 : 25.25 dBm 5G NR n30 : 24.05 dBm 5G NR n38 : 25.34 dBm 5G NR n41 : 25.21 dBm 5G NR n41 : 26.92 dBm for HPUE 5G NR n66 : 25.31 dBm **<ASDIV Antenna>** **<Ant. 0>** 5G NR n2 : 24.93 dBm 5G NR n7 : 25.20 dBm 5G NR n25 : 24.57 dBm 5G NR n30 : 23.91 dBm 5G NR n38 : 24.99 dBm 5G NR n41 : 24.96 dBm 5G NR n41 : 26.91 dBm for HPUE 5G NR n66 : 25.20 dBm **<Ant. 1>** 5G NR n5 : 25.19 dBm 5G NR n12 : 25.19 dBm 5G NR n14 : 25.20 dBm 5G NR n71 : 24.74 dBm
Antenna Type	**<Primary Antenna>:** **<Ant. 0>:** ILA Antenna **<Ant. 2>:** IFA Antenna **<ASDIV Antenna>:** **<Ant. 0>:** ILA Antenna **<Ant. 1>:** ILA Antenna
Type of Modulation	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

<Primary Antenna>

Radio Tech	Band Number	Antenna name	Gain
5G NR	n2	Ant. 2	-3.8
5G NR	n5	Ant. 0	-5.3
5G NR	n7	Ant. 2	-0.9
5G NR	n12	Ant. 0	-6.0
5G NR	n14	Ant. 0	-5.1
5G NR	n25	Ant. 2	-3.8
5G NR	n30	Ant. 2	-1.5
5G NR	n38	Ant. 2	-0.7
5G NR	n41	Ant. 2	-0.7
5G NR	n66	Ant. 2	-4.1
5G NR	n71	Ant. 0	-6.0

<ASDIV Antenna>

Radio Tech	Band Number	Antenna name	Gain
5G NR	n2	Ant. 0	-2.7
5G NR	n5	Ant. 1	-7.5
5G NR	n7	Ant. 0	-1.7
5G NR	n12	Ant. 1	-10.1
5G NR	n14	Ant. 1	-8.0
5G NR	n25	Ant. 0	-2.7
5G NR	n30	Ant. 0	-1.1
5G NR	n38	Ant. 0	-2.4
5G NR	n41	Ant. 0	-1.7
5G NR	n66	Ant. 0	-3.3
5G NR	n71	Ant. 1	-9.9

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Sherry Wu
Temperature (℃)	23.5~25
Relative Humidity (%)	48~52

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Tim Lee and Wilson Wu
Temperature (℃)	20~25
Relative Humidity (%)	50~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

1.5 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ANSI C63.26-2015
- ANSI / TIA-603-E
- FCC 47 CFR Part 2, 22(H), 24(E), 27, 90(R)
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and Accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

Test Items	NR Band	Bandwidth (MHz)													Modulation					RB #			Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	n2	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
	n7	v	v	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
	n14	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v
	n25	v	v	v	v	v	v	v	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v
	n30	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v
	n38	-	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v
	n41	-	v	v	v	-	v	v	v	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
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v

Test Items	NR Band	Bandwidth (MHz)													Modulation					RB #			Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Peak-to-Average Ratio	n2	Covered by 5G NR n25																							
	n5				v	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	
	n7				v					-	-	-	-	-	v	v	v	v	v			v		v	
	n12			v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	
	n14		v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	
	n25				v				-	-	-	-	-	-	v	v	v	v	v			v		v	
	n30		v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	
	n38	Covered by 5G NR n41																							
	n41	-			v	-									v	v	v	v	v			v		v	
	n66				v				-	-	-	-	-	-	v	v	v	v	v			v		v	
	n71				v	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	
26dB and 99% Bandwidth	n2	Covered by 5G NR n25																							
	n5	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	
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	
	n14	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	
	n25	v	v	v	v	v	v	v	-	-	-	-	-	-	v	v	v	v	v			v		v	
	n30	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	
	n38	Covered by 5G NR n41																							
	n41	-	v	v	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	
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v			v		v	

Test Items	NR Band	Bandwidth (MHz)													Modulation					RB #			Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Conducted Band Edge	n2	Covered by 5G NR n25																							
	n5	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
	n14	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v		v	v	v	v
	n25	v	v	v	v	v	v	v	-	-	-	-	-	-	v	v	v	v	v	v		v	v		v
	n30	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v		v	v	v	v
	n38	Covered by 5G NR n41																							
	n41	-	v	v	v	-	v	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
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v		v	v		v
Emission Mask	n14	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v		v	v	v	v

Test Items	NR Band	Bandwidth (MHz)													Modulation					RB #			Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	n2	Covered by 5G NR n25																							
	n5	v				-	-	-	-	-	-	-	-	-		v				v			v	v	v
	n7	v								-	-	-	-	-		v				v			v	v	v
	n12	v			-	-	-	-	-	-	-	-	-	-		v				v			v	v	v
	n14	v		-	-	-	-	-	-	-	-	-	-	-		v				v			v	v	v
	n25	v							-	-	-	-	-	-		v				v			v	v	v
	n30	v		-	-	-	-	-	-	-	-	-	-	-		v				v			v	v	v
	n38	Covered by 5G NR n41																							
	n41	-	v			-										v				v			v	v	v
	n66	v							-	-	-	-	-	-		v				v			v	v	v
	n71	v				-	-	-	-	-	-	-	-	-		v				v			v	v	v
Frequency Stability	n2	Covered by 5G NR n25																							
	n5				v	-	-	-	-	-	-	-	-	-	v							v		v	
	n7				v					-	-	-	-	-	v							v		v	
	n12			v	-	-	-	-	-	-	-	-	-	-	v							v		v	
	n14		v	-	-	-	-	-	-	-	-	-	-	-	v							v		v	
	n25				v				-	-	-	-	-	-	v							v		v	
	n30		v	-	-	-	-	-	-	-	-	-	-	-	v							v		v	
	n38	Covered by 5G NR n41																							
	n41	-			v	-									v							v		v	
	n66				v				-	-	-	-	-	-	v							v		v	
	n71				v	-	-	-	-	-	-	-	-	-	v							v		v	

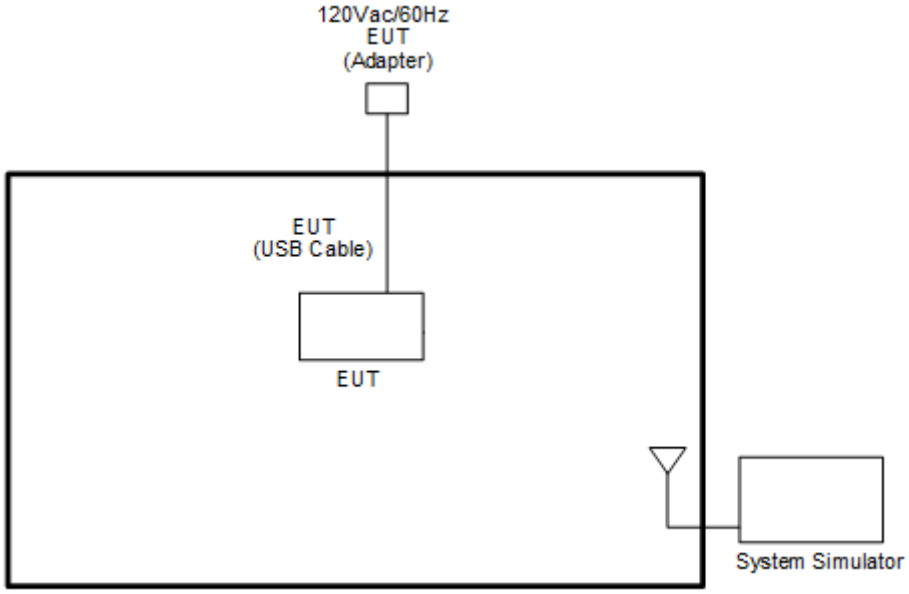
Test Items	NR Band	Bandwidth (MHz)													Modulation					RB #			Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	n2	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	Max Power					
	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v						
	n7	v	v	v	v	v	v	v	v	-	-	-	-	-	v	v	v	v	v						
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v						
	n14	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v						
	n25	v	v	v	v	v	v	v	-	-	-	-	-	-	v	v	v	v	v						
	n30	v	v	-	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v						
	n38	-	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v						
	n41	-	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						
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v						
Radiated Spurious Emission	n2	Worst Case																					v	v	v
	n5	Worst Case																					v	v	v
	n7	Worst Case																					v	v	v
	n12	Worst Case																					v	v	v
	n14	Worst Case																					v	v	v
	n25	Worst Case																					v	v	v
	n30	Worst Case																					v	v	v
	n38	Worst Case																					v	v	v
	n41	Worst Case																					v	v	v
	n66	Worst Case																					v	v	v
	n71	Worst Case																					v	v	v

Remark

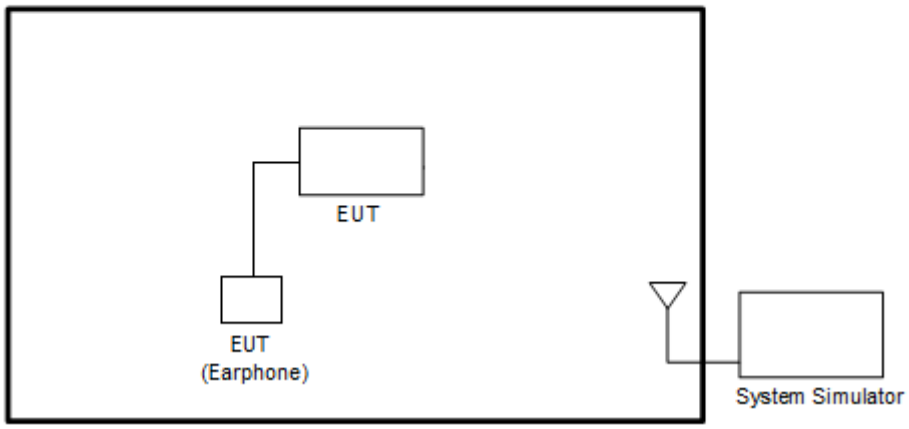
1. The mark "**v** " means that this configuration is chosen for testing
2. The mark "-" means that this bandwidth is not supported.
3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.
4. For radiated measurement, pre-scanned in two modes, DFT-s OFDM and CP OFDM. The worst cases (DFT-s OFDM) were recorded in this report, and the worst modes of FR1 and LTE for simultaneous transmission were verified and compliant.
5. Test combination are EN-DC 12A-n2A, EN-DC 12A-n7A, EN-DC 66A-n12A, EN-DC 12A-n25A, EN-DC 12A-n30A, EN-DC 5A-n41A, EN-DC 5A-n66A and EN-DC 66A-n71A.
6. All the radiated test cases were performed with Adapter 1 and USB Cable 2.
7. Wider operating range bandwidth covers narrower one when the power is higher or the same.
8. During the preliminary test, both charging modes (Adapter mode and WPT Client mode) were verified. It is determined that the adapter mode is the worst case for official test.
9. One representative bandwidth is selected to perform PAR and frequency stability.

2.2 Connection Diagram of Test System

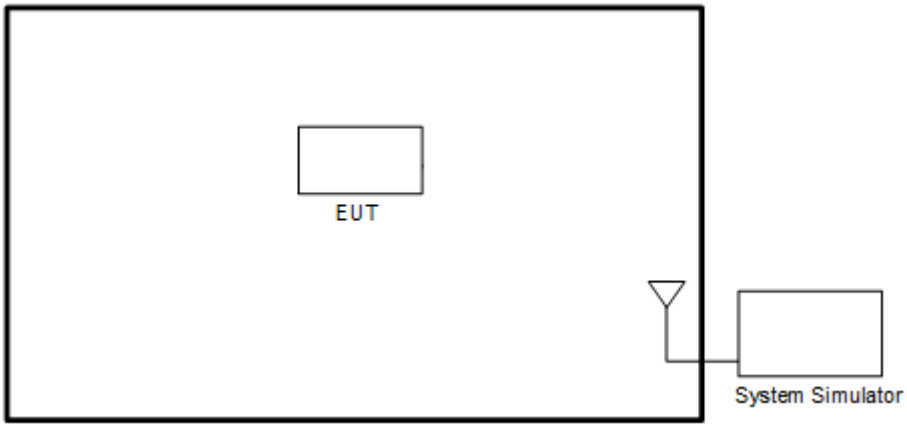
<EUT with Adapter>



<EUT with Earphone>



<EUT without Accessory>



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	5G Wireless Test Platform	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

5G NR n5 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	505000	507000	509000
	Frequency	2525	2535	2545
40	Channel	504000	507000	510000
	Frequency	2520	2535	2550
30	Channel	503000	507000	511000
	Frequency	2515	2535	2555
25	Channel	502500	507000	511500
	Frequency	2512.5	2535	2557.5
20	Channel	502000	507000	512000
	Frequency	2510	2535	2560
15	Channel	501500	507000	512500
	Frequency	2507.5	2535	2562.5
10	Channel	501000	507000	513000
	Frequency	2505	2535	2565
5	Channel	500500	507000	513500
	Frequency	2502.5	2535	2567.5

5G NR n12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	141300	141500	141700
	Frequency	706.5	707.5	708.5
10	Channel	140800	141500	142200
	Frequency	704	707.5	711
5	Channel	140300	141500	142700
	Frequency	701.5	707.5	713.5

5G NR n14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	158600	-
	Frequency	-	793	-
5	Channel	158100	158600	159100
	Frequency	790.5	793	795.5

5G NR n25 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
40	Channel	374000	376500	379000
	Frequency	1870	1882.5	1895
30	Channel	373000	376500	380000
	Frequency	1865	1882.5	1900
25	Channel	372500	376500	380500
	Frequency	1862.5	1882.5	1902.5
20	Channel	372000	376500	381000
	Frequency	1860	1882.5	1905
15	Channel	371500	376500	381500
	Frequency	1857.5	1882.5	1907.5
10	Channel	371000	376500	382000
	Frequency	1855	1882.5	1910
5	Channel	370500	376500	382500
	Frequency	1852.5	1882.5	1912.5

5G NR n30 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
10	Channel	-	27710	-
	Frequency	-	2310	-
5	Channel	27685	27710	27735
	Frequency	2307.5	2310	2312.5

5G NR n38 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	516000	519000	522000
	Frequency	2580	2595	2610
15	Channel	515500	519000	522500
	Frequency	2577.5	2595	2612.5
10	Channel	515000	519000	523000
	Frequency	2575	2595	2615

5G NR n41 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685

5G NR n66 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
25	Channel	344500	349000	353500
	Frequency	1722.5	1745	1767.5
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

5G NR n71 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5

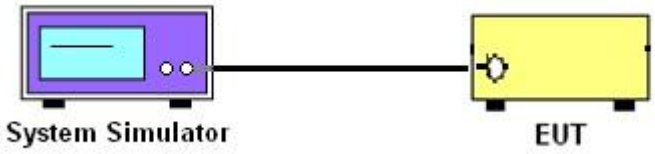
3 Conducted Test Items

3.1 Measuring Instruments

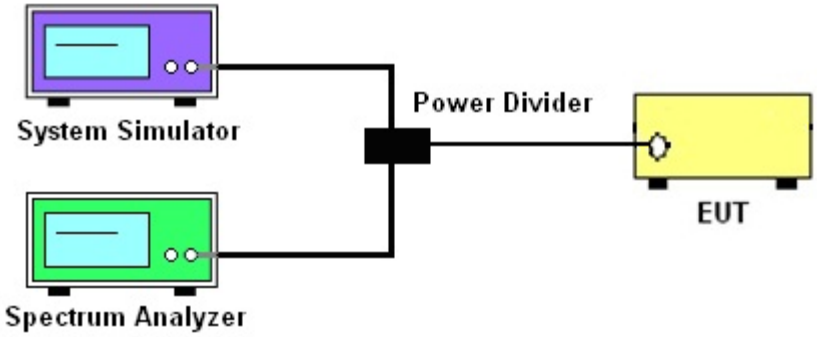
See list of measuring instruments of this test report.

3.1.1 Test Setup

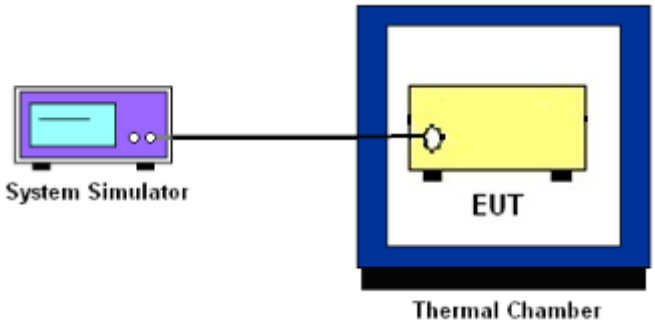
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge, Emission Mask and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n12, n14, n71

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2, n25, n7, n38, n41

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66

The EIRP of mobile transmitters must not exceed 250mW/5MHz for 5G NR n30

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. 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.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.

3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
   (this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “–X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (g)

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz 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.

27.53 (a)(4)

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz.

(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz.

(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

90.543(e)

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   For 5G NR n7, n38, n41
   The other 40 dB, and 55 dB have additionally applied same calculation above.

3.6 Emission Mask

3.6.1 Description of Emissions Mask Measurement

For 5G NR n14

Transmitters designed must meet the emission mask comply with the emission mask provisions of FCC Part 90.210(n).

3.6.2 Test Procedures

For 5G NR n14

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The power of the modulated signal was measured on a spectrum analyzer using an RMS and 10 second sweep time in order to maximize the level.
3. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.7 Conducted Spurious Emission

3.7.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For 5G NR n30

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 70 + 10 log (P) dB.

For 5G NR n7, n38, n41

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10^{th} harmonic.

3.7.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GH, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

   For 5G NR n30

   The limit line is derived from 70 + 10log(P)dB below the transmitter power P(Watts)

   = P(W)- [70 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [70 + 10log(P)] (dB)

   = -40dBm.

   For 5G NR n7, n38, n41

   The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

22.355
The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

3.8.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.8.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at 20±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

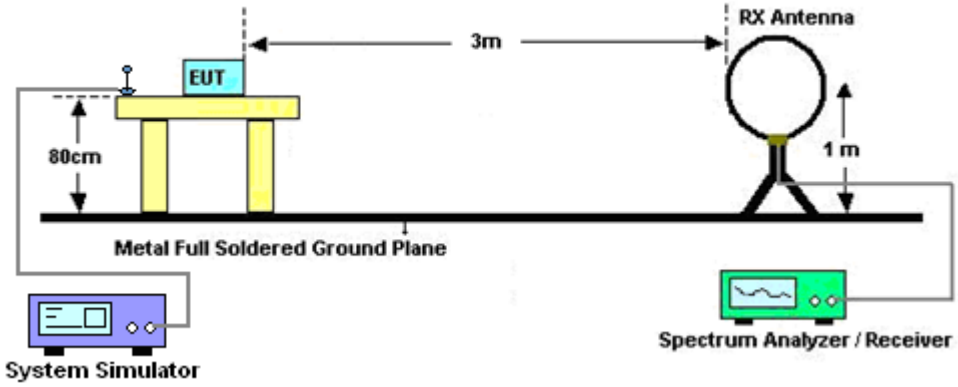
4 Radiated Test Items

4.1 Measuring Instruments

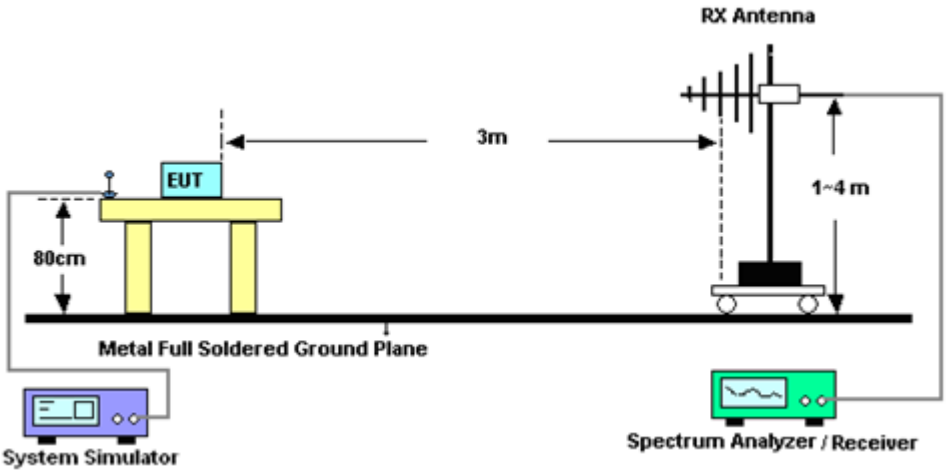
See list of measuring instruments of this test report.

4.1.1 Test Setup

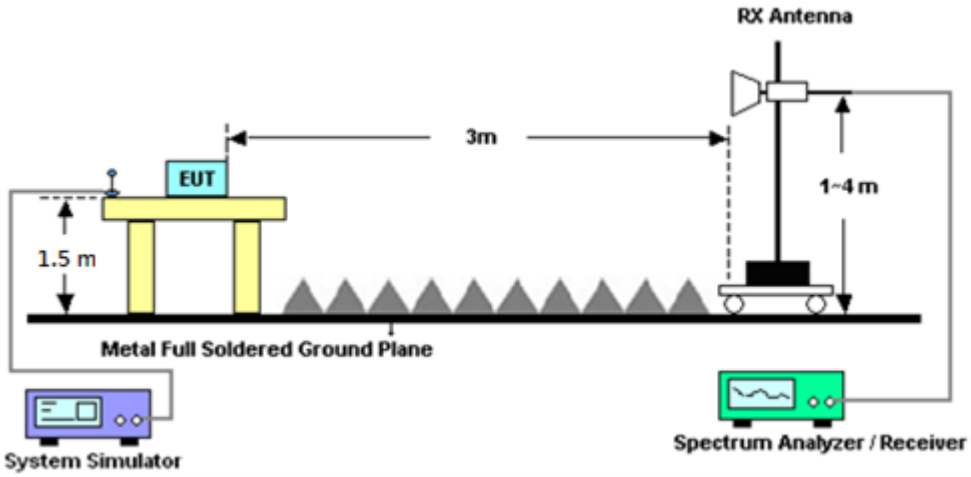
For radiated test below 30MHz



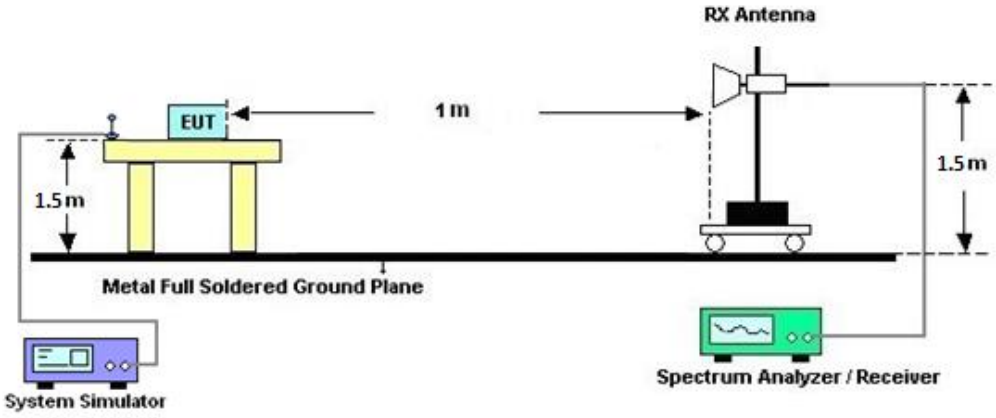
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E.
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB
For 5G NR n7, n38, n41
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

For 5G NR n30
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 70 + 10 log (P) dB.
For 5G NR n14
For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.
The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    For 5G NR n30

