



# FCC RADIO TEST REPORT

**FCC ID** : A4RG1F8F  
**Equipment** : Phone  
**Model Name** : G1F8F  
**Applicant** : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
**Standard** : FCC 47 CFR Part 2, 27

The product was received on Dec. 15, 2020 and testing was started from Dec. 17, 2020 and completed on Mar. 12, 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 partial 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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**Appendix A. Test Results of Conducted Test**

**Appendix B. Test Results of Radiated Test**





### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§27.50 (h)(2)	Equivalent Isotropic Radiated Power (n41)	Pass	-
	§27.50 (j)(3)	Equivalent Isotropic Radiated Power (n78)	Pass	-
3.3	§27.50 (j)(4)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §27.53 (l)(2)	Conducted Band Edge Measurement (n78)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n41)		
3.6	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (n78)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n41)		
3.7	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §27.53 (l)(2)	Radiated Spurious Emission (n78)	Pass	Under limit 3.88 dB at 7489.000 MHz for Primary Antenna
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n41)	Pass	Under limit 12.29 dB at 7755.000 MHz for ASDIV Antenna

**Note:** The RF and antenna design is the same across all two device. Hence, the test data can represent among all the two device in this test report. The test has been performed with the selected Sporton Report No.: FG001507-01B.

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and Explanations:</b>
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: Wii Chang

Report Producer: Cindy Liu



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
Model Name	G1F8F
FCC ID	A4RG1F8F
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/5G NR /NFC/GNSS WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

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

EUT Information List	
S/N	Performed Test Item
0B271FQCB00053	Conducted Measurement EIRP
0C121FQCB00033	Radiated Spurious Emission



## 1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
<b>Tx Frequency</b>	5G NR n41: 2506.02 MHz ~ 2679.99 MHz 5G NR n78: 3710.01 MHz ~ 3789.99 MHz
<b>Rx Frequency</b>	5G NR n41: 2506.02 MHz ~ 2679.99 MHz 5G NR n78: 3710.01 MHz ~ 3789.99 MHz
<b>Bandwidth</b>	5G NR n41: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz 5G NR n78: 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz
<b>Maximum Output Power to Antenna &lt;DFT-s-OFDM&gt;</b>	<Primary Antenna> <Ant. 2> 5G NR n41 : 25.60 dBm <Ant. 5> 5G NR n41 : 25.46 dBm 5G NR n41 : 27.37 dBm for HPUE <Ant. 7> 5G NR n78 : 26.13 dBm for HPUE <ASDIV Antenna> <Ant. 0> 5G NR n41 : 24.57 dBm <Ant. 2> 5G NR n78: 25.54 dBm for HPUE
<b>Antenna Type</b>	<Primary Antenna>: <Ant. 2>: IFA Antenna type <Ant. 5>: IFA Antenna type <Ant. 7>: IFA Antenna type <ASDIV Antenna>: <Ant. 0>: Monopole with aperture Antenna type <Ant. 2>: IFA Antenna type
<b>Type of Modulation</b>	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

### <Primary Antenna>

Radio Tech	Band Number	Antenna name	Gain
5G NR	n41_HPUE	ANT5	-3.64
5G NR	n41	ANT2	0.2
5G NR	n78_HPUE	ANT7	-3.0

### <ASDIV Antenna>

Radio Tech	Band Number	Antenna name	Gain
5G NR	n41	ANT0	-5.5
5G NR	n78_HPUE	ANT2	-2.8

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



### 1.3 Modification of EUT

No modifications 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> TH05-HY
<b>Test Engineer</b>	Hao Hsu, Howard Lin and Peter Liao
<b>Temperature</b>	19.1~23.5°C
<b>Relative Humidity</b>	40.5~69.9%

<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>	24.3~26.4°C
<b>Relative Humidity</b>	58~66%
<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 TW0007



## 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, 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. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.





## 2 Test Configuration of Equipment Under Test

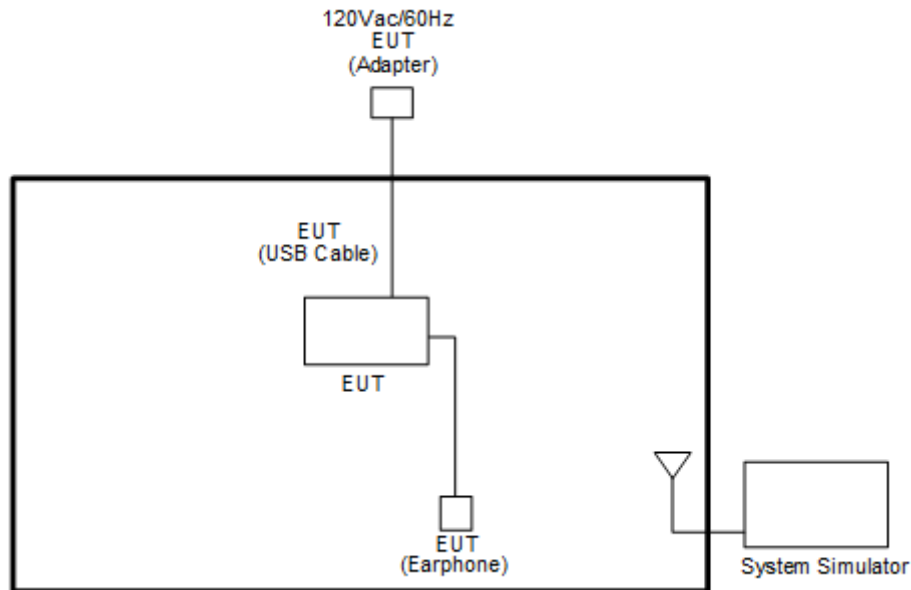
### 2.1 Test Mode

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

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Primary Antenna: Y Plane for ENDC 66A\_ n41A, 5G NR n78 (HPUE), 5G NR n41 (HPUE) ; Z Plane for ENDC 26A\_n41A; ASDIV Antenna: Z Plane for ENDC 26A\_n41A, 5G NR n78 (HPUE)) were recorded in this report.

Test Items	NR Band	Bandwidth (MHz)								Modulation					RB #			Test Channel		
		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	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n78	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n41	v								v	v	v	v	v			v		v	
	n78	v	-							v	v	v	v	v			v		v	
26dB and 99% Bandwidth	n41	v	v	v	v	v	v	v	v	v	v	v	v	v			v		v	
	n78	v	-	v	v	v	v	v	v	v	v	v	v	v			v		v	
Conducted Band Edge	n41	v								v	v	v	v	v	v		v	v	v	
	n78	v	-							v	v	v	v	v	v		v	v	v	
Conducted Spurious Emission	n41	v									v				v			v	v	
	n78	v	-								v				v			v	v	
Frequency Stability	n41	v								v							v		v	
	n78	v	-							v							v		v	
E.I.R.P	n41	v	v	v	v	v	v	v	v	v	v	v	v	v	Max. Power					
	n78	v	-	v	v	v	v	v	v	v	v	v	v							
Radiated Spurious Emission	n41	Worst Case															v	v	v	
	n78	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>All the radiated test cases were performed with Adapter 1 and USB Cable 1.</li> <li>Test combination is 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, and the worst modes of FR1 and LTE for simultaneous transmission were verified and compliant.</li> <li>All the test items were performance with 5G NR n41 and n78 HPUE in this report, Since the verify power, the smaller power can be covered by the higher power. All test items the 5G NR n41 HPUE cover by 5G NR n41.</li> </ol>																			

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

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

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

$$= 4.2 + 10 = 14.2 \text{ (dB)}$$



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

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	2511.00	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99

5G NR n78 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	650000	-
	Frequency	-	3750	-
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99

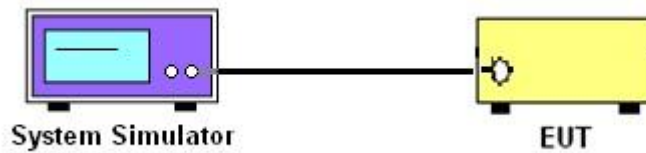
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

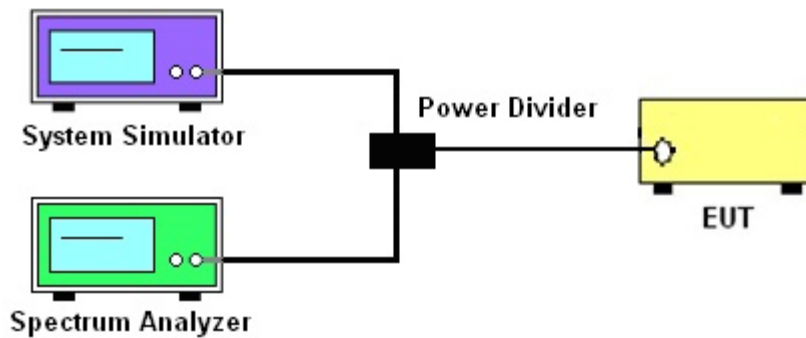
See list of measuring instruments of this test report.

##### 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 EIRP**

### **3.2.1 Description of the Conducted Output Power Measurement and 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 EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n41 and n78

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

##### 27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log (P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log (P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

##### 27.53 (l)(2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.





### **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 LTE Band 41

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 LTE Band 41

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

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10<sup>th</sup> 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 LTE Band 41

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

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.

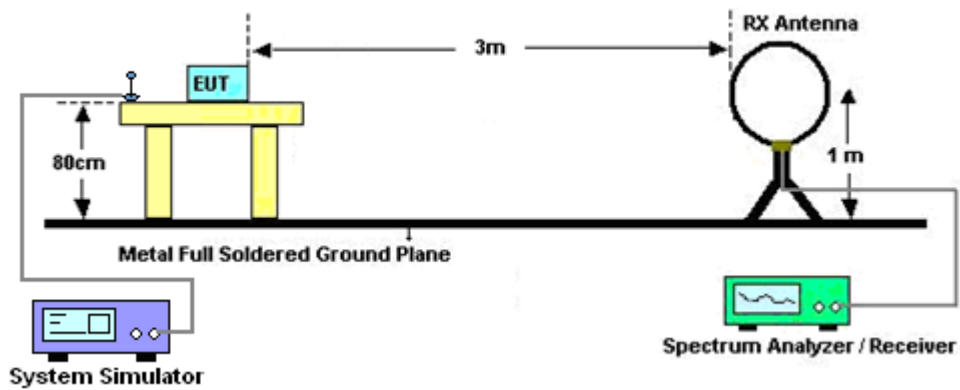
## 4 Radiated Test Items

### 4.1 Measuring Instruments

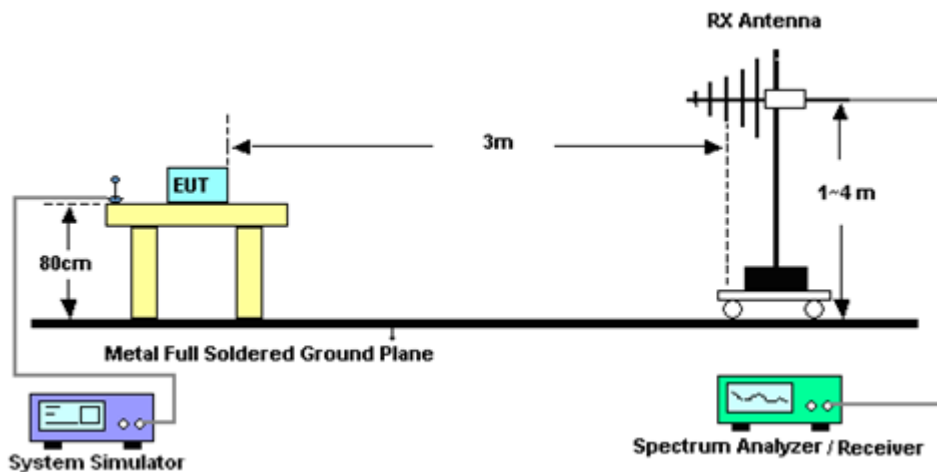
See list of measuring instruments of this test report.

#### 4.1.1 Test Setup

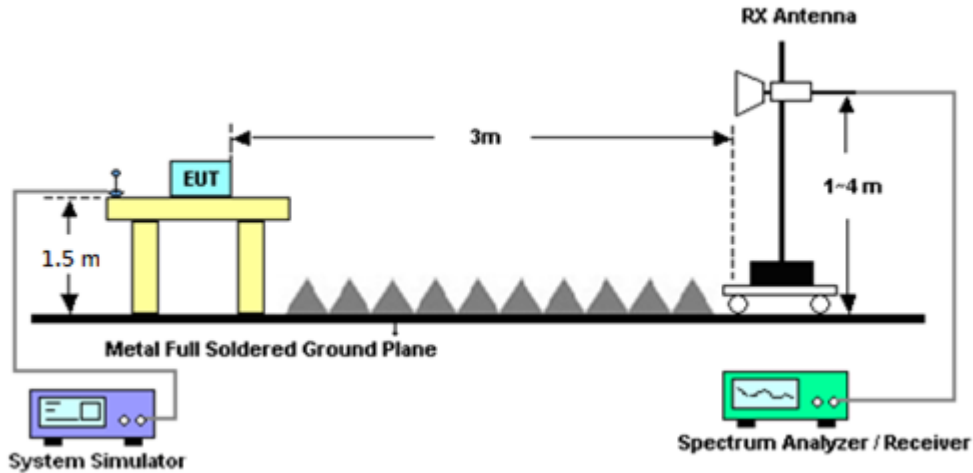
For radiated test below 30MHz



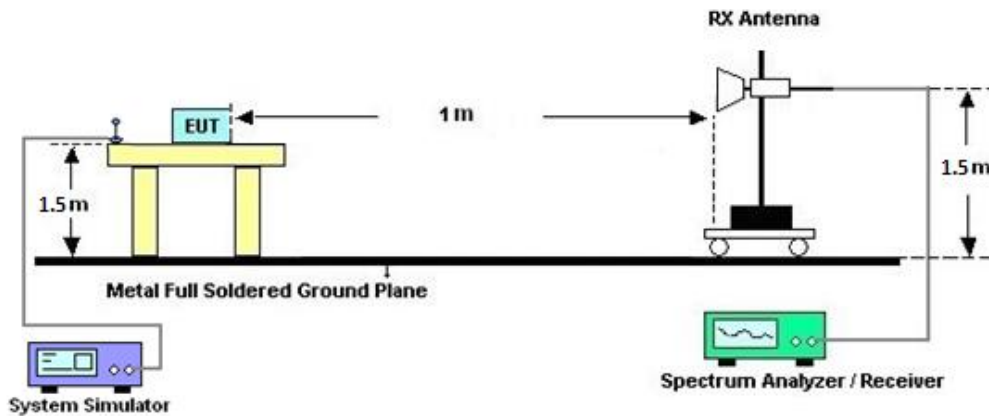
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



#### 4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

**Note:**

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

There is a comparison data 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 LTE Band 41

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 LTE Band 41

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

EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

ERP (dBm) = EIRP - 2.15



## 5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Jan. 15, 2021~ Jan. 27, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Mar. 11, 2021~ Mar. 12, 2021	Jan. 03, 2022	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 29, 2020	Jan. 15, 2021~ Mar. 12, 2021	Apr. 28, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Nov. 23, 2020	Jan. 15, 2021~ Mar. 12, 2021	Nov. 22, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	9120D-1241	1GHz ~ 18GHz	Jul. 15, 2020	Jan. 15, 2021~ Jan. 27, 2021	Jul. 14, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 20, 2020	Mar. 11, 2021~ Mar. 12, 2021	May 19, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917058 4	18GHz~40GHz	Dec. 11, 2020	Jan. 15, 2021~ Jan. 27, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917057 6	18GHz ~ 40GHz	May 22, 2020	Jan. 15, 2021~ Mar. 12, 2021	May 21, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz~40GHz	Dec. 19, 2020	Mar. 11, 2021~ Mar. 12, 2021	Dec. 18, 2021	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 25, 2020	Jan. 15, 2021~ Mar. 12, 2021	Mar. 24, 2021	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY57280120	1GHz~26.5GHz	Jul. 20, 2020	Jan. 15, 2021~ Mar. 12, 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	Jan. 15, 2021~ Mar. 12, 2021	Dec. 04, 2021	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Jan. 15, 2021~ Mar. 12, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Jan. 15, 2021~ Jan. 27, 2021	Feb. 09, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	Mar. 11, 2021~ Mar. 12, 2021	Jan. 14, 2022	Radiation (03CH12-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Feb. 15, 2020	Jan. 15, 2021~ Jan. 27, 2021	Feb. 14, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Jan. 15, 2021~ Jan. 27, 2021	Mar. 11, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Mar. 11, 2021~ Mar. 12, 2021	Mar. 10, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 11, 2020	Jan. 15, 2021~ Mar. 12, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 25, 2020	Jan. 15, 2021~ Jan. 27, 2021	Feb. 24, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 22, 2021	Mar. 11, 2021~ Mar. 12, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 25, 2020	Jan. 15, 2021~ Jan. 27, 2021	Feb. 24, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 22, 2021	Mar. 11, 2021~ Mar. 12, 2021	Feb. 21, 2022	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303B	TP140349	N/A	Oct. 02, 2020	Jan. 15, 2021~ Jan. 27, 2021	Oct. 01, 2021	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 15, 2021~ Jan. 27, 2021	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jan. 15, 2021~ Mar. 12, 2021	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jan. 15, 2021~ Mar. 12, 2021	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Jan. 15, 2021~ Mar. 12, 2021	N/A	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 21, 2020	Mar. 11, 2021~ Mar. 12, 2021	Mar. 20, 2021	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 OST	SN2	3GHz High Pass Filter	Jul. 14, 2020	Mar. 11, 2021~ Mar. 12, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN2	6.75GHz High Pass Filter	Mar. 18, 2020	Mar. 11, 2021~ Mar. 12, 2021	Mar. 17, 2021	Radiation (03CH12-HY)
DC Power Supply	GW Instek	GPE-2323	GEU871219	Voltage:0~64V; Current:0~6A	Aug. 19, 2020	Dec. 17, 2020~ Mar. 11, 2021	Aug. 18, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz~40GHz	May 05, 2020	Dec. 17, 2020~ Mar. 11, 2021	May 04, 2021	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8821C	6261849015	LTE	Sep. 18, 2020	Dec. 17, 2020~ Mar. 11, 2021	Sep. 17, 2021	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8000A	6261940327	5GNR	Sep. 23, 2020	Dec. 17, 2020~ Mar. 11, 2021	Sep. 22, 2021	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃~95℃	May 15, 2020	Dec. 17, 2020~ Mar. 11, 2021	May 14, 2021	Conducted (TH05-HY)





