



# FCC RADIO TEST REPORT

**FCC ID** : A4RG9S9B  
**Equipment** : Phone  
**Model Name** : G9S9B  
**Applicant** : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
**Standard** : FCC 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Jun. 08, 2021 and testing was started from Jun. 08, 2021 and completed on Jul. 15, 2021. 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 of 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	Issued Date
FG0D2942-04C	01	Initial issue of report	Jul. 30, 2021
FG0D2942-04C	02	Revise description	Aug. 05, 2021



### 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)(2)	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)		
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)		
3.6	§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)		
3.7	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	-



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
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	Under limit 4.40 dB at 7752.000 MHz for Primary Antenna
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n38) (n41)		Under limit 11.96 dB at 7491.000 MHz for ASDIV Antenna

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: William Chen**

**Report Producer: Amy Chen**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
Model Name	G9S9B
FCC ID	A4RG9S9B
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/NFC/ GNSS/WPC/WPT WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE

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

EUT Information List	
S/N	Performed Test Item
15211FDF600077	Conducted Measurement ERP/EIRP
15211FDF600057	Radiated Spurious Emission



### 1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
<b>Tx Frequency</b>	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 n25: 1852.5 MHz ~ 1912.5 MHz 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685 MHz 5G NR n66: 1712.5 MHz ~ 1777.5 MHz 5G NR n71: 665.5 MHz ~ 695.5 MHz
<b>Rx Frequency</b>	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 n25: 1932.5 MHz ~ 1992.5 MHz 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685 MHz 5G NR n66: 2112.5 MHz ~ 2197.5 MHz 5G NR n71: 619.5 MHz ~ 649.5 MHz
<b>Bandwidth</b>	5G NR n2: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n5: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n7: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n12: 5MHz / 10MHz / 15MHz 5G NR n25: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n38: 10MHz / 15MHz / 20MHz 5G NR n41: 10MHz / 15MHz / 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz 5G NR n66: 5MHz / 10MHz / 15MHz / 20MHz / 30MHz / 40MHz 5G NR n71: 5MHz / 10MHz / 15MHz / 20MHz



Standards-related Product Specification	
<p><b>Maximum Output Power to Antenna</b> <b>&lt;DFT-s-OFDM&gt;</b></p>	<p><b>&lt;Primary Antenna&gt;</b>  <b>&lt;Ant. 0&gt;</b>                      5G NR n5 : 24.63 dBm                      5G NR n12 : 24.82 dBm                      5G NR n71 : 24.85 dBm  <b>&lt;Ant. 2&gt;</b>                      5G NR n2 : 24.75 dBm                      5G NR n7 : 24.58 dBm                      5G NR n25 : 24.82 dBm                      5G NR n66 : 24.95 dBm  <b>&lt;Ant. 5&gt;</b>                      5G NR n38 : 25.11 dBm                      5G NR n41 : 25.19 dBm                      5G NR n41 : 27.17 dBm for HPUE  <b>&lt;ASDIV Antenna&gt;</b>  <b>&lt;Ant. 0&gt;</b>                      5G NR n2 : 24.30 dBm                      5G NR n7 : 23.87 dBm                      5G NR n25 : 24.44 dBm                      5G NR n66 : 24.11 dBm  <b>&lt;Ant. 1&gt;</b>                      5G NR n5 : 24.37 dBm                      5G NR n12 : 24.62 dBm                      5G NR n38 : 24.50 dBm                      5G NR n41 : 24.43 dBm                      5G NR n41 : 26.44 dBm for HPUE                      5G NR n71 : 24.80 dBm</p>
<p><b>Antenna Type</b></p>	<p><b>&lt;Primary Antenna&gt;:</b>  <b>&lt;Ant. 0&gt;:</b> ILA Antenna  <b>&lt;Ant. 2&gt;:</b> ILA Antenna  <b>&lt;Ant. 5&gt;:</b> IFA Antenna  <b>&lt;ASDIV Antenna&gt;:</b>  <b>&lt;Ant. 0&gt;:</b> ILA Antenna  <b>&lt;Ant. 1&gt;:</b> ILA Antenna</p>
<p><b>Type of Modulation</b></p>	<p>PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM</p>



**<Primary Antenna>**

Radio Tech	Band Number	Antenna name	Gain
5G NR	n2	ANT2	0.3
5G NR	n5	ANT0	-3.5
5G NR	n7	ANT2	0.5
5G NR	n12	ANT0	-1.8
5G NR	n25	ANT2	0.3
5G NR	n38	ANT5	-1.2
5G NR	n41	ANT5	-1.9
	n41 HPUE	ANT5	-1.9
5G NR	n66	ANT2	0
5G NR	n71	ANT0	-3.2

**<ASDIV Antenna>**

Radio Tech	Band Number	Antenna name	Gain
5G NR	n2	ANT0	0.8
5G NR	n5	ANT1	-5.6
5G NR	n7	ANT0	0.3
5G NR	n12	ANT1	-5.5
5G NR	n25	ANT0	0.5
5G NR	n38	ANT1	-4.5
5G NR	n41	ANT1	-4.7
	n41 HPUE	ANT1	-4.7
5G NR	n66	ANT0	-0.3
5G NR	n71	ANT1	-6.9

### 1.3 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.4 Testing Location

<b>Test Site</b>	Sporton International Inc. EMC & Wireless Communications Laboratory
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
<b>Test Site No.</b>	<b>Sporton Site No.</b> TH03-HY
<b>Test Engineer</b>	Sherry Wu
<b>Temperature</b>	23.5~26.4°C
<b>Relative Humidity</b>	49.8~55.5%

<b>Test Site</b>	Sporton International Inc. Wensan Laboratory
<b>Test Site Location</b>	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
<b>Test Site No.</b>	<b>Sporton Site No.</b> 03CH12-HY (TAF Code: 3786)
<b>Test Engineer</b>	Jack Cheng, Lance Chiang and Chuan Chu
<b>Temperature</b>	22.6~26.2°C
<b>Relative Humidity</b>	56.6~68.2%
<b>Remark</b>	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 of 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
- ♦ 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 test items were verified and recorded according to the standards and without any deviation during the test.
2. 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.

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 adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find

(Primary Antenna: X with Adapter for 5G NR n7, n71, ENDC 26A\_n25A; Y with Adapter for 5G NR n66, ENDC 66A\_n5A, ENDC 66A\_n71A; Z with Adapter for 5G NR n25, n41; X with Earphone for 5G NR n12; Z with Earphone for 5G NR ENDC 26A\_n41A, EN-DC 25A-n41A, EN-DC 66A-n41A; ASDIV Antenna: X with Adapter for 5G NR n12, ENDC 5A\_n2A; Y with Adapter for 5G NR n7, n25, n71, ENDC 14A\_n66A, ENDC 26A\_41A; Z with Adapter for 5G NR n66, ENDC 7A\_n71A; X with Earphone for ENDC n7A\_n5A) as worst plane.

Test Items	NR Band	Bandwidth (MHz)							Modulation					RB #			Test Channel		
		5	10	15	20	30	40	50	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
	n12	v	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
	n38	-	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
	n71	v	v	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Ave rage Ratio	n2				v	-	-	-	v	v	v	v	v			v		v	
	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	
	n25				v	-	-	-	v	v	v	v	v			v		v	
	n38	-			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	v	v	v	v	-	-	-	v	v	v	v	v			v		v	
	n5	v	v	v	v	-	-	-	v	v	v	v	v			v		v	
	n7	v	v	v	v	-	-	-	v	v	v	v	v			v		v	
	n12	v	v	v	-	-	-	-	v	v	v	v	v			v		v	
	n25	v	v	v	v	-	-	-	v	v	v	v	v			v		v	
	n38	-	v	v	v	-	-	-	v	v	v	v	v			v		v	
	n66	v	v	v	v	v	v	-	v	v	v	v	v			v		v	
	n71	v	v	v	v	-	-	-	v	v	v	v	v			v		v	



Test Items	NR Band	Bandwidth (MHz)							Modulation					RB #			Test Channel		
		5	10	15	20	30	40	50	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Conducted Band Edge	n2	v	v	v	v	-	-	-	v	v	v	v	v	v		v	v		v
	n5	v	v	v	v	-	-	-	v	v	v	v	v	v		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	v		v	v		v
	n25	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
	n66	v	v	v	v	v	v	-	v	v	v	v	v	v		v	v		v
n71	v	v	v	v	-	-	-	v	v	v	v	v	v		v	v		v	
Conducted Spurious Emission	n2	v				-	-	-		v				v			v	v	v
	n5	v				-	-	-		v				v			v	v	v
	n7	v				-	-	-		v				v			v	v	v
	n12	v			-	-	-	-		v				v			v	v	v
	n25	v				-	-	-		v				v			v	v	v
	n38	-	v			-	-	-		v				v			v	v	v
	n66	v						-		v				v			v	v	v
n71	v				-	-	-		v				v			v	v	v	
Frequency Stability	n2				v	-	-	-	v							v		v	
	n5				v	-	-	-	v							v		v	
	n7				v	-	-	-	v							v		v	
	n12			v	-	-	-	-	v							v		v	
	n25				v	-	-	-	v							v		v	
	n38	-			v	-	-	-	v							v		v	
	n66				v			-	v							v		v	
n71				v	-	-	-	v							v		v		
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						
	n12	v	v	v	-	-	-	-	v	v	v	v	v						
	n25	v	v	v	v	-	-	-	v	v	v	v	v						
	n38	-	v	v	v	-	-	-	v	v	v	v	v						
	n66	v	v	v	v	v	v	-	v	v	v	v	v						
n71	v	v	v	v	-	-	-	v	v	v	v	v							



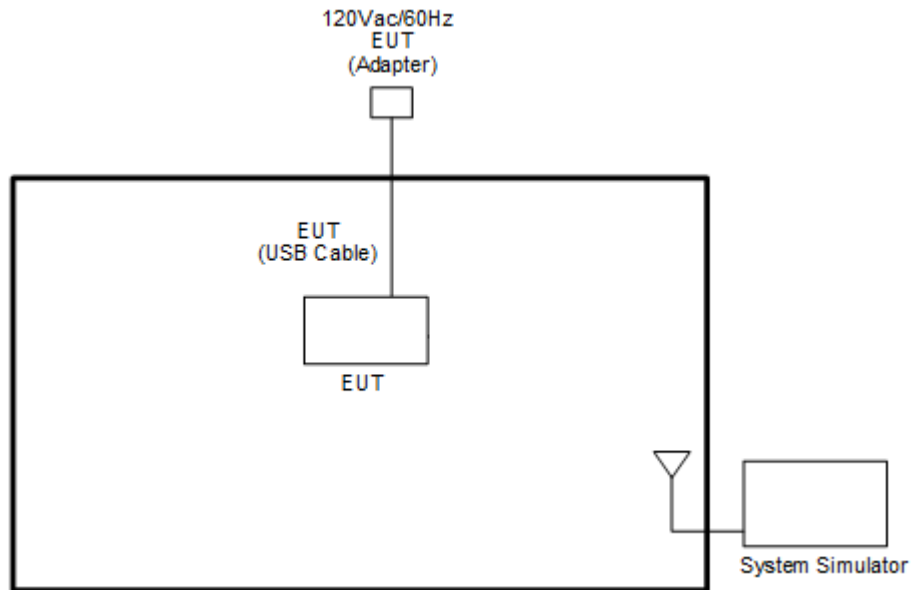
Test Items	NR Band	Bandwidth (MHz)							Modulation					RB #			Test Channel		
		5	10	15	20	30	40	50	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Radiated Spurious Emission	n2	Worst Case											v	v	v				
	n5	Worst Case											v	v	v				
	n7	Worst Case											v	v	v				
	n12	Worst Case											v	v	v				
	n25	Worst Case											v	v	v				
	n38	Worst Case											v	v	v				
	n66	Worst Case											v	v	v				
n71	Worst Case											v	v	v					
Remark	<ol style="list-style-type: none"> <li>The mark "v " means that this configuration is chosen for testing</li> <li>The mark "- " means that this bandwidth is not supported.</li> <li>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.</li> <li>Test combination is EN-DC 66A-n5A, EN-DC 7A-n5A, EN-DC 26A-n25A, EN-DC 5A-n2A, EN-DC 14A-n66A, EN-DC 7A-n71A, EN-DC 66A-n71A.</li> <li>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, the worst modes of FR1 and LTE for simultaneous transmission were verified and compliant.</li> <li>Wider operating range bandwidth covers narrower one when the power is higher or the same.</li> <li>During the preliminary test, both charging modes (Adapter mode and WPC Charging mode) were verified. It is determined that the adaptor mode is the worst case for official test.</li> <li>All the NR SA/NSA modes are evaluated conducted power to determine the worst case for conducted items to be reported. For radiated test, NSA mode is primary considered if the NR output power is similar and do additional spot check for some SA mode.</li> <li>All the radiated test cases were performed with Adapter 2 and USB Cable 1.</li> </ol>																		



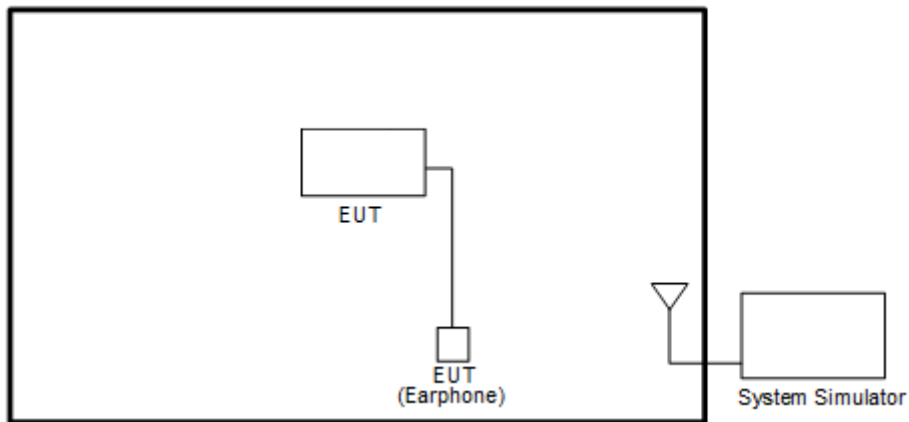
Test Items	NR Band	Bandwidth (MHz)										Modulation					RB #			Test Channel			
		10	15	20	30	40	50	60	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	n41_HPUE	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
Peak-to-Average Ratio	n41_HPUE			v									v	v	v	v	v			v		v	
26dB and 99% Bandwidth	n41_HPUE	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v				v		v	
Conducted Band Edge	n41_HPUE	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v	
Conducted Spurious Emission	n41_HPUE	v	v	v	v	v	v	v	v	v	v							v			v	v	v
Frequency Stability	n41_HPUE			v									v							v		v	
E.R.P / E.I.R.P	n41_HPUE	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	Max Power						
Radiated Spurious Emission	n41_HPUE	Worst Case																		v	v	v	
Remark	<ol style="list-style-type: none"> <li>The mark "v" means that this configuration is chosen for testing</li> <li>The mark "-" means that this bandwidth is not supported.</li> <li>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.</li> <li>Test combination is EN-DC 25A-n41A, EN-DC 26A-n41A, EN-DC 66A-n41A .</li> <li>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, the worst modes of FR1 and LTE for simultaneous transmission were verified and compliant.</li> <li>During the preliminary test, both charging modes (Adapter mode and WPC Charging mode) were verified. It is determined that the adaptor mode is the worst case for official test.</li> <li>All the NR SA/NSA modes are evaluated conducted power to determine the worst case for conducted items to be reported. For radiated test, NSA mode is primary considered if the NR output power is similar and do additional spot check for some SA mode.</li> <li>All the radiated test cases were performed with Adapter 2 and USB Cable 1.</li> </ol>																						

## 2.2 Connection Diagram of Test System

<EUT with Adapter>



<EUT with Earphone>



## 2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	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 :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$



### 2.5 Frequency List of Low/Middle/High Channels

5G NR Band 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 Band 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 Band n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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 Band 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 Band n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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 Band 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 Band 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
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 Band 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
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 Band 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

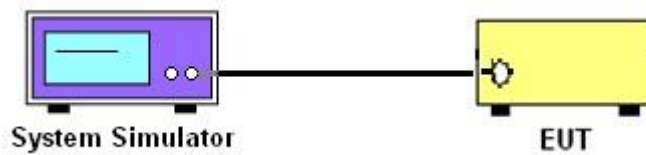
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

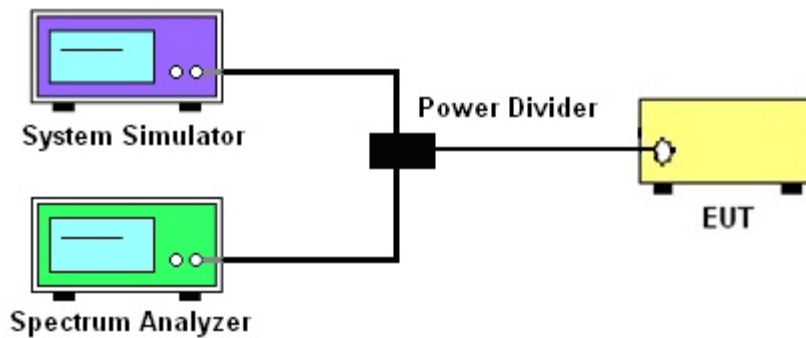
See list of measuring instruments of this test report.

##### 3.1.1 Test Setup

##### 3.1.2 Conducted Output Power



##### 3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge 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 and n71

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

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

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  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  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  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  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  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  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  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  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.

**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  $\geq$  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  $43 + 10\log(P)$ 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 Conducted Spurious Emission

### 3.6.1 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 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 10th harmonic.

### 3.6.2 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 middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
For 5G NR n7, n38, n41  
The limit line is derived from  $55 + 10\log(P)$ dB below the transmitter power P(Watts)



### 3.7 Frequency Stability

#### 3.7.1 Description of Frequency Stability Measurement

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  $\pm 0.00025\%$  ( $\pm 2.5\text{ppm}$ ) of the center frequency.

24.235 & 27.54

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

#### 3.7.2 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  $-30^{\circ}\text{C}$  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  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . 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.

#### 3.7.3 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  $20\pm 5^{\circ}\text{C}$  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.

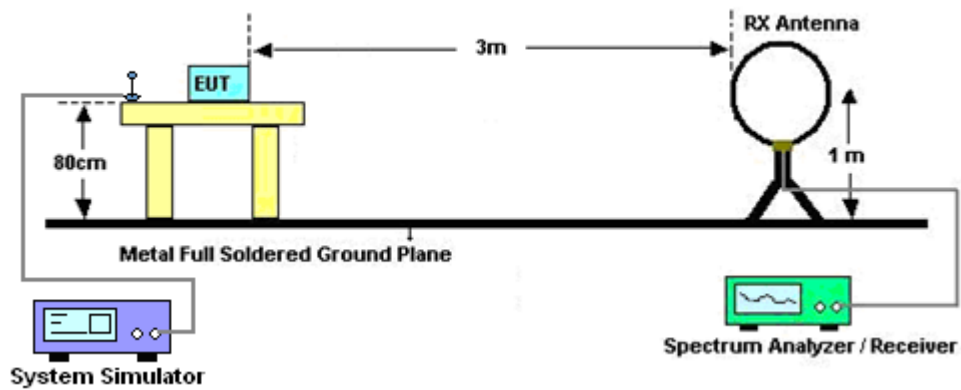
## 4 Radiated Test Items

### 4.1 Measuring Instruments

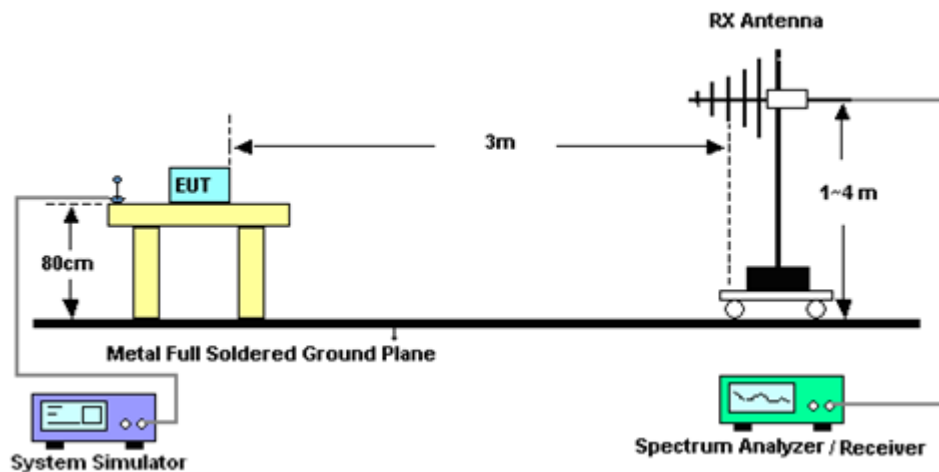
See list of measuring instruments of this test report.

#### 4.1.1 Test Setup

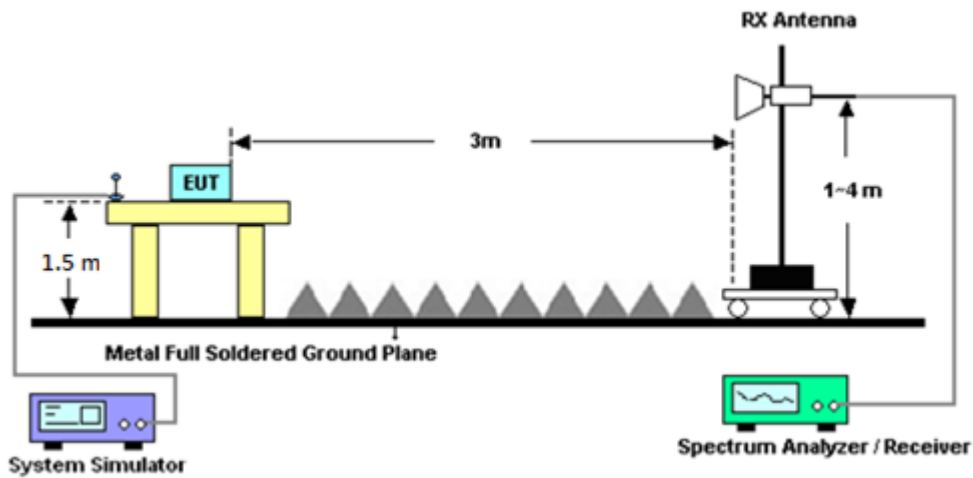
For radiated emissions below 30MHz



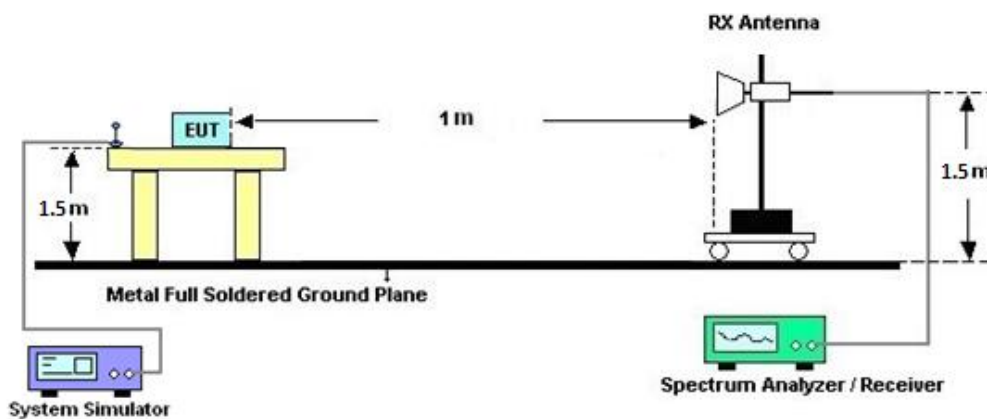
For radiated test from 30MHz to 1GHz



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.