    The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 70 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [70 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [70 + 10log(P)] (dB)
    = -40dBm.
    For 5G NR n7, n38, n41
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	May 13, 2022	Sep. 21, 2022~ Oct. 22, 2022	May 12, 2023	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Dec. 03, 2021	Sep. 21, 2022~ Oct. 22, 2022	Dec. 02, 2022	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 24, 2022	Sep. 21, 2022~ Oct. 22, 2022	Apr. 23, 2023	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Sep. 21, 2022~ Oct. 22, 2022	Feb. 05, 2023	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 10, 2022	Sep. 21, 2022~ Oct. 22, 2022	Mar. 09, 2023	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Sep. 21, 2022~ Oct. 22, 2022	Nov. 29, 2022	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2022	Sep. 21, 2022~ Oct. 22, 2022	May 13, 2023	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 23, 2022	Sep. 21, 2022~ Oct. 22, 2022	Mar. 22, 2023	Radiation (03CH12-HY)
Preamplifier	Aglient	8449B	3008A02375	1GHz~26.5GHz	May 24, 2022	Sep. 21, 2022~ Oct. 22, 2022	May 23, 2023	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 22, 2021	Sep. 21, 2022~ Oct. 22, 2022	Dec. 21, 2022	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900269	1GHz-18GHz	Dec. 27, 2021	Sep. 21, 2022~ Oct. 22, 2022	Dec. 26, 2022	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Sep. 21, 2022~ Oct. 22, 2022	Dec. 23, 2022	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY53470118	10Hz~44GHz	Jan. 12, 2022	Sep. 21, 2022~ Oct. 22, 2022	Jan. 11, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Sep. 21, 2022~ Oct. 22, 2022	Mar. 09, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 10, 2021	Sep. 21, 2022~ Oct. 22, 2022	Dec. 09, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Sep. 21, 2022~ Oct. 22, 2022	Feb. 20, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Mar. 08, 2022	Sep. 21, 2022~ Oct. 22, 2022	Mar. 07, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN2	6.75GHz High Pass Filter	Mar. 15, 2022	Sep. 21, 2022~ Oct. 22, 2022	Mar. 14, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60SS	SN1	1.2GHz High Pass Filter	Mar. 15, 2022	Sep. 21, 2022~ Oct. 22, 2022	Mar. 14, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN2	3GHz High Pass Filter	Jul. 11, 2022	Sep. 21, 2022~ Oct. 22, 2022	Jul. 10, 2023	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 26, 2021	Sep. 21, 2022~ Oct. 22, 2022	Nov. 25, 2022	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 21, 2022~ Oct. 22, 2022	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Sep. 21, 2022~ Oct. 22, 2022	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Sep. 21, 2022~ Oct. 22, 2022	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Sep. 21, 2022~ Oct. 22, 2022	N/A	Radiation (03CH12-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Programmable Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Feb. 23, 2022	Sep. 21, 2022~ Dec. 20, 2022	Feb. 22, 2023	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	May 05, 2022	Sep. 21, 2022~ Dec. 20, 2022	May 04, 2023	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 07, 2022	Sep. 21, 2022~ Dec. 20, 2022	Sep. 06, 2023	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116730	LTE	Jun. 15, 2022	Sep. 21, 2022~ Dec. 20, 2022	Jun. 14, 2023	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262134933	FR1	Jun. 13, 2022	Sep. 21, 2022~ Dec. 20, 2022	Jun. 12, 2023	Conducted (TH03-HY)

6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.31 dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.25 dB**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.81 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

<Primary Antenna>

NR n2 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.92	24.89	24.84	21.19	0.1315
5	1	23		24.85	24.91	24.99		
5	12	6		24.92	24.92	24.88		
5	1	0		24.45	24.38	24.37		
5	1	24		24.32	24.24	24.48		
5	25	0		24.31	24.34	24.35		
5	1	1	QPSK	24.91	24.82	24.90		
5	1	23		24.81	24.70	24.92		
5	12	6		24.90	24.86	24.92		
5	1	0		23.41	23.37	23.37		
5	1	24		23.34	23.32	23.47		
5	25	0		23.39	23.36	23.38		
5	1	1	16-QAM	23.92	23.75	23.98	20.18	0.1042
5	1	1	64-QAM	22.57	22.65	22.41		
5	1	1	256-QAM	20.48	20.41	20.41		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.01	24.90	24.94	21.22	0.1324
10	1	50		24.95	24.78	24.96		
10	25	12		24.94	24.85	24.92		
10	1	0		24.41	24.41	24.40		
10	1	51		24.46	24.32	24.44		
10	50	0		24.41	24.45	24.45		
10	1	1	QPSK	25.02	24.81	24.95		
10	1	50		24.96	24.76	24.95		
10	25	12		24.97	24.84	24.92		
10	1	0		23.49	23.47	23.42		
10	1	51		23.51	23.31	23.48		
10	50	0		23.49	23.43	23.37		
10	1	1	16-QAM	24.12	24.01	23.83	20.32	0.1076
10	1	1	64-QAM	22.47	22.45	22.31		
10	1	1	256-QAM	20.45	20.37	20.45		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.95	24.82	24.75	21.17	0.1309
15	1	77		24.92	24.75	24.87		
15	36	18		24.97	24.92	24.78		
15	1	0		24.45	24.42	24.34		
15	1	78		24.39	24.29	24.41		
15	75	0		24.41	24.39	24.31		
15	1	1	QPSK	24.96	24.91	24.72		
15	1	77		24.92	24.84	24.81		
15	36	18		24.95	24.86	24.81		
15	1	0		23.47	23.46	23.31		
15	1	78		23.38	23.36	23.34		
15	75	0		23.37	23.34	23.31		
15	1	1	16-QAM	23.94	24.14	23.94	20.34	0.1081
15	1	1	64-QAM	22.52	22.52	22.44		
15	1	1	256-QAM	20.31	20.51	20.42		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.90	24.89	24.90	21.11	0.1291
20	1	104		24.81	24.75	24.85		
20	50	25		24.87	24.90	24.79		
20	1	0		24.41	24.40	24.28		
20	1	105		24.21	24.29	24.34		
20	100	0		24.35	24.37	24.31		
20	1	1	QPSK	24.82	24.91	24.76		
20	1	104		24.74	24.70	24.83		
20	50	25		24.91	24.87	24.78		
20	1	0		23.38	23.43	23.37		
20	1	105		23.28	23.21	23.39		
20	100	0		23.39	23.33	23.38		
20	1	1	16-QAM	23.86	24.12	23.94	20.32	0.1076
20	1	1	64-QAM	22.45	22.37	22.52		
20	1	1	256-QAM	20.41	20.43	20.31		
Limit	EIRP < 2W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -5.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.89	24.54	24.71	17.44	0.0555
5	1	23		24.37	24.30	24.22		
5	12	6		24.69	24.49	24.47		
5	1	0		24.38	23.94	24.30		
5	1	24		23.82	23.76	23.68		
5	25	0		24.14	23.95	23.96		
5	1	1	QPSK	24.82	24.54	24.62		
5	1	23		24.32	24.35	24.11		
5	12	6		24.72	24.52	24.48		
5	1	0		23.98	23.70	23.85		
5	1	24		23.36	23.48	23.21		
5	25	0		23.78	23.70	23.56		
5	1	1	16-QAM	24.05	23.79	23.91	16.60	0.0457
5	1	1	64-QAM	22.67	22.22	22.59		
5	1	1	256-QAM	19.42	19.11	19.85		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -5.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.95	24.71	25.32	17.87	0.0612
10	1	50		23.99	24.23	23.77		
10	25	12		24.74	24.85	24.62		
10	1	0		24.62	24.18	24.83		
10	1	51		23.49	23.72	23.17		
10	50	0		24.20	24.23	24.10		
10	1	1	QPSK	24.85	24.74	25.22		
10	1	50		24.00	24.27	23.78		
10	25	12		24.77	24.87	24.63		
10	1	0		24.28	23.81	24.49		
10	1	51		23.15	23.35	22.86		
10	50	0		23.89	23.86	23.77		
10	1	1	16-QAM	24.27	23.75	24.47	17.02	0.0504
10	1	1	64-QAM	23.12	22.48	23.07		
10	1	1	256-QAM	21.94	20.18	21.49		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -5.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.66	24.56	24.55	17.37	0.0546
15	1	77		23.76	23.57	22.84		
15	36	18		24.45	24.81	24.77		
15	1	0		24.32	23.96	23.86		
15	1	78		23.18	23.02	22.52		
15	75	0		23.91	24.06	24.01		
15	1	1	QPSK	24.78	24.32	24.48		
15	1	77		23.79	23.54	22.92		
15	36	18		24.45	24.77	24.82		
15	1	0		23.90	23.53	23.58		
15	1	78		22.85	22.49	22.15		
15	75	0		23.51	23.60	23.67		
15	1	1	16-QAM	24.03	23.63	23.45	16.58	0.0455
15	1	1	64-QAM	22.79	22.11	22.14		
15	1	1	256-QAM	21.41	20.19	19.78		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -5.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	25.70	25.64	25.46	18.25	0.0668
20	1	104		24.51	24.00	24.09		
20	50	25		24.71	25.02	25.14		
20	1	0		25.26	25.10	24.90		
20	1	105		23.84	23.42	23.52		
20	100	0		24.42	24.53	24.51		
20	1	1	QPSK	25.57	25.51	25.29		
20	1	104		24.50	23.97	23.98		
20	50	25		24.71	25.00	25.22		
20	1	0		24.87	24.82	24.47		
20	1	105		23.47	23.15	23.09		
20	100	0		24.08	24.20	24.11		
20	1	1	16-QAM	24.87	24.74	24.41	17.42	0.0552
20	1	1	64-QAM	23.55	23.45	22.95		
20	1	1	256-QAM	20.54	20.28	19.67		
Limit	ERP < 7W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	25.31	25.04	25.14	24.41	0.2761
5	1	23		25.22	25.07	25.12		
5	12	6		25.24	25.11	25.17		
5	1	0		24.85	24.57	24.67		
5	1	24		24.72	24.55	24.63		
5	25	0		24.71	24.63	24.66		
5	1	1	QPSK	25.21	25.04	25.12		
5	1	23		25.22	25.04	25.12		
5	12	6		25.22	25.13	25.14		
5	1	0		23.31	23.10	23.07		
5	1	24		23.24	23.16	23.17		
5	25	0		23.21	23.17	23.12		
5	1	1	16-QAM	24.37	24.01	24.14	23.47	0.2223
5	1	1	64-QAM	23.12	22.42	22.72		
5	1	1	256-QAM	20.79	20.59	20.84		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.18	25.02	25.17	24.28	0.2679
10	1	50		25.07	25.11	25.03		
10	25	12		25.10	25.13	25.12		
10	1	0		24.71	24.55	24.64		
10	1	51		24.52	24.60	24.54		
10	50	0		24.52	24.59	24.57		
10	1	1	QPSK	25.10	25.10	25.17		
10	1	50		24.97	25.14	25.15		
10	25	12		25.11	25.14	25.08		
10	1	0		23.08	23.04	23.17		
10	1	51		23.07	23.11	23.10		
10	50	0		23.06	23.10	23.12		
10	1	1	16-QAM	24.30	24.10	24.12	23.40	0.2188
10	1	1	64-QAM	22.86	22.73	22.79		
10	1	1	256-QAM	20.56	20.49	20.67		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.15	25.01	25.14	24.40	0.2754
15	1	77		25.10	25.14	25.20		
15	36	18		25.17	25.12	25.18		
15	1	0		24.76	24.57	24.65		
15	1	78		24.53	24.64	24.71		
15	75	0		24.61	24.58	24.67		
15	1	1	QPSK	25.30	25.05	25.19		
15	1	77		25.14	25.13	25.16		
15	36	18		25.17	25.14	25.15		
15	1	0		23.30	23.04	23.15		
15	1	78		23.07	23.19	23.18		
15	75	0		23.07	23.04	23.23		
15	1	1	16-QAM	24.40	24.07	24.21	23.50	0.2239
15	1	1	64-QAM	22.93	22.67	22.78		
15	1	1	256-QAM	20.91	20.45	20.74		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.31	25.04	25.24	24.41	0.2761
20	1	104		25.07	25.12	25.16		
20	50	25		25.17	25.12	25.19		
20	1	0		24.80	24.54	24.72		
20	1	105		24.61	24.54	24.71		
20	100	0		24.70	24.61	24.68		
20	1	1	QPSK	25.31	25.12	25.06		
20	1	104		25.08	25.07	25.14		
20	50	25		25.21	25.13	25.17		
20	1	0		23.27	23.11	23.22		
20	1	105		23.11	23.13	23.17		
20	100	0		23.17	23.10	23.22		
20	1	1	16-QAM	24.40	24.23	24.22	23.50	0.2239
20	1	1	64-QAM	22.83	22.71	22.69		
20	1	1	256-QAM	20.82	20.63	20.81		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	25.31	25.14	25.23	24.41	0.2761
25	1	131		25.10	25.16	25.07		
25	64	32		25.12	25.14	25.10		
25	1	0		24.86	24.52	24.67		
25	1	132		24.60	24.65	24.56		
25	128	0		24.71	24.63	24.55		
25	1	1	QPSK	25.31	25.07	25.18		
25	1	131		25.01	25.10	25.14		
25	64	32		25.18	25.06	25.15		
25	1	0		23.28	23.12	23.21		
25	1	132		23.12	23.21	23.12		
25	128	0		23.19	23.10	23.18		
25	1	1	16-QAM	24.31	24.01	24.02	23.41	0.2193
25	1	1	64-QAM	22.72	22.65	22.72		
25	1	1	256-QAM	20.94	20.71	20.68		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.31	25.03	25.18	24.41	0.2761
30	1	158		24.98	24.57	25.07		
30	80	40		25.04	25.02	25.06		
30	1	0		24.71	24.50	24.67		
30	1	159		24.47	24.51	24.60		
30	160	0		24.54	24.43	24.53		
30	1	1	QPSK	25.31	25.10	25.14		
30	1	158		25.02	25.10	25.01		
30	80	40		25.10	24.95	25.10		
30	1	0		23.25	23.08	23.17		
30	1	159		23.96	23.04	22.98		
30	160	0		23.01	23.07	23.10		
30	1	1	16-QAM	24.08	24.14	24.02	23.24	0.2109
30	1	1	64-QAM	22.85	22.53	23.03		
30	1	1	256-QAM	20.84	20.57	20.91		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.51	25.36	25.41	24.62	0.2897
40	1	214		25.42	25.29	25.31		
40	108	54		25.28	25.22	25.34		
40	1	0		25.07	24.88	24.81		
40	1	215		24.92	24.79	24.81		
40	216	0		24.78	24.87	24.78		
40	1	1	QPSK	25.52	25.34	25.41		
40	1	214		25.45	25.19	25.31		
40	108	54		25.33	25.28	25.34		
40	1	0		23.55	23.41	23.34		
40	1	215		23.41	23.35	23.32		
40	216	0		23.34	23.27	23.27		
40	1	1	16-QAM	24.71	24.41	24.40	23.81	0.2404
40	1	1	64-QAM	22.94	22.81	22.98		
40	1	1	256-QAM	21.08	20.86	20.77		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.61	25.47	25.37	24.74	0.2979
50	1	268		25.43	25.34	25.33		
50	135	67		25.21	25.35	25.30		
50	1	0		25.10	24.99	24.91		
50	1	269		24.95	24.86	25.25		
50	270	0		24.79	24.88	24.79		
50	1	1	QPSK	25.64	25.51	25.45		
50	1	268		25.37	25.45	25.31		
50	135	67		25.21	25.40	25.33		
50	1	0		23.63	23.48	23.44		
50	1	269		23.48	23.41	23.33		
50	270	0		23.33	23.38	23.38		
50	1	1	16-QAM	24.67	24.45	24.41	23.77	0.2382
50	1	1	64-QAM	23.02	23.07	23.01		
50	1	1	256-QAM	21.11	20.95	21.95		
Limit	EIRP < 2W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.67	24.59	24.92	16.77	0.0475
5	1	23		23.71	24.59	24.17		
5	12	6		24.33	24.70	24.67		
5	1	0		24.23	23.97	24.35		
5	1	24		23.11	24.06	23.62		
5	25	0		23.81	24.07	24.15		
5	1	1	QPSK	24.67	24.41	24.87		
5	1	23		23.67	24.53	24.16		
5	12	6		24.34	24.72	24.68		
5	1	0		23.78	23.73	24.03		
5	1	24		22.66	23.70	23.31		
5	25	0		23.39	23.85	23.83		
5	1	1	16-QAM	23.92	23.79	24.12	15.97	0.0395
5	1	1	64-QAM	22.70	22.21	22.62		
5	1	1	256-QAM	19.10	19.30	19.24		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	25.18	24.64	24.47	17.03	0.0505
10	1	50		24.17	24.40	23.83		
10	25	12		24.53	24.77	24.77		
10	1	0		24.77	24.12	23.97		
10	1	51		23.56	23.87	23.32		
10	50	0		24.07	24.17	24.09		
10	1	1	QPSK	25.09	24.56	24.45		
10	1	50		24.15	24.41	23.76		
10	25	12		24.48	24.78	24.82		
10	1	0		24.35	23.84	23.64		
10	1	51		23.15	23.63	23.00		
10	50	0		23.72	23.92	23.84		
10	1	1	16-QAM	24.25	23.95	23.75	16.10	0.0407
10	1	1	64-QAM	22.97	22.58	22.27		
10	1	1	256-QAM	19.85	20.86	19.78		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	25.44	25.34	25.22	17.29	0.0536
15	1	77		24.19	24.31	24.31		
15	36	18		24.92	25.02	25.20		
15	1	0		24.89	24.85	24.72		
15	1	78		23.59	23.71	23.69		
15	75	0		24.39	24.42	24.54		
15	1	1	QPSK	25.36	25.30	25.15		
15	1	77		24.14	24.29	24.25		
15	36	18		24.92	25.09	25.25		
15	1	0		24.49	24.47	24.42		
15	1	78		23.21	23.34	23.37		
15	75	0		24.00	24.11	24.22		
15	1	1	16-QAM	24.52	24.55	24.45	16.40	0.0437
15	1	1	64-QAM	23.12	23.19	23.00		
15	1	1	256-QAM	19.31	19.49	19.42		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = -5.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.74	24.72	24.79	17.89	0.0615
5	1	23		24.66	23.97	24.16		
5	12	6		25.12	24.51	24.50		
5	1	0		24.23	24.31	24.33		
5	1	24		24.15	23.50	23.65		
5	25	0		24.49	24.01	24.01		
5	1	1	QPSK	24.78	24.72	24.74		
5	1	23		24.61	23.97	24.14		
5	12	6		25.14	24.54	24.54		
5	1	0		23.75	23.95	23.91		
5	1	24		23.71	23.11	23.19		
5	25	0		24.04	23.62	23.61		
5	1	1	16-QAM	24.01	23.94	23.91	16.76	0.0474
5	1	1	64-QAM	22.37	22.56	22.65		
5	1	1	256-QAM	19.65	19.79	20.17		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = -5.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	24.85	-	17.60	0.0575
10	1	50		-	23.94	-		
10	25	12		-	24.79	-		
10	1	0		-	24.19	-		
10	1	51		-	23.39	-		
10	50	0		-	24.20	-		
10	1	1	QPSK	-	24.81	-		
10	1	50		-	23.87	-		
10	25	12		-	24.82	-		
10	1	0		-	23.79	-		
10	1	51		-	22.94	-		
10	50	0		-	23.81	-		
10	1	1	16-QAM	-	23.96	-	16.71	0.0469
10	1	1	64-QAM	-	22.45	-		
10	1	1	256-QAM	-	19.51	-		
Limit	ERP < 3W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	25.25	25.02	24.99	21.45	0.1396
5	1	23		25.02	24.93	25.07		
5	12	6		25.05	24.93	25.12		
5	1	0		24.56	24.54	24.61		
5	1	24		24.58	24.31	24.67		
5	25	0		24.54	24.53	24.61		
5	1	1	QPSK	24.95	24.97	25.07		
5	1	23		24.96	24.78	25.11		
5	12	6		24.95	24.87	25.02		
5	1	0		23.03	22.87	22.96		
5	1	24		22.98	22.85	23.10		
5	25	0		22.43	22.45	22.47		
5	1	1	16-QAM	24.03	23.94	23.81	20.23	0.1054
5	1	1	64-QAM	22.41	22.57	22.71		
5	1	1	256-QAM	18.35	18.51	18.57		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.24	25.02	24.94	21.44	0.1393
10	1	50		25.16	24.92	25.17		
10	25	12		25.07	24.92	25.09		
10	1	0		24.63	24.69	24.51		
10	1	51		24.54	24.43	24.71		
10	50	0		24.52	24.42	24.60		
10	1	1	QPSK	25.03	24.83	24.82		
10	1	50		24.91	24.82	25.12		
10	25	12		25.02	24.76	24.97		
10	1	0		23.04	22.91	23.02		
10	1	51		22.98	22.81	23.13		
10	50	0		22.49	22.39	22.53		
10	1	1	16-QAM	24.12	23.97	23.91	20.32	0.1076
10	1	1	64-QAM	22.58	22.47	22.62		
10	1	1	256-QAM	18.71	18.40	18.68		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.20	25.14	25.01	21.42	0.1387
15	1	77		25.06	24.93	25.22		
15	36	18		25.05	25.05	25.02		
15	1	0		24.59	24.59	24.61		
15	1	78		24.56	24.45	24.74		
15	75	0		24.50	24.46	24.71		
15	1	1	QPSK	25.04	25.01	24.95		
15	1	77		25.00	24.86	25.02		
15	36	18		24.97	24.83	24.95		
15	1	0		23.01	22.93	22.89		
15	1	78		22.99	22.81	23.03		
15	75	0		22.41	22.43	22.47		
15	1	1	16-QAM	23.95	24.02	24.03	20.23	0.1054
15	1	1	64-QAM	22.55	22.56	22.41		
15	1	1	256-QAM	18.53	18.38	18.74		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.17	25.08	24.96	21.37	0.1371
20	1	104		25.11	24.97	25.17		
20	50	25		25.03	25.01	25.04		
20	1	0		24.63	24.80	24.54		
20	1	105		24.57	24.37	24.70		
20	100	0		24.54	24.52	24.60		
20	1	1	QPSK	24.98	24.87	24.89		
20	1	104		24.95	24.80	25.14		
20	50	25		24.98	22.82	24.94		
20	1	0		22.95	22.94	23.01		
20	1	105		22.91	22.78	23.15		
20	100	0		22.46	22.39	22.45		
20	1	1	16-QAM	24.02	23.71	23.84	20.22	0.1052
20	1	1	64-QAM	22.58	22.49	22.49		
20	1	1	256-QAM	18.62	18.56	18.54		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	25.07	25.04	24.94	21.37	0.1371
25	1	131		24.92	24.95	25.17		
25	64	32		25.05	24.98	24.94		
25	1	0		24.52	24.59	24.52		
25	1	132		24.48	24.37	24.62		
25	128	0		24.49	24.42	24.64		
25	1	1	QPSK	24.88	25.04	24.81		
25	1	131		24.81	24.81	24.89		
25	64	32		24.83	24.84	24.80		
25	1	0		23.02	22.97	22.72		
25	1	132		22.85	22.83	22.91		
25	128	0		22.31	22.31	22.31		
25	1	1	16-QAM	23.83	24.11	24.06	20.31	0.1074
25	1	1	64-QAM	22.48	22.74	22.67		
25	1	1	256-QAM	18.27	18.90	18.56		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.17	25.07	24.87	21.37	0.1371
30	1	158		24.92	24.92	25.12		
30	80	40		25.10	24.99	25.07		
30	1	0		24.65	24.56	24.47		
30	1	159		24.41	24.37	24.67		
30	160	0		24.61	24.47	24.61		
30	1	1	QPSK	25.02	24.85	24.66		
30	1	158		24.78	24.71	24.94		
30	80	40		24.99	24.78	24.79		
30	1	0		23.03	22.97	23.01		
30	1	159		22.83	22.76	22.94		
30	160	0		22.38	22.26	22.57		
30	1	1	16-QAM	24.06	23.96	23.84	20.26	0.1062
30	1	1	64-QAM	22.87	22.45	22.69		
30	1	1	256-QAM	18.55	18.34	18.24		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.08	25.09	25.06	21.34	0.1361
40	1	214		24.81	24.84	25.14		
40	108	54		25.11	25.03	25.06		
40	1	0		24.66	24.53	24.68		
40	1	215		24.38	24.32	24.64		
40	216	0		24.52	24.44	24.67		
40	1	1	QPSK	25.02	24.97	24.87		
40	1	214		24.71	24.73	24.92		
40	108	54		25.01	24.87	24.85		
40	1	0		22.97	22.84	23.06		
40	1	215		22.65	22.70	23.02		
40	216	0		22.38	22.40	22.50		
40	1	1	16-QAM	24.11	23.83	23.72	20.31	0.1074
40	1	1	64-QAM	22.52	22.77	22.63		
40	1	1	256-QAM	18.70	18.53	18.31		
Limit	EIRP < 2W			Result			Pass	

NR n30 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.02	23.95	23.96	22.52	0.1786
5	1	23		23.84	23.85	23.84		
5	12	6		23.92	23.92	23.87		
5	1	0		23.47	23.45	23.42		
5	1	24		23.43	23.30	23.32		
5	25	0		23.40	23.41	23.38		
5	1	1	QPSK	23.87	24.02	23.95		
5	1	23		23.87	23.87	23.79		
5	12	6		23.91	23.92	23.86		
5	1	0		22.97	22.96	22.97		
5	1	24		22.83	22.84	22.81		
5	25	0		22.91	22.84	22.94		
5	1	1	16-QAM	23.01	23.06	22.92	21.56	0.1432
5	1	1	64-QAM	21.54	21.54	21.64		
5	1	1	256-QAM	19.45	19.52	19.12		
Limit	EIRP < 250 mW/5MHz			Result			Pass	

NR n30 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	-	24.05	-	22.55	0.1799
10	1	50		-	23.78	-		
10	25	12		-	23.81	-		
10	1	0		-	23.49	-		
10	1	51		-	23.23	-		
10	50	0		-	23.41	-		
10	1	1	QPSK	-	23.97	-		
10	1	50		-	23.79	-		
10	25	12		-	23.88	-		
10	1	0		-	23.02	-		
10	1	51		-	22.71	-		
10	50	0		-	22.88	-		
10	1	1	16-QAM	-	23.02	-	21.52	0.1419
10	1	1	64-QAM	-	21.70	-		
10	1	1	256-QAM	-	19.52	-		
Limit	EIRP < 250 mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.