## 6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.07
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.21
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.80
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## Appendix A. Test Results of Conducted Test

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

<Primary Antenna>

<DFT-s-OFDM>

<Ant. 2>

NR n41 Maximum Average Power [dBm] (GT - LC = 0.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.99	24.95	25.05	25.26	0.3357		
20	1	49		25.06	24.89	24.80				
20	25	12		25.02	24.89	24.92				
20	1	0		24.63	24.49	24.73				
20	1	50		24.64	24.43	24.32				
20	50	0		24.56	24.45	24.52				
20	1	1	QPSK	24.96	24.94	25.03			24.5	0.2818
20	1	49		25.03	24.88	24.75				
20	25	12		24.98	24.85	24.91				
20	1	0		24.10	24.02	24.15				
20	1	50		24.16	23.92	23.81				
20	50	0		24.09	24.00	24.04				
20	1	1	16-QAM	24.24	24.10	24.30	24.5	0.2818		
20	1	1	64-QAM	22.74	22.40	22.72				
20	1	1	256-QAM	20.21	20.22	20.29				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 0.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.80	24.80	24.80	25	0.3162		
30	1	76		24.70	24.70	24.70				
30	36	18		24.70	24.70	24.70				
30	1	0		24.70	24.70	24.70				
30	1	77		24.70	24.70	24.70				
30	75	0		24.70	24.70	24.70				
30	1	1	QPSK	24.70	24.70	24.70			24.9	0.3090
30	1	76		24.60	24.60	24.60				
30	36	18		24.60	24.60	24.60				
30	1	0		24.60	24.60	24.60				
30	1	77		24.60	24.60	24.60				
30	75	0		24.60	24.60	24.60				
30	1	1	16-QAM	24.70	24.70	24.70	24.9	0.3090		
30	1	1	64-QAM	23.70	23.70	23.70				
30	1	1	256-QAM	22.00	22.00	22.00				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = 0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.35	25.26	25.34	25.64	0.3664
40	1	104		25.40	25.29	25.13		
40	50	25		25.37	25.18	25.38		
40	1	0		24.97	24.82	24.97		
40	1	105		25.02	24.79	24.74		
40	100	0		24.99	24.82	24.95		
40	1	1	QPSK	25.33	25.24	25.28		
40	1	104		25.44	25.26	25.11		
40	50	25		25.34	25.15	25.34		
40	1	0		24.47	24.30	24.40		
40	1	105		24.53	24.35	24.25		
40	100	0		24.46	24.29	24.45		
40	1	1	16-QAM	24.49	24.48	24.47	24.69	0.2944
40	1	1	64-QAM	22.95	22.75	22.98		
40	1	1	256-QAM	20.62	20.71	20.70		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.50	25.50	25.60	25.8	0.3800
50	1	131		25.40	25.40	25.30		
50	64	32		25.40	25.40	25.40		
50	1	0		25.20	25.20	25.40		
50	1	132		25.10	25.10	25.00		
50	128	0		25.10	25.10	25.10		
50	1	1	QPSK	25.40	25.40	25.50		
50	1	131		25.30	25.30	25.30		
50	64	32		25.30	25.30	25.30		
50	1	0		24.80	24.60	24.90		
50	1	132		24.60	24.80	24.60		
50	128	0		24.50	24.60	24.70		
50	1	1	16-QAM	24.70	24.70	25.00	25.2	0.3310
50	1	1	64-QAM	23.40	23.30	23.60		
50	1	1	256-QAM	21.70	21.70	21.80		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = 0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.03	24.90	24.91	25.35	0.3428
60	1	160		25.15	24.87	24.85		
60	81	40		25.09	24.84	24.95		
60	1	0		24.58	24.45	24.50		
60	1	161		24.87	24.48	24.41		
60	162	0		24.67	24.55	24.49		
60	1	1	QPSK	24.95	24.87	24.89		
60	1	160		25.11	24.86	24.81		
60	81	40		25.07	24.82	24.89		
60	1	0		24.03	24.01	24.03		
60	1	161		24.21	24.06	23.96		
60	162	0		24.20	23.96	24.01		
60	1	1	16-QAM	24.18	24.02	24.09	24.38	0.2742
60	1	1	64-QAM	22.64	22.52	22.36		
60	1	1	256-QAM	20.37	20.44	20.34		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.21	25.33	25.21	25.53	0.3573
80	1	215		25.19	25.08	25.09		
80	108	54		25.33	25.15	25.19		
80	1	0		24.90	24.86	24.79		
80	1	216		24.80	24.73	24.61		
80	216	0		24.98	24.79	24.75		
80	1	1	QPSK	25.25	25.32	25.17		
80	1	215		25.12	25.09	25.08		
80	108	54		25.26	25.18	25.23		
80	1	0		24.29	24.45	24.40		
80	1	216		24.31	24.15	24.20		
80	216	0		24.37	24.29	24.30		
80	1	1	16-QAM	24.39	24.43	24.55	24.75	0.2985
80	1	1	64-QAM	22.90	22.99	22.92		
80	1	1	256-QAM	20.79	20.77	20.65		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = 0.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.10	25.20	25.10	25.4	0.3467		
90	1	243		24.90	25.10	24.90				
90	120	60		24.80	25.00	25.00				
90	1	0		25.00	25.20	25.00				
90	1	244		24.90	25.10	24.90				
90	240	0		24.90	25.00	25.00				
90	1	1	QPSK	25.00	25.10	25.00			25.2	0.3311
90	1	243		24.80	25.00	24.80				
90	120	60		24.70	25.00	24.90				
90	1	0		24.80	24.80	24.90				
90	1	244		24.50	24.70	24.60				
90	240	0		24.60	24.70	24.90				
90	1	1	16-QAM	24.90	24.90	25.00	25.2	0.3311		
90	1	1	64-QAM	23.40	23.40	23.50				
90	1	1	256-QAM	21.80	21.80	21.90				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 0.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	25.16	25.34	25.17	25.54	0.3581		
100	1	271		25.09	25.12	25.14				
100	135	67		25.34	25.25	25.15				
100	1	0		24.83	24.90	24.79				
100	1	272		24.69	24.72	24.82				
100	270	0		24.96	24.83	24.86				
100	1	1	QPSK	25.19	25.29	25.09			24.62	0.2897
100	1	271		25.11	25.18	25.13				
100	135	67		25.30	25.18	25.20				
100	1	0		24.29	24.48	24.22				
100	1	272		24.23	24.32	24.46				
100	270	0		24.36	24.33	24.32				
100	1	1	16-QAM	24.34	24.42	24.34	24.62	0.2897		
100	1	1	64-QAM	22.92	22.86	22.59				
100	1	1	256-QAM	20.66	20.73	20.68				
Limit	EIRP < 2W			Result			Pass			



<Ant. 5>

NR n41 Maximum Average Power [dBm] (GT - LC = -3.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.29	24.97	24.59	21.48	0.1406
20	1	49		24.88	24.90	24.42		
20	25	12		24.56	24.93	24.55		
20	1	0		23.85	24.59	24.20		
20	1	50		24.49	24.51	23.98		
20	50	0		24.09	24.55	24.25		
20	1	1	QPSK	24.32	25.12	24.66		
20	1	49		24.90	24.88	24.45		
20	25	12		24.54	24.91	24.60		
20	1	0		23.40	24.15	23.82		
20	1	50		24.10	23.98	23.59		
20	50	0		23.62	24.02	23.75		
20	1	1	16-QAM	23.31	24.29	24.11	20.65	0.1161
20	1	1	64-QAM	22.06	22.76	22.19		
20	1	1	256-QAM	19.62	20.38	20.08		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -3.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	24.46	25.11	24.66	21.62	0.1452
30	1	76		25.26	24.96	24.51		
30	36	18		24.71	24.91	24.56		
30	1	0		24.41	25.06	24.61		
30	1	77		25.21	24.91	24.46		
30	75	0		24.66	24.86	24.51		
30	1	1	QPSK	24.41	25.01	24.61		
30	1	76		25.21	24.91	24.46		
30	36	18		24.66	24.96	24.61		
30	1	0		24.16	24.71	24.36		
30	1	77		24.96	24.61	24.21		
30	75	0		24.41	24.66	24.26		
30	1	1	16-QAM	24.36	24.91	24.56	21.27	0.1340
30	1	1	64-QAM	22.86	23.61	23.06		
30	1	1	256-QAM	20.86	21.46	21.36		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -3.64 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	24.51	25.35	25.07	21.82	0.1521		
40	1	104		25.34	25.23	24.79				
40	50	25		25.05	25.18	24.95				
40	1	0		24.08	25.01	24.59				
40	1	105		24.94	24.77	24.39				
40	100	0		24.73	24.85	24.57				
40	1	1	QPSK	24.47	25.46	25.00			21.06	0.1276
40	1	104		25.31	25.22	24.80				
40	50	25		25.15	25.17	24.88				
40	1	0		23.63	24.56	24.15				
40	1	105		24.43	24.29	23.88				
40	100	0		24.21	24.35	24.02				
40	1	1	16-QAM	23.90	24.70	24.48	21.06	0.1276		
40	1	1	64-QAM	21.97	22.97	22.55				
40	1	1	256-QAM	20.00	20.76	20.39				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -3.64 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	24.69	25.29	25.39	21.75	0.1496		
50	1	131		25.39	25.19	24.89				
50	64	32		24.99	25.19	24.99				
50	1	0		24.49	25.09	24.89				
50	1	132		25.09	24.99	24.49				
50	128	0		24.79	24.99	24.59				
50	1	1	QPSK	24.59	25.19	25.29			20.95	0.1245
50	1	131		25.29	25.09	24.79				
50	64	32		24.89	25.09	24.89				
50	1	0		23.99	24.59	24.39				
50	1	132		24.59	24.49	23.99				
50	128	0		24.19	24.39	24.09				
50	1	1	16-QAM	24.09	24.59	24.39	20.95	0.1245		
50	1	1	64-QAM	22.69	23.19	23.09				
50	1	1	256-QAM	20.79	21.49	21.39				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -3.64 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	24.25	25.16	24.75	21.72	0.1486		
60	1	160		25.29	24.90	24.54				
60	81	40		25.13	24.94	24.79				
60	1	0		23.83	24.72	24.34				
60	1	161		24.87	24.50	24.14				
60	162	0		24.62	24.61	24.38				
60	1	1	QPSK	24.21	25.13	24.75			20.88	0.1225
60	1	160		25.36	24.88	24.49				
60	81	40		25.09	25.01	24.77				
60	1	0		23.31	24.24	23.84				
60	1	161		24.41	23.99	23.59				
60	162	0		24.08	24.12	23.86				
60	1	1	16-QAM	23.49	24.52	24.26	20.88	0.1225		
60	1	1	64-QAM	21.83	22.89	22.49				
60	1	1	256-QAM	19.73	20.59	20.18				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -3.64 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	24.36	25.18	25.13	21.7	0.1479		
80	1	215		25.34	24.88	24.54				
80	108	54		25.23	25.06	24.84				
80	1	0		23.95	24.80	24.68				
80	1	216		24.93	24.47	24.13				
80	216	0		24.75	24.68	24.48				
80	1	1	QPSK	24.35	25.16	25.15			20.94	0.1242
80	1	215		25.31	24.90	24.55				
80	108	54		25.21	25.08	24.83				
80	1	0		23.58	24.31	24.26				
80	1	216		24.43	23.98	23.65				
80	216	0		24.24	24.17	23.93				
80	1	1	16-QAM	23.68	24.49	24.58	20.94	0.1242		
80	1	1	64-QAM	22.12	22.90	22.62				
80	1	1	256-QAM	19.89	20.65	20.57				
Limit	EIRP < 2W			Result			Pass			





NR n41 Maximum Average Power [dBm] (GT - LC = -3.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	24.39	25.09	24.89	21.45	0.1396
90	1	243		25.09	24.79	24.29		
90	120	60		24.89	24.89	24.49		
90	1	0		24.29	24.89	24.89		
90	1	244		24.89	24.59	24.19		
90	240	0		24.69	24.69	24.59		
90	1	1	QPSK	24.29	24.99	24.79		
90	1	243		24.99	24.69	24.19		
90	120	60		24.79	24.79	24.39		
90	1	0		24.09	24.49	24.59		
90	1	244		24.79	24.39	23.99		
90	240	0		24.39	24.39	24.19		
90	1	1	16-QAM	24.09	24.59	24.59	20.95	0.1245
90	1	1	64-QAM	22.69	23.29	23.29		
90	1	1	256-QAM	20.99	21.49	21.59		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -3.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	24.24	25.08	25.13	21.68	0.1472
100	1	271		25.20	24.85	24.61		
100	135	67		25.18	25.00	24.84		
100	1	0		23.95	24.68	24.77		
100	1	272		24.93	24.51	24.22		
100	270	0		24.72	24.61	24.51		
100	1	1	QPSK	24.33	25.12	25.10		
100	1	271		25.32	24.91	24.65		
100	135	67		25.21	25.03	24.91		
100	1	0		23.40	24.18	24.16		
100	1	272		24.38	24.04	23.72		
100	270	0		24.25	24.12	24.00		
100	1	1	16-QAM	24.63	24.53	24.50	20.99	0.1256
100	1	1	64-QAM	21.92	22.82	22.83		
100	1	1	256-QAM	19.80	20.56	20.50		
Limit	EIRP < 2W			Result			Pass	



<Ant. 7>

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.97	25.88	25.94	22.98	0.1986		
20	1	49		25.71	25.81	25.89				
20	25	12		25.79	25.81	25.87				
20	1	0		22.57	22.49	22.48				
20	1	50		22.34	22.40	22.46				
20	50	0		25.46	25.38	25.44				
20	1	1	QPSK	25.98	25.89	25.90			22.19	0.1656
20	1	49		25.79	25.78	25.86				
20	25	12		25.80	25.81	25.88				
20	1	0		22.55	22.52	22.49				
20	1	50		22.41	22.48	22.52				
20	50	0		24.95	24.97	24.96				
20	1	1	16-QAM	25.19	25.13	25.11	22.19	0.1656		
20	1	1	64-QAM	23.81	23.64	23.63				
20	1	1	256-QAM	21.25	21.29	21.22				
Limit	EIRP < 1W			Result			Pass			

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.03	26.05	26.12	23.13	0.2056		
40	1	104		25.97	26.07	26.05				
40	50	25		25.81	26.01	26.00				
40	1	0		22.72	22.63	22.72				
40	1	105		22.60	22.72	22.71				
40	100	0		25.53	25.63	25.66				
40	1	1	QPSK	26.01	26.05	26.13			22.38	0.1730
40	1	104		25.94	26.07	26.12				
40	50	25		25.86	25.93	25.95				
40	1	0		22.74	22.71	22.75				
40	1	105		22.67	22.72	22.73				
40	100	0		25.12	25.12	25.15				
40	1	1	16-QAM	25.19	25.37	25.38	22.38	0.1730		
40	1	1	64-QAM	23.77	23.70	23.70				
40	1	1	256-QAM	21.43	21.39	21.39				
Limit	EIRP < 1W			Result			Pass			



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.85	25.73	25.90	22.9	0.1950
50	1	131		25.61	25.66	25.70		
50	64	32		25.62	25.81	25.73		
50	1	0		22.36	22.37	22.55		
50	1	132		22.33	22.25	22.37		
50	128	0		25.35	25.43	25.45		
50	1	1	QPSK	25.74	25.72	25.89		
50	1	131		25.65	25.63	25.74		
50	64	32		25.62	25.81	25.81		
50	1	0		22.41	22.36	22.61		
50	1	132		22.37	22.22	22.32		
50	128	0		24.79	24.91	24.95		
50	1	1	16-QAM	25.03	25.04	25.26	22.26	0.1683
50	1	1	64-QAM	23.50	23.38	23.52		
50	1	1	256-QAM	21.09	21.15	21.26		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.88	25.84	25.84	22.92	0.1959
60	1	160		25.92	25.83	25.85		
60	81	40		25.78	25.75	25.79		
60	1	0		22.44	22.37	22.42		
60	1	161		22.45	22.36	22.46		
60	162	0		25.39	25.37	25.42		
60	1	1	QPSK	25.87	25.77	25.82		
60	1	160		25.84	25.75	25.84		
60	81	40		25.71	25.80	25.87		
60	1	0		22.38	22.36	22.45		
60	1	161		22.46	22.37	22.44		
60	162	0		24.93	24.85	24.93		
60	1	1	16-QAM	25.15	24.89	24.94	22.15	0.1641
60	1	1	64-QAM	23.49	23.52	23.57		
60	1	1	256-QAM	21.25	21.16	21.12		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.87	25.89	25.78	22.94	0.1968
80	1	215		25.84	25.89	25.88		
80	108	54		25.78	25.81	25.78		
80	1	0		22.43	22.50	22.44		
80	1	216		22.45	22.47	22.59		
80	216	0		25.41	25.35	25.41		
80	1	1	QPSK	25.89	25.80	25.77		
80	1	215		25.86	25.94	25.88		
80	108	54		25.76	25.80	25.77		
80	1	0		22.47	22.37	22.28		
80	1	216		22.49	22.56	22.53		
80	216	0		24.86	24.87	24.89		
80	1	1	16-QAM	25.04	25.14	25.08	22.14	0.1637
80	1	1	64-QAM	23.48	23.54	23.12		
80	1	1	256-QAM	21.04	21.14	21.03		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.82	25.87	25.85	22.92	0.1959
90	1	243		25.89	25.92	25.87		
90	120	60		25.64	25.73	25.83		
90	1	0		22.42	22.49	22.40		
90	1	244		22.46	22.53	22.47		
90	240	0		25.30	25.32	25.44		
90	1	1	QPSK	25.86	25.86	25.84		
90	1	243		25.92	25.85	25.91		
90	120	60		25.62	25.70	25.78		
90	1	0		22.50	22.46	22.43		
90	1	244		22.55	22.48	22.48		
90	240	0		24.80	24.86	24.89		
90	1	1	16-QAM	24.89	25.25	25.12	22.25	0.1679
90	1	1	64-QAM	23.83	23.79	23.63		
90	1	1	256-QAM	21.26	21.19	21.18		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK		26.08		23.08	0.2032
100	1	271			25.99			
100	135	67			25.79			
100	1	0			22.62			
100	1	272			22.70			
100	270	0			25.43			
100	1	1	QPSK		26.06		23.08	0.2032
100	1	271			25.94			
100	135	67			25.87			
100	1	0			22.66			
100	1	272			22.60			
100	270	0			24.99			
100	1	1	<b>16-QAM</b>		25.36		22.36	0.1722
100	1	1	<b>64-QAM</b>		23.71			
100	1	1	<b>256-QAM</b>		21.47			
Limit	EIRP < 1W			Result			Pass	