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  $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For 5G NR n7, n38, n41

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

$EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$

$ERP \text{ (dBm)} = EIRP - 2.15$





## 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	100315	9 kHz~30 MHz	Jan. 04, 2021	Jun. 16, 2021~ Jul. 09, 2021	Jan. 03, 2022	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	37059 & 01	30MHz~1GHz	Oct. 11, 2020	Jun. 16, 2021~ Jul. 09, 2021	Oct. 10, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Nov. 23, 2020	Jun. 16, 2021~ Jul. 09, 2021	Nov. 22, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 05, 2021	Jun. 16, 2021~ Jul. 09, 2021	May 04, 2022	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz~40GHz	Nov. 19, 2020	Jun.16, 2021~ Jul. 09, 2021	Nov. 18, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917057 6	18GHz~40GHz	May 21, 2021	Jun.16, 2021~ Jul. 09, 2021	May 20, 2022	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 24, 2021	Jun. 16, 2021~ Jul. 09, 2021	Mar. 23, 2022	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY57280120	1GHz~26.5GHz	Jul. 20, 2020	Jun. 16, 2021~ Jul. 09, 2021	Jul. 19, 2021	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 05, 2020	Jun. 16, 2021~ Jul. 09, 2021	Dec. 04, 2021	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Jun.16, 2021~ Jul. 09, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	Jun. 16, 2021~ Jul. 09, 2021	Jan. 14, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Jun. 16, 2021~ Jul. 09, 2021	Mar. 10, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 11, 2020	Jun. 16, 2021~ Jul. 09, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 22, 2021	Jun. 16, 2021~ Jul. 09, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 22, 2021	Jun. 16, 2021~ Jul. 09, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1m~4m	N/A	Jun. 16, 2021~ Jul. 09, 2021	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jun. 16, 2021~ Jul. 09, 2021	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Jun. 16, 2021~ Jul. 09, 2021	N/A	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-1 2SS	SN2	1.2GHz Low Pass Filter	Mar. 17, 2021	Jun. 16, 2021~ Jul. 09, 2021	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60ST	SN2	3GHz High Pass Filter	Jul. 14, 2020	Jun. 16, 2021~ Jul. 09, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000 -40ST	SN2	6.75GHz High Pass Filter	Mar. 17, 2021	Jun. 16, 2021~ Jul. 09, 2021	Mar. 16, 2022	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	EL890001	50Hz~60Hz	Oct. 05, 2020	Jun. 08, 2021~ Jul. 15, 2021	Oct. 04, 2021	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	Apr. 20, 2021	Jun. 08, 2021~ Jul. 15, 2021	Apr. 19, 2022	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	May 21, 2021	Jun. 08, 2021~ Jul. 15, 2021	May 20, 2022	Conducted (TH03-HY)
Hygrometer	Testo	608-H11	3489324	NA	Jan. 18, 2021	Jun. 08, 2021~ Jul. 15, 2021	Jan. 17, 2022	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6261849015	LTE	Sep. 18, 2020	Jun. 08, 2021~ Jul. 15, 2021	Sep. 17, 2021	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6261940327	FR1	Sep. 23, 2020	Jun. 08, 2021~ Jul. 15, 2021	Sep. 22, 2021	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% ( $U = 2Uc(y)$ )	3.10 dB
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.39 dB
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.34 dB
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## Appendix A. Test Results of Conducted Test

### Conducted Output Power(Average power) and ERP/EIRP

#### <Primary Antenna>

NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.11	24.93	24.41	23.29	0.2133
10	1	22		25.13	24.93	24.55		
10	12	6		25.19	24.95	24.47		
10	1	0		24.62	24.44	23.93		
10	1	23		24.61	24.45	24.04		
10	24	0		24.66	24.45	24.00		
10	1	1	QPSK	25.12	24.96	24.50		
10	1	22		25.12	24.91	24.63		
10	12	6		25.15	24.94	24.50		
10	1	0		24.17	23.97	23.50		
10	1	23		24.12	23.97	23.59		
10	24	0		24.15	23.95	23.49		
10	1	1	16-QAM	24.24	23.79	23.21	22.34	0.1714
10	1	1	64-QAM	22.57	22.55	22.07		
10	1	1	256-QAM	20.47	20.46	19.82		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.17	24.94	24.55	23.27	0.2123
15	1	36		25.16	24.94	24.70		
15	18	9		25.17	24.91	24.61		
15	1	0		24.67	24.45	24.02		
15	1	37		24.65	24.42	24.16		
15	36	0		24.65	24.44	24.14		
15	1	1	QPSK	25.12	24.95	24.50		
15	1	36		25.17	24.97	24.70		
15	18	9		25.15	24.95	24.62		
15	1	0		24.19	23.95	23.50		
15	1	37		24.19	23.93	23.66		
15	36	0		24.21	23.94	23.61		
15	1	1	16-QAM	24.36	23.99	23.55	22.46	0.1762
15	1	1	64-QAM	22.67	22.21	22.02		
15	1	1	256-QAM	20.54	20.36	20.04		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.01	24.98	24.51	23.11	0.2046		
20	1	49		24.99	24.92	24.65				
20	25	12		25.00	24.95	24.57				
20	1	0		24.51	24.46	24.00				
20	1	50		24.49	24.41	24.15				
20	50	0		24.50	24.43	24.05				
20	1	1	QPSK	24.95	24.95	24.54			22.03	0.1596
20	1	49		25.00	24.90	24.70				
20	25	12		25.00	24.97	24.57				
20	1	0		23.97	23.96	23.53				
20	1	50		24.01	23.91	23.52				
20	50	0		23.99	23.94	23.55				
20	1	1	16-QAM	23.69	23.93	23.43	22.03	0.1596		
20	1	1	64-QAM	22.52	22.48	21.90				
20	1	1	256-QAM	20.32	21.10	19.70				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	25.09	25.02	24.60	23.25	0.2113		
30	1	76		25.03	24.93	24.72				
30	36	18		25.15	24.99	24.65				
30	1	0		24.57	24.49	24.10				
30	1	77		24.54	24.53	24.23				
30	75	0		24.61	24.45	24.12				
30	1	1	QPSK	25.12	24.97	24.50			22.20	0.1660
30	1	76		25.09	24.91	24.66				
30	36	18		25.12	24.98	24.65				
30	1	0		24.11	23.99	23.56				
30	1	77		24.05	23.92	23.73				
30	75	0		24.11	23.94	23.62				
30	1	1	16-QAM	24.10	23.84	23.49	22.20	0.1660		
30	1	1	64-QAM	22.63	22.54	22.08				
30	1	1	256-QAM	20.59	20.48	20.17				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	24.94	24.93	24.55	23.10	0.2042		
40	1	104		24.90	24.89	24.65				
40	50	25		25.00	24.95	24.53				
40	1	0		24.44	24.45	24.01				
40	1	105		24.40	24.37	24.16				
40	100	0		24.45	24.45	24.05				
40	1	1	QPSK	24.93	24.92	24.51			23.10	0.2042
40	1	104		24.84	24.84	24.61				
40	50	25		25.00	24.97	24.51				
40	1	0		23.90	23.92	23.55				
40	1	105		23.90	23.87	23.66				
40	100	0		23.95	23.94	23.52				
40	1	1	16-QAM	24.11	24.17	23.45	22.27	0.1687		
40	1	1	64-QAM	22.35	22.69	21.90				
40	1	1	256-QAM	20.19	20.37	19.79				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	24.97	24.91	24.75	23.18	0.2080		
50	1	131		24.89	24.87	24.65				
50	64	32		25.08	24.97	24.59				
50	1	0		24.51	24.41	24.26				
50	1	132		24.37	24.37	24.12				
50	128	0		24.54	24.45	24.12				
50	1	1	QPSK	24.99	24.90	24.74			23.18	0.2080
50	1	131		24.86	24.85	24.64				
50	64	32		25.07	24.96	24.61				
50	1	0		23.97	23.87	23.81				
50	1	132		23.91	23.81	23.68				
50	128	0		24.01	23.94	23.63				
50	1	1	16-QAM	24.05	23.97	23.67	22.15	0.1641		
50	1	1	64-QAM	22.28	22.35	22.34				
50	1	1	256-QAM	20.20	20.44	20.38				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	24.86	24.84	24.67	23.06	0.2023
60	1	160		24.85	24.82	24.62		
60	81	40		24.91	24.94	24.55		
60	1	0		24.39	24.36	24.18		
60	1	161		24.36	24.31	24.13		
60	162	0		24.42	24.38	24.07		
60	1	1	QPSK	24.89	24.90	24.67	23.06	0.2023
60	1	160		24.82	24.86	24.64		
60	81	40		24.94	24.96	24.55		
60	1	0		23.79	23.91	23.65		
60	1	161		23.94	23.89	23.56		
60	162	0		23.93	23.90	23.58		
60	1	1	16-QAM	23.76	23.45	23.58	21.86	0.1535
60	1	1	64-QAM	22.49	22.39	22.27		
60	1	1	256-QAM	20.36	20.26	20.01		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	24.80	24.75	24.64	23.05	0.2018
80	1	215		24.86	24.75	24.59		
80	108	54		24.90	24.95	24.63		
80	1	0		24.31	24.25	24.14		
80	1	216		24.34	24.25	24.08		
80	216	0		24.40	24.37	24.09		
80	1	1	QPSK	24.82	24.77	24.69		
80	1	215		24.88	24.71	24.57		
80	108	54		24.92	24.95	24.62		
80	1	0		23.83	23.81	23.64		
80	1	216		23.80	23.70	23.55		
80	216	0		23.92	23.87	23.61		
80	1	1	16-QAM	23.77	23.64	23.49	21.87	0.1538
80	1	1	64-QAM	22.27	22.22	22.19		
80	1	1	256-QAM	20.34	21.31	20.01		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	24.91	24.75	24.70	23.10	0.2042
90	1	243		24.73	24.71	24.54		
90	120	60		25.00	24.93	24.80		
90	1	0		24.37	24.24	24.15		
90	1	244		24.23	24.20	24.02		
90	240	0		24.45	24.31	24.18		
90	1	1	QPSK	24.87	24.67	24.69		
90	1	243		24.79	24.65	24.52		
90	120	60		24.99	24.95	24.77		
90	1	0		23.88	23.76	23.66		
90	1	244		23.77	23.72	23.50		
90	240	0		23.94	23.83	23.72		
90	1	1	16-QAM	23.67	23.63	23.59	21.77	0.1503
90	1	1	64-QAM	22.44	22.21	22.31		
90	1	1	256-QAM	20.43	21.69	20.31		
Limit	EIRP < 2W			Result			Pass	





NR n41 Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	24.82	24.69	24.65	23.01	0.2000
100	1	271		24.80	24.64	24.61		
100	135	67		24.85	24.89	24.74		
100	1	0		24.32	24.19	24.17		
100	1	272		24.30	24.13	24.15		
100	270	0		24.34	24.31	24.20		
100	1	1	QPSK	24.76	24.69	24.60	23.01	0.2000
100	1	271		24.72	24.64	24.58		
100	135	67		24.82	24.91	24.75		
100	1	0		23.80	23.67	23.61		
100	1	272		23.77	23.65	23.60		
100	270	0		23.82	23.77	23.69		
100	1	1	16-QAM	23.83	23.69	23.61	21.93	0.1560
100	1	1	64-QAM	22.45	22.34	22.26		
100	1	1	256-QAM	20.12	22.27	20.09		
Limit	EIRP < 2W			Result			Pass	



NR n2 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.41	24.68	24.50	25.01	0.3170		
5	1	23		24.37	24.71	24.52				
5	12	6		24.35	24.70	24.48				
5	1	0		23.91	24.20	24.00				
5	1	24		23.87	24.23	23.99				
5	25	0		23.88	24.20	23.99				
5	1	1	QPSK	24.37	24.61	24.48			24.07	0.2553
5	1	23		24.35	24.66	24.57				
5	12	6		24.34	24.68	24.48				
5	1	0		23.39	23.64	23.48				
5	1	24		23.37	23.71	23.49				
5	25	0		23.36	23.72	23.51				
5	1	1	16-QAM	23.53	23.77	23.71	24.07	0.2553		
5	1	1	64-QAM	21.61	22.26	22.14				
5	1	1	256-QAM	18.25	18.64	18.57				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.48	24.63	24.58	25.05	0.3199		
10	1	50		24.45	24.75	24.54				
10	25	12		24.46	24.73	24.58				
10	1	0		24.00	24.14	24.07				
10	1	51		23.99	24.23	24.03				
10	50	0		23.95	24.20	24.03				
10	1	1	QPSK	24.46	24.57	24.53			23.80	0.2399
10	1	50		24.44	24.69	24.49				
10	25	12		24.45	24.70	24.54				
10	1	0		23.45	23.61	23.56				
10	1	51		23.43	23.69	23.55				
10	50	0		23.46	23.69	23.51				
10	1	1	16-QAM	23.50	23.36	23.33	23.80	0.2399		
10	1	1	64-QAM	22.02	22.23	22.17				
10	1	1	256-QAM	18.59	18.62	18.54				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.44	24.61	24.50	25.00	0.3162		
15	1	77		24.52	24.68	24.43				
15	36	18		24.43	24.70	24.46				
15	1	0		23.91	24.06	24.03				
15	1	78		24.00	24.16	23.93				
15	75	0		23.91	24.18	23.94				
15	1	1	QPSK	24.38	24.60	24.53			24.06	0.2547
15	1	77		24.48	24.67	24.46				
15	36	18		24.40	24.69	24.46				
15	1	0		23.41	23.54	23.52				
15	1	78		23.49	23.64	23.35				
15	75	0		23.38	23.71	23.44				
15	1	1	16-QAM	23.50	23.76	23.54	24.06	0.2547		
15	1	1	64-QAM	21.95	22.06	21.92				
15	1	1	256-QAM	18.52	18.56	18.46				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.34	24.50	24.55	25.01	0.3170		
20	1	104		24.56	24.63	24.38				
20	50	25		24.43	24.71	24.53				
20	1	0		23.79	24.00	24.06				
20	1	105		24.08	24.11	23.88				
20	100	0		23.91	24.18	24.03				
20	1	1	QPSK	24.30	24.44	24.50			23.76	0.2377
20	1	104		24.51	24.64	24.34				
20	50	25		24.42	24.71	24.52				
20	1	0		23.28	23.46	23.55				
20	1	105		23.54	23.63	23.36				
20	100	0		23.39	23.67	23.52				
20	1	1	16-QAM	23.25	23.46	21.99	23.76	0.2377		
20	1	1	64-QAM	21.91	22.18	21.94				
20	1	1	256-QAM	18.33	18.49	18.56				
Limit	EIRP < 2W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = -3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.38	24.44	23.45	18.98	0.0791
5	1	23		24.36	24.49	24.63		
5	12	6		24.36	24.44	24.56		
5	1	0		23.84	23.94	24.00		
5	1	24		23.84	24.01	24.10		
5	25	0		23.80	23.95	24.03		
5	1	1	QPSK	24.35	24.41	24.44		
5	1	23		24.37	24.41	24.61		
5	12	6		24.37	24.45	24.57		
5	1	0		23.33	23.47	23.51		
5	1	24		23.32	23.51	23.64		
5	25	0		23.39	23.44	23.55		
5	1	1	16-QAM	23.57	23.31	23.63	17.98	0.0628
5	1	1	64-QAM	22.04	22.06	22.21		
5	1	1	256-QAM	20.11	19.91	20.03		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.41	24.41	24.35	18.90	0.0776
10	1	50		24.43	24.52	23.56		
10	25	12		24.38	24.46	24.43		
10	1	0		23.85	23.89	23.87		
10	1	51		23.88	23.99	24.05		
10	50	0		23.80	23.96	23.92		
10	1	1	QPSK	24.35	24.42	24.28		
10	1	50		24.35	24.47	24.55		
10	25	12		24.39	24.46	24.43		
10	1	0		23.37	23.34	23.34		
10	1	51		23.41	23.53	23.47		
10	50	0		23.40	23.44	23.42		
10	1	1	16-QAM	23.53	23.51	23.28	17.88	0.0614
10	1	1	64-QAM	21.83	21.78	21.97		
10	1	1	256-QAM	19.99	19.85	20.07		
Limit	ERP < 7W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = -3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.37	24.40	24.37	18.96	0.0787
15	1	77		24.43	24.52	24.61		
15	36	18		24.39	24.40	24.41		
15	1	0		23.85	23.87	23.85		
15	1	78		23.95	24.06	24.07		
15	75	0		23.90	23.99	23.93		
15	1	1	QPSK	24.33	24.33	24.33		
15	1	77		24.42	24.45	24.52		
15	36	18		24.38	24.45	24.41		
15	1	0		23.34	23.32	23.25		
15	1	78		23.42	23.47	23.49		
15	75	0		23.39	23.48	23.45		
15	1	1	16-QAM	23.41	23.51	23.39	17.86	0.0611
15	1	1	64-QAM	21.92	21.85	21.94		
15	1	1	256-QAM	20.08	19.91	19.88		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.26	24.39	24.33	18.97	0.0789
20	1	104		24.44	24.57	24.62		
20	50	25		24.37	24.48	24.47		
20	1	0		23.73	23.88	23.83		
20	1	105		23.95	24.08	24.12		
20	100	0		23.83	23.95	23.95		
20	1	1	QPSK	24.25	24.31	24.30		
20	1	104		24.42	24.57	24.61		
20	50	25		24.37	24.44	24.44		
20	1	0		23.27	23.35	23.31		
20	1	105		23.41	23.55	23.51		
20	100	0		23.36	23.44	23.43		
20	1	1	16-QAM	23.33	23.41	23.32	17.76	0.0597
20	1	1	64-QAM	21.69	21.98	21.71		
20	1	1	256-QAM	20.04	19.91	19.81		
Limit	ERP < 7W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = 0.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.57	24.29	24.36	25.08	0.3221
5	1	23		24.51	24.27	24.31		
5	12	6		24.50	24.26	24.33		
5	1	0		24.05	23.81	23.86		
5	1	24		24.03	23.79	23.83		
5	25	0		24.00	23.76	23.81		
5	1	1	QPSK	24.58	24.26	24.33		
5	1	23		24.46	24.22	24.31		
5	12	6		24.53	24.26	24.32		
5	1	0		23.57	23.19	23.31		
5	1	24		23.55	23.18	23.36		
5	25	0		23.55	23.28	23.33		
5	1	1	16-QAM	23.64	23.41	23.62	24.14	0.2594
5	1	1	64-QAM	21.99	21.84	21.73		
5	1	1	256-QAM	20.11	19.85	19.67		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 0.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.45	24.29	24.39	24.95	0.3126
10	1	50		24.39	24.29	24.30		
10	25	12		24.42	24.27	24.33		
10	1	0		23.95	23.79	23.84		
10	1	51		23.90	23.79	23.80		
10	50	0		23.88	23.76	23.61		
10	1	1	QPSK	24.42	24.30	24.30		
10	1	50		24.40	24.32	24.25		
10	25	12		24.40	24.25	24.32		
10	1	0		23.51	23.32	23.35		
10	1	51		23.46	23.31	23.31		
10	50	0		23.40	23.26	23.33		
10	1	1	16-QAM	23.51	23.44	23.43	24.01	0.2518
10	1	1	64-QAM	21.99	21.91	21.92		
10	1	1	256-QAM	20.09	19.74	19.78		
Limit	EIRP < 2W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = 0.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.45	24.30	24.48	25.02	0.3177		
15	1	77		24.36	24.28	24.40				
15	36	18		24.43	24.31	24.52				
15	1	0		23.96	23.82	23.99				
15	1	78		23.85	23.80	23.93				
15	75	0		23.89	23.81	24.00				
15	1	1	QPSK	24.45	24.25	24.46			25.02	0.3177
15	1	77		24.39	24.23	24.35				
15	36	18		24.43	24.32	24.50				
15	1	0		23.49	23.27	23.49				
15	1	78		23.41	23.31	23.42				
15	75	0		23.45	23.28	23.50				
15	1	1	16-QAM	23.39	23.29	23.51	24.01	0.2518		
15	1	1	64-QAM	22.02	21.77	22.01				
15	1	1	256-QAM	20.19	19.84	20.13				
Limit	EIRP < 2W			Result			Pass			

NR n7 Maximum Average Power [dBm] (GT - LC = 0.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.53	24.30	24.44	25.03	0.3184		
20	1	104		24.38	24.30	24.41				
20	50	25		24.46	24.32	24.50				
20	1	0		23.99	23.80	23.94				
20	1	105		23.85	23.77	23.89				
20	100	0		23.93	23.82	24.00				
20	1	1	QPSK	24.49	24.24	24.43			25.03	0.3184
20	1	104		24.36	24.21	24.35				
20	50	25		24.46	24.32	24.50				
20	1	0		23.49	23.29	23.44				
20	1	105		23.39	23.27	23.36				
20	100	0		23.47	23.32	23.51				
20	1	1	16-QAM	23.57	23.40	23.41	24.07	0.2553		
20	1	1	64-QAM	22.09	21.92	21.92				
20	1	1	256-QAM	20.07	19.82	19.95				
Limit	EIRP < 2W			Result			Pass			



NR n12 Maximum Average Power [dBm] (GT - LC = -1.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.72	24.82	24.67	20.87	0.1222		
5	1	23		24.76	24.77	24.62				
5	12	6		24.71	24.76	24.63				
5	1	0		24.23	24.31	24.17				
5	1	24		24.26	24.28	24.11				
5	25	0		24.18	24.29	24.14				
5	1	1	QPSK	24.71	24.77	24.62			19.96	0.0991
5	1	23		24.71	24.77	24.56				
5	12	6		24.70	24.75	24.67				
5	1	0		23.68	23.84	23.64				
5	1	24		23.72	23.77	23.63				
5	25	0		23.73	23.76	23.66				
5	1	1	16-QAM	23.57	23.91	23.74	19.96	0.0991		
5	1	1	64-QAM	22.28	22.37	22.15				
5	1	1	256-QAM	20.33	20.29	20.39				
Limit	ERP < 3W			Result			Pass			

NR n12 Maximum Average Power [dBm] (GT - LC = -1.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	24.64	24.71	24.69	20.76	0.1191		
10	1	50		24.63	24.64	24.61				
10	25	12		24.63	24.68	24.64				
10	1	0		24.11	24.21	24.21				
10	1	51		24.17	24.15	24.09				
10	50	0		24.13	24.14	24.13				
10	1	1	QPSK	24.64	24.69	24.62			19.79	0.0953
10	1	50		24.62	24.60	24.61				
10	25	12		24.66	24.66	24.64				
10	1	0		23.62	23.69	23.69				
10	1	51		23.66	23.63	23.64				
10	50	0		23.67	23.66	23.64				
10	1	1	16-QAM	23.74	23.61	23.63	19.79	0.0953		
10	1	1	64-QAM	22.30	22.31	22.22				
10	1	1	256-QAM	20.19	20.52	20.13				
Limit	ERP < 3W			Result			Pass			