NR n38 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.80	24.53	24.58	24.25	0.2661
10	1	22		24.10	24.74	24.79		
10	12	6		24.17	24.84	24.93		
10	1	0		23.31	24.08	24.16		
10	1	23		23.63	24.31	24.31		
10	24	0		23.65	24.38	24.42		
10	1	1	QPSK	23.79	24.63	24.61		
10	1	22		24.07	24.86	24.74		
10	12	6		24.11	24.95	24.93		
10	1	0		22.72	23.62	23.64		
10	1	23		23.02	23.87	23.78		
10	24	0		23.03	23.94	23.88		
10	1	1	16-QAM	22.72	23.72	23.59	23.02	0.2004
10	1	1	64-QAM	21.67	22.34	22.34		
10	1	1	256-QAM	20.31	20.33	20.07		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.89	23.95	24.11	24.10	0.2570
15	1	36		24.25	24.22	24.27		
15	18	9		24.73	24.75	24.79		
15	1	0		23.41	23.47	23.54		
15	1	37		24.77	23.74	23.72		
15	36	0		24.09	24.13	24.13		
15	1	1	QPSK	23.95	23.98	24.13		
15	1	36		24.28	24.23	24.25		
15	18	9		24.75	24.76	24.80		
15	1	0		22.87	22.91	22.99		
15	1	37		23.23	23.19	23.17		
15	36	0		23.56	23.57	23.58		
15	1	1	16-QAM	22.84	23.02	23.06	22.36	0.1722
15	1	1	64-QAM	21.80	21.80	22.11		
15	1	1	256-QAM	19.97	19.82	19.86		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.89	24.78	24.81	24.64	0.2911
20	1	49		25.34	25.06	24.96		
20	25	12		25.16	24.91	24.91		
20	1	0		24.57	24.38	24.25		
20	1	50		24.94	24.69	24.41		
20	50	0		24.77	24.53	24.35		
20	1	1	QPSK	24.97	24.80	24.87		
20	1	49		25.33	25.06	24.99		
20	25	12		25.17	24.92	24.91		
20	1	0		24.03	23.84	23.75		
20	1	50		24.38	24.14	23.92		
20	50	0		24.22	23.99	23.84		
20	1	1	16-QAM	24.03	23.82	23.67	23.33	0.2153
20	1	1	64-QAM	22.81	22.52	22.45		
20	1	1	256-QAM	20.37	20.52	20.62		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.57	26.68	26.40	26.06	0.4036
10	1	22		26.54	26.67	26.45		
10	12	6		26.52	26.68	26.65		
10	1	0		26.05	26.16	26.07		
10	1	23		26.05	26.15	25.96		
10	24	0		25.02	25.17	24.98		
10	1	1	QPSK	26.65	26.76	26.51		
10	1	22		26.54	26.74	26.46		
10	12	6		26.53	26.73	26.51		
10	1	0		25.54	25.71	25.42		
10	1	23		25.54	25.68	25.44		
10	24	0		24.53	24.67	24.45		
10	1	1	16-QAM	25.51	25.62	25.43	24.92	0.3105
10	1	1	64-QAM	24.11	24.35	24.05		
10	1	1	256-QAM	21.94	22.25	22.02		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.61	26.75	26.62	26.06	0.4036
15	1	36		26.57	26.74	26.59		
15	18	9		26.56	26.68	26.61		
15	1	0		26.12	26.20	26.07		
15	1	37		26.06	26.17	26.03		
15	36	0		25.06	25.20	25.09		
15	1	1	QPSK	26.63	26.75	26.61		
15	1	36		26.52	26.71	26.64		
15	18	9		26.57	26.76	26.66		
15	1	0		25.59	25.72	25.57		
15	1	37		25.51	25.73	25.59		
15	36	0		24.56	24.68	24.61		
15	1	1	16-QAM	25.61	25.79	25.53	25.09	0.3228
15	1	1	64-QAM	24.10	24.24	24.36		
15	1	1	256-QAM	22.07	22.31	22.05		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.51	26.67	26.67	26.05	0.4027
20	1	49		26.43	26.62	26.59		
20	25	12		26.45	26.70	26.62		
20	1	0		26.06	26.25	26.06		
20	1	50		25.93	26.20	26.02		
20	50	0		25.01	25.24	25.10		
20	1	1	QPSK	26.53	26.73	26.68		
20	1	49		26.45	26.75	26.58		
20	25	12		26.45	26.72	26.63		
20	1	0		25.54	25.78	25.61		
20	1	50		25.40	25.73	25.54		
20	50	0		24.45	24.73	24.61		
20	1	1	16-QAM	25.62	25.75	25.76	25.06	0.3206
20	1	1	64-QAM	23.98	24.15	24.15		
20	1	1	256-QAM	21.76	22.10	22.04		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.64	26.76	26.68	26.06	0.4036
30	1	76		26.54	26.71	26.69		
30	36	18		26.59	26.73	26.72		
30	1	0		26.13	26.21	26.24		
30	1	77		25.97	26.15	26.19		
30	75	0		25.10	25.24	25.16		
30	1	1	QPSK	26.61	26.73	26.71		
30	1	76		26.47	26.72	26.65		
30	36	18		26.58	26.72	26.67		
30	1	0		25.58	25.74	25.71		
30	1	77		25.51	25.75	25.67		
30	75	0		24.58	24.70	24.71		
30	1	1	16-QAM	25.57	25.86	25.63	25.16	0.3281
30	1	1	64-QAM	24.06	24.17	24.17		
30	1	1	256-QAM	22.12	22.21	22.38		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.57	26.72	26.68	26.04	0.4018
40	1	104		26.43	26.65	26.51		
40	50	25		26.45	26.71	26.62		
40	1	0		26.06	26.18	26.13		
40	1	105		25.94	26.15	26.02		
40	100	0		24.94	25.16	25.12		
40	1	1	QPSK	26.58	26.74	26.68		
40	1	104		26.39	26.72	26.52		
40	50	25		26.51	26.68	25.61		
40	1	0		25.58	25.74	25.66		
40	1	105		25.42	25.74	25.52		
40	100	0		24.43	24.72	24.57		
40	1	1	16-QAM	25.63	25.67	25.75	25.05	0.3199
40	1	1	64-QAM	24.07	24.42	24.05		
40	1	1	256-QAM	22.10	22.37	22.12		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.64	26.68	26.82	26.12	0.4093
50	1	131		26.52	26.63	26.63		
50	64	32		26.52	26.72	26.72		
50	1	0		26.09	26.21	26.33		
50	1	132		25.99	26.14	26.14		
50	128	0		25.01	25.19	25.18		
50	1	1	QPSK	26.62	26.72	26.76		
50	1	131		26.56	26.75	26.63		
50	64	32		26.52	26.74	26.69		
50	1	0		25.63	25.72	25.75		
50	1	132		25.53	25.67	25.60		
50	128	0		24.51	24.72	25.85		
50	1	1	16-QAM	25.95	25.66	25.83	25.25	0.3350
50	1	1	64-QAM	24.24	24.26	24.23		
50	1	1	256-QAM	21.95	22.06	22.09		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.58	26.64	26.68	26.08	0.4055
60	1	160		26.45	26.63	26.67		
60	81	40		26.38	26.72	26.70		
60	1	0		26.13	26.24	26.20		
60	1	161		25.99	26.31	26.15		
60	162	0		24.95	25.16	25.31		
60	1	1	QPSK	26.62	26.72	26.69		
60	1	160		26.44	26.72	26.72		
60	81	40		26.45	26.74	26.78		
60	1	0		25.63	25.75	25.69		
60	1	161		25.49	25.72	25.72		
60	162	0		24.41	24.69	24.71		
60	1	1	16-QAM	25.64	25.75	25.64	25.05	0.3199
60	1	1	64-QAM	24.02	24.30	24.15		
60	1	1	256-QAM	22.11	22.24	22.24		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	26.41	26.50	26.66	26.08	0.4055
70	1	187		26.20	26.54	26.65		
70	90	45		26.30	26.54	26.42		
70	1	0		26.12	26.20	26.00		
70	1	188		25.79	26.26	25.86		
70	180	0		24.75	25.06	25.22		
70	1	1	QPSK	26.41	26.58	26.69		
70	1	187		26.38	26.55	26.49		
70	90	45		26.27	26.45	26.78		
70	1	0		25.37	25.54	25.64		
70	1	188		25.30	25.45	25.63		
70	180	0		24.29	24.65	24.60		
70	1	1	16-QAM	25.47	25.47	25.55	24.85	0.3055
70	1	1	64-QAM	23.83	24.20	24.04		
70	1	1	256-QAM	22.09	22.19	22.11		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.68	26.75	26.81	26.11	0.4083
80	1	215		26.56	26.73	26.56		
80	108	54		26.44	26.73	26.70		
80	1	0		22.24	26.23	26.36		
80	1	216		26.14	26.21	26.21		
80	216	0		24.97	25.18	25.21		
80	1	1	QPSK	26.76	26.68	26.81		
80	1	215		26.57	26.70	26.55		
80	108	54		26.45	26.72	26.75		
80	1	0		25.76	25.68	25.85		
80	1	216		25.62	25.41	25.61		
80	216	0		24.47	24.72	24.68		
80	1	1	16-QAM	25.86	25.75	25.82	25.16	0.3281
80	1	1	64-QAM	24.23	24.05	24.36		
80	1	1	256-QAM	22.32	22.21	22.31		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	26.75	26.77	26.89	26.22	0.4188
90	1	243		26.73	26.81	26.64		
90	120	60		26.53	26.71	26.79		
90	1	0		26.27	26.31	26.39		
90	1	244		26.21	26.32	26.15		
90	240	0		25.05	25.21	25.26		
90	1	1	QPSK	26.70	26.72	26.92		
90	1	243		26.70	26.75	26.63		
90	120	60		26.51	26.72	26.77		
90	1	0		25.72	25.87	25.88		
90	1	244		25.68	25.78	25.64		
90	240	0		24.56	24.69	24.74		
90	1	1	16-QAM	24.72	25.85	26.02	25.32	0.3404
90	1	1	64-QAM	24.42	24.26	24.42		
90	1	1	256-QAM	22.19	22.17	22.26		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	26.88	26.80	26.89	26.21	0.4178
100	1	271		26.65	26.73	26.61		
100	135	67		26.49	26.67	26.71		
100	1	0		26.26	26.24	26.43		
100	1	272		26.16	26.20	26.11		
100	270	0		25.02	25.18	25.21		
100	1	1	QPSK	26.81	26.78	26.91		
100	1	271		26.63	26.72	26.62		
100	135	67		26.48	26.66	26.70		
100	1	0		25.78	25.77	26.01		
100	1	272		25.66	25.76	25.62		
100	270	0		24.49	24.68	24.69		
100	1	1	16-QAM	25.88	25.82	25.86	25.18	0.3296
100	1	1	64-QAM	24.39	24.25	24.51		
100	1	1	256-QAM	22.26	22.25	22.44		
Limit	EIRP < 2W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -4.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.97	24.23	23.83	20.54	0.1132
5	1	23		24.64	24.48	23.81		
5	12	6		24.51	24.52	23.95		
5	1	0		23.78	23.97	23.57		
5	1	24		24.41	24.21	23.52		
5	25	0		24.27	24.24	23.69		
5	1	1	QPSK	24.09	24.16	23.86		
5	1	23		24.55	24.42	23.83		
5	12	6		24.50	24.43	23.99		
5	1	0		23.25	23.36	23.02		
5	1	24		23.76	23.62	22.96		
5	25	0		23.65	23.62	23.14		
5	1	1	16-QAM	23.44	23.54	22.95	19.44	0.0879
5	1	1	64-QAM	22.34	22.16	22.01		
5	1	1	256-QAM	19.25	19.62	20.25		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -4.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.12	24.28	23.95	20.94	0.1242
10	1	50		25.04	24.65	23.82		
10	25	12		24.83	24.63	24.18		
10	1	0		23.86	23.94	23.76		
10	1	51		24.81	24.37	23.63		
10	50	0		24.55	24.33	23.84		
10	1	1	QPSK	24.02	24.27	23.98		
10	1	50		24.99	24.58	23.77		
10	25	12		24.87	24.61	24.16		
10	1	0		23.25	23.41	23.14		
10	1	51		24.22	23.82	22.93		
10	50	0		23.99	23.78	22.26		
10	1	1	16-QAM	23.22	23.52	23.40	19.42	0.0875
10	1	1	64-QAM	22.10	22.37	22.16		
10	1	1	256-QAM	19.50	19.45	20.51		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -4.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.07	23.19	23.12	20.21	0.1050
15	1	77		24.15	24.01	23.12		
15	36	18		24.31	24.16	23.77		
15	1	0		22.59	22.80	22.77		
15	1	78		24.19	23.60	22.76		
15	75	0		23.71	23.66	23.29		
15	1	1	QPSK	23.05	23.16	23.02		
15	1	77		24.09	24.11	23.10		
15	36	18		24.31	24.07	23.82		
15	1	0		21.97	22.31	22.21		
15	1	78		23.10	23.03	22.14		
15	75	0		23.11	23.03	22.71		
15	1	1	16-QAM	22.37	22.28	22.28	18.27	0.0671
15	1	1	64-QAM	21.20	21.31	21.20		
15	1	1	256-QAM	18.67	18.78	19.78		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -4.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.56	23.74	23.61	20.69	0.1172
20	1	104		24.48	24.79	23.86		
20	50	25		24.45	24.13	24.07		
20	1	0		23.14	23.34	23.35		
20	1	105		24.08	24.31	23.56		
20	100	0		23.95	23.73	23.71		
20	1	1	QPSK	23.63	23.73	23.74		
20	1	104		24.51	24.75	23.78		
20	50	25		24.51	24.13	24.08		
20	1	0		22.63	22.81	22.79		
20	1	105		23.59	23.77	22.86		
20	100	0		23.43	23.27	23.14		
20	1	1	16-QAM	22.58	22.82	22.88	18.78	0.0755
20	1	1	64-QAM	21.62	21.83	21.92		
20	1	1	256-QAM	19.05	19.13	19.85		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -4.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.41	24.04	22.21	21.05	0.1274
25	1	131		24.01	25.15	22.68		
25	64	32		24.04	24.18	22.68		
25	1	0		23.00	23.76	21.89		
25	1	132		23.66	24.82	22.36		
25	128	0		23.58	24.04	22.33		
25	1	1	QPSK	23.41	23.91	22.14		
25	1	131		24.00	25.01	22.66		
25	64	32		24.06	24.10	22.63		
25	1	0		22.41	23.12	21.27		
25	1	132		23.12	24.14	21.72		
25	128	0		23.10	23.51	21.68		
25	1	1	16-QAM	22.44	23.17	21.18	19.07	0.0807
25	1	1	64-QAM	21.66	22.27	20.45		
25	1	1	256-QAM	19.10	19.62	20.02		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -4.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.78	24.13	22.31	21.21	0.1321
30	1	158		24.24	25.31	23.08		
30	80	40		24.30	24.15	23.12		
30	1	0		23.29	23.85	22.14		
30	1	159		23.83	25.07	22.94		
30	160	0		23.83	24.12	22.76		
30	1	1	QPSK	23.73	24.07	22.40		
30	1	158		24.21	25.27	23.06		
30	80	40		24.35	24.17	23.14		
30	1	0		22.75	23.26	21.54		
30	1	159		23.31	24.40	22.20		
30	160	0		23.31	23.54	22.15		
30	1	1	16-QAM	22.76	23.25	21.64	19.15	0.0822
30	1	1	64-QAM	21.78	22.32	20.70		
30	1	1	256-QAM	19.20	19.67	19.41		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -4.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.08	24.68	23.17	20.86	0.1219
40	1	214		24.87	24.68	24.29		
40	108	54		24.61	24.49	23.94		
40	1	0		23.73	24.45	22.92		
40	1	215		24.61	24.16	24.06		
40	216	0		24.23	24.52	23.57		
40	1	1	QPSK	24.12	24.70	23.19		
40	1	214		24.94	24.73	24.29		
40	108	54		24.61	24.41	23.87		
40	1	0		23.14	23.86	22.26		
40	1	215		24.04	24.96	23.37		
40	216	0		23.65	23.50	22.90		
40	1	1	16-QAM	23.21	24.01	22.31	19.91	0.0979
40	1	1	64-QAM	22.12	22.72	21.35		
40	1	1	256-QAM	19.25	20.45	19.42		
Limit	EIRP < 1W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.88	24.98	25.35	17.25	0.0531
5	1	23		24.57	24.29	24.31		
5	12	6		24.83	24.68	25.40		
5	1	0		24.26	24.57	24.98		
5	1	24		24.06	23.77	23.85		
5	25	0		24.35	24.23	24.55		
5	1	1	QPSK	24.81	24.90	25.37		
5	1	23		24.52	24.21	24.30		
5	12	6		24.84	24.68	25.03		
5	1	0		23.79	24.10	24.51		
5	1	24		23.62	23.28	23.40		
5	25	0		23.92	23.81	24.12		
5	1	1	16-QAM	23.94	24.12	24.55	16.40	0.0437
5	1	1	64-QAM	22.54	22.75	23.01		
5	1	1	256-QAM	18.67	20.22	20.00		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.40	25.05	24.42	16.90	0.0490
10	1	50		23.91	23.35	23.34		
10	25	12		24.30	24.61	24.59		
10	1	0		23.87	24.51	23.88		
10	1	51		23.29	22.79	22.82		
10	50	0		23.91	24.07	23.95		
10	1	1	QPSK	24.33	24.90	24.50		
10	1	50		23.91	23.28	23.30		
10	25	12		24.31	24.60	24.58		
10	1	0		23.52	24.14	23.47		
10	1	51		22.75	22.37	22.44		
10	50	0		23.42	23.69	23.52		
10	1	1	16-QAM	23.34	24.20	23.51	16.05	0.0403
10	1	1	64-QAM	22.15	22.70	22.11		
10	1	1	256-QAM	18.48	20.17	19.78		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.01	24.58	23.96	16.58	0.0455
15	1	77		23.59	22.68	22.98		
15	36	18		24.27	24.73	24.32		
15	1	0		23.51	24.00	23.47		
15	1	78		23.12	22.10	22.41		
15	75	0		23.70	23.97	23.56		
15	1	1	QPSK	24.05	24.58	24.00		
15	1	77		23.61	22.64	22.97		
15	36	18		24.32	24.72	24.38		
15	1	0		23.01	23.63	23.14		
15	1	78		22.62	21.72	22.06		
15	75	0		23.32	23.58	23.24		
15	1	1	16-QAM	23.15	23.76	23.22	15.61	0.0364
15	1	1	64-QAM	21.56	22.32	21.82		
15	1	1	256-QAM	19.07	19.37	19.82		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.92	25.18	25.67	17.52	0.0565
20	1	104		24.12	23.93	24.17		
20	50	25		24.82	24.97	24.61		
20	1	0		24.51	24.70	25.27		
20	1	105		23.56	23.40	23.66		
20	100	0		24.37	24.30	24.41		
20	1	1	QPSK	25.04	25.21	25.61		
20	1	104		24.20	24.01	24.20		
20	50	25		24.93	24.97	24.71		
20	1	0		24.07	24.34	24.92		
20	1	105		23.20	23.03	23.31		
20	100	0		24.00	23.93	24.05		
20	1	1	16-QAM	24.12	24.45	24.82	16.67	0.0465
20	1	1	64-QAM	22.67	23.06	23.52		
20	1	1	256-QAM	19.21	19.83	21.27		
Limit	ERP < 3W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.65	24.57	24.47	24.00	0.2512
10	1	22		24.63	24.60	24.42		
10	12	6		24.70	24.59	24.43		
10	1	0		24.12	24.03	23.98		
10	1	23		24.16	24.05	23.84		
10	24	0		24.21	24.10	23.99		
10	1	1	QPSK	24.63	24.65	24.49		
10	1	22		24.65	24.59	24.45		
10	12	6		24.65	24.52	24.48		
10	1	0		23.67	23.57	23.47		
10	1	23		23.68	23.63	23.40		
10	24	0		23.67	23.62	23.45		
10	1	1	16-QAM	23.55	23.62	23.57	22.92	0.1959
10	1	1	64-QAM	22.24	22.21	22.25		
10	1	1	256-QAM	20.23	19.94	19.89		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.63	24.59	24.49	23.98	0.2500
15	1	36		24.60	24.63	24.42		
15	18	9		24.64	24.60	24.55		
15	1	0		24.09	24.03	23.96		
15	1	37		24.07	24.03	23.91		
15	36	0		24.19	24.10	24.03		
15	1	1	QPSK	24.65	24.59	24.53		
15	1	36		24.64	24.57	24.47		
15	18	9		24.68	24.61	24.55		
15	1	0		23.75	23.61	23.53		
15	1	37		23.64	23.68	23.50		
15	36	0		23.68	23.59	23.56		
15	1	1	16-QAM	23.81	23.67	23.52	23.11	0.2046
15	1	1	64-QAM	22.23	22.08	21.95		
15	1	1	256-QAM	20.37	20.13	19.96		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.72	24.56	24.48	24.02	0.2523
20	1	49		24.59	24.61	24.40		
20	25	12		24.62	24.61	24.54		
20	1	0		24.18	24.11	24.04		
20	1	50		24.08	24.08	23.83		
20	50	0		24.18	24.18	24.08		
20	1	1	QPSK	24.71	24.58	24.58		
20	1	49		24.51	24.68	24.46		
20	25	12		24.68	24.59	24.57		
20	1	0		23.67	23.53	23.62		
20	1	50		23.40	23.59	23.45		
20	50	0		23.66	23.64	23.57		
20	1	1	16-QAM	23.75	23.75	23.43	23.05	0.2018
20	1	1	64-QAM	22.41	22.18	22.19		
20	1	1	256-QAM	20.12	20.10	20.04		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	24.72	24.77	24.85	24.15	0.2600
30	1	76		24.51	24.80	24.73		
30	36	18		24.70	24.78	24.80		
30	1	0		24.15	24.26	24.31		
30	1	77		24.02	24.34	24.20		
30	75	0		24.15	24.29	24.32		
30	1	1	QPSK	24.65	24.79	24.82		
30	1	76		24.52	24.84	24.75		
30	36	18		23.67	24.80	24.80		
30	1	0		23.70	23.80	23.80		
30	1	77		23.53	23.81	23.74		
30	75	0		23.68	23.78	23.81		
30	1	1	16-QAM	23.75	23.97	23.80	23.27	0.2123
30	1	1	64-QAM	22.21	22.23	22.19		
30	1	1	256-QAM	20.18	20.32	20.31		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.85	24.75	24.77	24.21	0.2636
40	1	104		24.62	24.75	24.68		
40	50	25		24.80	24.73	24.87		
40	1	0		24.41	24.24	24.25		
40	1	105		24.12	24.20	24.15		
40	100	0		24.28	24.27	24.28		
40	1	1	QPSK	24.91	24.80	24.80		
40	1	104		24.63	24.75	24.70		
40	50	25		24.78	24.76	24.81		
40	1	0		23.91	23.81	23.81		
40	1	105		23.68	23.78	23.73		
40	100	0		23.75	23.84	23.80		
40	1	1	16-QAM	23.97	23.97	23.80	23.27	0.2123
40	1	1	64-QAM	22.50	22.39	23.53		
40	1	1	256-QAM	20.67	20.25	20.31		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	24.89	24.88	24.89	24.24	0.2655
50	1	131		24.73	24.82	24.84		
50	64	32		24.75	24.79	24.91		
50	1	0		24.49	24.33	24.33		
50	1	132		24.31	24.32	24.28		
50	128	0		24.27	24.31	24.41		
50	1	1	QPSK	24.94	24.88	24.87		
50	1	131		24.77	24.82	24.85		
50	64	32		24.78	24.83	24.89		
50	1	0		23.97	23.89	23.97		
50	1	132		23.77	23.85	23.84		
50	128	0		23.76	23.81	23.90		
50	1	1	16-QAM	23.97	24.05	24.01	23.35	0.2163
50	1	1	64-QAM	22.34	22.33	22.30		
50	1	1	256-QAM	20.54	20.55	20.43		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.06	24.92	24.93	24.37	0.2735
60	1	160		24.78	24.78	24.75		
60	81	40		24.78	24.70	24.87		
60	1	0		24.58	24.35	24.42		
60	1	161		24.30	24.28	24.28		
60	162	0		24.26	24.30	24.35		
60	1	1	QPSK	25.07	24.90	24.99		
60	1	160		24.75	24.78	24.81		
60	81	40		24.77	24.80	24.89		
60	1	0		24.05	23.85	24.00		
60	1	161		23.80	23.78	23.80		
60	162	0		23.79	23.75	23.87		
60	1	1	16-QAM	24.04	24.00	24.12	23.42	0.2198
60	1	1	64-QAM	22.45	22.54	22.68		
60	1	1	256-QAM	20.68	20.31	20.34		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	24.97	24.89	25.00	24.31	0.2698
80	1	215		24.65	24.73	24.70		
80	108	54		24.70	24.81	24.77		
80	1	0		24.48	24.40	24.49		
80	1	216		24.15	24.19	24.15		
80	216	0		24.15	24.28	24.26		
80	1	1	QPSK	25.01	24.95	24.96		
80	1	215		24.64	24.75	24.67		
80	108	54		24.72	24.82	24.81		
80	1	0		24.05	23.97	24.01		
80	1	216		23.69	23.77	23.69		
80	216	0		23.71	23.83	23.74		
80	1	1	16-QAM	24.08	24.05	23.94	23.38	0.2178
80	1	1	64-QAM	22.59	22.30	22.22		
80	1	1	256-QAM	20.46	20.45	20.40		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	24.51	25.01	24.98	24.31	0.2698
90	1	243		24.82	24.82	24.76		
90	120	60		24.75	24.77	24.75		
90	1	0		24.54	24.50	24.45		
90	1	244		24.28	24.32	24.24		
90	240	0		24.29	24.31	24.30		
90	1	1	QPSK	25.00	24.97	24.97		
90	1	243		24.72	24.80	24.76		
90	120	60		24.73	24.80	24.78		
90	1	0		24.01	23.99	23.94		
90	1	244		23.76	23.82	23.79		
90	240	0		23.70	23.81	23.80		
90	1	1	16-QAM	24.03	24.08	24.05	23.38	0.2178
90	1	1	64-QAM	22.53	22.43	22.45		
90	1	1	256-QAM	20.49	20.44	20.47		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	25.17	25.02	25.08	24.51	0.2825
100	1	271		24.83	24.95	24.71		
100	135	67		24.78	24.75	24.72		
100	1	0		24.66	24.59	24.56		
100	1	272		24.32	24.31	24.21		
100	270	0		24.24	24.29	24.27		
100	1	1	QPSK	25.21	25.01	25.00		
100	1	271		24.83	24.82	24.75		
100	135	67		24.74	24.75	24.73		
100	1	0		24.14	24.02	24.01		
100	1	272		23.85	23.81	23.72		
100	270	0		23.79	23.78	23.74		
100	1	1	16-QAM	24.13	24.09	24.11	23.43	0.2203
100	1	1	64-QAM	22.62	22.64	22.60		
100	1	1	256-QAM	20.74	20.51	20.41		
Limit	EIRP < 2W			Result			Pass	