<Ant. 5>

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -3.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.41	26.88	26.47	23.37	0.2173
20	1	49		27.01	26.84	26.23		
20	25	12		26.72	26.88	26.36		
20	1	0		26.01	26.48	26.04		
20	1	50		26.62	26.38	25.86		
20	50	0		26.34	26.49	26.03		
20	1	1	QPSK	26.34	26.93	26.48		
20	1	49		26.98	26.79	26.31		
20	25	12		26.71	26.89	26.38		
20	1	0		25.46	25.95	25.53		
20	1	50		26.12	25.88	25.37		
20	50	0		25.85	25.93	25.47		
20	1	1	16-QAM	25.61	26.00	25.59	22.36	0.1722
20	1	1	64-QAM	24.17	24.67	24.22		
20	1	1	256-QAM	21.72	22.26	21.83		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -3.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.46	26.56	26.76	23.62	0.2301
30	1	76		27.26	26.76	25.96		
30	36	18		26.56	26.06	26.66		
30	1	0		23.16	24.46	24.11		
30	1	77		23.96	24.36	23.91		
30	75	0		23.86	26.16	26.56		
30	1	1	QPSK	26.36	26.46	26.66		
30	1	76		27.16	26.36	25.86		
30	36	18		26.66	26.36	26.56		
30	1	0		22.96	25.86	24.06		
30	1	77		23.86	24.26	23.86		
30	75	0		25.96	25.61	26.26		
30	1	1	16-QAM	25.46	25.56	26.16	22.52	0.1786
30	1	1	64-QAM	24.26	24.16	25.26		
30	1	1	256-QAM	22.46	22.86	23.51		
Limit	EIRP < 2W			Result			Pass	



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -3.64 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.69	27.27	26.83	23.73	0.2360		
40	1	104		27.37	27.07	26.51				
40	50	25		27.16	27.00	26.64				
40	1	0		26.29	26.92	26.49				
40	1	105		26.93	26.77	26.05				
40	100	0		26.74	26.69	26.29				
40	1	1	QPSK	26.69	27.23	26.87			23.73	0.2360
40	1	104		27.36	27.12	26.61				
40	50	25		27.09	27.06	26.66				
40	1	0		25.68	26.38	25.99				
40	1	105		26.51	26.22	25.57				
40	100	0		25.77	26.18	25.79				
40	1	1	16-QAM	25.80	26.36	26.08	22.72	0.1871		
40	1	1	64-QAM	24.30	25.21	24.58				
40	1	1	256-QAM	21.99	22.57	22.18				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -3.64 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	26.16	26.96	26.56	23.52	0.225		
50	1	131		27.16	26.71	26.36				
50	64	32		26.96	26.76	26.41				
50	1	0		22.86	24.16	23.96				
50	1	132		23.86	24.06	23.76				
50	128	0		26.56	26.86	26.46				
50	1	1	QPSK	26.21	26.91	26.51			23.52	0.225
50	1	131		27.11	26.66	26.46				
50	64	32		26.91	26.71	26.36				
50	1	0		22.81	24.26	23.91				
50	1	132		23.81	23.96	23.71				
50	128	0		25.96	26.36	26.31				
50	1	1	16-QAM	25.36	26.41	26.26	22.77	0.189		
50	1	1	64-QAM	24.06	25.16	25.06				
50	1	1	256-QAM	22.26	23.56	23.16				
Limit	EIRP < 2W			Result			Pass			



NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -3.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.22	26.92	26.42	23.46	0.2218
60	1	160		27.04	25.98	26.11		
60	81	40		26.97	26.72	26.38		
60	1	0		25.80	25.97	25.97		
60	1	161		26.61	25.49	25.68		
60	162	0		26.43	25.82	25.96		
60	1	1	QPSK	26.25	26.89	26.35	23.46	0.2218
60	1	160		27.10	26.57	26.23		
60	81	40		26.95	26.74	26.34		
60	1	0		25.25	26.00	26.16		
60	1	161		26.15	25.53	25.78		
60	162	0		25.96	25.80	25.95		
60	1	1	<b>16-QAM</b>	25.29	26.12	25.50	22.48	0.1770
60	1	1	<b>64-QAM</b>	23.74	24.58	24.04		
60	1	1	<b>256-QAM</b>	21.55	22.27	22.00		
Limit	EIRP < 2W			Result			Pass	

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -3.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.38	27.00	26.73	23.42	0.220
80	1	215		26.98	26.44	26.11		
80	108	54		27.06	26.76	26.46		
80	1	0		25.94	26.60	26.29		
80	1	216		26.53	26.03	25.69		
80	216	0		26.52	26.40	26.04		
80	1	1	QPSK	26.31	26.97	26.71	23.42	0.220
80	1	215		26.97	26.41	26.01		
80	108	54		27.04	26.72	26.43		
80	1	0		25.46	26.08	25.78		
80	1	216		26.02	25.50	25.12		
80	216	0		26.03	25.87	25.51		
80	1	1	<b>16-QAM</b>	25.41	26.15	26.08	22.51	0.1782
80	1	1	<b>64-QAM</b>	24.02	24.66	24.32		
80	1	1	<b>256-QAM</b>	21.70	22.53	22.20		
Limit	EIRP < 2W			Result			Pass	





NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -3.64 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	26.16	27.06	26.81	23.47	0.2223		
90	1	243		26.96	26.46	26.36				
90	120	60		26.86	26.86	26.46				
90	1	0		22.86	24.36	24.06				
90	1	244		23.66	23.86	23.76				
90	240	0		26.76	26.81	26.61				
90	1	1	QPSK	26.26	26.86	26.56			23.62	0.2301
90	1	243		27.11	26.51	26.26				
90	120	60		26.96	26.76	26.41				
90	1	0		22.96	24.31	23.96				
90	1	244		23.81	23.81	26.66				
90	240	0		26.36	26.86	26.46				
90	1	1	16-QAM	25.41	27.26	25.66	23.62	0.2301		
90	1	1	64-QAM	24.26	25.56	24.06				
90	1	1	256-QAM	22.16	23.76	22.66				
Limit	EIRP < 2W			Result			Pass			

NR n41 (HPUE) Maximum Average Power [dBm] (GT - LC = -3.64 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	26.35	26.97	26.84	23.49	0.2234		
100	1	271		27.01	26.55	26.19				
100	135	67		27.13	26.80	26.54				
100	1	0		25.88	26.55	26.35				
100	1	272		26.60	26.16	25.82				
100	270	0		26.61	26.41	26.12				
100	1	1	QPSK	26.34	26.96	26.81			22.61	0.1824
100	1	271		27.00	26.52	26.18				
100	135	67		27.11	26.81	26.51				
100	1	0		25.37	26.08	25.91				
100	1	272		26.14	25.63	25.29				
100	270	0		26.06	25.87	25.60				
100	1	1	16-QAM	25.78	26.25	26.08	22.61	0.1824		
100	1	1	64-QAM	24.10	24.75	24.53				
100	1	1	256-QAM	21.74	22.51	22.29				
Limit	EIRP < 2W			Result			Pass			



<ASDIV Antenna>

<DFT-s-OFDM>

<Ant. 0>

NR n41 Maximum Average Power [dBm] (GT - LC = -5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.96	24.05	24.21	18.8	0.0759		
20	1	49		24.09	23.97	24.27				
20	25	12		23.98	23.94	24.22				
20	1	0		23.57	23.61	23.88				
20	1	50		23.65	23.53	23.84				
20	50	0		23.64	23.51	23.87				
20	1	1	QPSK	23.99	24.04	24.30			17.87	0.0612
20	1	49		24.06	24.01	24.28				
20	25	12		23.95	23.92	24.19				
20	1	0		23.06	23.12	23.39				
20	1	50		23.20	23.16	23.38				
20	50	0		23.15	23.08	23.33				
20	1	1	16-QAM	23.02	23.09	23.37	17.87	0.0612		
20	1	1	64-QAM	21.50	21.70	21.82				
20	1	1	256-QAM	19.27	19.40	19.77				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	23.89	23.99	23.99	18.49	0.0706		
30	1	76		23.79	23.89	23.89				
30	36	18		23.79	23.89	23.89				
30	1	0		23.79	23.89	23.89				
30	1	77		23.79	23.89	23.89				
30	75	0		23.79	23.89	23.89				
30	1	1	QPSK	23.79	23.89	23.89			18.39	0.0690
30	1	76		23.69	23.79	23.79				
30	36	18		23.69	23.79	23.79				
30	1	0		23.69	23.79	23.79				
30	1	77		23.69	23.79	23.79				
30	75	0		23.69	23.79	23.79				
30	1	1	16-QAM	23.79	23.89	23.89	18.39	0.0690		
30	1	1	64-QAM	22.99	22.89	22.99				
30	1	1	256-QAM	20.79	20.79	20.89				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	23.86	24.20	24.18	18.8	0.0759		
40	1	104		23.79	24.20	24.28				
40	50	25		24.23	23.90	24.13				
40	1	0		23.70	23.91	23.73				
40	1	105		23.21	24.03	24.16				
40	100	0		23.82	23.86	23.68				
40	1	1	QPSK	24.18	24.30	24.24			18.14	0.0652
40	1	104		23.75	24.08	24.25				
40	50	25		23.96	23.91	24.21				
40	1	0		23.30	23.41	23.37				
40	1	105		22.99	23.28	23.70				
40	100	0		23.25	23.46	23.53				
40	1	1	16-QAM	23.19	23.64	23.40	18.14	0.0652		
40	1	1	64-QAM	21.50	22.07	21.85				
40	1	1	256-QAM	19.59	19.85	19.59				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	24.19	24.39	24.49	18.99	0.0793		
50	1	131		23.89	24.29	24.29				
50	64	32		23.99	24.19	24.29				
50	1	0		24.09	24.19	24.39				
50	1	132		23.89	24.29	24.29				
50	128	0		23.99	24.19	24.29				
50	1	1	QPSK	24.09	24.29	24.39			18.69	0.0740
50	1	131		23.79	24.19	24.19				
50	64	32		23.89	24.09	24.19				
50	1	0		23.89	23.89	24.09				
50	1	132		23.59	23.99	23.89				
50	128	0		23.69	23.89	23.99				
50	1	1	16-QAM	23.89	23.89	24.19	18.69	0.0740		
50	1	1	64-QAM	22.59	22.69	22.99				
50	1	1	256-QAM	20.59	20.59	20.89				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	24.23	24.22	24.26	18.93	0.0782		
60	1	160		23.65	24.43	24.30				
60	81	40		24.20	23.98	24.35				
60	1	0		23.59	24.13	23.57				
60	1	161		23.27	23.69	23.98				
60	162	0		23.69	23.92	23.87				
60	1	1	QPSK	24.08	24.21	24.27			18.19	0.0659
60	1	160		23.61	24.38	24.27				
60	81	40		24.29	23.93	24.27				
60	1	0		23.08	23.73	23.34				
60	1	161		22.85	23.31	23.55				
60	162	0		23.26	23.36	23.24				
60	1	1	16-QAM	23.25	23.69	23.18	18.19	0.0659		
60	1	1	64-QAM	21.65	22.02	21.76				
60	1	1	256-QAM	19.49	19.67	19.51				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	24.09	24.57	24.20	19.07	0.0807		
80	1	215		23.76	24.27	24.21				
80	108	54		23.98	23.98	24.37				
80	1	0		23.73	23.81	23.84				
80	1	216		23.43	23.91	23.94				
80	216	0		23.57	23.94	23.67				
80	1	1	QPSK	23.93	24.26	24.20			18.17	0.0656
80	1	215		23.72	24.27	24.16				
80	108	54		24.18	24.23	24.09				
80	1	0		23.03	23.68	23.06				
80	1	216		22.84	23.34	23.48				
80	216	0		23.18	23.45	23.49				
80	1	1	16-QAM	23.27	23.67	23.20	18.17	0.0656		
80	1	1	64-QAM	21.73	22.11	21.93				
80	1	1	256-QAM	19.35	19.67	19.44				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	24.39	24.49	24.49	18.99	0.0793
90	1	243		23.89	24.39	24.39		
90	120	60		24.09	24.39	24.39		
90	1	0		24.39	24.39	24.39		
90	1	244		23.49	24.39	24.39		
90	240	0		23.89	24.29	24.39		
90	1	1	QPSK	24.29	24.39	24.39		
90	1	243		23.79	24.29	24.29		
90	120	60		23.99	24.29	24.29		
90	1	0		23.99	24.09	24.19		
90	1	244		23.49	23.99	24.09		
90	240	0		23.69	23.89	24.09		
90	1	1	16-QAM	23.99	24.09	24.19	18.69	0.0740
90	1	1	64-QAM	22.69	22.89	22.99		
90	1	1	256-QAM	20.69	20.79	20.89		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	24.04	24.39	24.12	18.89	0.0774
100	1	271		23.76	24.24	24.38		
100	135	67		24.10	24.05	24.18		
100	1	0		23.61	23.94	23.73		
100	1	272		23.40	23.87	24.04		
100	270	0		23.70	23.86	23.85		
100	1	1	QPSK	24.00	24.37	24.12		
100	1	271		23.74	24.23	24.36		
100	135	67		24.11	24.03	24.18		
100	1	0		23.10	23.54	23.26		
100	1	272		22.86	23.38	23.52		
100	270	0		23.20	23.30	23.34		
100	1	1	16-QAM	23.30	23.53	23.35	18.03	0.0635
100	1	1	64-QAM	21.67	22.18	21.78		
100	1	1	256-QAM	19.39	19.75	19.52		
Limit	EIRP < 2W			Result			Pass	



<Ant. 2>

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.21	25.23	25.23	22.45	0.1758
20	1	49		25.05	25.13	25.07		
20	25	12		25.01	25.20	25.07		
20	1	0		21.77	21.85	21.83		
20	1	50		21.75	21.72	21.65		
20	50	0		24.66	24.81	24.68		
20	1	1	QPSK	25.23	25.25	25.13		
20	1	49		25.12	25.17	25.07		
20	25	12		25.05	25.15	25.03		
20	1	0		21.81	21.84	21.84		
20	1	50		21.70	21.75	21.67		
20	50	0		24.22	24.24	24.22		
20	1	1	16-QAM	24.51	24.62	24.54	21.82	0.1521
20	1	1	64-QAM	23.15	23.28	23.10		
20	1	1	256-QAM	20.50	20.51	20.53		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.38	25.53	25.50	22.74	0.1879
40	1	104		25.47	25.49	25.43		
40	50	25		25.23	25.41	25.48		
40	1	0		22.01	22.14	22.07		
40	1	105		22.13	22.01	22.09		
40	100	0		24.91	25.03	24.99		
40	1	1	QPSK	25.34	25.54	25.51		
40	1	104		25.43	25.38	25.49		
40	50	25		25.21	25.45	25.26		
40	1	0		21.99	22.13	22.06		
40	1	105		22.06	22.00	22.12		
40	100	0		24.51	25.53	25.52		
40	1	1	16-QAM	24.62	24.78	24.79	21.99	0.1581
40	1	1	64-QAM	23.04	23.11	22.99		
40	1	1	256-QAM	20.76	20.92	20.84		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.04	25.31	25.38	22.58	0.1811
50	1	131		25.13	25.10	25.07		
50	64	32		25.11	25.21	25.19		
50	1	0		21.71	21.80	21.97		
50	1	132		21.75	21.68	21.75		
50	128	0		24.72	24.77	24.84		
50	1	1	QPSK	25.04	25.19	25.37		
50	1	131		25.13	25.06	25.13		
50	64	32		25.07	25.22	25.20		
50	1	0		21.74	21.91	21.95		
50	1	132		21.75	21.67	21.68		
50	128	0		24.20	24.33	24.35		
50	1	1	16-QAM	24.32	24.43	24.64	21.84	0.1528
50	1	1	64-QAM	22.81	23.00	22.96		
50	1	1	256-QAM	20.46	20.73	20.75		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.28	25.24	25.29	22.51	0.1782
60	1	160		25.22	25.24	25.19		
60	81	40		25.17	25.23	25.16		
60	1	0		21.77	21.81	21.93		
60	1	161		21.85	21.85	21.83		
60	162	0		24.82	24.81	24.76		
60	1	1	QPSK	25.17	25.22	25.31		
60	1	160		25.25	25.26	25.23		
60	81	40		25.15	25.22	25.19		
60	1	0		21.72	21.74	21.93		
60	1	161		21.85	21.80	21.85		
60	162	0		24.23	24.29	24.28		
60	1	1	16-QAM	24.32	24.40	24.47	21.67	0.1469
60	1	1	64-QAM	22.68	22.98	22.92		
60	1	1	256-QAM	20.46	20.55	20.62		
Limit	EIRP < 1W			Result			Pass	



NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.15	25.12	25.24	22.52	0.1786
80	1	215		25.27	25.29	25.30		
80	108	54		25.16	25.17	25.16		
80	1	0		21.70	21.78	21.84		
80	1	216		21.91	21.99	21.91		
80	216	0		24.79	24.78	24.79		
80	1	1	QPSK	25.19	25.13	25.22	21.66	0.1466
80	1	215		25.32	25.25	25.30		
80	108	54		25.20	25.25	25.19		
80	1	0		21.72	21.77	21.75		
80	1	216		21.87	21.88	21.94		
80	216	0		24.27	24.30	24.25		
80	1	1	16-QAM	24.30	24.46	24.39	21.66	0.1466
80	1	1	64-QAM	22.81	22.87	22.75		
80	1	1	256-QAM	20.48	20.58	20.55		
Limit	EIRP < 1W			Result			Pass	

NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.20	25.17	25.11	22.55	0.1799
90	1	243		25.27	25.27	25.28		
90	120	60		25.09	25.17	25.24		
90	1	0		21.81	21.78	21.81		
90	1	244		21.89	21.97	21.95		
90	240	0		24.73	24.81	24.91		
90	1	1	QPSK	25.21	25.16	25.12	21.71	0.1483
90	1	243		25.35	25.28	25.32		
90	120	60		25.15	25.22	25.28		
90	1	0		21.78	21.80	21.77		
90	1	244		21.97	21.98	21.85		
90	240	0		24.26	24.30	24.31		
90	1	1	16-QAM	24.51	24.49	24.38	21.71	0.1483
90	1	1	64-QAM	23.12	22.93	22.99		
90	1	1	256-QAM	20.47	20.57	20.58		
Limit	EIRP < 1W			Result			Pass	





NR n78 (HPUE) Maximum Average Power [dBm] (GT - LC = -2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK		25.17		22.52	0.1786
100	1	271			25.32			
100	135	67			25.16			
100	1	0			21.82			
100	1	272			22.01			
100	270	0			24.83			
100	1	1	QPSK		25.26		22.52	0.1786
100	1	271			25.31			
100	135	67			25.19			
100	1	0			21.80			
100	1	272			21.96			
100	270	0			24.30			
100	1	1	<b>16-QAM</b>		24.53		21.73	0.1489
100	1	1	<b>64-QAM</b>		23.02			
100	1	1	<b>256-QAM</b>		20.49			
Limit	EIRP < 1W			Result			Pass	



# FR1 n41

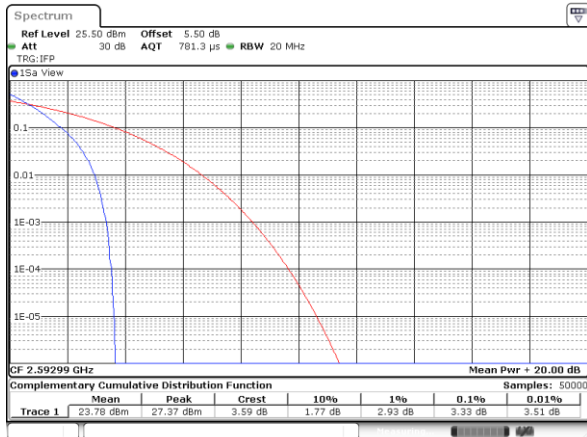
## Peak-to-Average Ratio

Mode	FR1 n41 / 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	3.33	4.26	5.45	5.91	PASS
Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.38				PASS



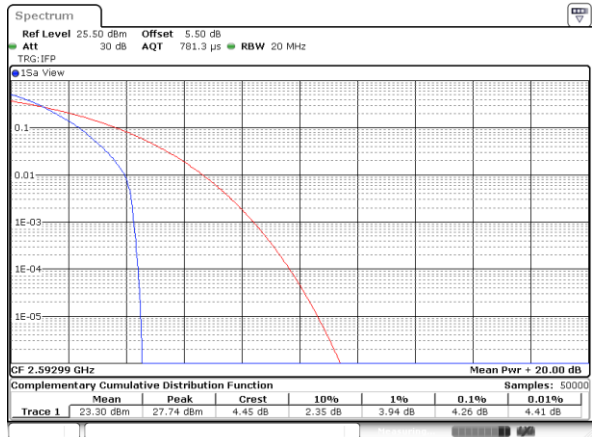
FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



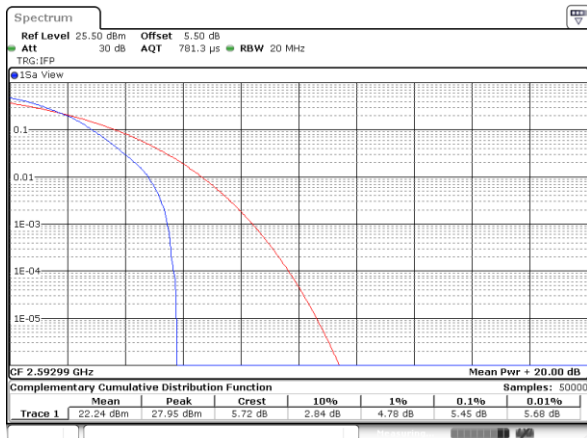
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QPSK



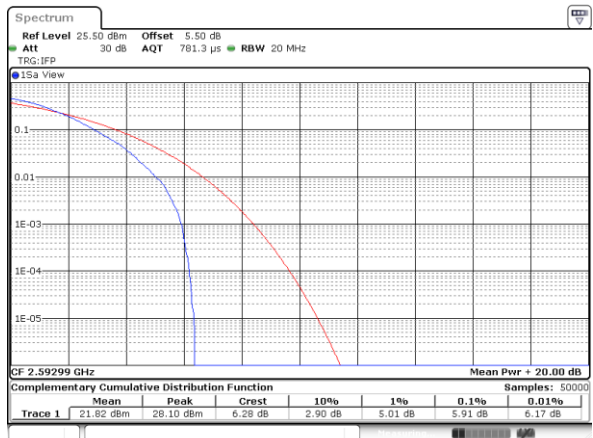
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16QAM



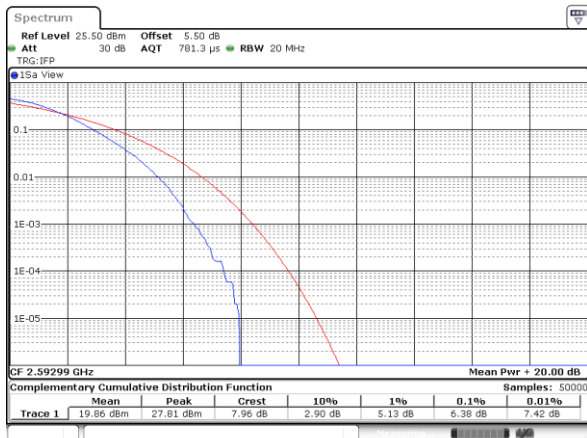
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64QAM



Date: 19. DEC. 2020 09:39:40

256QAM



Date: 19. DEC. 2020 09:40:08



**26dB Bandwidth**

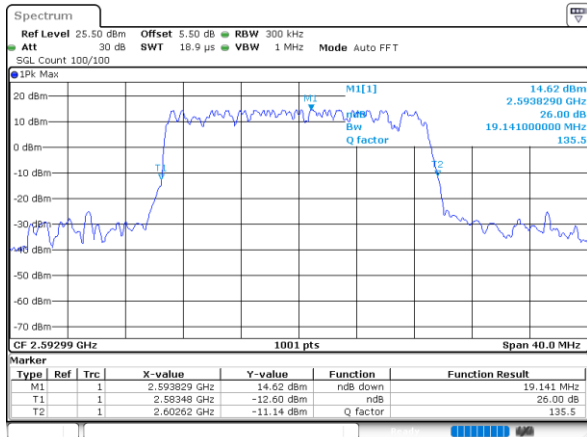
Mode	FR1 n41 : 26dB BW(MHz) / DFT-S OFDM							
BW	20MHz	30MHz	40MHz	50MHz	60MHz	80MHz	90MHz	100MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	19.14	27.63	38.28	48.05	60.54	79.76	88.47	99.50

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	20MHz		30MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	19.18	18.98	28.89	28.95	40.12	40.20	49.65	49.85
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	19.02	19.18	28.95	28.83	40.28	40.36	49.85	49.65
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	60.42	60.30	80.08	79.76	90.27	90.45	100.50	100.70
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	60.30	60.30	79.92	79.76	90.27	90.09	100.50	100.50



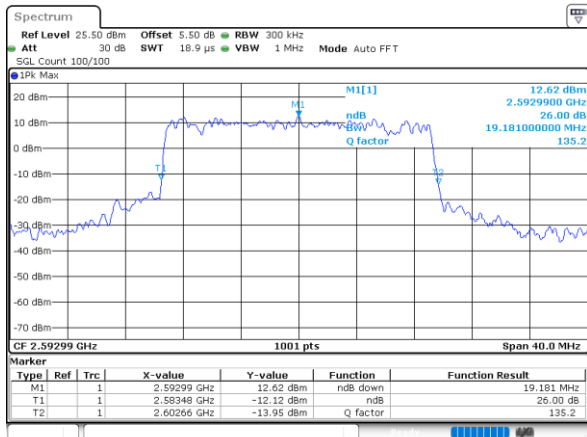
FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

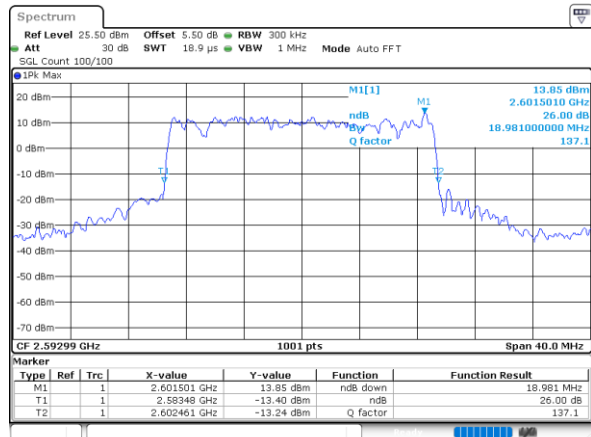


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

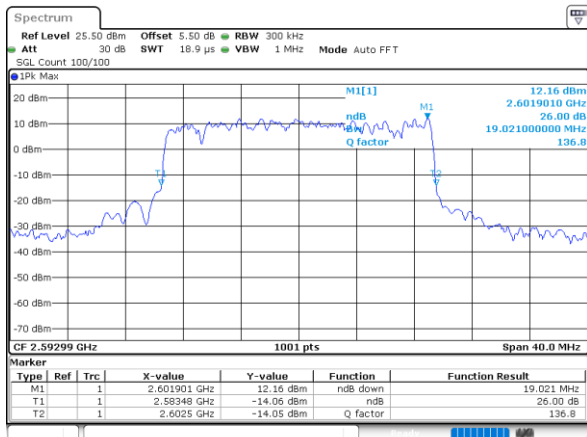
QPSK



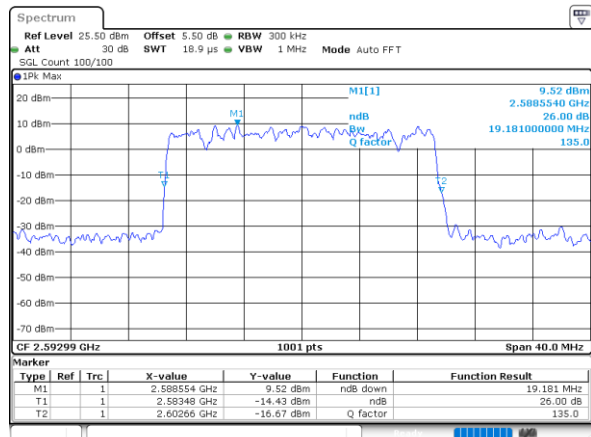
16QAM



64QAM



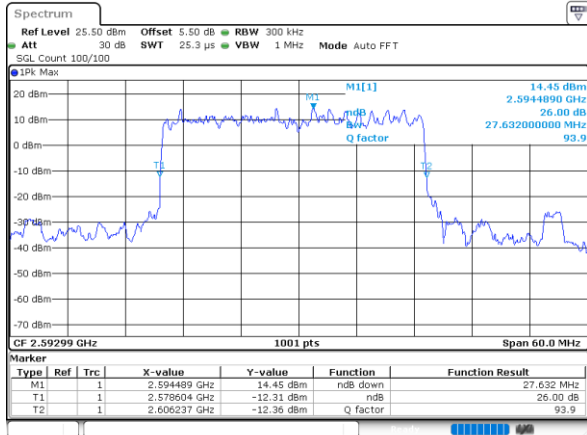
256QAM





FR1 n41 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

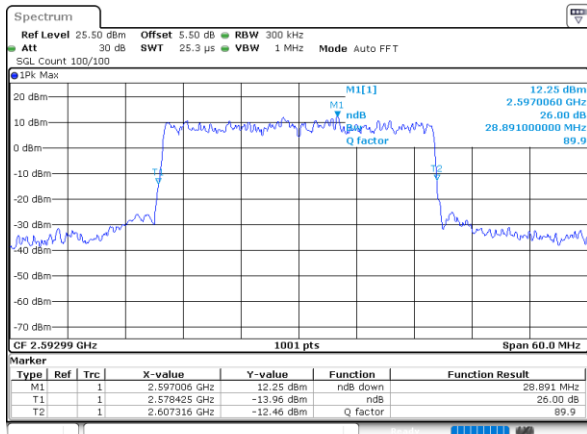
PI/2 BPSK



Date: 22\_JAN\_2021 23:11:21

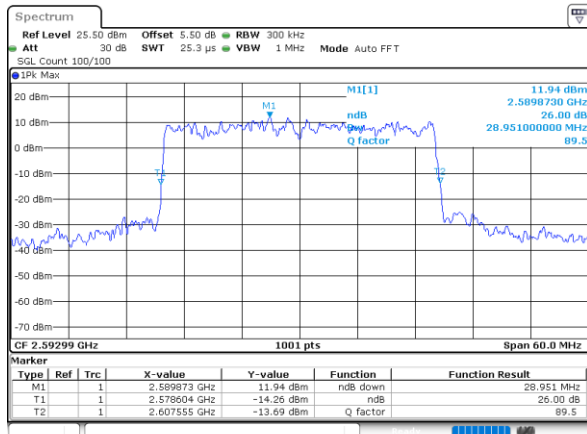
FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



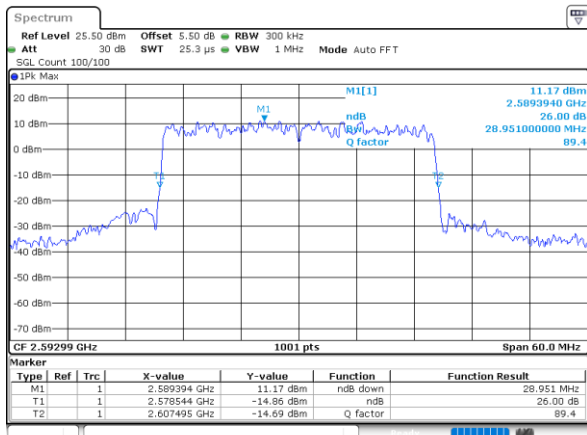
Date: 22\_JAN\_2021 23:19:15

16QAM



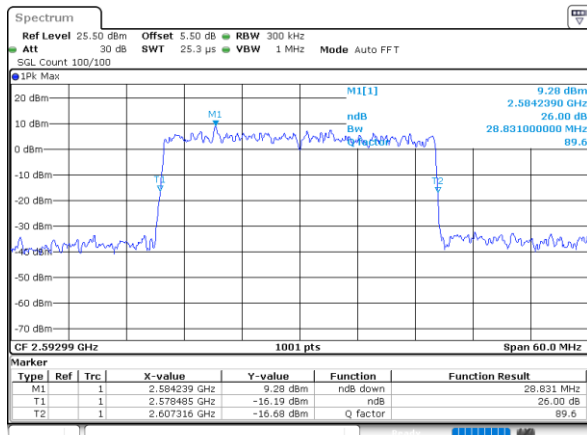
Date: 22\_JAN\_2021 23:22:41

64QAM



Date: 22\_JAN\_2021 23:30:29

256QAM

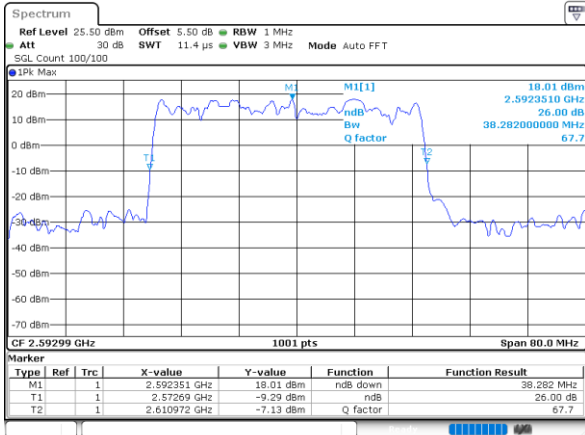


Date: 22\_JAN\_2021 23:36:29



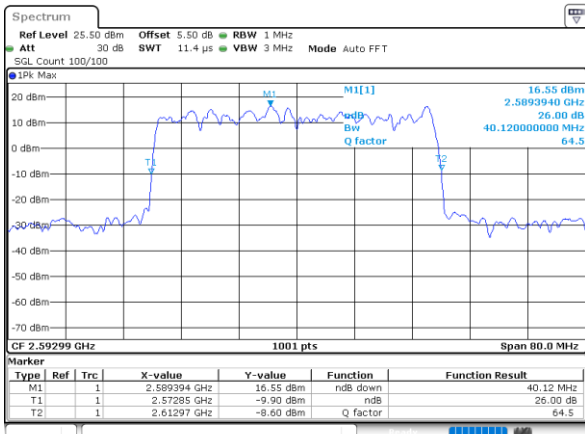
FR1 n41 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