NR n12 Maximum Average Power [dBm] (GT - LC = -1.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.77	24.63	23.44	20.85	0.1216
15	1	77		24.72	24.63	24.62		
15	36	18		24.80	24.76	24.74		
15	1	0		24.23	24.21	24.23		
15	1	78		24.20	24.14	24.16		
15	75	0		24.26	24.25	24.22		
15	1	1	QPSK	24.68	24.67	24.72	19.88	0.0973
15	1	77		24.66	24.61	24.63		
15	36	18		24.78	24.78	24.73		
15	1	0		23.72	23.71	23.73		
15	1	78		23.72	23.67	23.65		
15	75	0		23.75	23.76	23.71		
15	1	1	16-QAM	23.72	23.83	23.56	19.88	0.0973
15	1	1	64-QAM	22.08	22.34	22.18		
15	1	1	256-QAM	20.12	20.30	20.31		
Limit	ERP < 3W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.50	24.78	24.58	25.11	0.3243		
5	1	23		24.49	24.81	24.56				
5	12	6		24.49	24.78	24.56				
5	1	0		24.02	24.27	24.07				
5	1	24		24.01	24.29	24.08				
5	25	0		23.98	24.28	24.06				
5	1	1	QPSK	24.48	24.73	24.58			24.14	0.2594
5	1	23		24.52	24.74	24.60				
5	12	6		24.44	24.77	24.56				
5	1	0		23.54	23.68	23.56				
5	1	24		23.47	23.74	23.55				
5	25	0		23.49	23.77	23.57				
5	1	1	16-QAM	23.33	23.84	23.55	24.14	0.2594		
5	1	1	64-QAM	22.01	22.21	21.77				
5	1	1	256-QAM	18.54	18.62	18.64				
Limit	EIRP < 2W			Result			Pass			

NR n25 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.59	24.76	24.57	25.12	0.3251		
10	1	50		24.60	24.78	24.61				
10	25	12		24.56	24.82	24.59				
10	1	0		24.13	24.24	24.06				
10	1	51		24.09	24.28	24.10				
10	50	0		24.07	24.27	24.09				
10	1	1	QPSK	24.57	24.78	24.48			24.24	0.2655
10	1	50		24.55	24.77	24.55				
10	25	12		24.55	24.77	24.59				
10	1	0		23.60	23.69	23.45				
10	1	51		23.54	23.67	23.56				
10	50	0		23.54	23.80	23.56				
10	1	1	16-QAM	23.51	23.94	23.51	24.24	0.2655		
10	1	1	64-QAM	22.07	22.21	22.10				
10	1	1	256-QAM	18.71	18.64	18.47				
Limit	EIRP < 2W			Result			Pass			



NR n25 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.53	24.66	24.60	25.09	0.3228		
15	1	77		24.60	24.75	24.34				
15	36	18		24.54	24.79	24.61				
15	1	0		24.03	24.14	24.06				
15	1	78		24.11	24.27	24.12				
15	75	0		24.03	24.26	24.13				
15	1	1	QPSK	24.54	24.63	24.58			24.14	0.2594
15	1	77		24.65	24.71	24.59				
15	36	18		24.54	24.77	24.61				
15	1	0		23.53	23.63	23.52				
15	1	78		23.62	23.74	23.60				
15	75	0		23.52	23.77	23.60				
15	1	1	16-QAM	23.55	23.84	23.45	24.14	0.2594		
15	1	1	64-QAM	21.90	22.24	22.03				
15	1	1	256-QAM	18.61	18.79	18.75				
Limit	EIRP < 2W			Result			Pass			

NR n25 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.41	24.57	24.64	25.05	0.3199		
20	1	104		24.62	24.72	24.54				
20	50	25		24.51	24.73	24.64				
20	1	0		23.94	24.04	24.13				
20	1	105		24.10	24.15	24.01				
20	100	0		24.01	24.22	24.13				
20	1	1	QPSK	24.36	24.53	24.44			23.91	0.2460
20	1	104		24.58	24.62	24.37				
20	50	25		24.51	24.75	24.66				
20	1	0		23.35	23.59	23.56				
20	1	105		23.57	23.69	23.43				
20	100	0		23.52	23.71	23.60				
20	1	1	16-QAM	23.35	23.61	23.55	23.91	0.2460		
20	1	1	64-QAM	21.97	22.14	22.13				
20	1	1	256-QAM	18.31	18.62	18.53				
Limit	EIRP < 2W			Result			Pass			



NR n38 Maximum Average Power [dBm] (GT - LC = -1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.69	24.64	24.60	23.53	0.2254
10	1	22		24.71	24.67	24.68		
10	12	6		24.70	24.67	24.69		
10	1	0		24.15	24.11	24.07		
10	1	23		24.23	24.11	24.21		
10	24	0		24.23	24.17	24.21		
10	1	1	QPSK	24.67	24.64	24.64		
10	1	22		24.73	24.60	24.71		
10	12	6		24.72	24.64	24.70		
10	1	0		23.71	23.66	23.67		
10	1	23		23.69	23.63	23.71		
10	24	0		23.74	23.65	23.67		
10	1	1	16-QAM	23.85	23.67	23.55	22.65	0.1841
10	1	1	64-QAM	22.21	22.13	22.31		
10	1	1	256-QAM	20.37	19.99	20.11		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.74	24.63	24.77	23.65	0.2317
15	1	36		24.76	24.61	24.81		
15	18	9		24.78	24.71	24.85		
15	1	0		24.25	24.14	24.31		
15	1	37		24.27	24.15	24.33		
15	36	0		24.25	24.18	24.35		
15	1	1	QPSK	24.71	24.66	24.76		
15	1	36		24.70	24.66	24.78		
15	18	9		24.78	24.69	24.84		
15	1	0		23.74	23.62	23.74		
15	1	37		23.67	23.64	23.81		
15	36	0		23.77	23.65	23.82		
15	1	1	16-QAM	23.77	23.67	23.94	22.74	0.1879
15	1	1	64-QAM	22.26	22.16	22.26		
15	1	1	256-QAM	20.12	20.02	20.14		
Limit	EIRP < 2W			Result			Pass	



NR n38 Maximum Average Power [dBm] (GT - LC = -1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.65	24.61	24.70	23.91	0.2460
20	1	49		24.61	24.62	24.75		
20	25	12		24.73	24.61	25.11		
20	1	0		24.17	24.11	24.22		
20	1	50		24.11	24.12	24.22		
20	50	0		24.24	24.10	24.26		
20	1	1	QPSK	24.77	24.60	24.65	23.91	0.2460
20	1	49		24.73	24.57	24.72		
20	25	12		24.74	24.61	24.76		
20	1	0		23.74	23.56	23.68		
20	1	50		23.71	23.57	23.75		
20	50	0		23.76	23.59	23.73		
20	1	1	16-QAM	23.64	23.52	23.82	22.62	0.1828
20	1	1	64-QAM	22.32	22.14	22.31		
20	1	1	256-QAM	20.20	20.02	20.30		
Limit	EIRP < 2W			Result			Pass	



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	26.47	26.95	26.85	25.05	0.3199		
10	1	22		26.52	26.93	26.93				
10	12	6		26.43	26.94	26.86				
10	1	0		22.93	23.44	23.35				
10	1	23		22.98	23.51	23.44				
10	24	0		24.45	24.94	24.91				
10	1	1	QPSK	26.41	26.93	26.79			23.97	0.2495
10	1	22		26.50	26.94	26.84				
10	12	6		26.44	26.91	26.85				
10	1	0		22.91	23.40	23.37				
10	1	23		23.01	23.41	23.41				
10	24	0		23.48	23.91	23.90				
10	1	1	16-QAM	25.48	25.87	25.81	23.97	0.2495		
10	1	1	64-QAM	24.01	24.30	24.45				
10	1	1	256-QAM	21.71	22.34	22.33				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	26.42	26.84	26.92	25.13	0.3258		
15	1	36		26.50	26.90	27.01				
15	18	9		26.51	26.91	27.03				
15	1	0		22.91	23.41	23.53				
15	1	37		23.04	23.46	23.57				
15	36	0		24.51	24.95	25.05				
15	1	1	QPSK	26.41	26.90	26.94			24.09	0.2564
15	1	36		26.52	26.95	27.00				
15	18	9		26.50	26.94	27.02				
15	1	0		22.96	23.35	23.47				
15	1	37		23.06	23.41	23.53				
15	36	0		23.51	23.98	24.01				
15	1	1	16-QAM	25.40	25.99	25.94	24.09	0.2564		
15	1	1	64-QAM	24.01	24.61	24.32				
15	1	1	256-QAM	21.91	22.23	22.42				
Limit	EIRP < 2W			Result			Pass			



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	26.22	26.88	26.85	25.08	0.3221		
20	1	49		26.42	26.90	26.97				
20	25	12		26.37	26.91	26.96				
20	1	0		22.74	23.44	23.38				
20	1	50		22.93	23.51	23.51				
20	50	0		24.41	24.99	24.70				
20	1	1	QPSK	26.24	26.91	26.88			24.11	0.2576
20	1	49		26.41	26.96	26.98				
20	25	12		26.36	26.93	26.96				
20	1	0		22.74	23.40	23.43				
20	1	50		22.91	23.47	23.52				
20	50	0		23.41	23.92	23.98				
20	1	1	16-QAM	25.05	25.91	26.01	24.11	0.2576		
20	1	1	64-QAM	23.60	24.40	24.52				
20	1	1	256-QAM	21.85	22.39	22.31				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	26.31	26.83	26.91	25.16	0.3281		
30	1	76		26.48	26.89	27.01				
30	36	18		26.45	26.91	27.04				
30	1	0		22.76	23.31	23.50				
30	1	77		23.01	23.40	23.60				
30	75	0		24.50	24.92	25.08				
30	1	1	QPSK	26.33	26.81	26.92			24.14	0.2594
30	1	76		26.50	26.87	27.01				
30	36	18		26.44	26.91	27.06				
30	1	0		22.83	23.31	23.47				
30	1	77		23.02	23.40	23.56				
30	75	0		23.47	23.96	24.10				
30	1	1	16-QAM	25.37	25.90	26.04	24.14	0.2594		
30	1	1	64-QAM	23.84	24.25	24.37				
30	1	1	256-QAM	21.85	22.31	22.50				
Limit	EIRP < 2W			Result			Pass			



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.20	26.80	26.88	25.14	0.3266		
40	1	104		26.47	26.91	27.04				
40	50	25		26.40	26.94	26.96				
40	1	0		22.66	23.33	23.38				
40	1	105		22.95	23.41	23.57				
40	100	0		24.40	24.96	24.94				
40	1	1	QPSK	26.21	26.74	26.73			24.14	0.2594
40	1	104		26.41	26.91	26.99				
40	50	25		26.42	26.91	26.95				
40	1	0		22.66	23.31	23.37				
40	1	105		22.97	23.41	23.47				
40	100	0		23.44	23.91	23.95				
40	1	1	16-QAM	25.30	25.55	26.04	24.14	0.2594		
40	1	1	64-QAM	23.91	24.34	24.24				
40	1	1	256-QAM	21.56	22.35	22.36				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	26.24	26.77	27.00	25.27	0.3365		
50	1	131		26.63	26.93	27.11				
50	64	32		26.55	27.07	27.11				
50	1	0		22.76	23.32	23.44				
50	1	132		23.11	23.41	23.68				
50	128	0		24.55	25.01	25.08				
50	1	1	QPSK	26.30	26.79	26.91			24.01	0.2518
50	1	131		26.55	26.91	27.17				
50	64	32		26.55	27.11	27.10				
50	1	0		22.74	23.33	23.41				
50	1	132		23.14	23.44	23.56				
50	128	0		23.56	24.01	24.10				
50	1	1	16-QAM	25.30	25.85	25.91	24.01	0.2518		
50	1	1	64-QAM	23.94	24.65	24.66				
50	1	1	256-QAM	21.80	22.31	22.30				
Limit	EIRP < 2W			Result			Pass			





NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.03	26.78	26.75	25.19	0.3304
60	1	160		26.59	26.95	27.09		
60	81	40		26.47	27.06	27.00		
60	1	0		22.67	23.20	23.21		
60	1	161		23.17	23.40	23.55		
60	162	0		24.50	24.98	25.02		
60	1	1	QPSK	26.14	26.72	26.76	23.94	0.2477
60	1	160		26.64	26.85	27.06		
60	81	40		26.43	27.04	27.00		
60	1	0		22.59	23.20	23.29		
60	1	161		23.15	23.37	23.66		
60	162	0		23.51	23.96	26.77		
60	1	1	16-QAM	25.15	25.74	25.84	23.94	0.2477
60	1	1	64-QAM	23.84	24.37	24.61		
60	1	1	256-QAM	21.67	22.11	22.51		
Limit	EIRP < 2W			Result			Pass	



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.05	26.60	26.73	25.19	0.3304
80	1	215		26.72	26.63	27.09		
80	108	54		26.53	27.04	26.98		
80	1	0		22.61	23.06	23.23		
80	1	216		23.23	23.33	23.54		
80	216	0		24.50	24.88	25.00		
80	1	1	QPSK	26.13	26.55	26.74		
80	1	215		26.75	26.81	27.07		
80	108	54		26.51	27.01	26.99		
80	1	0		22.51	23.11	23.31		
80	1	216		23.17	23.31	23.51		
80	216	0		23.45	23.86	23.95		
80	1	1	16-QAM	25.14	25.60	25.70	23.80	0.2399
80	1	1	64-QAM	23.77	24.25	24.24		
80	1	1	256-QAM	21.32	22.22	22.12		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	26.19	26.50	26.73	25.18	0.3296
90	1	243		26.82	26.74	26.96		
90	120	60		26.64	26.99	27.08		
90	1	0		22.65	23.00	23.26		
90	1	244		23.32	23.26	23.47		
90	240	0		24.57	24.83	24.99		
90	1	1	QPSK	26.11	26.45	26.89		
90	1	243		26.74	26.83	27.04		
90	120	60		26.65	27.00	27.08		
90	1	0		22.57	23.04	23.31		
90	1	244		23.26	23.35	23.56		
90	240	0		23.58	23.87	24.06		
90	1	1	16-QAM	25.16	25.55	25.80	23.90	0.2455
90	1	1	64-QAM	23.50	24.22	24.20		
90	1	1	256-QAM	21.42	22.00	22.04		
Limit	EIRP < 2W			Result			Pass	



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	26.07	26.44	26.74	25.23	0.3334
100	1	271		26.90	26.79	27.10		
100	135	67		26.61	27.00	27.03		
100	1	0		22.51	22.97	23.25		
100	1	272		23.38	23.31	23.56		
100	270	0		24.55	24.85	24.97		
100	1	1	QPSK	26.11	26.43	26.75	23.86	0.2432
100	1	271		26.95	26.81	27.13		
100	135	67		26.57	26.99	27.02		
100	1	0		22.57	22.97	23.24		
100	1	272		23.40	23.24	23.64		
100	270	0		23.55	23.83	24.02		
100	1	1	16-QAM	25.40	25.41	25.76	23.86	0.2432
100	1	1	64-QAM	23.81	23.71	24.44		
100	1	1	256-QAM	21.74	21.82	22.35		
Limit	EIRP < 2W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 0 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.70	24.80	24.90	24.95	0.3126		
5	1	23		24.74	24.78	24.95				
5	12	6		24.68	24.76	24.91				
5	1	0		24.22	24.28	24.38				
5	1	24		24.23	24.29	24.43				
5	25	0		24.22	24.25	24.41				
5	1	1	QPSK	24.69	24.80	24.82			23.90	0.2455
5	1	23		24.68	24.78	24.86				
5	12	6		24.67	24.79	24.88				
5	1	0		23.67	23.77	23.86				
5	1	24		23.69	23.79	23.90				
5	25	0		23.70	23.80	23.89				
5	1	1	16-QAM	23.72	23.74	23.90	23.90	0.2455		
5	1	1	64-QAM	22.23	22.33	22.43				
5	1	1	256-QAM	18.57	18.75	18.94				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 0 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.77	24.79	24.85	24.94	0.3119		
10	1	50		24.82	24.83	24.94				
10	25	12		24.79	24.81	24.91				
10	1	0		24.27	24.29	24.38				
10	1	51		24.35	24.33	24.42				
10	50	0		24.30	24.29	24.40				
10	1	1	QPSK	24.71	24.79	24.80			23.82	0.2410
10	1	50		24.79	24.86	24.94				
10	25	12		24.81	24.81	24.92				
10	1	0		23.75	23.77	23.82				
10	1	51		23.82	23.81	23.93				
10	50	0		23.80	23.81	23.91				
10	1	1	16-QAM	23.72	23.75	23.82	23.82	0.2410		
10	1	1	64-QAM	22.23	22.41	22.54				
10	1	1	256-QAM	18.87	18.74	19.07				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 0 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.65	24.72	24.65	24.81	0.3027		
15	1	77		24.79	24.81	24.81				
15	36	18		24.76	24.78	24.70				
15	1	0		24.22	24.24	24.15				
15	1	78		24.32	24.31	24.29				
15	75	0		24.25	24.30	24.24				
15	1	1	QPSK	24.72	24.72	24.60			23.81	0.2404
15	1	77		24.81	24.74	24.76				
15	36	18		24.77	24.78	24.77				
15	1	0		23.69	23.71	23.56				
15	1	78		23.78	23.74	23.73				
15	75	0		23.77	23.79	23.75				
15	1	1	16-QAM	23.81	23.74	23.69	23.81	0.2404		
15	1	1	64-QAM	22.47	22.29	22.17				
15	1	1	256-QAM	18.74	18.74	18.70				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 0 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.59	24.69	24.58	24.84	0.3048		
20	1	104		24.77	24.74	24.79				
20	50	25		24.75	24.83	24.79				
20	1	0		24.08	24.19	24.11				
20	1	105		24.24	24.23	24.29				
20	100	0		24.23	24.27	24.28				
20	1	1	QPSK	24.58	24.61	24.52			23.68	0.2333
20	1	104		24.73	24.69	24.78				
20	50	25		24.75	24.84	24.78				
20	1	0		23.57	23.60	23.58				
20	1	105		23.72	23.72	23.76				
20	100	0		23.73	23.78	23.78				
20	1	1	16-QAM	23.35	23.68	23.61	23.68	0.2333		
20	1	1	64-QAM	22.05	21.97	22.17				
20	1	1	256-QAM	18.49	18.61	18.55				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 0 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.18	24.34	24.30	24.64	0.2911		
30	1	158		24.33	24.41	24.46				
30	80	40		24.52	24.63	24.62				
30	1	0		23.58	23.79	23.76				
30	1	159		23.83	23.91	23.99				
30	160	0		24.02	24.04	24.06				
30	1	1	QPSK	24.12	24.27	24.23			23.26	0.2118
30	1	158		24.31	24.41	24.47				
30	80	40		24.55	24.64	24.61				
30	1	0		23.17	23.27	23.24				
30	1	159		23.33	23.31	23.47				
30	160	0		23.47	23.53	23.57				
30	1	1	16-QAM	23.13	23.16	23.26	23.26	0.2118		
30	1	1	64-QAM	21.51	21.57	21.88				
30	1	1	256-QAM	18.04	18.20	18.40				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 0 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	23.89	23.96	23.97	24.62	0.2897		
40	1	214		24.17	24.17	24.31				
40	108	54		24.56	24.54	24.61				
40	1	0		23.40	23.42	23.44				
40	1	215		23.64	23.66	23.80				
40	216	0		23.91	23.90	23.98				
40	1	1	QPSK	23.88	23.97	23.88			23.14	0.2061
40	1	214		24.19	24.24	24.23				
40	108	54		24.57	24.61	24.62				
40	1	0		22.91	23.01	22.81				
40	1	215		23.19	23.18	23.19				
40	216	0		23.40	23.46	23.48				
40	1	1	16-QAM	22.76	22.39	23.14	23.14	0.2061		
40	1	1	64-QAM	21.66	21.11	21.55				
40	1	1	256-QAM	17.75	17.55	18.08				
Limit	EIRP < 1W			Result			Pass			



NR n71 Maximum Average Power [dBm] (GT - LC = -3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.80	24.63	24.81	19.50	0.0891		
5	1	23		24.79	24.21	24.85				
5	12	6		24.73	24.60	24.82				
5	1	0		24.30	24.13	24.33				
5	1	24		24.25	24.19	24.36				
5	25	0		24.24	24.10	24.30				
5	1	1	QPSK	24.77	24.60	24.73			18.41	0.0693
5	1	23		24.75	24.64	24.79				
5	12	6		24.73	24.59	24.79				
5	1	0		23.78	23.61	23.80				
5	1	24		23.74	23.64	23.81				
5	25	0		23.76	23.58	23.81				
5	1	1	16-QAM	23.70	23.76	23.56	18.41	0.0693		
5	1	1	64-QAM	22.24	22.13	22.22				
5	1	1	256-QAM	20.45	20.14	20.36				
Limit	ERP < 3W			Result			Pass			

NR n71 Maximum Average Power [dBm] (GT - LC = -3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	24.68	24.56	24.63	19.41	0.0873		
10	1	50		24.61	24.60	24.76				
10	25	12		24.66	24.62	24.74				
10	1	0		24.16	24.00	24.09				
10	1	51		24.07	24.11	24.22				
10	50	0		24.14	24.11	24.23				
10	1	1	QPSK	24.64	24.55	24.54			18.42	0.0695
10	1	50		24.62	24.60	24.73				
10	25	12		24.66	24.59	24.68				
10	1	0		23.63	23.52	23.61				
10	1	51		23.54	23.61	23.76				
10	50	0		23.68	23.59	23.70				
10	1	1	16-QAM	23.77	23.44	23.67	18.42	0.0695		
10	1	1	64-QAM	22.14	22.09	22.21				
10	1	1	256-QAM	20.13	19.93	20.14				
Limit	ERP < 3W			Result			Pass			



NR n71 Maximum Average Power [dBm] (GT - LC = -3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	24.54	24.53	24.51	19.44	0.0879		
15	1	77		24.54	24.64	24.79				
15	36	18		24.63	24.55	24.67				
15	1	0		24.10	23.99	24.00				
15	1	78		24.09	24.13	24.22				
15	75	0		23.94	24.06	24.13				
15	1	1	QPSK	24.61	24.45	24.47			19.44	0.0879
15	1	77		24.57	24.21	24.71				
15	36	18		24.61	24.08	24.65				
15	1	0		23.63	23.40	23.46				
15	1	78		23.56	23.62	23.73				
15	75	0		23.64	23.61	23.65				
15	1	1	16-QAM	23.69	23.51	23.50	18.34	0.0682		
15	1	1	64-QAM	22.21	22.17	22.00				
15	1	1	256-QAM	20.11	20.02	20.25				
Limit	ERP < 3W			Result			Pass			