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NR n2 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.13	24.17	24.68	22.20	0.1660
5	1	23		24.19	24.24	24.90		
5	12	6		24.12	24.19	24.82		
5	1	0		23.78	23.70	24.31		
5	1	24		23.55	23.53	24.36		
5	25	0		23.61	23.70	24.25		
5	1	1	QPSK	24.24	24.07	24.83		
5	1	23		24.07	23.96	24.89		
5	12	6		24.29	24.22	24.87		
5	1	0		22.76	22.68	23.26		
5	1	24		22.65	22.71	23.44		
5	25	0		22.62	22.65	23.32		
5	1	1	16-QAM	23.22	23.12	23.91	21.21	0.1321
5	1	1	64-QAM	21.87	21.98	22.36		
5	1	1	256-QAM	19.80	19.77	20.24		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.29	24.16	24.85	22.23	0.1671
10	1	50		24.29	24.15	24.87		
10	25	12		24.20	24.15	24.84		
10	1	0		23.76	23.79	24.32		
10	1	51		23.76	23.70	24.43		
10	50	0		23.74	23.76	24.36		
10	1	1	QPSK	24.29	24.12	24.92		
10	1	50		24.36	24.14	24.93		
10	25	12		24.23	24.19	24.84		
10	1	0		22.89	22.74	23.24		
10	1	51		22.81	22.54	23.32		
10	50	0		22.82	22.75	23.28		
10	1	1	16-QAM	23.52	23.28	23.77	21.07	0.1279
10	1	1	64-QAM	21.85	21.65	22.14		
10	1	1	256-QAM	19.68	19.59	20.41		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.28	24.07	24.59	22.04	0.1600
15	1	77		24.16	24.14	24.68		
15	36	18		24.28	24.18	24.74		
15	1	0		23.75	23.68	24.31		
15	1	78		23.74	23.54	24.30		
15	75	0		23.74	23.64	24.13		
15	1	1	QPSK	24.21	24.26	24.63		
15	1	77		24.20	24.14	24.62		
15	36	18		24.25	24.13	24.71		
15	1	0		22.71	22.80	23.25		
15	1	78		22.68	22.68	23.25		
15	75	0		22.64	22.71	23.17		
15	1	1	16-QAM	23.32	23.44	23.82	21.12	0.1294
15	1	1	64-QAM	21.82	21.73	22.34		
15	1	1	256-QAM	19.63	19.72	20.31		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.21	24.12	24.85	22.15	0.1641
20	1	104		24.04	24.12	24.79		
20	50	25		24.19	24.17	24.75		
20	1	0		23.74	23.61	24.24		
20	1	105		23.53	23.54	24.16		
20	100	0		23.66	23.76	24.15		
20	1	1	QPSK	24.22	24.24	24.69		
20	1	104		24.00	24.07	24.65		
20	50	25		24.19	24.15	24.67		
20	1	0		22.71	22.79	23.23		
20	1	105		22.61	22.53	23.20		
20	100	0		22.71	22.59	23.20		
20	1	1	16-QAM	23.22	23.35	23.93	21.23	0.1327
20	1	1	64-QAM	21.68	21.60	22.45		
20	1	1	256-QAM	19.69	19.76	20.28		
Limit	EIRP < 2W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -7.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.78	24.87	24.54	15.38	0.0345
5	1	23		24.32	24.61	24.17		
5	12	6		24.67	24.87	24.43		
5	1	0		24.26	24.30	24.11		
5	1	24		23.81	24.14	23.58		
5	25	0		24.09	24.45	23.92		
5	1	1	QPSK	24.75	25.03	24.51		
5	1	23		24.19	24.81	24.08		
5	12	6		24.68	25.02	24.41		
5	1	0		23.89	24.18	23.74		
5	1	24		23.27	23.80	23.07		
5	25	0		23.77	24.07	23.51		
5	1	1	16-QAM	24.00	24.20	23.86	14.55	0.0285
5	1	1	64-QAM	22.50	22.62	22.51		
5	1	1	256-QAM	19.32	19.42	19.77		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -7.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.85	25.11	25.18	15.54	0.0358
10	1	50		23.97	24.68	23.73		
10	25	12		24.72	25.19	24.53		
10	1	0		24.44	24.56	24.65		
10	1	51		23.43	24.06	23.10		
10	50	0		24.15	24.71	23.94		
10	1	1	QPSK	24.79	25.09	25.06		
10	1	50		23.84	24.65	23.77		
10	25	12		24.74	25.17	24.47		
10	1	0		24.19	24.16	24.43		
10	1	51		22.98	23.81	22.74		
10	50	0		23.84	24.16	23.69		
10	1	1	16-QAM	24.23	24.10	24.33	14.68	0.0294
10	1	1	64-QAM	23.09	22.84	23.05		
10	1	1	256-QAM	21.77	20.60	21.40		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -7.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.55	24.89	24.42	15.54	0.0358
15	1	77		23.73	23.94	22.69		
15	36	18		24.26	25.15	24.72		
15	1	0		24.23	24.28	23.86		
15	1	78		23.06	23.42	22.40		
15	75	0		23.79	24.45	23.88		
15	1	1	QPSK	24.60	24.69	24.36		
15	1	77		23.70	23.89	22.90		
15	36	18		24.35	25.19	24.63		
15	1	0		23.85	23.92	23.55		
15	1	78		22.76	22.94	21.98		
15	75	0		23.48	24.10	23.63		
15	1	1	16-QAM	23.96	24.08	23.39	14.43	0.0277
15	1	1	64-QAM	22.68	22.49	22.02		
15	1	1	256-QAM	21.38	20.67	19.71		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -7.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	25.17	25.17	25.10	15.54	0.0358
20	1	104		24.33	24.35	24.07		
20	50	25		24.70	25.12	25.07		
20	1	0		25.15	25.19	24.75		
20	1	105		23.64	23.78	23.47		
20	100	0		24.30	24.95	24.40		
20	1	1	QPSK	25.14	25.18	25.13		
20	1	104		24.43	24.42	23.91		
20	50	25		24.63	25.12	25.07		
20	1	0		24.77	25.11	24.30		
20	1	105		23.36	23.52	22.89		
20	100	0		23.97	24.53	23.96		
20	1	1	16-QAM	24.77	25.10	24.25	15.45	0.0351
20	1	1	64-QAM	23.43	23.87	22.90		
20	1	1	256-QAM	20.34	20.68	19.50		
Limit	ERP < 7W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	25.15	25.14	25.13	23.49	0.2234
5	1	23		25.18	25.19	25.16		
5	12	6		25.08	25.12	25.17		
5	1	0		24.78	24.79	24.69		
5	1	24		24.59	24.83	24.79		
5	25	0		24.61	24.79	24.74		
5	1	1	QPSK	25.14	25.10	25.17		
5	1	23		25.12	25.18	25.16		
5	12	6		25.18	25.14	25.18		
5	1	0		23.23	23.33	23.18		
5	1	24		23.21	23.39	23.22		
5	25	0		23.13	23.45	23.26		
5	1	1	16-QAM	24.33	24.25	24.27	22.63	0.1832
5	1	1	64-QAM	23.03	22.69	22.78		
5	1	1	256-QAM	20.68	20.87	21.02		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.13	25.14	25.15	23.49	0.2234
10	1	50		25.04	25.14	25.06		
10	25	12		25.10	25.17	25.14		
10	1	0		24.57	24.74	24.81		
10	1	51		24.46	24.80	24.55		
10	50	0		24.48	24.74	24.69		
10	1	1	QPSK	24.99	25.13	25.18		
10	1	50		24.81	25.16	25.12		
10	25	12		25.01	25.19	25.12		
10	1	0		22.97	23.30	23.30		
10	1	51		22.89	23.23	23.13		
10	50	0		22.92	23.38	23.29		
10	1	1	16-QAM	24.30	24.25	24.23	22.60	0.1820
10	1	1	64-QAM	22.81	23.03	22.88		
10	1	1	256-QAM	20.40	20.61	20.73		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.96	25.15	25.19	23.49	0.2234
15	1	77		25.05	25.15	25.17		
15	36	18		25.06	25.17	25.12		
15	1	0		24.59	24.69	24.85		
15	1	78		24.45	24.86	24.86		
15	75	0		24.50	24.70	24.73		
15	1	1	QPSK	25.12	25.16	25.14		
15	1	77		25.10	25.19	25.19		
15	36	18		25.16	25.13	25.12		
15	1	0		23.25	23.23	23.17		
15	1	78		22.96	23.38	23.31		
15	75	0		23.00	23.24	23.28		
15	1	1	16-QAM	24.33	24.29	24.34	22.64	0.1837
15	1	1	64-QAM	22.93	22.88	22.79		
15	1	1	256-QAM	20.87	20.72	20.77		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.11	25.14	25.18	23.50	0.2239
20	1	104		25.03	25.11	25.12		
20	50	25		25.15	25.18	25.10		
20	1	0		24.64	24.83	24.88		
20	1	105		24.61	24.84	24.82		
20	100	0		24.52	24.81	24.79		
20	1	1	QPSK	25.12	25.16	25.18		
20	1	104		24.97	25.16	25.10		
20	50	25		25.03	25.14	25.20		
20	1	0		23.18	23.23	23.35		
20	1	105		22.98	23.34	23.34		
20	100	0		22.97	23.36	23.41		
20	1	1	16-QAM	24.22	24.44	24.32	22.74	0.1879
20	1	1	64-QAM	22.72	22.99	22.80		
20	1	1	256-QAM	20.71	20.76	20.96		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	25.12	25.12	25.10	23.49	0.2234
25	1	131		24.97	25.13	25.11		
25	64	32		25.02	25.19	25.15		
25	1	0		24.85	24.64	24.70		
25	1	132		24.48	24.88	24.66		
25	128	0		24.60	24.88	24.65		
25	1	1	QPSK	25.12	25.15	25.14		
25	1	131		24.94	25.11	25.17		
25	64	32		25.02	25.11	25.13		
25	1	0		23.23	23.36	23.26		
25	1	132		22.95	23.38	23.24		
25	128	0		23.05	23.25	23.32		
25	1	1	16-QAM	24.27	24.19	24.08	22.57	0.1807
25	1	1	64-QAM	22.56	22.92	22.86		
25	1	1	256-QAM	20.79	20.95	20.78		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.19	25.11	25.19	23.49	0.2234
30	1	158		24.87	24.73	25.12		
30	80	40		24.87	25.19	25.16		
30	1	0		24.51	24.76	24.74		
30	1	159		24.43	24.77	24.78		
30	160	0		24.42	24.62	24.64		
30	1	1	QPSK	25.10	25.18	25.15		
30	1	158		24.97	25.19	25.03		
30	80	40		24.96	25.13	25.13		
30	1	0		23.13	23.20	23.34		
30	1	159		23.93	23.30	23.02		
30	160	0		22.83	23.20	23.14		
30	1	1	16-QAM	23.94	24.27	24.07	22.57	0.1807
30	1	1	64-QAM	22.71	22.82	23.19		
30	1	1	256-QAM	20.66	20.67	21.02		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.12	25.20	25.10	23.50	0.2239
40	1	214		25.17	25.13	25.13		
40	108	54		25.14	25.15	25.15		
40	1	0		24.95	25.10	24.85		
40	1	215		24.80	25.07	24.96		
40	216	0		24.66	25.03	24.79		
40	1	1	QPSK	25.17	25.10	25.17		
40	1	214		25.14	25.11	25.11		
40	108	54		25.11	25.14	25.18		
40	1	0		23.45	23.55	23.47		
40	1	215		23.35	23.63	23.37		
40	216	0		23.18	23.43	23.44		
40	1	1	16-QAM	24.53	24.64	24.45	22.94	0.1968
40	1	1	64-QAM	22.81	22.96	23.01		
40	1	1	256-QAM	21.07	21.16	20.87		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.20	25.15	25.17	23.50	0.2239
50	1	268		25.14	25.12	25.11		
50	135	67		25.07	25.16	25.12		
50	1	0		24.99	25.11	25.07		
50	1	269		24.79	24.99	25.18		
50	270	0		24.64	25.15	24.81		
50	1	1	QPSK	25.13	25.17	25.12		
50	1	268		25.17	25.17	25.16		
50	135	67		25.18	25.16	25.16		
50	1	0		23.57	23.66	23.54		
50	1	269		23.46	23.67	23.37		
50	270	0		23.14	23.52	23.50		
50	1	1	16-QAM	24.63	24.74	24.42	23.04	0.2014
50	1	1	64-QAM	22.86	23.28	23.12		
50	1	1	256-QAM	21.10	21.11	22.05		
Limit	EIRP < 2W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -10.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.56	24.52	24.80	12.56	0.0180
5	1	23		23.52	24.43	24.07		
5	12	6		24.21	24.67	24.49		
5	1	0		24.07	23.78	24.33		
5	1	24		22.99	24.02	23.54		
5	25	0		23.72	23.97	24.14		
5	1	1	QPSK	24.53	24.32	24.81		
5	1	23		23.53	24.37	23.99		
5	12	6		24.25	24.64	24.53		
5	1	0		23.76	23.61	23.90		
5	1	24		22.54	23.58	23.23		
5	25	0		23.26	23.72	23.63		
5	1	1	16-QAM	23.80	23.63	24.10	11.85	0.0153
5	1	1	64-QAM	22.70	22.18	22.57		
5	1	1	256-QAM	18.93	19.27	19.13		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -10.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	25.03	24.54	24.43	12.79	0.0190
10	1	50		24.03	24.29	23.80		
10	25	12		24.51	24.64	24.60		
10	1	0		24.74	24.07	23.89		
10	1	51		23.49	23.69	23.23		
10	50	0		23.87	24.11	23.94		
10	1	1	QPSK	25.04	24.48	24.26		
10	1	50		23.99	24.25	23.62		
10	25	12		24.40	24.68	24.65		
10	1	0		24.17	23.66	23.48		
10	1	51		23.02	23.46	22.92		
10	50	0		23.70	23.72	23.75		
10	1	1	16-QAM	24.18	23.81	23.58	11.93	0.0156
10	1	1	64-QAM	22.95	22.50	22.20		
10	1	1	256-QAM	19.70	20.75	19.59		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -10.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	25.16	25.12	25.10	12.94	0.0197
15	1	77		24.05	24.25	24.26		
15	36	18		24.81	24.86	25.11		
15	1	0		24.82	24.72	24.55		
15	1	78		23.47	23.63	23.55		
15	75	0		24.21	24.40	24.36		
15	1	1	QPSK	25.19	25.15	25.11		
15	1	77		24.05	24.09	24.10		
15	36	18		24.89	24.97	25.07		
15	1	0		24.38	24.28	24.33		
15	1	78		23.12	23.19	23.17		
15	75	0		23.85	24.07	24.14		
15	1	1	16-QAM	24.48	24.41	24.33	12.23	0.0167
15	1	1	64-QAM	22.96	23.18	22.81		
15	1	1	256-QAM	19.11	19.31	19.29		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = -8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	25.20	24.81	24.60	15.05	0.0320
5	1	23		24.91	24.57	24.61		
5	12	6		24.86	24.60	24.70		
5	1	0		24.38	24.28	24.27		
5	1	24		24.48	24.01	24.35		
5	25	0		24.43	24.25	24.13		
5	1	1	QPSK	24.91	24.75	24.61		
5	1	23		24.78	24.51	24.64		
5	12	6		24.77	24.56	24.70		
5	1	0		22.87	22.63	22.47		
5	1	24		22.83	22.59	22.71		
5	25	0		22.25	22.22	22.04		
5	1	1	16-QAM	24.02	23.72	23.50	13.87	0.0244
5	1	1	64-QAM	22.36	22.23	22.41		
5	1	1	256-QAM	18.26	18.25	18.16		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = -8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	25.09	24.69	24.48	14.94	0.0312
10	1	50		25.00	24.64	24.70		
10	25	12		24.88	24.60	24.60		
10	1	0		24.46	24.30	24.03		
10	1	51		24.43	24.17	24.30		
10	50	0		24.47	24.19	24.22		
10	1	1	QPSK	25.03	24.44	24.48		
10	1	50		24.79	24.61	24.63		
10	25	12		24.84	24.37	24.60		
10	1	0		22.89	22.67	22.57		
10	1	51		22.93	22.56	22.76		
10	50	0		22.31	22.15	22.05		
10	1	1	16-QAM	24.03	23.63	23.45	13.88	0.0244
10	1	1	64-QAM	22.50	22.20	22.22		
10	1	1	256-QAM	18.62	18.17	18.19		
Limit	ERP < 3W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.57	24.22	24.18	21.87	0.1538
5	1	23		24.37	24.08	24.12		
5	12	6		24.45	24.06	24.28		
5	1	0		23.88	23.66	23.80		
5	1	24		23.88	23.35	23.74		
5	25	0		23.86	23.67	23.77		
5	1	1	QPSK	24.25	23.98	24.14		
5	1	23		24.23	23.87	24.12		
5	12	6		24.32	24.01	24.05		
5	1	0		22.35	21.92	22.09		
5	1	24		22.29	21.87	22.22		
5	25	0		21.79	21.57	21.49		
5	1	1	16-QAM	23.38	22.95	22.82	20.68	0.1169
5	1	1	64-QAM	21.79	21.66	21.87		
5	1	1	256-QAM	17.56	17.55	17.60		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.48	24.11	24.00	21.79	0.1510
10	1	50		24.49	23.95	24.30		
10	25	12		24.44	23.96	24.25		
10	1	0		23.89	23.70	23.54		
10	1	51		23.92	23.58	23.84		
10	50	0		23.77	23.52	23.77		
10	1	1	QPSK	24.27	23.92	23.90		
10	1	50		24.24	23.93	24.22		
10	25	12		24.40	23.91	24.12		
10	1	0		22.37	22.00	22.11		
10	1	51		22.34	21.89	22.13		
10	50	0		21.69	21.41	21.69		
10	1	1	16-QAM	23.46	23.15	23.02	20.76	0.1191
10	1	1	64-QAM	21.97	21.53	21.70		
10	1	1	256-QAM	17.98	17.50	17.86		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.44	24.31	24.07	21.74	0.1493
15	1	77		24.43	24.05	24.35		
15	36	18		24.29	24.05	24.12		
15	1	0		23.91	23.63	23.74		
15	1	78		23.85	23.64	23.86		
15	75	0		23.80	23.63	23.91		
15	1	1	QPSK	24.26	24.06	24.07		
15	1	77		24.21	23.92	24.20		
15	36	18		24.29	23.87	23.97		
15	1	0		22.29	22.10	21.90		
15	1	78		22.26	21.97	22.13		
15	75	0		21.73	21.62	21.66		
15	1	1	16-QAM	23.30	23.20	23.12	20.60	0.1148
15	1	1	64-QAM	21.76	21.68	21.46		
15	1	1	256-QAM	17.91	17.38	17.85		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.49	24.15	24.11	21.79	0.1510
20	1	104		24.32	24.13	24.35		
20	50	25		24.33	24.16	24.13		
20	1	0		23.98	23.95	23.61		
20	1	105		23.84	23.50	23.74		
20	100	0		23.75	3.59	23.70		
20	1	1	QPSK	24.26	23.92	24.03		
20	1	104		24.28	23.99	24.33		
20	50	25		24.31	21.91	24.08		
20	1	0		22.16	22.00	22.20		
20	1	105		22.12	21.95	22.22		
20	100	0		21.85	21.47	21.49		
20	1	1	16-QAM	23.25	22.79	22.90	20.55	0.1135
20	1	1	64-QAM	21.87	21.58	21.56		
20	1	1	256-QAM	17.94	17.70	17.71		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	24.40	24.10	24.03	21.70	0.1479
25	1	131		24.20	24.10	24.28		
25	64	32		24.32	24.01	23.99		
25	1	0		23.73	23.62	23.59		
25	1	132		23.83	23.56	23.73		
25	128	0		23.82	23.56	23.75		
25	1	1	QPSK	24.18	24.17	23.93		
25	1	131		24.14	23.86	24.01		
25	64	32		24.04	23.87	23.84		
25	1	0		22.23	22.17	21.75		
25	1	132		22.24	21.93	22.10		
25	128	0		21.58	21.41	21.50		
25	1	1	16-QAM	23.04	23.24	23.09	20.54	0.1132
25	1	1	64-QAM	21.76	21.79	21.68		
25	1	1	256-QAM	17.55	17.96	17.68		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	24.42	24.15	23.87	21.78	0.1507
30	1	158		24.25	23.94	24.18		
30	80	40		24.48	24.01	24.18		
30	1	0		24.01	23.61	23.59		
30	1	159		23.67	23.56	23.73		
30	160	0		23.94	23.50	23.71		
30	1	1	QPSK	24.23	23.88	23.66		
30	1	158		24.14	23.77	24.13		
30	80	40		24.30	23.97	23.97		
30	1	0		22.27	22.06	22.12		
30	1	159		22.06	21.96	21.95		
30	160	0		21.59	21.44	21.75		
30	1	1	16-QAM	23.40	23.13	22.92	20.70	0.1175
30	1	1	64-QAM	22.19	21.57	21.69		
30	1	1	256-QAM	17.92	17.41	17.24		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.30	24.12	24.26	21.70	0.1479
40	1	214		24.08	24.03	24.17		
40	108	54		24.40	24.03	24.15		
40	1	0		23.96	23.61	23.80		
40	1	215		23.62	23.34	23.80		
40	216	0		23.80	23.54	23.76		
40	1	1	QPSK	24.31	24.11	24.04		
40	1	214		24.03	23.91	24.08		
40	108	54		24.40	23.92	23.87		
40	1	0		22.35	21.88	22.12		
40	1	215		21.86	21.73	22.10		
40	216	0		21.60	21.52	21.55		
40	1	1	16-QAM	23.45	22.89	22.76	20.75	0.1189
40	1	1	64-QAM	21.81	21.97	21.76		
40	1	1	256-QAM	18.06	17.70	17.46		
Limit	EIRP < 2W			Result			Pass	

NR n30 Maximum Average Power [dBm] (GT - LC = -1.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.51	23.48	23.46	22.81	0.1910
5	1	23		23.41	23.31	23.35		
5	12	6		23.39	23.43	23.41		
5	1	0		23.91	22.97	23.01		
5	1	24		22.91	22.92	22.84		
5	25	0		22.93	22.96	22.97		
5	1	1	QPSK	23..37	23.40	23.52		
5	1	23		23.44	23.36	23.35		
5	12	6		23.41	23.44	23.51		
5	1	0		22.50	22.44	22.54		
5	1	24		22.41	22.34	22.37		
5	25	0		22.34	22.50	22.49		
5	1	1	16-QAM	22.54	22.74	22.51	21.64	0.1459
5	1	1	64-QAM	20.91	21.41	21.20		
5	1	1	256-QAM	19.06	18.97	19.03		
Limit	EIRP < 250 mW/5MHz			Result			Pass	

NR n30 Maximum Average Power [dBm] (GT - LC = -1.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	-	23.52	-	22.45	0.1758
10	1	50		-	23.31	-		
10	25	12		-	23.41	-		
10	1	0		-	22.91	-		
10	1	51		-	22.82	-		
10	50	0		-	22.90	-		
10	1	1	QPSK	-	23.55	-		
10	1	50		-	23.31	-		
10	25	12		-	23.41	-		
10	1	0		-	22.57	-		
10	1	51		-	22.33	-		
10	50	0		-	22.46	-		
10	1	1	16-QAM	-	22.45	-	21.35	0.1365
10	1	1	64-QAM	-	21.06	-		
10	1	1	256-QAM	-	19.23	-		
Limit	EIRP < 250 mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.