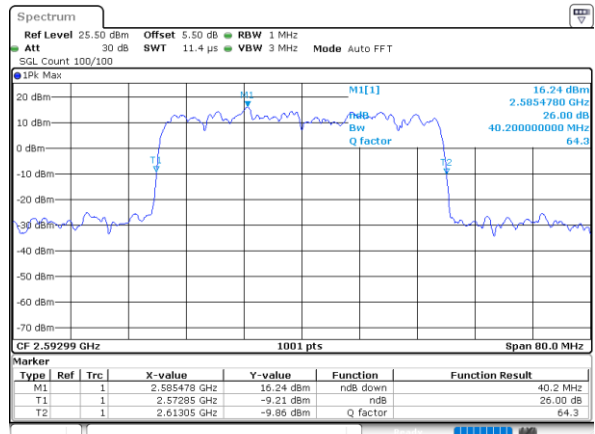


FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

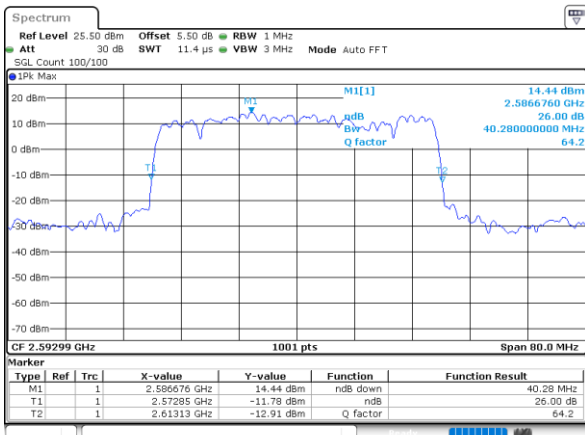
QPSK



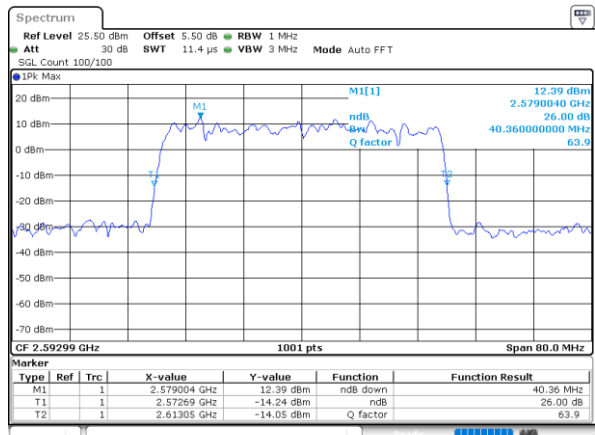
16QAM



64QAM



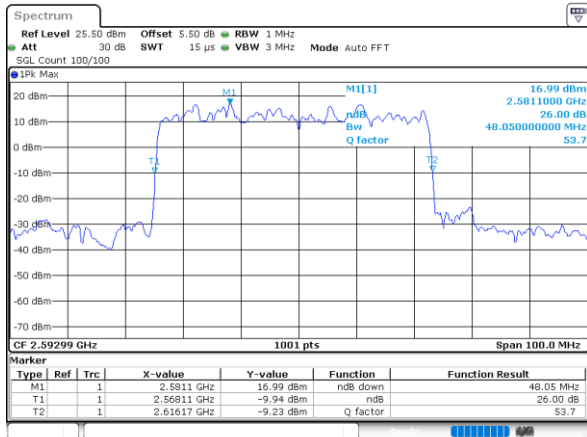
256QAM





FR1 n41 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



Date: 23\_JAN\_2021 01:53:15

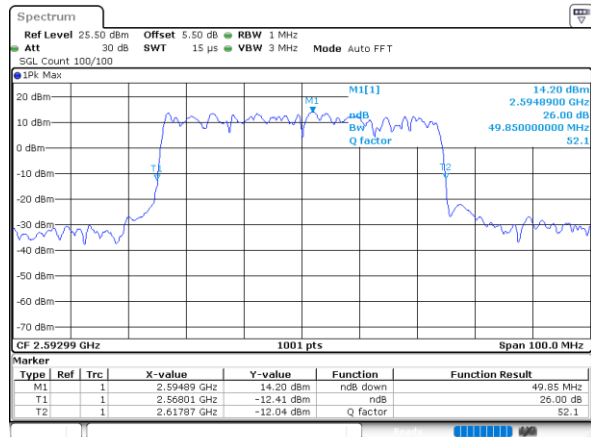
FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



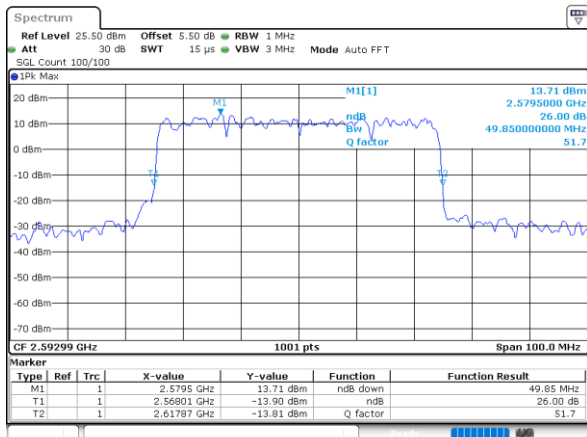
Date: 23\_JAN\_2021 01:59:19

16QAM



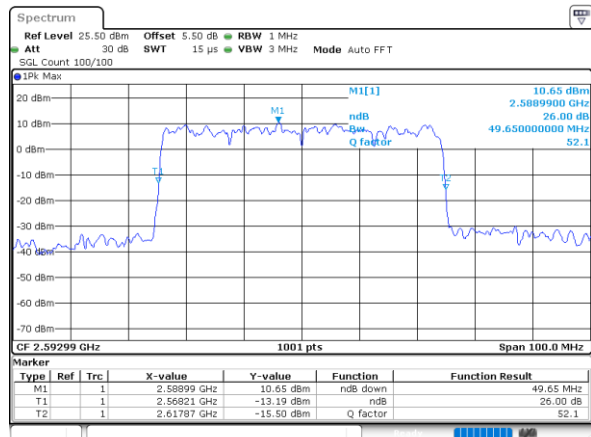
Date: 23\_JAN\_2021 02:10:09

64QAM



Date: 23\_JAN\_2021 02:10:05

256QAM



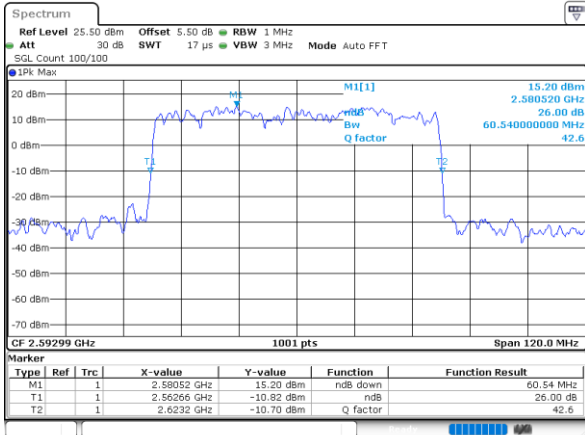
Date: 23\_JAN\_2021 02:10:37





FR1 n41 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

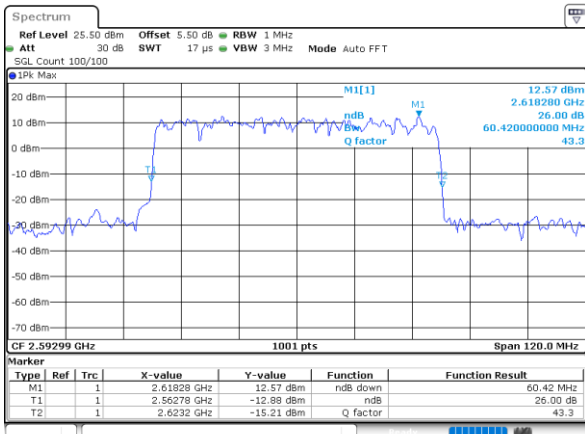
PI/2 BPSK



Date: 19. DEC. 2020 10:46:59

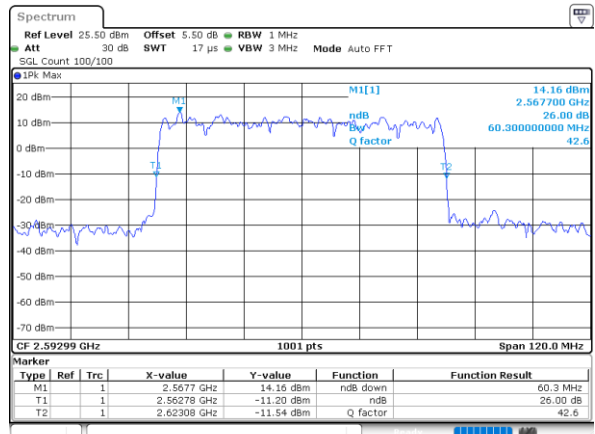
FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



Date: 19. DEC. 2020 10:44:29

16QAM



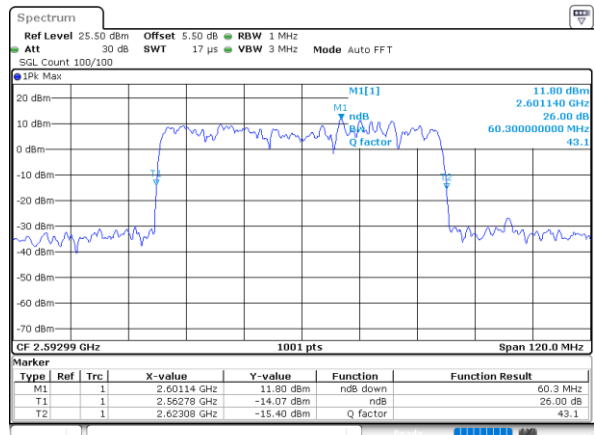
Date: 19. DEC. 2020 10:44:46

64QAM



Date: 19. DEC. 2020 10:45:04

256QAM

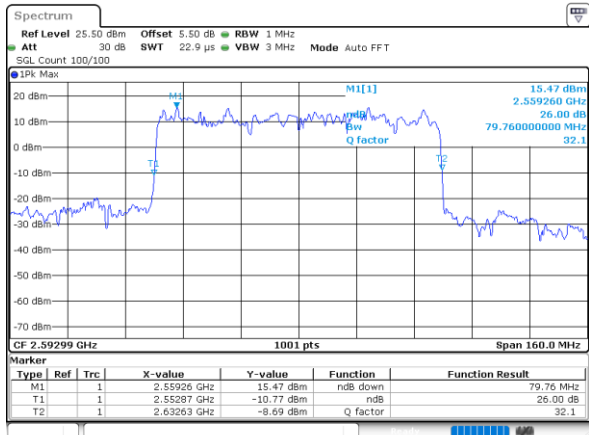


Date: 19. DEC. 2020 10:45:26



FR1 n41 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

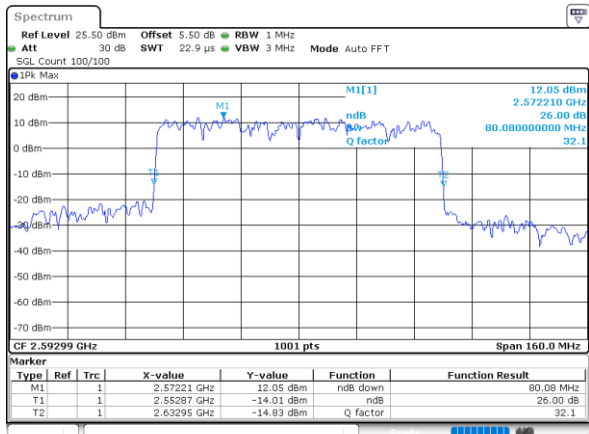
PI/2 BPSK



Date: 19 DEC.2020 11:23:07

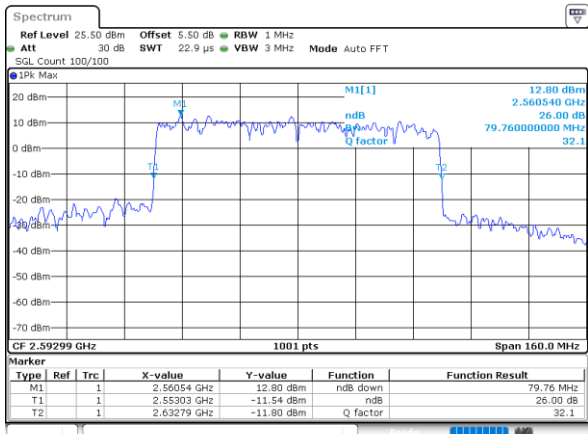
FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

QPSK



Date: 19 DEC.2020 11:22:44

16QAM



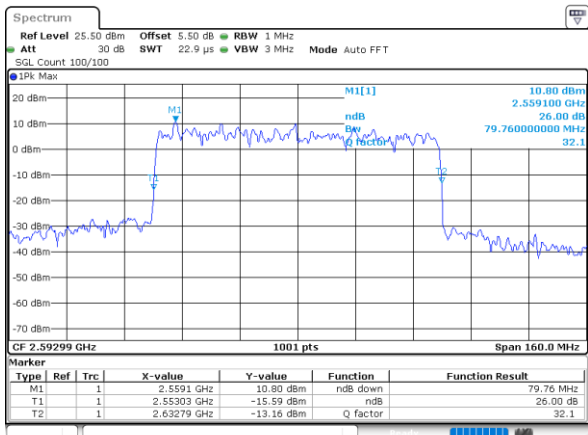
Date: 19 DEC.2020 11:22:28

64QAM



Date: 19 DEC.2020 11:22:10

256QAM

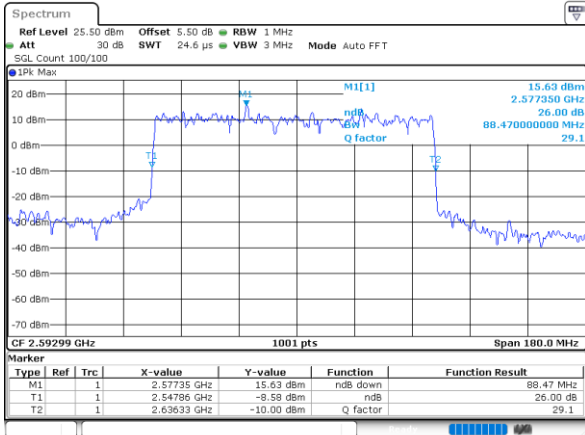


Date: 19 DEC.2020 11:21:40



FR1 n41 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



Date: 23\_JAN\_2021 04:32:47

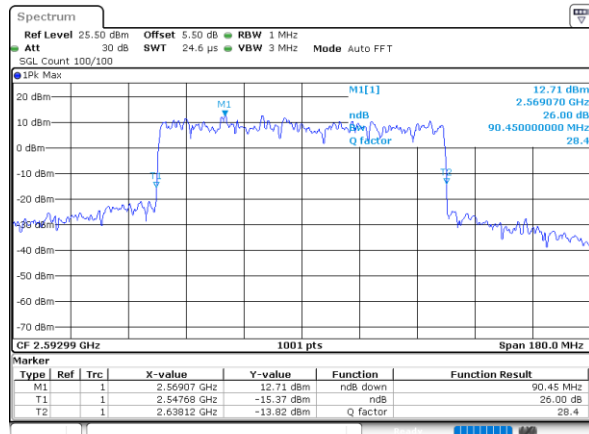
FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

QPSK



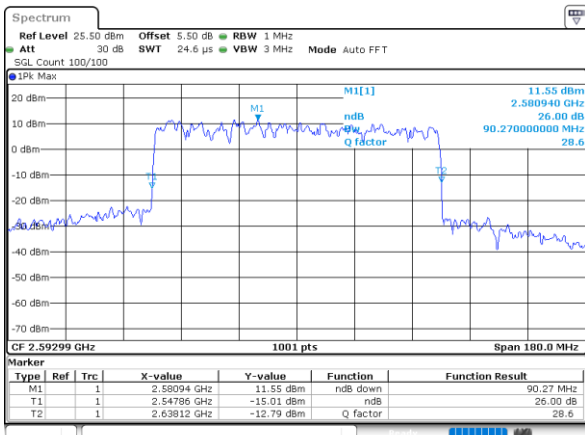
Date: 23\_JAN\_2021 04:40:12

16QAM



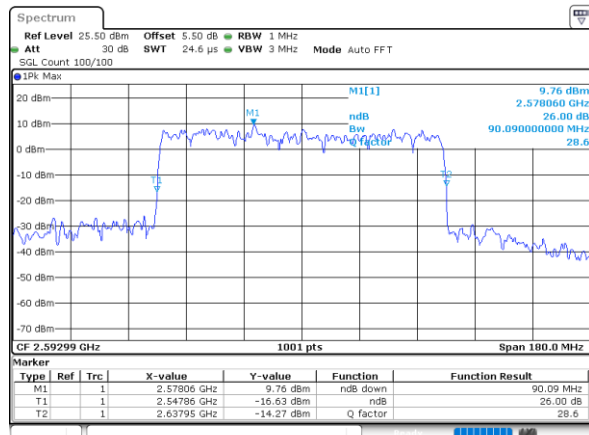
Date: 23\_JAN\_2021 05:10:125

64QAM



Date: 23\_JAN\_2021 04:45:18

256QAM

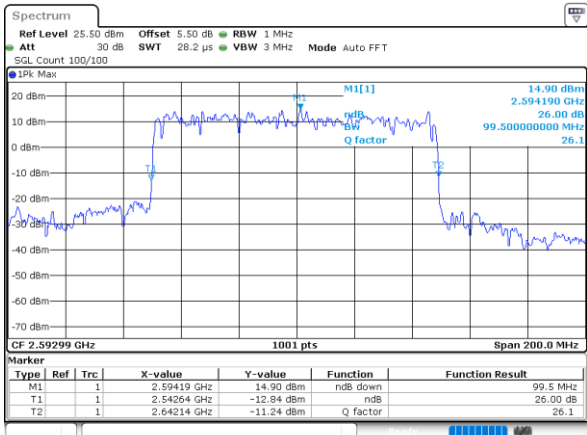


Date: 23\_JAN\_2021 05:10:131



FR1 n41 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

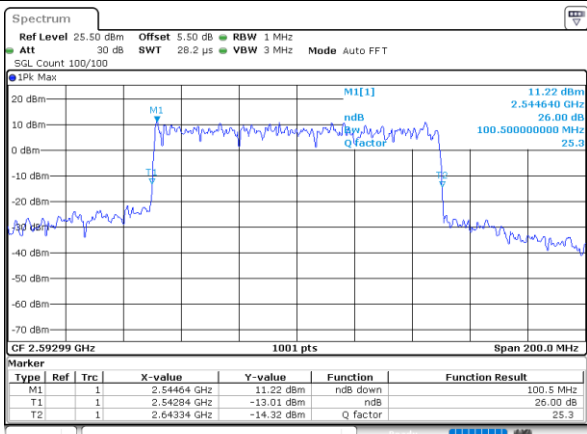
PI/2 BPSK



Date: 19, DEC, 2020 11:24:23

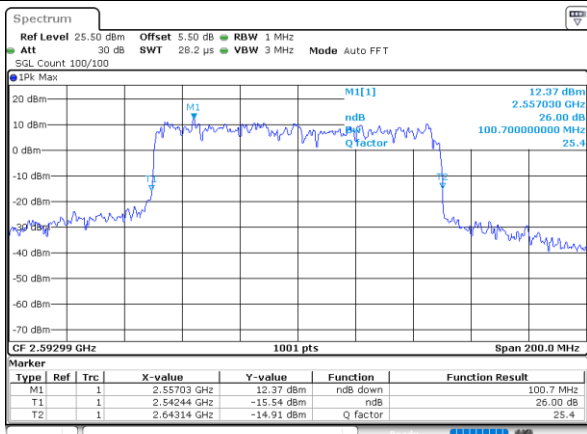
FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