NR n71 Maximum Average Power [dBm] (GT - LC = -3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	24.50	24.45	24.41	19.38	0.0867		
20	1	104		24.49	24.66	24.73				
20	50	25		24.49	24.14	24.63				
20	1	0		23.95	23.97	23.92				
20	1	105		24.01	24.17	24.19				
20	100	0		23.92	24.06	24.09				
20	1	1	QPSK	24.45	24.39	24.39			19.38	0.0867
20	1	104		24.48	24.63	24.70				
20	50	25		24.49	24.59	24.63				
20	1	0		23.47	23.46	23.44				
20	1	105		23.45	23.63	23.69				
20	100	0		23.51	23.56	23.59				
20	1	1	16-QAM	23.44	23.33	23.37	18.09	0.0644		
20	1	1	64-QAM	22.05	21.95	22.01				
20	1	1	256-QAM	20.09	20.04	19.92				
Limit	ERP < 3W			Result			Pass			





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NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.04	24.12	23.91	19.63	0.0918
10	1	22		24.01	24.12	23.94		
10	12	6		24.03	24.10	23.94		
10	1	0		22.72	22.83	22.59		
10	1	23		22.70	22.85	22.66		
10	24	0		23.04	23.08	22.91		
10	1	1	QPSK	24.24	24.33	24.11	18.79	0.0757
10	1	22		24.21	24.31	24.21		
10	12	6		24.23	24.31	24.13		
10	1	0		23.26	23.27	23.10		
10	1	23		23.23	23.30	23.18		
10	24	0		23.24	23.31	23.12		
10	1	1	16-QAM	23.42	23.49	23.04	18.79	0.0757
10	1	1	64-QAM	21.80	21.71	21.43		
10	1	1	256-QAM	19.60	19.63	19.50		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.04	24.05	24.06	19.60	0.0912
15	1	36		24.04	24.07	24.07		
15	18	9		24.05	24.07	24.09		
15	1	0		22.75	22.71	22.74		
15	1	37		22.78	22.72	22.75		
15	36	0		23.04	23.07	23.10		
15	1	1	QPSK	24.29	24.22	24.24	18.58	0.0721
15	1	36		24.28	24.25	24.27		
15	18	9		24.26	24.28	24.30		
15	1	0		23.29	23.24	23.29		
15	1	37		23.25	23.24	23.29		
15	36	0		23.27	23.28	23.31		
15	1	1	16-QAM	23.12	23.28	23.28	18.58	0.0721
15	1	1	64-QAM	21.75	21.65	21.64		
15	1	1	256-QAM	19.86	19.55	19.50		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.90	24.01	24.00	19.60	0.0912
20	1	49		23.84	24.07	24.02		
20	25	12		23.88	24.10	24.04		
20	1	0		22.60	22.75	22.70		
20	1	50		22.65	22.74	22.76		
20	50	0		22.90	23.07	23.01		
20	1	1	QPSK	24.03	24.30	24.15		
20	1	49		24.07	24.26	24.24		
20	25	12		24.09	24.30	24.26		
20	1	0		23.05	23.20	23.16		
20	1	50		23.07	23.23	23.26		
20	50	0		23.11	23.28	23.25		
20	1	1	16-QAM	23.13	23.25	23.10	18.55	0.0716
20	1	1	64-QAM	21.65	21.82	21.64		
20	1	1	256-QAM	19.58	19.55	19.46		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.95	24.04	24.08	19.61	0.0914
30	1	76		23.93	24.05	24.11		
30	36	18		24.00	24.10	24.12		
30	1	0		22.63	22.71	22.76		
30	1	77		22.64	22.71	22.80		
30	75	0		22.95	23.05	23.12		
30	1	1	QPSK	24.15	24.22	24.28		
30	1	76		24.14	24.23	24.31		
30	36	18		24.20	24.30	24.30		
30	1	0		23.15	23.21	23.27		
30	1	77		23.14	23.27	23.31		
30	75	0		23.10	23.26	23.31		
30	1	1	16-QAM	23.35	23.21	23.21	18.65	0.0733
30	1	1	64-QAM	21.68	21.73	21.72		
30	1	1	256-QAM	19.49	19.46	19.64		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	23.82	23.99	23.91	19.62	0.0916		
40	1	104		23.86	24.01	23.95				
40	50	25		23.88	24.08	24.02				
40	1	0		22.55	22.65	22.61				
40	1	105		22.57	22.68	22.70				
40	100	0		22.91	23.04	22.95				
40	1	1	QPSK	24.01	24.22	24.09			18.67	0.0736
40	1	104		24.07	24.15	24.17				
40	50	25		24.09	24.32	24.23				
40	1	0		23.02	23.19	23.12				
40	1	105		23.02	23.18	23.19				
40	100	0		23.11	23.24	23.23				
40	1	1	16-QAM	23.37	23.21	23.31	18.67	0.0736		
40	1	1	64-QAM	21.56	21.61	21.44				
40	1	1	256-QAM	19.33	19.57	19.57				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	23.96	24.00	24.11	19.70	0.0933		
50	1	131		23.98	24.14	24.12				
50	64	32		24.07	24.16	24.22				
50	1	0		22.70	22.71	22.84				
50	1	132		22.75	22.77	22.87				
50	128	0		23.06	23.09	23.19				
50	1	1	QPSK	24.10	24.14	24.26			18.57	0.0719
50	1	131		24.15	24.22	24.28				
50	64	32		24.25	24.36	24.40				
50	1	0		23.11	23.14	23.28				
50	1	132		23.18	23.23	23.27				
50	128	0		23.22	23.31	23.40				
50	1	1	16-QAM	23.27	23.03	23.27	18.57	0.0719		
50	1	1	64-QAM	21.86	21.70	21.71				
50	1	1	256-QAM	19.33	19.53	19.83				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	23.80	23.95	23.96	19.71	0.0935
60	1	160		23.84	24.04	24.10		
60	81	40		23.98	24.19	24.11		
60	1	0		22.47	22.57	22.64		
60	1	161		22.57	22.73	22.79		
60	162	0		22.96	23.10	23.10		
60	1	1	QPSK	24.05	24.16	24.17	19.71	0.0935
60	1	160		24.16	24.31	24.33		
60	81	40		24.17	24.41	24.31		
60	1	0		23.04	23.12	23.11		
60	1	161		23.13	23.26	23.27		
60	162	0		23.20	23.31	23.28		
60	1	1	16-QAM	23.00	23.00	23.11	18.41	0.0693
60	1	1	64-QAM	21.67	21.70	21.76		
60	1	1	256-QAM	19.41	19.55	19.52		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	23.74	23.81	23.91	19.66	0.0925
80	1	215		23.94	23.94	24.04		
80	108	54		23.95	24.15	24.12		
80	1	0		22.46	22.51	22.57		
80	1	216		22.64	22.67	22.72		
80	216	0		22.93	23.00	23.06		
80	1	1	QPSK	23.98	24.00	24.11		
80	1	215		24.12	24.17	24.19		
80	108	54		24.18	24.36	24.30		
80	1	0		22.97	22.99	23.06		
80	1	216		23.15	23.22	23.25		
80	216	0		23.15	23.21	23.29		
80	1	1	16-QAM	23.00	23.11	23.27	18.57	0.0719
80	1	1	64-QAM	21.24	21.54	21.57		
80	1	1	256-QAM	19.41	19.46	19.42		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	23.79	23.76	23.97	19.73	0.094
90	1	243		23.91	24.00	23.95		
90	120	60		24.04	24.13	24.25		
90	1	0		22.55	22.47	22.59		
90	1	244		22.64	22.65	22.64		
90	240	0		23.03	23.01	23.17		
90	1	1	QPSK	23.99	23.95	24.09		
90	1	243		24.10	24.16	24.17		
90	120	60		24.25	24.36	24.43		
90	1	0		23.01	22.95	23.10		
90	1	244		23.11	23.14	23.14		
90	240	0		23.20	23.21	23.36		
90	1	1	16-QAM	23.02	23.01	23.17	18.47	0.0703
90	1	1	64-QAM	21.51	21.40	21.61		
90	1	1	256-QAM	19.55	19.27	19.49		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	23.80	23.72	23.83	19.63	0.0918
100	1	271		24.01	23.95	24.06		
100	135	67		23.92	24.10	24.14		
100	1	0		22.41	22.45	22.51		
100	1	272		22.68	22.63	22.74		
100	270	0		22.81	22.92	23.13		
100	1	1	QPSK	23.97	23.90	23.99	19.63	0.0918
100	1	271		24.24	24.21	24.26		
100	135	67		24.11	24.32	24.33		
100	1	0		22.94	22.99	23.00		
100	1	272		23.21	23.17	23.20		
100	270	0		23.08	23.13	23.29		
100	1	1	16-QAM	23.06	23.10	23.01	18.40	0.0692
100	1	1	64-QAM	21.55	21.61	21.56		
100	1	1	256-QAM	19.39	19.18	19.59		
Limit	EIRP < 2W			Result			Pass	



NR n2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.15	24.12	24.01	25.00	0.3162		
5	1	23		24.20	24.09	23.99				
5	12	6		24.17	24.05	23.98				
5	1	0		23.70	23.60	23.51				
5	1	24		23.71	23.57	23.55				
5	25	0		23.65	23.57	23.48				
5	1	1	QPSK	24.15	24.07	23.97			24.01	0.2518
5	1	23		24.17	24.07	23.97				
5	12	6		24.16	24.10	23.98				
5	1	0		23.18	23.02	22.98				
5	1	24		23.19	23.04	22.92				
5	25	0		23.15	23.08	22.99				
5	1	1	16-QAM	23.21	23.15	23.01	24.01	0.2518		
5	1	1	64-QAM	21.60	21.54	21.45				
5	1	1	256-QAM	18.03	18.29	17.92				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.27	24.03	24.04	25.10	0.3236		
10	1	50		24.26	24.02	23.99				
10	25	12		24.30	24.04	24.06				
10	1	0		23.77	23.52	23.55				
10	1	51		23.73	23.52	23.49				
10	50	0		23.79	23.55	23.55				
10	1	1	QPSK	24.29	24.00	24.00			24.05	0.2541
10	1	50		24.28	23.98	24.00				
10	25	12		24.26	24.06	24.04				
10	1	0		23.26	23.04	23.03				
10	1	51		23.26	23.02	23.01				
10	50	0		23.20	23.03	23.00				
10	1	1	16-QAM	23.25	22.00	22.91	24.05	0.2541		
10	1	1	64-QAM	21.67	21.55	21.60				
10	1	1	256-QAM	18.20	17.88	18.05				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.22	24.01	23.90	25.06	0.3206		
15	1	77		24.17	24.01	23.90				
15	36	18		24.25	24.03	23.98				
15	1	0		23.72	23.56	23.40				
15	1	78		23.64	23.52	23.38				
15	75	0		23.73	23.52	23.47				
15	1	1	QPSK	24.14	23.96	23.92			24.04	0.2535
15	1	77		24.13	23.96	23.93				
15	36	18		24.26	24.05	23.98				
15	1	0		23.15	23.00	22.89				
15	1	78		23.08	22.99	22.91				
15	75	0		23.22	23.04	22.98				
15	1	1	16-QAM	23.24	22.91	22.91	24.04	0.2535		
15	1	1	64-QAM	21.60	21.35	21.31				
15	1	1	256-QAM	18.35	17.85	17.65				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.10	23.85	23.89	25.00	0.3162		
20	1	104		24.02	23.85	23.94				
20	50	25		24.20	23.98	24.01				
20	1	0		23.60	23.30	23.38				
20	1	105		23.53	23.29	23.39				
20	100	0		23.65	23.44	23.47				
20	1	1	QPSK	24.02	23.82	23.84			23.74	0.2366
20	1	104		23.99	23.85	23.94				
20	50	25		24.20	24.00	24.01				
20	1	0		23.10	22.81	22.83				
20	1	105		23.04	22.80	22.87				
20	100	0		23.15	22.96	22.98				
20	1	1	16-QAM	22.94	22.88	22.85	23.74	0.2366		
20	1	1	64-QAM	21.50	21.40	21.36				
20	1	1	256-QAM	18.30	17.70	17.75				
Limit	EIRP < 2W			Result			Pass			





NR n5 Maximum Average Power [dBm] (GT - LC = -5.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.34	24.26	24.20	16.62	0.0459
5	1	23		24.34	24.24	24.16		
5	12	6		24.31	24.10	24.14		
5	1	0		23.82	23.78	23.67		
5	1	24		23.83	23.73	23.65		
5	25	0		23.81	23.74	23.67		
5	1	1	QPSK	24.37	24.22	24.18		
5	1	23		24.36	24.23	24.14		
5	12	6		24.31	24.22	24.15		
5	1	0		23.31	23.27	23.19		
5	1	24		23.30	23.23	23.16		
5	25	0		23.31	23.22	23.14		
5	1	1	16-QAM	23.47	23.30	23.01	15.72	0.0373
5	1	1	64-QAM	21.67	21.57	21.80		
5	1	1	256-QAM	19.80	19.64	19.74		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -5.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.31	24.28	24.16	16.56	0.0453
10	1	50		24.27	24.25	24.12		
10	25	12		24.27	24.26	24.12		
10	1	0		23.78	23.75	23.62		
10	1	51		23.75	23.75	23.61		
10	50	0		23.78	23.71	23.65		
10	1	1	QPSK	24.24	24.21	24.14		
10	1	50		24.26	24.14	24.10		
10	25	12		24.23	24.24	24.11		
10	1	0		23.30	23.21	23.10		
10	1	51		23.25	23.18	23.04		
10	50	0		23.28	23.24	23.11		
10	1	1	16-QAM	23.27	23.38	23.33	15.63	0.0366
10	1	1	64-QAM	21.64	21.81	21.70		
10	1	1	256-QAM	19.74	19.79	19.79		
Limit	ERP < 7W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = -5.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.21	24.27	24.17	16.52	0.0449
15	1	77		24.16	24.22	24.13		
15	36	18		24.22	24.25	24.17		
15	1	0		23.70	23.76	23.67		
15	1	78		23.70	23.67	23.60		
15	75	0		23.72	23.74	23.64		
15	1	1	QPSK	24.18	24.21	24.15		
15	1	77		24.12	24.20	24.11		
15	36	18		24.24	24.26	24.14		
15	1	0		23.21	23.26	23.15		
15	1	78		23.17	23.21	23.08		
15	75	0		23.24	23.23	23.16		
15	1	1	16-QAM	23.35	22.94	23.09	15.60	0.0363
15	1	1	64-QAM	21.70	21.81	21.80		
15	1	1	256-QAM	19.67	19.72	19.54		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -5.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.12	24.20	24.17	16.48	0.0445
20	1	104		24.11	24.15	24.10		
20	50	25		24.20	24.23	24.15		
20	1	0		23.64	23.72	23.65		
20	1	105		23.59	23.64	23.60		
20	100	0		23.64	23.69	23.68		
20	1	1	QPSK	24.17	24.21	24.20		
20	1	104		24.13	24.14	24.11		
20	50	25		24.14	24.21	24.19		
20	1	0		23.11	23.16	23.22		
20	1	105		23.09	23.11	23.13		
20	100	0		23.18	23.23	23.18		
20	1	1	16-QAM	23.22	23.35	23.20	15.60	0.0363
20	1	1	64-QAM	21.61	21.66	21.68		
20	1	1	256-QAM	19.64	19.49	19.74		
Limit	ERP < 7W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = 0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.84	23.52	23.58	24.17	0.2612
5	1	23		23.82	23.49	23.55		
5	12	6		23.80	23.51	23.55		
5	1	0		23.30	23.01	23.05		
5	1	24		23.32	23.04	23.04		
5	25	0		23.29	23.00	23.06		
5	1	1	QPSK	23.79	23.52	23.57		
5	1	23		23.87	23.50	23.57		
5	12	6		23.81	23.49	23.56		
5	1	0		22.84	22.53	22.56		
5	1	24		22.83	22.51	22.54		
5	25	0		22.82	22.50	22.60		
5	1	1	16-QAM	22.81	22.79	22.76	23.11	0.2046
5	1	1	64-QAM	21.36	21.09	21.03		
5	1	1	256-QAM	19.34	19.01	19.22		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.70	23.59	23.58	24.02	0.2523
10	1	50		23.69	23.59	23.52		
10	25	12		23.72	23.62	23.53		
10	1	0		23.23	23.11	23.07		
10	1	51		23.21	23.09	23.06		
10	50	0		23.19	23.08	23.03		
10	1	1	QPSK	23.61	23.54	23.44		
10	1	50		23.64	23.48	23.48		
10	25	12		23.70	23.60	23.51		
10	1	0		22.69	22.61	22.51		
10	1	51		22.70	22.58	22.50		
10	50	0		22.71	22.59	22.52		
10	1	1	16-QAM	22.65	22.74	22.31	23.04	0.2014
10	1	1	64-QAM	21.20	21.30	21.18		
10	1	1	256-QAM	19.35	19.35	19.15		
Limit	EIRP < 2W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.61	23.61	23.72	24.02	0.2523		
15	1	77		23.64	23.59	23.67				
15	36	18		23.71	23.58	23.66				
15	1	0		23.14	23.15	23.19				
15	1	78		23.17	23.05	23.18				
15	75	0		23.18	23.07	23.19				
15	1	1	QPSK	23.72	23.57	23.63			23.08	0.2032
15	1	77		23.70	23.54	23.65				
15	36	18		23.70	23.58	23.66				
15	1	0		22.69	22.57	22.68				
15	1	78		22.69	22.61	22.65				
15	75	0		22.71	22.60	22.64				
15	1	1	16-QAM	22.78	22.66	22.67	23.08	0.2032		
15	1	1	64-QAM	21.33	21.11	21.07				
15	1	1	256-QAM	19.21	19.21	19.15				
Limit	EIRP < 2W			Result			Pass			

NR n7 Maximum Average Power [dBm] (GT - LC = 0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.74	23.58	23.63	24.08	0.2559		
20	1	104		23.72	23.53	23.63				
20	50	25		23.74	23.60	23.66				
20	1	0		23.24	23.10	23.12				
20	1	105		23.22	23.02	23.11				
20	100	0		23.27	23.10	23.17				
20	1	1	QPSK	23.65	23.58	23.57			23.03	0.2009
20	1	104		23.66	23.53	23.61				
20	50	25		23.78	23.64	23.65				
20	1	0		22.67	22.62	22.59				
20	1	105		22.66	22.54	22.63				
20	100	0		22.74	22.61	22.68				
20	1	1	16-QAM	22.58	22.73	22.70	23.03	0.2009		
20	1	1	64-QAM	21.19	21.07	21.17				
20	1	1	256-QAM	19.09	19.20	19.14				
Limit	EIRP < 2W			Result			Pass			



NR n12 Maximum Average Power [dBm] (GT - LC = -5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.53	24.53	24.43	16.90	0.0490		
5	1	23		24.55	24.53	24.40				
5	12	6		24.53	24.49	24.36				
5	1	0		24.06	24.06	23.92				
5	1	24		24.05	24.02	23.88				
5	25	0		24.03	24.01	23.91				
5	1	1	QPSK	24.51	24.55	24.39			16.04	0.0402
5	1	23		24.43	24.54	24.42				
5	12	6		24.52	24.51	24.37				
5	1	0		23.54	23.54	23.45				
5	1	24		23.46	23.49	23.41				
5	25	0		23.54	23.53	23.40				
5	1	1	16-QAM	23.69	23.65	23.40	16.04	0.0402		
5	1	1	64-QAM	21.92	22.10	21.91				
5	1	1	256-QAM	20.01	20.07	20.00				
Limit	ERP < 3W			Result			Pass			

NR n12 Maximum Average Power [dBm] (GT - LC = -5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	24.54	24.55	24.46	16.90	0.0490		
10	1	50		24.49	24.47	24.42				
10	25	12		24.47	24.43	24.43				
10	1	0		24.03	24.05	23.97				
10	1	51		24.00	24.03	23.93				
10	50	0		23.99	24.00	23.94				
10	1	1	QPSK	24.52	24.51	24.45			15.94	0.0393
10	1	50		24.45	24.42	24.34				
10	25	12		24.50	24.51	24.42				
10	1	0		23.53	23.53	23.45				
10	1	51		23.47	23.47	23.42				
10	50	0		23.51	23.50	23.45				
10	1	1	16-QAM	23.51	23.59	23.51	15.94	0.0393		
10	1	1	64-QAM	22.01	22.05	22.05				
10	1	1	256-QAM	19.98	19.93	20.07				
Limit	ERP < 3W			Result			Pass			



NR n12 Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.55	24.55	24.53	16.97	0.0498
15	1	77		24.47	24.49	24.42		
15	36	18		24.55	24.51	24.47		
15	1	0		24.08	24.05	24.06		
15	1	78		23.99	23.98	23.94		
15	75	0		24.03	24.00	24.00		
15	1	1	QPSK	24.62	24.55	24.45	15.93	0.0392
15	1	77		24.48	24.43	24.44		
15	36	18		24.55	24.51	23.49		
15	1	0		23.57	23.53	23.52		
15	1	78		23.47	23.43	23.44		
15	75	0		23.50	23.50	23.47		
15	1	1	16-QAM	23.58	23.56	23.35	15.93	0.0392
15	1	1	64-QAM	22.02	22.04	21.99		
15	1	1	256-QAM	19.82	20.07	20.10		
Limit	ERP < 3W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = 0.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.30	24.14	24.01	24.83	0.3041		
5	1	23		24.33	24.11	23.97				
5	12	6		24.30	24.10	23.95				
5	1	0		23.84	23.61	23.47				
5	1	24		23.82	23.61	23.44				
5	25	0		23.80	23.60	23.40				
5	1	1	QPSK	24.30	24.10	24.06			23.74	0.2366
5	1	23		24.32	24.06	23.97				
5	12	6		24.31	24.07	23.97				
5	1	0		23.31	23.10	22.99				
5	1	24		23.30	23.10	22.90				
5	25	0		23.30	23.12	22.98				
5	1	1	16-QAM	23.24	23.12	23.04	23.74	0.2366		
5	1	1	64-QAM	21.70	21.60	21.54				
5	1	1	256-QAM	18.20	18.22	18.04				
Limit	EIRP < 2W			Result			Pass			

NR n25 Maximum Average Power [dBm] (GT - LC = 0.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.44	24.11	24.06	24.94	0.3119		
10	1	50		24.37	24.15	24.04				
10	25	12		24.39	24.11	24.05				
10	1	0		23.93	23.63	23.58				
10	1	51		23.87	23.59	23.52				
10	50	0		23.89	23.61	23.55				
10	1	1	QPSK	24.35	24.11	24.11			23.86	0.2432
10	1	50		24.30	24.10	24.07				
10	25	12		24.38	24.12	24.07				
10	1	0		23.33	23.15	23.09				
10	1	51		23.27	23.14	23.01				
10	50	0		23.40	23.11	23.07				
10	1	1	16-QAM	23.36	23.16	22.73	23.86	0.2432		
10	1	1	64-QAM	21.95	21.67	21.57				
10	1	1	256-QAM	18.47	18.05	17.96				
Limit	EIRP < 2W			Result			Pass			