NR n38 Maximum Average Power [dBm] (GT - LC = -2.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.50	24.42	24.55	22.53	0.1791
10	1	22		24.70	24.73	24.71		
10	12	6		24.83	24.73	24.90		
10	1	0		23.82	24.07	24.02		
10	1	23		24.33	24.15	24.23		
10	24	0		24.19	24.36	24.40		
10	1	1	QPSK	24.32	24.50	24.58		
10	1	22		24.74	24.73	24.59		
10	12	6		24.79	24.93	24.81		
10	1	0		23.35	23.54	23.49		
10	1	23		23.62	23.78	23.75		
10	24	0		23.70	23.94	23.81		
10	1	1	16-QAM	23.23	23.65	23.47	21.25	0.1334
10	1	1	64-QAM	22.18	22.23	22.15		
10	1	1	256-QAM	20.85	20.28	20.02		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -2.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.47	23.80	23.99	22.55	0.1799
15	1	36		24.76	24.03	24.15		
15	18	9		24.95	24.66	24.68		
15	1	0		23.99	23.33	23.39		
15	1	37		24.91	23.56	23.67		
15	36	0		24.68	23.96	24.07		
15	1	1	QPSK	24.60	23.94	23.95		
15	1	36		24.91	24.04	24.11		
15	18	9		24.91	24.75	24.63		
15	1	0		23.47	22.77	22.80		
15	1	37		23.88	23.07	23.16		
15	36	0		24.25	23.45	23.40		
15	1	1	16-QAM	23.41	22.82	22.97	21.01	0.1262
15	1	1	64-QAM	22.37	21.78	21.99		
15	1	1	256-QAM	20.63	19.76	19.68		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -2.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.96	24.71	24.79	22.59	0.1816
20	1	49		24.91	24.99	24.87		
20	25	12		24.98	24.74	24.80		
20	1	0		24.96	24.21	24.17		
20	1	50		24.95	24.53	24.33		
20	50	0		24.94	24.39	24.16		
20	1	1	QPSK	24.91	24.67	24.85		
20	1	49		24.97	24.97	24.94		
20	25	12		24.97	24.87	24.75		
20	1	0		24.65	23.74	23.63		
20	1	50		24.92	24.05	23.85		
20	50	0		24.86	23.87	23.70		
20	1	1	16-QAM	24.55	23.78	23.48	22.15	0.1641
20	1	1	64-QAM	23.32	22.32	22.41		
20	1	1	256-QAM	20.90	20.34	20.56		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.56	26.59	26.21	25.05	0.3199
10	1	22		26.40	26.60	26.40		
10	12	6		26.44	26.49	26.48		
10	1	0		25.99	25.96	25.97		
10	1	23		25.93	25.96	25.94		
10	24	0		24.95	24.98	24.92		
10	1	1	QPSK	26.59	26.75	26.46		
10	1	22		26.47	26.57	26.28		
10	12	6		26.50	26.66	26.33		
10	1	0		25.46	25.61	25.37		
10	1	23		25.44	25.52	25.34		
10	24	0		24.36	24.57	24.34		
10	1	1	16-QAM	25.42	25.57	25.42	23.87	0.2438
10	1	1	64-QAM	23.92	24.20	24.04		
10	1	1	256-QAM	21.79	22.07	21.90		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.48	26.69	26.44	24.99	0.3155
15	1	36		26.50	26.66	26.51		
15	18	9		26.53	26.64	26.57		
15	1	0		25.92	26.00	25.87		
15	1	37		25.99	26.13	26.00		
15	36	0		25.05	25.11	25.00		
15	1	1	QPSK	26.45	26.62	26.56		
15	1	36		26.34	26.65	26.53		
15	18	9		26.47	26.61	26.46		
15	1	0		25.49	25.68	25.43		
15	1	37		25.42	25.57	25.52		
15	36	0		24.43	24.58	24.57		
15	1	1	16-QAM	25.52	25.74	25.52	24.04	0.2535
15	1	1	64-QAM	23.98	24.11	24.21		
15	1	1	256-QAM	21.90	22.24	21.98		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.47	26.65	26.52	24.99	0.3155
20	1	49		26.25	26.48	26.59		
20	25	12		26.34	26.61	26.58		
20	1	0		26.05	26.13	26.04		
20	1	50		25.81	26.13	25.93		
20	50	0		24.82	25.13	24.94		
20	1	1	QPSK	26.51	26.69	26.65		
20	1	49		26.34	26.61	26.43		
20	25	12		26.35	26.62	26.53		
20	1	0		25.34	25.67	25.41		
20	1	50		25.39	25.54	25.51		
20	50	0		24.39	24.66	24.41		
20	1	1	16-QAM	25.56	25.63	25.73	24.03	0.2529
20	1	1	64-QAM	23.83	24.03	24.03		
20	1	1	256-QAM	21.71	22.03	21.88		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.58	26.65	26.51	25.02	0.3177
30	1	76		26.41	26.71	26.50		
30	36	18		26.45	26.56	26.72		
30	1	0		26.08	26.04	26.11		
30	1	77		25.90	26.14	26.09		
30	75	0		25.02	25.18	25.08		
30	1	1	QPSK	26.44	26.64	26.60		
30	1	76		26.40	26.69	26.59		
30	36	18		26.41	26.67	26.51		
30	1	0		25.38	25.65	25.59		
30	1	77		25.49	25.68	25.52		
30	75	0		24.48	24.70	24.71		
30	1	1	16-QAM	25.41	25.67	25.43	23.97	0.2495
30	1	1	64-QAM	24.05	24.16	24.08		
30	1	1	256-QAM	21.97	22.05	22.23		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.37	26.72	26.66	25.02	0.3177
40	1	104		26.42	26.46	26.34		
40	50	25		26.35	26.63	26.55		
40	1	0		25.87	26.11	25.97		
40	1	105		25.83	25.97	25.99		
40	100	0		24.88	25.07	25.06		
40	1	1	QPSK	26.46	26.62	26.51		
40	1	104		26.38	26.60	26.49		
40	50	25		26.48	26.51	25.54		
40	1	0		25.49	25.69	25.55		
40	1	105		25.28	25.71	25.43		
40	100	0		24.40	24.62	24.52		
40	1	1	16-QAM	25.52	25.48	25.65	23.95	0.2483
40	1	1	64-QAM	23.91	24.29	24.00		
40	1	1	256-QAM	22.06	22.26	21.95		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.51	26.57	26.64	25.03	0.3184
50	1	131		26.36	26.50	26.46		
50	64	32		26.40	26.70	26.62		
50	1	0		26.04	26.15	26.26		
50	1	132		25.89	26.04	25.97		
50	128	0		24.94	25.11	25.09		
50	1	1	QPSK	26.58	26.58	26.73		
50	1	131		26.47	26.67	26.43		
50	64	32		26.45	26.61	26.61		
50	1	0		25.49	25.59	25.70		
50	1	132		25.45	25.59	25.59		
50	128	0		24.39	24.55	25.84		
50	1	1	16-QAM	25.77	25.56	25.80	24.10	0.2570
50	1	1	64-QAM	24.13	24.20	24.13		
50	1	1	256-QAM	21.90	21.90	21.95		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.47	26.64	26.55	25.01	0.317
60	1	160		26.42	26.61	26.52		
60	81	40		26.35	26.60	26.67		
60	1	0		26.13	26.11	26.03		
60	1	161		25.92	26.15	26.00		
60	162	0		24.93	24.99	25.12		
60	1	1	QPSK	26.57	26.66	26.65		
60	1	160		26.24	26.64	26.54		
60	81	40		26.43	26.71	26.62		
60	1	0		25.44	25.72	25.57		
60	1	161		25.44	25.58	25.71		
60	162	0		24.33	24.55	24.51		
60	1	1	16-QAM	25.60	25.70	25.48	24.00	0.2512
60	1	1	64-QAM	23.89	24.26	24.09		
60	1	1	256-QAM	22.09	22.23	22.09		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	26.39	26.59	26.40	24.91	0.3097
70	1	187		26.29	26.44	26.51		
70	90	45		26.33	26.48	26.57		
70	1	0		26.03	25.85	25.91		
70	1	188		25.74	25.91	25.86		
70	180	0		24.65	24.93	24.84		
70	1	1	QPSK	26.28	26.51	26.46		
70	1	187		25.97	26.36	26.31		
70	90	45		26.41	26.61	26.32		
70	1	0		25.42	25.62	25.49		
70	1	188		25.32	25.32	25.71		
70	180	0		24.12	24.37	24.49		
70	1	1	16-QAM	25.31	25.45	25.47	23.77	0.2382
70	1	1	64-QAM	23.79	24.26	23.84		
70	1	1	256-QAM	21.84	22.04	22.04		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.51	26.70	26.76	25.06	0.3206
80	1	215		26.43	26.71	26.40		
80	108	54		26.38	26.57	26.64		
80	1	0		22.11	26.23	26.21		
80	1	216		26.00	26.14	26.06		
80	216	0		24.84	25.01	25.11		
80	1	1	QPSK	26.67	26.64	26.62		
80	1	215		26.54	26.62	26.50		
80	108	54		26.44	26.70	26.71		
80	1	0		25.74	25.63	25.68		
80	1	216		25.53	25.27	25.50		
80	216	0		24.47	24.63	24.58		
80	1	1	16-QAM	25.70	25.67	25.66	24.00	0.2512
80	1	1	64-QAM	24.07	23.96	24.28		
80	1	1	256-QAM	22.18	22.13	22.12		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	26.71	26.58	26.70	25.10	0.3236
90	1	243		26.67	26.70	26.55		
90	120	60		26.52	26.52	26.65		
90	1	0		26.23	26.23	26.33		
90	1	244		26.07	26.23	25.97		
90	240	0		24.90	25.05	25.12		
90	1	1	QPSK	26.51	26.59	26.80		
90	1	243		26.56	26.62	26.54		
90	120	60		26.48	26.58	26.58		
90	1	0		25.65	25.82	25.75		
90	1	244		25.64	25.59	25.58		
90	240	0		24.43	24.61	24.70		
90	1	1	16-QAM	24.54	25.73	25.99	24.29	0.2685
90	1	1	64-QAM	24.36	24.18	24.26		
90	1	1	256-QAM	22.06	22.01	22.21		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	26.79	26.73	26.87	25.19	0.3304
100	1	271		26.52	26.72	26.45		
100	135	67		26.43	26.49	26.66		
100	1	0		26.13	26.07	26.25		
100	1	272		26.07	26.07	25.94		
100	270	0		24.93	25.11	25.15		
100	1	1	QPSK	26.79	26.62	26.89		
100	1	271		26.48	26.64	26.47		
100	135	67		26.32	26.65	26.52		
100	1	0		25.60	25.66	25.87		
100	1	272		25.64	25.64	25.47		
100	270	0		24.37	24.55	24.67		
100	1	1	16-QAM	25.70	25.64	25.71	24.01	0.2518
100	1	1	64-QAM	24.24	24.24	24.32		
100	1	1	256-QAM	22.20	22.13	22.33		
Limit	EIRP < 2W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -3.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.86	24.64	24.71	21.71	0.1483
5	1	23		24.48	24.89	24.62		
5	12	6		24.41	25.01	24.90		
5	1	0		23.70	24.37	24.50		
5	1	24		24.39	24.67	24.42		
5	25	0		24.22	24.68	24.69		
5	1	1	QPSK	23.91	24.49	24.81		
5	1	23		24.39	24.85	24.65		
5	12	6		24.39	24.74	24.90		
5	1	0		23.12	23.77	23.95		
5	1	24		23.75	24.11	23.79		
5	25	0		23.51	24.05	24.10		
5	1	1	16-QAM	23.40	23.88	23.85	20.58	0.1143
5	1	1	64-QAM	22.30	22.50	22.97		
5	1	1	256-QAM	19.16	20.04	21.18		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -3.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.12	24.59	24.89	21.82	0.1521
10	1	50		24.93	25.11	24.64		
10	25	12		24.80	25.11	25.11		
10	1	0		23.84	24.33	24.67		
10	1	51		24.76	24.79	24.50		
10	50	0		24.46	24.75	24.76		
10	1	1	QPSK	23.99	24.64	24.90		
10	1	50		24.98	25.00	24.59		
10	25	12		24.82	25.05	25.12		
10	1	0		23.25	23.77	23.96		
10	1	51		24.17	24.23	23.75		
10	50	0		23.86	24.24	23.09		
10	1	1	16-QAM	23.14	23.83	24.32	21.02	0.1265
10	1	1	64-QAM	21.98	22.73	23.11		
10	1	1	256-QAM	19.48	19.95	21.42		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -3.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.00	23.49	23.96	21.38	0.1374
15	1	77		23.98	24.47	24.07		
15	36	18		24.22	24.52	24.68		
15	1	0		22.45	23.10	23.60		
15	1	78		24.02	24.02	23.67		
15	75	0		23.68	24.11	24.24		
15	1	1	QPSK	23.00	23.65	23.84		
15	1	77		24.06	24.48	23.91		
15	36	18		24.16	24.56	24.63		
15	1	0		21.92	22.63	23.17		
15	1	78		23.06	23.52	23.00		
15	75	0		23.09	23.42	23.70		
15	1	1	16-QAM	22.30	22.77	23.22	19.92	0.0982
15	1	1	64-QAM	21.06	21.71	22.03		
15	1	1	256-QAM	18.55	19.27	20.62		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -3.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.49	24.19	24.42	21.87	0.1538
20	1	104		24.38	25.15	24.83		
20	50	25		24.38	24.56	24.99		
20	1	0		23.08	23.66	24.22		
20	1	105		23.92	24.80	24.46		
20	100	0		23.89	24.05	24.55		
20	1	1	QPSK	23.53	24.13	24.57		
20	1	104		24.47	25.17	24.61		
20	50	25		24.38	24.45	24.90		
20	1	0		22.49	23.19	23.68		
20	1	105		23.40	24.25	23.84		
20	100	0		23.27	23.68	24.13		
20	1	1	16-QAM	22.53	23.29	23.70	20.40	0.1096
20	1	1	64-QAM	21.58	22.32	22.91		
20	1	1	256-QAM	18.95	19.48	20.80		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -3.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.25	24.51	23.04	21.89	0.1545
25	1	131		23.88	25.14	23.55		
25	64	32		23.87	24.63	23.62		
25	1	0		22.84	24.13	22.84		
25	1	132		23.52	25.12	23.20		
25	128	0		23.53	24.34	23.33		
25	1	1	QPSK	23.32	24.39	23.02		
25	1	131		23.83	25.19	23.56		
25	64	32		23.96	24.55	23.60		
25	1	0		22.29	23.59	22.09		
25	1	132		23.01	24.63	22.54		
25	128	0		22.99	23.86	22.53		
25	1	1	16-QAM	22.39	23.49	22.11	20.19	0.1045
25	1	1	64-QAM	21.60	22.67	21.27		
25	1	1	256-QAM	18.93	19.96	20.97		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -3.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.59	24.60	23.23	21.89	0.1545
30	1	158		24.05	25.14	23.92		
30	80	40		24.29	24.46	24.05		
30	1	0		23.25	24.20	23.08		
30	1	159		23.70	25.19	23.79		
30	160	0		23.72	24.52	23.69		
30	1	1	QPSK	23.72	24.52	23.39		
30	1	158		24.11	25.14	23.89		
30	80	40		24.35	24.47	24.03		
30	1	0		22.69	23.66	22.46		
30	1	159		23.14	24.70	23.13		
30	160	0		23.19	24.02	23.00		
30	1	1	16-QAM	22.75	23.64	22.46	20.34	0.1081
30	1	1	64-QAM	21.68	22.65	21.67		
30	1	1	256-QAM	19.10	19.99	20.26		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -3.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.94	24.98	24.15	21.90	0.1549
40	1	214		24.78	25.11	25.12		
40	108	54		24.61	24.93	24.77		
40	1	0		23.55	24.77	23.88		
40	1	215		24.58	25.16	24.97		
40	216	0		24.10	24.86	24.53		
40	1	1	QPSK	23.96	25.20	24.13		
40	1	214		24.81	25.16	25.19		
40	108	54		24.54	24.85	24.86		
40	1	0		22.97	24.31	23.16		
40	1	215		23.92	25.16	24.34		
40	216	0		23.57	23.84	23.74		
40	1	1	16-QAM	23.07	24.51	23.21	21.21	0.1321
40	1	1	64-QAM	22.12	23.18	22.21		
40	1	1	256-QAM	19.19	20.91	20.32		
Limit	EIRP < 1W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.43	24.31	24.41	12.47	0.0177
5	1	23		24.13	23.69	23.39		
5	12	6		24.41	24.07	24.52		
5	1	0		23.81	24.02	24.14		
5	1	24		23.72	23.13	22.97		
5	25	0		23.97	23.56	23.64		
5	1	1	QPSK	24.37	24.25	24.41		
5	1	23		24.03	23.62	23.41		
5	12	6		24.42	24.10	24.16		
5	1	0		23.34	23.51	23.62		
5	1	24		23.28	22.72	22.56		
5	25	0		23.52	23.20	23.14		
5	1	1	16-QAM	23.52	23.46	23.55	11.50	0.0141
5	1	1	64-QAM	22.19	22.12	22.12		
5	1	1	256-QAM	18.35	19.68	19.14		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.02	24.45	23.50	12.40	0.0174
10	1	50		23.58	22.75	22.48		
10	25	12		23.87	23.97	23.63		
10	1	0		23.41	23.87	23.06		
10	1	51		22.93	22.21	21.83		
10	50	0		23.53	23.49	23.12		
10	1	1	QPSK	23.94	24.27	23.63		
10	1	50		23.41	22.66	22.50		
10	25	12		23.97	23.98	23.77		
10	1	0		23.12	23.50	22.48		
10	1	51		22.43	21.81	21.60		
10	50	0		22.98	23.05	22.63		
10	1	1	16-QAM	22.92	23.61	22.70	11.56	0.0143
10	1	1	64-QAM	21.77	22.20	21.23		
10	1	1	256-QAM	18.10	19.66	18.85		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.51	23.92	23.03	12.14	0.0164
15	1	77		23.16	22.03	22.03		
15	36	18		23.96	24.19	23.43		
15	1	0		23.12	23.37	22.64		
15	1	78		22.72	21.57	21.49		
15	75	0		23.20	23.42	22.68		
15	1	1	QPSK	23.73	24.00	23.15		
15	1	77		23.30	22.03	22.00		
15	36	18		23.92	24.13	23.57		
15	1	0		22.70	23.05	22.21		
15	1	78		22.13	21.02	21.26		
15	75	0		22.88	23.02	22.35		
15	1	1	16-QAM	22.79	23.18	22.26	11.13	0.013
15	1	1	64-QAM	21.21	21.66	20.94		
15	1	1	256-QAM	18.60	18.79	18.91		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.49	24.62	24.68	12.69	0.0186
20	1	104		23.63	23.33	23.21		
20	50	25		24.33	24.38	23.71		
20	1	0		24.03	24.06	24.32		
20	1	105		23.11	22.87	22.82		
20	100	0		23.95	23.60	23.49		
20	1	1	QPSK	24.74	24.70	24.66		
20	1	104		23.89	23.39	23.26		
20	50	25		24.61	24.34	23.85		
20	1	0		23.75	23.84	24.06		
20	1	105		22.74	22.53	22.50		
20	100	0		23.64	23.26	23.09		
20	1	1	16-QAM	23.79	23.77	24.02	11.97	0.0157
20	1	1	64-QAM	22.25	22.41	22.63		
20	1	1	256-QAM	18.81	19.30	20.28		
Limit	ERP < 3W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.55	24.52	24.44	22.91	0.1954
10	1	22		24.47	24.59	24.33		
10	12	6		24.60	24.52	24.26		
10	1	0		24.10	24.01	23.95		
10	1	23		24.08	24.04	23.68		
10	24	0		24.17	23.95	23.94		
10	1	1	QPSK	24.47	24.51	24.46		
10	1	22		24.61	24.43	24.26		
10	12	6		24.55	24.39	24.47		
10	1	0		23.61	23.47	23.33		
10	1	23		23.49	23.47	23.28		
10	24	0		23.53	23.61	23.30		
10	1	1	16-QAM	23.47	23.46	23.56	21.86	0.1535
10	1	1	64-QAM	22.09	22.03	22.18		
10	1	1	256-QAM	20.05	19.89	19.74		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.46	24.45	24.35	22.89	0.1945
15	1	36		24.48	24.53	24.40		
15	18	9		24.45	24.43	24.42		
15	1	0		23.96	23.86	23.81		
15	1	37		23.87	23.83	23.78		
15	36	0		24.18	23.96	24.00		
15	1	1	QPSK	24.57	24.40	24.49		
15	1	36		24.59	24.43	24.46		
15	18	9		24.53	24.56	24.53		
15	1	0		23.75	23.52	23.49		
15	1	37		23.56	23.58	23.44		
15	36	0		23.52	23.47	23.44		
15	1	1	16-QAM	23.81	23.59	23.45	22.11	0.1626
15	1	1	64-QAM	22.17	22.05	21.82		
15	1	1	256-QAM	20.33	20.06	19.89		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.61	24.49	24.43	22.97	0.1982
20	1	49		24.50	24.60	24.30		
20	25	12		24.55	24.51	24.49		
20	1	0		23.98	24.10	23.99		
20	1	50		23.94	24.00	23.79		
20	50	0		24.17	24.02	24.07		
20	1	1	QPSK	24.67	24.56	24.50		
20	1	49		24.35	24.54	24.30		
20	25	12		24.59	24.50	24.41		
20	1	0		23.66	23.41	23.45		
20	1	50		23.32	23.50	23.31		
20	50	0		23.62	23.55	23.40		
20	1	1	16-QAM	23.70	23.56	23.23	22.00	0.1585
20	1	1	64-QAM	22.24	22.13	22.07		
20	1	1	256-QAM	20.00	20.08	19.91		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	24.53	24.58	24.69	23.11	0.2046
30	1	76		24.41	24.76	24.56		
30	36	18		24.62	24.78	24.63		
30	1	0		23.96	24.22	24.23		
30	1	77		23.94	24.15	24.00		
30	75	0		23.98	24.22	24.23		
30	1	1	QPSK	24.62	24.73	24.65		
30	1	76		24.47	24.81	24.72		
30	36	18		23.52	24.78	24.61		
30	1	0		23.61	23.63	23.74		
30	1	77		23.33	23.72	23.66		
30	75	0		23.56	23.58	23.68		
30	1	1	16-QAM	23.73	23.86	23.63	22.16	0.1644
30	1	1	64-QAM	22.06	22.09	22.05		
30	1	1	256-QAM	20.05	20.21	20.29		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.84	24.63	24.70	23.20	0.2089
40	1	104		24.54	24.67	24.53		
40	50	25		24.76	24.59	24.85		
40	1	0		24.38	24.11	24.10		
40	1	105		23.93	24.17	24.06		
40	100	0		24.15	24.23	24.21		
40	1	1	QPSK	24.90	24.71	24.73		
40	1	104		24.61	24.72	24.53		
40	50	25		24.75	24.66	24.73		
40	1	0		23.82	23.73	23.77		
40	1	105		23.59	23.72	23.68		
40	100	0		23.74	23.82	23.61		
40	1	1	16-QAM	23.81	23.80	23.70	22.11	0.1626
40	1	1	64-QAM	22.30	22.20	23.44		
40	1	1	256-QAM	20.66	20.19	20.29		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	24.70	24.74	24.74	23.19	0.2084
50	1	131		24.61	24.73	24.72		
50	64	32		24.60	24.60	24.89		
50	1	0		24.48	24.19	24.25		
50	1	132		24.20	24.30	24.12		
50	128	0		24.19	24.29	24.27		
50	1	1	QPSK	24.77	24.74	24.85		
50	1	131		24.69	24.74	24.69		
50	64	32		24.65	24.74	24.70		
50	1	0		23.79	23.77	23.87		
50	1	132		23.67	23.69	23.77		
50	128	0		23.64	23.66	23.72		
50	1	1	16-QAM	23.96	24.01	23.82	22.31	0.1702
50	1	1	64-QAM	22.31	22.25	22.18		
50	1	1	256-QAM	20.35	20.43	20.31		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	24.91	24.75	24.88	23.21	0.2094
60	1	160		24.64	24.70	24.73		
60	81	40		24.72	24.61	24.74		
60	1	0		24.39	24.29	24.42		
60	1	161		24.12	24.13	24.24		
60	162	0		24.20	24.13	24.35		
60	1	1	QPSK	24.91	24.89	24.88		
60	1	160		24.64	24.60	24.74		
60	81	40		24.70	24.62	24.79		
60	1	0		23.92	23.78	23.97		
60	1	161		23.60	23.65	23.63		
60	162	0		23.61	23.71	23.75		
60	1	1	16-QAM	23.85	23.92	24.04	22.34	0.1714
60	1	1	64-QAM	22.33	22.46	22.54		
60	1	1	256-QAM	20.60	20.21	20.16		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	24.84	24.69	24.92	23.25	0.2113
80	1	215		24.49	24.60	24.70		
80	108	54		24.65	24.76	24.75		
80	1	0		24.47	24.35	24.38		
80	1	216		24.01	24.11	24.03		
80	216	0		23.99	24.11	24.12		
80	1	1	QPSK	24.95	24.78	24.89		
80	1	215		24.50	24.72	24.50		
80	108	54		24.61	24.76	24.68		
80	1	0		24.01	23.83	23.95		
80	1	216		23.67	23.62	23.64		
80	216	0		23.65	23.76	23.61		
80	1	1	16-QAM	24.06	23.87	23.80	22.36	0.1722
80	1	1	64-QAM	22.56	22.28	22.07		
80	1	1	256-QAM	20.38	20.35	20.39		
Limit	EIRP < 2W			Result			Pass	