QPSK



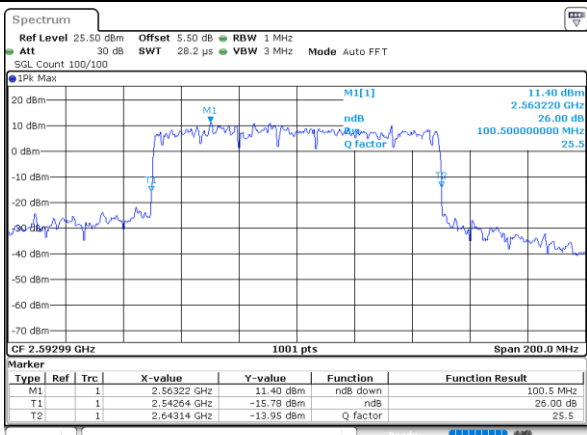
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16QAM



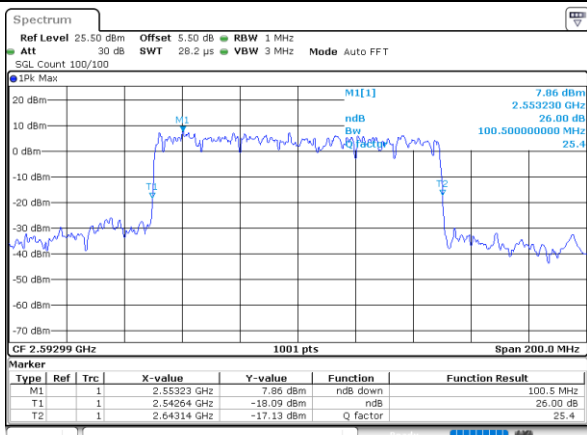
Date: 19, DEC, 2020 11:25:14

64QAM



Date: 19, DEC, 2020 11:25:16

256QAM



Date: 19, DEC, 2020 11:26:01



Occupied Bandwidth

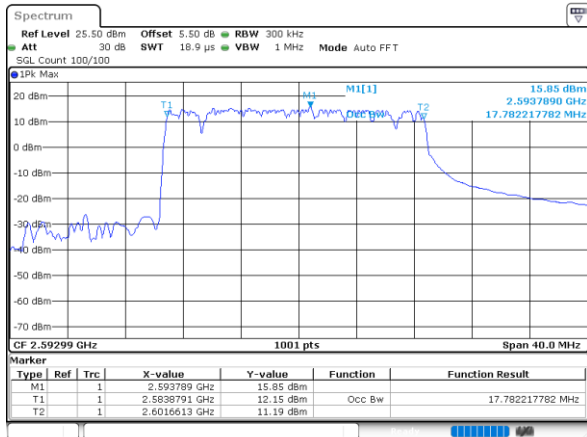
Mode	FR1 n41 : OB BW(MHz) / DFT-S OFDM							
BW	20MHz	30MHz	40MHz	50MHz	60MHz	80MHz	90MHz	100MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	17.78	26.79	35.96	45.85	57.90	77.20	85.41	96.50

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	20MHz		30MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	18.22	18.22	27.81	27.69	37.88	38.04	47.25	47.65
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	18.26	18.22	27.81	27.87	38.04	37.72	47.75	47.25
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	58.02	57.78	77.52	76.88	87.03	87.93	97.50	97.30
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	58.02	57.54	77.36	77.20	87.21	87.03	97.30	96.90



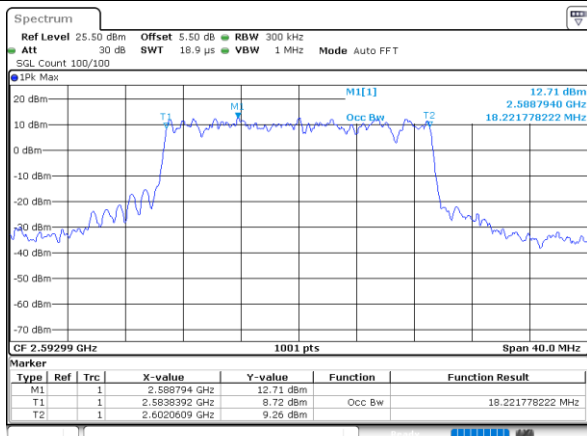
FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

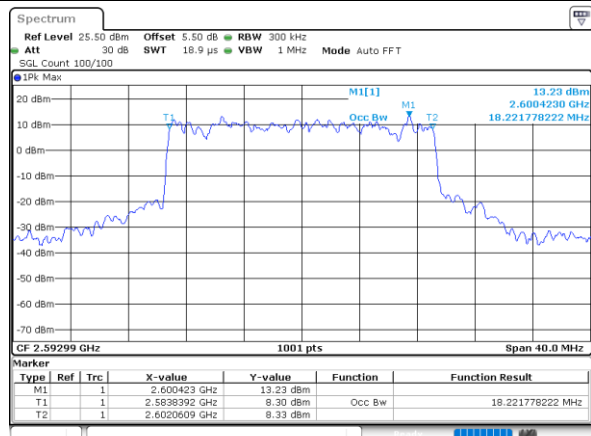


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

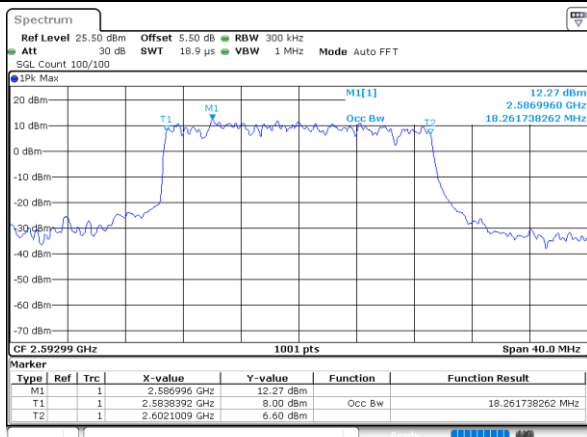
QPSK



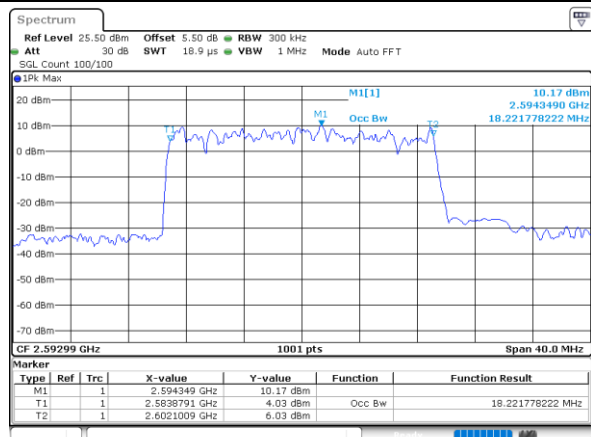
16QAM



64QAM



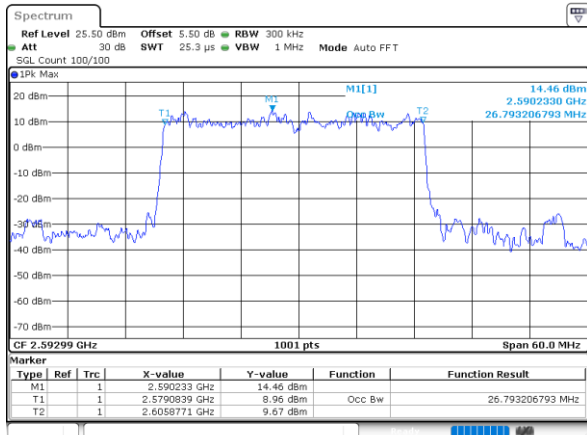
256QAM





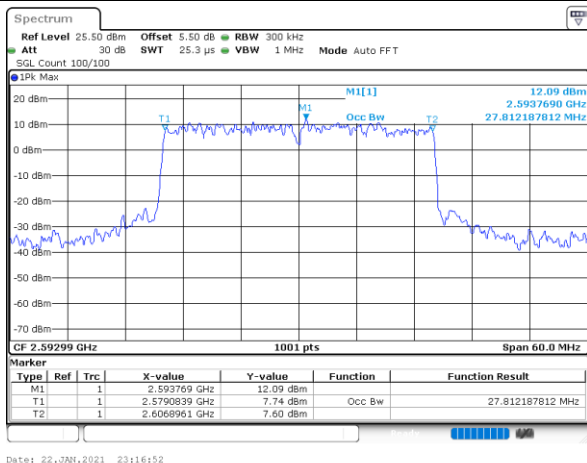
FR1 n41 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

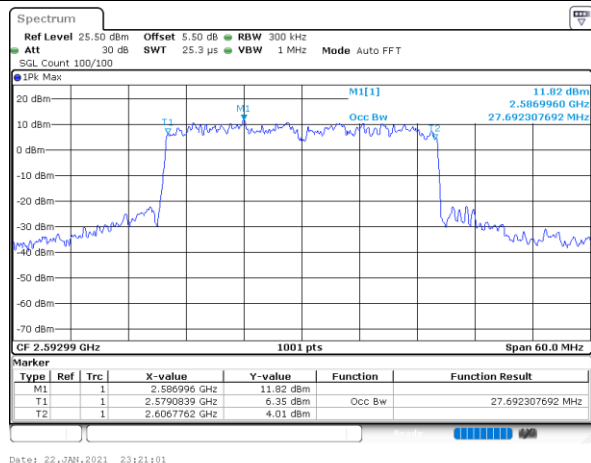


FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

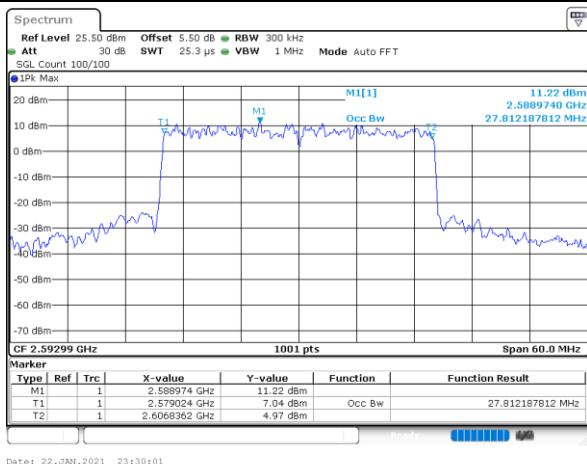
QPSK



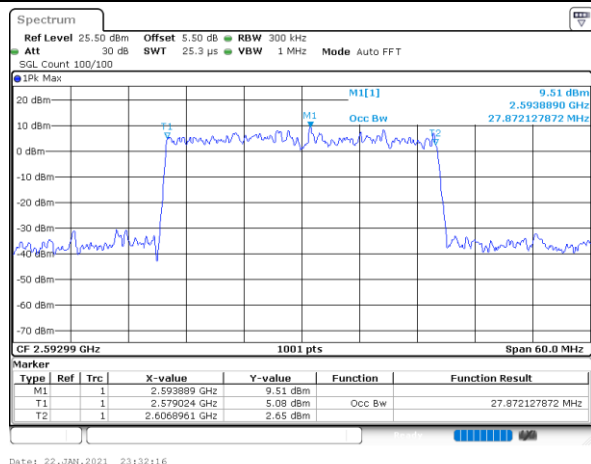
16QAM



64QAM



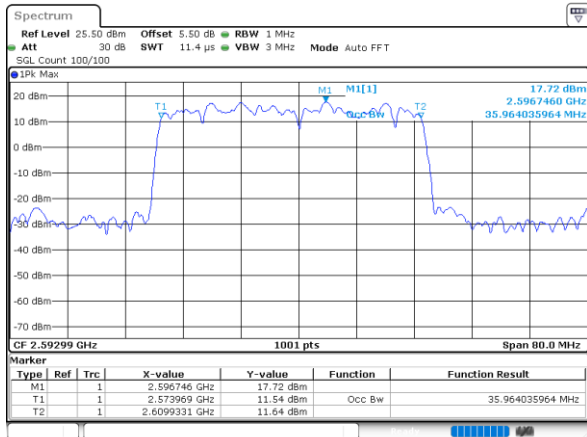
256QAM





FR1 n41 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

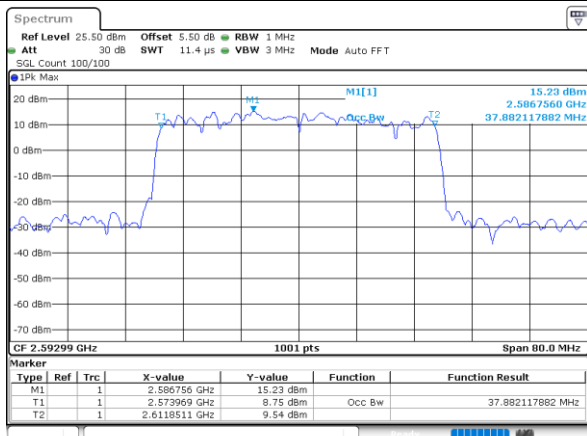
PI/2 BPSK



Date: 19. DEC. 2020 10:24:37

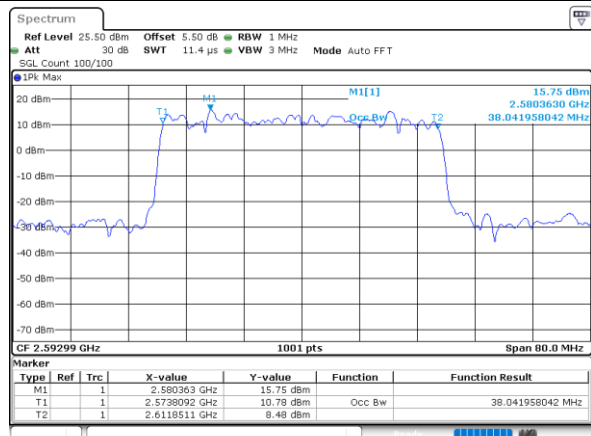
FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