NR n25 Maximum Average Power [dBm] (GT - LC = 0.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.31	24.08	24.10	24.83	0.3041		
15	1	77		24.23	24.07	23.97				
15	36	18		24.33	24.13	24.12				
15	1	0		23.80	23.58	23.55				
15	1	78		23.74	23.59	23.50				
15	75	0		23.76	23.60	23.56				
15	1	1	QPSK	24.24	24.06	24.08			24.83	0.3041
15	1	77		24.24	24.11	23.91				
15	36	18		24.31	24.11	24.13				
15	1	0		23.20	23.07	23.10				
15	1	78		23.19	23.09	23.05				
15	75	0		23.31	23.11	23.10				
15	1	1	16-QAM	23.11	23.14	23.15	23.65	0.2317		
15	1	1	64-QAM	21.77	21.68	21.69				
15	1	1	256-QAM	18.18	18.02	18.05				
Limit	EIRP < 2W			Result			Pass			

NR n25 Maximum Average Power [dBm] (GT - LC = 0.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.24	24.03	24.03	24.83	0.3041		
20	1	104		24.19	24.07	24.00				
20	50	25		24.30	24.09	24.19				
20	1	0		23.70	23.49	23.53				
20	1	105		23.67	23.54	23.50				
20	100	0		23.77	23.58	23.62				
20	1	1	QPSK	24.14	24.03	24.03			24.83	0.3041
20	1	104		24.11	24.03	24.01				
20	50	25		24.33	24.11	24.17				
20	1	0		23.15	23.03	23.02				
20	1	105		23.11	23.05	22.97				
20	100	0		23.31	23.10	23.13				
20	1	1	16-QAM	21.98	23.01	22.91	23.51	0.2244		
20	1	1	64-QAM	21.98	21.59	21.60				
20	1	1	256-QAM	18.21	17.98	17.85				
Limit	EIRP < 2W			Result			Pass			





NR n38 Maximum Average Power [dBm] (GT - LC = -4.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.31	24.32	24.32	19.88	0.0973		
10	1	22		24.38	24.31	24.36				
10	12	6		24.31	24.32	24.33				
10	1	0		23.81	23.82	23.84				
10	1	23		23.81	23.85	23.80				
10	24	0		23.83	23.82	23.80				
10	1	1	QPSK	24.30	24.30	24.27			19.88	0.0973
10	1	22		24.30	24.33	24.26				
10	12	6		24.33	24.33	24.32				
10	1	0		23.31	23.33	23.29				
10	1	23		23.30	23.35	23.30				
10	24	0		23.33	23.29	23.33				
10	1	1	16-QAM	23.21	22.91	23.35	18.85	0.0767		
10	1	1	64-QAM	21.64	21.66	21.67				
10	1	1	256-QAM	19.67	19.91	19.79				
Limit	EIRP < 2W			Result			Pass			

NR n38 Maximum Average Power [dBm] (GT - LC = -4.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.31	24.35	24.45	20.00	0.1000		
15	1	36		24.33	24.31	24.44				
15	18	9		24.41	24.34	24.50				
15	1	0		23.82	23.85	23.92				
15	1	37		23.85	23.83	23.91				
15	36	0		23.89	23.83	23.99				
15	1	1	QPSK	24.30	24.29	24.47			20.00	0.1000
15	1	36		24.33	24.32	24.41				
15	18	9		24.41	24.34	24.49				
15	1	0		23.33	23.30	23.43				
15	1	37		23.36	23.30	23.40				
15	36	0		23.40	23.33	23.44				
15	1	1	16-QAM	23.76	23.21	23.47	19.26	0.0843		
15	1	1	64-QAM	21.82	21.85	21.80				
15	1	1	256-QAM	19.72	19.75	19.75				
Limit	EIRP < 2W			Result						



NR n38 Maximum Average Power [dBm] (GT - LC = -4.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.38	24.29	24.39	19.97	0.0993
20	1	49		24.38	24.33	24.39		
20	25	12		24.47	24.36	24.45		
20	1	0		23.90	23.75	23.85		
20	1	50		23.88	23.80	23.90		
20	50	0		23.94	23.83	23.93		
20	1	1	QPSK	24.38	24.32	24.41	19.01	0.0796
20	1	49		24.40	24.33	24.36		
20	25	12		24.47	24.33	24.45		
20	1	0		23.38	23.34	23.33		
20	1	50		23.40	23.37	23.32		
20	50	0		23.44	23.33	23.45		
20	1	1	16-QAM	23.51	23.40	23.34	19.01	0.0796
20	1	1	64-QAM	21.92	21.82	21.77		
20	1	1	256-QAM	19.71	19.67	19.83		
Limit	EIRP < 2W			Result			Pass	



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	26.28	26.31	26.12	21.64	0.1459		
10	1	22		26.24	26.33	26.17				
10	12	6		26.25	26.34	26.15				
10	1	0		22.70	22.80	22.62				
10	1	23		22.76	22.80	22.70				
10	24	0		24.27	24.34	24.15				
10	1	1	QPSK	26.30	26.28	26.12			20.61	0.1151
10	1	22		26.26	26.30	26.17				
10	12	6		26.25	26.30	26.16				
10	1	0		22.77	22.73	22.62				
10	1	23		22.80	22.76	22.70				
10	24	0		23.27	23.30	23.16				
10	1	1	16-QAM	25.19	25.31	25.11	20.61	0.1151		
10	1	1	64-QAM	23.84	23.92	23.49				
10	1	1	256-QAM	21.68	21.65	21.55				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	26.32	26.27	26.31	21.64	0.1459		
15	1	36		26.29	26.34	26.33				
15	18	9		26.28	26.29	26.33				
15	1	0		22.80	22.74	22.76				
15	1	37		22.84	22.78	22.83				
15	36	0		24.35	24.31	24.33				
15	1	1	QPSK	26.30	26.33	26.17			20.74	0.1186
15	1	36		26.31	26.30	26.27				
15	18	9		26.32	26.30	26.32				
15	1	0		22.81	22.71	22.78				
15	1	37		22.73	22.73	22.89				
15	36	0		23.33	23.25	23.31				
15	1	1	16-QAM	25.44	25.10	25.37	20.74	0.1186		
15	1	1	64-QAM	23.84	23.82	23.70				
15	1	1	256-QAM	21.83	21.75	21.69				
Limit	EIRP < 2W			Result			Pass			



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	26.15	26.28	26.19	21.64	0.1459		
20	1	49		26.11	26.34	26.28				
20	25	12		26.16	26.31	26.27				
20	1	0		22.61	22.76	22.72				
20	1	50		22.65	22.83	22.79				
20	50	0		24.18	24.32	24.25				
20	1	1	QPSK	26.11	26.23	26.32			20.71	0.1178
20	1	49		26.12	26.26	26.34				
20	25	12		26.14	26.29	26.30				
20	1	0		22.61	22.74	22.75				
20	1	50		22.65	22.77	22.83				
20	50	0		23.19	23.30	23.29				
20	1	1	16-QAM	25.19	25.41	25.36	20.71	0.1178		
20	1	1	64-QAM	23.68	23.90	23.85				
20	1	1	256-QAM	21.51	21.92	21.70				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	26.18	26.26	26.28	21.70	0.1479		
30	1	76		26.18	26.24	26.33				
30	36	18		26.22	26.25	26.37				
30	1	0		22.70	22.72	22.82				
30	1	77		22.71	22.71	22.82				
30	75	0		24.20	24.22	24.37				
30	1	1	QPSK	26.22	26.17	26.28			20.66	0.1164
30	1	76		26.20	26.22	26.31				
30	36	18		26.26	26.31	26.40				
30	1	0		22.66	22.70	26.31				
30	1	77		22.65	22.73	22.87				
30	75	0		23.27	23.27	23.40				
30	1	1	16-QAM	25.15	25.30	25.36	20.66	0.1164		
30	1	1	64-QAM	23.61	23.71	23.79				
30	1	1	256-QAM	21.61	21.77	21.64				
Limit	EIRP < 2W			Result			Pass			



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.07	26.15	26.17	21.61	0.1449		
40	1	104		26.14	26.22	26.25				
40	50	25		26.13	26.27	26.31				
40	1	0		22.58	22.72	22.74				
40	1	105		22.62	22.74	22.81				
40	100	0		24.15	24.30	24.27				
40	1	1	QPSK	26.00	26.11	26.21			20.45	0.1109
40	1	104		26.01	26.16	26.21				
40	50	25		26.11	26.29	26.29				
40	1	0		22.50	22.61	22.70				
40	1	105		22.61	22.70	22.78				
40	100	0		23.14	23.22	23.28				
40	1	1	16-QAM	24.96	24.96	25.15	20.45	0.1109		
40	1	1	64-QAM	23.56	23.83	23.70				
40	1	1	256-QAM	21.54	21.86	21.71				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	26.05	26.10	26.26	21.74	0.1493		
50	1	131		26.09	26.19	26.23				
50	64	32		26.26	26.29	26.44				
50	1	0		22.57	22.61	22.78				
50	1	132		22.65	22.67	22.76				
50	128	0		24.24	24.22	24.35				
50	1	1	QPSK	26.12	26.14	26.29			20.49	0.1119
50	1	131		26.17	26.20	26.24				
50	64	32		26.23	26.26	26.37				
50	1	0		22.53	22.60	22.77				
50	1	132		22.55	22.66	22.80				
50	128	0		23.24	23.26	23.37				
50	1	1	16-QAM	25.07	25.19	25.13	20.49	0.1119		
50	1	1	64-QAM	23.51	23.49	23.71				
50	1	1	256-QAM	21.70	21.39	21.71				
Limit	EIRP < 2W			Result			Pass			



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.94	26.01	26.07	21.61	0.1449
60	1	160		26.03	26.12	26.19		
60	81	40		26.09	26.31	26.19		
60	1	0		22.45	22.53	22.52		
60	1	161		22.52	22.61	22.69		
60	162	0		24.14	24.21	24.19		
60	1	1	QPSK	25.97	26.04	26.00	20.60	0.1148
60	1	160		26.10	26.18	26.14		
60	81	40		26.17	26.27	26.19		
60	1	0		22.43	22.51	22.52		
60	1	161		22.53	22.67	22.66		
60	162	0		23.15	23.20	23.17		
60	1	1	16-QAM	25.30	24.97	24.96	20.60	0.1148
60	1	1	64-QAM	23.51	23.56	23.49		
60	1	1	256-QAM	21.57	21.39	21.56		
Limit	EIRP < 2W			Result			Pass	



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	25.92	26.00	26.04	21.57	0.1435		
80	1	215		26.08	26.10	26.14				
80	108	54		26.13	26.27	26.27				
80	1	0		22.47	22.47	22.59				
80	1	216		22.58	22.62	22.74				
80	216	0		24.09	24.16	24.26				
80	1	1	QPSK	25.96	25.94	26.11			20.40	0.1096
80	1	215		26.10	26.11	26.25				
80	108	54		26.10	26.27	26.27				
80	1	0		22.44	22.48	22.59				
80	1	216		22.63	22.55	22.68				
80	216	0		23.11	23.14	23.26				
80	1	1	16-QAM	25.10	25.05	24.86	20.40	0.1096		
80	1	1	64-QAM	23.48	23.47	23.77				
80	1	1	256-QAM	21.51	21.78	21.34				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.91	25.87	26.00	21.62	0.1452		
90	1	243		26.02	26.11	25.98				
90	120	60		26.15	26.25	26.32				
90	1	0		22.45	22.40	22.51				
90	1	244		22.58	22.59	22.56				
90	240	0		24.11	24.12	24.25				
90	1	1	QPSK	25.92	25.92	25.97			20.46	0.1112
90	1	243		26.03	26.09	25.97				
90	120	60		26.12	26.22	26.29				
90	1	0		22.45	22.47	22.51				
90	1	244		22.53	22.66	22.49				
90	240	0		23.12	23.18	23.29				
90	1	1	16-QAM	25.09	25.16	24.94	20.46	0.1112		
90	1	1	64-QAM	23.45	23.37	23.48				
90	1	1	256-QAM	21.47	21.37	21.30				
Limit	EIRP < 2W			Result			Pass			



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	25.87	25.94	25.95	21.62	0.1452
100	1	271		26.07	26.12	26.11		
100	135	67		26.05	26.32	26.22		
100	1	0		22.35	22.42	22.51		
100	1	272		22.59	22.61	22.73		
100	270	0		24.01	24.11	24.18		
100	1	1	QPSK	25.83	25.87	25.91	20.40	0.1096
100	1	271		26.07	26.05	26.11		
100	135	67		26.02	26.21	26.21		
100	1	0		22.35	22.37	22.44		
100	1	272		22.66	22.57	22.64		
100	270	0		22.98	23.01	23.15		
100	1	1	16-QAM	25.10	24.91	24.84	20.40	0.1096
100	1	1	64-QAM	23.41	23.62	23.36		
100	1	1	256-QAM	21.32	21.21	21.33		
Limit	EIRP < 2W			Result			Pass	





NR n66 Maximum Average Power [dBm] (GT - LC = -0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.01	23.90	23.72	23.71	0.2350
5	1	23		23.95	23.89	23.70		
5	12	6		23.91	23.84	23.72		
5	1	0		23.44	23.35	23.18		
5	1	24		23.47	23.36	23.21		
5	25	0		23.41	23.36	23.18		
5	1	1	QPSK	23.96	23.89	23.72		
5	1	23		24.00	23.90	23.81		
5	12	6		23.92	23.86	23.75		
5	1	0		22.91	22.90	22.79		
5	1	24		22.99	22.89	22.80		
5	25	0		22.94	22.90	22.73		
5	1	1	16-QAM	23.04	22.81	22.73	22.74	0.1879
5	1	1	64-QAM	21.44	21.45	21.24		
5	1	1	256-QAM	18.12	17.70	17.88		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.08	23.88	23.77	23.81	0.2404
10	1	50		24.11	23.86	23.78		
10	25	12		24.09	23.90	23.77		
10	1	0		23.55	23.40	23.23		
10	1	51		23.61	23.35	23.25		
10	50	0		23.58	23.38	23.29		
10	1	1	QPSK	24.06	23.91	23.73		
10	1	50		24.05	23.87	23.76		
10	25	12		24.07	23.89	23.75		
10	1	0		23.03	22.91	22.73		
10	1	51		23.03	22.87	22.78		
10	50	0		23.06	22.87	22.80		
10	1	1	16-QAM	22.95	22.79	22.64	22.65	0.1841
10	1	1	64-QAM	21.62	21.32	21.14		
10	1	1	256-QAM	18.24	18.04	17.85		
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = -0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.96	23.79	23.61	23.74	0.2366		
15	1	77		24.00	23.78	23.66				
15	36	18		24.03	23.88	23.67				
15	1	0		23.50	23.34	23.08				
15	1	78		23.48	23.30	23.15				
15	75	0		23.53	23.37	23.16				
15	1	1	QPSK	24.00	23.86	23.59			22.69	0.1858
15	1	77		23.94	23.84	23.66				
15	36	18		24.04	23.89	23.67				
15	1	0		22.94	22.88	22.54				
15	1	78		23.00	22.79	22.59				
15	75	0		23.00	22.87	22.66				
15	1	1	16-QAM	22.77	22.99	22.61	22.69	0.1858		
15	1	1	64-QAM	21.55	21.30	21.10				
15	1	1	256-QAM	17.86	17.92	17.54				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.88	23.81	23.52	23.69	0.2339		
20	1	104		23.89	23.76	23.61				
20	50	25		23.99	23.81	23.71				
20	1	0		23.34	23.20	23.04				
20	1	105		23.38	23.25	23.14				
20	100	0		23.49	23.34	23.18				
20	1	1	QPSK	23.77	23.75	23.53			22.84	0.1923
20	1	104		23.92	23.75	23.62				
20	50	25		23.99	23.88	23.69				
20	1	0		22.78	22.75	22.54				
20	1	105		22.87	22.73	22.63				
20	100	0		22.95	22.85	22.65				
20	1	1	16-QAM	23.14	22.57	22.57	22.84	0.1923		
20	1	1	64-QAM	21.40	21.35	21.12				
20	1	1	256-QAM	17.89	17.70	17.49				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = -0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	23.70	23.61	23.43	23.71	0.2350		
30	1	158		23.71	23.53	23.53				
30	80	40		24.01	23.86	23.75				
30	1	0		23.17	23.10	22.91				
30	1	159		23.21	23.03	23.01				
30	160	0		23.44	23.27	23.17				
30	1	1	QPSK	23.67	23.54	23.42			23.71	0.2350
30	1	158		23.70	23.61	23.49				
30	80	40		24.01	23.86	23.77				
30	1	0		22.74	22.60	22.44				
30	1	159		22.70	22.48	22.51				
30	160	0		22.93	22.78	22.70				
30	1	1	16-QAM	22.56	22.66	22.51	22.36	0.1722		
30	1	1	64-QAM	21.34	21.15	20.94				
30	1	1	256-QAM	17.74	17.52	17.25				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -0.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	23.36	23.36	23.16	23.61	0.2296		
40	1	214		23.35	23.33	23.25				
40	108	54		23.90	23.84	23.71				
40	1	0		22.85	22.85	22.63				
40	1	215		22.83	22.84	22.75				
40	216	0		23.22	23.17	23.05				
40	1	1	QPSK	23.35	23.40	23.15			23.61	0.2296
40	1	214		23.25	23.30	23.21				
40	108	54		23.91	23.83	23.70				
40	1	0		22.35	22.34	22.10				
40	1	215		22.25	22.33	22.27				
40	216	0		22.74	22.68	22.58				
40	1	1	16-QAM	22.50	21.78	22.14	22.20	0.1660		
40	1	1	64-QAM	20.77	20.53	20.79				
40	1	1	256-QAM	17.48	17.13	17.21				
Limit	EIRP < 1W			Result			Pass			



NR n71 Maximum Average Power [dBm] (GT - LC = -6.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.78	24.55	24.44	15.73	0.0374
5	1	23		24.78	24.51	24.37		
5	12	6		24.77	24.54	24.36		
5	1	0		24.28	24.04	23.90		
5	1	24		24.25	24.03	23.86		
5	25	0		24.24	24.06	23.84		
5	1	1	QPSK	24.71	24.64	24.37		
5	1	23		24.73	24.61	24.39		
5	12	6		24.77	24.50	24.35		
5	1	0		23.77	23.57	23.41		
5	1	24		23.76	23.56	23.36		
5	25	0		23.77	23.60	23.36		
5	1	1	16-QAM	23.75	23.51	23.51	14.70	0.0295
5	1	1	64-QAM	22.38	22.10	22.10		
5	1	1	256-QAM	20.38	19.97	19.96		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -6.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.78	24.64	24.40	15.75	0.0376
10	1	50		24.76	24.50	24.28		
10	25	12		24.80	24.60	24.31		
10	1	0		24.29	24.14	23.91		
10	1	51		24.28	24.02	23.77		
10	50	0		24.31	24.08	23.81		
10	1	1	QPSK	24.77	24.61	24.35		
10	1	50		24.78	24.47	24.26		
10	25	12		24.78	24.59	24.33		
10	1	0		23.71	23.63	23.42		
10	1	51		23.74	23.46	23.31		
10	50	0		23.78	23.59	23.31		
10	1	1	16-QAM	23.87	23.53	23.27	14.82	0.0303
10	1	1	64-QAM	22.54	22.14	21.90		
10	1	1	256-QAM	20.28	20.11	20.01		
Limit	ERP < 3W			Result			Pass	



NR n71 Maximum Average Power [dBm] (GT - LC = -6.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	24.67	24.57	24.42	15.72	0.0373		
15	1	77		24.67	24.42	24.22				
15	36	18		24.77	24.57	24.35				
15	1	0		24.18	24.07	23.90				
15	1	78		24.14	23.90	23.74				
15	75	0		24.24	24.03	23.84				
15	1	1	QPSK	24.70	24.55	24.45			14.49	0.0281
15	1	77		24.41	24.38	24.23				
15	36	18		24.75	24.56	24.38				
15	1	0		23.66	23.55	23.39				
15	1	78		23.63	23.44	23.26				
15	75	0		23.72	23.55	23.36				
15	1	1	16-QAM	23.52	23.54	23.48	14.49	0.0281		
15	1	1	64-QAM	22.19	22.07	22.00				
15	1	1	256-QAM	19.97	20.02	19.94				
Limit	ERP < 3W			Result			Pass			

NR n71 Maximum Average Power [dBm] (GT - LC = -6.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	24.53	24.50	24.44	15.59	0.0362		
20	1	104		24.47	24.35	24.32				
20	50	25		24.61	24.56	24.50				
20	1	0		24.05	23.93	23.94				
20	1	105		23.96	23.84	23.81				
20	100	0		24.11	24.06	23.98				
20	1	1	QPSK	24.59	24.53	24.41			14.63	0.0290
20	1	104		24.46	24.35	24.30				
20	50	25		24.64	24.57	24.46				
20	1	0		23.54	23.56	23.40				
20	1	105		23.44	23.31	23.30				
20	100	0		23.57	23.54	23.45				
20	1	1	16-QAM	23.68	23.62	23.42	14.63	0.0290		
20	1	1	64-QAM	22.23	22.06	21.82				
20	1	1	256-QAM	19.94	20.15	19.85				
Limit	ERP < 3W			Result			Pass			



## FR1 n2

### Peak-to-Average Ratio

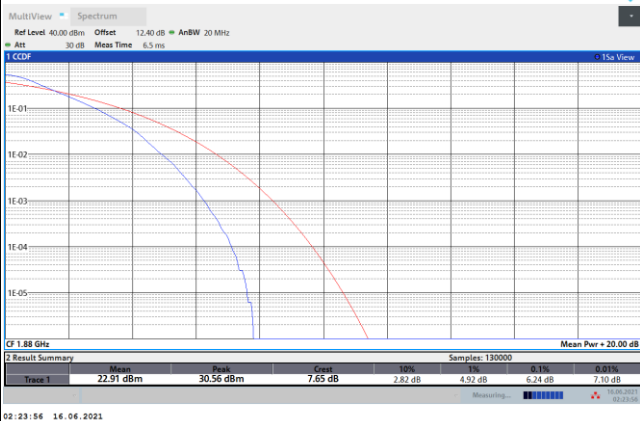
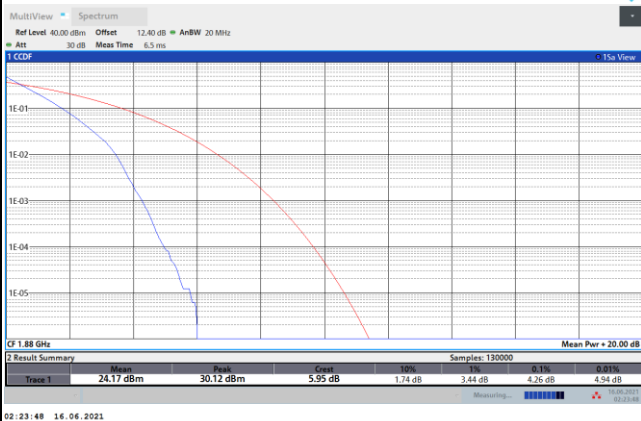
Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.26	6.24	6.98	6.36	PASS
Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.58				PASS



FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

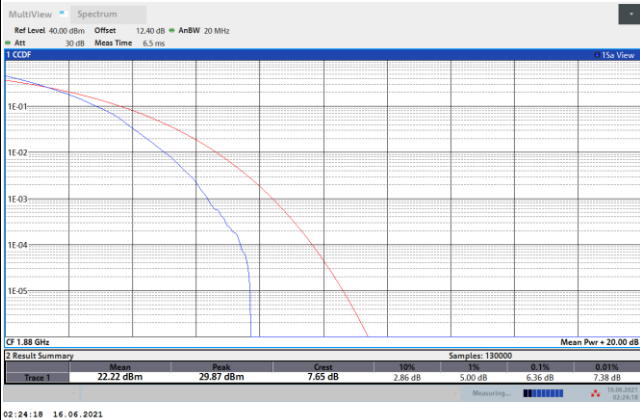
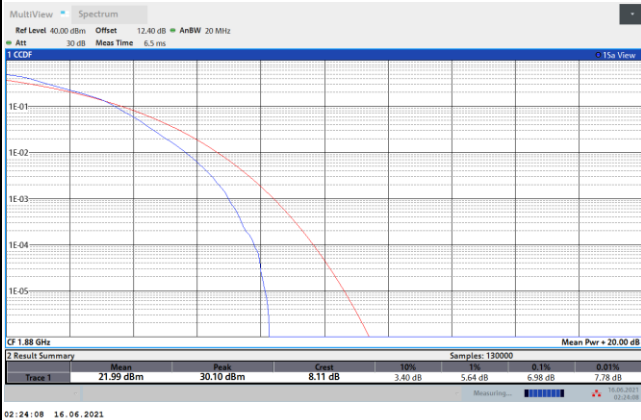
PI/2 BPSK

QPSK

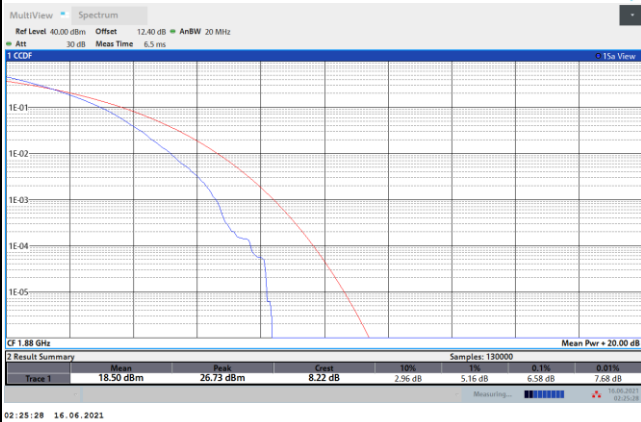


16QAM

64QAM



256QAM





**26dB Bandwidth**

Mode	FR1 n2 : 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	5.20		9.39		14.48		18.82	

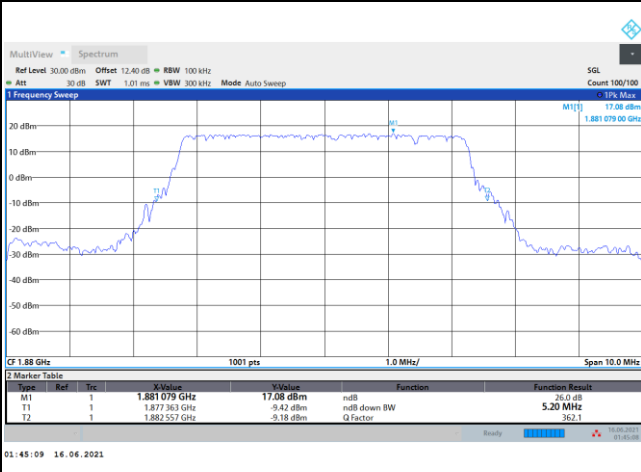
Mode	FR1 n2 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.17	5.11	9.83	9.89	15.08	15.05	19.90	20.26
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.89	5.13	9.97	9.89	15.02	15.05	20.02	20.02





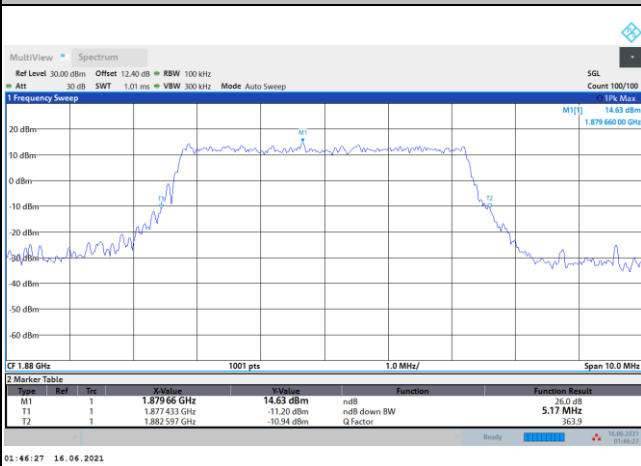
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

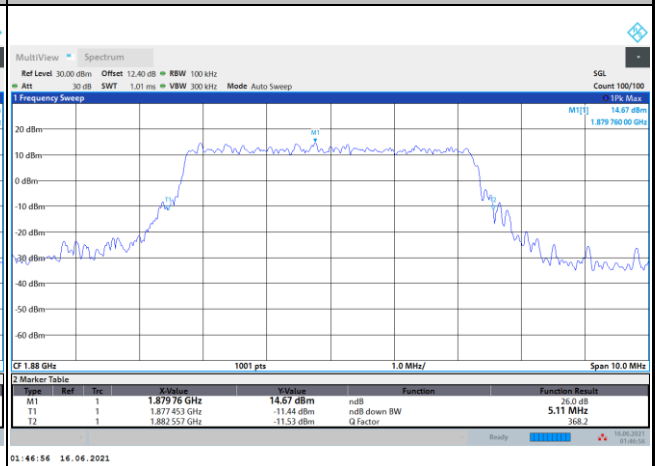


FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB

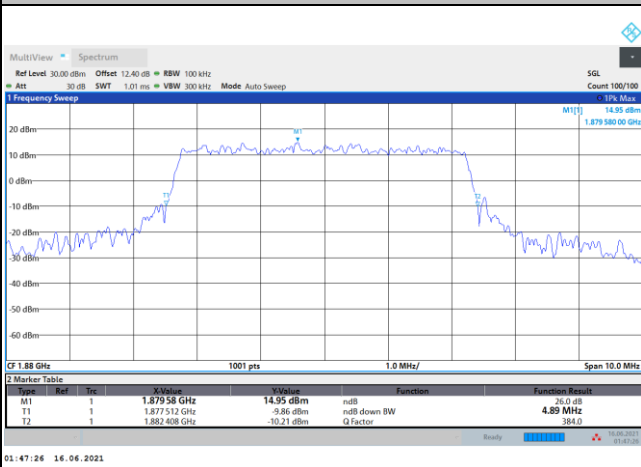
QPSK



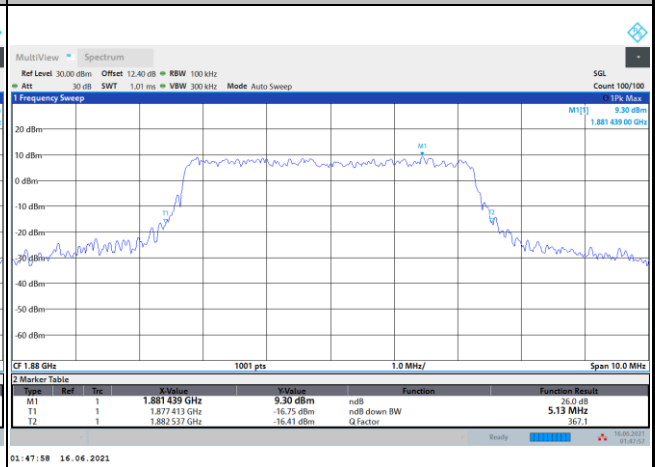
16QAM



64QAM



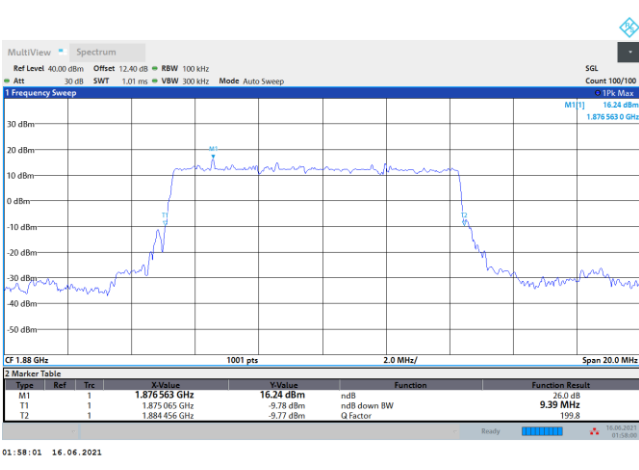
256QAM





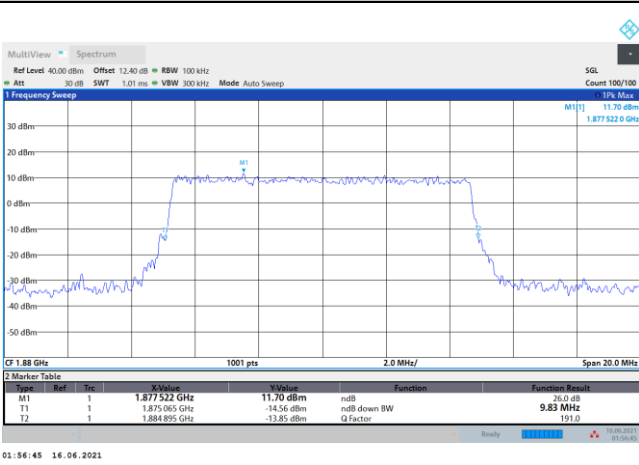
FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

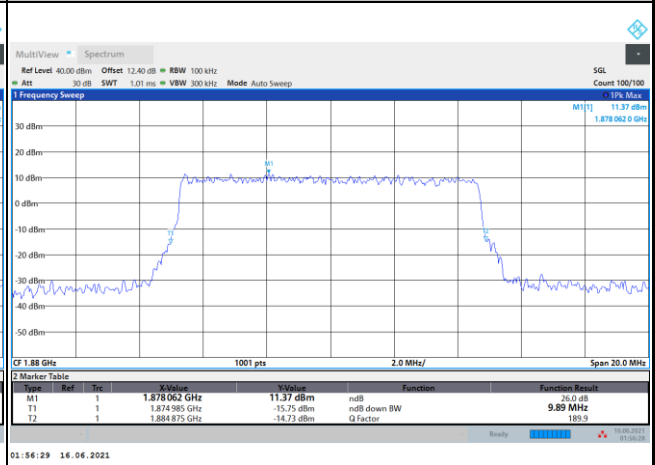


FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB

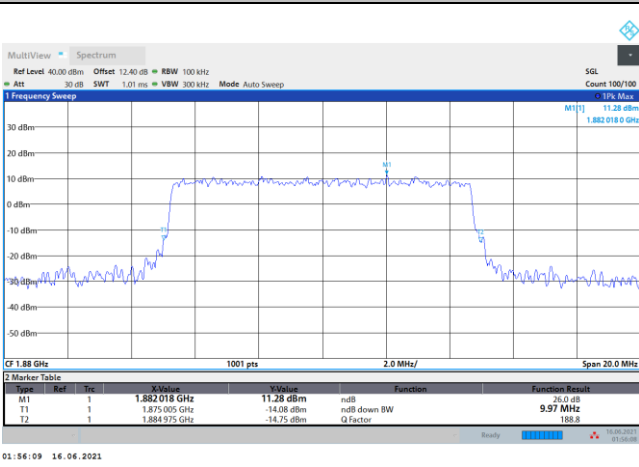
QPSK



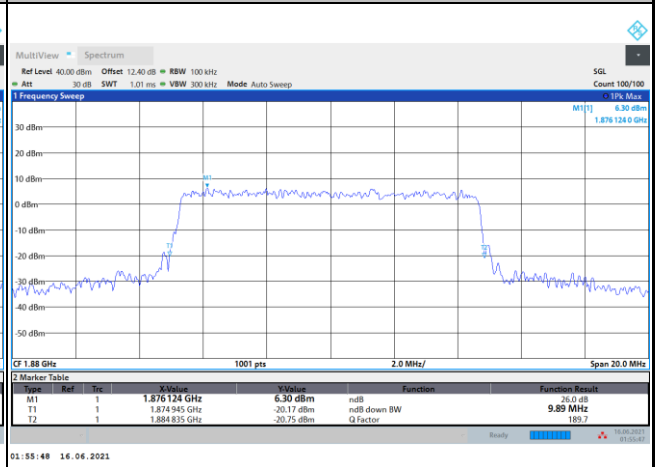
16QAM



64QAM



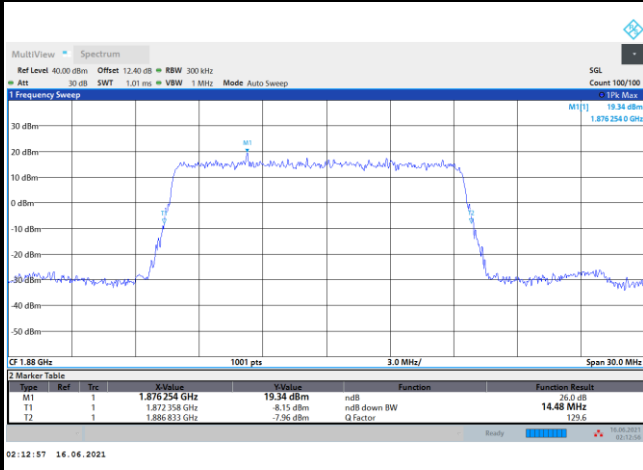
256QAM





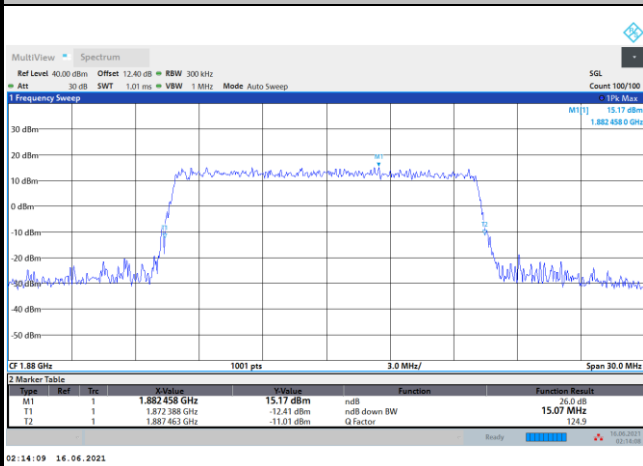
FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

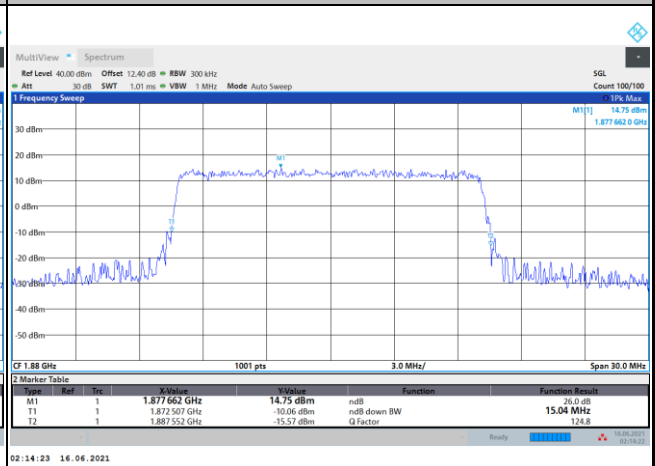


FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB

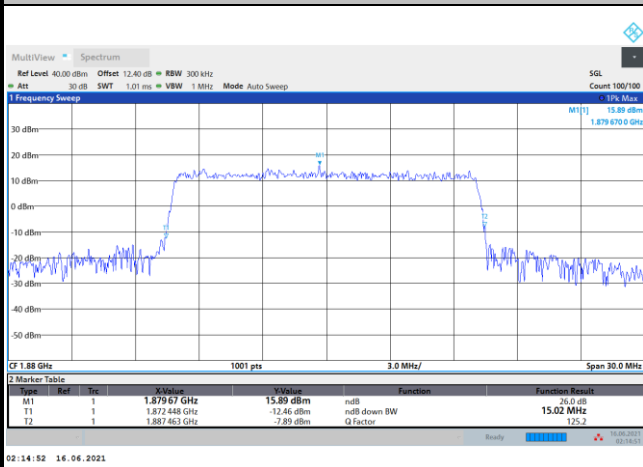
QPSK



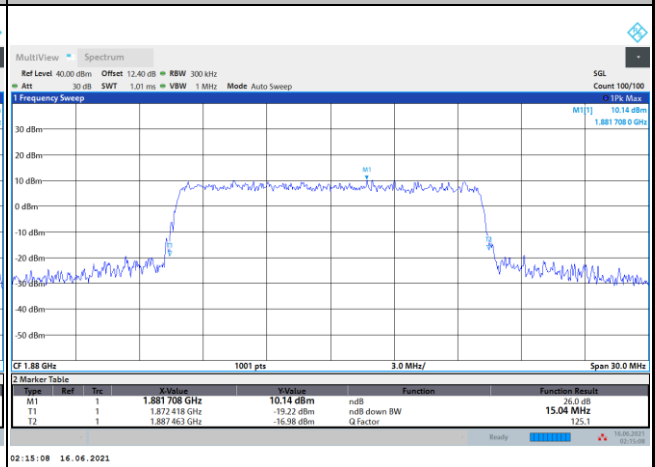
16QAM



64QAM



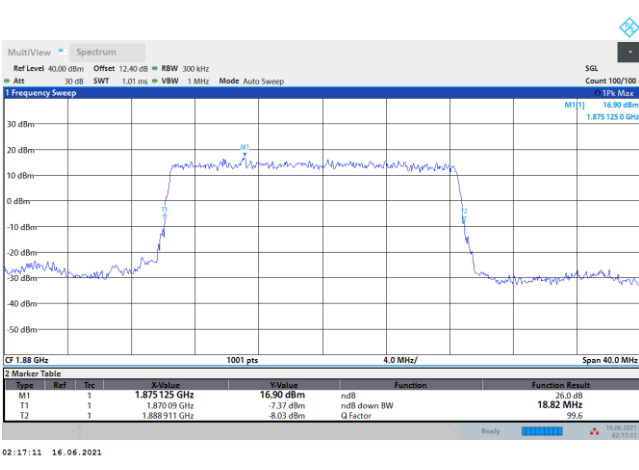
256QAM





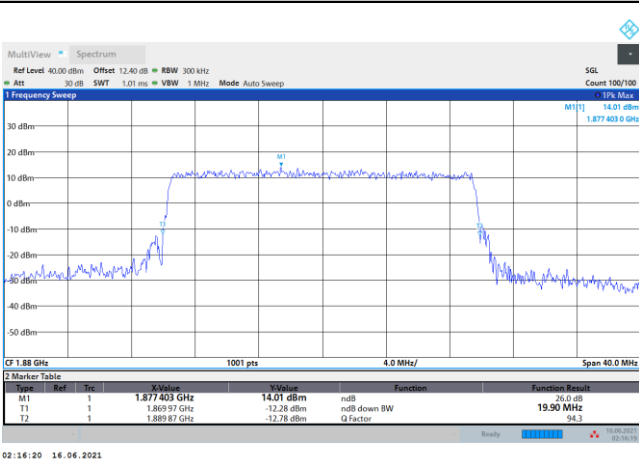
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

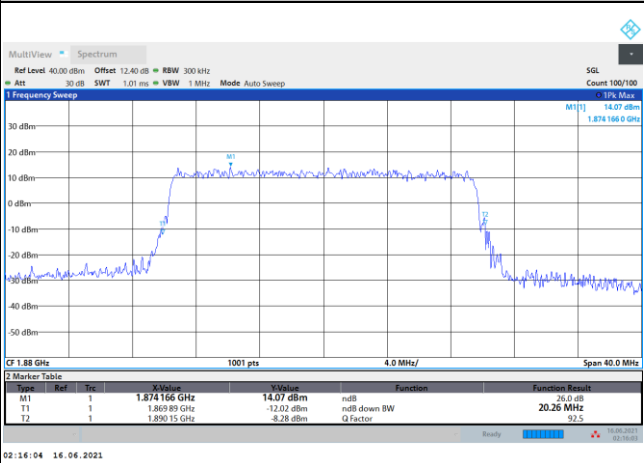


FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB

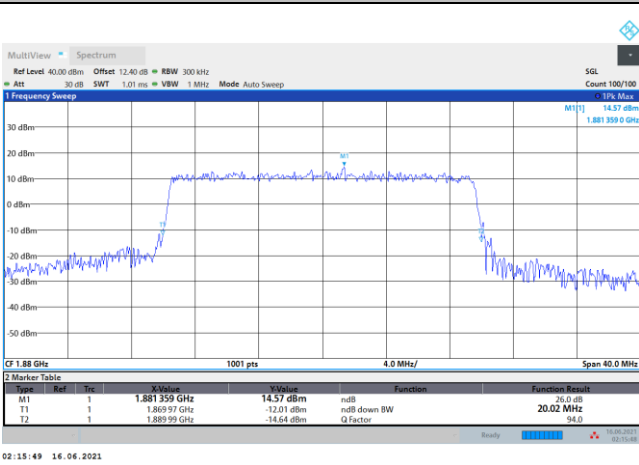
QPSK



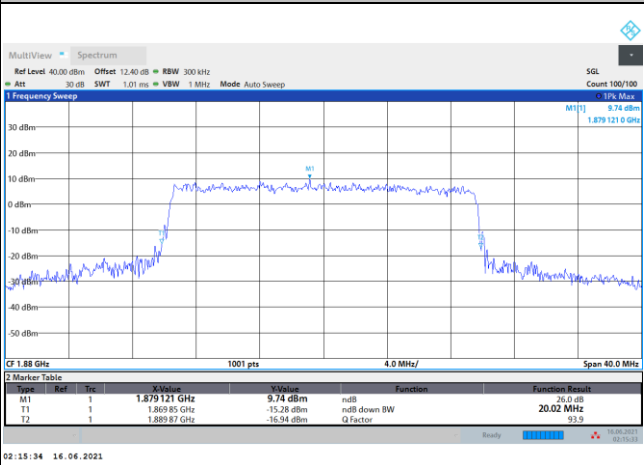
16QAM



64QAM



256QAM





Occupied Bandwidth

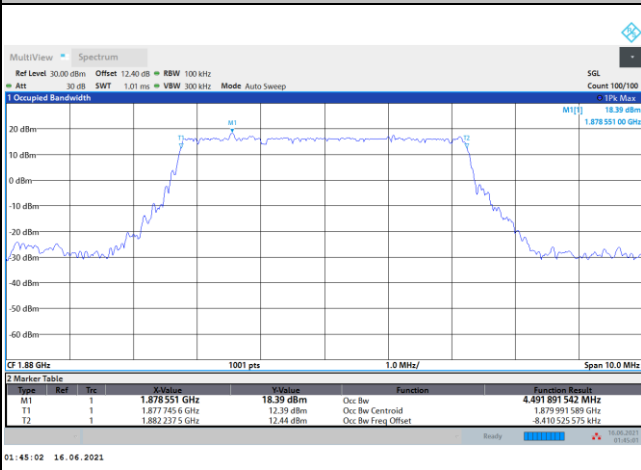
Mode	FR1 n2 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.49		8.93		13.46		17.88	

Mode	FR1 n2 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.52	9.29	9.28	14.17	14.16	18.92	18.93
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.52	4.51	9.30	9.31	14.14	14.15	18.95	18.92



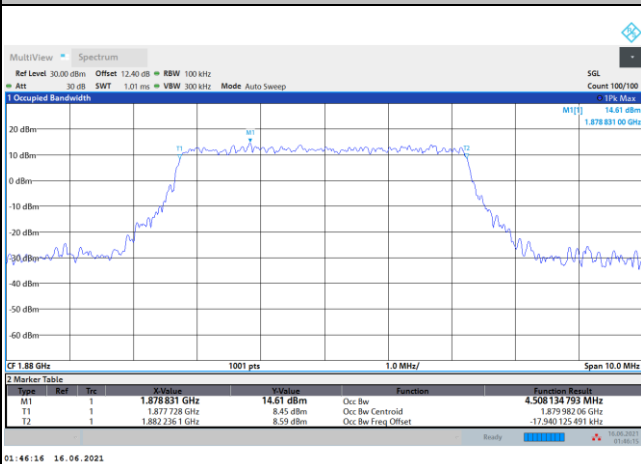
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

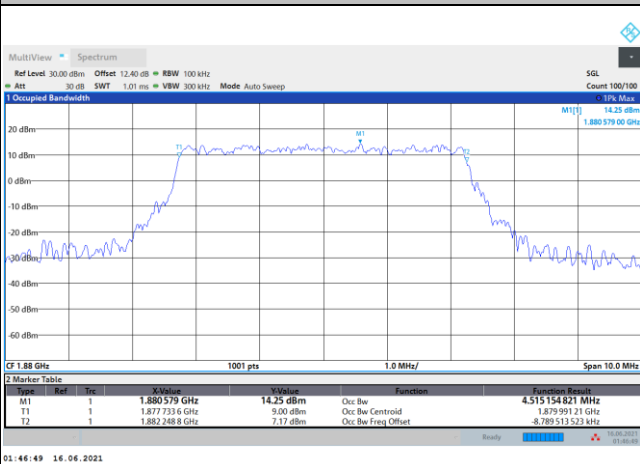


FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB

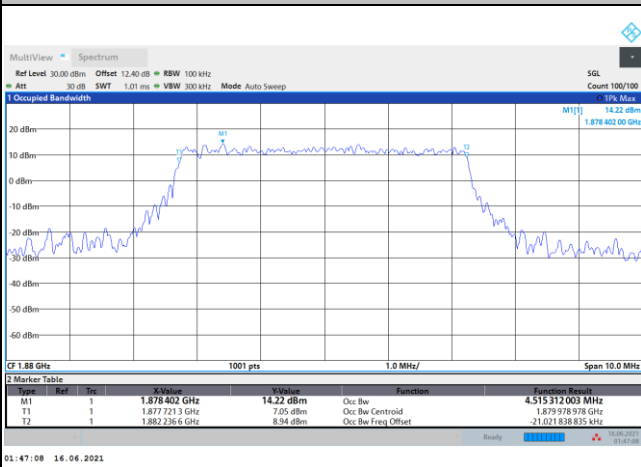
QPSK



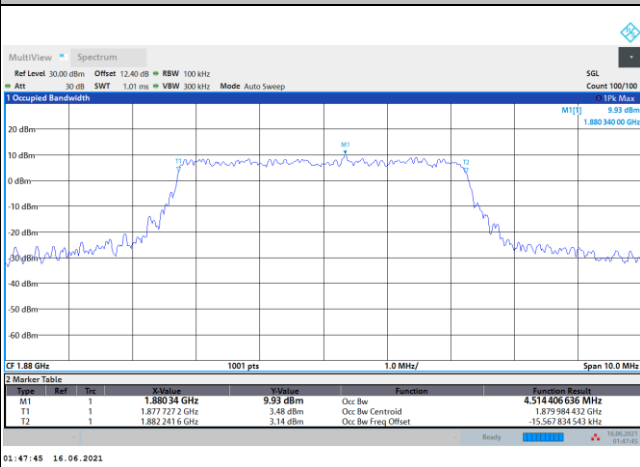
16QAM



64QAM



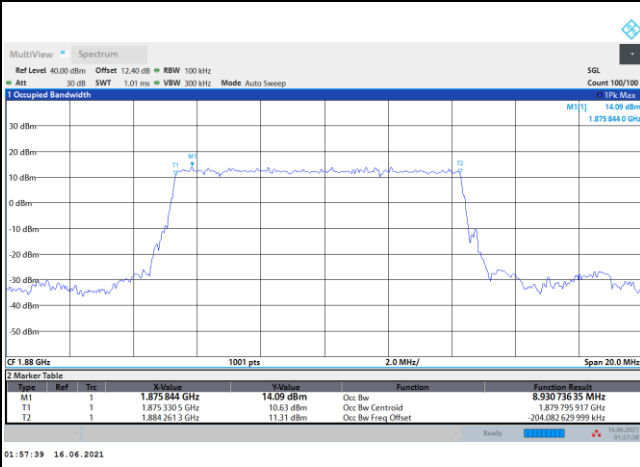
256QAM





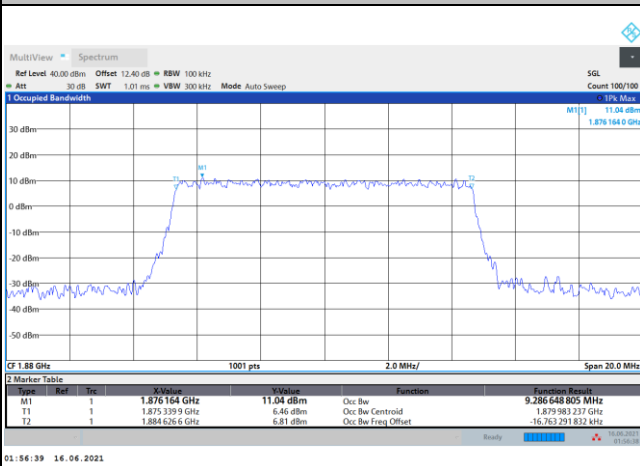
FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

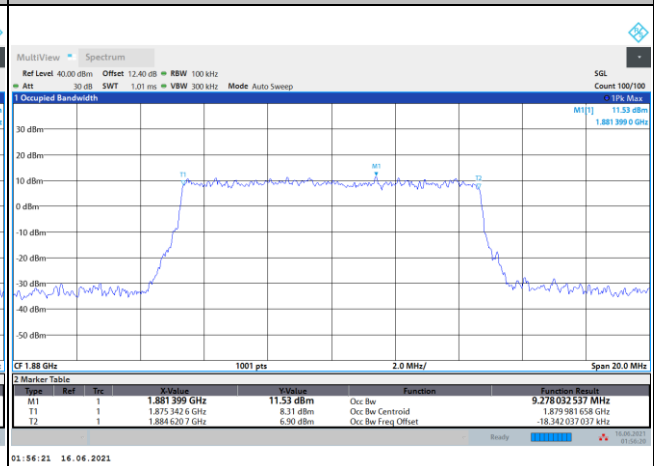


FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB

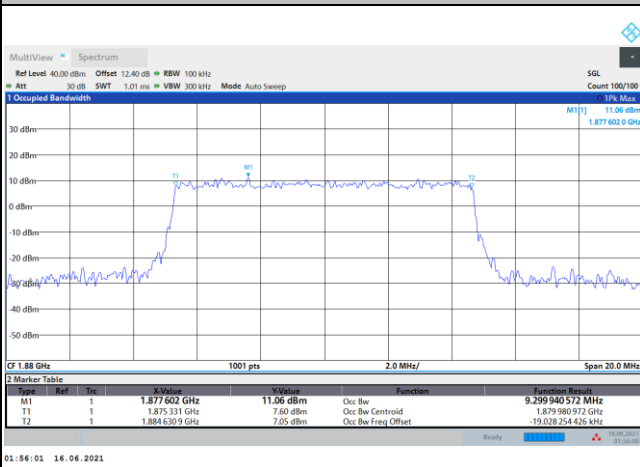
QPSK



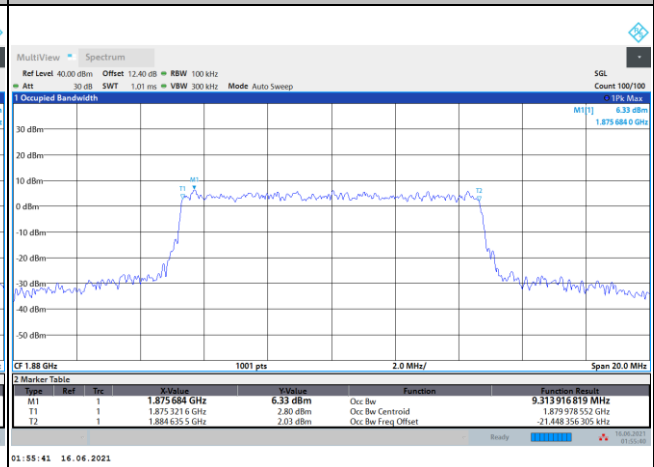
16QAM



64QAM



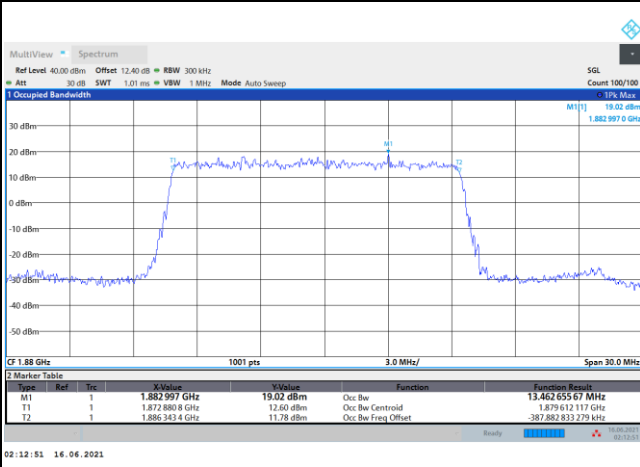
256QAM





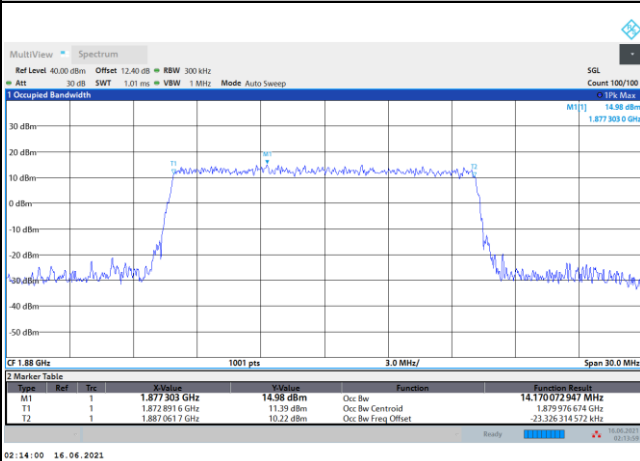
FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

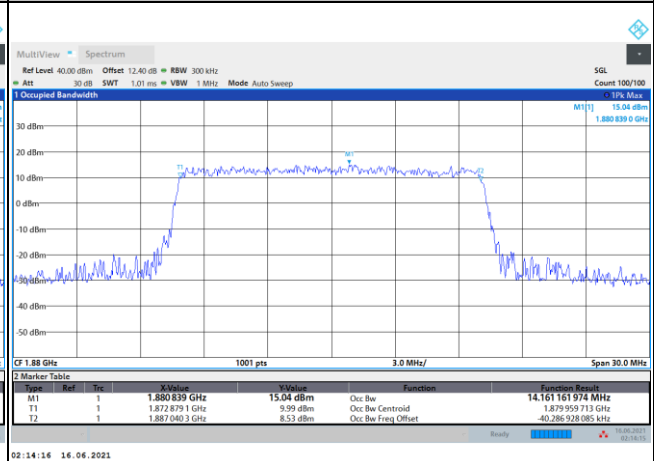


FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB

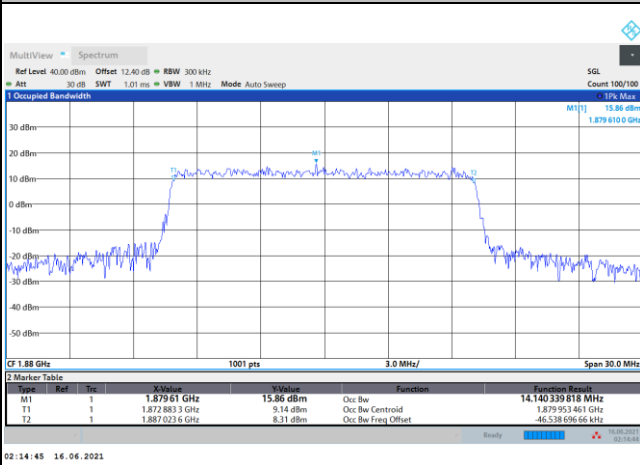
QPSK



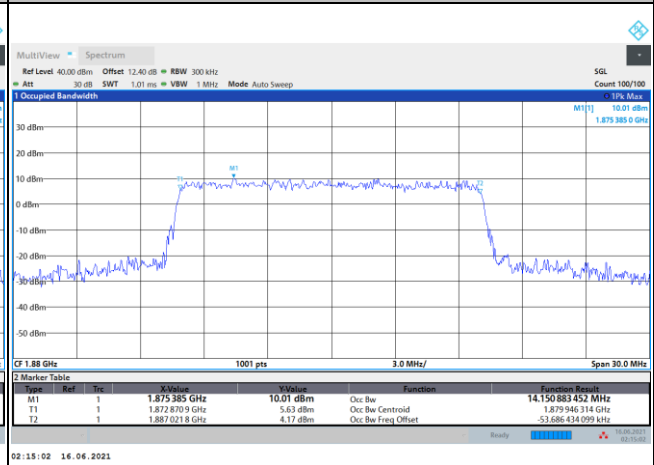
16QAM



64QAM



256QAM

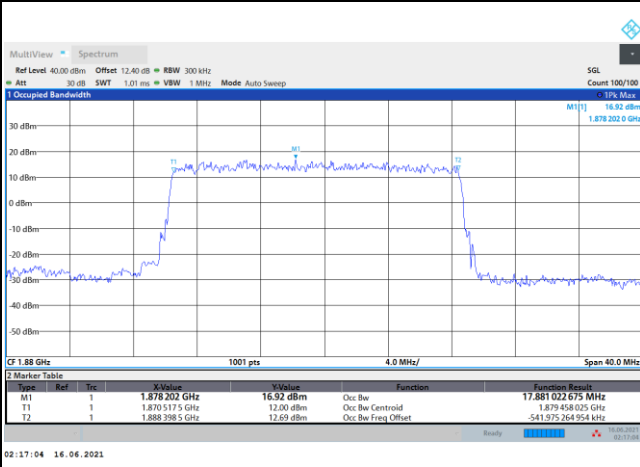






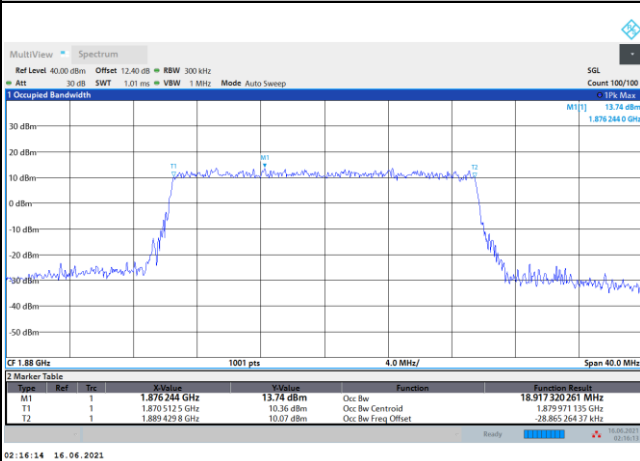
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

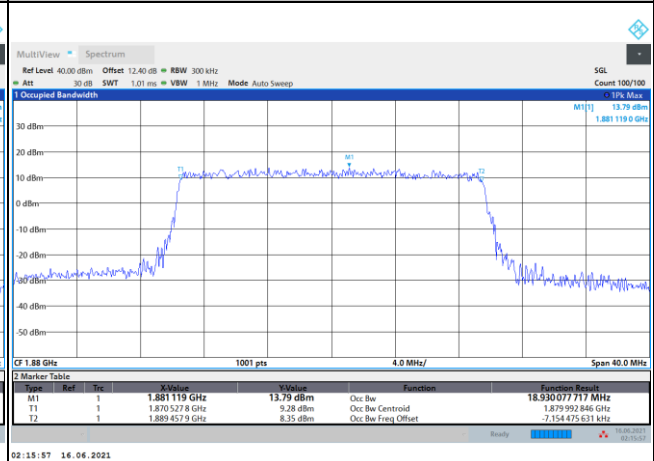


FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB

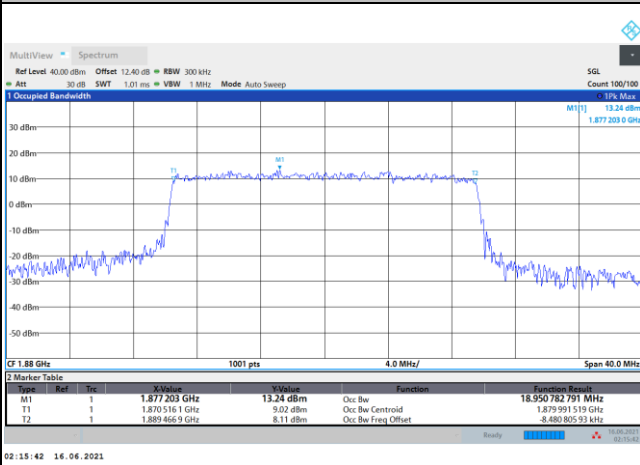
QPSK



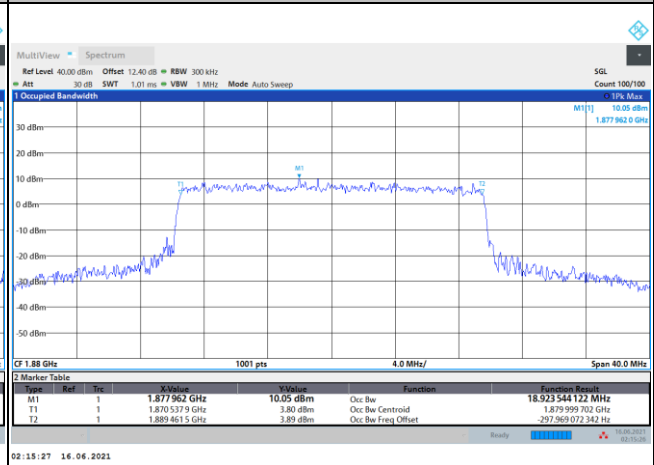
16QAM



64QAM



256QAM



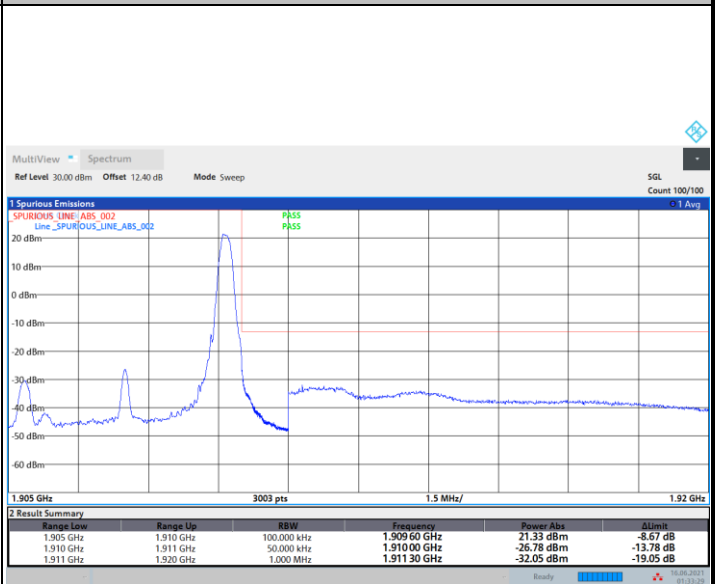
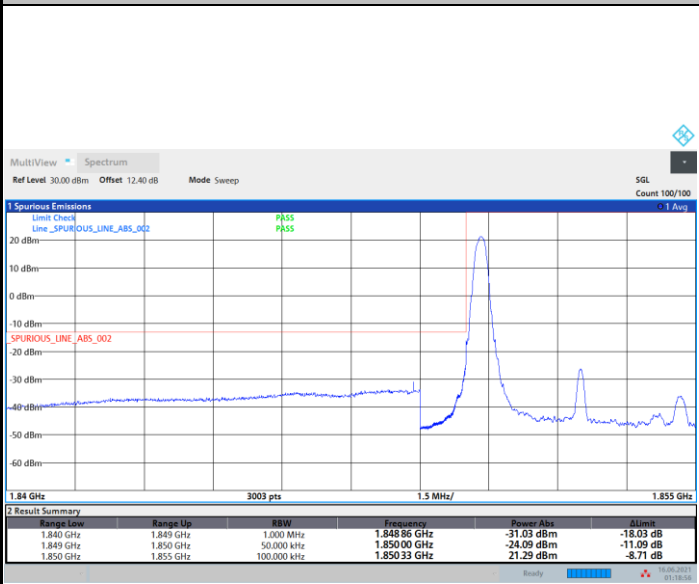


# Conducted Band Edge

FR1 n2 / 5MHz / DFT-S OFDM / PI/2 BPSK

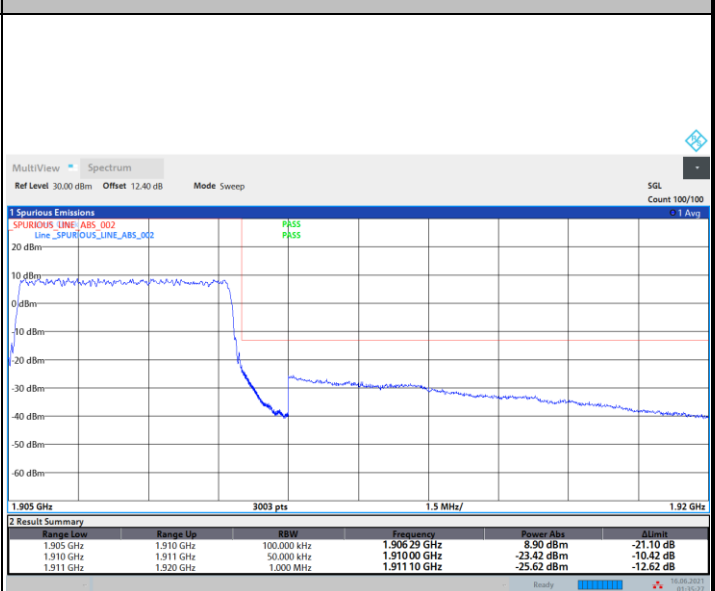
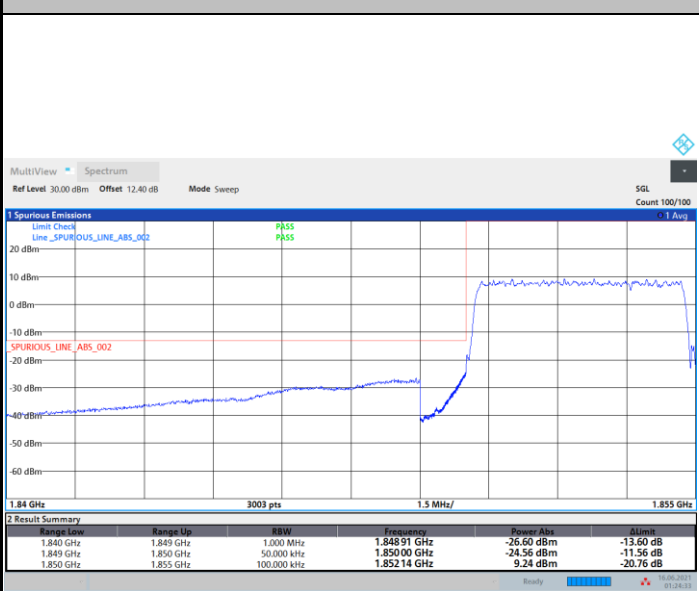
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

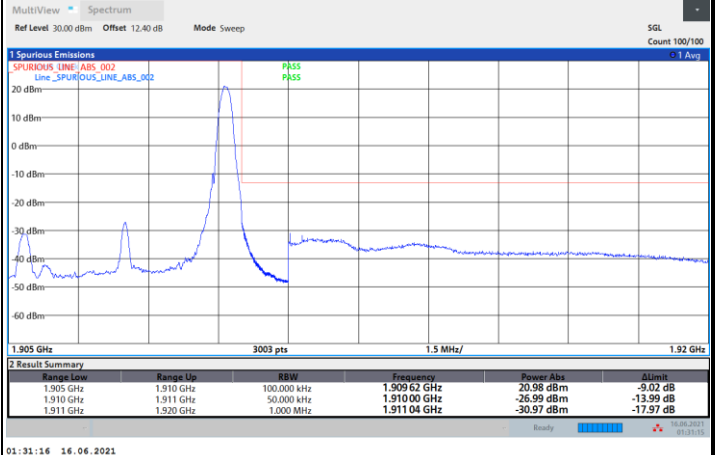
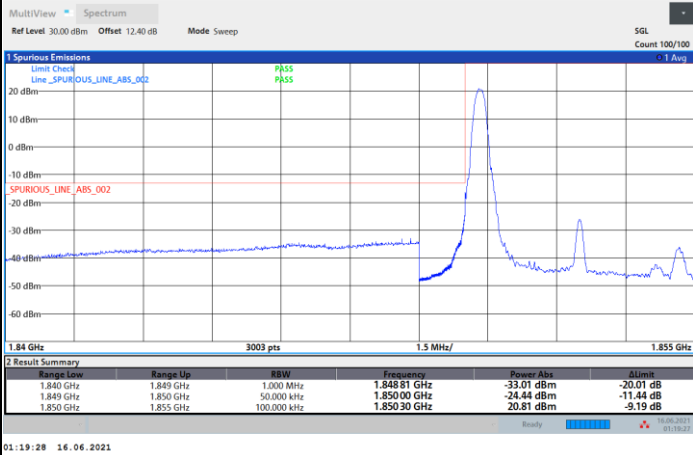




FR1 n2 / 5MHz / DFT-S OFDM / QPSK

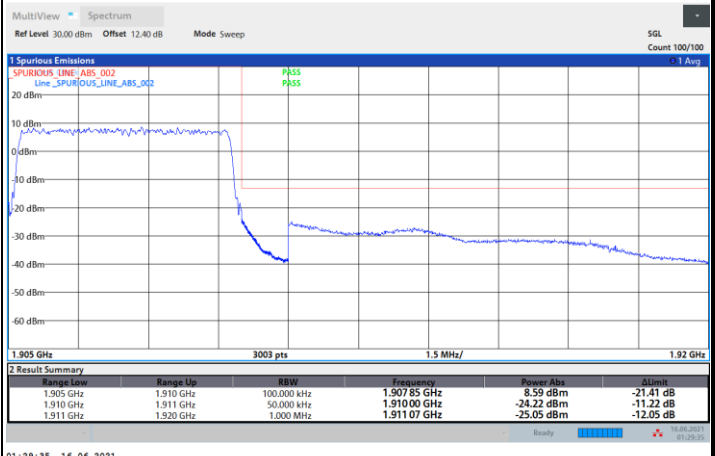
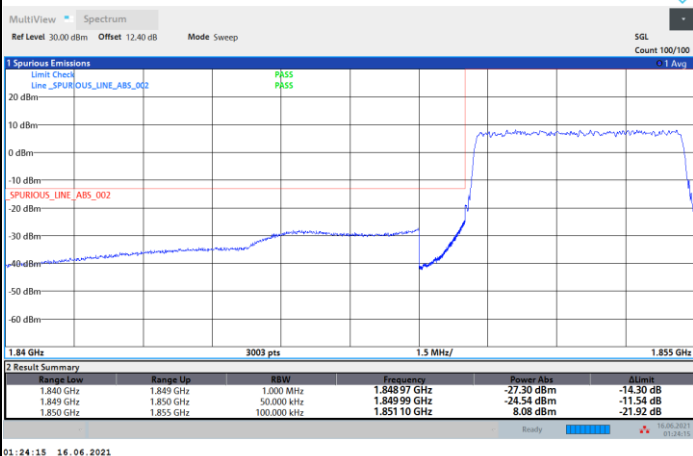
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

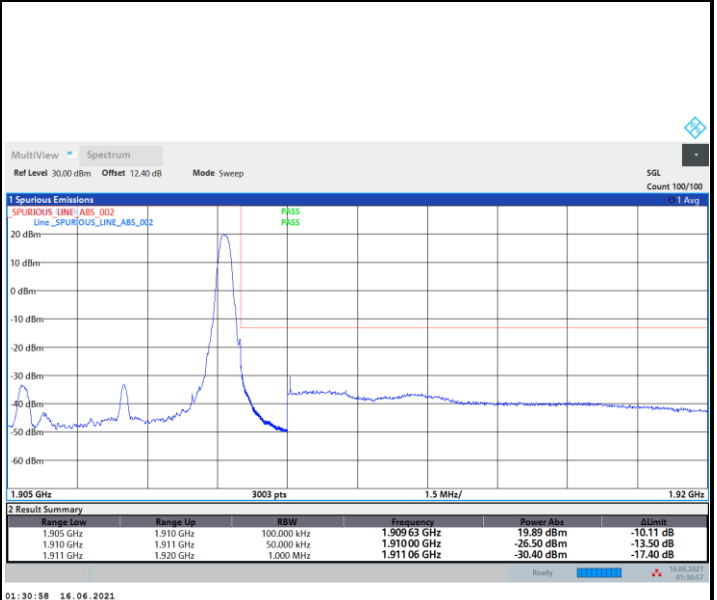
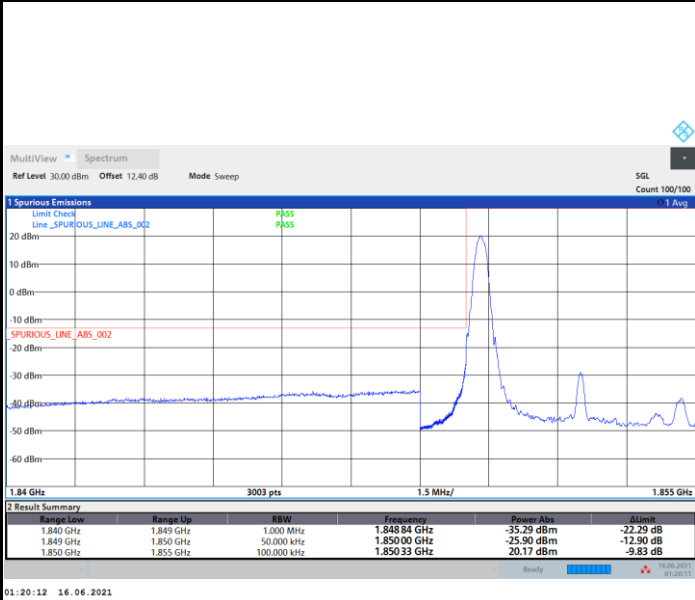




FR1 n2 / 5MHz / DFT-S OFDM / 16QAM

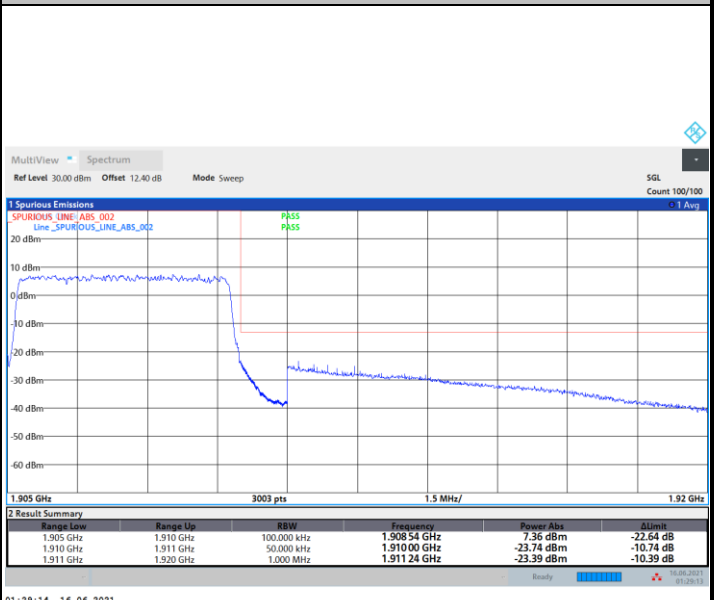
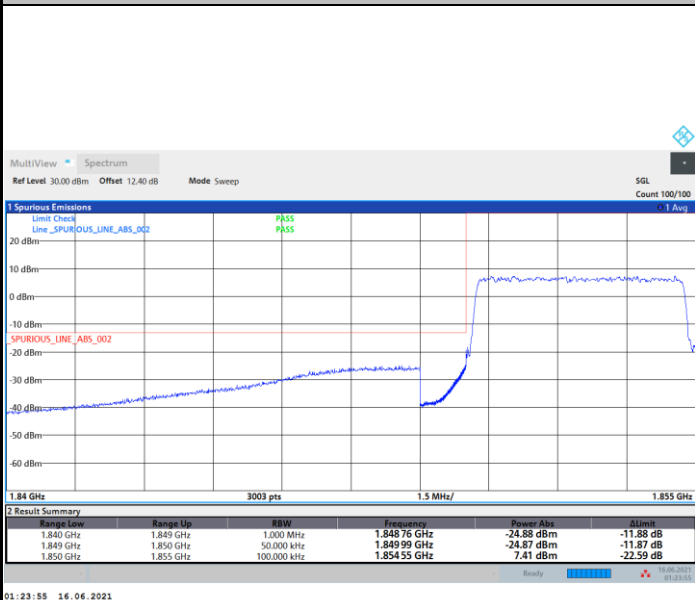
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

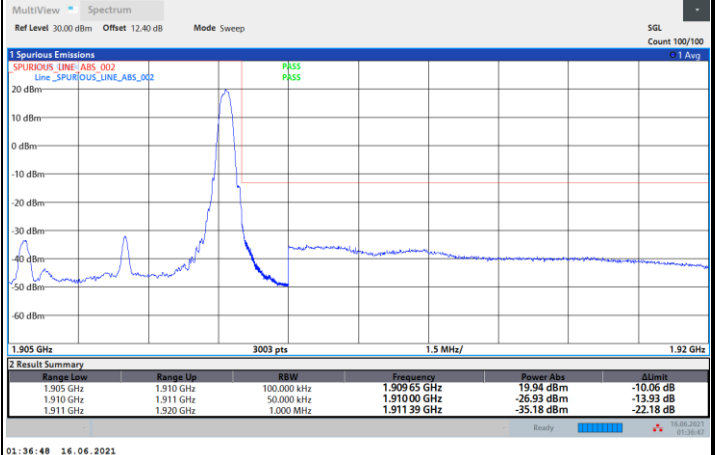
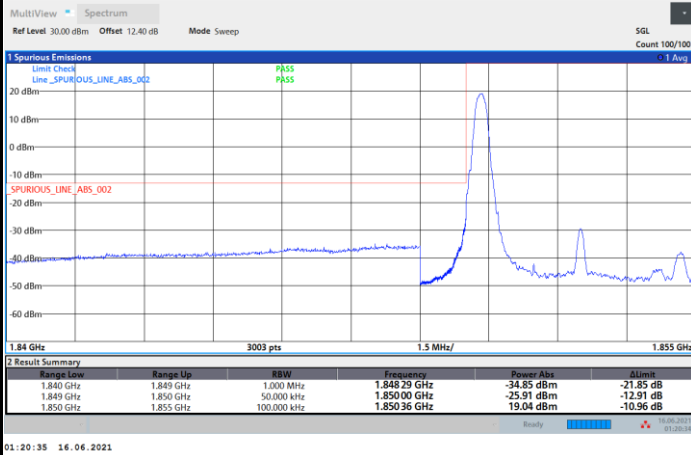




FR1 n2 / 5MHz / DFT-S OFDM / 64QAM

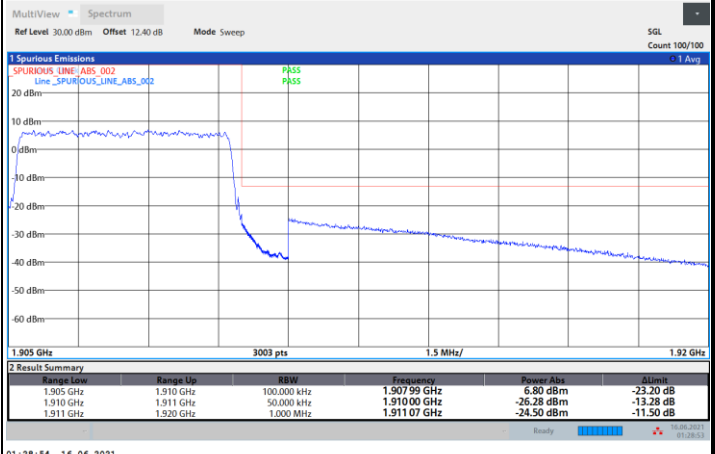
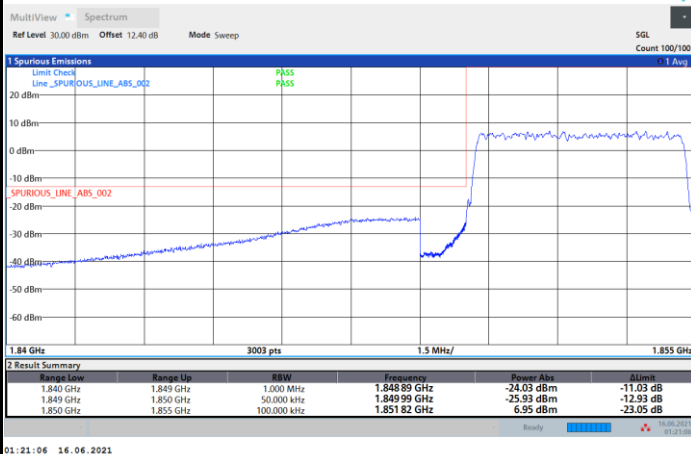
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

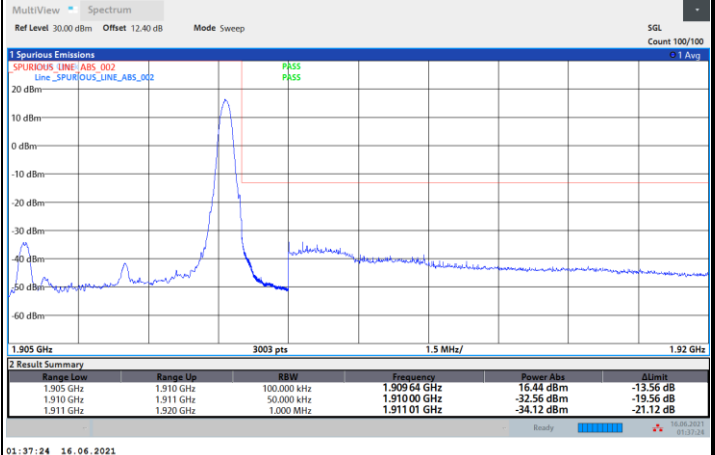
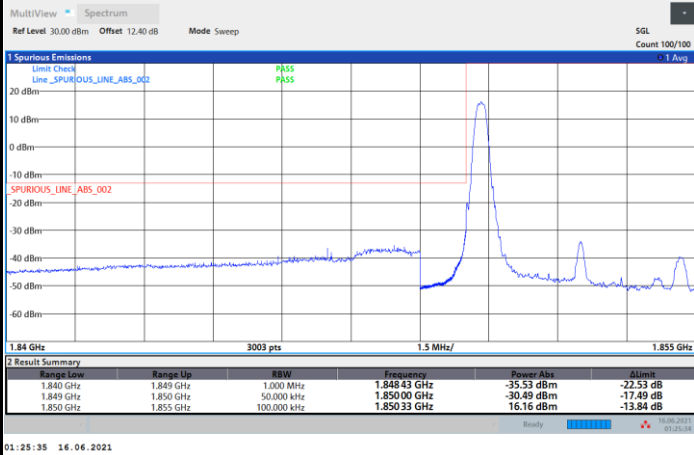




FR1 n2 / 5MHz / DFT-S OFDM / 256QAM

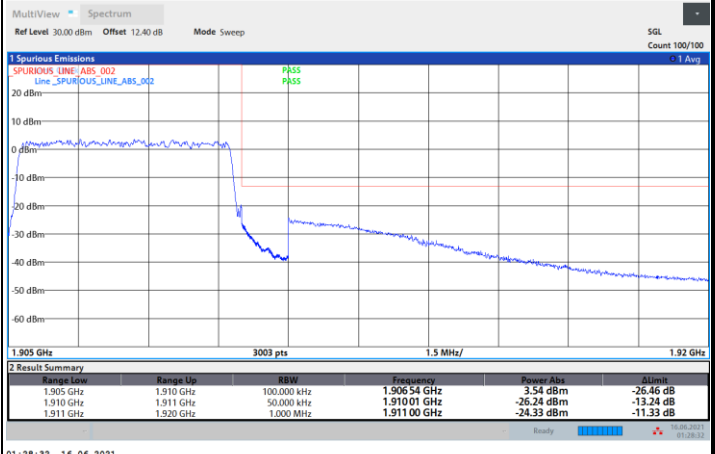
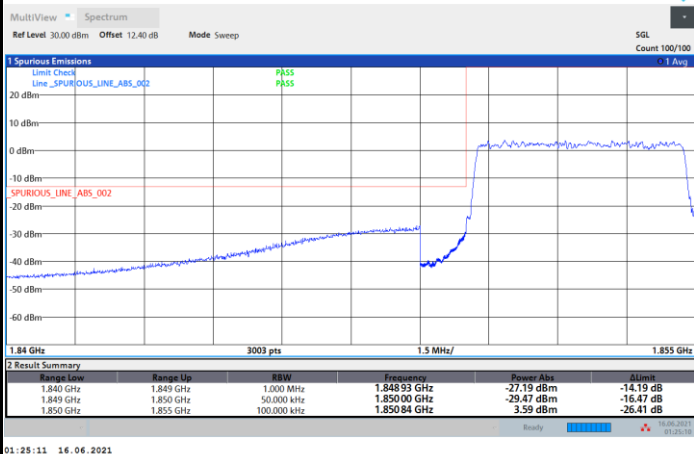
Lowest Band Edge / 1RB0

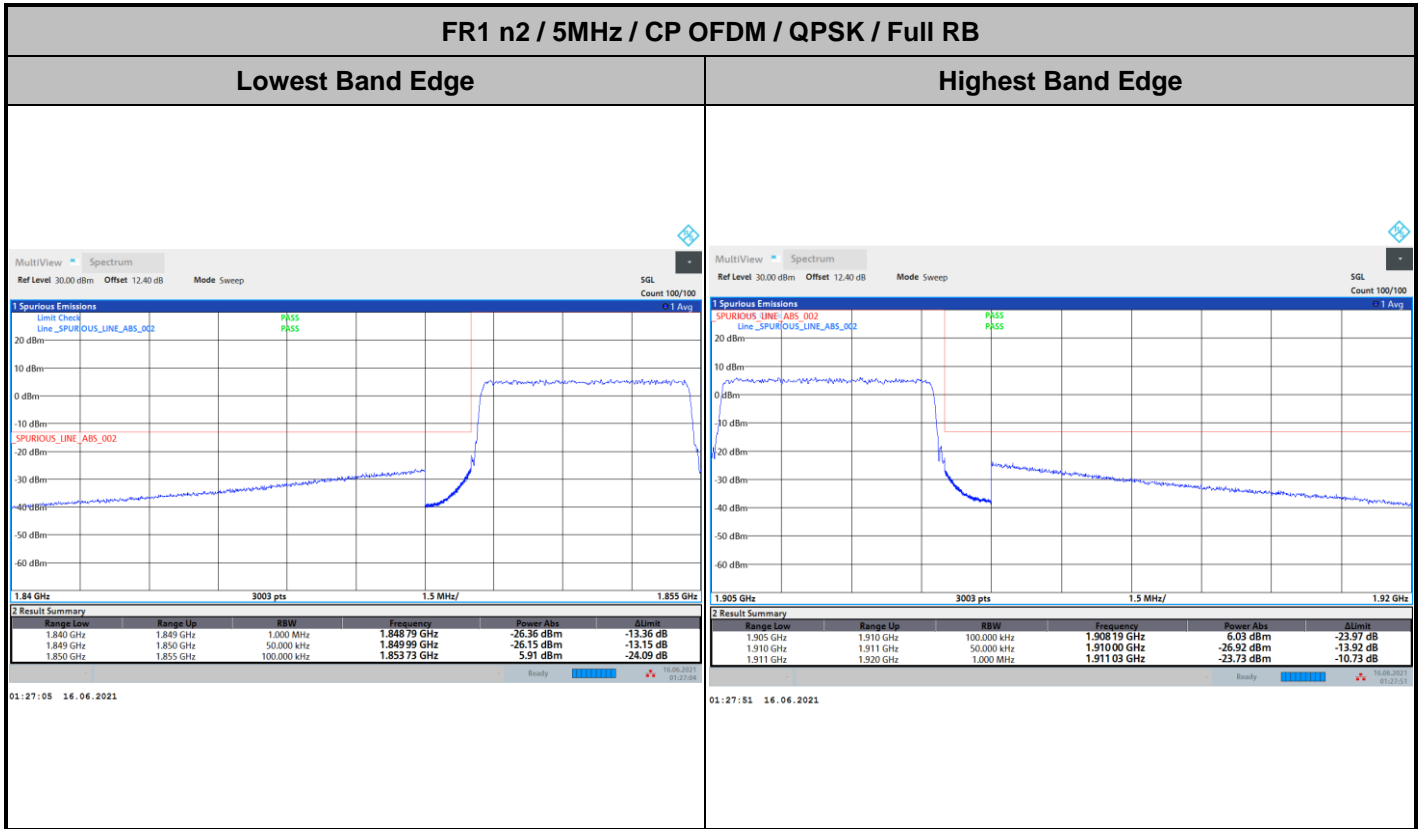
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB







FR1 n2 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

Highest Band Edge