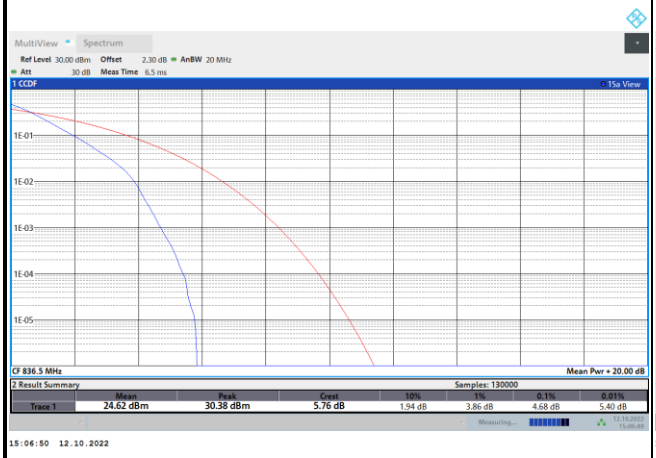
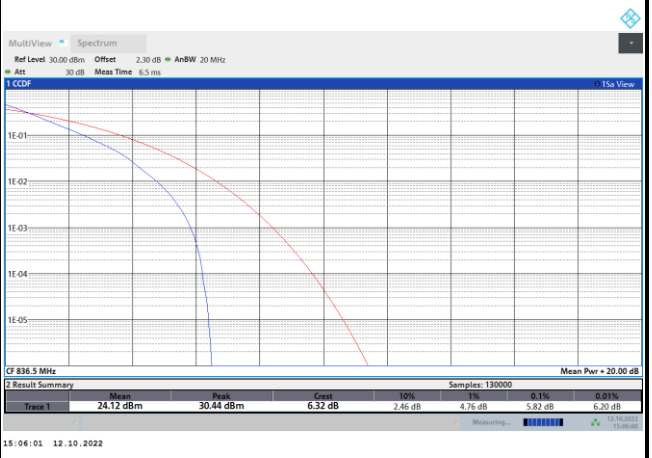
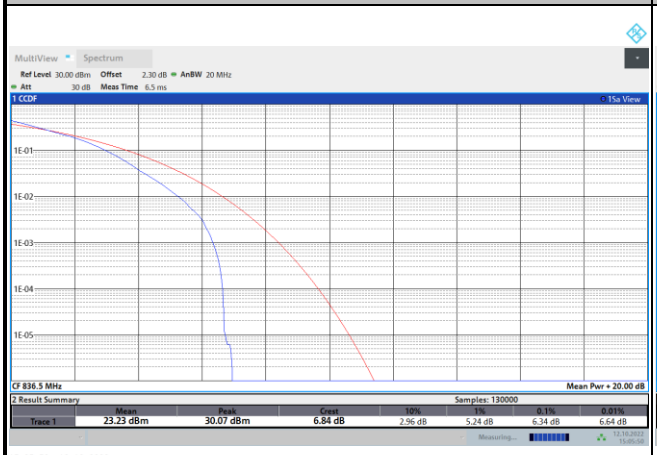
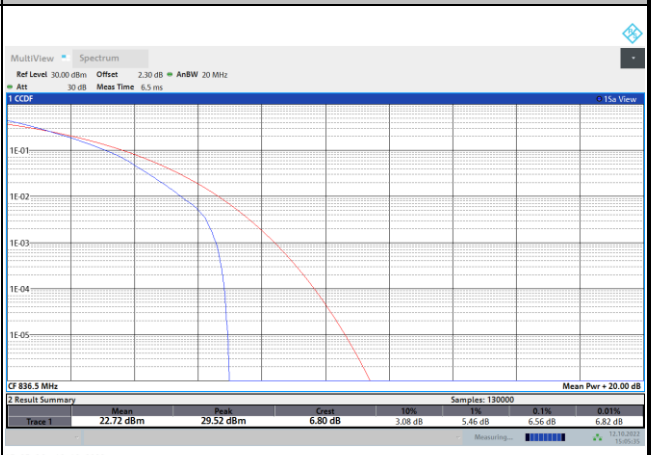
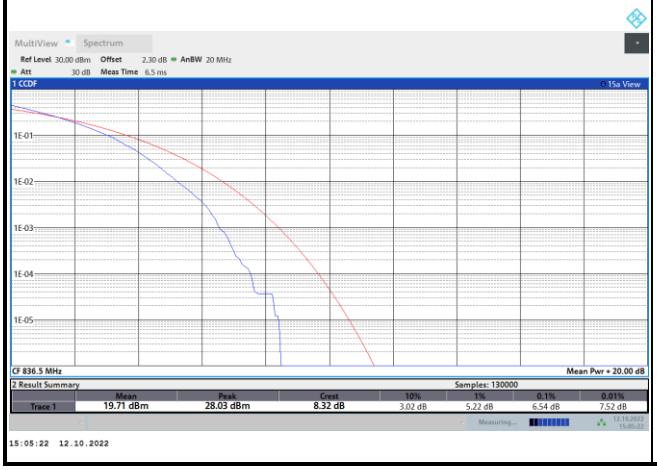
NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	24.45	24.90	24.81	23.22	0.2099
90	1	243		24.70	24.70	24.70		
90	120	60		24.60	24.67	24.62		
90	1	0		24.39	24.46	24.41		
90	1	244		24.14	24.21	24.13		
90	240	0		24.22	24.18	24.25		
90	1	1	QPSK	24.82	24.89	24.92		
90	1	243		24.57	24.79	24.57		
90	120	60		24.55	24.64	24.62		
90	1	0		23.95	23.85	23.89		
90	1	244		23.57	23.75	23.70		
90	240	0		23.63	23.62	23.70		
90	1	1	16-QAM	23.89	23.97	24.03	22.33	0.1710
90	1	1	64-QAM	22.39	22.27	22.32		
90	1	1	256-QAM	20.36	20.35	20.41		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	24.92	24.88	24.90	23.26	0.2118
100	1	271		24.79	24.79	24.64		
100	135	67		24.69	24.64	24.56		
100	1	0		24.56	24.56	24.44		
100	1	272		24.13	24.30	24.12		
100	270	0		24.20	24.23	24.24		
100	1	1	QPSK	24.96	24.83	24.82		
100	1	271		24.76	24.80	24.73		
100	135	67		24.68	24.69	24.54		
100	1	0		23.95	23.87	23.84		
100	1	272		23.83	23.81	23.70		
100	270	0		23.60	23.63	23.56		
100	1	1	16-QAM	24.06	23.95	24.04	22.36	0.1722
100	1	1	64-QAM	22.57	22.62	22.43		
100	1	1	256-QAM	20.72	20.41	20.25		
Limit	EIRP < 2W			Result			Pass	

FR1 n5

Peak-to-Average Ratio

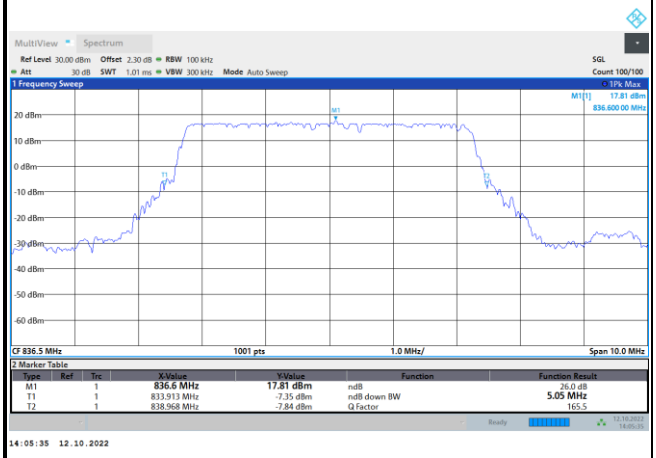
Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.68	5.82	6.34	6.56	PASS
Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.54				PASS

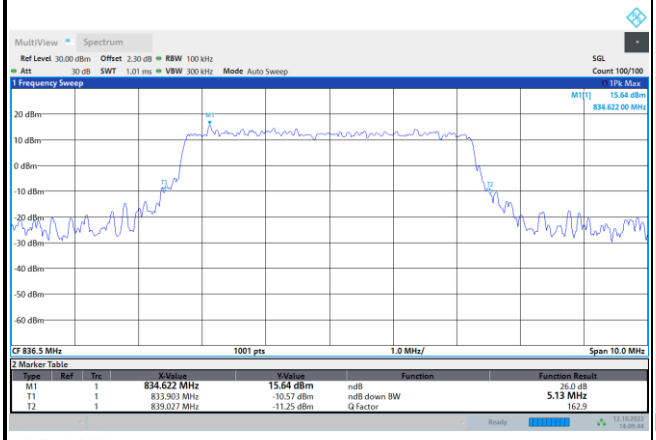
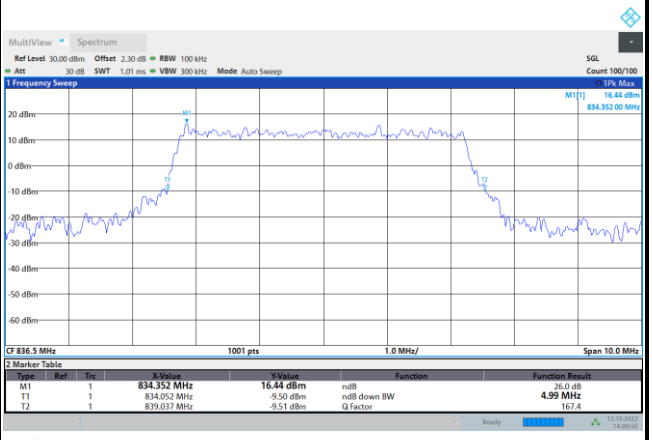
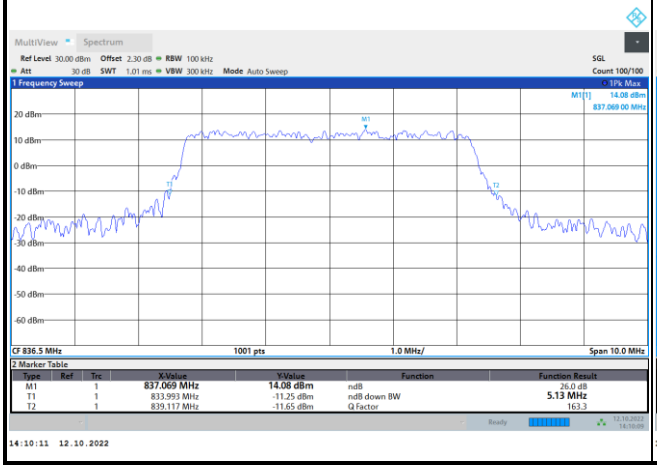
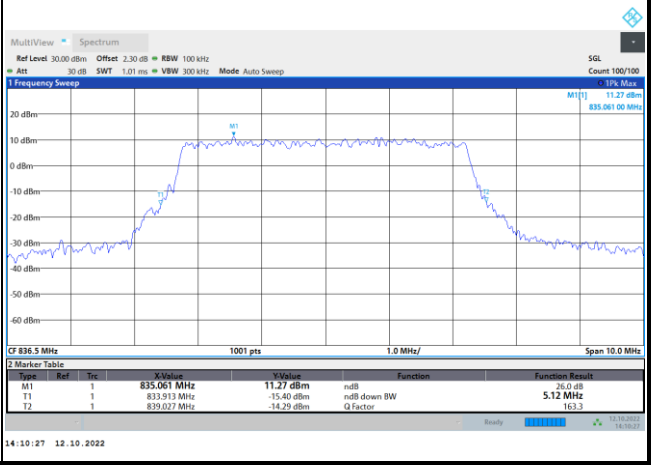
FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

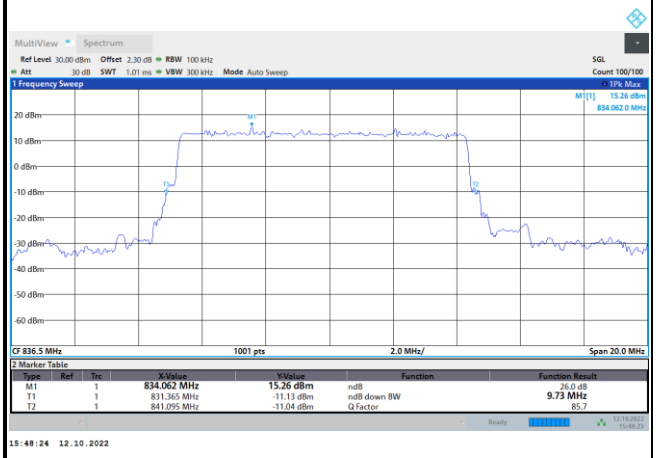
26dB Bandwidth

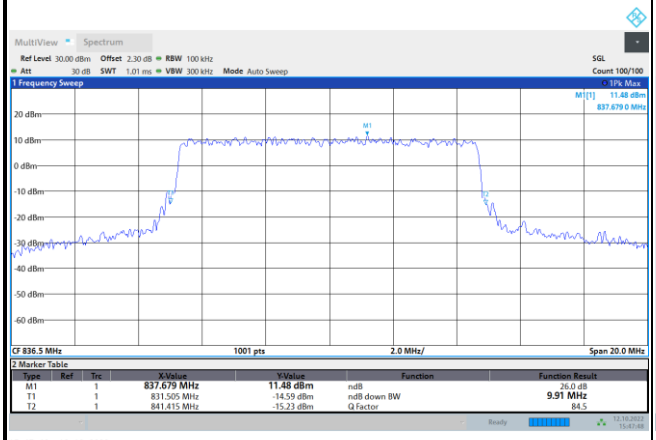
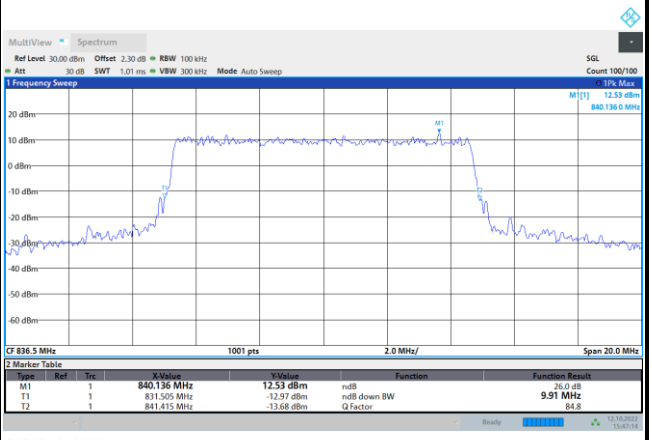
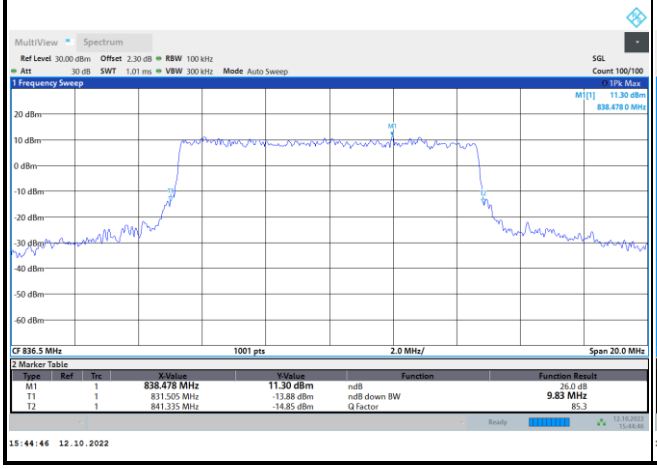
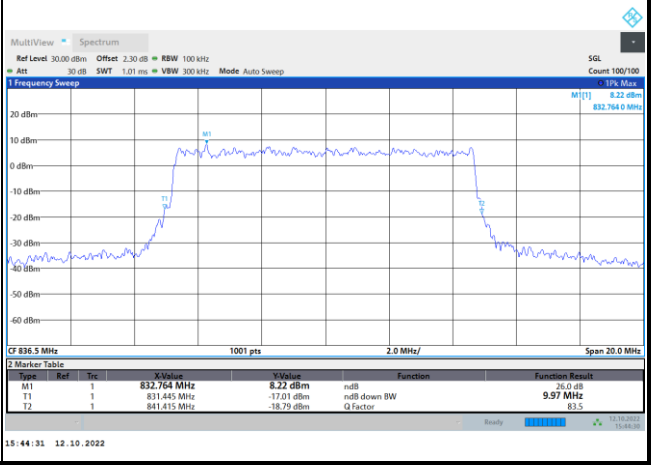
Mode	FR1 n5 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.06		9.73		14.27		18.98	

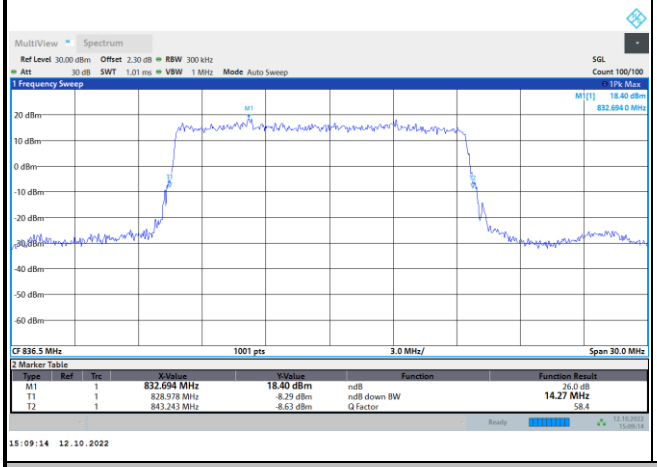
Mode	FR1 n5 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.13	4.99	9.91	9.91	14.99	15.20	20.06	20.38
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.13	5.12	9.83	9.97	15.08	15.20	19.98	20.34

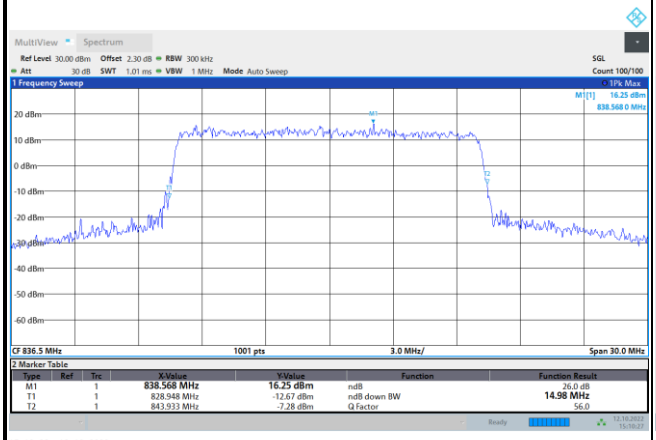
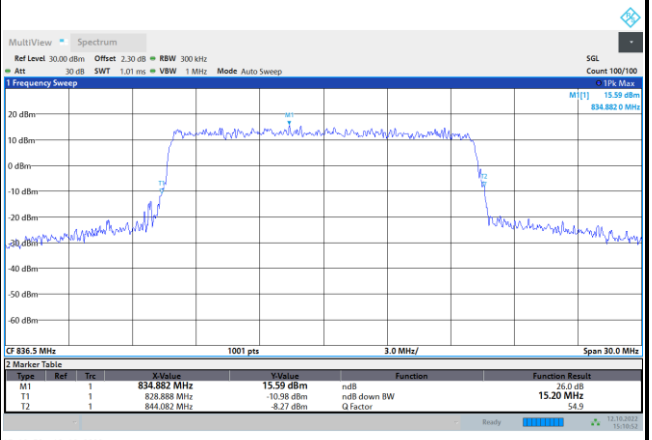
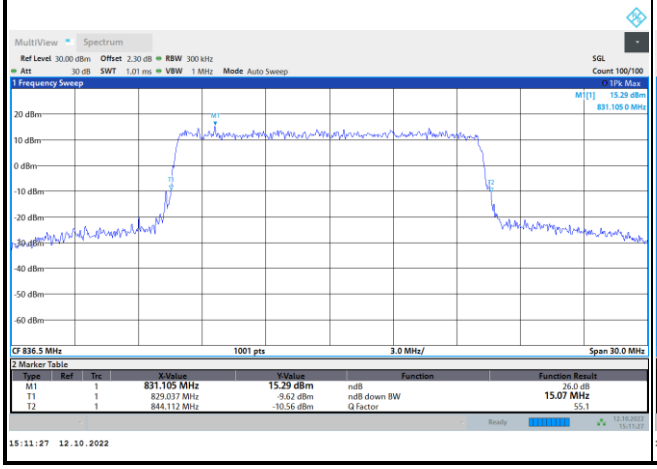
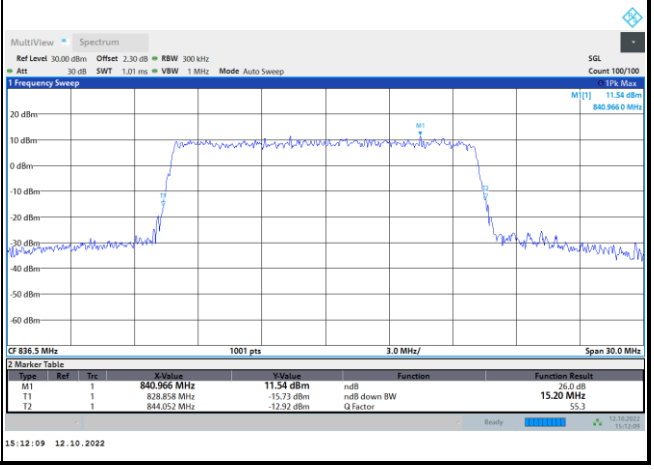
FR1 n5 / 5MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

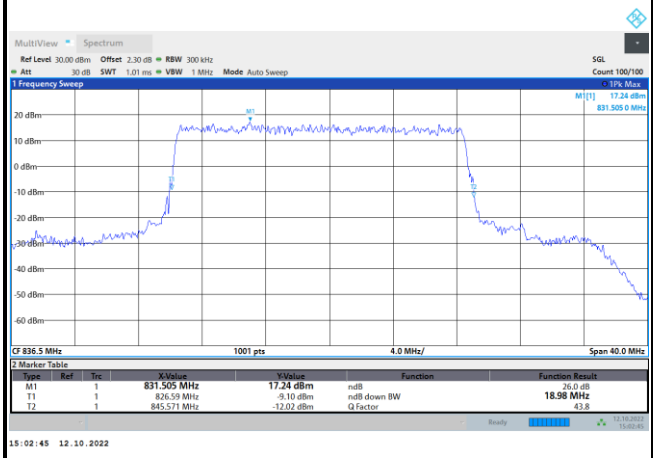
FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