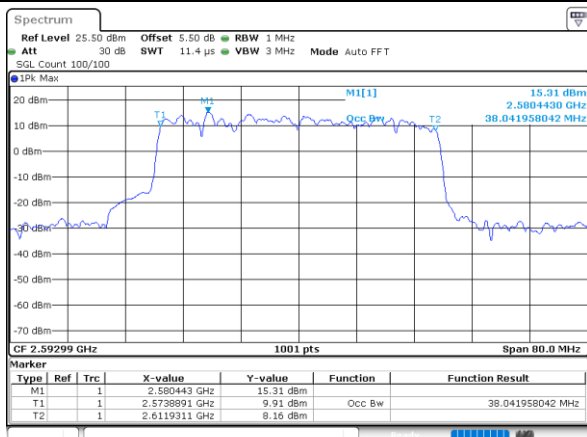
Date: 19. DEC. 2020 10:25:11

16QAM



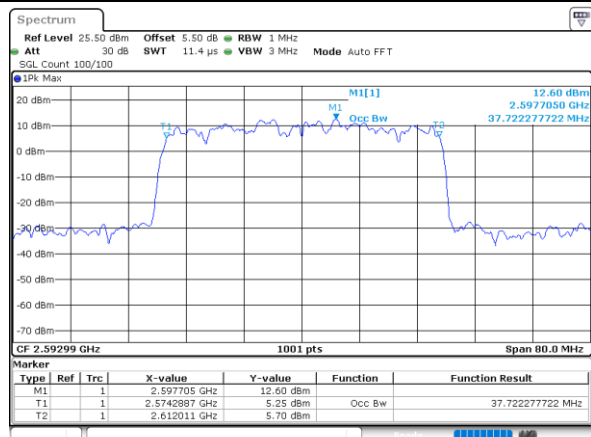
Date: 19. DEC. 2020 10:25:28

64QAM



Date: 19. DEC. 2020 10:25:53

256QAM



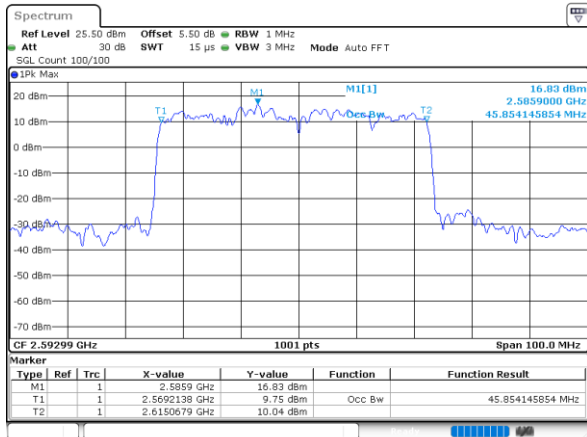
Date: 19. DEC. 2020 10:26:55





FR1 n41 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

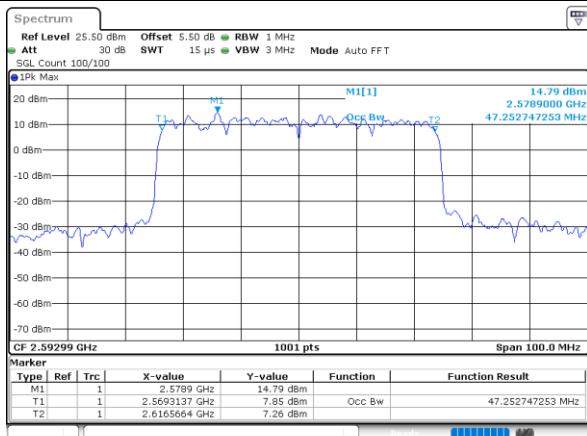
PI/2 BPSK



Date: 23\_JAN\_2021 01:50:35

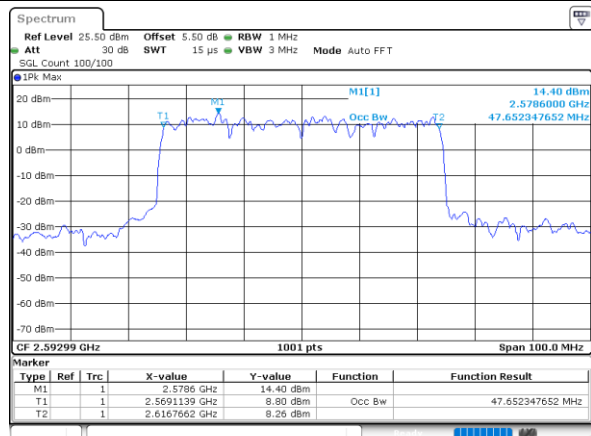
FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



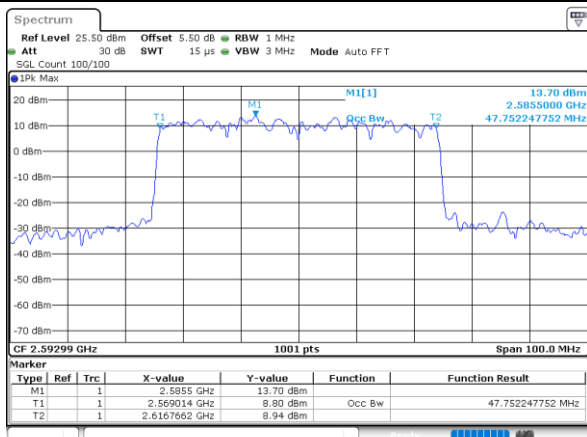
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16QAM



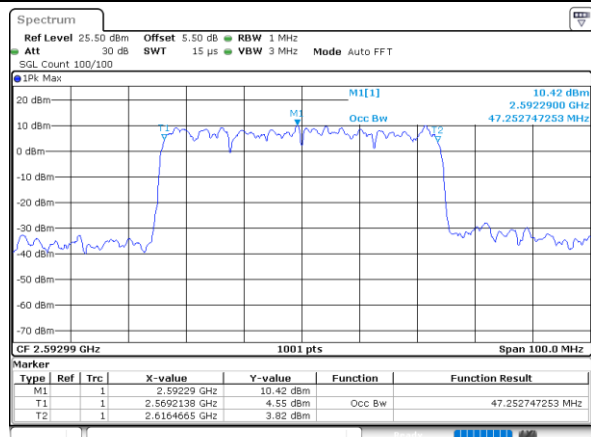
Date: 23\_JAN\_2021 02:02:47

64QAM



Date: 23\_JAN\_2021 02:04:38

256QAM

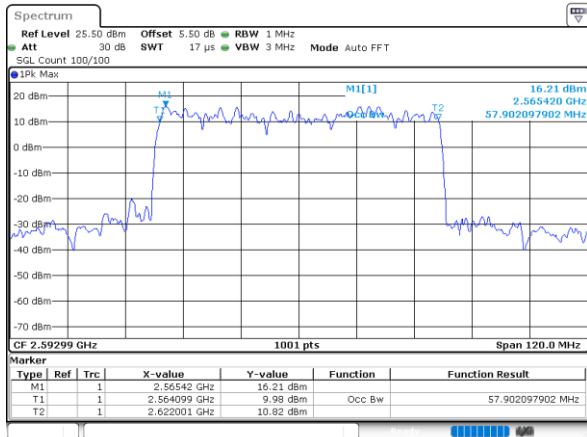


Date: 23\_JAN\_2021 02:07:25



FR1 n41 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

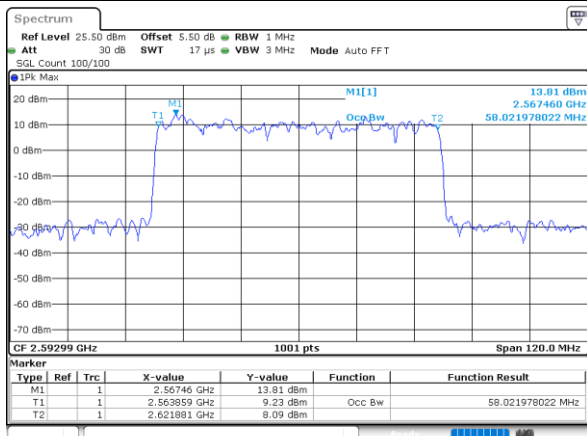
PI/2 BPSK



Date: 19. DEC. 2020 10:46:37

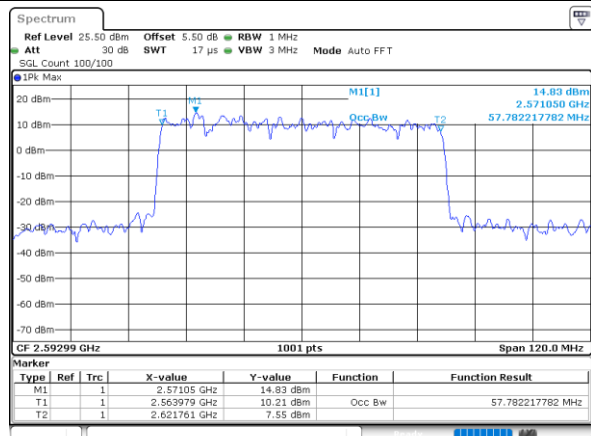
FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



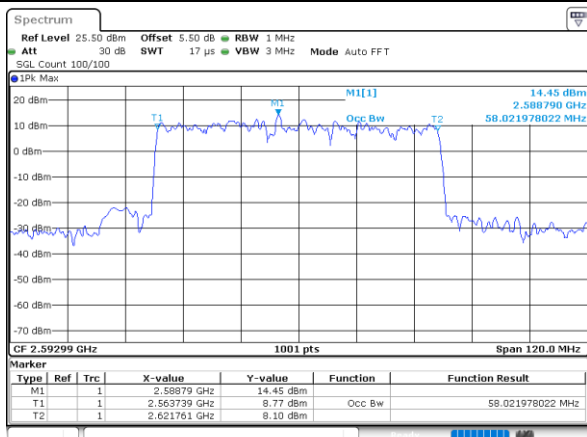
Date: 19. DEC. 2020 10:44:22

16QAM



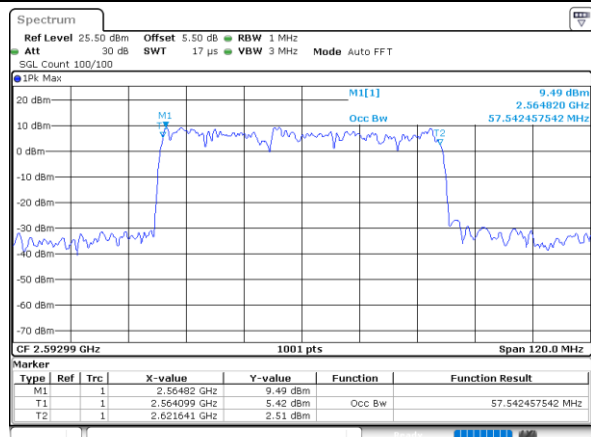
Date: 19. DEC. 2020 10:44:40

64QAM



Date: 19. DEC. 2020 10:44:56

256QAM



Date: 19. DEC. 2020 10:45:19



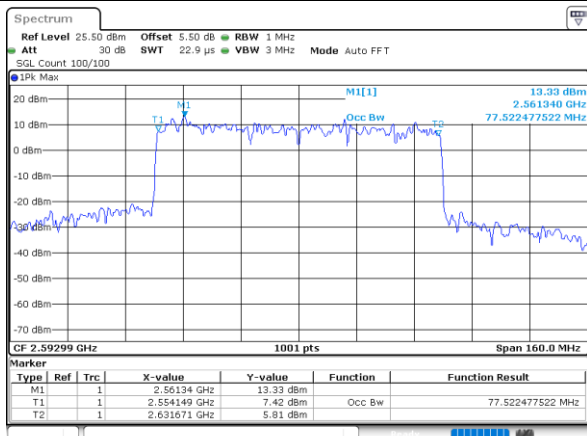
FR1 n41 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

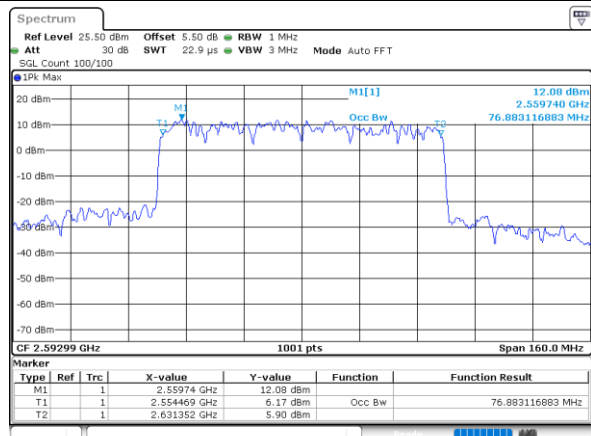


FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

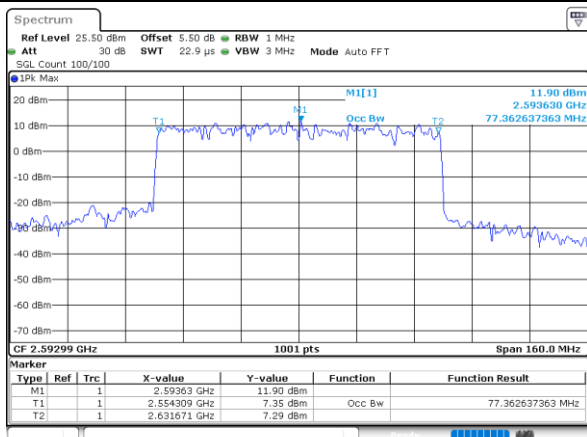
QPSK



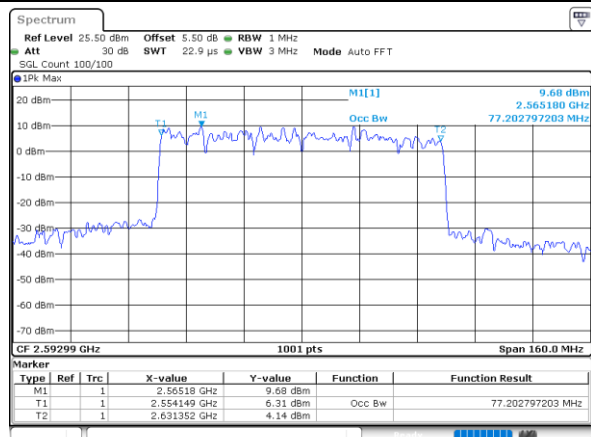
16QAM



64QAM



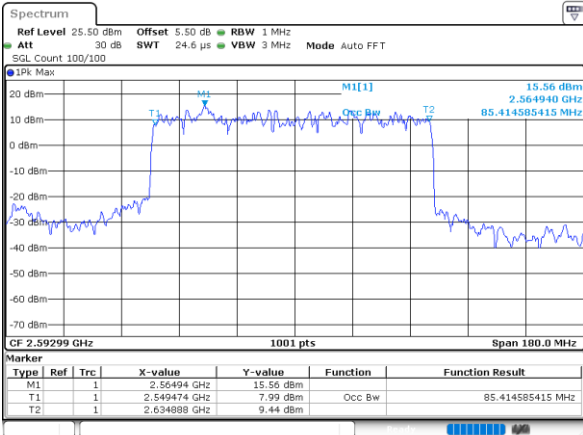
256QAM





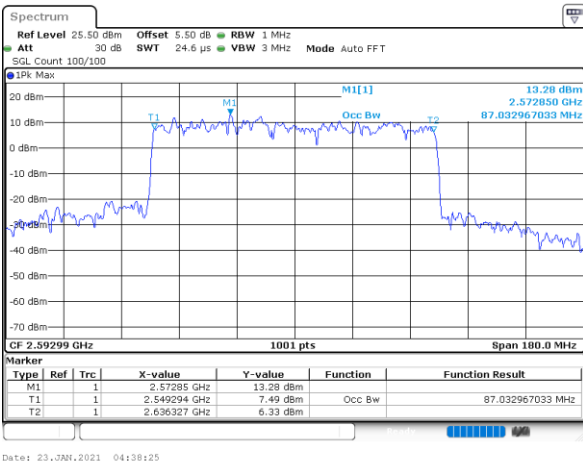
FR1 n41 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

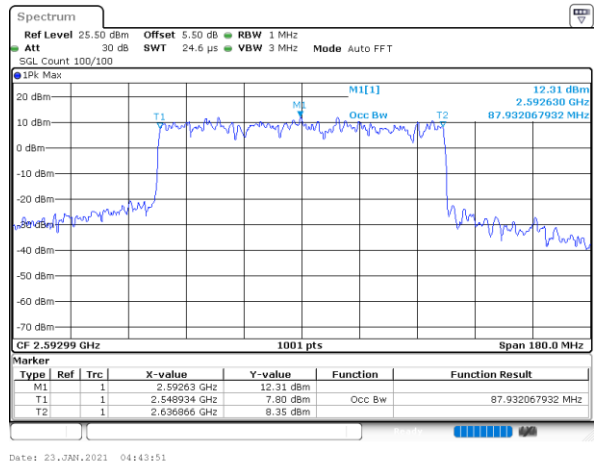


FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

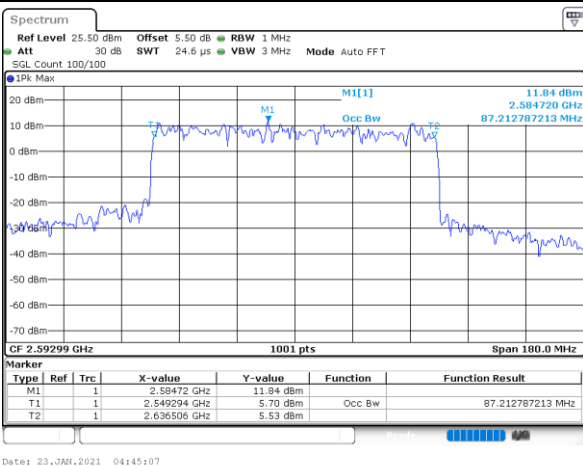
QPSK



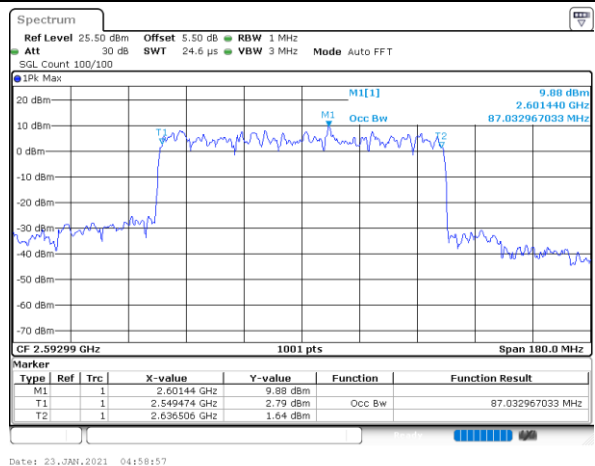
16QAM



64QAM



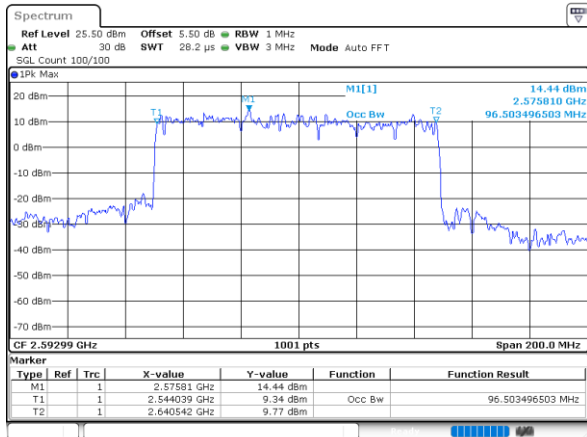
256QAM





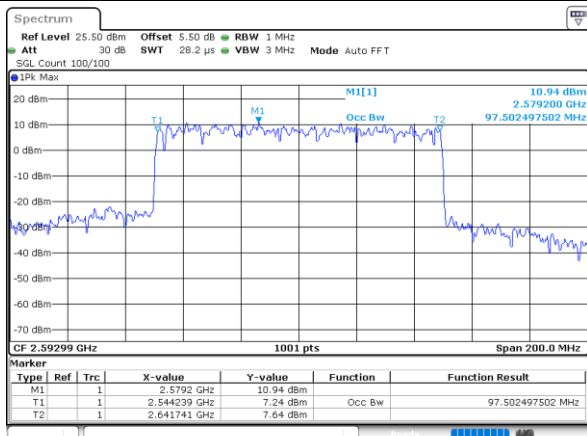
FR1 n41 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

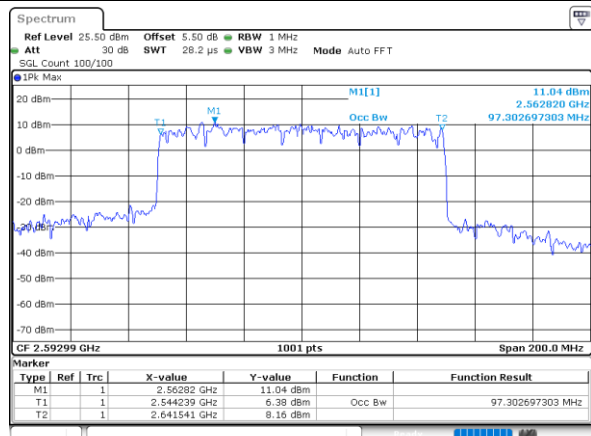


FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

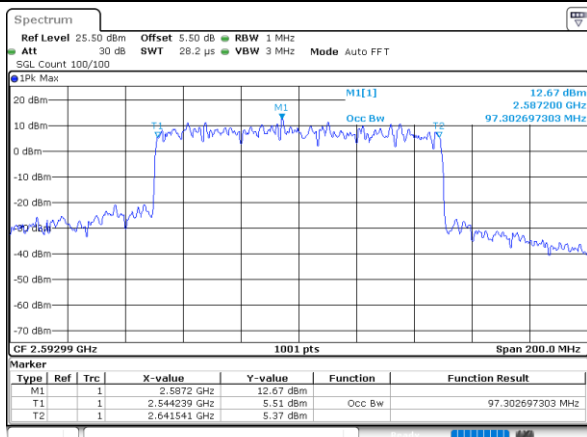
QPSK



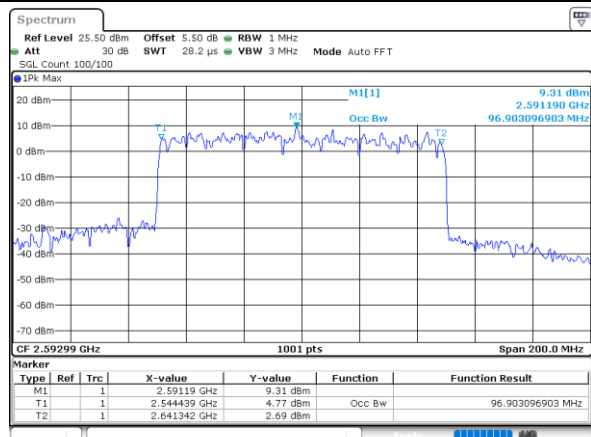
16QAM



64QAM



256QAM



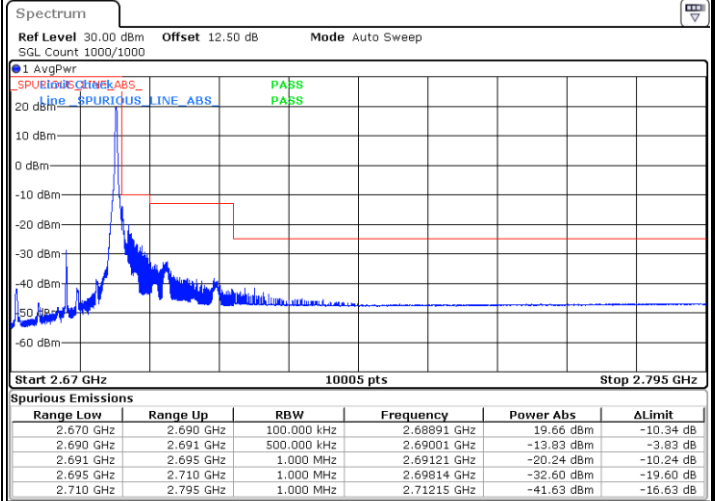
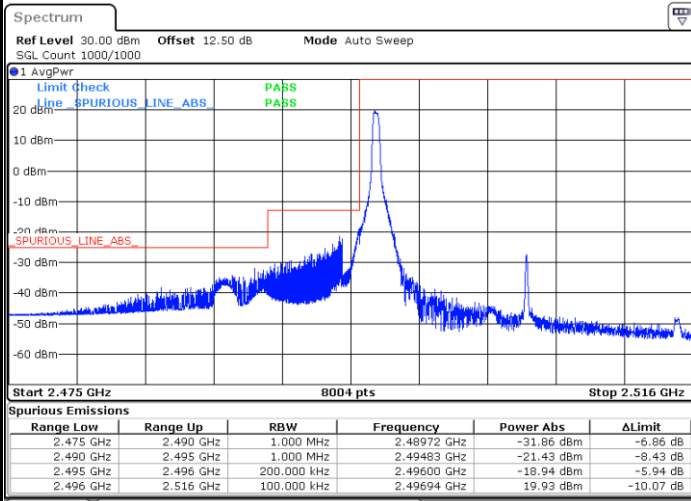


# Conducted Band Edge

FR1 n41 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

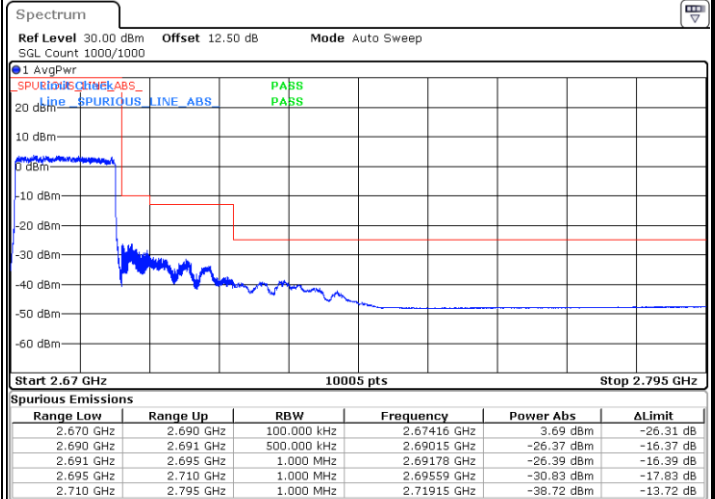
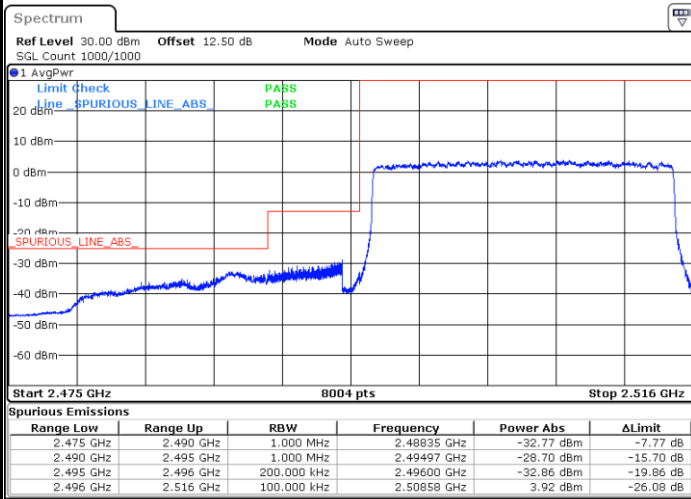


Date: 19.DEC.2020 09:19:17

Date: 19.DEC.2020 09:52:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.DEC.2020 08:59:24

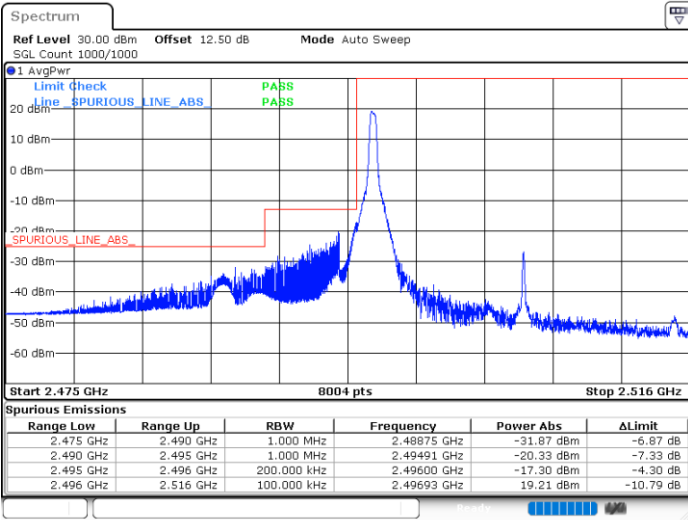
Date: 19.DEC.2020 10:11:12



FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



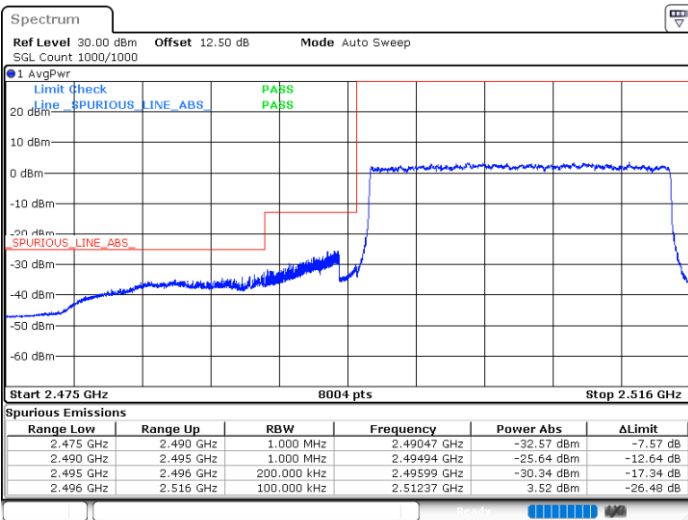
Date: 19.DEC.2020 09:16:37



Date: 19.DEC.2020 09:56:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.DEC.2020 09:02:10



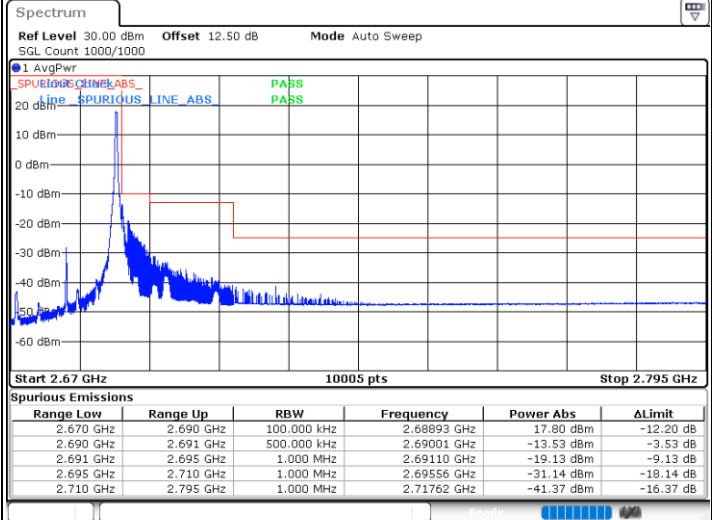
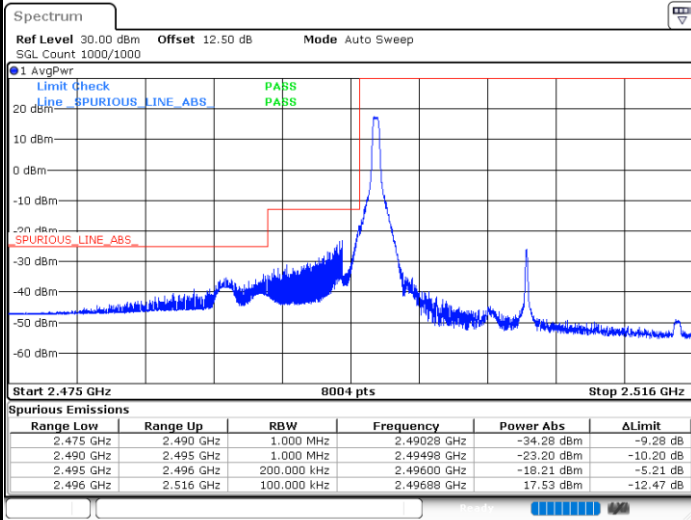
Date: 19.DEC.2020 10:09:58



FR1 n41 / 20MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

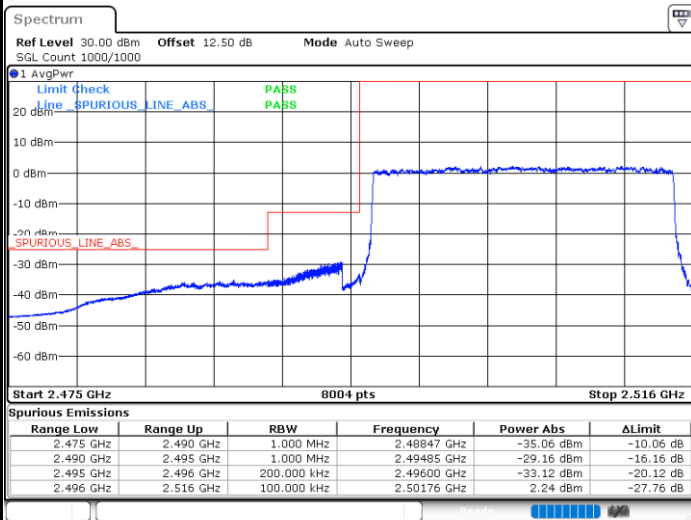


Date: 19.DEC.2020 09:13:32

Date: 19.DEC.2020 10:00:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.DEC.2020 09:05:32

Date: 19.DEC.2020 10:08:24

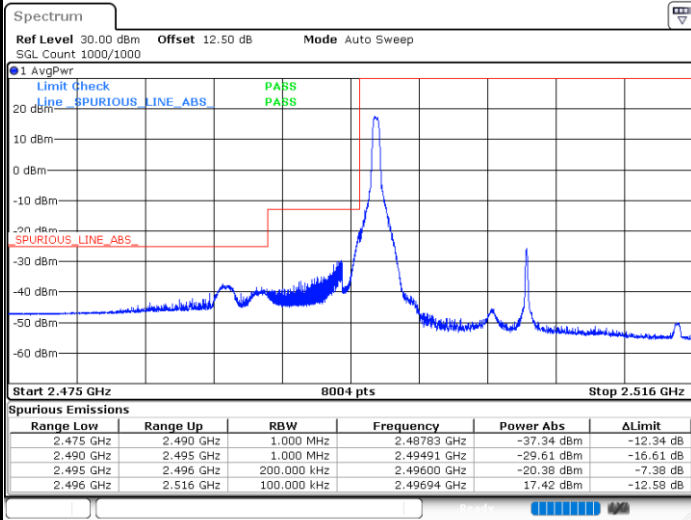




FR1 n41 / 20MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

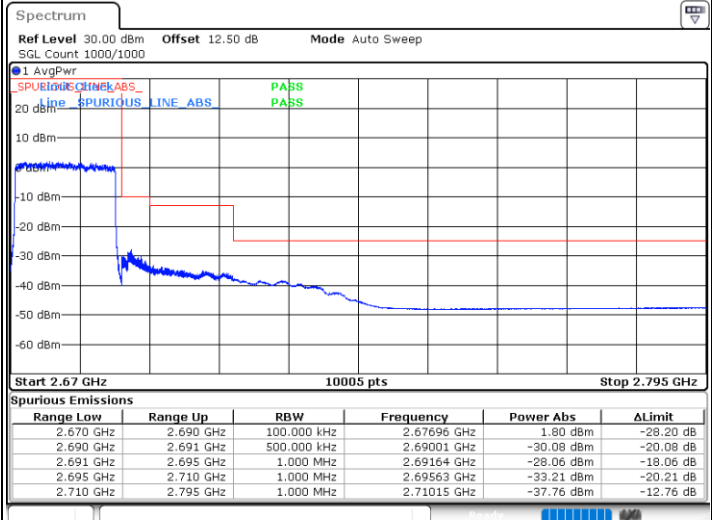
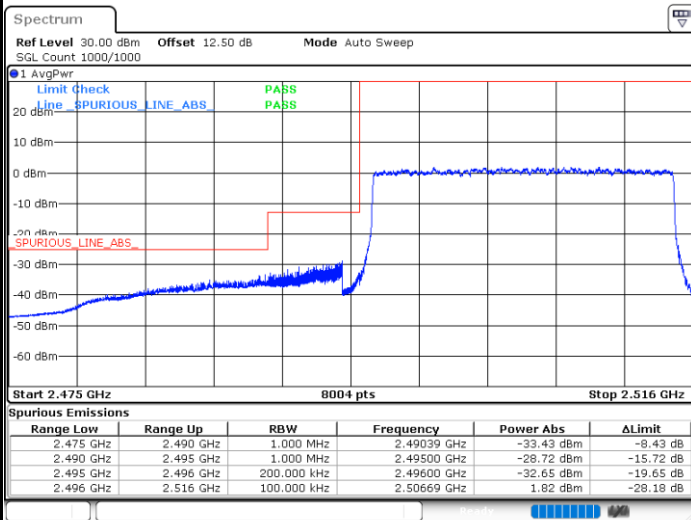


Date: 19, DEC. 2020 09:10:54

Date: 19, DEC. 2020 10:04:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19, DEC. 2020 09:08:12

Date: 19, DEC. 2020 10:06:58