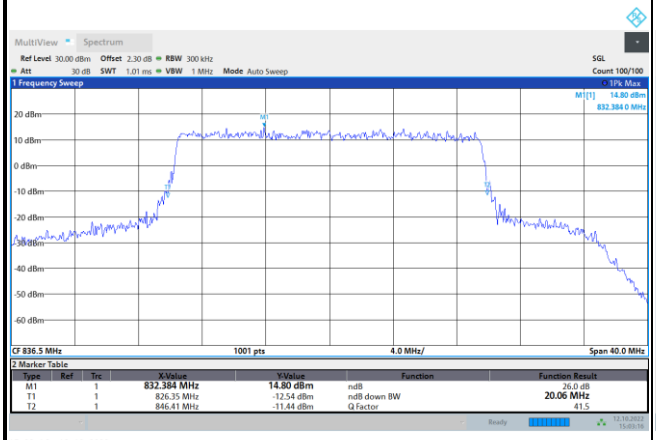
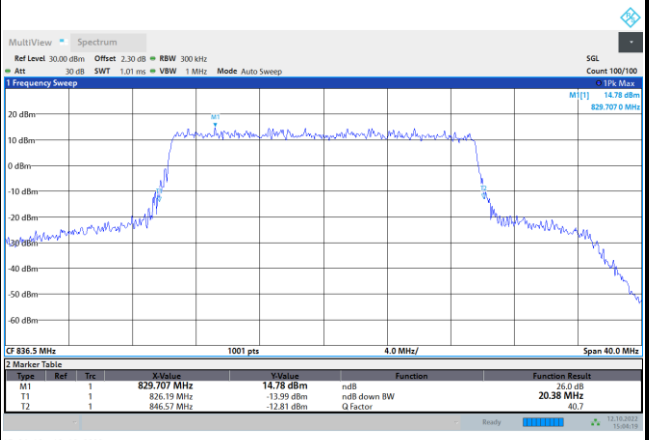
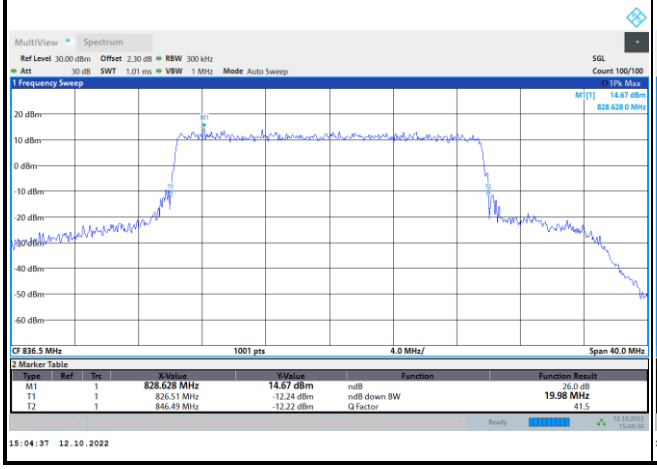
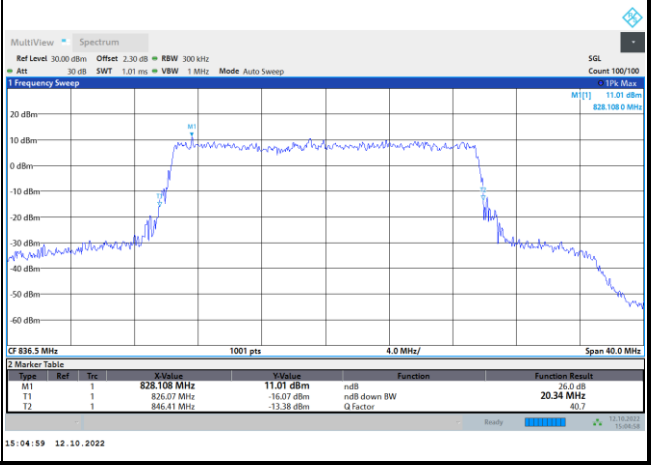
FR1 n5 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n5 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

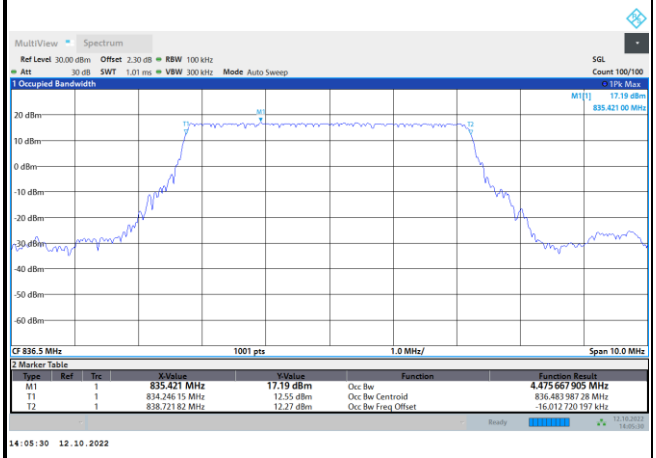
FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

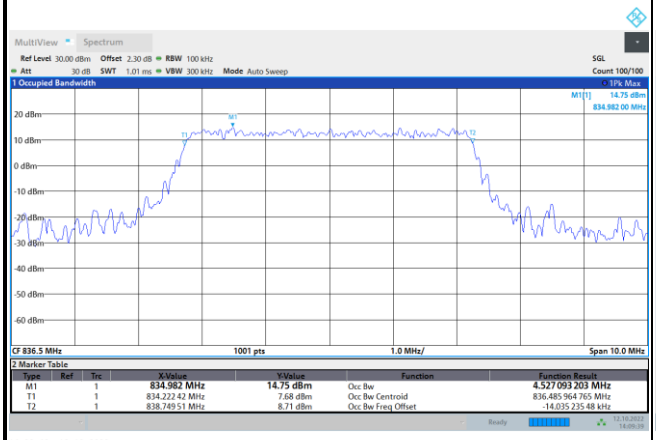
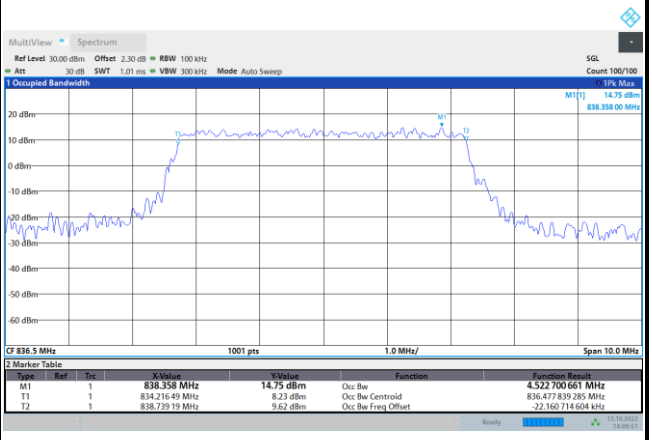
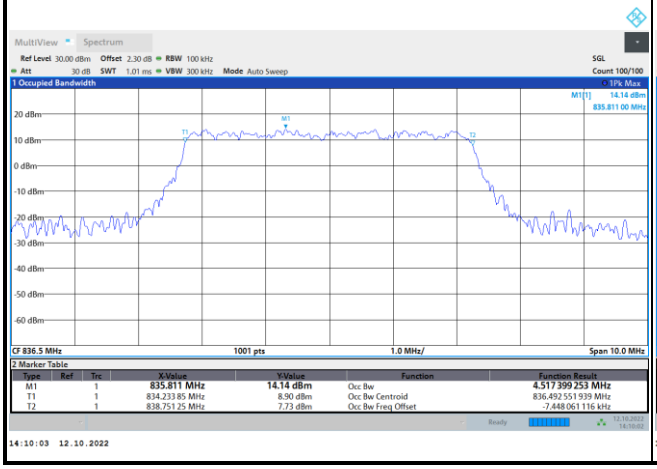
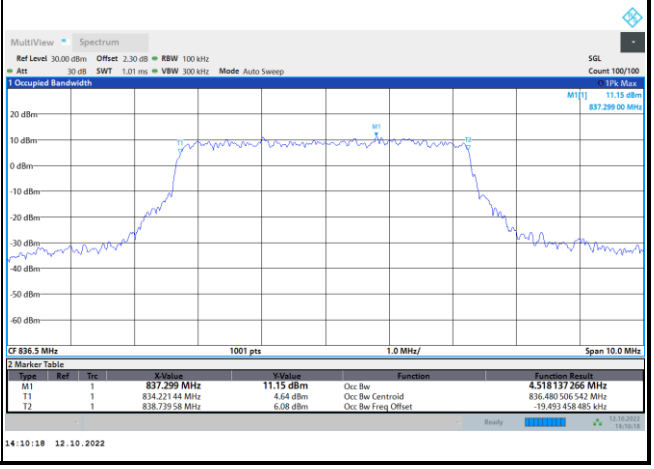
FR1 n5 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

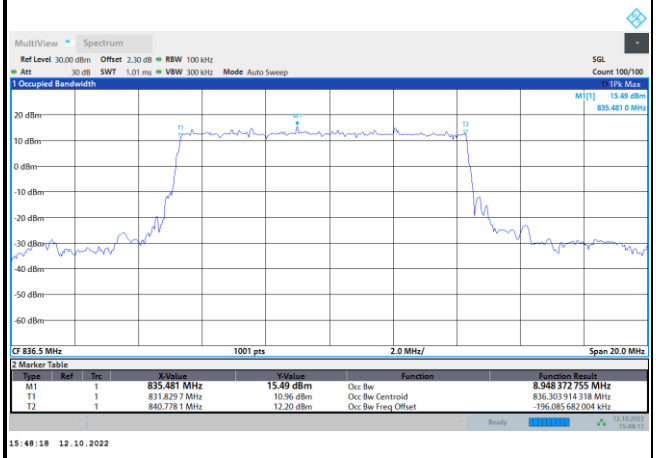
Occupied Bandwidth

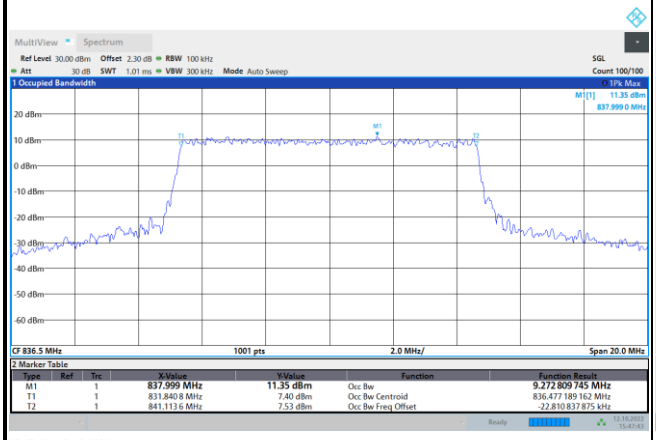
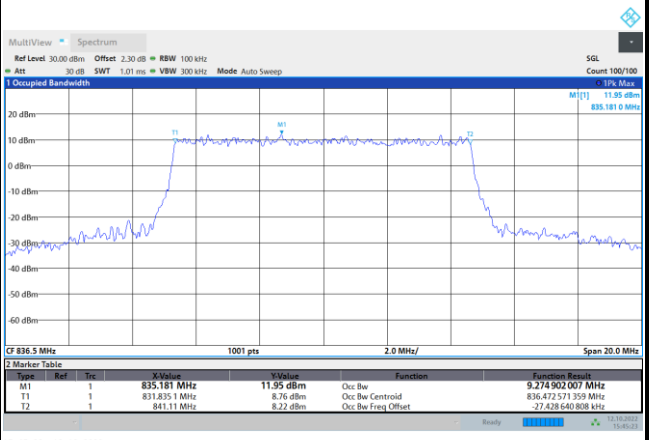
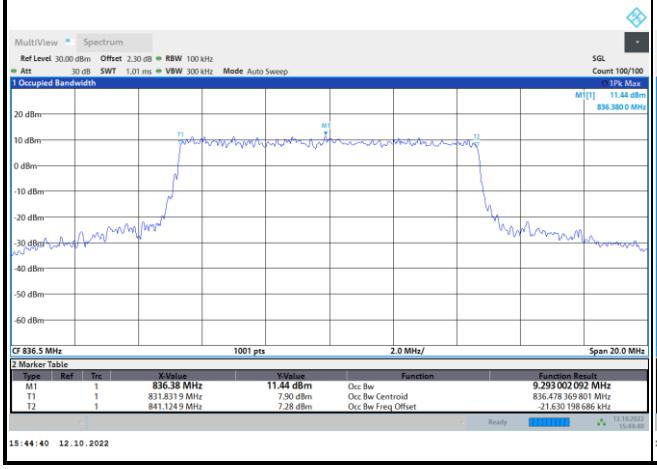
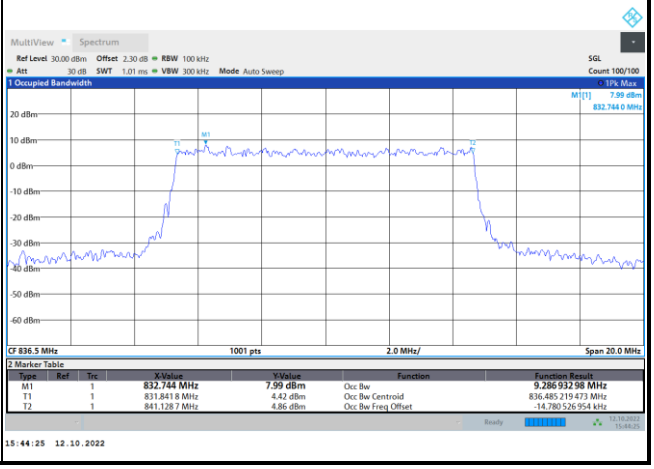
Mode	FR1 n5 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.47		8.94		13.47		17.89	

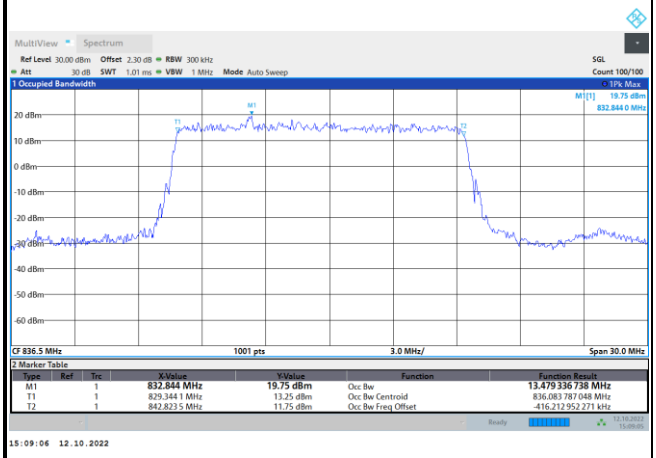
Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.52	4.52	9.27	9.27	14.09	14.11	18.95	18.92
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.51	4.51	9.29	9.28	14.18	14.10	18.99	18.96

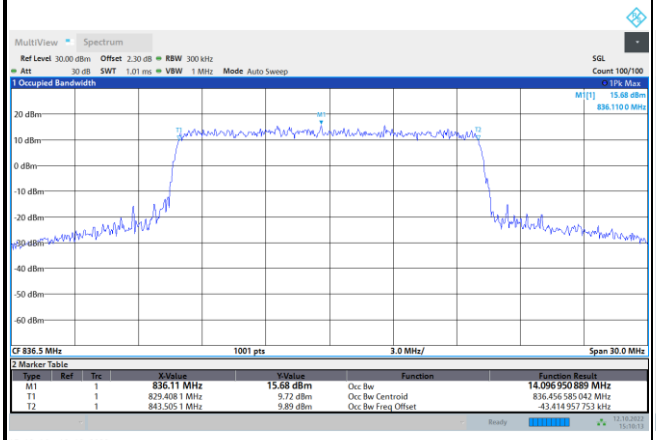
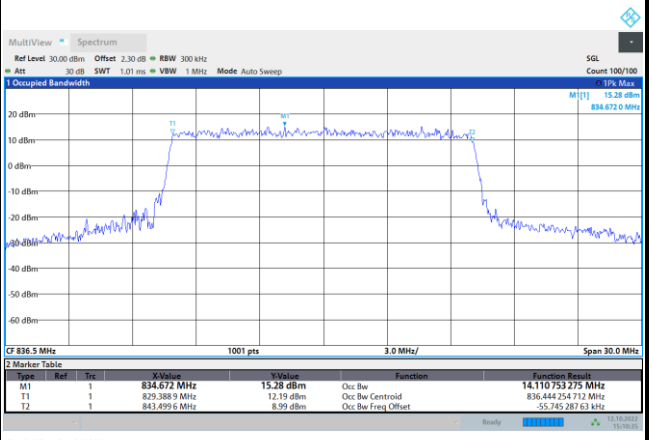
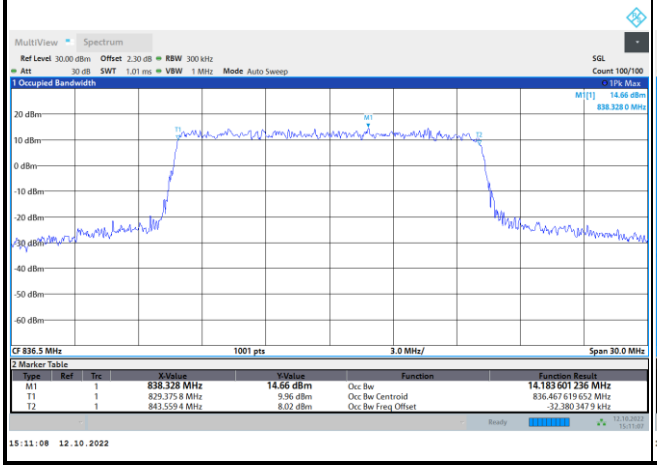
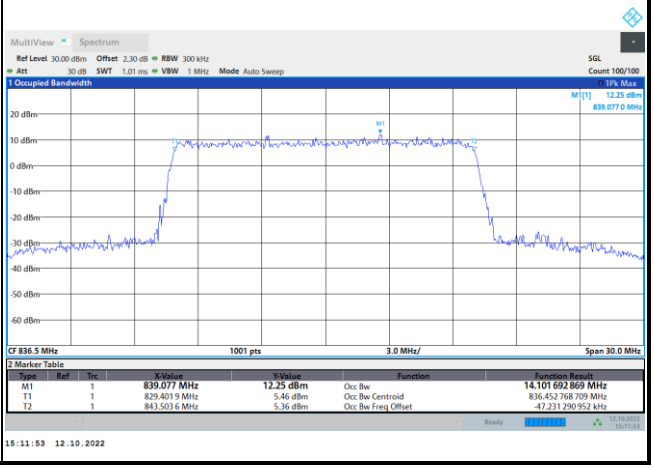
FR1 n5 / 5MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

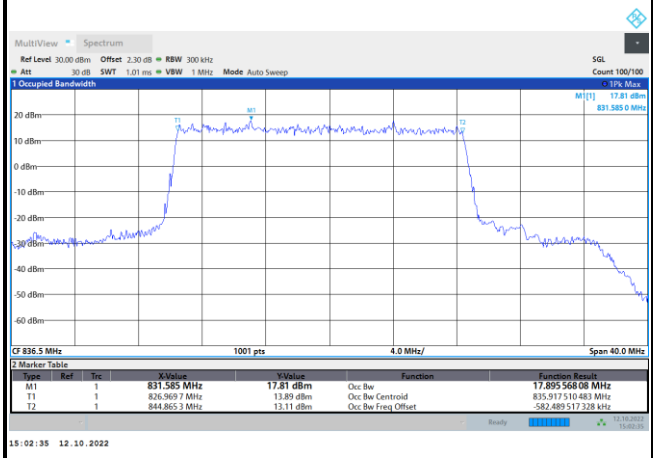
FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

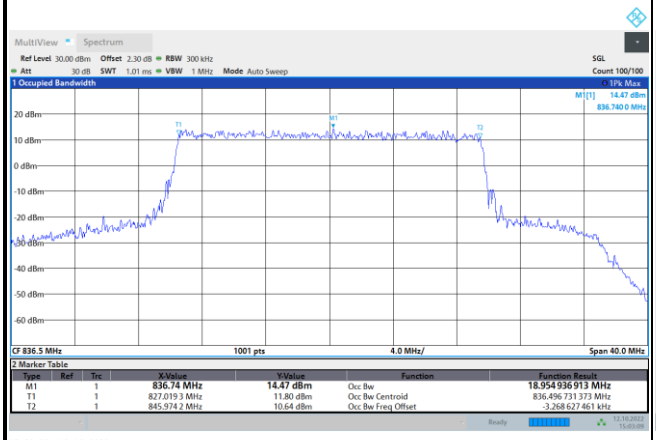
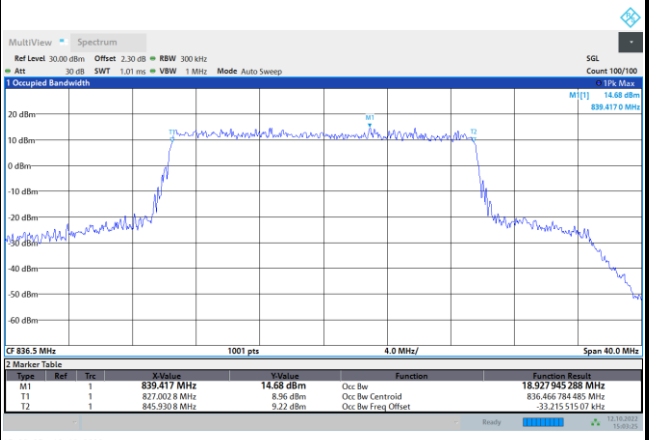
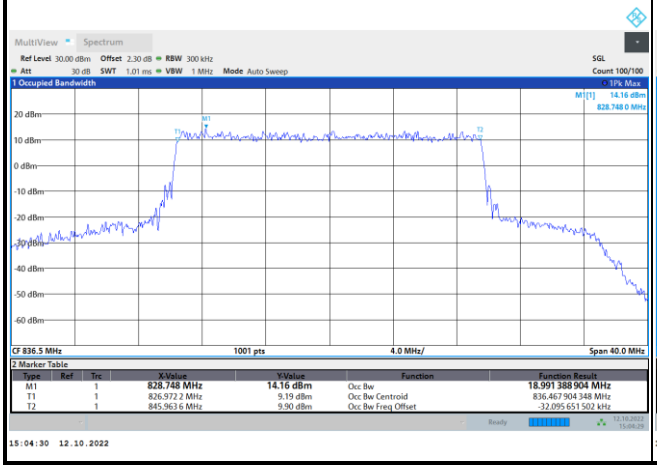
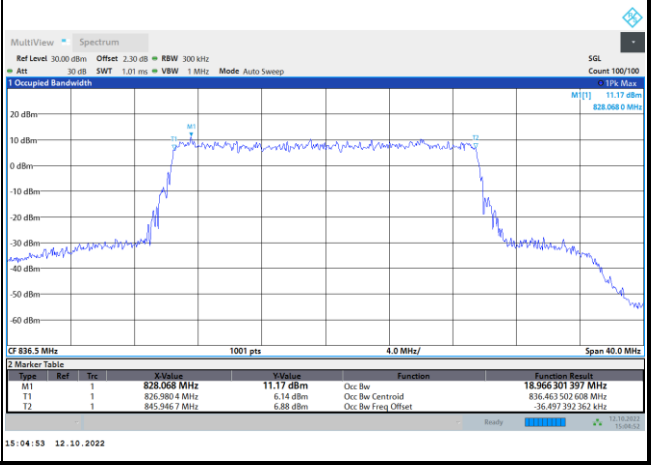
FR1 n5 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

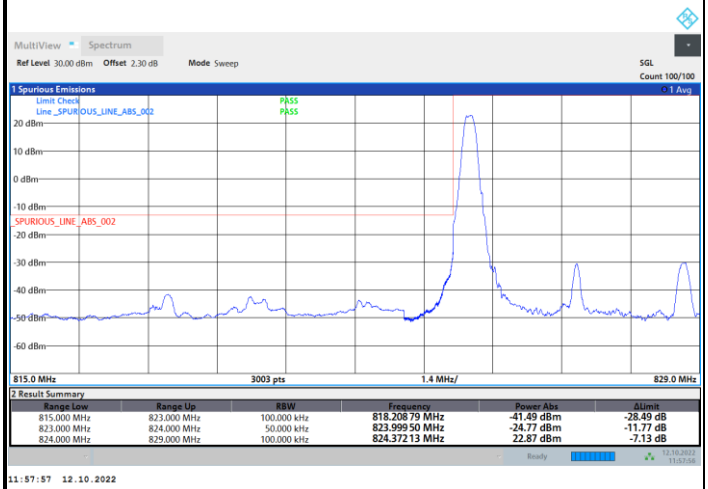
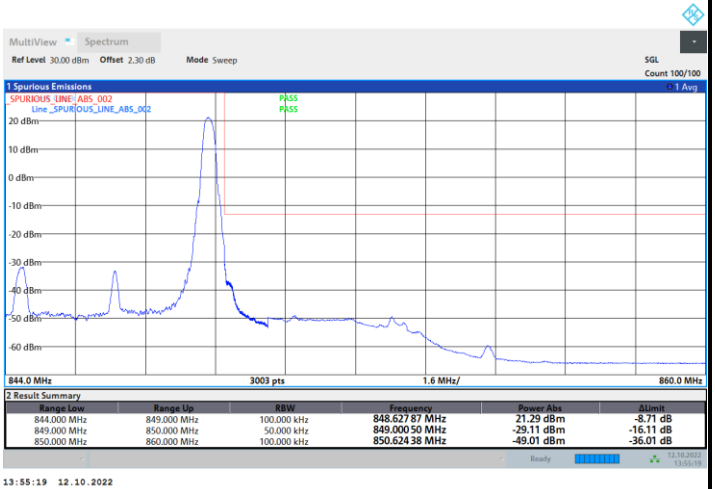
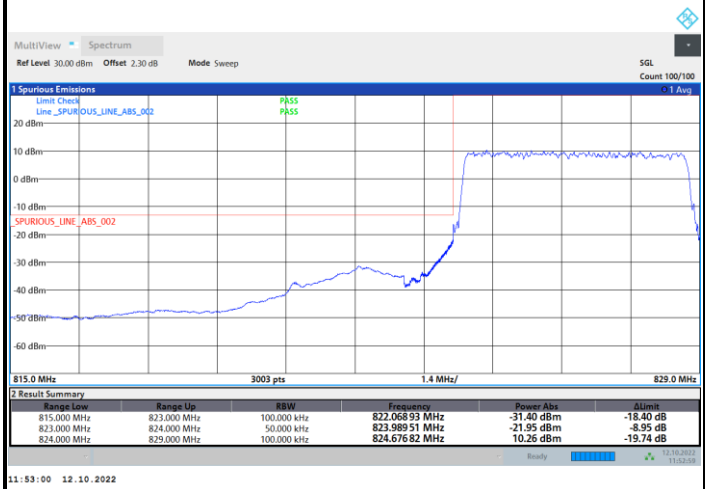
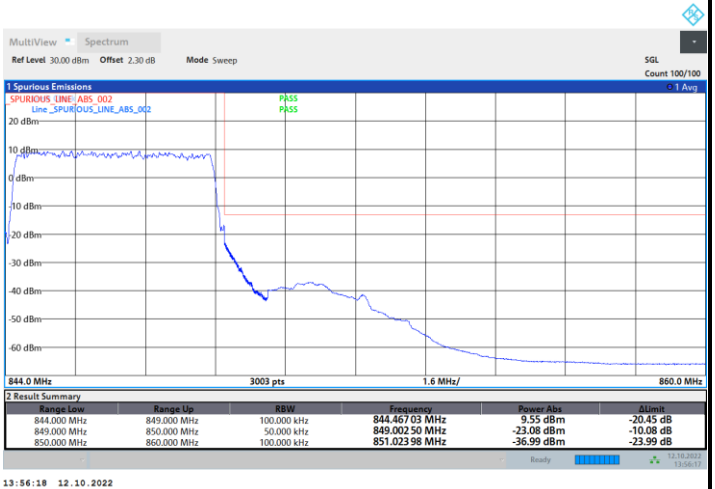
FR1 n5 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

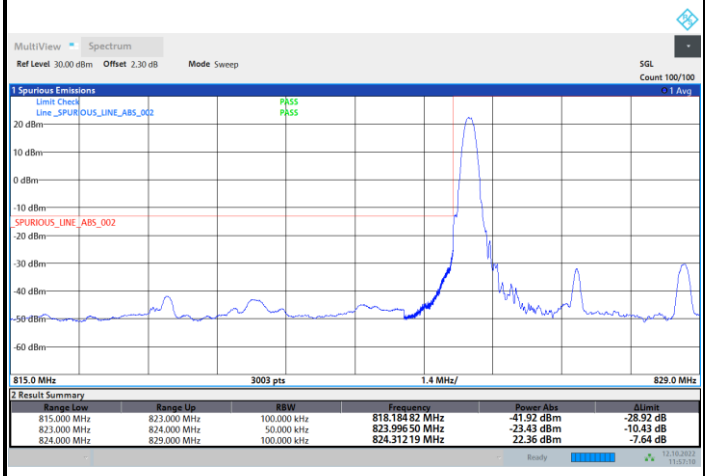
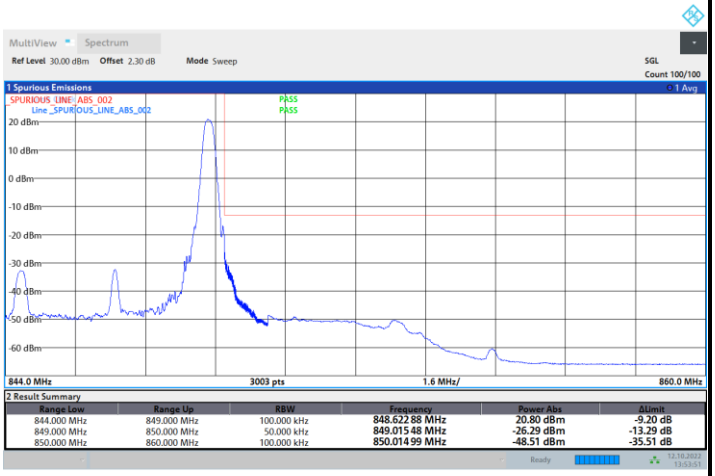
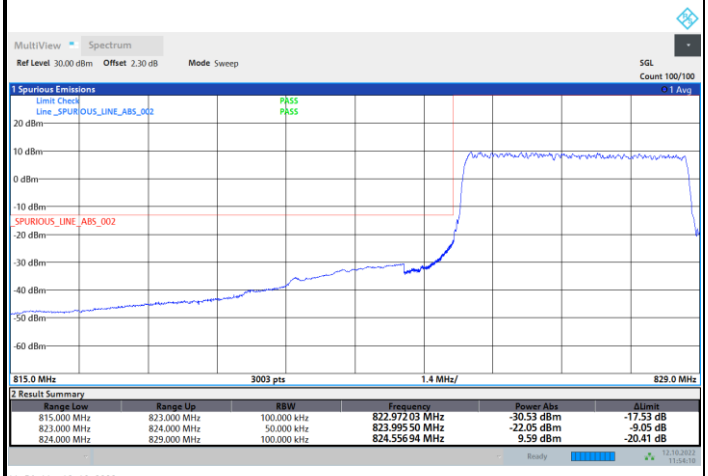
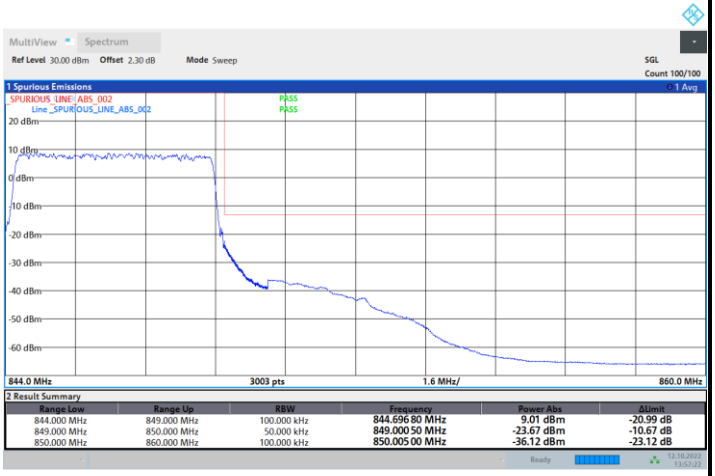
FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

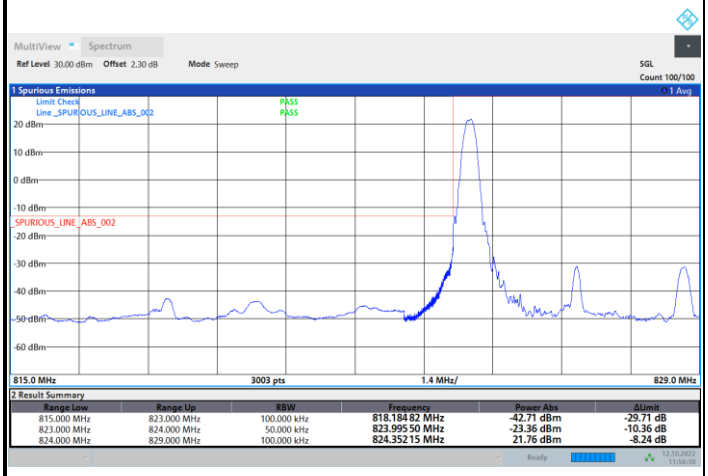
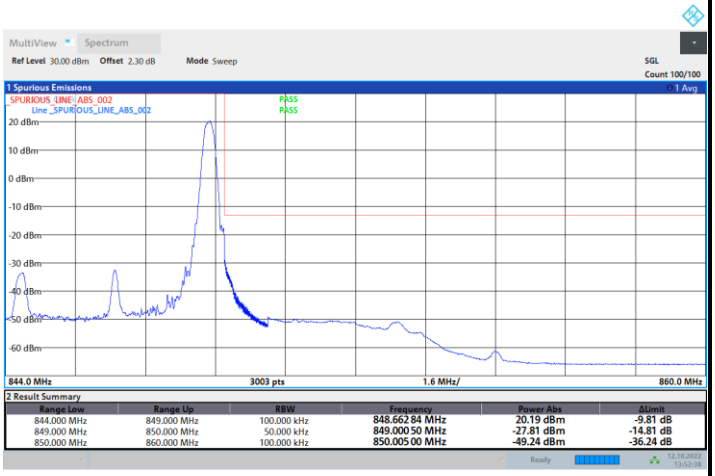
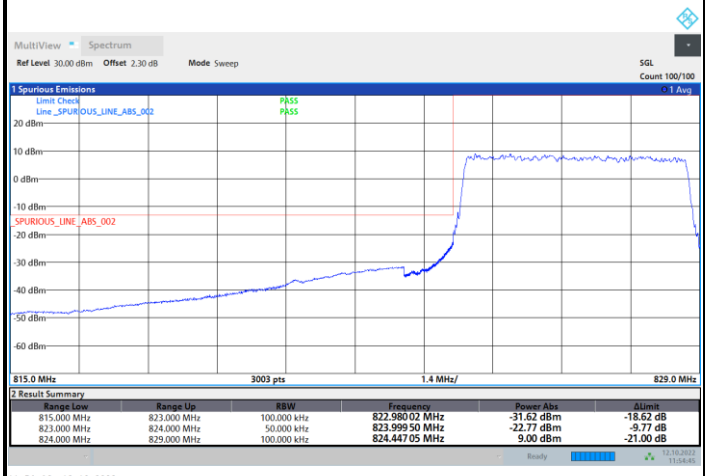
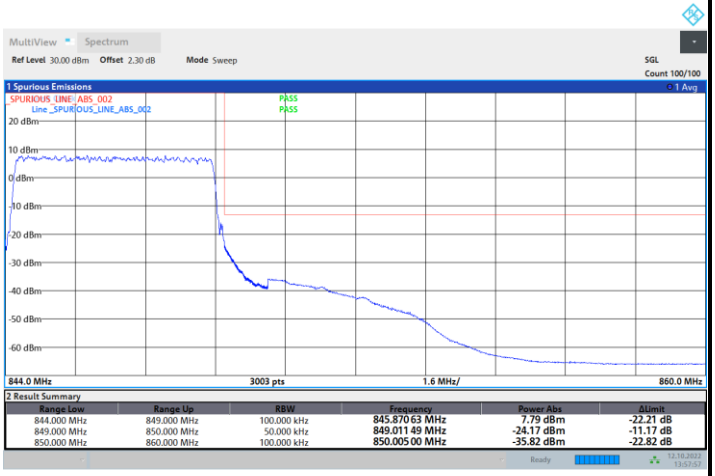
FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

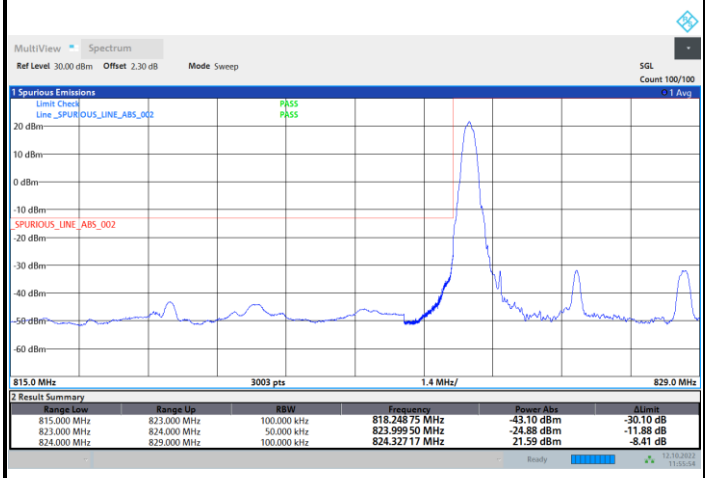
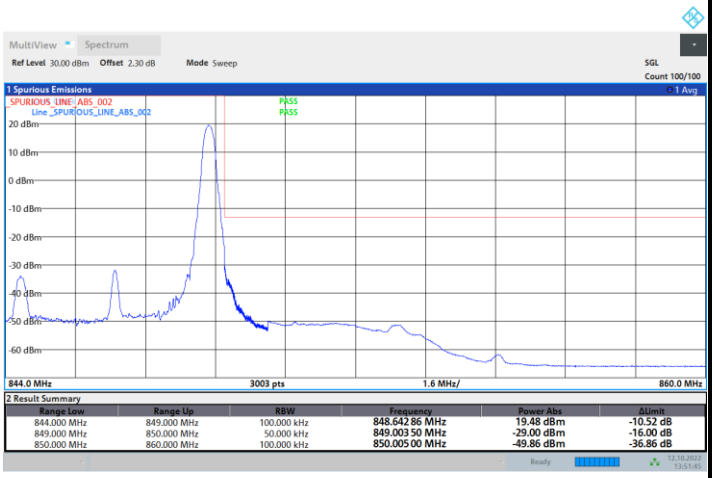
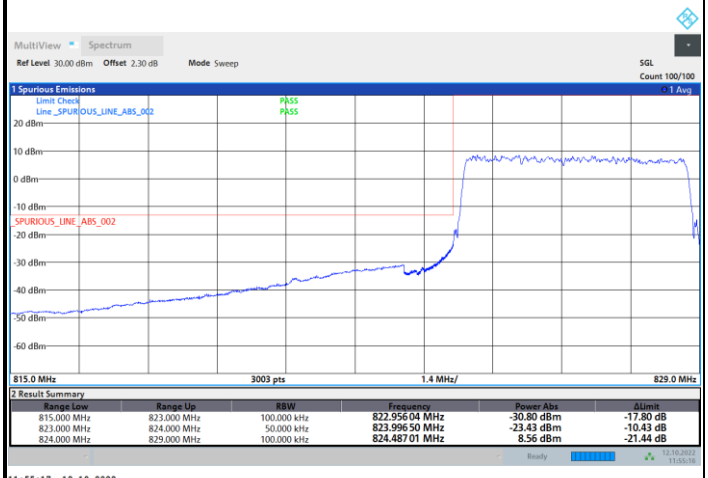
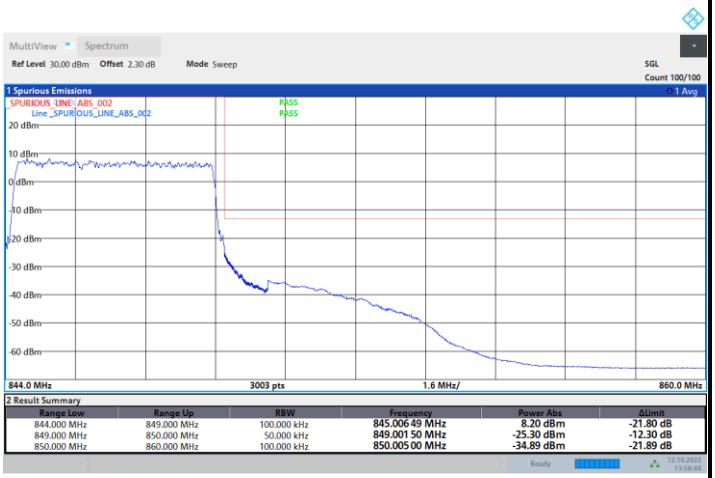
FR1 n5 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

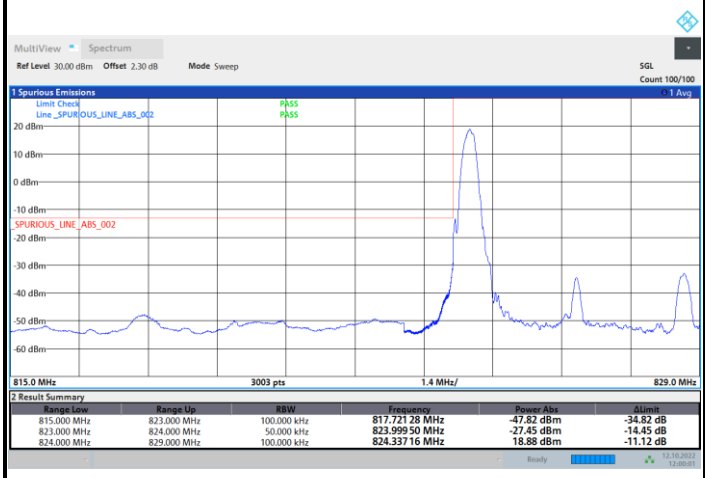
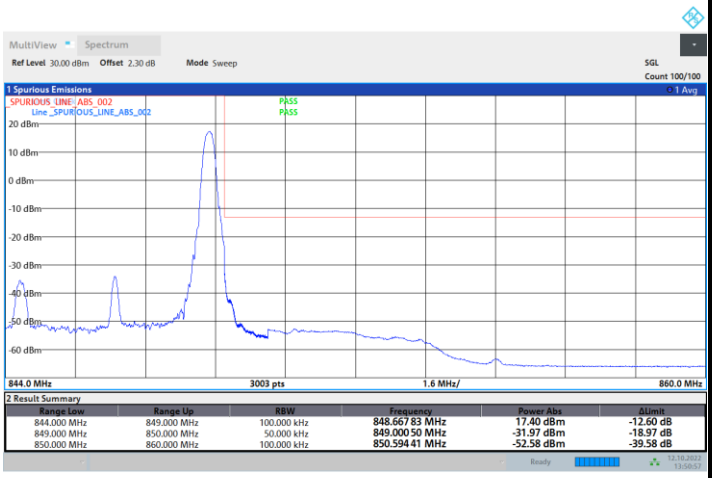
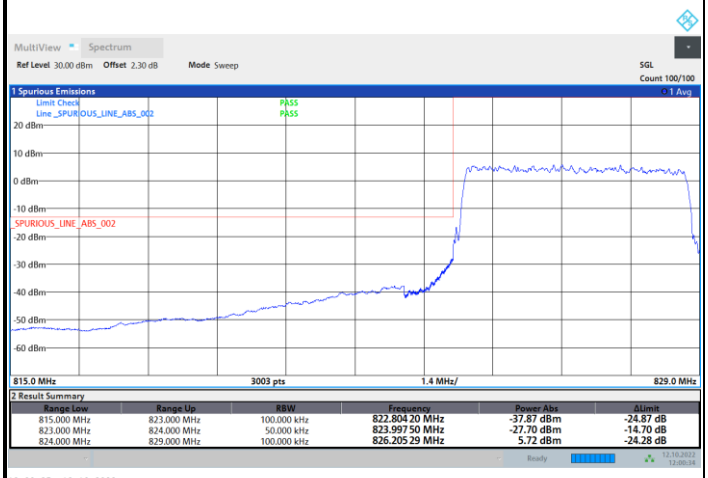
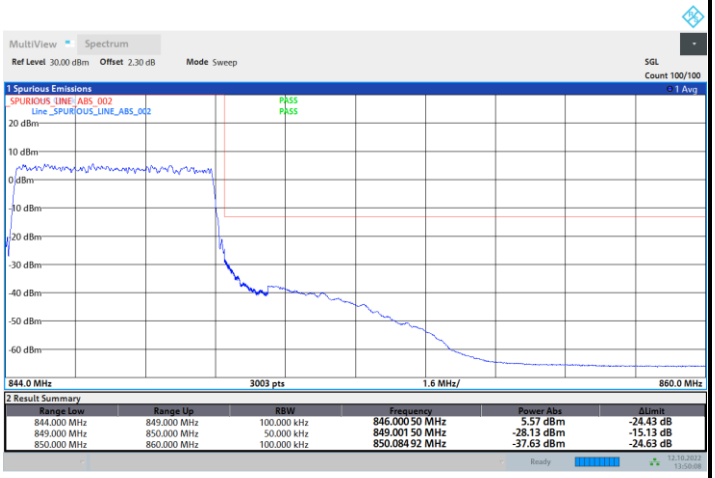
Conducted Band Edge

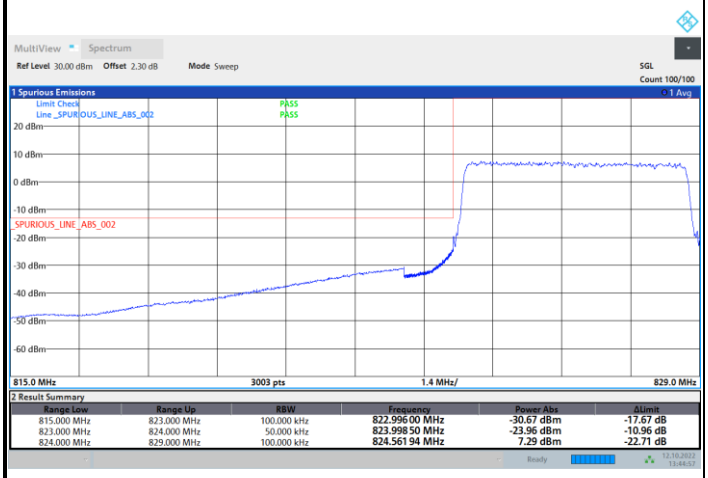
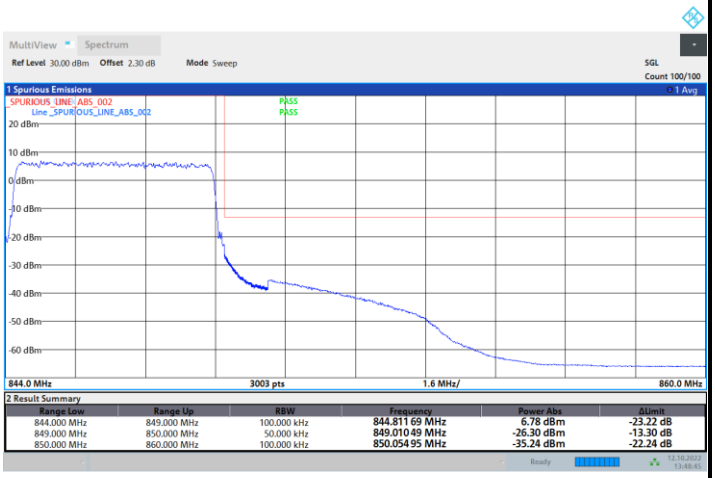
FR1 n5 / 5MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

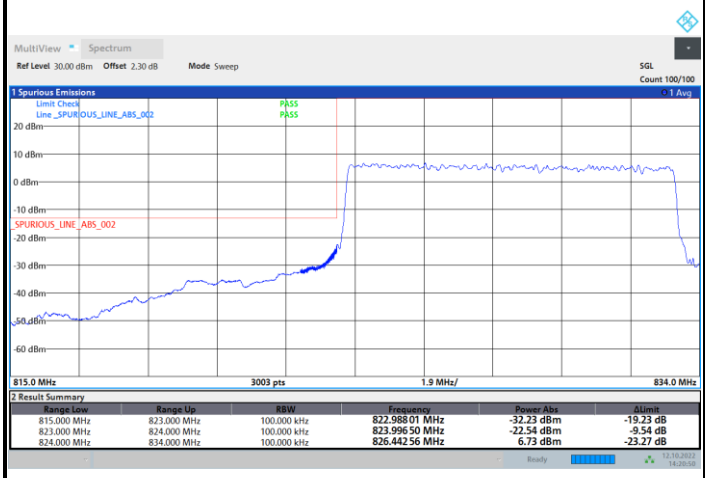
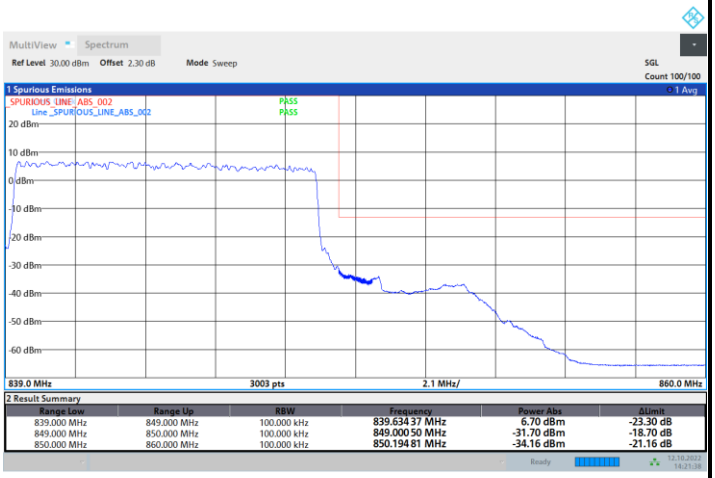
FR1 n5 / 5MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n5 / 5MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n5 / 5MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
 11:55:54 12.10.2022	 13:51:45 12.10.2022
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
 11:55:17 12.10.2022	 13:58:45 12.10.2022

FR1 n5 / 5MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n5 / 5MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

FR1 n5 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

FR1 n5 / 10MHz / DFT-s-OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge