



# FCC RF Test Report

**APPLICANT** : Xiaomi Communications Co., Ltd.  
**EQUIPMENT** : Mobile Phone  
**BRAND NAME** : Xiaomi  
**MODEL NAME** : M2011K2G  
**FCC ID** : 2AFZZK2G  
**STANDARD** : 47 CFR Part 2, 22, 24, 27  
**CLASSIFICATION** : PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Oct. 23, 2020 and completely tested on Dec. 16, 2020. We, Sporton International (KunShan) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (KunShan) Inc., the test report shall not be reproduced except in full.

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People's Republic of China**



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## SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(5)	Effective Radiated Power (5G NR n5)	ERP < 7 Watt		
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n7)	EIRP < 2Watt		
3.5	§27.50(j)(4)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §22.917(a)	Conducted Band Edge Measurement (5G NR n5)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n7)	§27.53(m)(4)		
3.8	§2.1051 §22.917(a)	Conducted Spurious Emission (5G NR n5)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n7)	< 55+10log <sub>10</sub> (P[Watts])		
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a)	Radiated Spurious Emission (5G NR n5)	< 43+10log <sub>10</sub> (P[Watts])	PASS	Under limit 31.60 dB at 10100.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n7)	< 55+10log <sub>10</sub> (P[Watts])		



# 1 General Description

## 1.1 Applicant

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

## 1.2 Manufacturer

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	M2011K2G
FCC ID	2AFZZK2G
EUT supports Radios application	GSM/WCDMA/LTE/5GNR/NFC WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE GNSS
IMEI Code	Conducted : 868285059998003 Radiation : 868285059998011
HW Version	P2
SW Version	MIUI12
EUT Stage	Identical Prototype

**Remark:**

1. Only 5G NR bands are tested in this report, all the other RF bands are tested in the other reports separately.
2. There are two types of EUT, the sample 1 is 6+128GB capacity and the sample 2 is 8+256GB capacity. According to the difference, we only choose sample 1 to perform full tests.



### 1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
<b>Tx Frequency</b>	5G NR n5: 826.5 MHz ~ 846.5 MHz 5G NR n7: 2502.5 MHz ~ 2567.5 MHz
<b>Rx Frequency</b>	5G NR n5: 871.5 MHz ~ 891.5 MHz 5G NR n7: 2622.5 MHz ~ 2687.5 MHz
<b>Bandwidth</b>	NSA: n5, n7: 5MHz / 10MHz / 15MHz / 20MHz SA: n7: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz / 50MHz
<b>Antenna Gain</b>	5G NR n5:: -7.64 dBi 5G NR n7:: -1.61 dBi
<b>Type of Modulation</b>	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

**Note:**

1. For Ant1& Ant2 & Ant3 & Ant4, the whole testing has assessed Ant1/Ant2 by referring to the higher conducted power.
2. The Maximum ERP/EIRP is calculated from Max Output power and Max antenna gain, only the maximum ERP/EIRP is shown in the report.

### 1.5 Modification of EUT

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

### 1.6 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

5G NR n5		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	826.5 ~ 846.5	4M50G7D	0.0250	4M51G7D	0.0248
10	829.0 ~ 844.0	9M09G7D	0.0246	9M09G7D	0.0249
15	831.5 ~ 841.5	13M5G7D	0.0248	13M5G7D	0.0253
20	834.0 ~ 839.0	18M3G7D	0.0248	18M4G7D	0.0254
<b>Frequency Tolerance (ppm)</b>		0.0018			
5G NR n5		16QAM		64QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	826.5 ~ 846.5	4M49W7D	0.0203	4M50W7D	0.0150
10	829.0 ~ 844.0	9M07W7D	0.0199	9M05W7D	0.0143



15	831.5 ~ 841.5	13M6W7D	0.0200	13M5W7D	0.0151
20	834.0 ~ 839.0	18M3W7D	0.0200	18M5W7D	0.0145
<b>Frequency Tolerance (ppm)</b>		-			
<b>5G NR n5</b>		<b>256QAM</b>			
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)		
5	826.5 ~ 846.5	4M49W7D	0.0093		
10	829.0 ~ 844.0	9M03W7D	0.0090		
15	831.5 ~ 841.5	13M5W7D	0.0093		
20	834.0 ~ 839.0	18M3W7D	0.0094		
<b>Frequency Tolerance (ppm)</b>		-			

5G NR n7		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	4M52G7D	0.1560	4M49G7D	0.1545
10	2505.0 ~ 2565.0	9M07G7D	0.1603	9M05G7D	0.1614
15	2507.5 ~ 2562.5	13M5G7D	0.1671	13M5G7D	0.1663
20	2510.0 ~ 2560.0	18M4G7D	0.1694	18M4G7D	0.1698
50	2525.0 ~ 2545.0	-	-	50M2G7D	0.2138
<b>Frequency Tolerance (ppm)</b>		0.0018			
5G NR n7		16QAM		64QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	4M50W7D	0.1265	4M50W7D	0.0989
10	2505.0 ~ 2565.0	9M07W7D	0.1288	9M07W7D	0.0916
15	2507.5 ~ 2562.5	13M5W7D	0.1371	13M5W7D	0.1000
20	2510.0 ~ 2560.0	18M4W7D	0.1349	18M3W7D	0.1005
50	2525.0 ~ 2545.0	50M2W7D	0.1535	-	-
<b>Frequency Tolerance (ppm)</b>		-			
5G NR n7		<b>256QAM</b>			
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)		Maximum EIRP(W)	
5	2502.5 ~ 2567.5	4M52W7D		0.0564	
10	2505.0 ~ 2565.0	9M03W7D		0.0592	
15	2507.5 ~ 2562.5	13M5W7D		0.0627	



20	2510.0 ~ 2560.0	18M4W7D	0.0662
50	2525.0 ~ 2545.0	-	-
<b>Frequency Tolerance (ppm)</b>		-	

### 1.7 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

<b>Test Firm</b>	Sporton International (Kunshan) Inc.		
<b>Test Site Location</b>	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	03CH04-KS TH01-KS	CN1257	314309

### 1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24a

### 1.9 Applicable Standards

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

- 47 CFR Part 2, 22, 24, 27
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

**Remark:**

All test items were verified and recorded according to the standards and without any deviation during the test.

## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

Antenna port conducted and radiated test items 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 (Y plane) were recorded in this report.

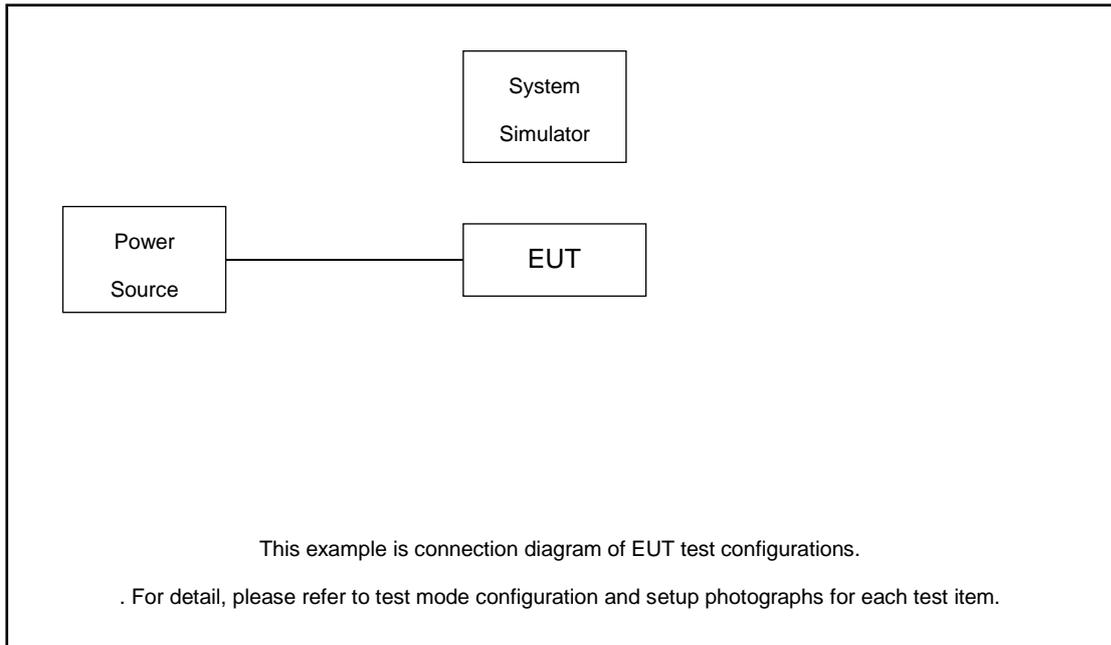
The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

Test Items	5G NR	Bandwidth (MHz)							Modulation					RB #		Test Channel		
		5	10	15	20	25-50	60-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Max. Output Power	n5	v	v	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v
	n7	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n5				v	-	-	-	v	v	v	v	v		v	v	v	v
	n7					v	-	-	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	n5	v	v	v	v	-	-	-	v	v	v	v	v		v	v	v	v
	n7	v	v	v	v	v	-	-	v	v	v	v	v		v	v	v	v
Conducted Band Edge	n5	v	v	v	v	-	-	-	v	v	v	v	v	v	v	v		v
	n7	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v		v
Conducted Spurious Emission	n5	v	v	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v
	n7	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
Frequency Stability	n5				v	-	-	-		v					v		v	
	n7					v	-	-		v					v		v	
E.R.P / E.I.R.P	n5	v	v	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v
	n7	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n5	Worst Case															v	
	n7	Worst Case															v	
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under																	

- different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.
4. 5G NR supports SA and NSA mode (refer to the Operation Description), based on engineering evaluation, and according to the maximum power, only show the worst mode in the report.
  5. For modulation of CP-OFDM and DFT-s-OFDM, the maximum power of CP-OFDM is lower than DFT-s-OFDM modulation, therefore, we chose higher power (DFT-s-OFDM modulation) to perform all tests and show in the report.
  6. Based on engineering evaluation, only the worst modulation test results are shown in the report.

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
4.	Fixture	INTEL	NGFF Card Carrier	N/A	N/A	N/A



## 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.

*Offset = RF cable loss.*

Following shows an offset computation example with cable loss 6 dB.

Example :

*Offset(dB) = RF cable loss(dB).*

*= 6 (dB)*



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

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

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

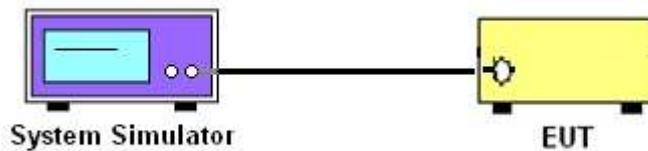
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

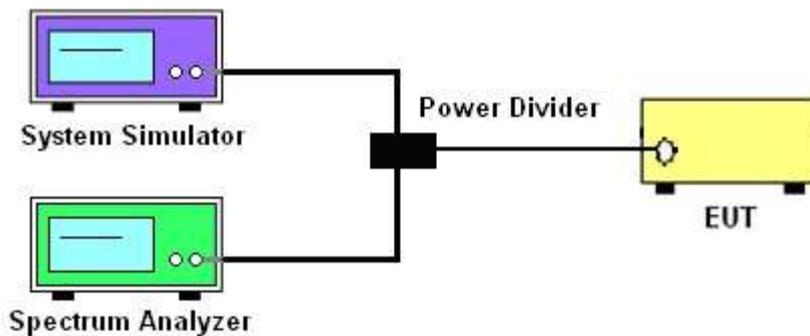
See list of measuring instruments of this test report.

#### 3.2 Test Setup

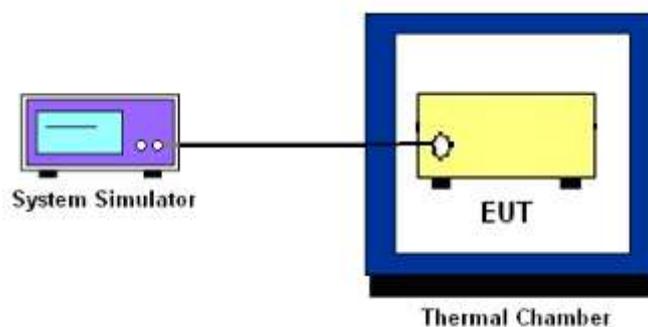
##### 3.2.1 Conducted Output Power



##### 3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



##### 3.2.3 Frequency Stability



### 3.3 Test Result of Conducted Test

Please refer to Appendix A.



### 3.4 Conducted Output Power and ERP/EIRP

#### 3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

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

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

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n7.

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

#### 3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.



## 3.5 Peak-to-Average Ratio

### 3.5.1 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.

### 3.5.2 Test Procedures

For 5G NR n5 :

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

For 5G NR n7:

1. The testing follows ANSI C63.26 Section 5.2.6 (PAPR).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set EUT in maximum power output.
4. Set the RBW = 1MHz, VBW = 3MHz, Detector = Peak, Trace mode = max hold, Set span  $\geq 2 \times$  OBW in spectrum analyzer.
5. Set the RBW = 1MHz, VBW = 3MHz, Detector = power averaging, Trace mode = max hold, Set span  $\geq 2 \times$  OBW in spectrum analyzer.
6. Add  $[10 \log (1/\text{duty cycle})]$  to the measured maximum power level to compute the average power during continuous transmission.
7.  $\text{PAPR (dB)} = P_{\text{Pk}} \text{ (dBm)} - P_{\text{Avg}} \text{ (dBm)}$

where

PAPR peak-to-average power ratio, in dB

$P_{\text{Pk}}$  measured peak power level, in dBm

$P_{\text{Avg}}$  measured average power level, in dBm

8. Record the deviation as Peak to Average Ratio.



## 3.6 Occupied Bandwidth

### 3.6.1 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.

### 3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. 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.
5. Set the detection mode to peak, and the trace mode to max hold.
6. 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)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. 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.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



## 3.7 Conducted Band Edge

### 3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

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

27.53(m)(4)

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

### 3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW  $\geq$  1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power  $P(\text{Watts})$   
 $= P(W) - [43 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB) = -13dBm.

9. For 5G NR n7, the other 40 dB, and 55 dB have additionally applied same calculation above.



## 3.8 Conducted Spurious Emission

### 3.8.1 Description of Conducted Spurious Emission Measurement

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

For 5G NR n7:

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.

### 3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB)  
 $= -13$ dBm.
11. For 5G NR n7  
The limit line is derived from  $55 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [55 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[55 + 10\log(P)]$  (dB)  
 $= -25$ dBm.



## 3.9 Frequency Stability

### 3.9.1 Description of Frequency Stability Measurement

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

### 3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. 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.
4. 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.

### 3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

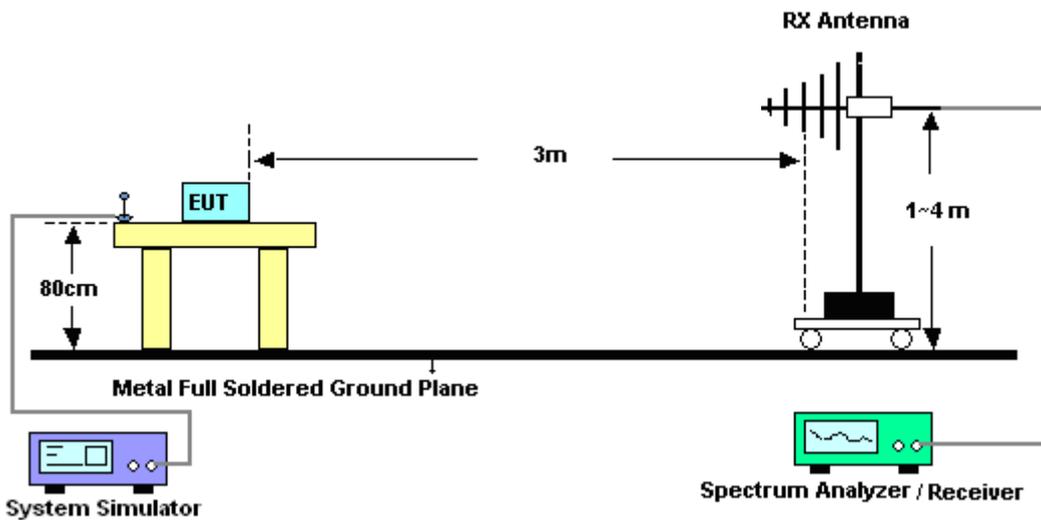
## 4 Radiated Test Items

### 4.1 Measuring Instruments

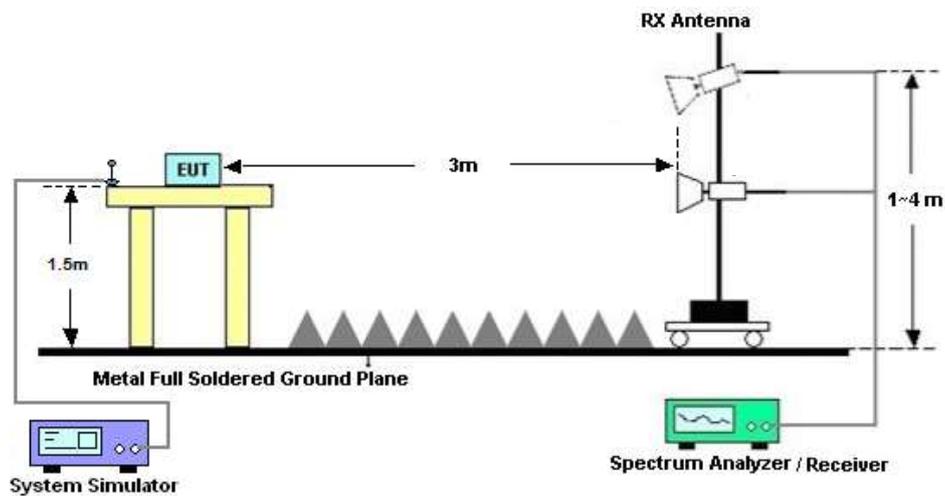
See list of measuring instruments of this test report.

### 4.2 Test Setup

#### 4.2.1 For radiated test from 30MHz to 1GHz



#### 4.2.2 For radiated test above 1GHz



### 4.3 Test Result of Radiated Test

Please refer to Appendix B.



## 4.4 Radiated Spurious Emission

### 4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

For 5G NR n7

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.

### 4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10.  $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11.  $ERP (dBm) = EIRP - 2.15$
12. 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)  
 $= P(W) - [43 + 10\log(P)] (dB)$   
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$   
 $= -13dBm.$

13. For 5G NR n7:

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



## 5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Nov. 02, 2020	Nov. 15, 2020~ Dec. 16, 2020	Nov. 01, 2021	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	-40~+150°C	Oct. 27, 2020	Nov. 15, 2020~ Dec. 16, 2020	Oct. 26, 2021	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 15, 2020	Nov. 28, 2020	Apr. 14, 2021	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Jan. 03, 2020	Nov. 28, 2020	Jan. 02, 2021	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1356	1GHz~18GHz	Apr. 20, 2020	Nov. 28, 2020	Apr. 19, 2021	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 09, 2020	Nov. 28, 2020	Nov. 08, 2021	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 03, 2020	Nov. 28, 2020	Jan. 02, 2021	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 08, 2020	Nov. 28, 2020	Jan. 07, 2021	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 QP	2025788	1Ghz-18Ghz	Jan. 03, 2020	Nov. 28, 2020	Jan. 02, 2021	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 14, 2020	Nov. 28, 2020	Oct. 13, 2021	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Nov. 28, 2020	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Nov. 28, 2020	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Nov. 28, 2020	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required



## 6 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.3dB
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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))	2.8dB
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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))	2.8dB
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## Appendix A. Test Results of Conducted Test

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



5G NR n7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	EIRP	EIRP	EIRP
Channel				505000	507000	509000		L	M	H
Frequency (MHz)				2525	2535	2545				
50	PI/2 BPSK	1	1	24.68	24.69	24.65	-1.61	0.2028	0.2032	0.2014
50	QPSK	1	1	24.83	24.91	24.86	-1.61	0.2099	0.2138	0.2113
50	QPSK	1	108	24.02	24.70	24.36		0.1742	0.2037	0.1884
50	QPSK	1	214	23.85	23.61	23.71		0.1675	0.1585	0.1622
50	QPSK	108	0	20.74	22.69	21.69	-1.61	0.0818	0.1282	0.1019
50	QPSK	108	54	23.72	24.41	23.98	-1.61	0.1626	0.1905	0.1726
50	QPSK	108	108	24.35	24.00	24.01	-1.61	0.1879	0.1734	0.1738
50	QPSK	216	0	22.47	22.94	22.67		0.1219	0.1358	0.1276
50	16QAM	1	1	23.47	23.07	23.24	-1.61	0.1535	0.1400	0.1455
50	64QAM	1	1	22.13	21.75	21.64	-1.61	0.1127	0.1033	0.1007
50	256QAM	1	1	20.56	20.59	20.44	-1.61	0.0785	0.0791	0.0764
Channel				504000	507000	510000	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2520	2535	2550				
40	QPSK	1	1	24.78	24.81	24.83	-1.61	0.2075	0.2089	0.2099
40	16QAM	1	1	23.78	23.79	23.75	-1.61	0.1648	0.1652	0.1637
Channel				503000	507000	511000	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2515	2535	2555				
30	QPSK	1	1	24.89	24.87	24.90	-1.61	0.2128	0.2118	0.2133
30	16QAM	1	1	23.85	23.86	23.89	-1.61	0.1675	0.1679	0.1690
Channel				502500	507000	511500	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2512.5	2535	2557.5				
25	QPSK	1	1	24.90	24.89	24.88	-1.61	0.2133	0.2128	0.2123
25	16QAM	1	1	23.86	23.88	23.91	-1.61	0.1679	0.1687	0.1698

5G NR SA	7	MeasuredValue	-1.61	dBm	
	Channel	Maximum Average Power	24.91	dBm	
5MHz	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (W)
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.5	21.89	0.1545
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.37	21.76	0.1500
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Inner Full	23.42	21.81	0.1517
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Inner Full	23.41	21.80	0.1516
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Inner Full	23.41	21.80	0.1514
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Inner 1RB Right	23.28	21.67	0.1469
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Inner 1RB Left	23.35	21.74	0.1493
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Inner Full	23.41	21.80	0.1514
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Inner Full	23.46	21.85	0.1531
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Inner Full	23.5	21.89	0.1545
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Inner Full	23.5	21.89	0.1545
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	22.86	21.25	0.1334
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.08	21.47	0.1403
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Outer Full	23.14	21.53	0.1422
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Inner Full	23.49	21.88	0.1542
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	22.92	21.31	0.1352
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.05	21.44	0.1393
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM P1/2 BPSK Outer Full	23.1	21.49	0.1409
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Inner Full	23.45	21.84	0.1528
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Edge 1RB Left	22.48	20.87	0.1222
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Edge 1RB Right	22.59	20.91	0.1233
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM QPSK Outer Full	22.62	21.01	0.1262
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 16QAM Inner Full	22.63	21.02	0.1265
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 16QAM Edge 1RB Left	21.23	19.62	0.1016
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 16QAM Edge 1RB Right	21.42	19.81	0.1071
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 16QAM Outer Full	21.67	20.06	0.1014
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 64QAM Edge 1RB Left	20.76	19.15	0.0822
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 64QAM Edge 1RB Right	21.56	19.95	0.0989
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 64QAM Outer Full	21.1	19.49	0.0823
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 256QAM Edge 1RB Left	18.93	17.32	0.0540
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 256QAM Edge 1RB Right	19.01	17.40	0.0550
	524500	SMWZ 15KHZ 524500 DFT-s-OFDM 256QAM Outer Full	19.11	17.50	0.0562
	524500	SMWZ 15KHZ 524500 CP-OFDM QPSK Inner Full	20.9	18.79	0.1293
	524500	SMWZ 15KHZ 524500 CP-OFDM QPSK Edge 1RB Left	20.49	18.88	0.0773
	524500	SMWZ 15KHZ 524500 CP-OFDM QPSK Edge 1RB Right	20.49	18.88	0.0773
	524500	SMWZ 15KHZ 524500 CP-OFDM QPSK Outer Full	20.47	18.86	0.0769
	524500	SMWZ 15KHZ 524500 CP-OFDM 16QAM Inner Full	20.42	18.81	0.0763
	524500	SMWZ 15KHZ 524500 CP-OFDM 16QAM Edge 1RB Left	20.3	18.69	0.0740
	524500	SMWZ 15KHZ 524500 CP-OFDM 16QAM Edge 1RB Right	20.54	18.93	0.0782
	524500	SMWZ 15KHZ 524500 CP-OFDM 16QAM Outer Full	20.51	18.90	0.0776
	524500	SMWZ 15KHZ 524500 CP-OFDM 64QAM Edge 1RB Left	20.2	18.59	0.0698
	524500	SMWZ 15KHZ 524500 CP-OFDM 64QAM Edge 1RB Right	20.05	18.44	0.0698
	524500	SMWZ 15KHZ 524500 CP-OFDM 64QAM Outer Full	20.06	18.45	0.0700
	524500	SMWZ 15KHZ 524500 CP-OFDM 256QAM Edge 1RB Left	17.35	15.74	0.0375
	524500	SMWZ 15KHZ 524500 CP-OFDM 256QAM Edge 1RB Right	17.62	15.41	0.0348
	524500	SMWZ 15KHZ 524500 CP-OFDM 256QAM Outer Full	17.07	15.46	0.0352
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.32	21.71	0.1483
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.29	21.68	0.1472
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.45	21.84	0.1528
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.44	21.83	0.1524
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.45	21.84	0.1528
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Inner 1RB Right	23.44	21.83	0.1524
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Inner 1RB Left	23.49	21.88	0.1542
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Inner Full	23.49	21.88	0.1542
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Inner Full	23.33	21.72	0.1486
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Inner Full	23.28	21.67	0.1469
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.44	21.83	0.1524
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.44	21.83	0.1524
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	22.99	21.38	0.1374
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Outer Full	23.06	21.45	0.1396
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.54	21.93	0.1560
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	22.7	21.37	0.1357
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.02	21.41	0.1384
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Outer Full	23.16	21.55	0.1429
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Inner Full	23.29	21.68	0.1472
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Edge 1RB Left	22.4	20.79	0.1158
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Edge 1RB Right	22.4	20.79	0.1159
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM QPSK Outer Full	22.64	21.03	0.1268
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 16QAM Inner Full	22.51	20.90	0.1230
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 16QAM Edge 1RB Left	21.42	19.61	0.0853
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 16QAM Edge 1RB Right	21.29	19.68	0.0929
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 16QAM Outer Full	21.55	19.94	0.0986
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 64QAM Edge 1RB Left	21.04	19.43	0.0877
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 64QAM Edge 1RB Right	20.6	19.09	0.0793
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 64QAM Outer Full	21	19.39	0.0859
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 256QAM Edge 1RB Left	18.94	17.33	0.0541
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 256QAM Edge 1RB Right	18.73	17.12	0.0515
	531000	SMWZ 15KHZ 531000 DFT-s-OFDM 256QAM Outer Full	19.12	17.51	0.0564
	531000	SMWZ 15KHZ 531000 CP-OFDM QPSK Inner Full	21.91	20.30	0.1072
	531000	SMWZ 15KHZ 531000 CP-OFDM QPSK Edge 1RB Left	20.35	18.74	0.0748
	531000	SMWZ 15KHZ 531000 CP-OFDM QPSK Edge 1RB Right	20.49	18.88	0.0773
	531000	SMWZ 15KHZ 531000 CP-OFDM QPSK Outer Full	19.87	18.26	0.0670
	531000	SMWZ 15KHZ 531000 CP-OFDM 16QAM Inner Full	21.45	19.84	0.0964
	531000	SMWZ 15KHZ 531000 CP-OFDM 16QAM Edge 1RB Left	20.6	18.99	0.0793
	531000	SMWZ 15KHZ 531000 CP-OFDM 16QAM Edge 1RB Right	20.77	19.16	0.0824
	531000	SMWZ 15KHZ 531000 CP-OFDM 16QAM Outer Full	20.5	18.89	0.0774
	531000	SMWZ 15KHZ 531000 CP-OFDM 64QAM Edge 1RB Left	18.78	17.08	0.0538
	531000	SMWZ 15KHZ 531000 CP-OFDM 64QAM Edge 1RB Right	20.09	18.48	0.0705
	531000	SMWZ 15KHZ 531000 CP-OFDM 64QAM Outer Full	20.11	18.50	0.0708
	531000	SMWZ 15KHZ 531000 CP-OFDM 256QAM Edge 1RB Left	17.36	15.75	0.0376
	531000	SMWZ 15KHZ 531000 CP-OFDM 256QAM Edge 1RB Right	16.6	14.99	0.0316
	531000	SMWZ 15KHZ 531000 CP-OFDM 256QAM Outer Full	17.1	15.49	0.0354
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.02	21.41	0.1384
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.07	21.46	0.1400
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Inner Full	23.0	21.37	0.1371
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Inner Full	23.19	21.58	0.1439
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Inner Full	23.15	21.54	0.1426
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Inner 1RB Right	23.21	21.60	0.1445
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Inner 1RB Left	23.08	21.47	0.1403
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Inner Full	23.11	21.50	0.1413
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Inner Full	23.26	21.65	0.1462
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Inner Full	23.17	21.56	0.1432
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Inner Full	23.2	21.59	0.1442
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	22.71	21.10	0.1288
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	22.73	21.12	0.1294
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Outer Full	22.85	21.24	0.1330
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Inner Full	23.27	21.66	0.1466
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	22.88	21.07	0.1279
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	22.82	21.21	0.1321
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM P1/2 BPSK Outer Full	22.86	21.25	0.1334
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Inner Full	23.28	21.67	0.1469
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Edge 1RB Left	22.28	20.65	0.1161
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Edge 1RB Right	22.31	20.70	0.1175
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM QPSK Outer Full	22.39	20.78	0.1197
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 16QAM Inner Full	22.47	20.86	0.1219
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 16QAM Edge 1RB Left	20.55	19.94	0.0986
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 16QAM Edge 1RB Right	21.24	19.63	0.0918
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 16QAM Outer Full	21.45	19.84	0.0964
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 64QAM Edge 1RB Left	21.01	19.40	0.0871
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 64QAM Edge 1RB Right	21.11	19.50	0.0891
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 64QAM Outer Full	20.81	19.20	0.0832
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 256QAM Edge 1RB Left	18.62	17.01	0.0502
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 256QAM Edge 1RB Right	19.12	17.51	0.0564
	537500	SMWZ 15KHZ 537500 DFT-s-OFDM 256QAM Outer Full	18.74	17.13	0.0516
	537500	SMWZ 15KHZ 537500 CP-OFDM QPSK Inner Full	21.47	19.86	0.0968
	537500	SMWZ 15KHZ 537500 CP-OFDM QPSK Edge 1RB Left	20.35	18.74	0.0748
	537500	SMWZ 15KHZ 537500 CP-OFDM QPSK Edge 1RB Right	20.33	18.72	0.0745
	537500	SMWZ 15KHZ 537500 CP-OFDM QPSK Outer Full	20.43	18.82	0.0762
	537500	SMWZ 15KHZ 537500 CP-OFDM 16QAM Inner Full	21.47	19.88	0.0968
	537500	SMWZ 15KHZ 537500 CP-OFDM 16QAM Edge 1RB Left	20.28	18.67	0.0736
	537500	SMWZ 15KHZ 537500 CP-OFDM 16QAM Edge 1RB Right	20.56	18.95	0.0785
	537500	SMWZ 15KHZ 537500 CP-OFDM 16QAM Outer Full	20.22	18.61	0.0726
	537500	SMWZ 15KHZ 537500 CP-OFDM 64QAM Edge 1RB Left	19.74	18.16	0.0672
	537500	SMWZ 15KHZ 537500 CP-OFDM 64QAM Edge 1RB Right	19.74	18.13	0.0650
	537500	SMWZ 15KHZ 537500 CP-OFDM 64QAM Outer Full	19.79	18.18	0.0658
	537500	SMWZ 15KHZ 537500 CP-OFDM 256QAM Edge 1RB Left	16.72	15.11	0.0324
	537500	SMWZ 15KHZ 537500 CP-OFDM 256QAM Edge 1RB Right	16.69	15.08	0.0322
	537500	SMWZ 15KHZ 537500 CP-OFDM 256QAM Outer Full	16.83	15.22	0.0333

10MHZ	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (W)
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Inner 18B Right	23.58	21.97	0.1574
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Inner 18B Left	23.32	21.71	0.1483
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Inner Full	23.56	21.95	0.1567
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Inner Full	23.59	21.98	0.1568
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Inner Full	23.55	21.94	0.1563
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Inner 18B Right	23.43	21.82	0.1521
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Inner 18B Left	23.42	21.81	0.1517
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Inner Full	23.64	22.03	0.1588
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Inner Full	23.69	22.08	0.1614
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Inner Full	23.57	21.96	0.1570
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Inner Full	23.57	21.96	0.1570
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Edge 18B Left	23.07	21.46	0.1409
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Edge 18B Right	23.1	21.49	0.1409
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Outer Full	23.22	21.61	0.1449
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Inner Full	23.66	22.05	0.1603
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Edge 18B Left	23.08	21.47	0.1403
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Edge 18B Right	23.24	21.63	0.1455
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM P1/2 BPSK Outer Full	23.22	21.61	0.1449
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Inner Full	23.57	21.96	0.1570
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Edge 18B Left	22.59	20.98	0.1253
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Edge 18B Right	22.74	21.13	0.1297
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM QPSK Outer Full	22.72	21.11	0.1291
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 16QAM Inner Full	22.71	21.10	0.1288
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 16QAM Edge 18B Left	21.55	19.94	0.0986
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 16QAM Edge 18B Right	21.53	19.92	0.0982
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 16QAM Outer Full	21.73	20.12	0.1028
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 64QAM Edge 18B Left	20.8	19.19	0.0830
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 64QAM Edge 18B Right	21.22	19.61	0.0914
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 64QAM Outer Full	21.23	19.62	0.0915
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 256QAM Edge 18B Left	19.15	17.54	0.0568
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 256QAM Edge 18B Right	19.33	17.72	0.0592
	525000	10MHZ 15KHZ 525000 DFT-s-OFDM 256QAM Outer Full	19.19	17.58	0.0573
	525000	10MHZ 15KHZ 525000 CP-OFDM QPSK Inner Full	22.07	21.12	0.1318
	525000	10MHZ 15KHZ 525000 CP-OFDM QPSK Edge 18B Left	20.51	18.90	0.0776
	525000	10MHZ 15KHZ 525000 CP-OFDM QPSK Edge 18B Right	20.68	19.07	0.0807
	525000	10MHZ 15KHZ 525000 CP-OFDM QPSK Outer Full	20.59	18.98	0.0791
	525000	10MHZ 15KHZ 525000 CP-OFDM 16QAM Inner Full	21.09	19.48	0.0878
	525000	10MHZ 15KHZ 525000 CP-OFDM 16QAM Edge 18B Left	20.48	18.87	0.0771
	525000	10MHZ 15KHZ 525000 CP-OFDM 16QAM Edge 18B Right	21.03	19.42	0.0875
	525000	10MHZ 15KHZ 525000 CP-OFDM 16QAM Outer Full	20.73	19.12	0.0817
	525000	10MHZ 15KHZ 525000 CP-OFDM 64QAM Edge 18B Left	19.28	17.69	0.0578
	525000	10MHZ 15KHZ 525000 CP-OFDM 64QAM Edge 18B Right	20.01	18.40	0.0692
	525000	10MHZ 15KHZ 525000 CP-OFDM 64QAM Outer Full	20.26	18.65	0.0733
	525000	10MHZ 15KHZ 525000 CP-OFDM 256QAM Edge 18B Left	17.39	15.78	0.0378
	525000	10MHZ 15KHZ 525000 CP-OFDM 256QAM Edge 18B Right	17.34	15.73	0.0374
	525000	10MHZ 15KHZ 525000 CP-OFDM 256QAM Outer Full	17.17	15.56	0.0360
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner 18B Right	23.32	21.71	0.1483
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner 18B Left	23.36	21.75	0.1496
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.46	21.85	0.1531
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.46	21.85	0.1531
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.51	21.90	0.1549
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM QPSK Inner 18B Right	23.34	21.73	0.1489
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM QPSK Inner 18B Left	23.35	21.74	0.1493
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM QPSK Inner Full	23.49	21.88	0.1542
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM QPSK Inner Full	23.42	21.81	0.1517
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM QPSK Inner Full	23.42	21.81	0.1517
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.43	21.82	0.1521
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.49	21.88	0.1542
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Edge 18B Left	22.07	21.12	0.1318
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Edge 18B Right	22.88	21.27	0.1340
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Outer Full	23.02	21.41	0.1384
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Inner Full	23.5	21.89	0.1545
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Edge 18B Left	22.84	21.22	0.1334
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Edge 18B Right	22.95	21.34	0.1361
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM P1/2 BPSK Outer Full	23.01	21.40	0.1380
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM QPSK Inner Full	23.42	21.81	0.1517
	531000	10MHZ 15KHZ 531000 CP-OFDM QPSK Edge 18B Left	22.5	20.99	0.1277
	531000	10MHZ 15KHZ 531000 CP-OFDM QPSK Edge 18B Right	22.46	20.85	0.1216
	531000	10MHZ 15KHZ 531000 CP-OFDM QPSK Outer Full	22.64	21.03	0.1268
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 16QAM Inner Full	22.45	20.84	0.1213
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 16QAM Edge 18B Left	21.22	19.61	0.0914
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 16QAM Edge 18B Right	21.52	19.91	0.0979
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 16QAM Outer Full	21.59	19.98	0.0995
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 64QAM Edge 18B Left	20.62	19.01	0.0796
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 64QAM Edge 18B Right	20.9	19.29	0.0849
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 64QAM Outer Full	21.13	19.52	0.0895
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 256QAM Edge 18B Left	19.18	17.57	0.0571
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 256QAM Edge 18B Right	18.92	17.31	0.0538
	531000	10MHZ 15KHZ 531000 DFT-s-OFDM 256QAM Outer Full	18.98	17.37	0.0546
	531000	10MHZ 15KHZ 531000 CP-OFDM QPSK Inner Full	21.87	20.96	0.1062
	531000	10MHZ 15KHZ 531000 CP-OFDM QPSK Edge 18B Left	20.35	18.74	0.0748
	531000	10MHZ 15KHZ 531000 CP-OFDM QPSK Edge 18B Right	20.44	18.83	0.0764
	531000	10MHZ 15KHZ 531000 CP-OFDM QPSK Outer Full	20.51	18.90	0.0776
	531000	10MHZ 15KHZ 531000 CP-OFDM 16QAM Inner Full	21.57	19.96	0.0991
	531000	10MHZ 15KHZ 531000 CP-OFDM 16QAM Edge 18B Left	20.43	18.82	0.0762
	531000	10MHZ 15KHZ 531000 CP-OFDM 16QAM Edge 18B Right	20.63	19.02	0.0798
	531000	10MHZ 15KHZ 531000 CP-OFDM 16QAM Outer Full	20.56	18.95	0.0785
	531000	10MHZ 15KHZ 531000 CP-OFDM 64QAM Edge 18B Left	20.17	18.56	0.0744
	531000	10MHZ 15KHZ 531000 CP-OFDM 64QAM Edge 18B Right	19.83	18.22	0.0664
	531000	10MHZ 15KHZ 531000 CP-OFDM 64QAM Outer Full	20.08	18.47	0.0703
	531000	10MHZ 15KHZ 531000 CP-OFDM 256QAM Edge 18B Left	17.13	15.52	0.0356
	531000	10MHZ 15KHZ 531000 CP-OFDM 256QAM Edge 18B Right	17.11	15.50	0.0354
	531000	10MHZ 15KHZ 531000 CP-OFDM 256QAM Outer Full	17.07	15.46	0.0352
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Inner 18B Right	23.09	21.48	0.1406
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Inner 18B Left	23.14	21.53	0.1422
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Inner Full	23.26	21.60	0.1435
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Inner Full	23.3	21.69	0.1476
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Inner Full	23.25	21.64	0.1459
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM QPSK Inner 18B Right	23.15	21.54	0.1426
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM QPSK Inner 18B Left	23.16	21.55	0.1429
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM QPSK Inner Full	23.21	21.60	0.1445
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM QPSK Inner Full	23.27	21.66	0.1466
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM QPSK Inner Full	23.25	21.64	0.1459
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Inner Full	23.28	21.67	0.1469
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Edge 18B Left	22.73	21.12	0.1294
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Edge 18B Right	22.57	20.96	0.1247
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Outer Full	22.51	20.90	0.1230
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Inner Full	23.26	21.65	0.1462
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Edge 18B Left	22.54	20.93	0.1156
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Edge 18B Right	22.21	20.60	0.1148
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM P1/2 BPSK Outer Full	22.53	20.92	0.1236
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM QPSK Inner Full	23.26	21.65	0.1462
	537000	10MHZ 15KHZ 537000 CP-OFDM QPSK Edge 18B Left	22.19	20.38	0.1143
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM QPSK Edge 18B Right	22.38	20.77	0.1194
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM QPSK Outer Full	22.41	20.80	0.1202
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 16QAM Inner Full	22.37	20.76	0.1191
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 16QAM Edge 18B Left	21.44	19.83	0.0962
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 16QAM Edge 18B Right	21.75	20.14	0.1033
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 16QAM Outer Full	21.63	20.02	0.1005
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 64QAM Edge 18B Left	20.82	19.21	0.0834
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 64QAM Edge 18B Right	20.78	19.17	0.0828
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 64QAM Outer Full	20.91	19.30	0.0851
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 256QAM Edge 18B Left	18.86	17.25	0.0531
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 256QAM Edge 18B Right	18.45	16.84	0.0483
	537000	10MHZ 15KHZ 537000 DFT-s-OFDM 256QAM Outer Full	18.77	17.16	0.0520
	537000	10MHZ 15KHZ 537000 CP-OFDM QPSK Inner Full	21.81	20.20	0.1047
	537000	10MHZ 15KHZ 537000 CP-OFDM QPSK Edge 18B Left	20.22	18.61	0.0726
	537000	10MHZ 15KHZ 537000 CP-OFDM QPSK Edge 18B Right	20.44	18.83	0.0764
	537000	10MHZ 15KHZ 537000 CP-OFDM QPSK Outer Full	20.57	18.96	0.0785
	537000	10MHZ 15KHZ 537000 CP-OFDM 16QAM Inner Full	21.28	19.67	0.0927
	537000	10MHZ 15KHZ 537000 CP-OFDM 16QAM Edge 18B Left	20.8	19.19	0.0830
	537000	10MHZ 15KHZ 537000 CP-OFDM 16QAM Edge 18B Right	20.31	18.70	0.0741
	537000	10MHZ 15KHZ 537000 CP-OFDM 16QAM Outer Full	20.35	18.74	0.0748
	537000	10MHZ 15KHZ 537000 CP-OFDM 64QAM Edge 18B Left	19.64	18.03	0.0635
	537000	10MHZ 15KHZ 537000 CP-OFDM 64QAM Edge 18B Right	19.7	18.09	0.0644
	537000	10MHZ 15KHZ 537000 CP-OFDM 64QAM Outer Full	19.86	18.25	0.0668
	537000	10MHZ 15KHZ 537000 CP-OFDM 256QAM Edge 18B Left	16.9	15.29	0.0338
	537000	10MHZ 15KHZ 537000 CP-OFDM 256QAM Edge 18B Right	16.81	15.20	0.0331
	537000	10MHZ 15KHZ 537000 CP-OFDM 256QAM Outer Full	16.75	15.14	0.0327

15MHZ	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (W)
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.66	22.05	0.1603
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.54	21.93	0.1560
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Inner Full	23.7	22.09	0.1618
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.68	22.15	0.1622
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Inner Full	23.76	22.15	0.1641
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Inner 1RB Right	23.67	22.06	0.1607
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Inner 1RB Left	23.47	21.86	0.1535
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Inner Full	23.77	22.16	0.1644
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Inner Full	23.77	22.16	0.1644
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Inner Full	23.76	22.15	0.1641
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Inner Full	23.84	22.23	0.1671
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.26	21.65	0.1462
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.49	21.88	0.1542
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Outer Full	23.42	21.81	0.1517
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Inner Full	23.78	22.17	0.1648
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.2	21.59	0.1442
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.38	21.77	0.1505
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM P1/2 BPSK Outer Full	23.43	21.82	0.1521
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Inner Full	23.82	22.21	0.1663
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Edge 1RB Left	22.77	21.16	0.1306
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Edge 1RB Right	23.1	21.49	0.1409
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM QPSK Outer Full	22.95	21.34	0.1361
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 16QAM Inner Full	22.98	21.37	0.1371
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 16QAM Edge 1RB Left	21.59	19.98	0.1995
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 16QAM Edge 1RB Right	22.05	20.44	0.1107
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 16QAM Outer Full	21.97	20.36	0.1086
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 64QAM Edge 1RB Left	21.61	20.00	0.1000
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 64QAM Edge 1RB Right	21.57	19.96	0.0991
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 64QAM Outer Full	21.43	19.82	0.0953
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 256QAM Edge 1RB Left	19.2	17.59	0.0574
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 256QAM Edge 1RB Right	19.58	17.97	0.0627
	52500	15MHZ 15KHZ 52500 DFT-s-OFDM 256QAM Outer Full	19.09	17.48	0.0560
	52500	CP-OFDM QPSK Inner Full	20.4	19.79	0.1159
	52500	CP-OFDM QPSK Edge 1RB Left	20.79	19.18	0.0828
	52500	CP-OFDM QPSK Edge 1RB Right	20.79	19.18	0.0828
	52500	CP-OFDM QPSK Outer Full	20.89	19.28	0.0847
	52500	CP-OFDM 16QAM Inner Full	21.94	20.30	0.1074
	52500	CP-OFDM 16QAM Edge 1RB Left	20.8	19.19	0.0830
	52500	CP-OFDM 16QAM Edge 1RB Right	20.78	19.17	0.0826
	52500	CP-OFDM 16QAM Outer Full	20.83	19.22	0.0836
	52500	CP-OFDM 64QAM Edge 1RB Left	20.82	19.22	0.0834
	52500	CP-OFDM 64QAM Edge 1RB Right	20.44	18.83	0.0764
	52500	CP-OFDM 64QAM Outer Full	20.34	18.73	0.0746
	52500	CP-OFDM 256QAM Edge 1RB Left	17.24	15.63	0.0366
	52500	CP-OFDM 256QAM Edge 1RB Right	17.32	15.71	0.0372
	52500	CP-OFDM 256QAM Outer Full	17.33	15.72	0.0373
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.5	21.89	0.1545
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.53	21.92	0.1556
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Inner Full	23.47	21.86	0.1535
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.57	21.96	0.1571
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Inner Full	23.55	21.94	0.1563
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Inner 1RB Right	23.49	21.88	0.1542
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Inner 1RB Left	23.23	21.62	0.1452
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Inner Full	23.49	21.71	0.1499
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Inner Full	23.18	21.57	0.1435
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Inner Full	23.25	21.64	0.1459
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Inner Full	23.56	21.95	0.1567
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.19	21.58	0.1439
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.15	21.54	0.1426
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Outer Full	23.11	21.50	0.1413
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Inner Full	23.57	21.96	0.1570
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.09	21.48	0.1429
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.11	21.50	0.1413
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM P1/2 BPSK Outer Full	23.14	21.53	0.1422
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Inner Full	23.4	21.79	0.1510
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Edge 1RB Left	22.92	21.02	0.1353
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Edge 1RB Right	22.57	20.96	0.1247
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM QPSK Outer Full	22.69	21.08	0.1282
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 16QAM Inner Full	22.45	20.84	0.1213
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 16QAM Edge 1RB Left	21.26	19.65	0.1051
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 16QAM Edge 1RB Right	21.68	20.07	0.1016
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 16QAM Outer Full	21.67	20.06	0.1014
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 64QAM Edge 1RB Left	21.46	19.85	0.0966
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 64QAM Edge 1RB Right	21.2	19.59	0.0921
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 64QAM Outer Full	21.09	19.48	0.0887
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 256QAM Edge 1RB Left	19.33	17.72	0.0592
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 256QAM Edge 1RB Right	19.3	17.69	0.0587
	53100	15MHZ 15KHZ 53100 DFT-s-OFDM 256QAM Outer Full	19.19	17.58	0.0573
	53100	15MHZ 15KHZ 53100 CP-OFDM QPSK Inner Full	21.87	20.26	0.1052
	53100	15MHZ 15KHZ 53100 CP-OFDM QPSK Edge 1RB Left	20.7	19.09	0.0811
	53100	15MHZ 15KHZ 53100 CP-OFDM QPSK Edge 1RB Right	20.74	19.13	0.0818
	53100	15MHZ 15KHZ 53100 CP-OFDM QPSK Outer Full	20.58	18.97	0.0789
	53100	15MHZ 15KHZ 53100 CP-OFDM 16QAM Inner Full	21.82	20.01	0.1011
	53100	15MHZ 15KHZ 53100 CP-OFDM 16QAM Edge 1RB Left	20.48	18.87	0.0771
	53100	15MHZ 15KHZ 53100 CP-OFDM 16QAM Edge 1RB Right	20.37	18.76	0.0752
	53100	15MHZ 15KHZ 53100 CP-OFDM 16QAM Outer Full	20.65	19.04	0.0802
	53100	15MHZ 15KHZ 53100 CP-OFDM 64QAM Edge 1RB Left	21.48	19.87	0.0974
	53100	15MHZ 15KHZ 53100 CP-OFDM 64QAM Edge 1RB Right	19.95	18.34	0.0682
	53100	15MHZ 15KHZ 53100 CP-OFDM 64QAM Outer Full	20.13	18.52	0.0711
	53100	15MHZ 15KHZ 53100 CP-OFDM 256QAM Edge 1RB Left	17.01	15.40	0.0347
	53100	15MHZ 15KHZ 53100 CP-OFDM 256QAM Edge 1RB Right	17.26	15.65	0.0363
	53100	15MHZ 15KHZ 53100 CP-OFDM 256QAM Outer Full	17.55	15.94	0.0393
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.26	21.65	0.1462
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.29	21.68	0.1472
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Inner Full	23.4	21.72	0.1486
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Inner Full	23.33	21.72	0.1486
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Inner Full	23.33	21.72	0.1486
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Inner 1RB Right	23.22	21.61	0.1449
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Inner 1RB Left	23.23	21.72	0.1486
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Inner Full	23.32	21.71	0.1483
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Inner Full	23.32	21.71	0.1483
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Inner Full	23.38	21.77	0.1503
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Inner Full	23.27	21.66	0.1466
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.03	21.42	0.1387
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23	21.39	0.1377
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Outer Full	23.01	21.40	0.1380
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Inner Full	23.39	21.78	0.1507
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Edge 1RB Left	22.99	21.38	0.1374
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Edge 1RB Right	22.96	21.35	0.1365
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM P1/2 BPSK Outer Full	22.94	21.33	0.1358
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Inner Full	23.36	21.75	0.1496
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Edge 1RB Left	22.38	20.77	0.1194
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Edge 1RB Right	22.32	20.71	0.1178
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM QPSK Outer Full	22.49	20.88	0.1225
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 16QAM Inner Full	22.56	20.95	0.1245
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 16QAM Edge 1RB Left	21.17	19.56	0.0901
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 16QAM Edge 1RB Right	21.42	19.81	0.0957
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 16QAM Outer Full	21.48	19.87	0.0971
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 64QAM Edge 1RB Left	20.65	19.04	0.0802
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 64QAM Edge 1RB Right	21.29	19.88	0.0929
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 64QAM Outer Full	21.01	19.40	0.0871
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 256QAM Edge 1RB Left	19.13	17.52	0.0565
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 256QAM Edge 1RB Right	18.9	17.29	0.0536
	53650	15MHZ 15KHZ 53650 DFT-s-OFDM 256QAM Outer Full	18.95	17.34	0.0542
	53650	15MHZ 15KHZ 53650 CP-OFDM QPSK Inner Full	21.85	20.34	0.1081
	53650	15MHZ 15KHZ 53650 CP-OFDM QPSK Edge 1RB Left	20.41	18.80	0.0759
	53650	15MHZ 15KHZ 53650 CP-OFDM QPSK Edge 1RB Right	20.53	18.92	0.0780
	53650	15MHZ 15KHZ 53650 CP-OFDM QPSK Outer Full	20.47	18.86	0.0769
	53650	15MHZ 15KHZ 53650 CP-OFDM 16QAM Inner Full	21.45	19.84	0.0964
	53650	15MHZ 15KHZ 53650 CP-OFDM 16QAM Edge 1RB Left	20.74	19.13	0.0818
	53650	15MHZ 15KHZ 53650 CP-OFDM 16QAM Edge 1RB Right	20.43	18.82	0.0762
	53650	15MHZ 15KHZ 53650 CP-OFDM 16QAM Outer Full	20.41	18.80	0.0759
	53650	15MHZ 15KHZ 53650 CP-OFDM 64QAM Edge 1RB Left	20.04	18.43	0.0727
	53650	15MHZ 15KHZ 53650 CP-OFDM 64QAM Edge 1RB Right	19.79	18.18	0.0658
	53650	15MHZ 15KHZ 53650 CP-OFDM 64QAM Outer Full	20	18.39	0.0690
	53650	15MHZ 15KHZ 53650 CP-OFDM 256QAM Edge 1RB Left	16.8	15.19	0.0330
	53650	15MHZ 15KHZ 53650 CP-OFDM 256QAM Edge 1RB Right	17.07	15.46	0.0352
	53650	15MHZ 15KHZ 53650 CP-OFDM 256QAM Outer Full	16.96	15.35	0.0343

20MHz	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (W)
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Inner 18B Right	23.61	22.00	0.1585
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Inner 18B Left	23.44	21.83	0.1524
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Inner Full	23.75	22.14	0.1637
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Edge 18B Left	23.94	22.29	0.1671
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Inner Full	23.79	22.18	0.1652
	526000	20MHz 15KHz 526000 IFT-s-OFDM QPSK Inner 18B Right	23.73	22.12	0.1629
	526000	20MHz 15KHz 526000 IFT-s-OFDM QPSK Inner 18B Left	23.46	21.85	0.1531
	526000	20MHz 15KHz 526000 IFT-s-OFDM QPSK Inner Full	23.84	22.23	0.1671
	526000	20MHz 15KHz 526000 IFT-s-OFDM QPSK Inner Full	23.91	22.30	0.1698
	526000	20MHz 15KHz 526000 IFT-s-OFDM QPSK Inner Full	23.89	22.28	0.1690
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Inner Full	23.73	22.12	0.1629
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Edge 18B Left	23.07	21.46	0.1490
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Edge 18B Right	23.34	21.73	0.1489
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Outer Full	23.44	21.83	0.1524
	526000	20MHz 15KHz 526000 IFT-s-OFDM P1/2 BPSK Inner Full	23.89	22.28	0.1690
	526000	20MHz 15KHz 526000 IFT-s-OFDM QPSK Edge 18B Left	22.79	21.18	0.1312
	526000	20MHz 15KHz 526000 IFT-s-OFDM QPSK Edge 18B Right	22.83	21.22	0.1324
	526000	20MHz 15KHz 526000 IFT-s-OFDM QPSK Outer Full	22.92	21.31	0.1352
	526000	20MHz 15KHz 526000 IFT-s-OFDM 16QAM Inner Full	22.91	21.30	0.1349
	526000	20MHz 15KHz 526000 IFT-s-OFDM 16QAM Edge 18B Left	22.06	20.45	0.1109
	526000	20MHz 15KHz 526000 IFT-s-OFDM 16QAM Edge 18B Right	21.53	19.92	0.0982
	526000	20MHz 15KHz 526000 IFT-s-OFDM 16QAM Outer Full	21.99	20.38	0.1091
	526000	20MHz 15KHz 526000 IFT-s-OFDM 64QAM Edge 18B Left	21.17	19.56	0.0904
	526000	20MHz 15KHz 526000 IFT-s-OFDM 64QAM Edge 18B Right	21.63	20.02	0.1005
	526000	20MHz 15KHz 526000 IFT-s-OFDM 64QAM Outer Full	21.43	19.82	0.0980
	526000	20MHz 15KHz 526000 IFT-s-OFDM 256QAM Edge 18B Left	19.42	17.81	0.0604
	526000	20MHz 15KHz 526000 IFT-s-OFDM 256QAM Edge 18B Right	19.82	18.21	0.0662
	526000	20MHz 15KHz 526000 IFT-s-OFDM 256QAM Outer Full	19.35	17.74	0.0594
	526000	20MHz 15KHz 526000 CP-OFDM QPSK Inner Full	20.74	20.14	0.1326
	526000	20MHz 15KHz 526000 CP-OFDM QPSK Edge 18B Left	20.71	19.10	0.0813
	526000	20MHz 15KHz 526000 CP-OFDM QPSK Edge 18B Right	21.43	19.82	0.0959
	526000	20MHz 15KHz 526000 CP-OFDM QPSK Outer Full	20.78	19.17	0.0826
	526000	20MHz 15KHz 526000 CP-OFDM 16QAM Inner Full	21.82	20.22	0.1052
	526000	20MHz 15KHz 526000 CP-OFDM 16QAM Edge 18B Left	20.97	19.36	0.0853
	526000	20MHz 15KHz 526000 CP-OFDM 16QAM Edge 18B Right	20.85	19.24	0.0839
	526000	20MHz 15KHz 526000 CP-OFDM 16QAM Outer Full	20.84	19.23	0.0838
	526000	20MHz 15KHz 526000 CP-OFDM 64QAM Edge 18B Left	17.19	15.14	0.0411
	526000	20MHz 15KHz 526000 CP-OFDM 64QAM Edge 18B Right	20.22	18.61	0.0726
	526000	20MHz 15KHz 526000 CP-OFDM 64QAM Outer Full	20.33	18.72	0.0745
	526000	20MHz 15KHz 526000 CP-OFDM 256QAM Edge 18B Left	17.2	15.59	0.0362
	526000	20MHz 15KHz 526000 CP-OFDM 256QAM Edge 18B Right	17.15	15.54	0.0357
	526000	20MHz 15KHz 526000 CP-OFDM 256QAM Outer Full	17.27	15.66	0.0368
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Inner 18B Right	23.39	21.78	0.1507
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Inner 18B Left	23.63	22.02	0.1592
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Inner Full	23.54	21.93	0.1560
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Edge 18B Left	23.53	21.92	0.1558
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Inner Full	23.38	21.77	0.1503
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Inner 18B Right	23.5	21.89	0.1545
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Inner 18B Left	23	21.39	0.1377
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Inner Full	23.4	21.79	0.1507
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Inner Full	23.39	21.78	0.1507
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Inner Full	23.27	21.66	0.1466
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Inner Full	23.52	21.91	0.1552
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Edge 18B Left	22.72	21.18	0.1326
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Edge 18B Right	22.74	21.13	0.1297
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Outer Full	23.1	21.49	0.1409
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Inner Full	23.67	22.06	0.1607
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Edge 18B Left	22.56	20.95	0.1312
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Edge 18B Right	23.03	21.42	0.1387
	531000	20MHz 15KHz 531000 IFT-s-OFDM P1/2 BPSK Outer Full	23.15	21.54	0.1426
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Inner Full	23.6	21.99	0.1581
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Edge 18B Left	22.74	21.13	0.1297
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Edge 18B Right	22.55	20.94	0.1242
	531000	20MHz 15KHz 531000 IFT-s-OFDM QPSK Outer Full	22.74	21.13	0.1297
	531000	20MHz 15KHz 531000 IFT-s-OFDM 16QAM Inner Full	22.44	20.83	0.1211
	531000	20MHz 15KHz 531000 IFT-s-OFDM 16QAM Edge 18B Left	21.7	20.06	0.0917
	531000	20MHz 15KHz 531000 IFT-s-OFDM 16QAM Edge 18B Right	21.87	20.26	0.1052
	531000	20MHz 15KHz 531000 IFT-s-OFDM 16QAM Outer Full	21.39	19.78	0.0951
	531000	20MHz 15KHz 531000 IFT-s-OFDM 64QAM Edge 18B Left	21.16	19.55	0.0902
	531000	20MHz 15KHz 531000 IFT-s-OFDM 64QAM Edge 18B Right	20.77	19.16	0.0857
	531000	20MHz 15KHz 531000 IFT-s-OFDM 64QAM Outer Full	21.42	19.81	0.0957
	531000	20MHz 15KHz 531000 IFT-s-OFDM 256QAM Edge 18B Left	19.55	17.94	0.0622
	531000	20MHz 15KHz 531000 IFT-s-OFDM 256QAM Edge 18B Right	18.94	17.33	0.0541
	531000	20MHz 15KHz 531000 IFT-s-OFDM 256QAM Outer Full	19.14	17.53	0.0566
	531000	20MHz 15KHz 531000 CP-OFDM QPSK Inner Full	21.7	20.09	0.1021
	531000	20MHz 15KHz 531000 CP-OFDM QPSK Edge 18B Left	20.6	18.99	0.0793
	531000	20MHz 15KHz 531000 CP-OFDM QPSK Edge 18B Right	20.6	18.99	0.0793
	531000	20MHz 15KHz 531000 CP-OFDM QPSK Outer Full	20.64	19.03	0.0800
	531000	20MHz 15KHz 531000 CP-OFDM 16QAM Inner Full	21.53	19.92	0.1089
	531000	20MHz 15KHz 531000 CP-OFDM 16QAM Edge 18B Left	20.38	18.77	0.0753
	531000	20MHz 15KHz 531000 CP-OFDM 16QAM Edge 18B Right	20.68	19.07	0.0807
	531000	20MHz 15KHz 531000 CP-OFDM 16QAM Outer Full	20.6	18.99	0.0793
	531000	20MHz 15KHz 531000 CP-OFDM 64QAM Edge 18B Left	20.39	18.78	0.0769
	531000	20MHz 15KHz 531000 CP-OFDM 64QAM Edge 18B Right	19.85	18.24	0.0667
	531000	20MHz 15KHz 531000 CP-OFDM 64QAM Outer Full	20.11	18.50	0.0708
	531000	20MHz 15KHz 531000 CP-OFDM 256QAM Edge 18B Left	17.49	15.88	0.0387
	531000	20MHz 15KHz 531000 CP-OFDM 256QAM Edge 18B Right	17.09	15.48	0.0361
	531000	20MHz 15KHz 531000 CP-OFDM 256QAM Outer Full	17.06	15.45	0.0351
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Inner 18B Right	23.23	21.62	0.1452
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Inner 18B Left	23.22	21.61	0.1449
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Inner Full	23.22	21.65	0.1450
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Edge 18B Left	23.27	21.66	0.1466
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Inner Full	23.26	21.65	0.1462
	536000	20MHz 15KHz 536000 IFT-s-OFDM QPSK Inner 18B Right	23.25	21.64	0.1459
	536000	20MHz 15KHz 536000 IFT-s-OFDM QPSK Inner 18B Left	23.25	21.64	0.1459
	536000	20MHz 15KHz 536000 IFT-s-OFDM QPSK Inner Full	23.39	21.78	0.1507
	536000	20MHz 15KHz 536000 IFT-s-OFDM QPSK Inner Full	23.36	21.75	0.1496
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Inner Full	23.34	21.74	0.1493
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Edge 18B Left	22.83	21.24	0.1330
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Edge 18B Right	22.95	21.34	0.1361
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Outer Full	22.91	21.30	0.1349
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Inner Full	23.36	21.75	0.1496
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Edge 18B Left	22.88	21.27	0.1340
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Edge 18B Right	22.83	21.22	0.1324
	536000	20MHz 15KHz 536000 IFT-s-OFDM P1/2 BPSK Outer Full	22.95	21.34	0.1361
	536000	20MHz 15KHz 536000 IFT-s-OFDM QPSK Inner Full	23.28	21.67	0.1469
	536000	20MHz 15KHz 536000 IFT-s-OFDM QPSK Edge 18B Left	22.44	20.83	0.1211
	536000	20MHz 15KHz 536000 IFT-s-OFDM QPSK Edge 18B Right	22.47	20.86	0.1219
	536000	20MHz 15KHz 536000 IFT-s-OFDM QPSK Outer Full	22.52	20.91	0.1233
	536000	20MHz 15KHz 536000 IFT-s-OFDM 16QAM Inner Full	22.48	20.87	0.1222
	536000	20MHz 15KHz 536000 IFT-s-OFDM 16QAM Edge 18B Left	21.12	19.32	0.0855
	536000	20MHz 15KHz 536000 IFT-s-OFDM 16QAM Edge 18B Right	21.34	19.73	0.0940
	536000	20MHz 15KHz 536000 IFT-s-OFDM 16QAM Outer Full	21.47	19.86	0.0968
	536000	20MHz 15KHz 536000 IFT-s-OFDM 64QAM Edge 18B Left	20.77	19.16	0.0824
	536000	20MHz 15KHz 536000 IFT-s-OFDM 64QAM Edge 18B Right	21.26	19.65	0.0923
	536000	20MHz 15KHz 536000 IFT-s-OFDM 64QAM Outer Full	21.05	19.44	0.0879
	536000	20MHz 15KHz 536000 IFT-s-OFDM 256QAM Edge 18B Left	19.51	17.90	0.0617
	536000	20MHz 15KHz 536000 IFT-s-OFDM 256QAM Edge 18B Right	19.06	17.45	0.0556
	536000	20MHz 15KHz 536000 IFT-s-OFDM 256QAM Outer Full	18.99	17.38	0.0547
	536000	20MHz 15KHz 536000 CP-OFDM QPSK Inner Full	21.91	20.30	0.1072
	536000	20MHz 15KHz 536000 CP-OFDM QPSK Edge 18B Left	20.21	18.60	0.0724
	536000	20MHz 15KHz 536000 CP-OFDM QPSK Edge 18B Right	20.65	19.04	0.0802
	536000	20MHz 15KHz 536000 CP-OFDM QPSK Outer Full	20.48	18.87	0.0771
	536000	20MHz 15KHz 536000 CP-OFDM 16QAM Inner Full	21.42	19.81	0.0957
	536000	20MHz 15KHz 536000 CP-OFDM 16QAM Edge 18B Left	20.77	19.16	0.0824
	536000	20MHz 15KHz 536000 CP-OFDM 16QAM Edge 18B Right	20.61	19.00	0.0794
	536000	20MHz 15KHz 536000 CP-OFDM 16QAM Outer Full	20.44	18.83	0.0764
	536000	20MHz 15KHz 536000 CP-OFDM 64QAM Edge 18B Left	20.19	18.58	0.0721
	536000	20MHz 15KHz 536000 CP-OFDM 64QAM Edge 18B Right	19.93	18.32	0.0679
	536000	20MHz 15KHz 536000 CP-OFDM 64QAM Outer Full	19.92	18.31	0.0678
	536000	20MHz 15KHz 536000 CP-OFDM 256QAM Edge 18B Left	16.58	14.97	0.0314
	536000	20MHz 15KHz 536000 CP-OFDM 256QAM Edge 18B Right	17.1	15.49	0.0354
	536000	20MHz 15KHz 536000 CP-OFDM 256QAM Outer Full	16.95	15.34	0.0342

LTE NR	7	MeasuredValue	-1.75	dBm	
5MHZ	Channel	EN-DC Maximum Average Power	23.85	dBm	
	Channel	TestItem	MeasuredValue	ERP power (dbm)	EIRP power (W)
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.55	13.76	0.0238
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.77	13.98	0.0250
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Inner Full	23.64	13.85	0.0243
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Inner Full	23.66	13.87	0.0244
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Inner Full	23.5	13.81	0.0240
174300	5MHZ 15KHZ 174300	DFT-s-OFDM QPSK Inner 1RB Right	23.68	13.81	0.0240
174300	5MHZ 15KHZ 174300	DFT-s-OFDM QPSK Inner 1RB Left	23.68	13.89	0.0245
174300	5MHZ 15KHZ 174300	DFT-s-OFDM QPSK Inner Full	23.73	13.94	0.0248
174300	5MHZ 15KHZ 174300	DFT-s-OFDM QPSK Inner Full	23.66	13.87	0.0244
174300	5MHZ 15KHZ 174300	DFT-s-OFDM QPSK Inner Full	23.74	13.95	0.0248
174300	5MHZ 15KHZ 174300	DFT-s-OFDM QPSK Inner Full	23.61	13.82	0.0241
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.38	13.59	0.0229
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.17	13.38	0.0218
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.34	13.55	0.0226
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.69	13.90	0.0245
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.38	13.59	0.0229
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.17	13.38	0.0218
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.34	13.55	0.0226
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.69	13.90	0.0245
174300	5MHZ 15KHZ 174300	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.03	13.24	0.0211
174300	5MHZ 15KHZ 174300	DFT-s-OFDM QPSK Edge 1RB Right	22.85	13.01	0.0203
174300	5MHZ 15KHZ 174300	DFT-s-OFDM QPSK Outer Full	22.8	13.00	0.0200
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 16QAM Inner Full	22.87	13.08	0.0203
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 16QAM Inner Left	21.91	12.12	0.0163
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 16QAM Edge 1RB Right	21.67	11.88	0.0154
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 16QAM Outer Full	21.89	12.10	0.0162
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 64QAM Edge 1RB Left	21.55	11.76	0.0150
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 64QAM Edge 1RB Right	20.99	11.20	0.0132
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 64QAM Outer Full	21.35	11.56	0.0143
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 256QAM Edge 1RB Left	19.48	9.69	0.0098
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 256QAM Edge 1RB Right	19.07	9.28	0.0085
174300	5MHZ 15KHZ 174300	DFT-s-OFDM 256QAM Outer Full	19.28	9.49	0.0089
174300	5MHZ 15KHZ 174300	CP-OFDM QPSK Inner Full	22.27	12.48	0.0177
174300	5MHZ 15KHZ 174300	CP-OFDM QPSK Edge 1RB Left	20.93	11.14	0.0130
174300	5MHZ 15KHZ 174300	CP-OFDM QPSK Edge 1RB Right	20.75	10.96	0.0125
174300	5MHZ 15KHZ 174300	CP-OFDM QPSK Outer Full	20.8	11.01	0.0126
174300	5MHZ 15KHZ 174300	CP-OFDM 16QAM Inner Full	21.82	12.03	0.0160
174300	5MHZ 15KHZ 174300	CP-OFDM 16QAM Inner Left	21.03	11.24	0.0133
174300	5MHZ 15KHZ 174300	CP-OFDM 16QAM Edge 1RB Right	20.77	10.98	0.0125
174300	5MHZ 15KHZ 174300	CP-OFDM 16QAM Outer Full	20.81	11.02	0.0126
174300	5MHZ 15KHZ 174300	CP-OFDM 64QAM Edge 1RB Left	20.56	10.77	0.0119
174300	5MHZ 15KHZ 174300	CP-OFDM 64QAM Edge 1RB Right	20.34	10.55	0.0114
174300	5MHZ 15KHZ 174300	CP-OFDM 64QAM Outer Full	20.32	10.53	0.0113
174300	5MHZ 15KHZ 174300	CP-OFDM 256QAM Edge 1RB Left	17.66	7.87	0.0061
174300	5MHZ 15KHZ 174300	CP-OFDM 256QAM Edge 1RB Right	17.4	7.81	0.0058
174300	5MHZ 15KHZ 174300	CP-OFDM 256QAM Outer Full	17.33	7.54	0.0057
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.41	13.62	0.0230
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.56	13.77	0.0238
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Inner Full	23.52	13.73	0.0236
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Inner Full	23.53	13.74	0.0237
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Inner Full	23.55	13.76	0.0238
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Inner 1RB Right	23.42	13.63	0.0231
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Inner 1RB Left	23.51	13.72	0.0236
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Inner Full	23.53	13.74	0.0237
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Inner Full	23.58	13.79	0.0239
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Inner Full	23.55	13.76	0.0238
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.6	13.81	0.0240
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.08	13.29	0.0213
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.05	13.26	0.0212
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.15	13.40	0.0215
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Inner Full	23.58	13.79	0.0239
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.2	13.41	0.0219
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	23.1	13.31	0.0214
176300	5MHZ 15KHZ 176300	DFT-s-OFDM P1/2 BPSK Outer Full	23.12	13.33	0.0215
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Inner Full	23.65	13.86	0.0241
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Edge 1RB Left	22.68	12.89	0.0195
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Edge 1RB Right	22.65	12.86	0.0193
176300	5MHZ 15KHZ 176300	DFT-s-OFDM QPSK Outer Full	22.56	12.77	0.0189
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 16QAM Inner Full	22.55	12.76	0.0189
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 16QAM Edge 1RB Left	21.8	12.01	0.0159
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 16QAM Edge 1RB Right	21.25	11.46	0.0140
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 16QAM Outer Full	21.56	11.77	0.0150
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 64QAM Edge 1RB Left	21.31	11.52	0.0142
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 64QAM Edge 1RB Right	21.33	11.54	0.0143
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 64QAM Outer Full	21.08	11.27	0.0139
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 256QAM Edge 1RB Left	19.46	9.67	0.0093
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 256QAM Edge 1RB Right	19.34	9.55	0.0090
176300	5MHZ 15KHZ 176300	DFT-s-OFDM 256QAM Outer Full	19.2	9.41	0.0087
176300	5MHZ 15KHZ 176300	CP-OFDM QPSK Inner Full	22.08	12.29	0.0169
176300	5MHZ 15KHZ 176300	CP-OFDM QPSK Edge 1RB Left	20.43	10.64	0.0116
176300	5MHZ 15KHZ 176300	CP-OFDM QPSK Edge 1RB Right	20.51	10.72	0.0118
176300	5MHZ 15KHZ 176300	CP-OFDM QPSK Outer Full	20.73	10.94	0.0124
176300	5MHZ 15KHZ 176300	CP-OFDM 16QAM Inner Full	21.69	11.90	0.0155
176300	5MHZ 15KHZ 176300	CP-OFDM 16QAM Inner Left	20.89	11.10	0.0129
176300	5MHZ 15KHZ 176300	CP-OFDM 16QAM Edge 1RB Right	20.57	10.78	0.0120
176300	5MHZ 15KHZ 176300	CP-OFDM 16QAM Outer Full	20.47	10.68	0.0117
176300	5MHZ 15KHZ 176300	CP-OFDM 64QAM Edge 1RB Left	20.19	10.40	0.0110
176300	5MHZ 15KHZ 176300	CP-OFDM 64QAM Edge 1RB Right	20.25	10.46	0.0111
176300	5MHZ 15KHZ 176300	CP-OFDM 64QAM Outer Full	20.06	10.27	0.0106
176300	5MHZ 15KHZ 176300	CP-OFDM 256QAM Edge 1RB Left	17.31	7.82	0.0056
176300	5MHZ 15KHZ 176300	CP-OFDM 256QAM Edge 1RB Right	17.11	7.32	0.0054
176300	5MHZ 15KHZ 176300	CP-OFDM 256QAM Outer Full	17.09	7.30	0.0054
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Inner 1RB Right	23.34	13.55	0.0226
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Inner 1RB Left	23.43	13.64	0.0231
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Inner Full	23.53	13.73	0.0235
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Inner Full	23.32	13.53	0.0225
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Inner Full	23.35	13.56	0.0227
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Inner 1RB Right	23.32	13.53	0.0225
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Inner 1RB Left	23.32	13.52	0.0225
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Inner Full	23.39	13.60	0.0229
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Inner Full	23.42	13.63	0.0231
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Inner Full	23.4	13.61	0.0230
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Inner Full	23.38	13.59	0.0229
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	22.98	13.19	0.0208
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	22.89	13.10	0.0204
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Outer Full	22.97	13.18	0.0208
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Inner Full	23.39	13.60	0.0229
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Edge 1RB Left	23.06	13.27	0.0212
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Edge 1RB Right	22.83	13.04	0.0201
177800	5MHZ 15KHZ 177800	DFT-s-OFDM P1/2 BPSK Outer Full	23.06	13.27	0.0212
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Inner Full	23.37	13.58	0.0228
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Edge 1RB Left	22.64	12.85	0.0193
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Edge 1RB Right	22.39	12.60	0.0182
177800	5MHZ 15KHZ 177800	DFT-s-OFDM QPSK Outer Full	22.52	12.73	0.0187
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 16QAM Inner Full	22.2	12.73	0.0187
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 16QAM Edge 1RB Left	21.39	11.60	0.0145
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 16QAM Edge 1RB Right	21.41	11.62	0.0145
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 16QAM Outer Full	21.53	11.74	0.0149
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 64QAM Edge 1RB Left	20.54	10.75	0.0119
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 64QAM Edge 1RB Right	20.85	11.06	0.0128
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 64QAM Outer Full	20.96	11.17	0.0131
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 256QAM Edge 1RB Left	19.39	9.60	0.0091
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 256QAM Edge 1RB Right	18.78	8.99	0.0079
177800	5MHZ 15KHZ 177800	DFT-s-OFDM 256QAM Outer Full	19.07	9.28	0.0085
177800	5MHZ 15KHZ 177800	CP-OFDM QPSK Inner Full	22.11	12.32	0.0171
177800	5MHZ 15KHZ 177800	CP-OFDM QPSK Edge 1RB Left	20.68	10.89	0.0123
177800	5MHZ 15KHZ 177800	CP-OFDM QPSK Edge 1RB Right	20.43	10.64	0.0116
177800	5MHZ 15KHZ 177800	CP-OFDM QPSK Outer Full	20.54	10.75	0.0119
177800	5MHZ 15KHZ 177800	CP-OFDM 16QAM Inner Full	21.39	11.60	0.0145
177800	5MHZ 15KHZ 177800	CP-OFDM 16QAM Edge 1RB Left	20.96	11.17	0.0131
177800	5MHZ 15KHZ 177800	CP-OFDM 16QAM Edge 1RB Right	20.37	10.58	0.0114
177800	5MHZ 15KHZ 177800	CP-OFDM 16QAM Outer Full	20.44	10.65	0.0116
177800	5MHZ 15KHZ 177800	CP-OFDM 64QAM Edge 1RB Left	20.27	10.48	0.0112
177800	5MHZ 15KHZ 177800	CP-OFDM 64QAM Edge 1RB Right	20.12	10.33	0.0108
177800	5MHZ 15KHZ 177800	CP-OFDM 64QAM Outer Full	20.07	10.28	0.0107
177800	5MHZ 15KHZ 177800	CP-OFDM 256QAM Edge 1RB Left	17.01	7.22	0.0053
177800	5MHZ 15KHZ 177800	CP-OFDM 256QAM Edge 1RB Right	17.06	7.27	0.0053
177800	5MHZ 15KHZ 177800	CP-OFDM 256QAM Outer Full	17	7.21	0.0053

10MHZ	Channel	TestItem	MeasuredValue	ERP power (dbm)	ERP power (W)
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.44	13.65	0.0232
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.67	13.88	0.0244
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Inner Full	23.63	13.84	0.0242
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Inner Full	23.7	13.91	0.0246
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Inner Full	23.63	13.84	0.0242
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Inner 1RB Right	22.66	12.87	0.0194
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Inner 1RB Left	23.65	13.86	0.0243
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Inner Full	23.75	13.96	0.0249
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Inner Full	23.73	13.94	0.0248
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Inner Full	23.72	13.93	0.0247
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Inner Full	23.3	13.82	0.0241
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.23	13.44	0.0221
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.02	13.23	0.0210
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Outer Full	23.28	13.49	0.0223
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Inner Full	23.65	13.86	0.0243
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Edge 1RB Left	22.19	13.40	0.0219
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.81	13.02	0.0200
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM FI/2 BPSK Outer Full	23.27	13.48	0.0223
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Inner Full	23.64	13.85	0.0243
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Edge 1RB Left	22.69	12.90	0.0195
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Edge 1RB Right	21.3	11.51	0.0142
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM QPSK Outer Full	22.77	12.98	0.0199
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 16QAM Inner Full	22.77	12.98	0.0199
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 16QAM Edge 1RB Left	21.8	12.01	0.0159
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 16QAM Edge 1RB Right	20.64	10.85	0.0142
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 16QAM Outer Full	21.73	11.94	0.0156
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 64QAM Edge 1RB Left	21.34	11.55	0.0143
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 64QAM Edge 1RB Right	20.13	10.34	0.0108
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 64QAM Outer Full	21.3	11.51	0.0142
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 256QAM Edge 1RB Left	19.2	9.41	0.0087
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 256QAM Edge 1RB Right	18.96	9.17	0.0083
	174800	10MHZ 15KHZ 174800 DFT-s-OFDM 256QAM Outer Full	19.28	9.49	0.0089
	174800	10MHZ 15KHZ 174800 CP-OFDM QPSK Inner Full	22.26	12.47	0.0177
	174800	10MHZ 15KHZ 174800 CP-OFDM QPSK Edge 1RB Left	20.72	10.93	0.0124
	174800	10MHZ 15KHZ 174800 CP-OFDM QPSK Edge 1RB Right	20.39	10.69	0.0115
	174800	10MHZ 15KHZ 174800 CP-OFDM QPSK Outer Full	20.73	10.94	0.0124
	174800	10MHZ 15KHZ 174800 CP-OFDM 16QAM Inner Full	21.83	12.04	0.0160
	174800	10MHZ 15KHZ 174800 CP-OFDM 16QAM Edge 1RB Left	20.78	10.99	0.0126
	174800	10MHZ 15KHZ 174800 CP-OFDM 16QAM Edge 1RB Right	19.99	10.20	0.0105
	174800	10MHZ 15KHZ 174800 CP-OFDM 16QAM Outer Full	20.76	10.97	0.0125
	174800	10MHZ 15KHZ 174800 CP-OFDM 64QAM Edge 1RB Left	20.75	10.96	0.0125
	174800	10MHZ 15KHZ 174800 CP-OFDM 64QAM Edge 1RB Right	20.06	10.27	0.0106
	174800	10MHZ 15KHZ 174800 CP-OFDM 64QAM Outer Full	20.3	10.51	0.0112
	174800	10MHZ 15KHZ 174800 CP-OFDM 256QAM Edge 1RB Left	17.38	7.99	0.0057
	174800	10MHZ 15KHZ 174800 CP-OFDM 256QAM Edge 1RB Right	17.16	7.87	0.0055
	174800	10MHZ 15KHZ 174800 CP-OFDM 256QAM Outer Full	17.26	7.47	0.0056
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.39	13.60	0.0229
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.5	13.71	0.0235
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.53	13.74	0.0237
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.52	13.73	0.0236
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.54	13.75	0.0237
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner 1RB Right	23.34	13.55	0.0226
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner 1RB Left	23.52	13.73	0.0236
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.5	13.71	0.0235
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.53	13.74	0.0236
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.48	13.69	0.0234
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.54	13.75	0.0237
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.1	13.31	0.0214
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.09	13.30	0.0214
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Outer Full	23.08	13.29	0.0213
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.44	13.65	0.0232
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.09	13.30	0.0214
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.08	13.29	0.0213
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Outer Full	23.15	13.36	0.0217
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.52	13.73	0.0236
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Edge 1RB Left	22.57	12.78	0.0190
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Edge 1RB Right	22.64	12.85	0.0193
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM QPSK Outer Full	22.62	12.83	0.0192
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Inner Full	22.61	12.82	0.0191
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Edge 1RB Left	21.51	11.72	0.0149
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Edge 1RB Right	21.44	11.65	0.0146
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Outer Full	21.62	11.83	0.0152
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Edge 1RB Left	21.09	11.30	0.0135
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Edge 1RB Right	21.21	11.42	0.0139
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Outer Full	21.17	11.38	0.0137
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Edge 1RB Left	19.16	9.37	0.0086
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Edge 1RB Right	19.32	9.53	0.0090
	176300	10MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Outer Full	19.05	9.26	0.0084
	176300	10MHZ 15KHZ 176300 CP-OFDM QPSK Inner Full	22.17	12.38	0.0173
	176300	10MHZ 15KHZ 176300 CP-OFDM QPSK Edge 1RB Left	20.55	10.76	0.0119
	176300	10MHZ 15KHZ 176300 CP-OFDM QPSK Edge 1RB Right	20.5	10.71	0.0118
	176300	10MHZ 15KHZ 176300 CP-OFDM QPSK Outer Full	20.54	10.75	0.0119
	176300	10MHZ 15KHZ 176300 CP-OFDM 16QAM Inner Full	21.72	11.93	0.0156
	176300	10MHZ 15KHZ 176300 CP-OFDM 16QAM Edge 1RB Left	20.74	10.95	0.0124
	176300	10MHZ 15KHZ 176300 CP-OFDM 16QAM Edge 1RB Right	20.42	10.63	0.0116
	176300	10MHZ 15KHZ 176300 CP-OFDM 16QAM Outer Full	20.54	10.75	0.0119
	176300	10MHZ 15KHZ 176300 CP-OFDM 64QAM Edge 1RB Left	19.94	10.15	0.0104
	176300	10MHZ 15KHZ 176300 CP-OFDM 64QAM Edge 1RB Right	19.93	10.14	0.0103
	176300	10MHZ 15KHZ 176300 CP-OFDM 64QAM Outer Full	20.09	10.30	0.0107
	176300	10MHZ 15KHZ 176300 CP-OFDM 256QAM Edge 1RB Left	16.86	7.07	0.0051
	176300	10MHZ 15KHZ 176300 CP-OFDM 256QAM Edge 1RB Right	17.62	7.83	0.0061
	176300	10MHZ 15KHZ 176300 CP-OFDM 256QAM Outer Full	17.14	7.35	0.0054
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.23	13.44	0.0221
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.24	13.45	0.0221
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Inner Full	23.49	13.70	0.0234
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Inner Full	23.4	13.61	0.0230
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Inner Full	23.45	13.66	0.0232
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Inner 1RB Right	23.29	13.50	0.0224
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Inner 1RB Left	23.37	13.58	0.0228
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Inner Full	23.48	13.69	0.0234
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Inner Full	23.45	13.66	0.0232
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Inner Full	23.49	13.70	0.0234
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Inner Full	23.42	13.63	0.0231
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	22.94	13.15	0.0207
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.79	13.00	0.0200
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Outer Full	23.07	13.28	0.0213
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Inner Full	23.41	13.62	0.0230
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23	13.21	0.0209
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.84	13.05	0.0202
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM FI/2 BPSK Outer Full	23.01	13.22	0.0210
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Inner Full	23.48	13.69	0.0234
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Edge 1RB Left	22.49	12.70	0.0186
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Edge 1RB Right	22.53	12.74	0.0188
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM QPSK Outer Full	22.57	12.78	0.0190
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 16QAM Inner Full	22.56	12.77	0.0189
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 16QAM Edge 1RB Left	21.42	11.63	0.0146
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 16QAM Edge 1RB Right	21.43	11.64	0.0146
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 16QAM Outer Full	21.59	11.80	0.0151
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 64QAM Edge 1RB Left	21.27	11.48	0.0141
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 64QAM Edge 1RB Right	21.28	11.49	0.0141
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 64QAM Outer Full	21.17	11.38	0.0137
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 256QAM Edge 1RB Left	19.18	9.39	0.0087
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 256QAM Edge 1RB Right	18.94	9.15	0.0082
	177800	10MHZ 15KHZ 177800 DFT-s-OFDM 256QAM Outer Full	19	9.21	0.0083
	177800	10MHZ 15KHZ 177800 CP-OFDM QPSK Inner Full	22.11	12.32	0.0171
	177800	10MHZ 15KHZ 177800 CP-OFDM QPSK Edge 1RB Left	20.52	10.73	0.0118
	177800	10MHZ 15KHZ 177800 CP-OFDM QPSK Edge 1RB Right	20.51	10.72	0.0118
	177800	10MHZ 15KHZ 177800 CP-OFDM QPSK Outer Full	20.58	10.79	0.0120
	177800	10MHZ 15KHZ 177800 CP-OFDM 16QAM Inner Full	21.51	11.72	0.0149
	177800	10MHZ 15KHZ 177800 CP-OFDM 16QAM Edge 1RB Left	20.58	10.79	0.0120
	177800	10MHZ 15KHZ 177800 CP-OFDM 16QAM Edge 1RB Right	20.39	10.60	0.0115
	177800	10MHZ 15KHZ 177800 CP-OFDM 16QAM Outer Full	20.56	10.77	0.0119
	177800	10MHZ 15KHZ 177800 CP-OFDM 64QAM Edge 1RB Left	16.73	7.03	0.0051
	177800	10MHZ 15KHZ 177800 CP-OFDM 64QAM Edge 1RB Right	16.93	7.14	0.0052
	177800	10MHZ 15KHZ 177800 CP-OFDM 64QAM Outer Full	17.09	7.30	0.0054
	177800	10MHZ 15KHZ 177800 CP-OFDM 256QAM Outer Full	17.12	7.33	0.0054

15MHZ	Channel	TestItem	MeasuredValue	ERP power (dbm)	ERP power (W)
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.45	13.66	0.0232
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.64	13.85	0.0243
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Inner Full	23.64	13.85	0.0243
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Inner Full	23.73	13.94	0.0248
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Inner Full	23.67	13.88	0.0244
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Inner 1RB Right	23.53	13.74	0.0237
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Inner 1RB Left	23.82	14.03	0.0253
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Inner Full	23.62	13.83	0.0242
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Inner Full	23.68	13.89	0.0245
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Inner Full	23.74	13.95	0.0248
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.57	13.88	0.0244
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.46	13.67	0.0233
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.17	13.38	0.0218
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Outer Full	23.39	13.60	0.0229
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Inner Full	23.7	13.91	0.0246
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Edge 1RB Left	23.51	13.72	0.0238
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.14	13.35	0.0216
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM FI/2 BPSK Outer Full	23.3	13.51	0.0224
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Inner Full	23.69	13.90	0.0245
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Edge 1RB Left	22.86	13.07	0.0203
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Edge 1RB Right	22.64	12.85	0.0193
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM QPSK Outer Full	22.85	13.06	0.0202
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 16QAM Inner Full	22.8	13.01	0.0200
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 16QAM Edge 1RB Left	21.77	11.98	0.0158
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 16QAM Edge 1RB Right	21.73	11.94	0.0156
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 16QAM Outer Full	21.85	12.06	0.0161
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 64QAM Edge 1RB Left	21.54	11.75	0.0150
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 64QAM Edge 1RB Right	21.33	11.54	0.0143
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 64QAM Outer Full	21.41	11.62	0.0145
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 256QAM Edge 1RB Left	19.28	9.48	0.0089
	175300	15MHZ 15KHZ 175300 DFT-s-OFDM 256QAM Edge 1RB Right	19.07	9.28	0.0085
	175300	15MHZ 15KHZ 175300 CP-OFDM 256QAM Outer Full	19.4	9.61	0.0091
	175300	15MHZ 15KHZ 175300 CP-OFDM QPSK Inner Full	22.24	12.45	0.0176
	175300	15MHZ 15KHZ 175300 CP-OFDM QPSK Edge 1RB Left	20.82	11.03	0.0127
	175300	15MHZ 15KHZ 175300 CP-OFDM QPSK Edge 1RB Right	20.77	10.98	0.0125
	175300	15MHZ 15KHZ 175300 CP-OFDM QPSK Outer Full	20.78	10.99	0.0126
	175300	15MHZ 15KHZ 175300 CP-OFDM 16QAM Inner Full	21.75	11.96	0.0157
	175300	15MHZ 15KHZ 175300 CP-OFDM 16QAM Edge 1RB Left	21.12	11.33	0.0136
	175300	15MHZ 15KHZ 175300 CP-OFDM 16QAM Edge 1RB Right	20.48	10.69	0.0117
	175300	15MHZ 15KHZ 175300 CP-OFDM 16QAM Outer Full	20.82	11.03	0.0127
	175300	15MHZ 15KHZ 175300 CP-OFDM 64QAM Edge 1RB Left	20.4	10.61	0.0115
	175300	15MHZ 15KHZ 175300 CP-OFDM 64QAM Edge 1RB Right	20.08	10.29	0.0107
	175300	15MHZ 15KHZ 175300 CP-OFDM 64QAM Outer Full	20.31	10.51	0.0112
	175300	15MHZ 15KHZ 175300 CP-OFDM 256QAM Edge 1RB Left	17.51	7.72	0.0059
	175300	15MHZ 15KHZ 175300 CP-OFDM 256QAM Edge 1RB Right	17.4	7.61	0.0058
	175300	15MHZ 15KHZ 175300 CP-OFDM 256QAM Outer Full	17.36	7.57	0.0057
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.4	13.61	0.0230
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.65	13.86	0.0243
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.54	13.75	0.0237
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.59	13.80	0.0240
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.6	13.81	0.0240
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner 1RB Right	23.17	13.38	0.0218
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner 1RB Left	23.68	13.89	0.0245
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.68	13.89	0.0245
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.58	13.79	0.0238
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.63	13.84	0.0242
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.67	13.88	0.0244
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.29	13.50	0.0224
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.1	13.31	0.0214
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Outer Full	23.2	13.41	0.0219
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.6	13.81	0.0240
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.27	13.48	0.0223
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.13	13.34	0.0216
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Outer Full	23.23	13.44	0.0221
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.65	13.86	0.0243
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Edge 1RB Left	22.84	13.05	0.0202
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Edge 1RB Right	21.94	12.15	0.0164
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM QPSK Outer Full	22.72	12.93	0.0196
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Inner Full	22.71	12.92	0.0196
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Edge 1RB Left	21.53	11.74	0.0154
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Edge 1RB Right	20.77	10.98	0.0125
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Outer Full	21.84	12.05	0.0160
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Edge 1RB Left	21.58	11.79	0.0151
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Edge 1RB Right	20.93	11.14	0.0130
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Outer Full	21.28	11.47	0.0140
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Edge 1RB Left	19.47	9.68	0.0093
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Edge 1RB Right	19.3	9.51	0.0089
	176300	15MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Outer Full	19.15	9.36	0.0086
	176300	15MHZ 15KHZ 176300 CP-OFDM QPSK Inner Full	22.12	12.33	0.0171
	176300	15MHZ 15KHZ 176300 CP-OFDM QPSK Edge 1RB Left	20.77	10.98	0.0125
	176300	15MHZ 15KHZ 176300 CP-OFDM QPSK Edge 1RB Right	20.55	10.76	0.0119
	176300	15MHZ 15KHZ 176300 CP-OFDM QPSK Outer Full	20.72	10.93	0.0124
	176300	15MHZ 15KHZ 176300 CP-OFDM 16QAM Inner Full	21.74	11.95	0.0157
	176300	15MHZ 15KHZ 176300 CP-OFDM 16QAM Edge 1RB Left	20.85	11.06	0.0128
	176300	15MHZ 15KHZ 176300 CP-OFDM 16QAM Edge 1RB Right	20.18	10.39	0.0109
	176300	15MHZ 15KHZ 176300 CP-OFDM 16QAM Outer Full	20.78	10.99	0.0126
	176300	15MHZ 15KHZ 176300 CP-OFDM 64QAM Edge 1RB Left	20.22	10.43	0.0110
	176300	15MHZ 15KHZ 176300 CP-OFDM 64QAM Edge 1RB Right	20.18	10.39	0.0109
	176300	15MHZ 15KHZ 176300 CP-OFDM 64QAM Outer Full	20.3	10.51	0.0112
	176300	15MHZ 15KHZ 176300 CP-OFDM 256QAM Edge 1RB Left	17.28	7.49	0.0056
	176300	15MHZ 15KHZ 176300 CP-OFDM 256QAM Edge 1RB Right	17.21	7.42	0.0055
	176300	15MHZ 15KHZ 176300 CP-OFDM 256QAM Outer Full	17.28	7.49	0.0056
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.32	13.53	0.0225
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.58	13.79	0.0239
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Inner Full	23.49	13.70	0.0234
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Inner Full	23.49	13.70	0.0234
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Inner Full	23.47	13.68	0.0233
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Inner 1RB Right	23.42	13.63	0.0231
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Inner 1RB Left	23.43	13.65	0.0232
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Inner Full	23.45	13.66	0.0232
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Inner Full	23.49	13.70	0.0234
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Inner Full	23.48	13.69	0.0234
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Inner Full	23.43	13.64	0.0231
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.04	13.25	0.0211
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.03	13.24	0.0211
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Outer Full	23.1	13.31	0.0214
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Inner Full	23.41	13.62	0.0230
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.1	13.31	0.0214
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.94	13.15	0.0207
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM FI/2 BPSK Outer Full	23.11	13.32	0.0215
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Inner Full	23.52	13.73	0.0236
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Edge 1RB Left	22.61	12.82	0.0191
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Edge 1RB Right	22.59	12.80	0.0191
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM QPSK Outer Full	22.71	12.92	0.0196
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 16QAM Inner Full	22.63	12.84	0.0192
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 16QAM Edge 1RB Left	21.5	11.71	0.0148
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 16QAM Edge 1RB Right	21.61	11.82	0.0152
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 16QAM Outer Full	21.65	11.86	0.0153
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 64QAM Edge 1RB Left	21.17	11.38	0.0137
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 64QAM Edge 1RB Right	20.92	11.13	0.0130
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 64QAM Outer Full	21.23	11.44	0.0139
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 256QAM Edge 1RB Left	18.8	9.01	0.0080
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 256QAM Edge 1RB Right	19.28	9.49	0.0089
	177300	15MHZ 15KHZ 177300 DFT-s-OFDM 256QAM Outer Full	19.06	9.27	0.0085
	177300	15MHZ 15KHZ 177300 CP-OFDM QPSK Inner Full	22.07	12.28	0.0169
	177300	15MHZ 15KHZ 177300 CP-OFDM QPSK Edge 1RB Left	20.63	10.84	0.0121
	177300	15MHZ 15KHZ 177300 CP-OFDM QPSK Edge 1RB Right	20.47	10.68	0.0117
	177300	15MHZ 15KHZ 177300 CP-OFDM QPSK Outer Full	20.68	10.89	0.0123
	177300	15MHZ 15KHZ 177300 CP-OFDM 16QAM Inner Full	21.57	11.78	0.0151
	177300	15MHZ 15KHZ 177300 CP-OFDM 16QAM Edge 1RB Left	20.77	10.98	0.0125
	177300	15MHZ 15KHZ 177300 CP-OFDM 16QAM Edge 1RB Right	20.21	10.42	0.0110
	177300	15MHZ 15KHZ 177300 CP-OFDM 16QAM Outer Full	20.68	10.89	0.0123
	177300	15MHZ 15KHZ 177300 CP-OFDM 64QAM Edge 1RB Left	19.93	10.14	0.0103
	177300	15MHZ 15KHZ 177300 CP-OFDM 64QAM Edge 1RB Right	19.87	10.08	0.0102
	177300	15MHZ 15KHZ 177300 CP-OFDM 64QAM Outer Full	20.13	10.34	0.0108
	177300	15MHZ 15KHZ 177300 CP-OFDM 256QAM Edge 1RB Left	17.24	7.45	0.0056
	177300	15MHZ 15KHZ 177300 CP-OFDM 256QAM Edge 1RB Right	17.27	7.48	0.0056
	177300	15MHZ 15KHZ 177300 CP-OFDM 256QAM Outer Full	17.17	7.38	0.0055

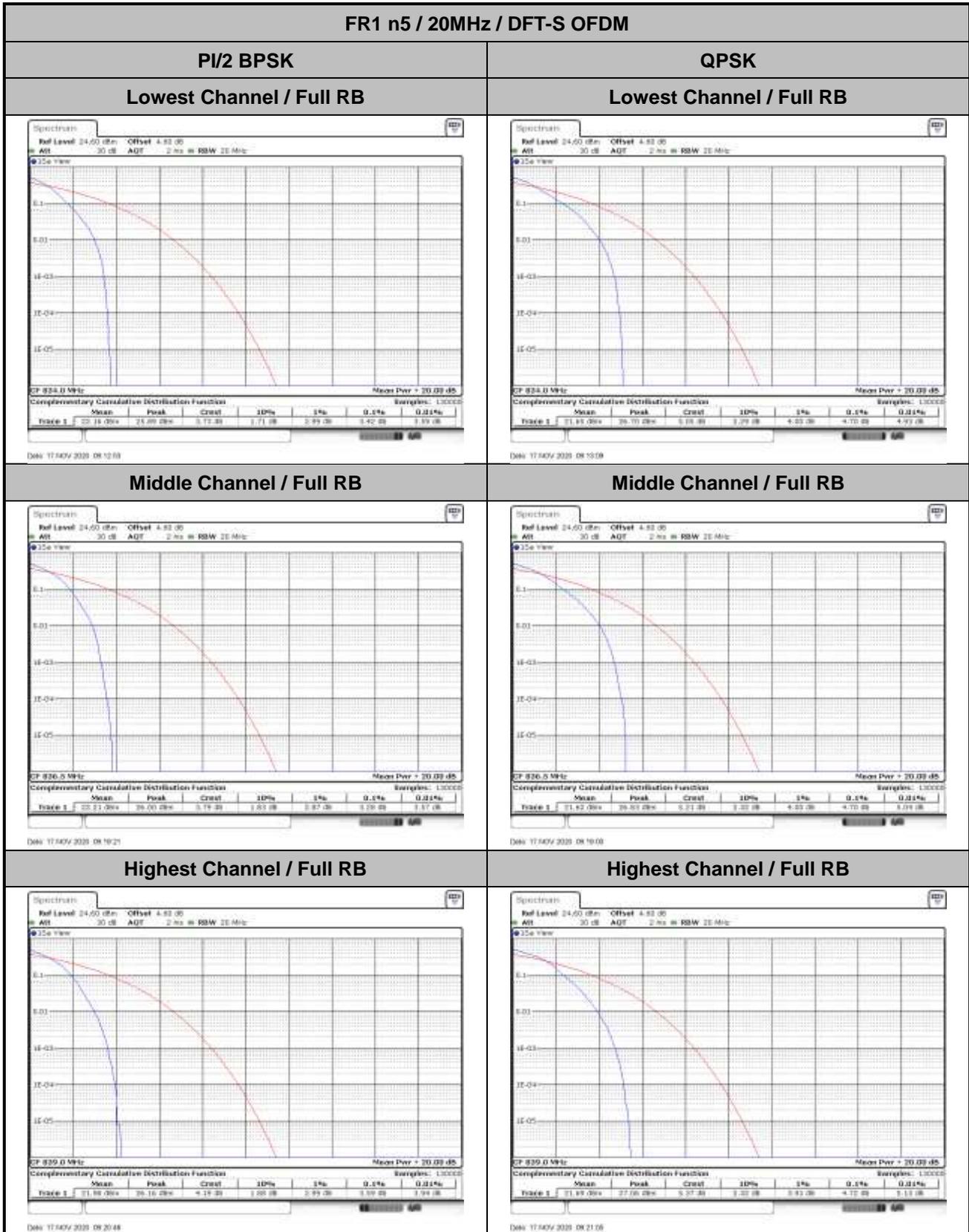
20MHZ	Channel	TestItem	MeasuredValue	ERP power (dbm)	ERP power (W)
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.53	13.74	0.0237
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.73	13.94	0.0248
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Inner Full	23.64	13.85	0.0243
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Inner Full	23.61	13.82	0.0241
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Inner Full	23.61	13.82	0.0241
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Inner 1RB Right	22.29	12.50	0.0178
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Inner 1RB Left	23.75	13.96	0.0249
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Inner Full	23.66	13.87	0.0244
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Inner Full	23.58	13.79	0.0239
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Inner Full	23.62	13.83	0.0242
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.61	13.82	0.0242
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.35	13.56	0.0227
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.64	12.85	0.0193
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Outer Full	23.27	13.48	0.0223
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Inner Full	23.62	13.83	0.0242
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.52	13.73	0.0238
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.49	12.70	0.0186
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM FI/2 BPSK Outer Full	23.28	13.49	0.0223
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Inner Full	23.65	13.86	0.0243
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Edge 1RB Left	22.87	13.08	0.0203
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Edge 1RB Right	21.06	11.27	0.0134
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM QPSK Outer Full	22.76	12.97	0.0198
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 16QAM Inner Full	22.79	13.00	0.0200
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 16QAM Edge 1RB Left	22.9	12.41	0.0174
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 16QAM Edge 1RB Right	19.45	10.16	0.0104
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 16QAM Outer Full	21.86	12.07	0.0161
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 64QAM Edge 1RB Left	21.01	11.22	0.0132
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 64QAM Edge 1RB Right	19.49	9.70	0.0093
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 64QAM Outer Full	21.37	11.58	0.0144
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 256QAM Edge 1RB Left	19.46	9.67	0.0093
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 256QAM Edge 1RB Right	18.9	9.11	0.0081
	175800	20MHZ 15KHZ 175800 DFT-s-OFDM 256QAM Outer Full	19.22	9.43	0.0088
	175800	20MHZ 15KHZ 175800 CP-OFDM QPSK Inner Full	22.2	12.41	0.0174
	175800	20MHZ 15KHZ 175800 CP-OFDM QPSK Edge 1RB Left	20.87	11.08	0.0128
	175800	20MHZ 15KHZ 175800 CP-OFDM QPSK Edge 1RB Right	20.09	10.47	0.0107
	175800	20MHZ 15KHZ 175800 CP-OFDM QPSK Outer Full	20.77	10.98	0.0125
	175800	20MHZ 15KHZ 175800 CP-OFDM 16QAM Inner Full	21.74	11.95	0.0157
	175800	20MHZ 15KHZ 175800 CP-OFDM 16QAM Edge 1RB Left	21.1	11.31	0.0135
	175800	20MHZ 15KHZ 175800 CP-OFDM 16QAM Edge 1RB Right	19.95	10.16	0.0104
	175800	20MHZ 15KHZ 175800 CP-OFDM 16QAM Outer Full	20.78	10.99	0.0126
	175800	20MHZ 15KHZ 175800 CP-OFDM 64QAM Edge 1RB Left	20.81	11.02	0.0126
	175800	20MHZ 15KHZ 175800 CP-OFDM 64QAM Edge 1RB Right	20.15	10.36	0.0109
	175800	20MHZ 15KHZ 175800 CP-OFDM 64QAM Outer Full	20.24	10.45	0.0111
	175800	20MHZ 15KHZ 175800 CP-OFDM 256QAM Edge 1RB Left	17.46	7.67	0.0058
	175800	20MHZ 15KHZ 175800 CP-OFDM 256QAM Edge 1RB Right	17.29	7.59	0.0056
	175800	20MHZ 15KHZ 175800 CP-OFDM 256QAM Outer Full	17.21	7.42	0.0055
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.39	13.60	0.0229
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.63	13.84	0.0242
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.62	13.83	0.0242
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.61	13.82	0.0241
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.61	13.82	0.0241
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner 1RB Right	22.17	12.38	0.0173
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner 1RB Left	23.84	14.05	0.0254
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.67	13.88	0.0244
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.4	13.81	0.0240
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM QPSK Inner Full	23.64	13.85	0.0243
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.6	13.81	0.0240
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.18	13.39	0.0218
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.75	12.96	0.0198
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Outer Full	23.19	13.40	0.0218
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Inner Full	23.6	13.81	0.0240
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.42	13.63	0.0231
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.61	12.82	0.0191
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM FI/2 BPSK Outer Full	23.33	13.54	0.0226
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Inner Full	23.65	13.86	0.0243
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Edge 1RB Left	22.75	12.96	0.0198
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Edge 1RB Right	20.99	11.20	0.0132
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 16QAM Outer Full	22.82	13.03	0.0201
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Inner Full	22.68	12.89	0.0195
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Edge 1RB Left	22.19	12.47	0.0174
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Edge 1RB Right	20.35	10.56	0.0114
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Outer Full	21.81	12.02	0.0159
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Edge 1RB Left	21	11.21	0.0132
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 64QAM Edge 1RB Right	19.62	9.83	0.0096
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Outer Full	21.4	11.45	0.0145
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Edge 1RB Left	19.5	9.71	0.0094
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Edge 1RB Right	18.3	8.51	0.0071
	176300	20MHZ 15KHZ 176300 DFT-s-OFDM 256QAM Outer Full	19.36	9.57	0.0091
	176300	20MHZ 15KHZ 176300 CP-OFDM QPSK Inner Full	22.23	12.44	0.0175
	176300	20MHZ 15KHZ 176300 CP-OFDM QPSK Edge 1RB Left	20.7	10.91	0.0123
	176300	20MHZ 15KHZ 176300 CP-OFDM QPSK Edge 1RB Right	20.2	10.41	0.0110
	176300	20MHZ 15KHZ 176300 CP-OFDM QPSK Outer Full	20.8	11.01	0.0126
	176300	20MHZ 15KHZ 176300 CP-OFDM 16QAM Inner Full	21.68	11.89	0.0155
	176300	20MHZ 15KHZ 176300 CP-OFDM 16QAM Edge 1RB Left	20.63	10.84	0.0121
	176300	20MHZ 15KHZ 176300 CP-OFDM 16QAM Edge 1RB Right	20.12	10.33	0.0108
	176300	20MHZ 15KHZ 176300 CP-OFDM 16QAM Outer Full	20.82	11.03	0.0127
	176300	20MHZ 15KHZ 176300 CP-OFDM 64QAM Inner Full	20.27	10.48	0.0112
	176300	20MHZ 15KHZ 176300 CP-OFDM 64QAM Edge 1RB Right	20.08	10.29	0.0107
	176300	20MHZ 15KHZ 176300 CP-OFDM 64QAM Outer Full	20.21	10.42	0.0110
	176300	20MHZ 15KHZ 176300 CP-OFDM 256QAM Edge 1RB Left	17.1	7.31	0.0054
	176300	20MHZ 15KHZ 176300 CP-OFDM 256QAM Edge 1RB Right	16.96	7.17	0.0052
	176300	20MHZ 15KHZ 176300 CP-OFDM 256QAM Outer Full	17.35	7.56	0.0057
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Inner 1RB Right	23.42	13.63	0.0231
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Inner 1RB Left	23.49	13.70	0.0234
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Inner Full	23.54	13.75	0.0237
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Inner Full	23.56	13.77	0.0238
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Inner Full	23.58	13.79	0.0239
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Inner 1RB Right	23.1	13.31	0.0214
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Inner 1RB Left	23.59	13.80	0.0240
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Inner Full	23.57	13.78	0.0238
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Inner Full	23.53	13.74	0.0237
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Inner Full	23.51	13.72	0.0236
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Inner Full	23.53	13.74	0.0237
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.15	13.36	0.0217
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	22.95	13.16	0.0207
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Outer Full	23.31	13.52	0.0225
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Inner Full	23.55	13.76	0.0238
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Edge 1RB Left	23.14	13.35	0.0216
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Edge 1RB Right	23.04	13.25	0.0211
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM FI/2 BPSK Outer Full	23.25	13.46	0.0222
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Inner Full	23.58	13.79	0.0239
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Edge 1RB Left	22.72	12.93	0.0196
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Edge 1RB Right	22.74	12.35	0.0172
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM QPSK Outer Full	22.19	13.00	0.0200
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 16QAM Inner Full	22.77	12.98	0.0199
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 16QAM Edge 1RB Left	21.49	11.70	0.0148
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 16QAM Edge 1RB Right	21.13	11.34	0.0136
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 16QAM Outer Full	21.9	12.11	0.0163
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 64QAM Inner Full	21.35	11.56	0.0143
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 64QAM Edge 1RB Left	20.67	10.88	0.0122
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 64QAM Edge 1RB Right	21.25	11.46	0.0140
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 256QAM Inner Full	19.1	9.31	0.0085
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 256QAM Edge 1RB Right	18.75	8.96	0.0079
	176800	20MHZ 15KHZ 176800 DFT-s-OFDM 256QAM Outer Full	19.16	9.37	0.0086
	176800	20MHZ 15KHZ 176800 CP-OFDM QPSK Inner Full	22.16	12.37	0.0173
	176800	20MHZ 15KHZ 176800 CP-OFDM QPSK Edge 1RB Left	20.72	10.93	0.0124
	176800	20MHZ 15KHZ 176800 CP-OFDM QPSK Edge 1RB Right	20.9	11.11	0.0129
	176800	20MHZ 15KHZ 176800 CP-OFDM QPSK Outer Full	20.75	10.96	0.0125
	176800	20MHZ 15KHZ 176800 CP-OFDM 16QAM Inner Full	21.67	11.88	0.0154
	176800	20MHZ 15KHZ 176800 CP-OFDM 16QAM Edge 1RB Left	20.8	11.01	0.0126
	176800	20MHZ 15KHZ 176800 CP-OFDM 16QAM Edge 1RB Right	20.47	10.68	0.0117
	176800	20MHZ 15KHZ 176800 CP-OFDM 16QAM Outer Full	20.63	10.84	0.0121
	176800	20MHZ 15KHZ 176800 CP-OFDM 64QAM Inner Full	20.2	10.41	0.0110
	176800	20MHZ 15KHZ 176800 CP-OFDM 64QAM Edge 1RB Left	20.03	10.24	0.0106
	176800	20MHZ 15KHZ 176800 CP-OFDM 64QAM Outer Full	20.21	10.42	0.0110
	176800	20MHZ 15KHZ 176800 CP-OFDM 256QAM Inner Full	17.27	7.48	0.0056
	176800	20MHZ 15KHZ 176800 CP-OFDM 256QAM Edge 1RB Right	17.11	7.32	0.0054
	176800	20MHZ 15KHZ 176800 CP-OFDM 256QAM Outer Full	17.19	7.40	0.0055



## 5G NR n5

### Peak-to-Average Ratio

Mode	FR1 n5 / 20MHz / DFT-S OFDM					
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Full RB	Result
Lowest CH	3.42	4.70	5.80	6.09	6.46	<b>PASS</b>
Middle CH	3.28	4.70	5.68	6.09	6.46	
Highest CH	3.59	4.72	5.83	6.09	6.49	
Mode	FR1 n5 / 20MHz / DFT-S OFDM					
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	1 RB0	1 RB0	1 RB0	1 RB0	1 RB0	Result
Lowest CH	3.77	4.78	5.62	5.91	5.65	<b>PASS</b>
Middle CH	3.86	4.93	5.65	6.12	6.61	
Highest CH	3.71	4.90	5.65	6.17	7.07	





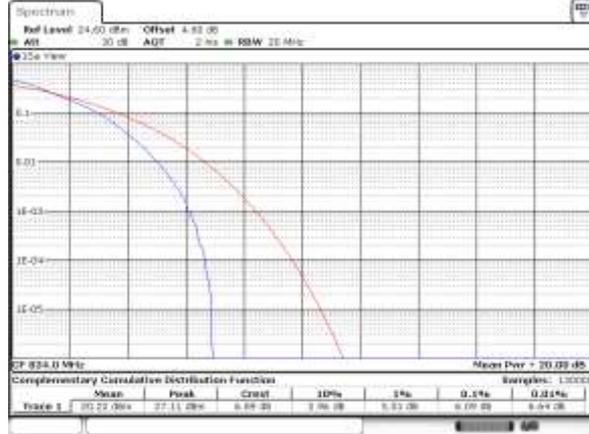
FR1 n5 / 20MHz / DFT-S OFDM

16QAM

64QAM

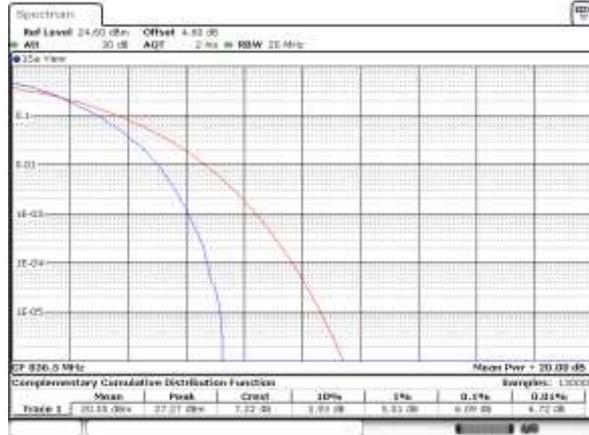
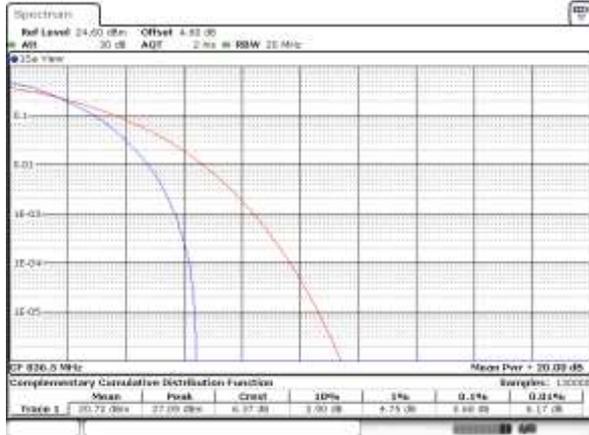
Lowest Channel / Full RB

Lowest Channel / Full RB



Middle Channel / Full RB

Middle Channel / Full RB



Highest Channel / Full RB

Highest Channel / Full RB

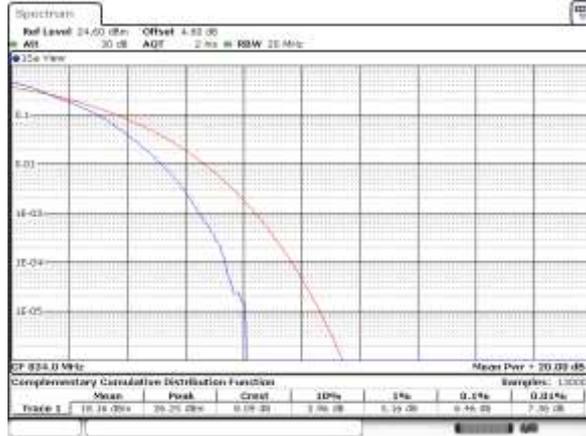




FR1 n5 / 20MHz / DFT-S OFDM

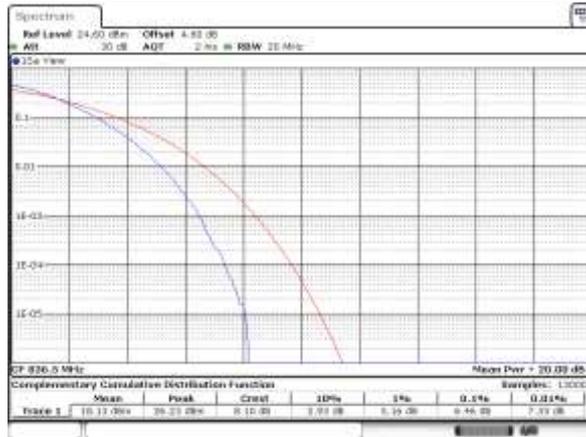
256QAM

Lowest Channel / Full RB



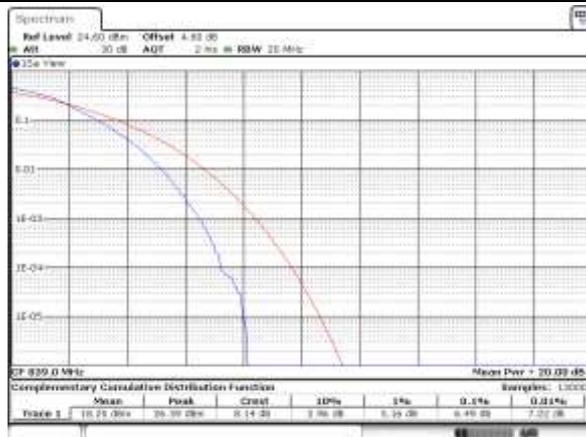
Date: 17 NOV 2020 08:10:57

Middle Channel / Full RB



Date: 17 NOV 2020 08:18:13

Highest Channel / Full RB



Date: 17 NOV 2020 08:21:58



FR1 n5 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RB0

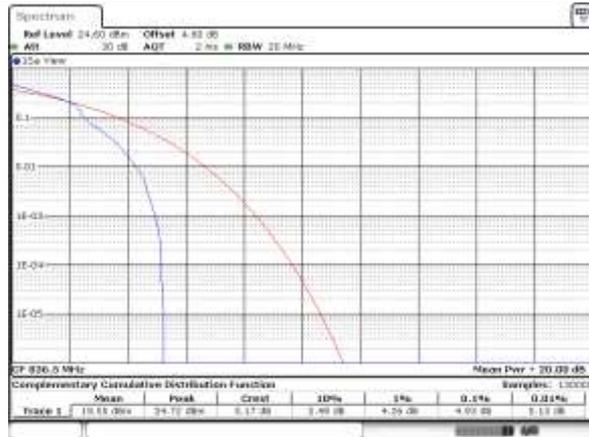
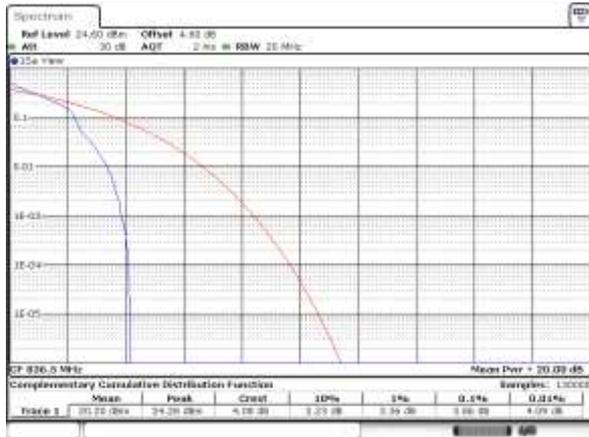


Date: 17-Nov-2020 09:15:13

Date: 17-Nov-2020 09:14:57

Middle Channel / 1RB0

Middle Channel / 1RB0



Date: 17-Nov-2020 09:15:48

Date: 17-Nov-2020 09:16:04

Highest Channel / 1RB0

Highest Channel / 1RB0



Date: 17-Nov-2020 09:25:28

Date: 17-Nov-2020 09:25:00



FR1 n5 / 20MHz / DFT-S OFDM

16QAM

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RB0



Date: 17 NOV 2020 09:14:42

Date: 17 NOV 2020 09:14:27

Middle Channel / 1RB0

Middle Channel / 1RB0



Date: 17 NOV 2020 09:16:22

Date: 17 NOV 2020 09:16:08

Highest Channel / 1RB0

Highest Channel / 1RB0



Date: 17 NOV 2020 09:22:48

Date: 17 NOV 2020 09:22:33



FR1 n5 / 20MHz / DFT-S OFDM

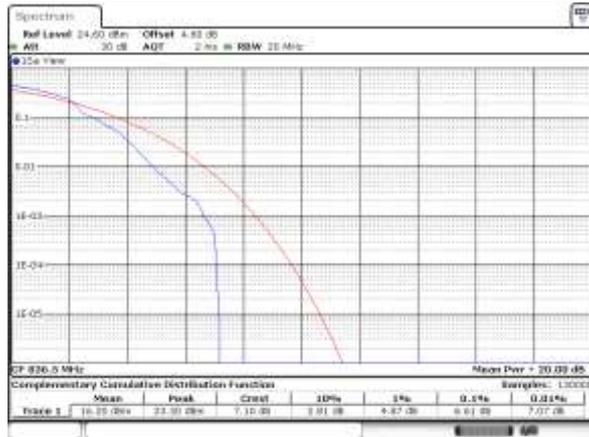
256QAM

Lowest Channel / 1RB0



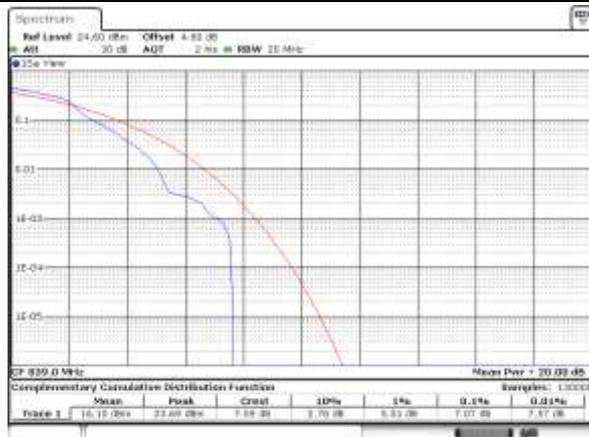
Date: 17 NOV 2020 08:14:13

Middle Channel / 1RB0



Date: 17 NOV 2020 08:17:03

Highest Channel / 1RB0



Date: 17 NOV 2020 08:22:19



**26dB Bandwidth**

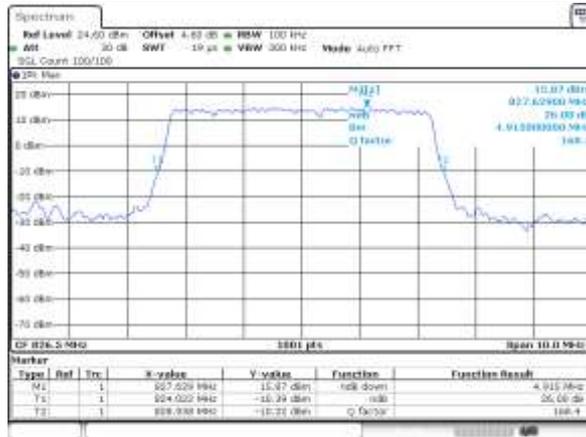
Mode	FR1 n5 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI / BPSK		PI / BPSK		PI / BPSK		PI / BPSK	
Lowest CH	4.92		9.77		14.27		20.22	
Middle CH	4.88		9.71		14.21		20.06	
Highest CH	4.96		9.77		14.18		19.94	
Mode	FR1 n5 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	5.08	5.00	9.77	9.77	14.30	14.27	20.14	20.14
Middle CH	4.97	4.93	9.65	9.77	14.21	14.21	20.10	20.10
Highest CH	4.99	5.03	9.71	9.69	14.30	14.27	20.10	20.10
Mode	FR1 n5 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	4.97	4.86	9.75	9.77	14.30	14.36	20.14	20.26
Middle CH	4.92	4.97	9.73	9.73	14.27	14.24	20.14	20.18
Highest CH	5.00	4.96	9.77	9.73	14.24	14.12	20.14	20.14



FR1 n5 / 5MHz / DFT-S OFDM

PI / BPSK

Lowest Channel



Middle Channel



Highest Channel





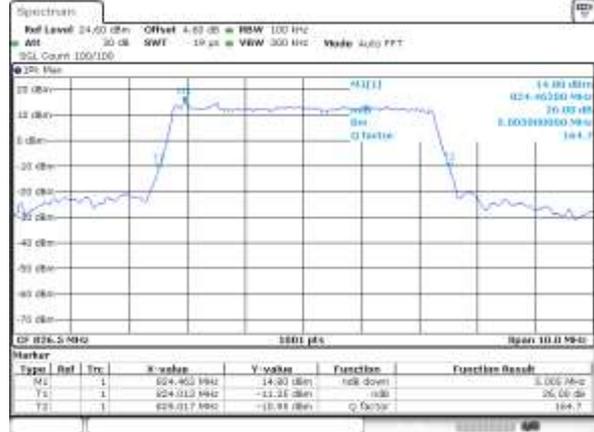
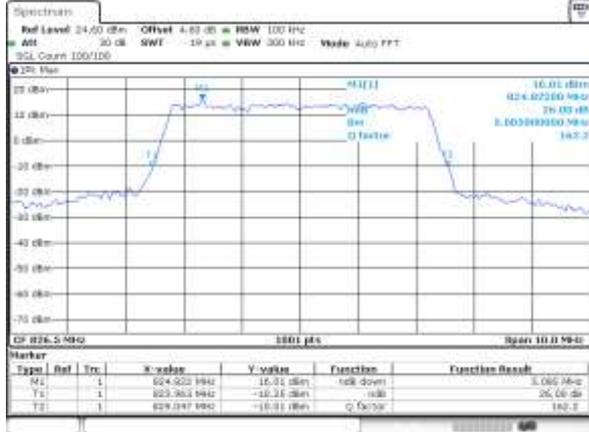
FR1 n5 / 5MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

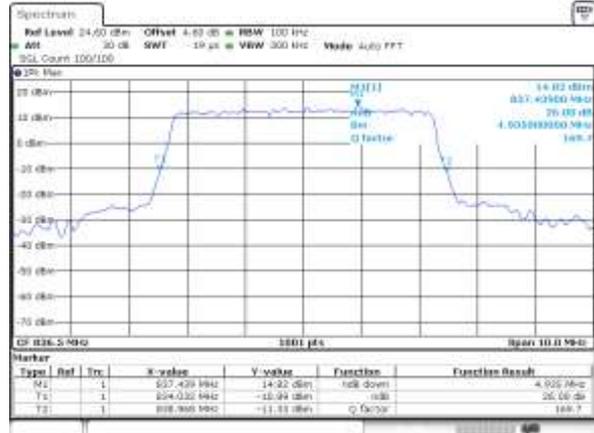
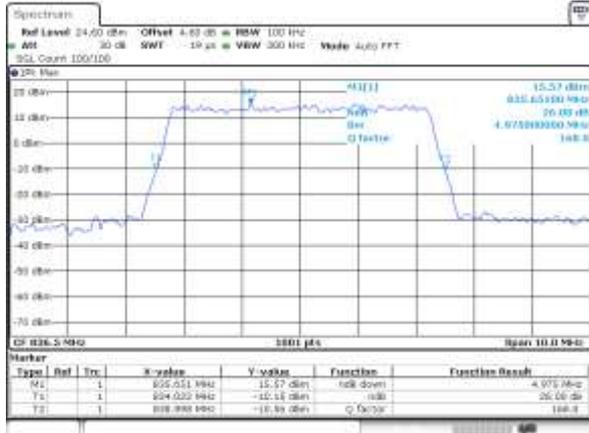


Date: 18,10,2020 14:54:48

Date: 18,10,2020 14:52:58

Middle Channel

Middle Channel

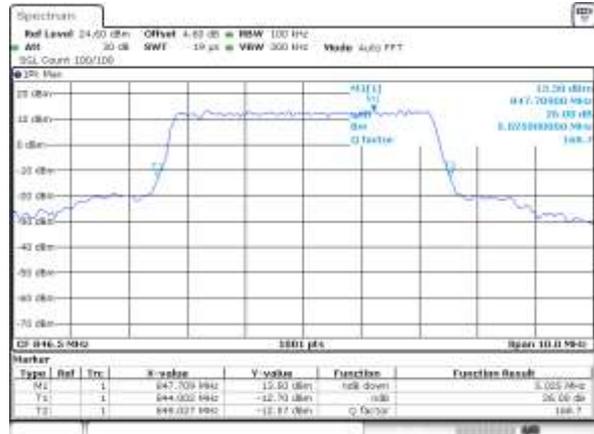


Date: 18,10,2020 15:11:55

Date: 18,10,2020 15:10:55

Highest Channel

Highest Channel



Date: 18,10,2020 15:10:58

Date: 18,10,2020 15:10:58



FR1 n5 / 5MHz / CP OFDM

64QAM

256QAM

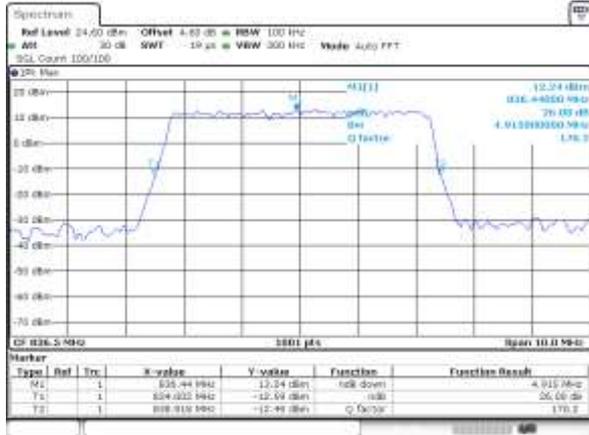
Lowest Channel

Lowest Channel



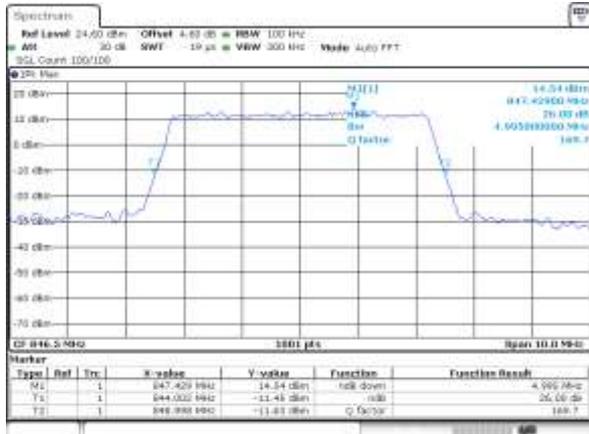
Middle Channel

Middle Channel



Highest Channel

Highest Channel

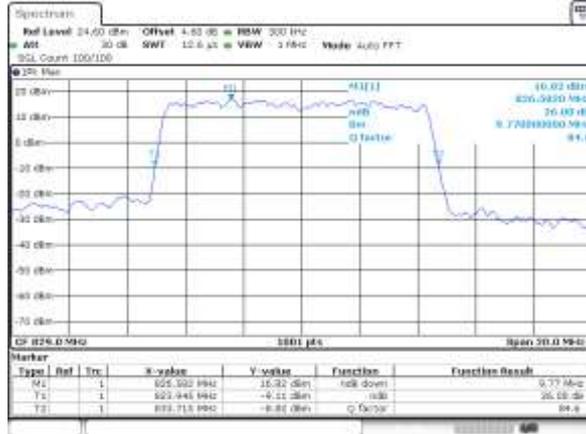




FR1 n5 / 10MHz / DFT-S OFDM

PI / BPSK

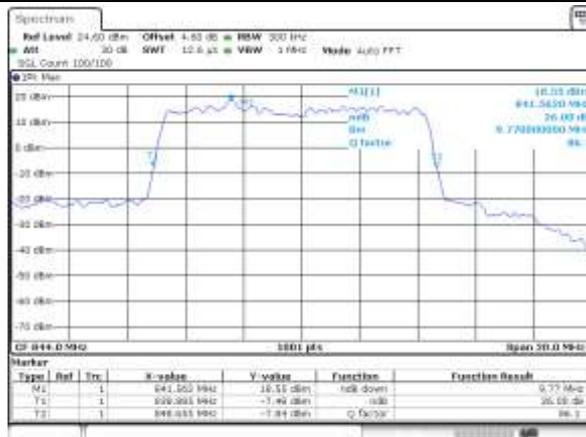
Lowest Channel



Middle Channel



Highest Channel





FR1 n5 / 10MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

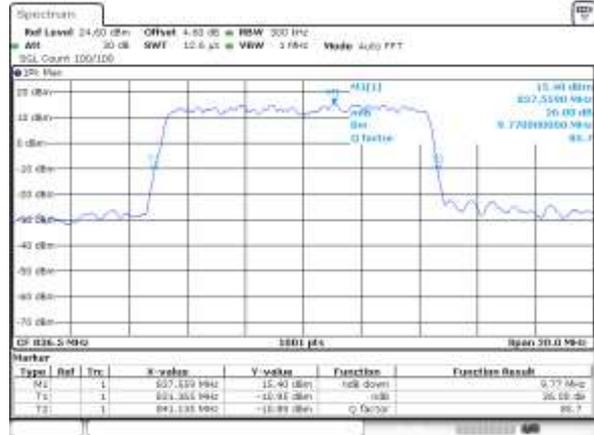
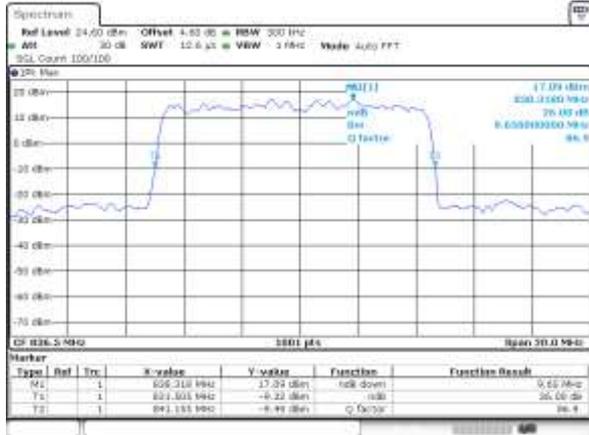


Date: 18,10,2020 10:18:58

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Middle Channel

Middle Channel



Date: 18,10,2020 10:17:59

Date: 18,10,2020 10:17:59

Highest Channel

Highest Channel



Date: 18,10,2020 17:15:43

Date: 18,10,2020 17:15:43



FR1 n5 / 10MHz / CP OFDM

64QAM

256QAM

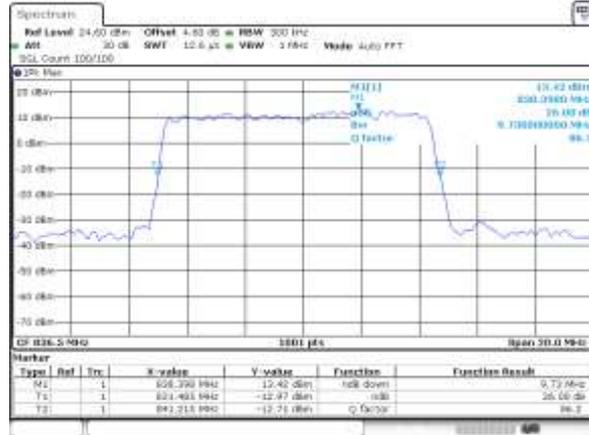
Lowest Channel

Lowest Channel



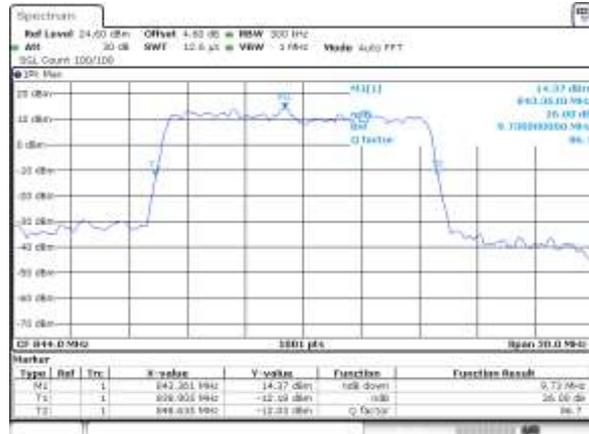
Middle Channel

Middle Channel



Highest Channel

Highest Channel





FR1 n5 / 15MHz / DFT-S OFDM

PI / BPSK

Lowest Channel



Middle Channel



Highest Channel





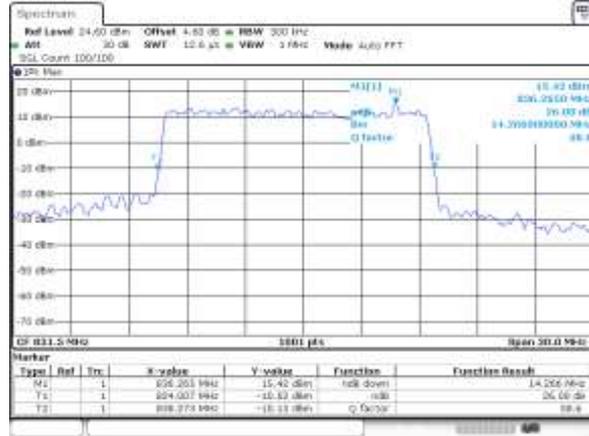
FR1 n5 / 15MHz / CP OFDM

QPSK

16QAM

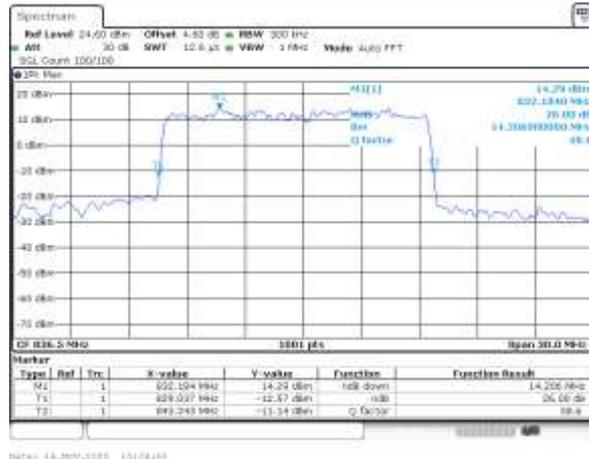
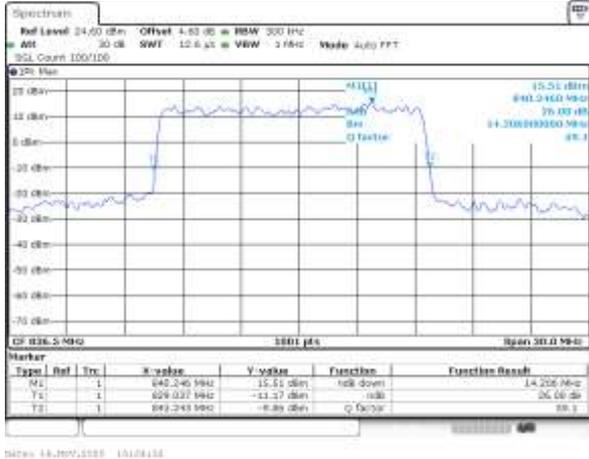
Lowest Channel

Lowest Channel



Middle Channel

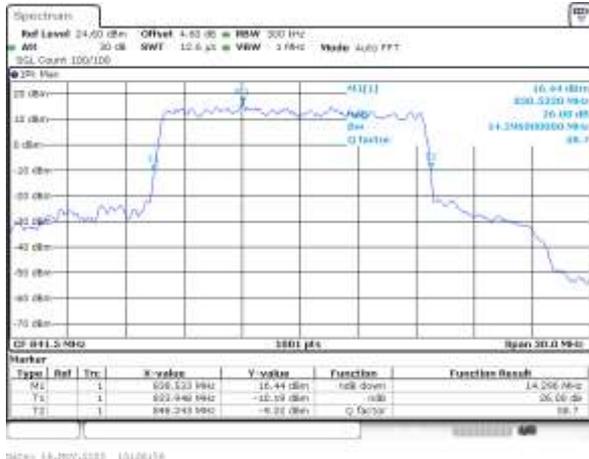
Middle Channel



K

Highest Channel

Highest Channel





FR1 n5 / 15MHz / CP OFDM

64QAM

256QAM

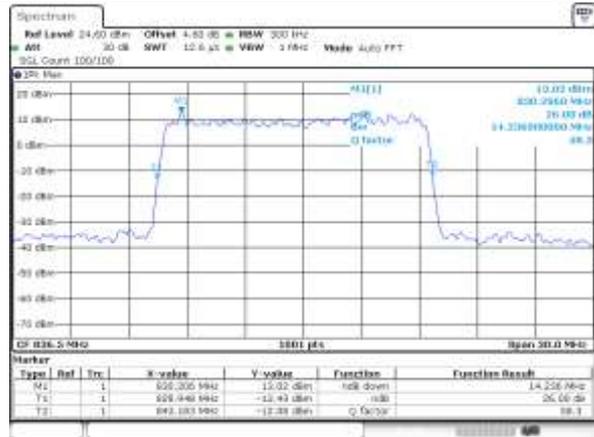
Lowest Channel

Lowest Channel



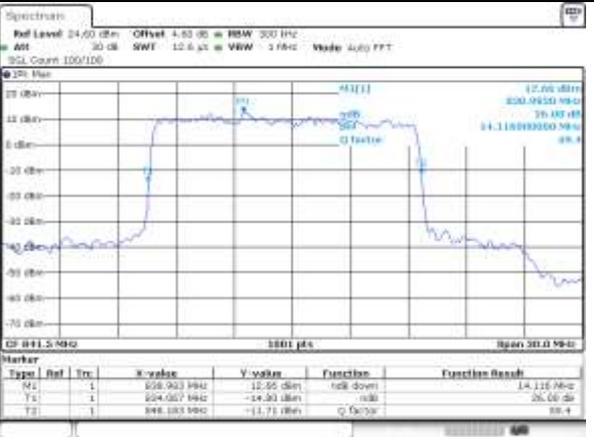
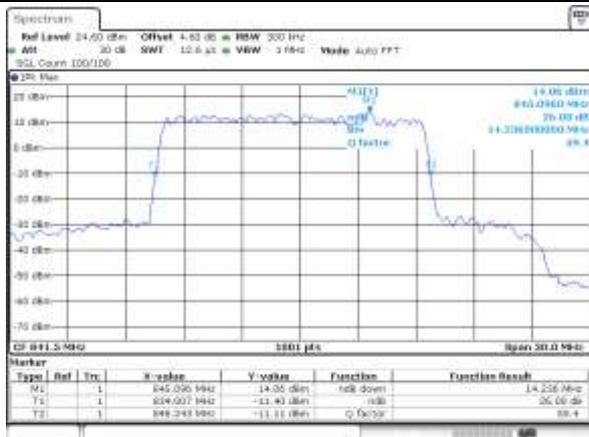
Middle Channel

Middle Channel



Highest Channel

Highest Channel





FR1 n5 / 20MHz / DFT-S OFDM

PI / BPSK

Lowest Channel



Middle Channel



Highest Channel





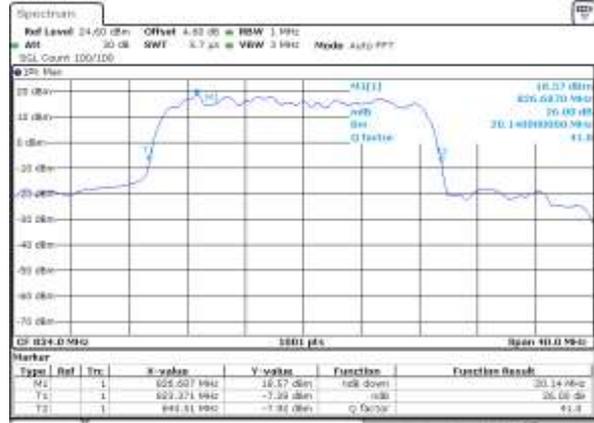
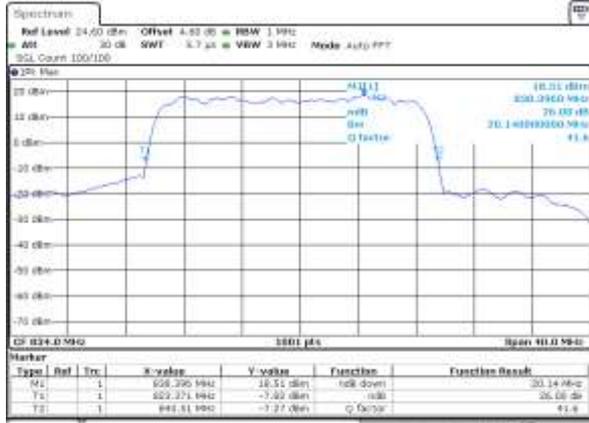
FR1 n5 / 20MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

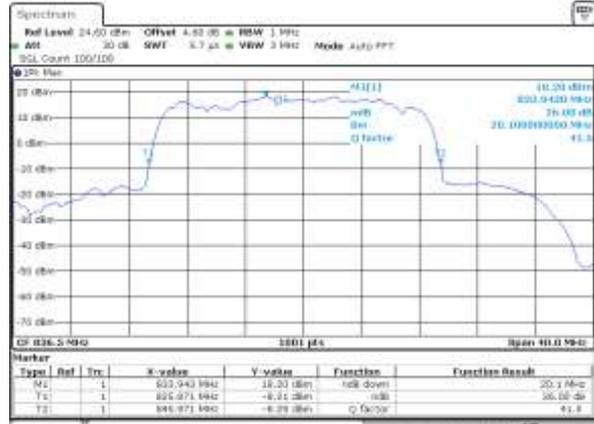
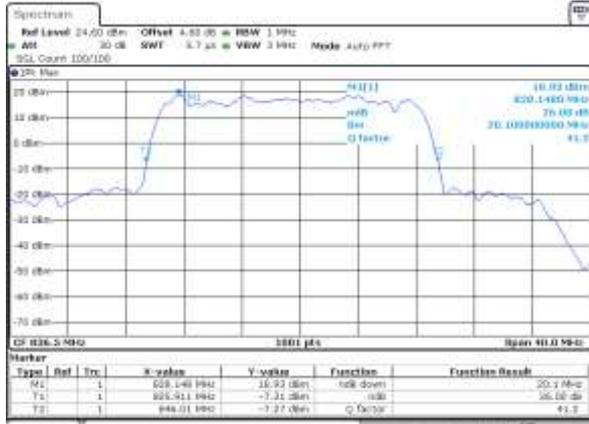


Date: 18,10,2020 21:07:53

Date: 18,10,2020 21:07:53

Middle Channel

Middle Channel



Date: 18,10,2020 21:07:53

Date: 18,10,2020 21:07:53

Highest Channel

Highest Channel



Date: 18,10,2020 21:07:53

Date: 18,10,2020 21:07:53



FR1 n5 / 20MHz / CP OFDM

64QAM

256QAM

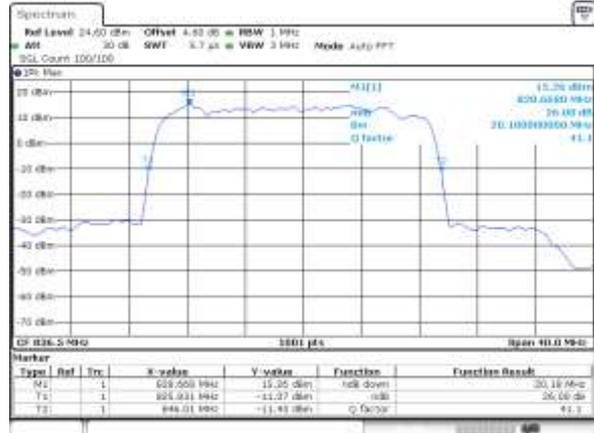
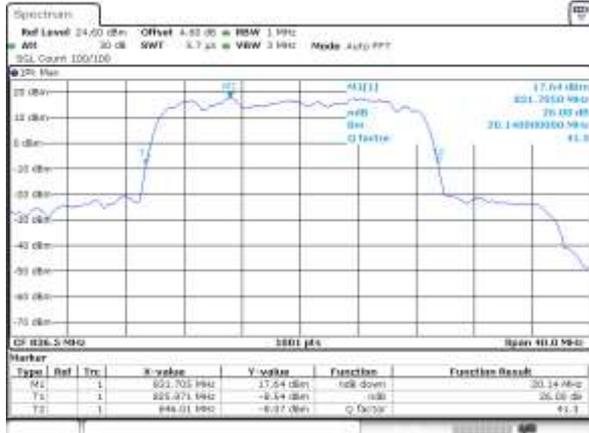
Lowest Channel

Lowest Channel



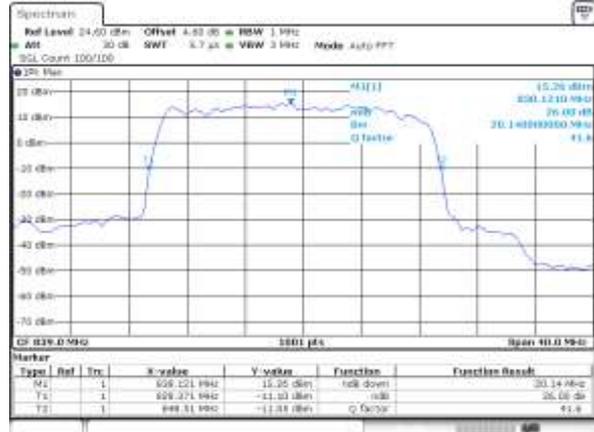
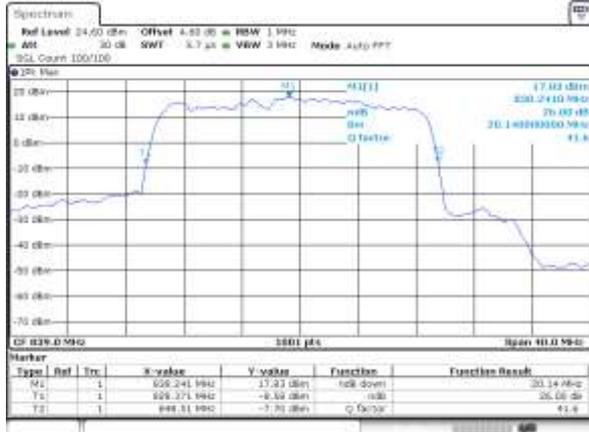
Middle Channel

Middle Channel



Highest Channel

Highest Channel





**Occupied Bandwidth**

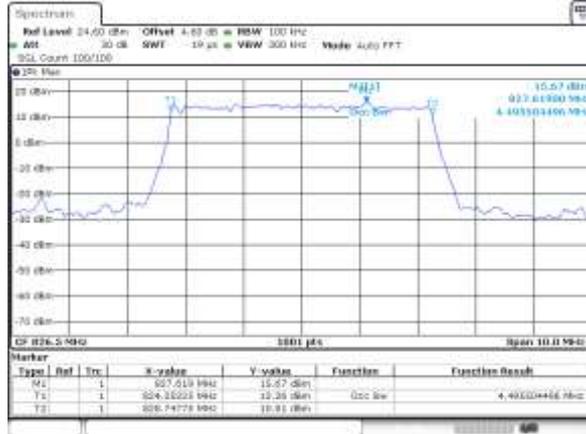
Mode	FR1 n5 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI / BPSK		PI / BPSK		PI / BPSK		PI / BPSK	
Lowest CH	4.50		8.99		13.52		18.26	
Middle CH	4.49		9.01		13.49		18.18	
Highest CH	4.48		9.09		13.46		18.30	
Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.51	4.49	9.05	9.05	13.52	13.55	18.26	18.30
Middle CH	4.48	4.48	9.07	9.01	13.49	13.43	18.42	18.30
Highest CH	4.48	4.47	9.09	9.07	13.43	13.43	18.22	18.26
Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	4.50	4.49	9.01	9.03	13.46	13.49	18.34	18.18
Middle CH	4.46	4.49	9.05	9.03	13.43	13.49	18.46	18.34
Highest CH	4.48	4.47	9.03	9.03	13.43	13.49	18.18	18.30



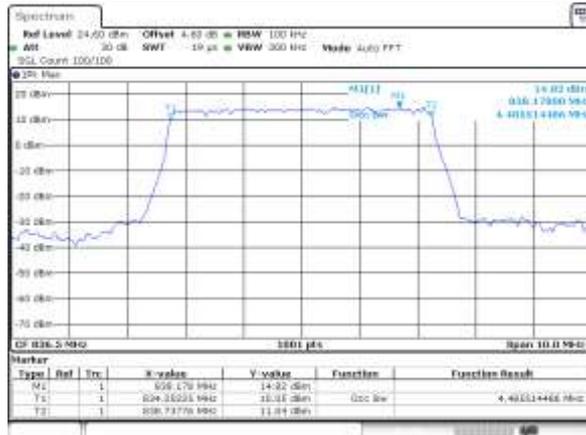
FR1 n5 / 5MHz / DFT-S OFDM

PI / BPSK

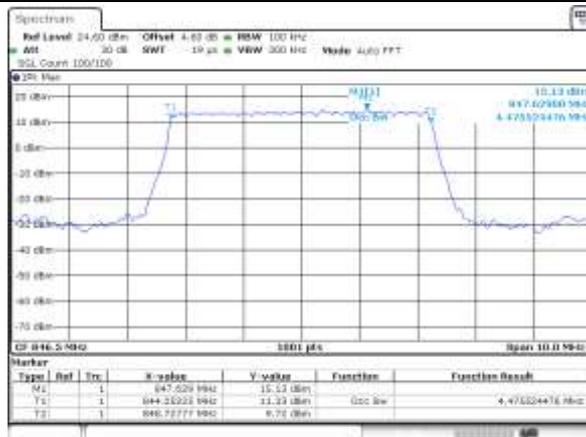
Lowest Channel



Middle Channel



Highest Channel





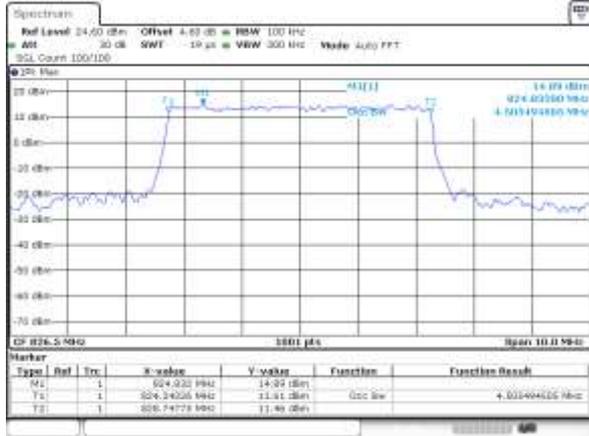
FR1 n5 / 5MHz / CP OFDM

QPSK

16QAM

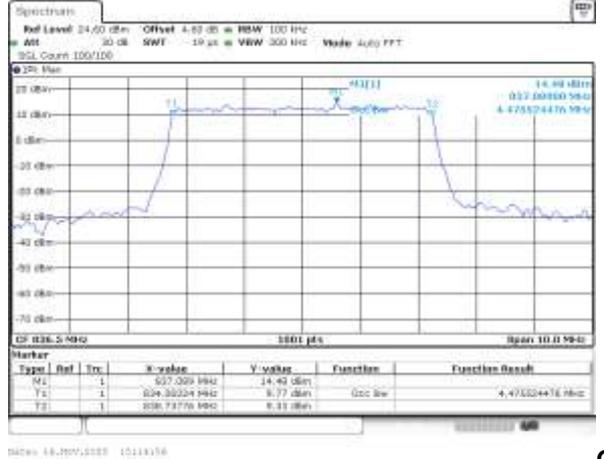
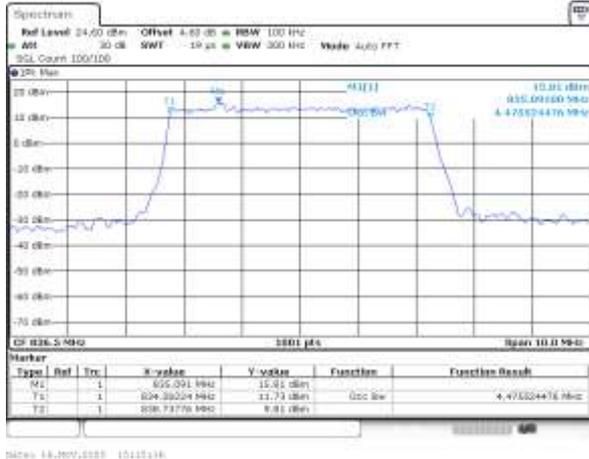
Lowest Channel

Lowest Channel



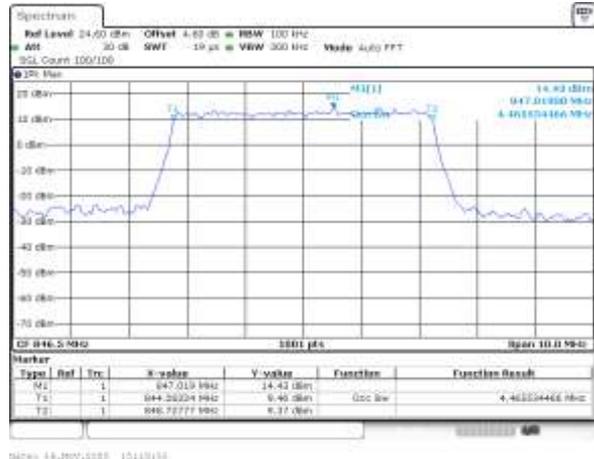
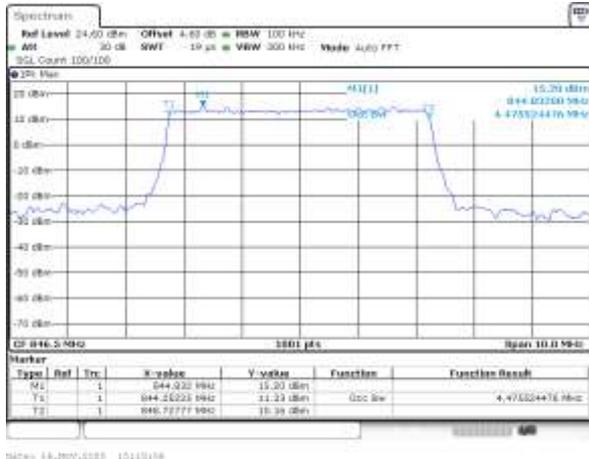
Middle Channel

Middle Channel



Highest Channel

Highest Channel





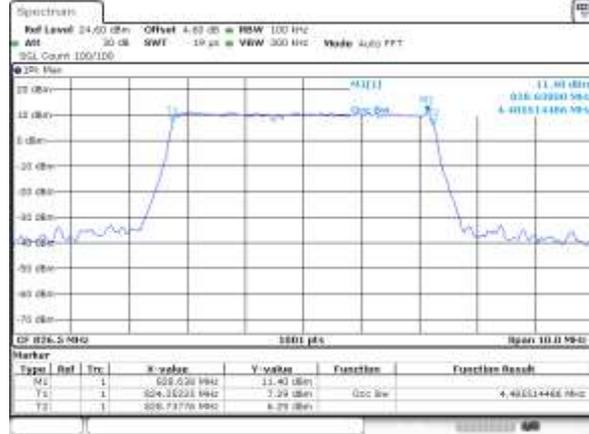
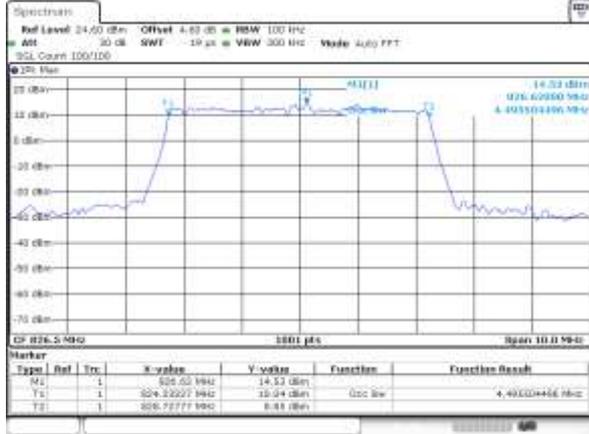
FR1 n5 / 5MHz / CP OFDM

64QAM

256QAM

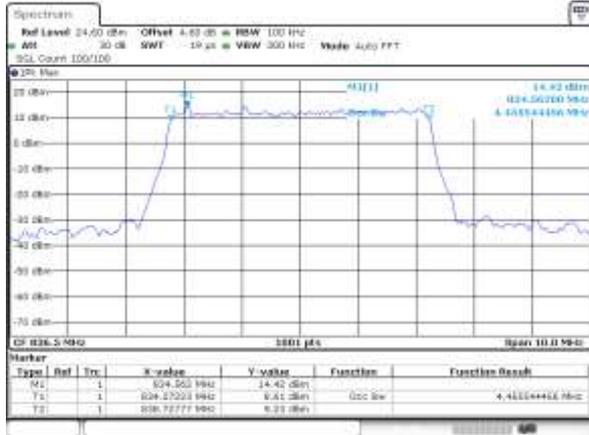
Lowest Channel

Lowest Channel



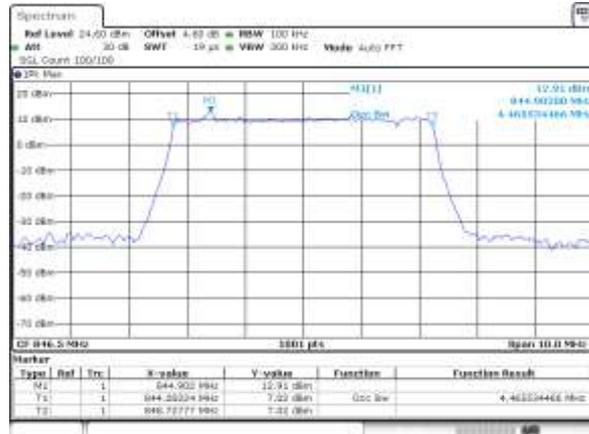
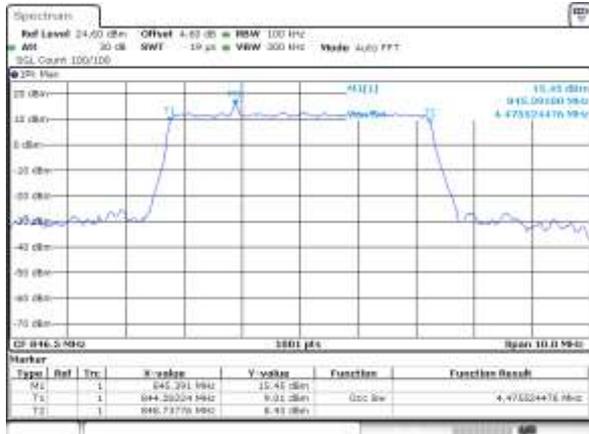
Middle Channel

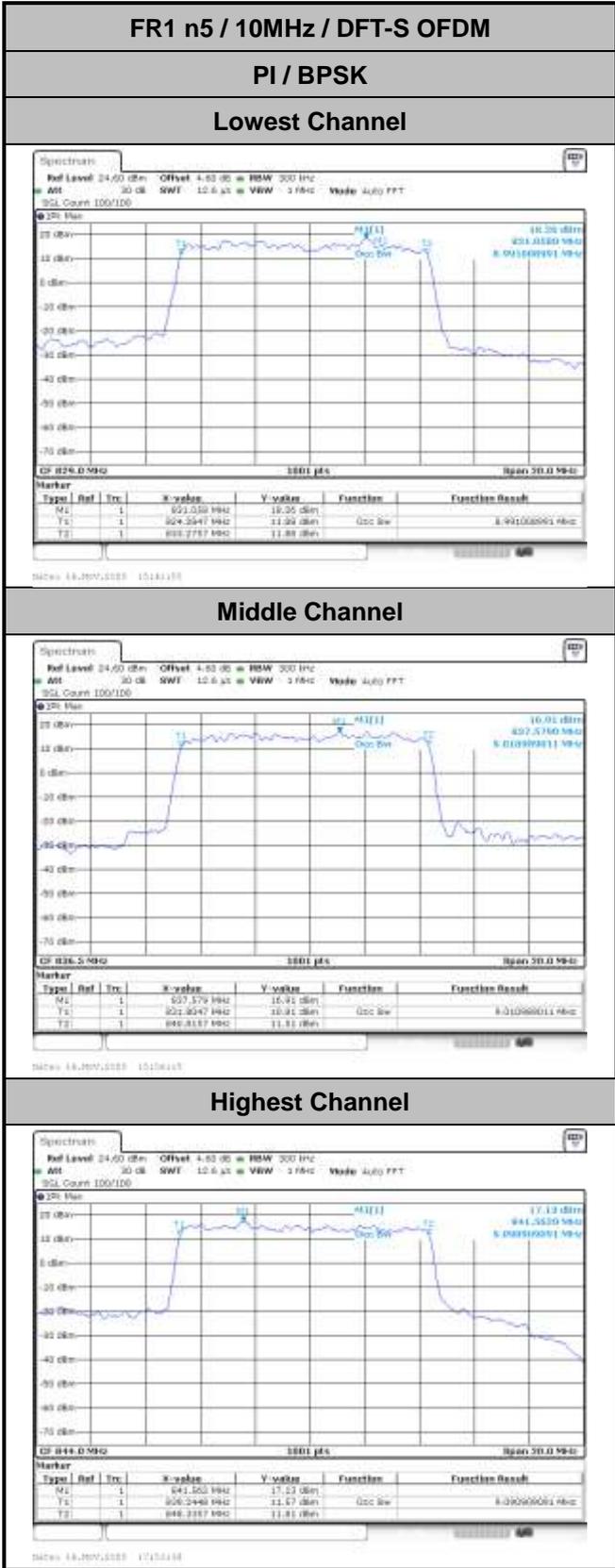
Middle Channel



Highest Channel

Highest Channel







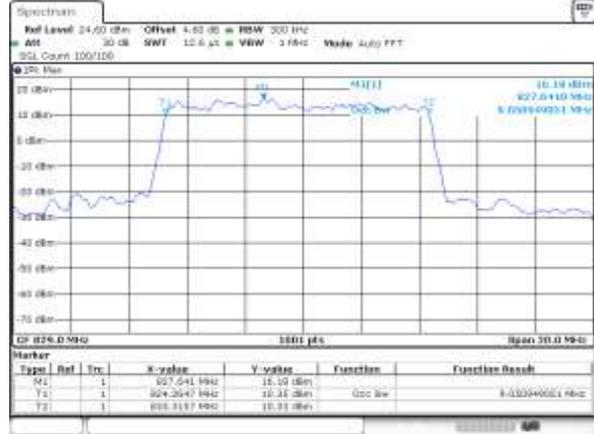
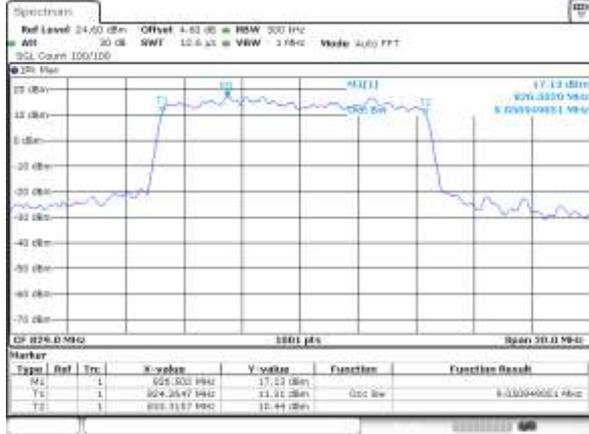
FR1 n5 / 10MHz / CP OFDM

QPSK

16QAM

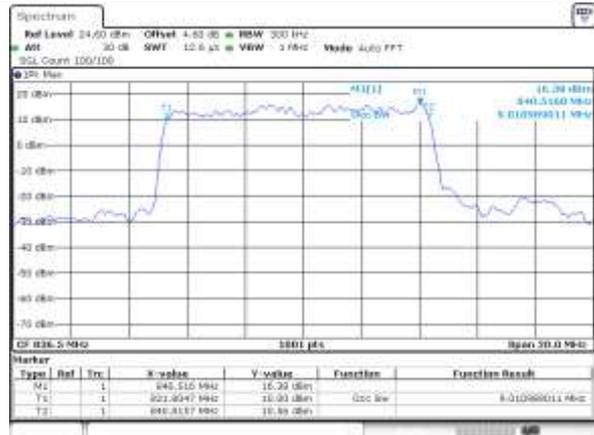
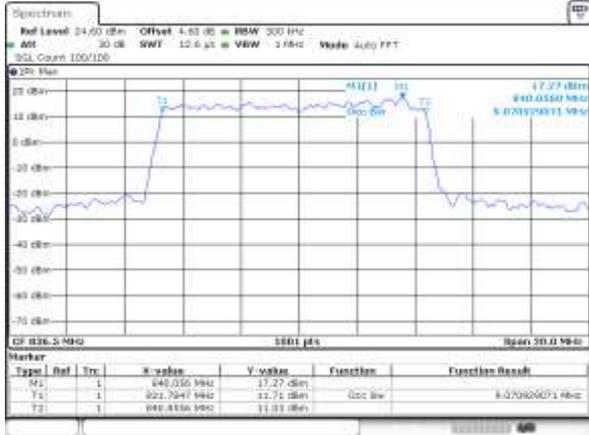
Lowest Channel

Lowest Channel



Middle Channel

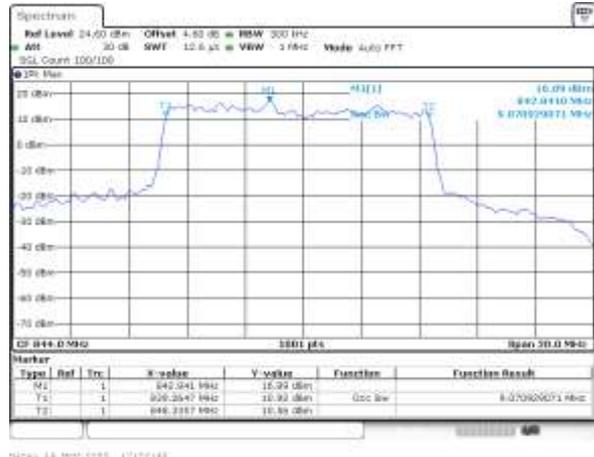
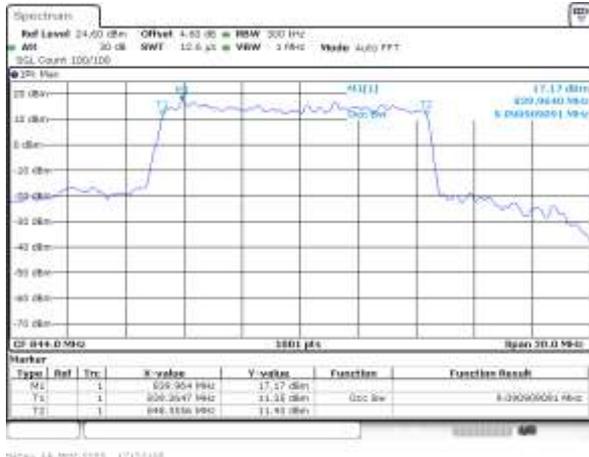
Middle Channel



K

Highest Channel

Highest Channel





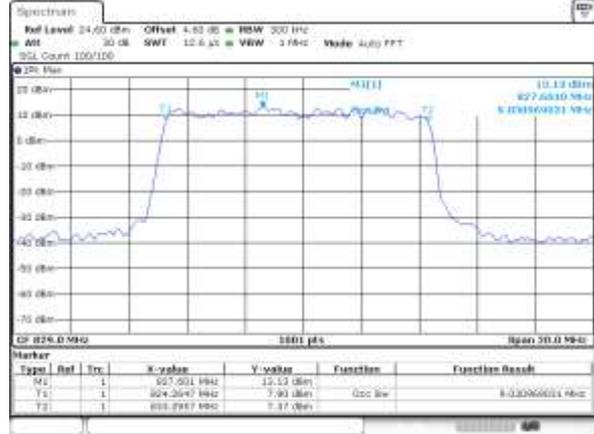
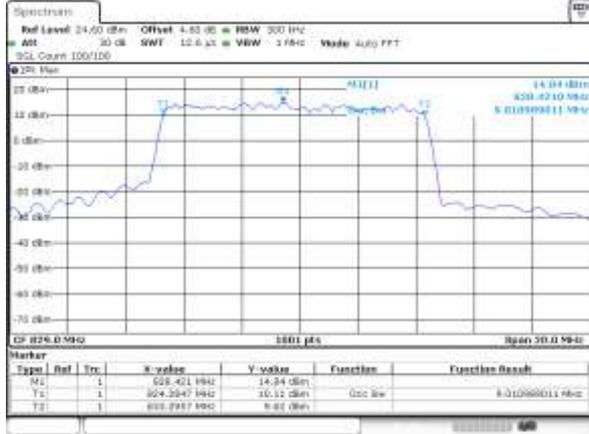
FR1 n5 / 10MHz / CP OFDM

64QAM

256QAM

Lowest Channel

Lowest Channel

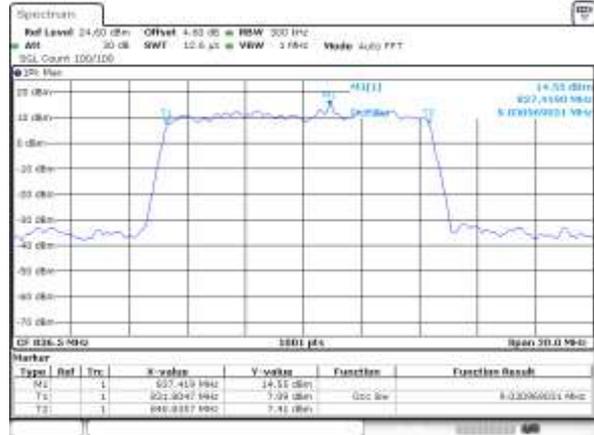
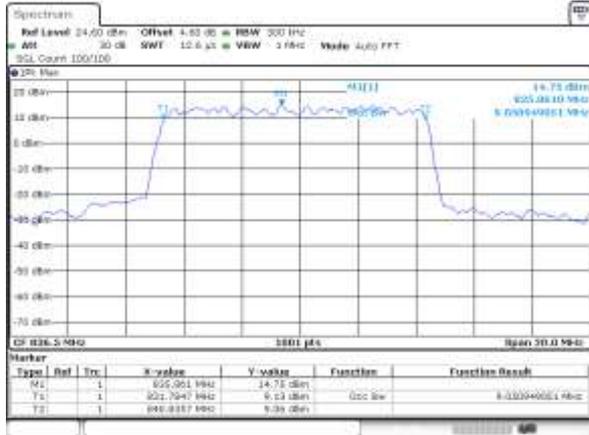


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Date: 18,09V,2020 10:17:16

Middle Channel

Middle Channel

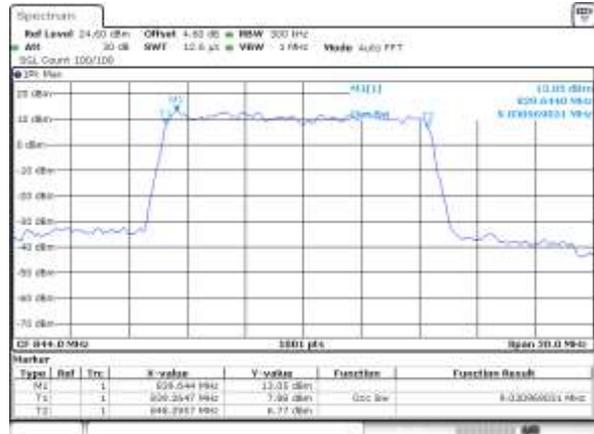
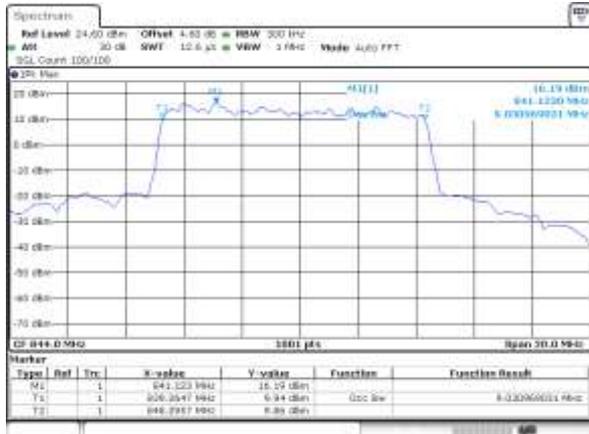


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Date: 18,09V,2020 10:18:12

Highest Channel

Highest Channel



Date: 18,09V,2020 17:12:15

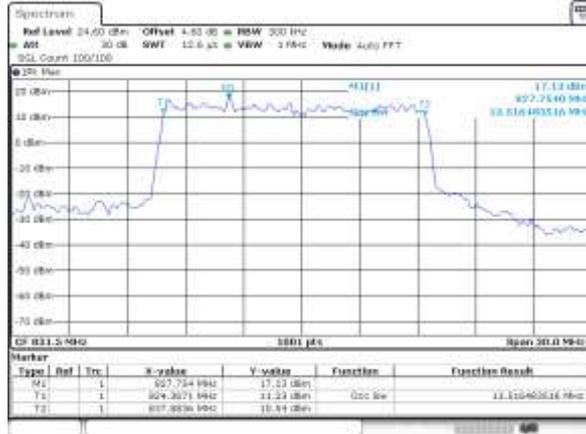
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FR1 n5 / 15MHz / DFT-S OFDM

PI / BPSK

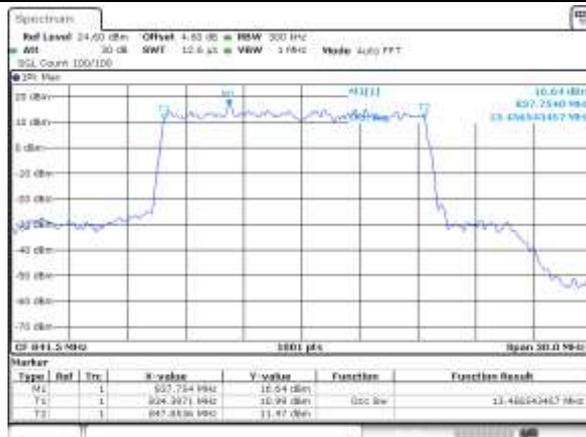
Lowest Channel



Middle Channel



Highest Channel





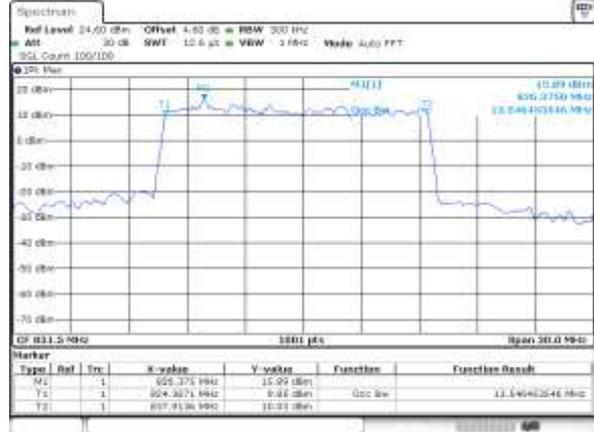
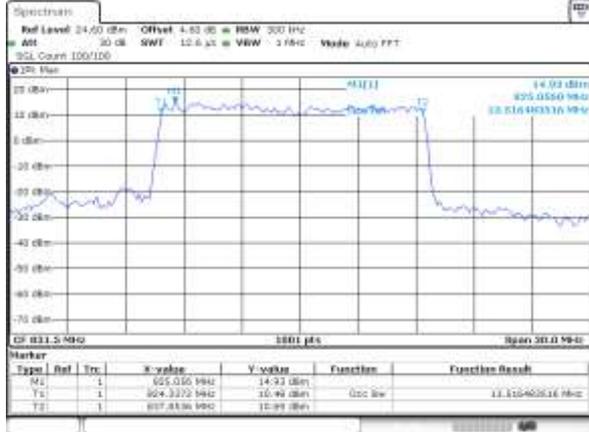
FR1 n5 / 15MHz / CP OFDM

QPSK

16QAM

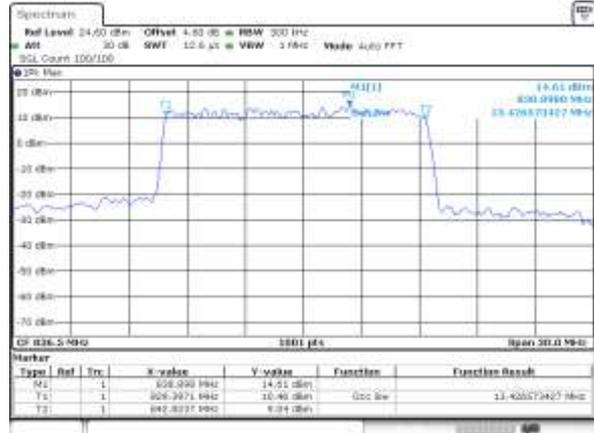
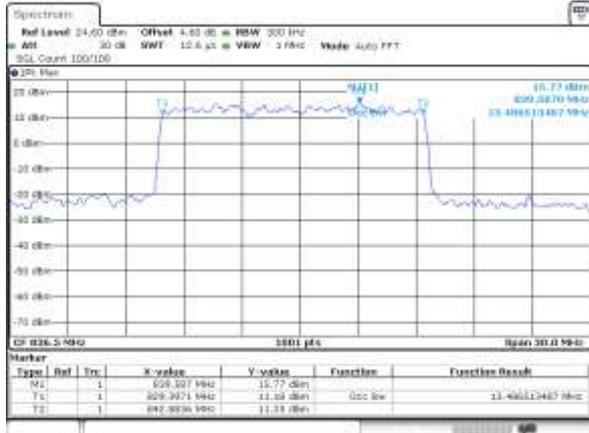
Lowest Channel

Lowest Channel



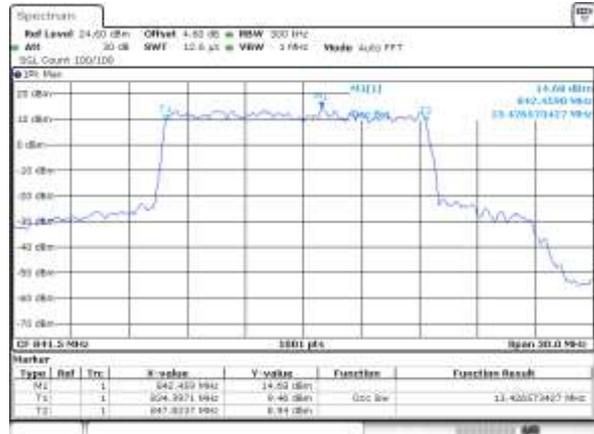
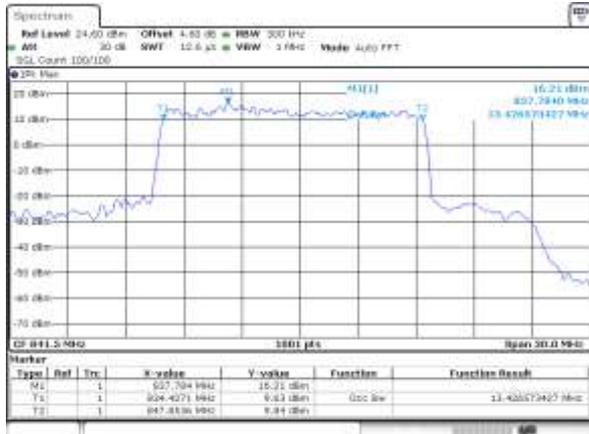
Middle Channel

Middle Channel



Highest Channel

Highest Channel





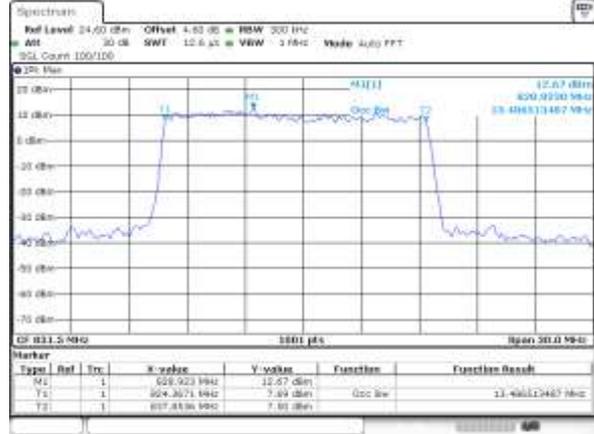
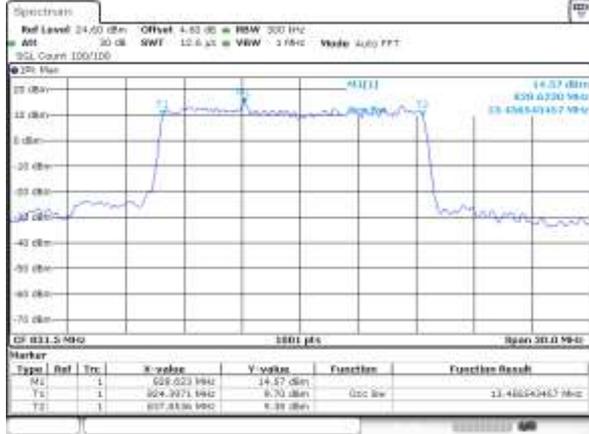
FR1 n5 / 15MHz / CP OFDM

64QAM

256QAM

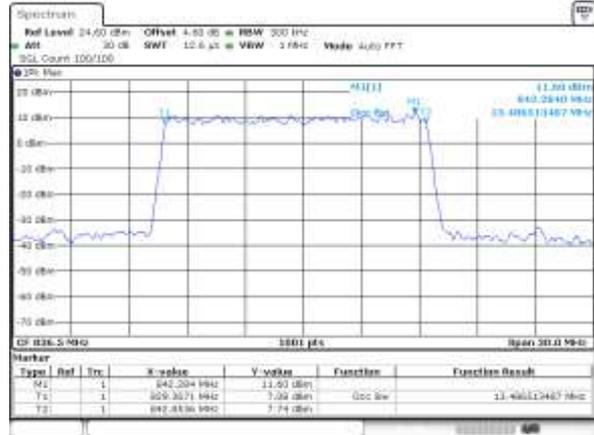
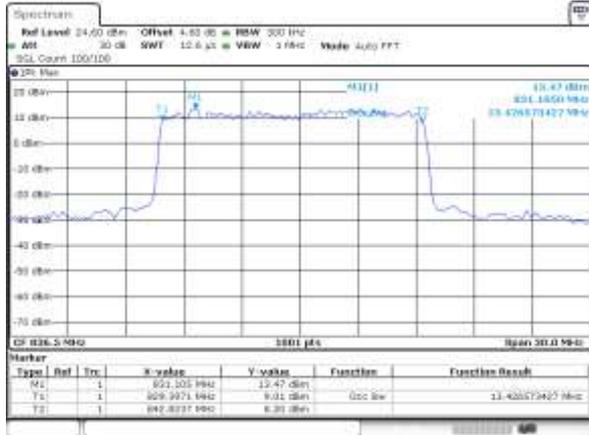
Lowest Channel

Lowest Channel



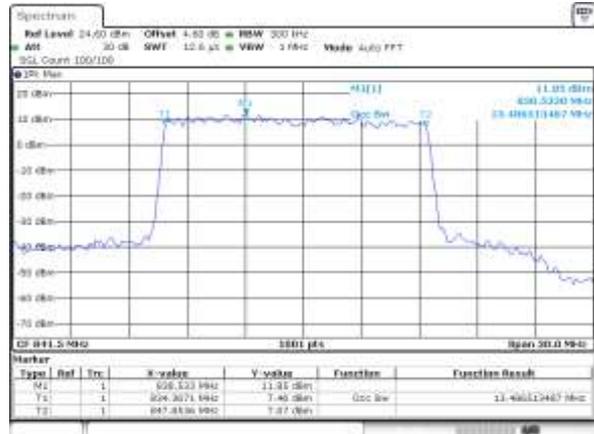
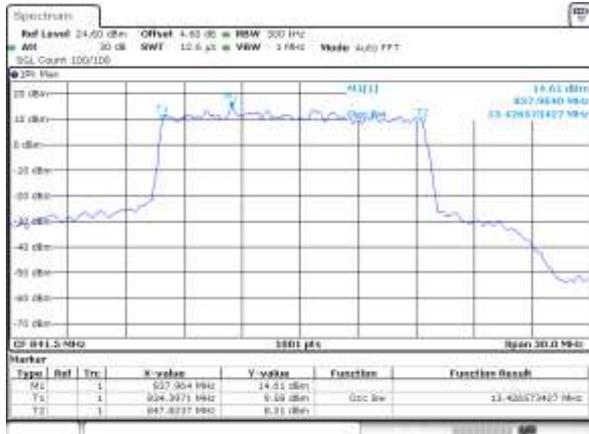
Middle Channel

Middle Channel



Highest Channel

Highest Channel





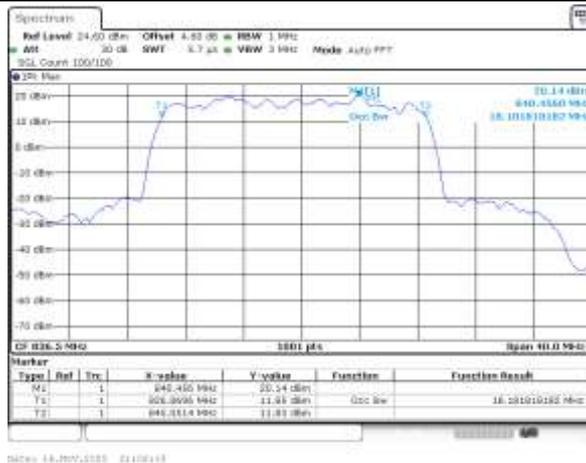
FR1 n5 / 20MHz / DFT-S OFDM

PI / BPSK

Lowest Channel



Middle Channel



Highest Channel





FR1 n5 / 20MHz / CP OFDM

QPSK

16QAM

Lowest Channel

Lowest Channel

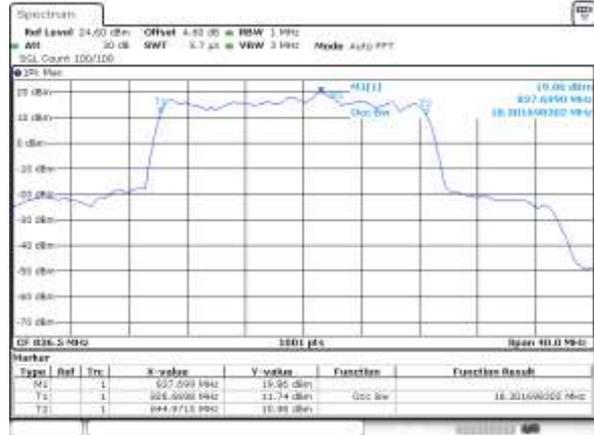
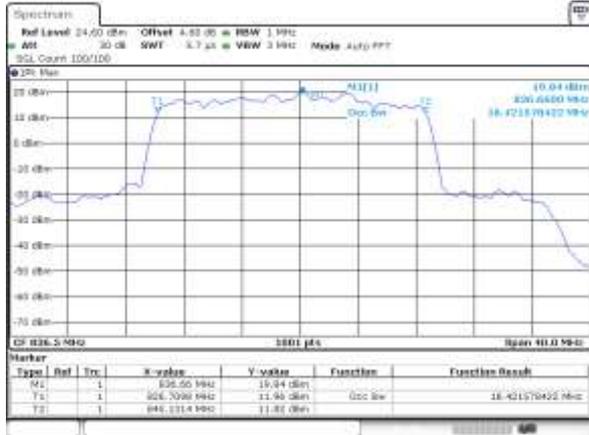


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Middle Channel

Middle Channel

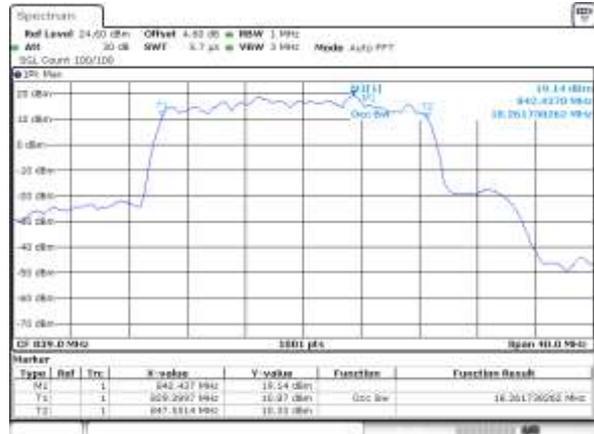


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Date: 18,10/1,2025 21:07:46

Highest Channel

Highest Channel



Date: 18,10/1,2025 21:07:47

Date: 18,10/1,2025 21:07:48



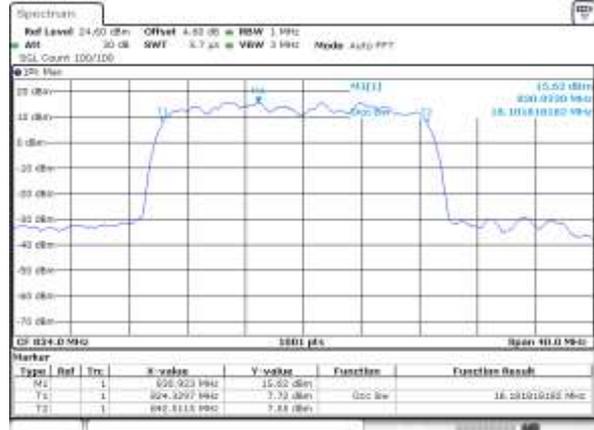
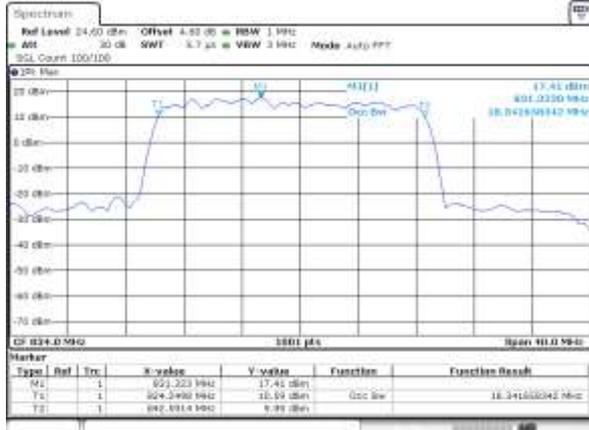
FR1 n5 / 20MHz / CP OFDM

64QAM

256QAM

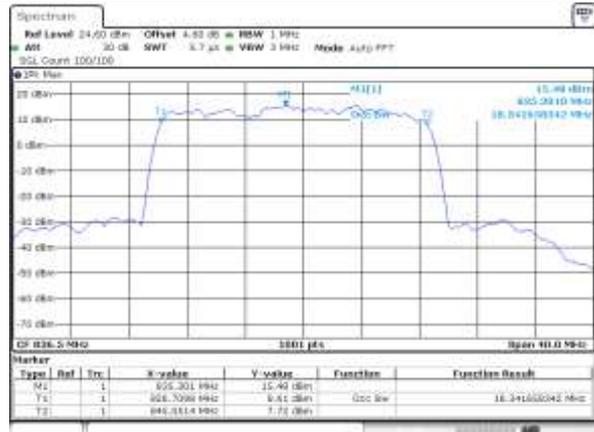
Lowest Channel

Lowest Channel



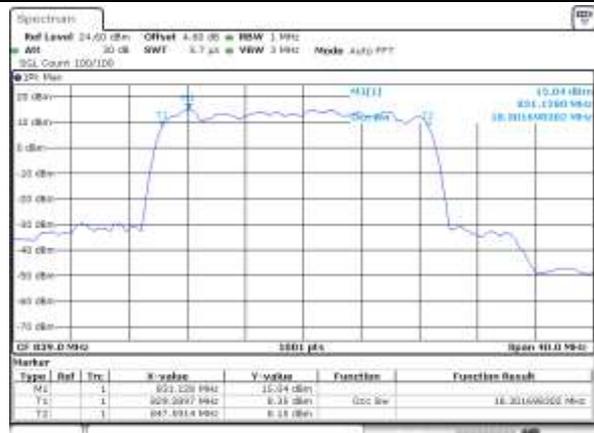
Middle Channel

Middle Channel



Highest Channel

Highest Channel



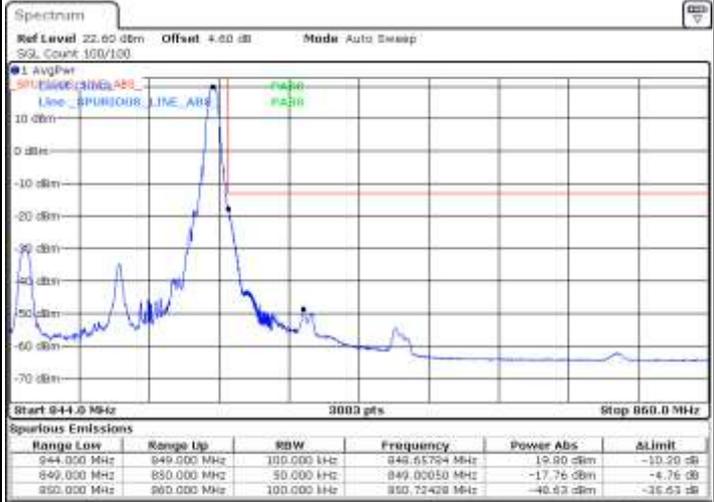
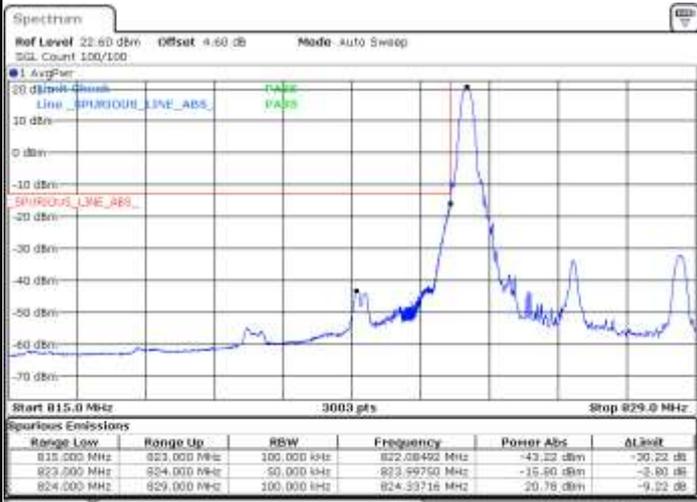


# Conducted Band Edge

FR1 n5 / 5MHz / DFT-S OFDM / PI/2 BPSK

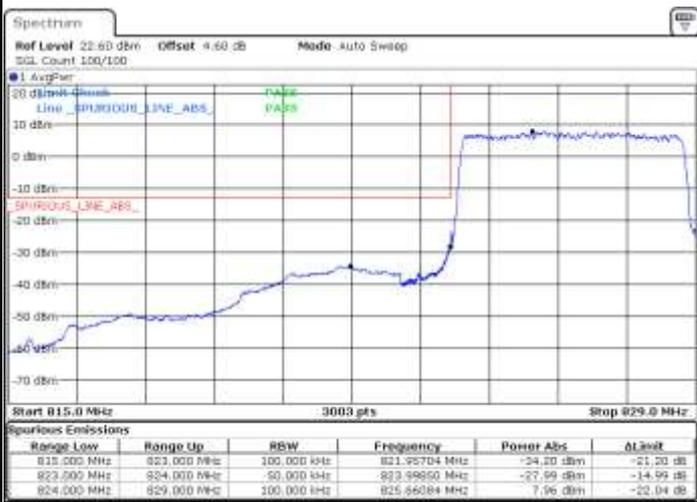
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

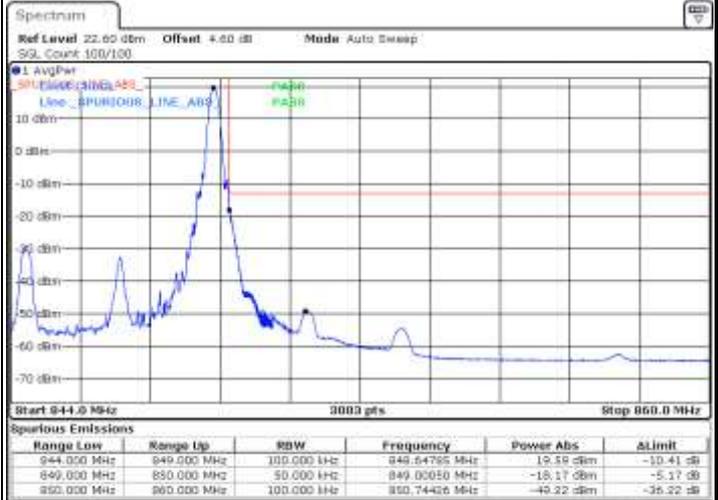
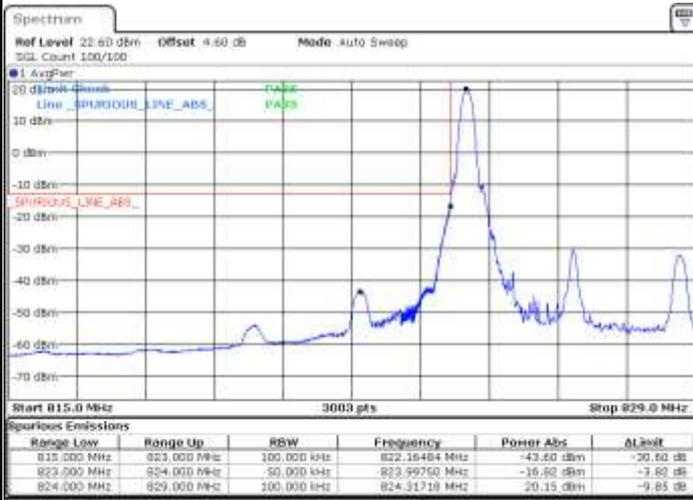




FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

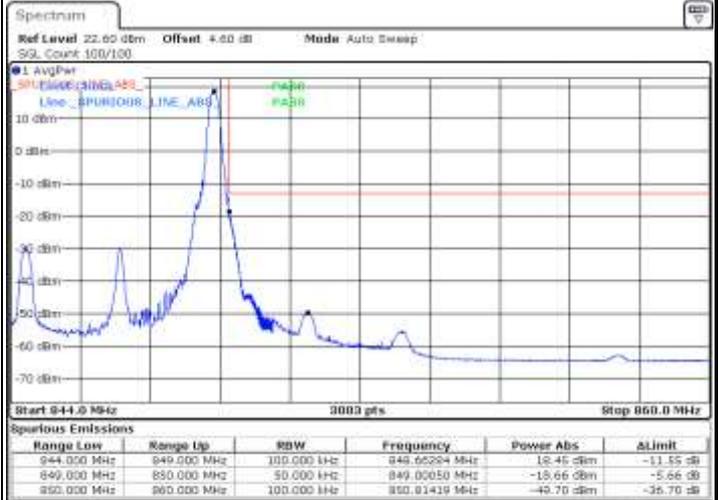
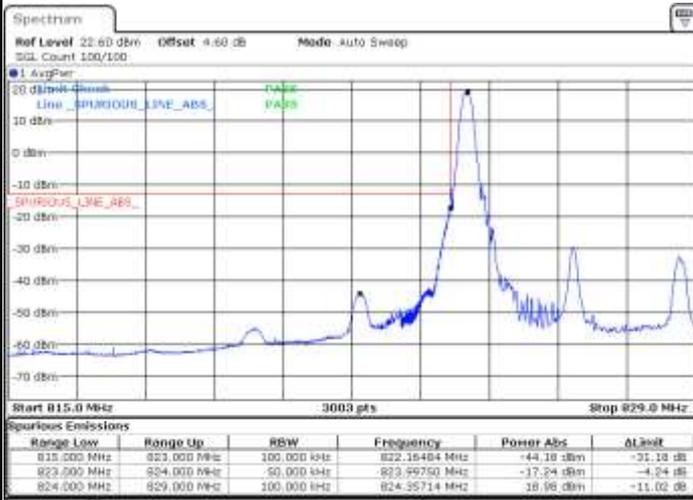




FR1 n5 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

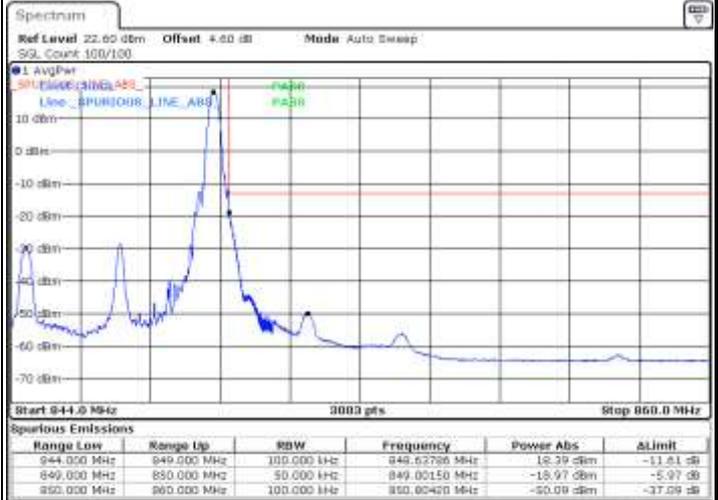
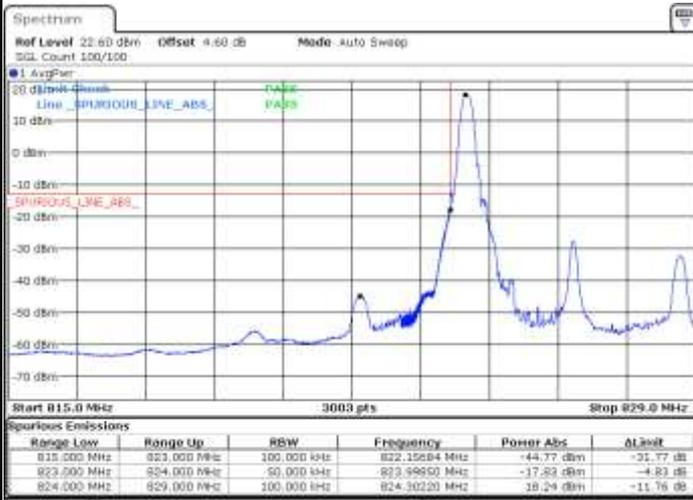




FR1 n5 / 5MHz / DFT-S OFDM / 64Q

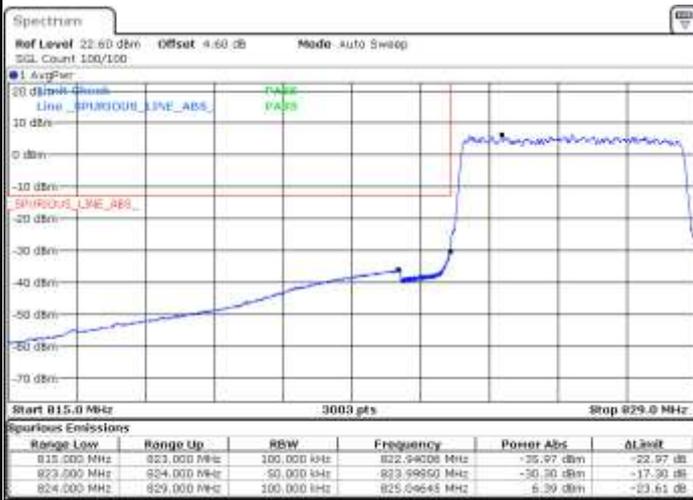
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

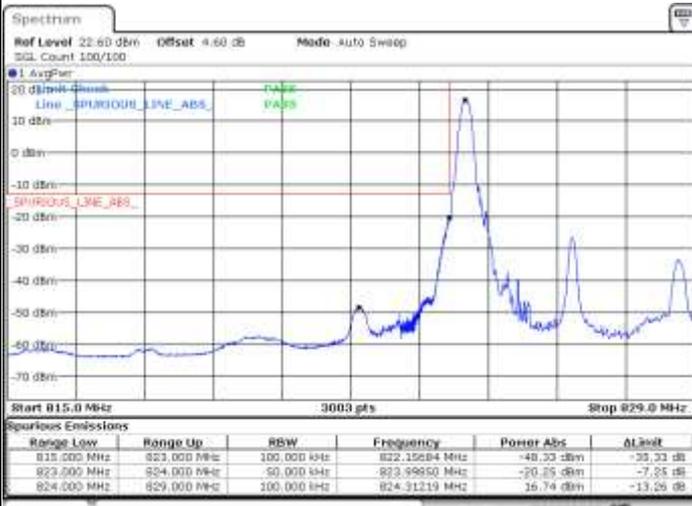




FR1 n5 / 5MHz / DFT-S OFDM / 256Q

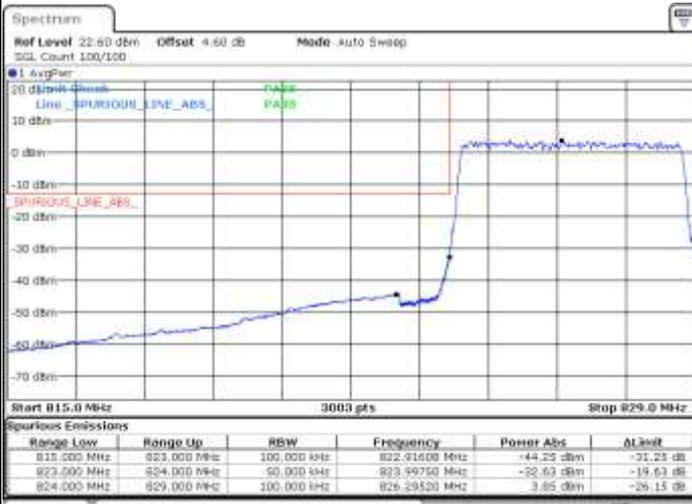
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

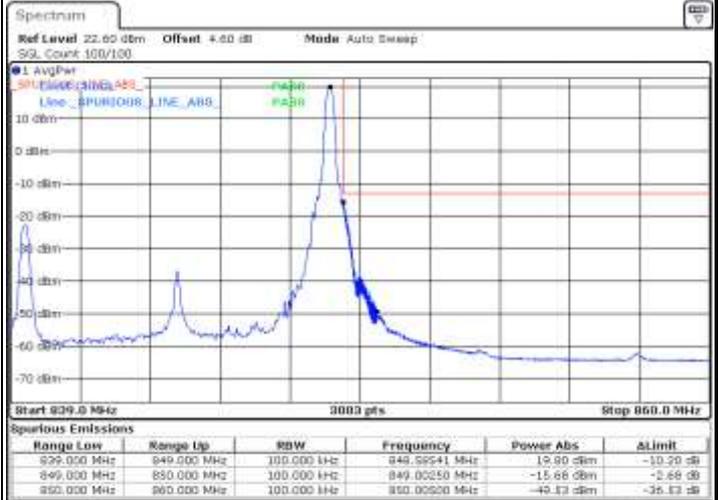
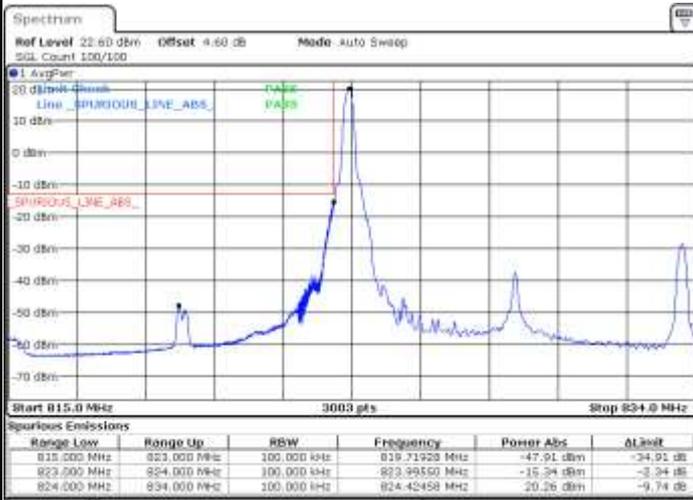




FR1 n5 / 10MHz / DFT-s-OFDM / PI/2 BPSK

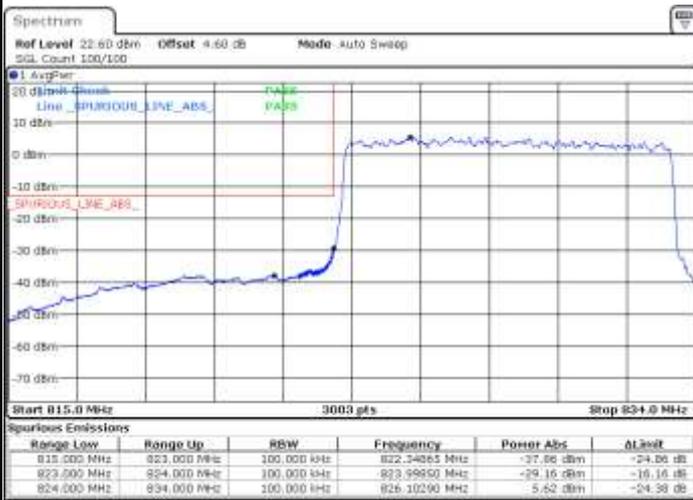
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

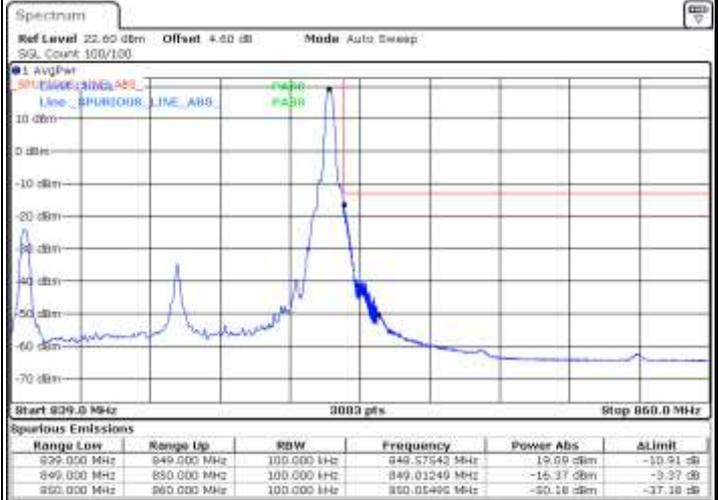
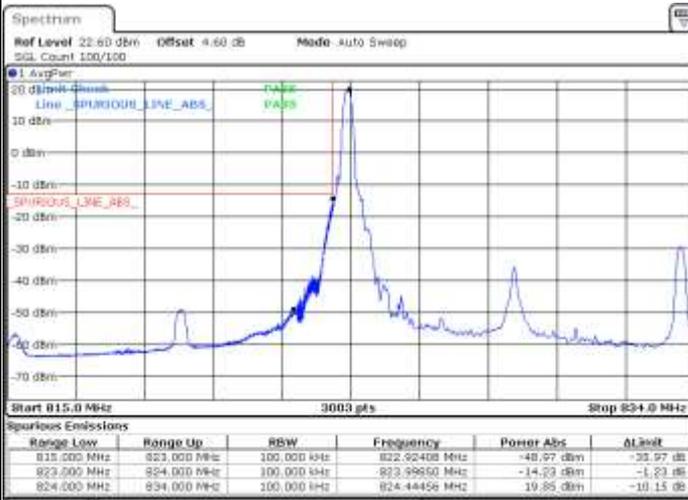




FR1 n5 / 10MHz / DFT-s-OFDM / QPSK

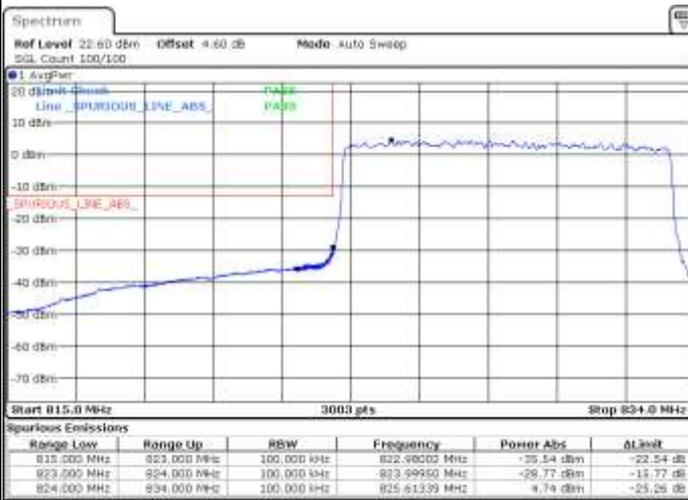
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

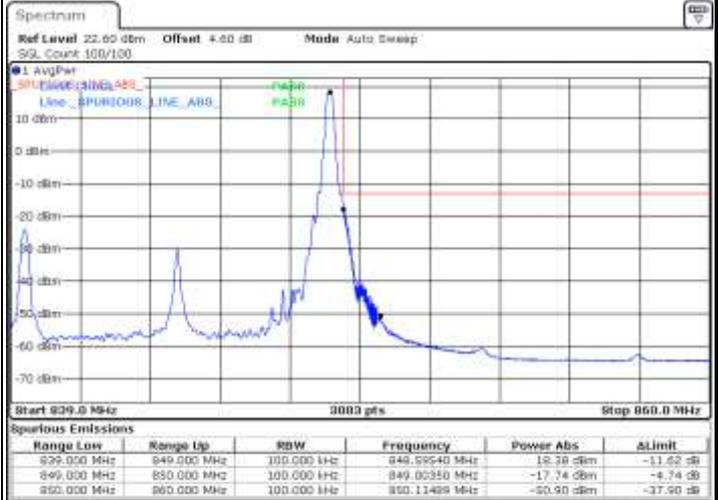
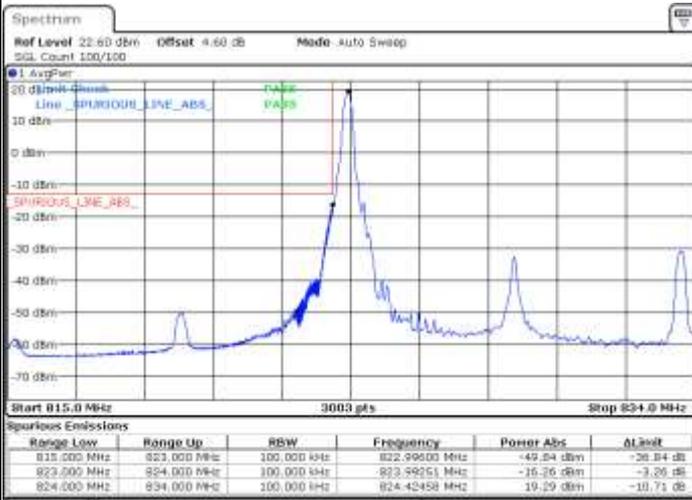




FR1 n5 / 10MHz / DFT-s-OFDM / 16QAM

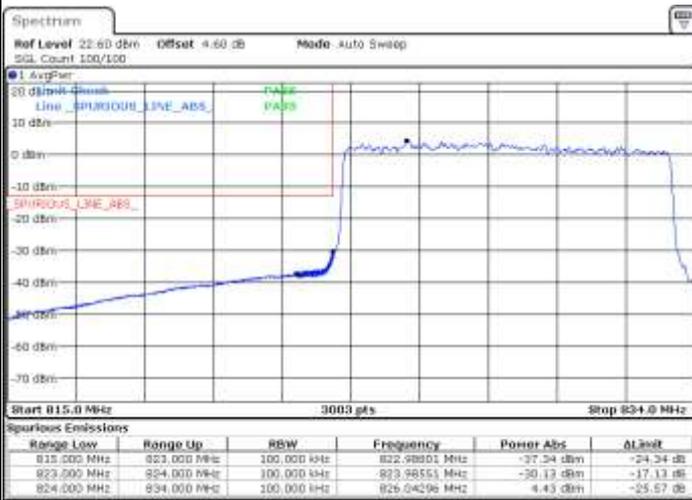
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

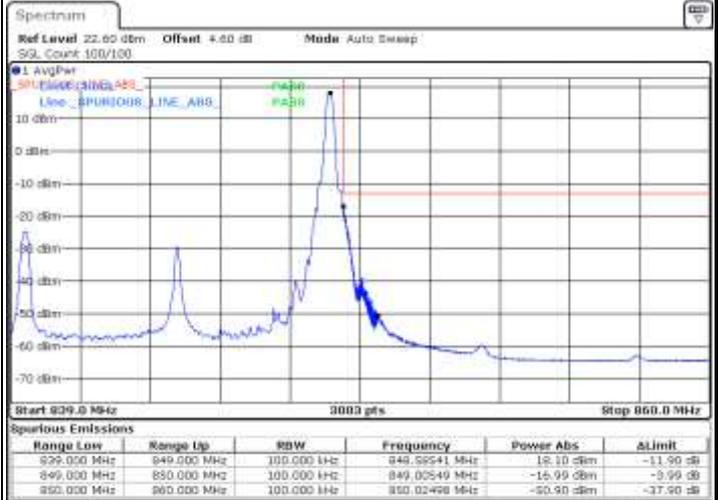
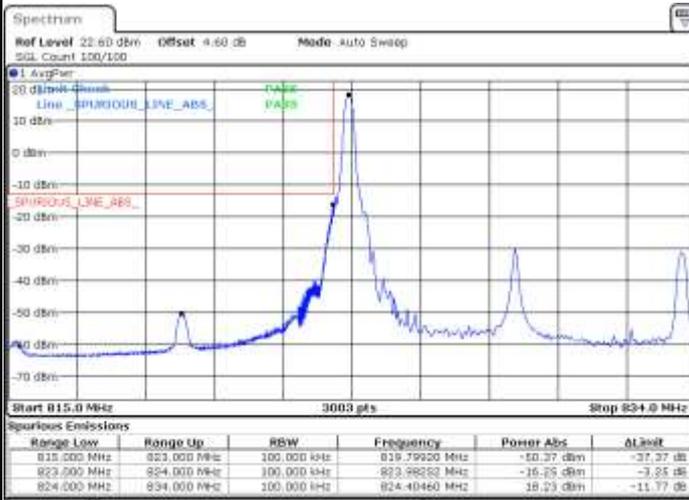




FR1 n5 / 10MHz / DFT-s-OFDM / 64QAM

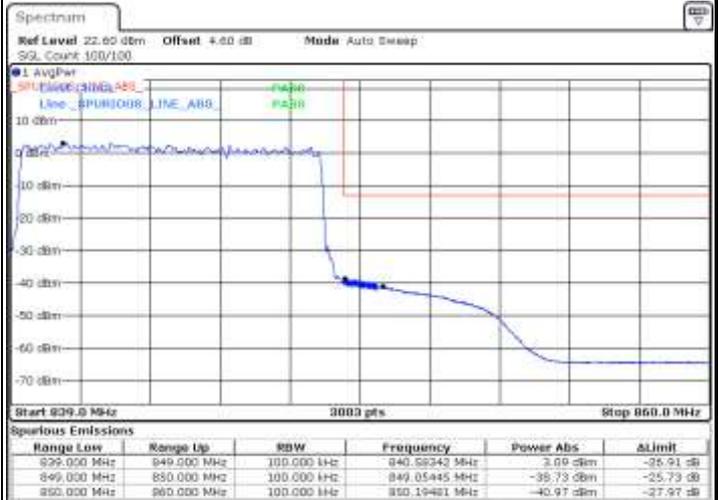
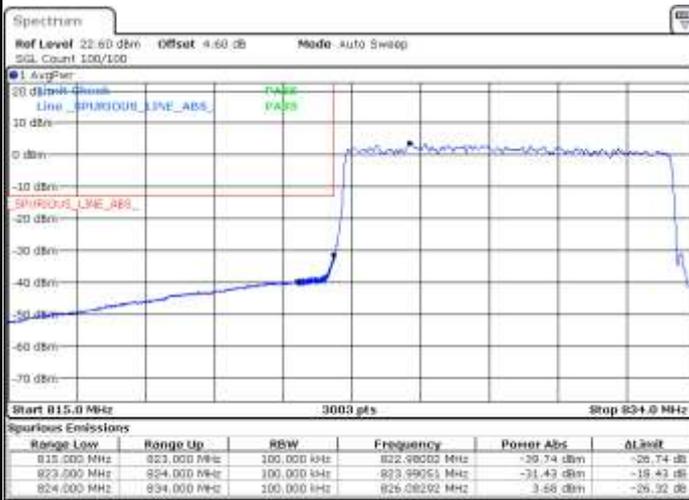
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

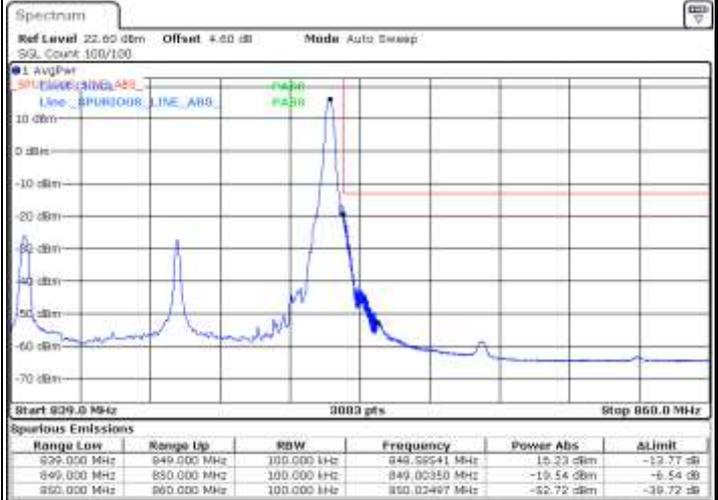
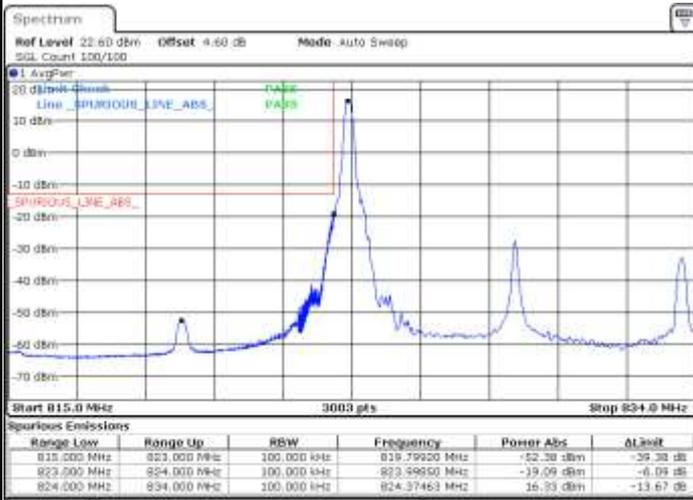




FR1 n5 / 10MHz / DFT-s-OFDM / 256QAM

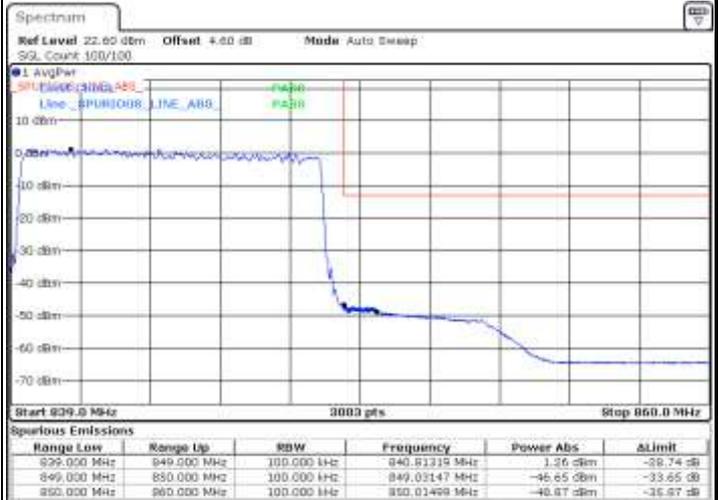
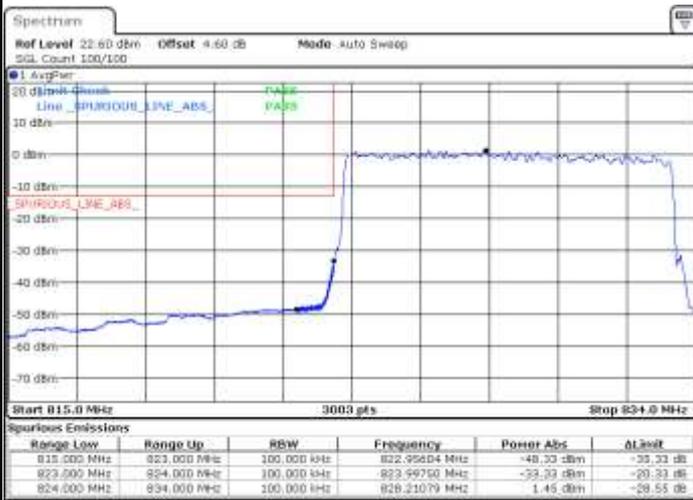
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

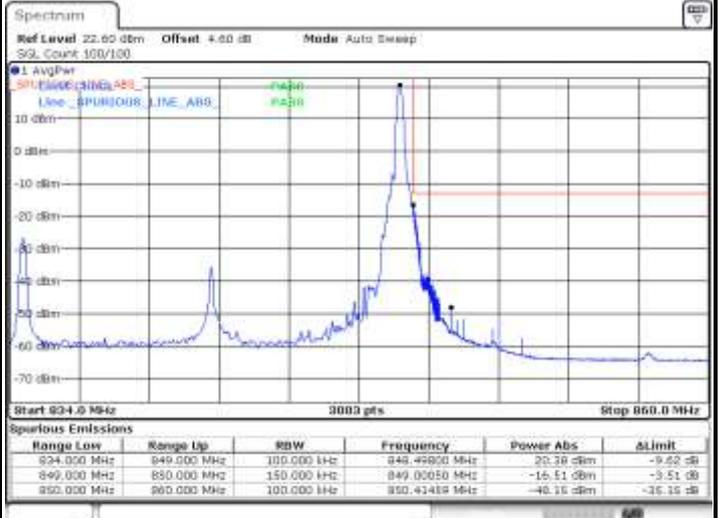
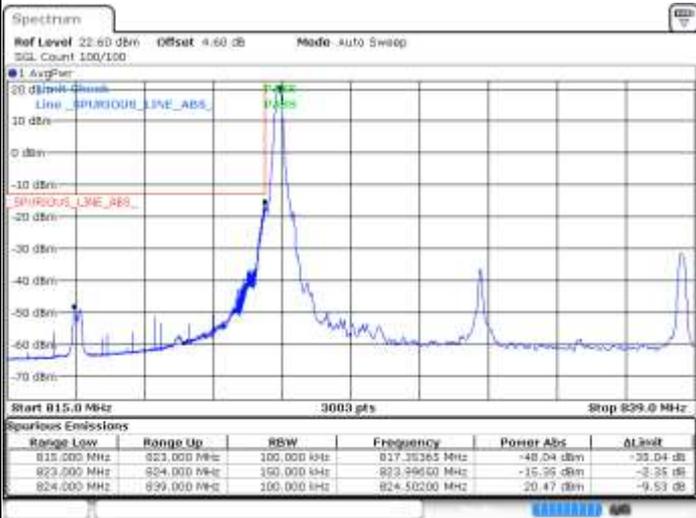




FR1 n5 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

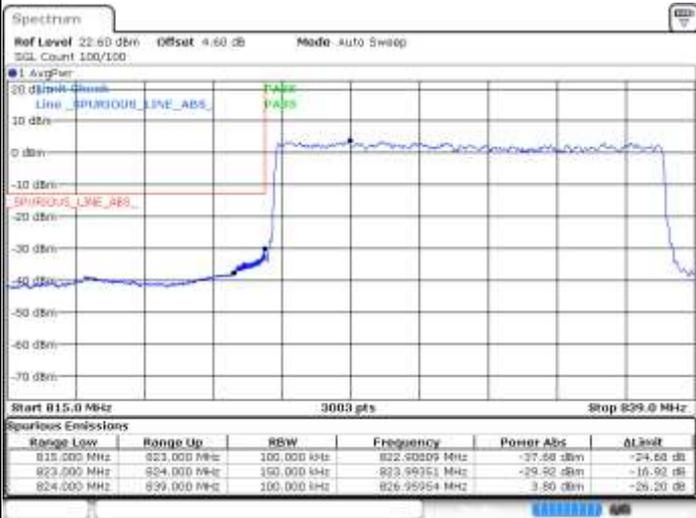


Date: 17 NOV 2020 09:11:22

Date: 18 NOV 2020 19:15:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 NOV 2020 09:04:53

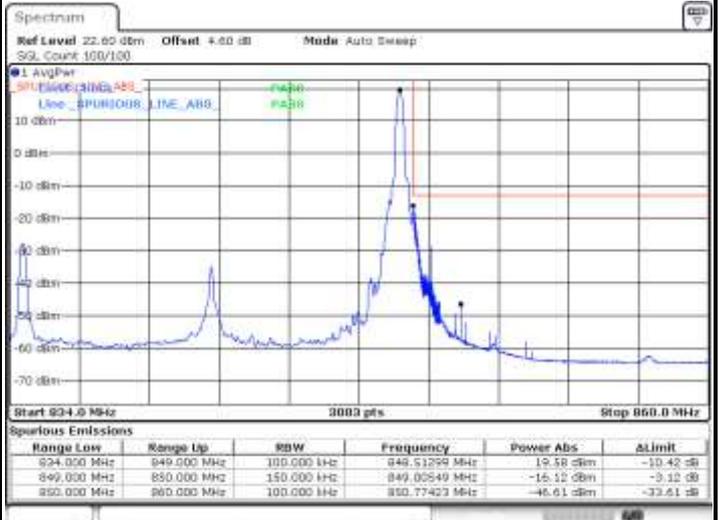
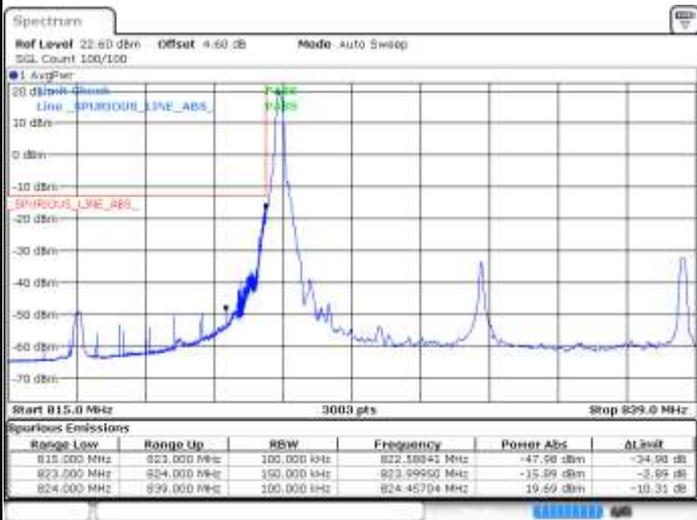
Date: 18 NOV 2020 20:11:22



FR1 n5 / 15MHz / DFT-s-OFDM / QPSK

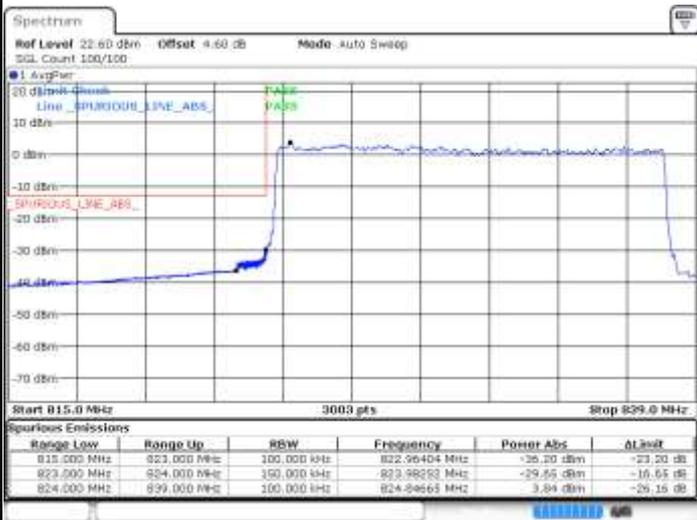
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

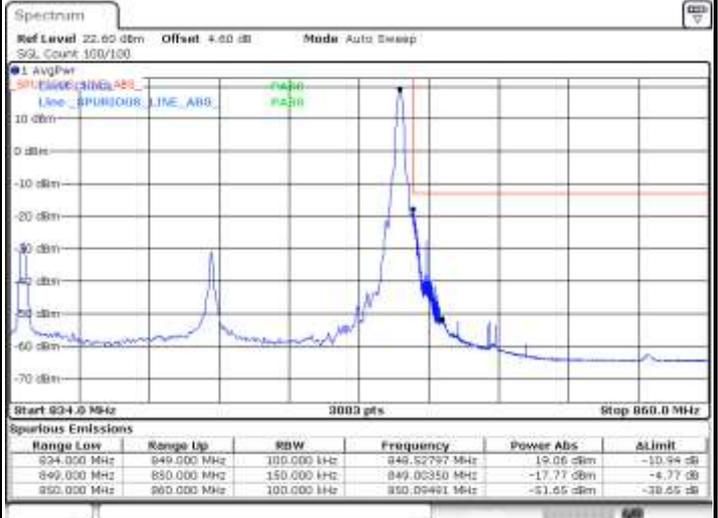
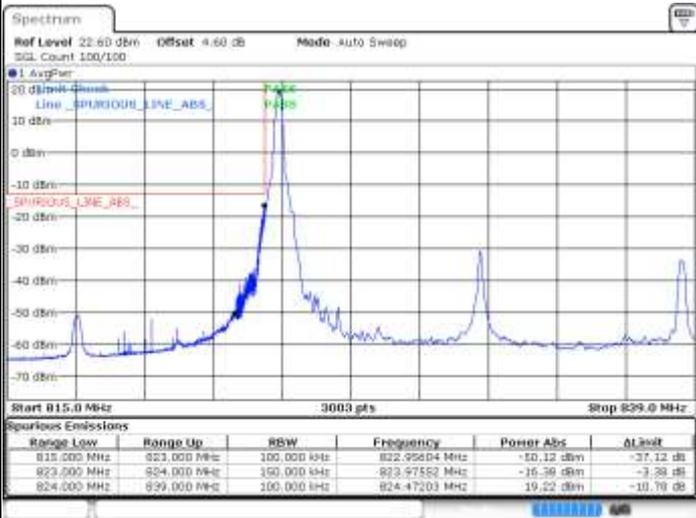




FR1 n5 / 15MHz / DFT-s-OFDM / 16QAM

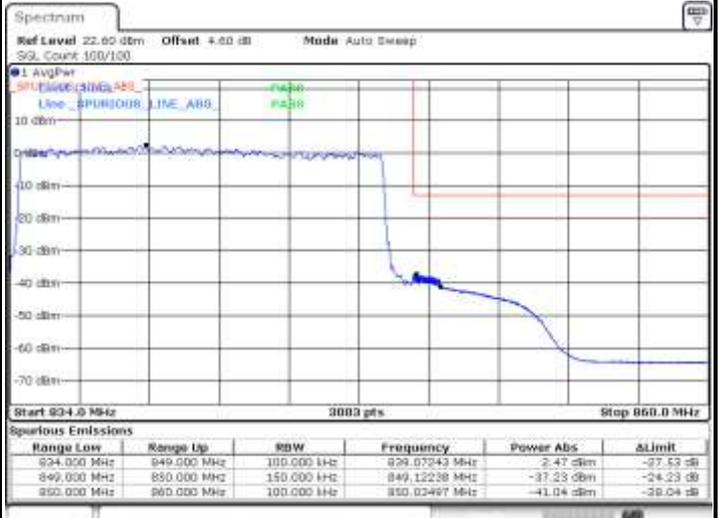
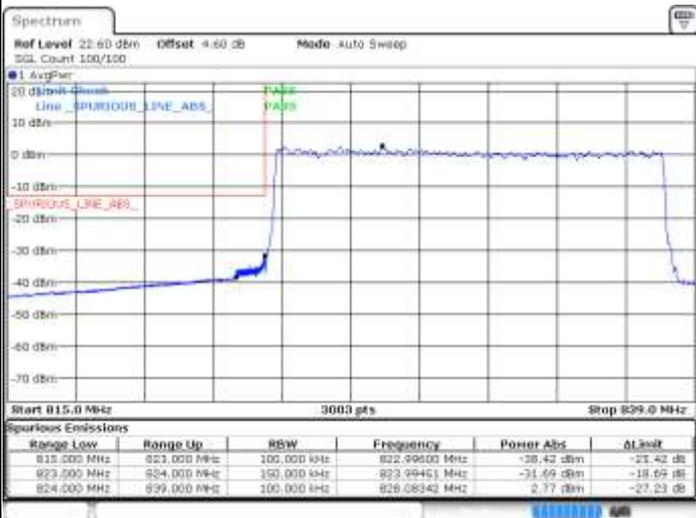
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

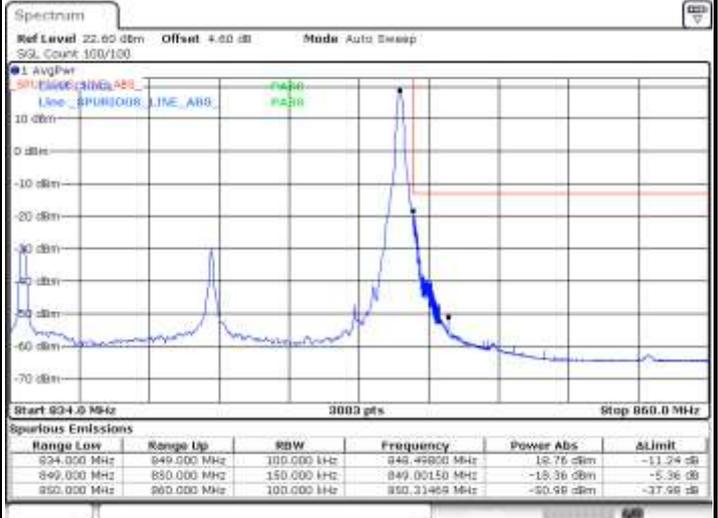
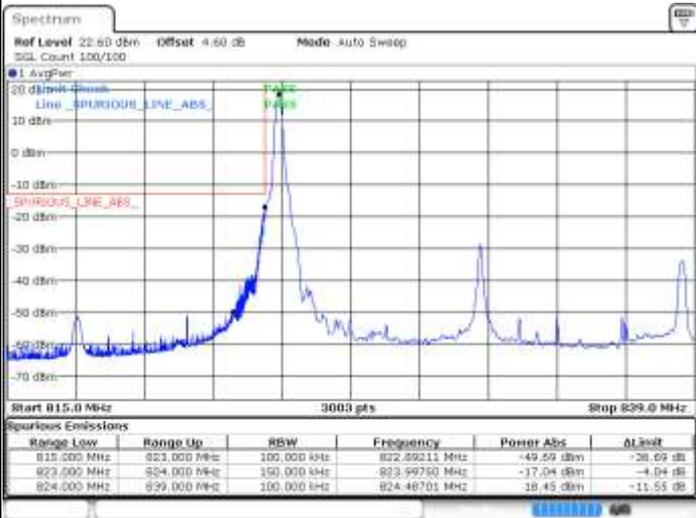




FR1 n5 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

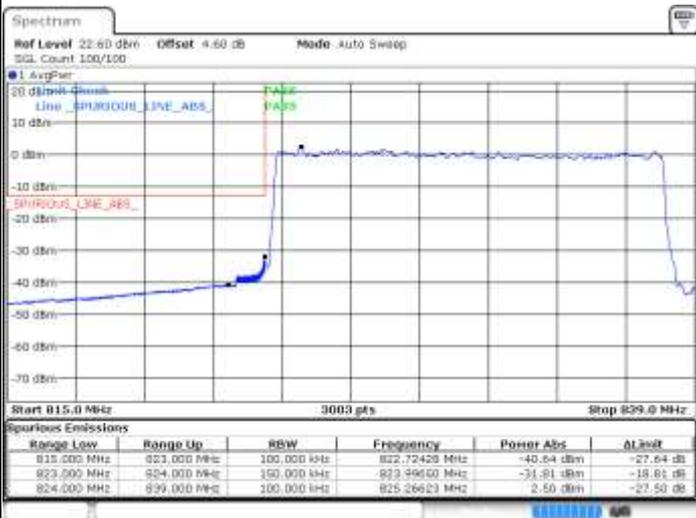


Date: 17 NOV 2020 09:09:16

Date: 18 NOV 2020 20:25:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 NOV 2020 09:07:10

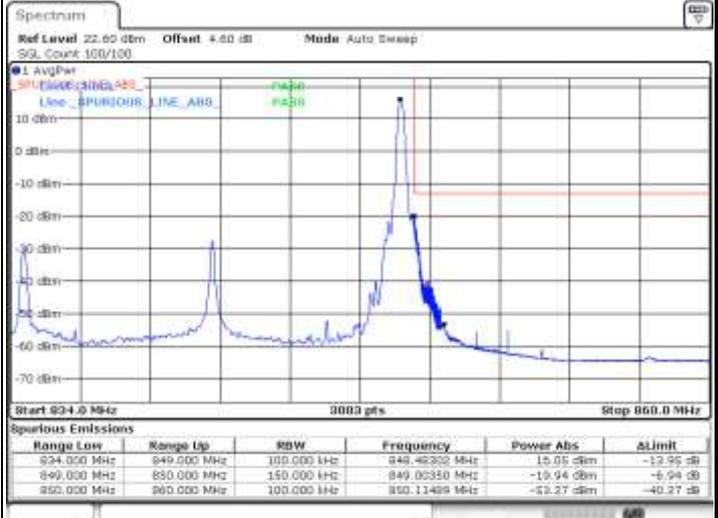
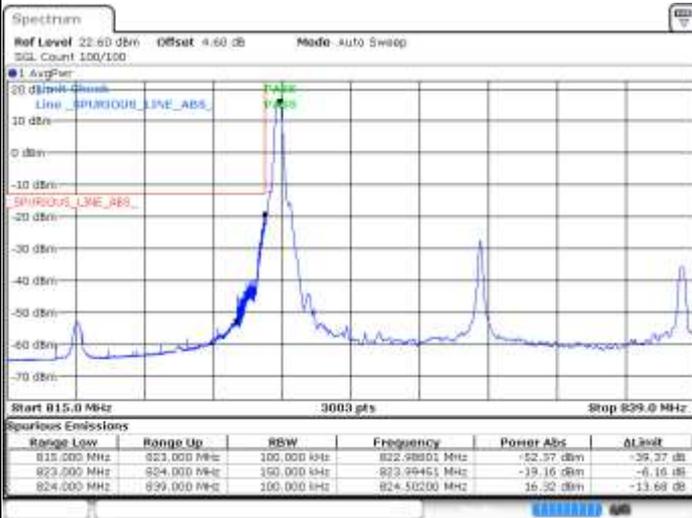
Date: 18 NOV 2020 20:28:22



FR1 n5 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

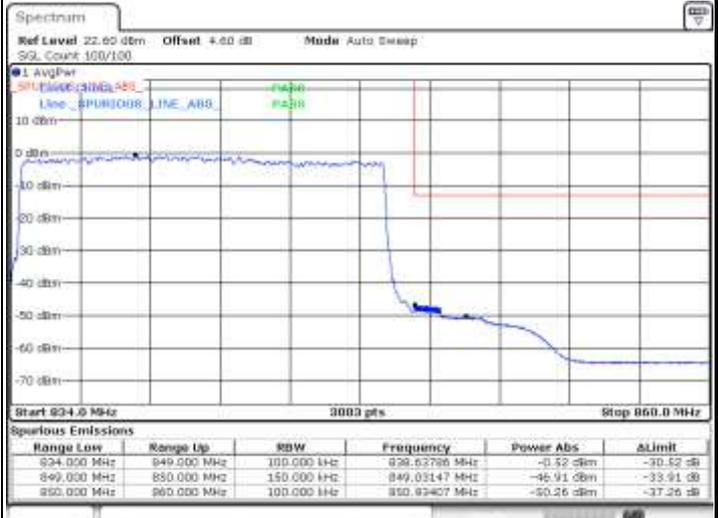
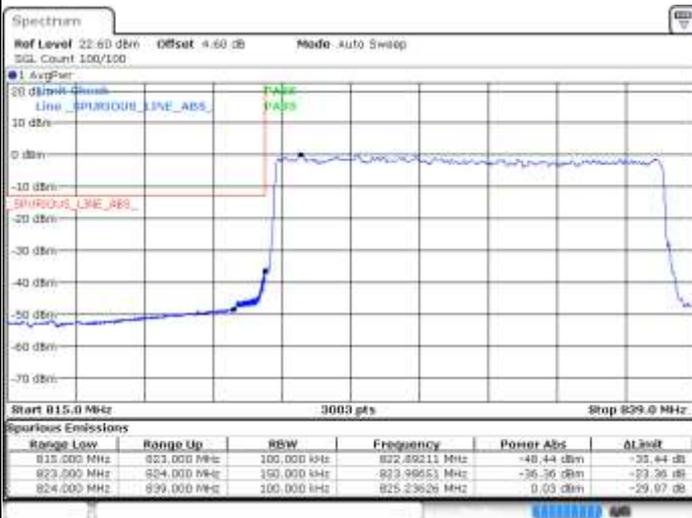


Date: 17 NOV 2020 09:09:33

Date: 18 NOV 2020 20:28:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 NOV 2020 09:07:52

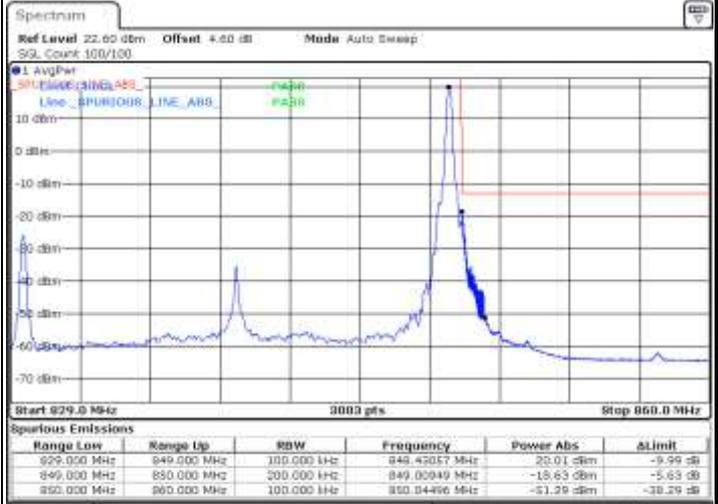
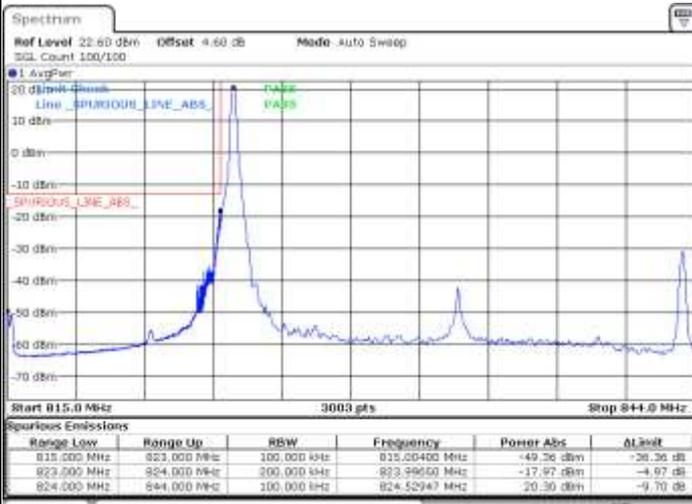
Date: 18 NOV 2020 20:27:44



FR1 n5 / 20MHz / DFT-s-OFDM / PI/2 BPSK

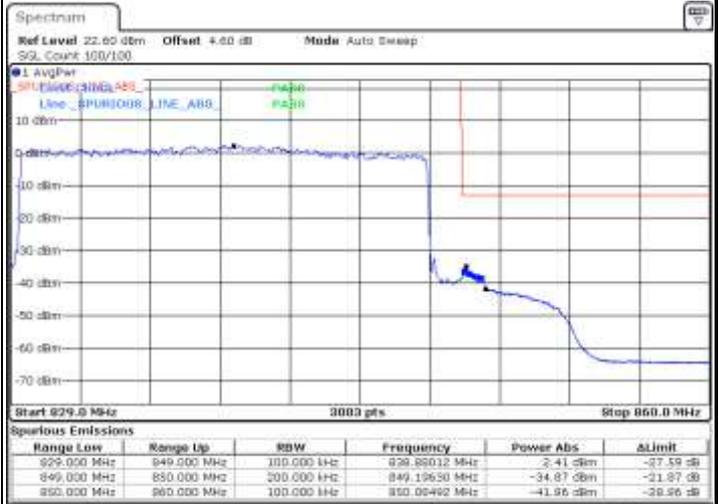
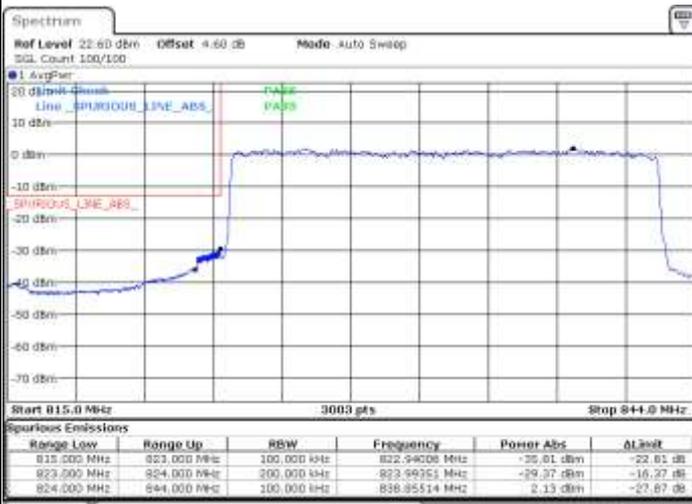
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

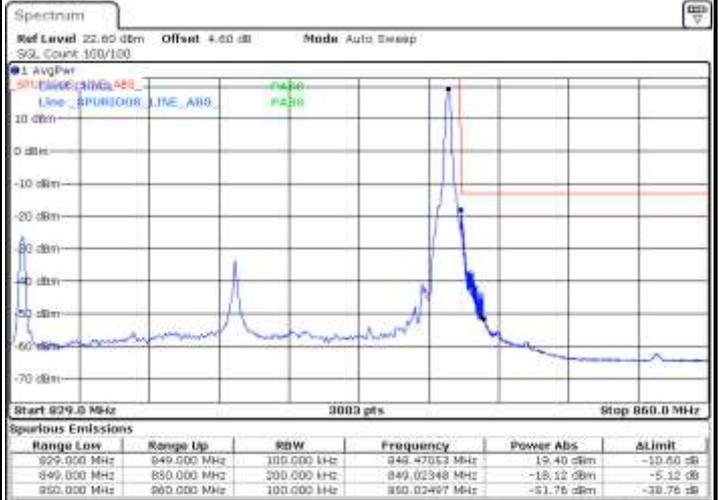
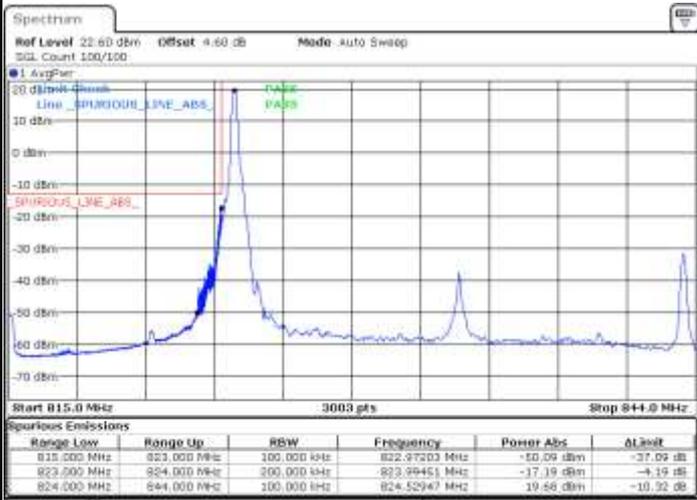




FR1 n5 / 20MHz / DFT-s-OFDM / QPSK

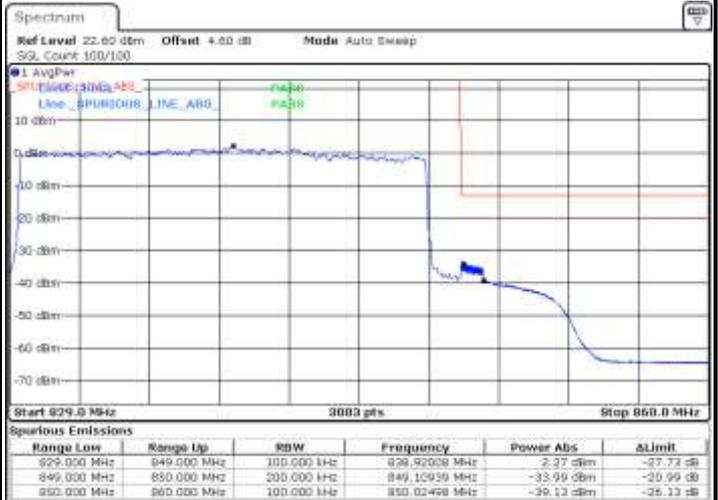
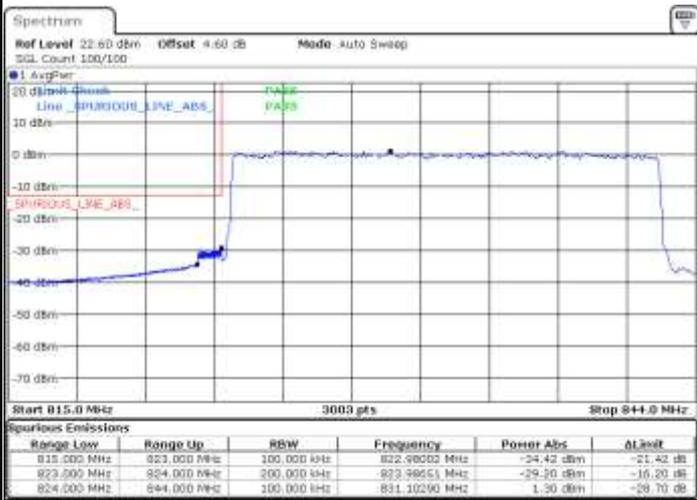
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

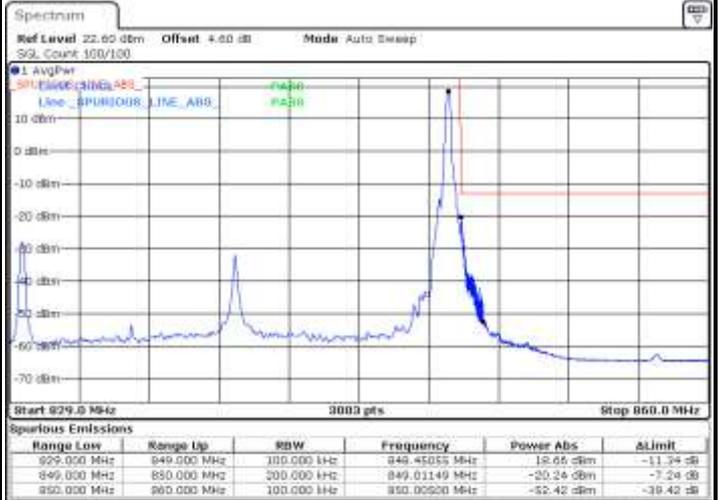
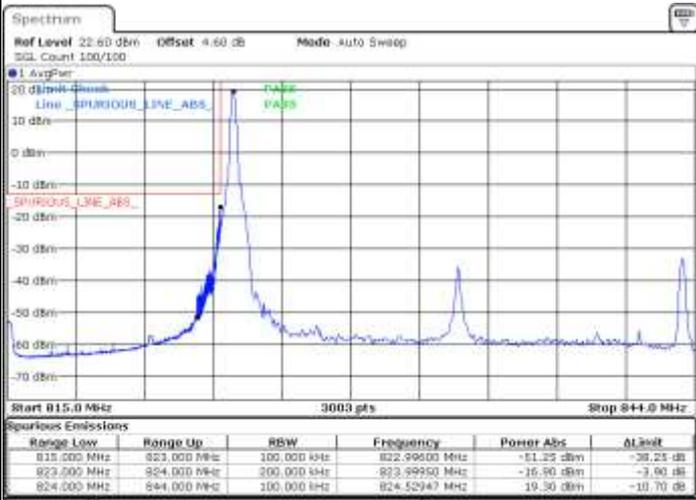




FR1 n5 / 20MHz / DFT-s-OFDM / 16QAM

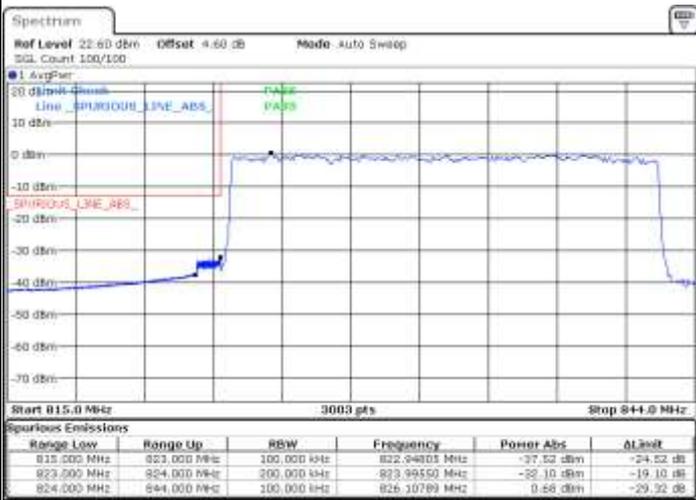
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

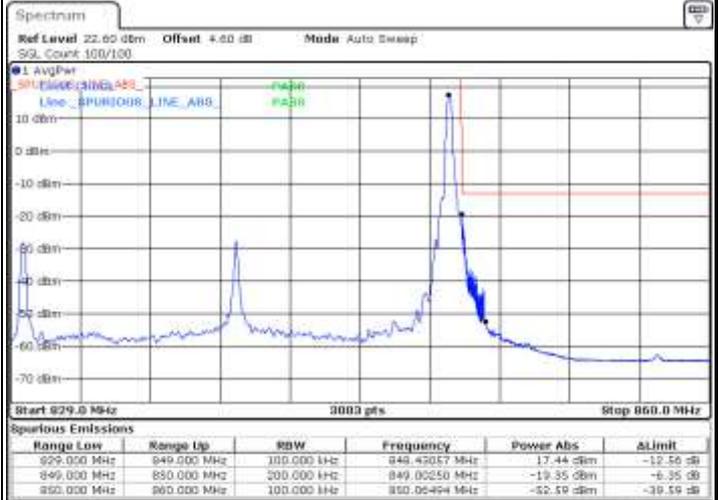
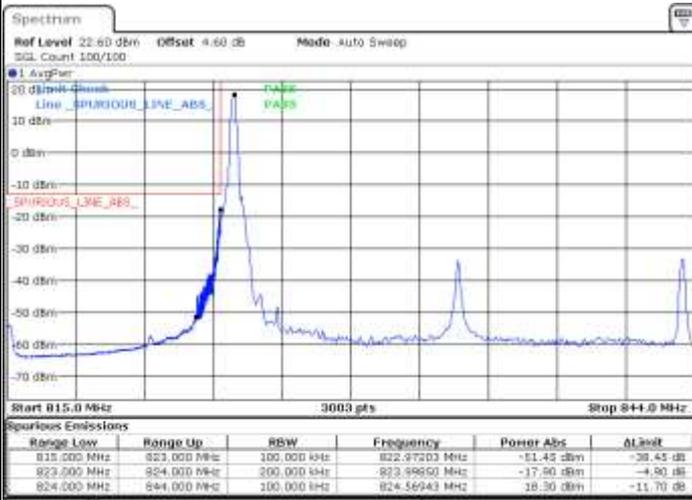




FR1 n5 / 20MHz / DFT-s-OFDM / 64QAM

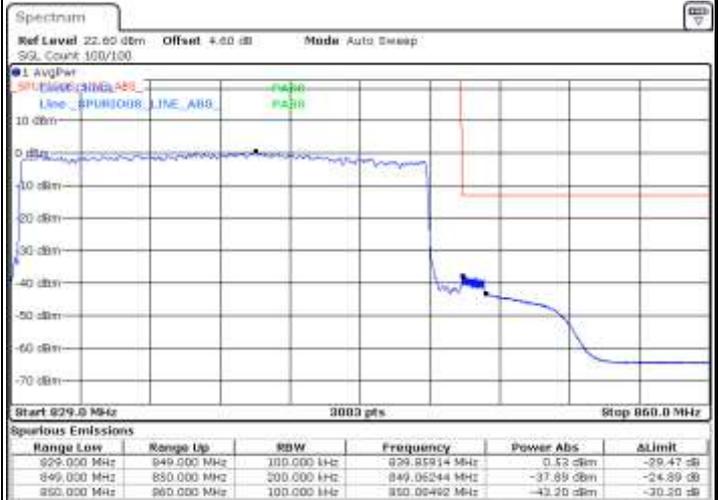
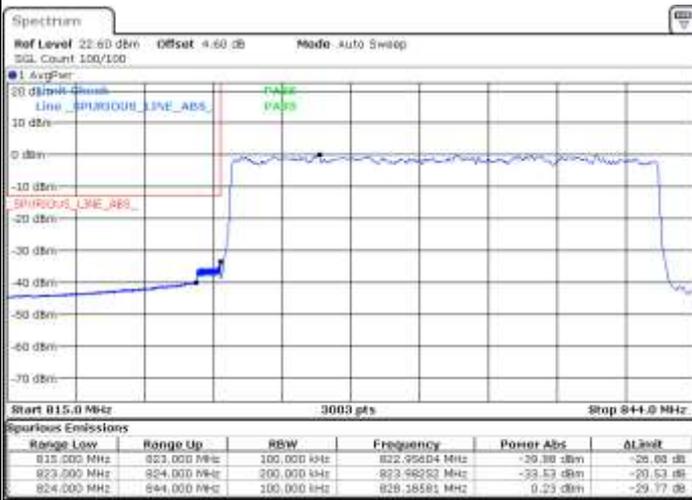
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

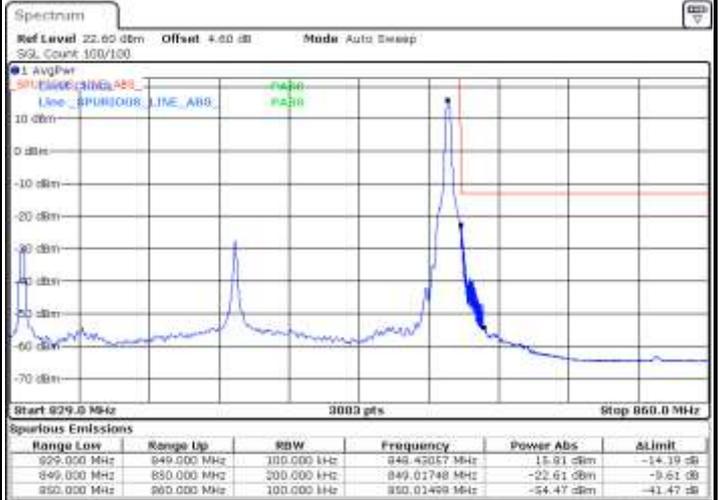
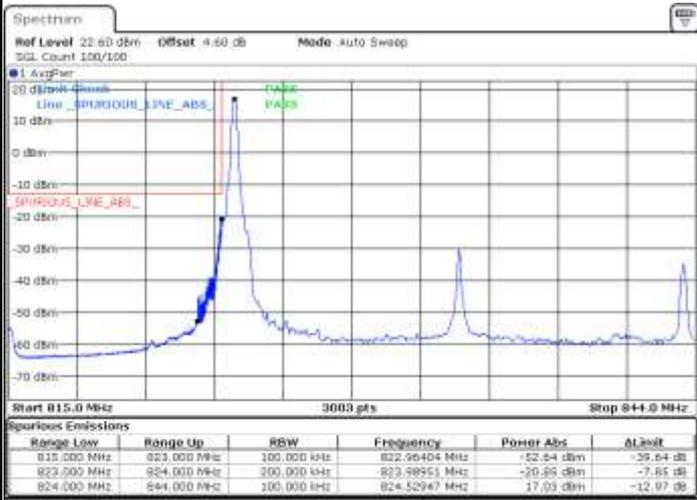




FR1 n5 / 20MHz / DFT-s-OFDM / 256QAM

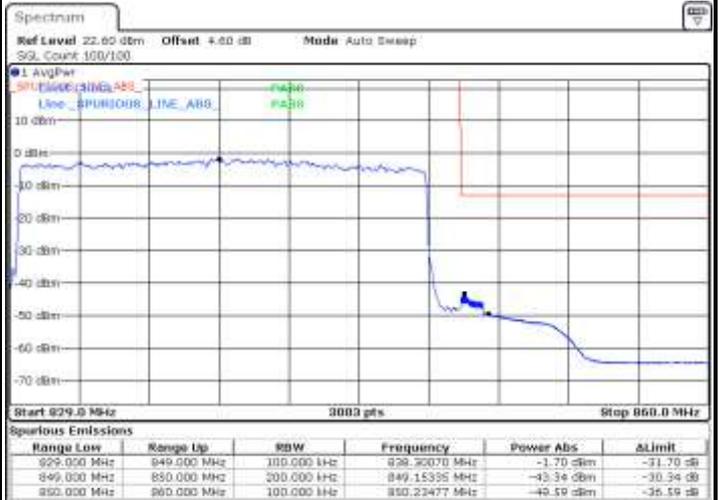
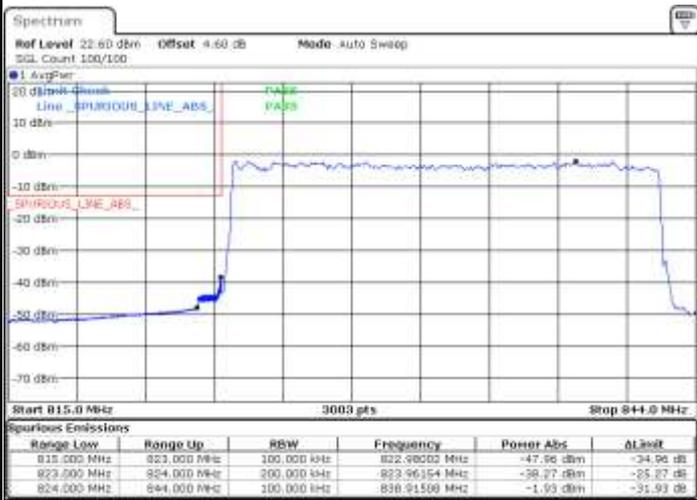
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



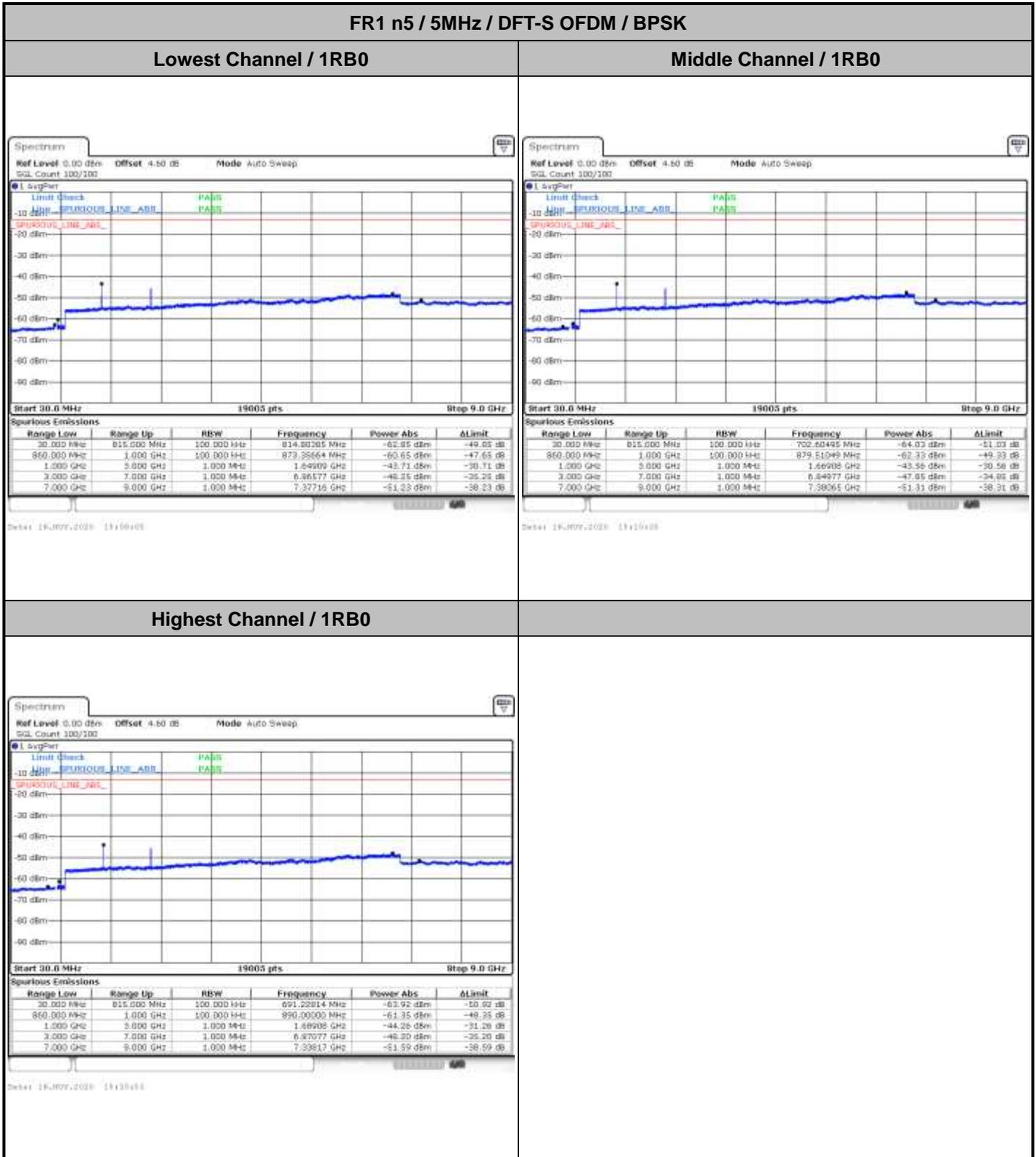
Lowest Band Edge / Full RB

Highest Band Edge / Full RB





# Conducted Spurious Emission

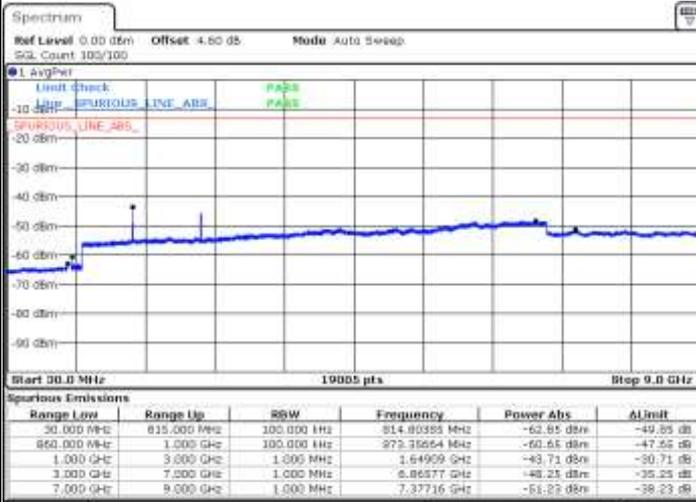




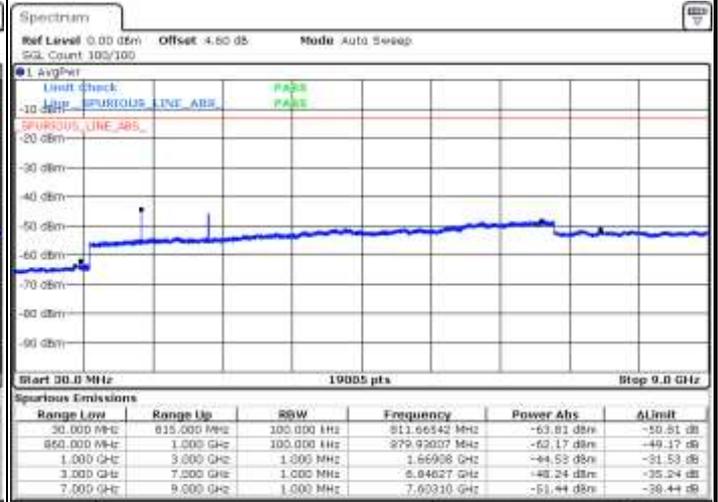
FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

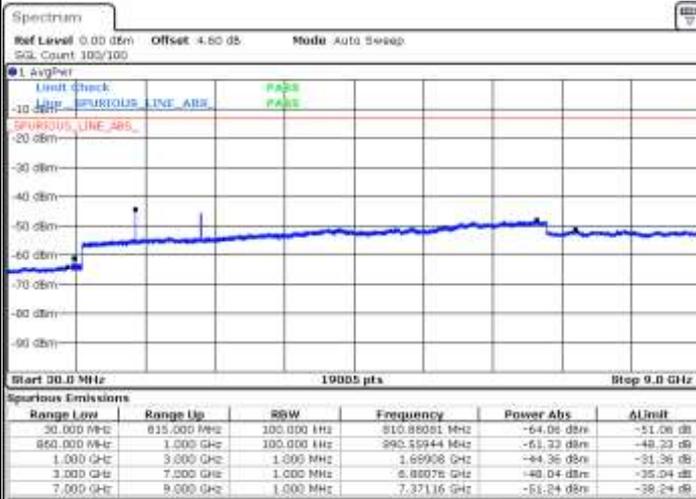


Date: 16,007,2020 15:08:03



Date: 16,007,2020 15:11:22

Highest Channel / 1RB0



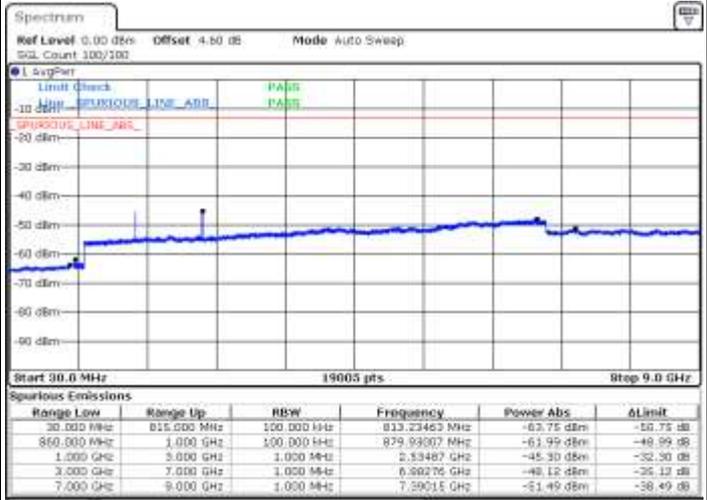
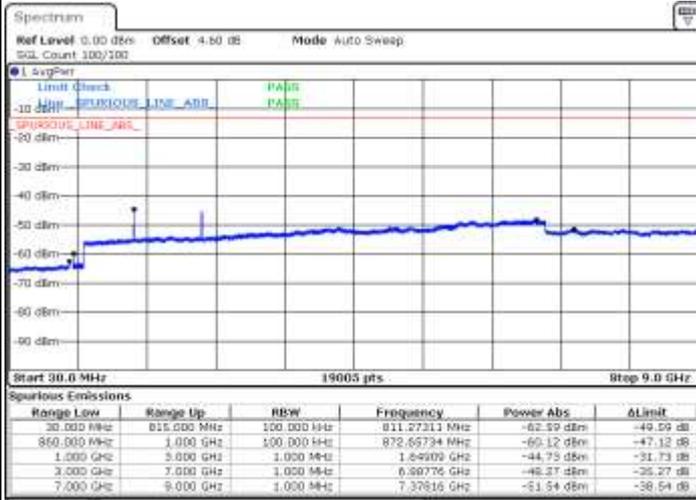
Date: 16,007,2020 15:10:07



FR1 n5 / 5MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

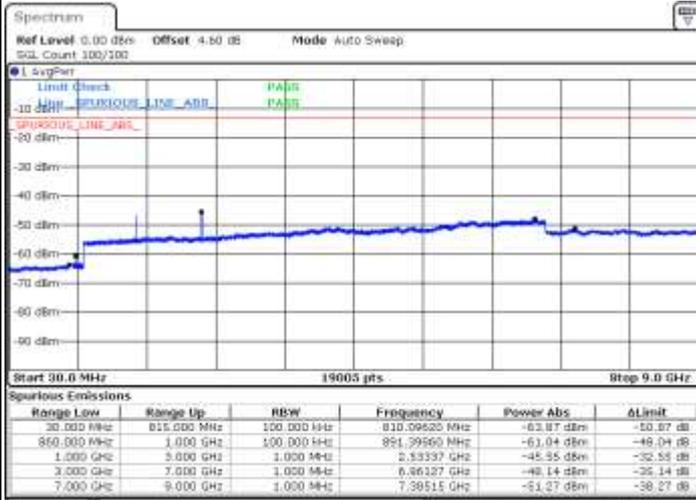
Middle Channel / 1RB0



Detail FR1\_007\_2020 13:57:17

Detail FR1\_007\_2020 13:12:20

Highest Channel / 1RB0



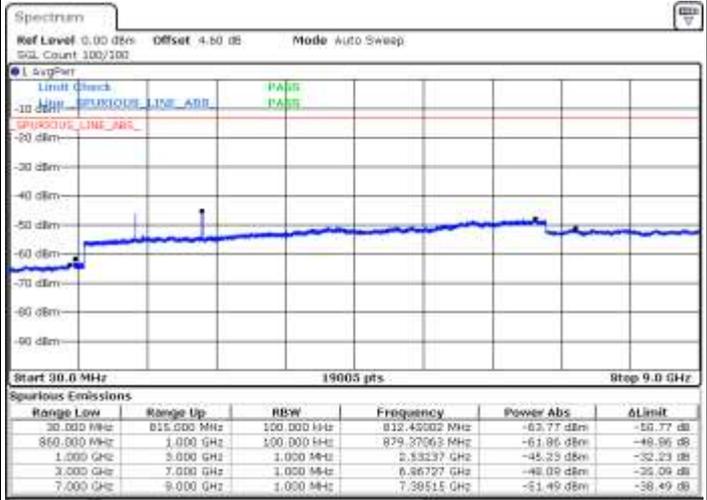
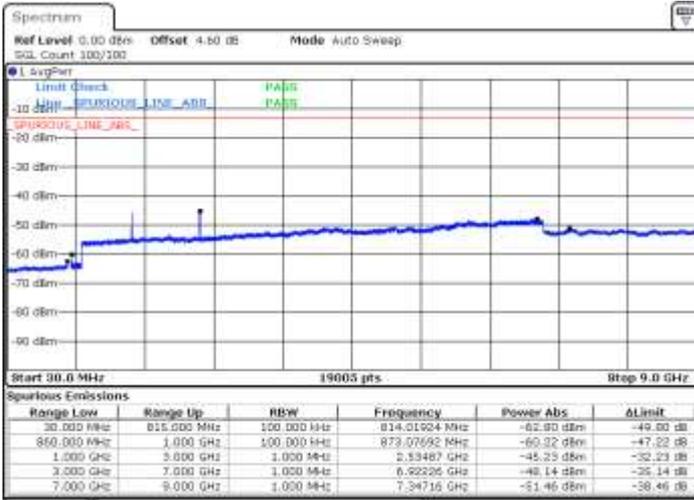
Detail FR1\_007\_2020 13:34:13



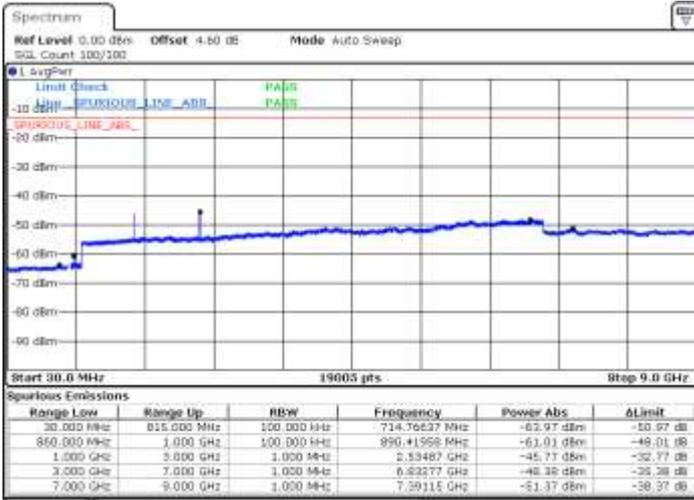
FR1 n5 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

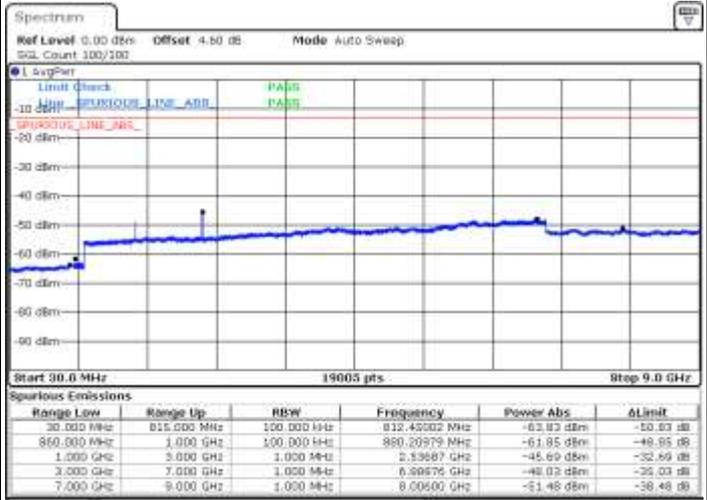
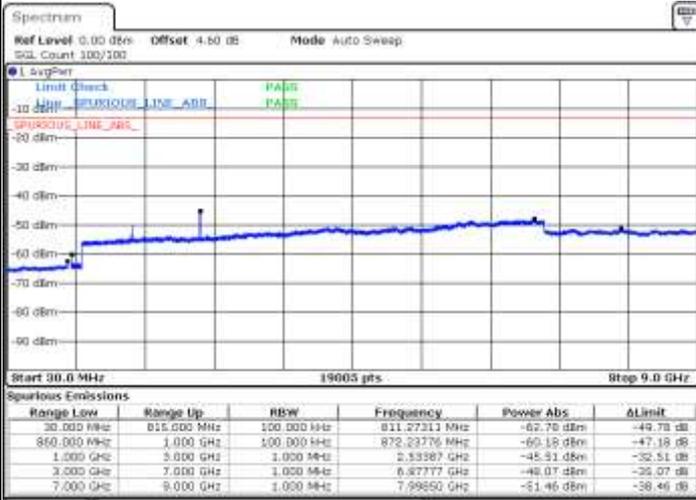




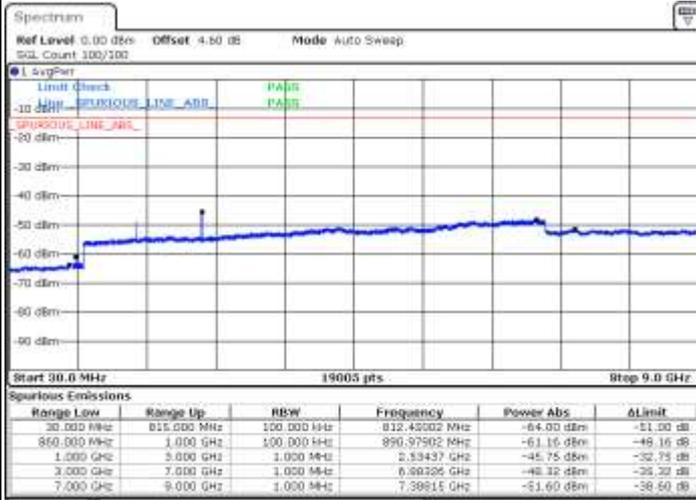
FR1 n5 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

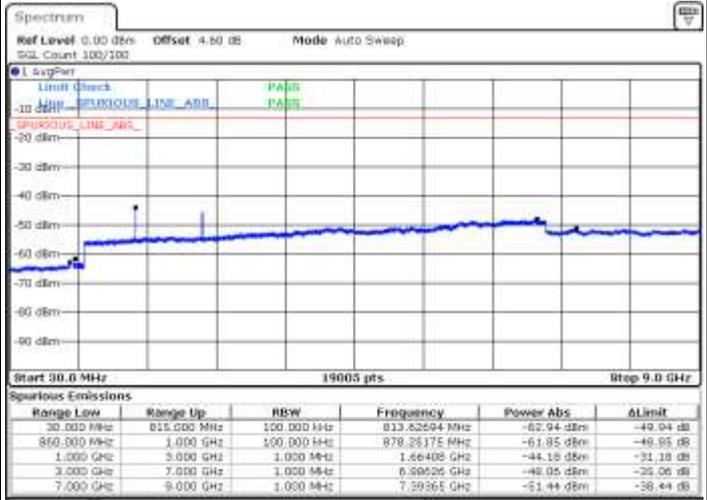
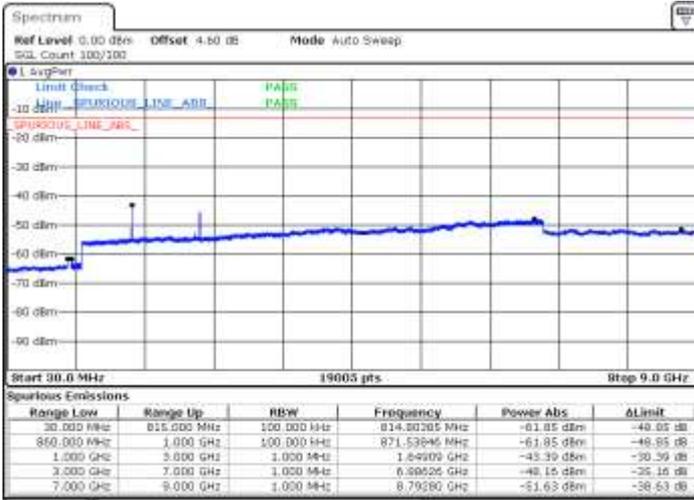




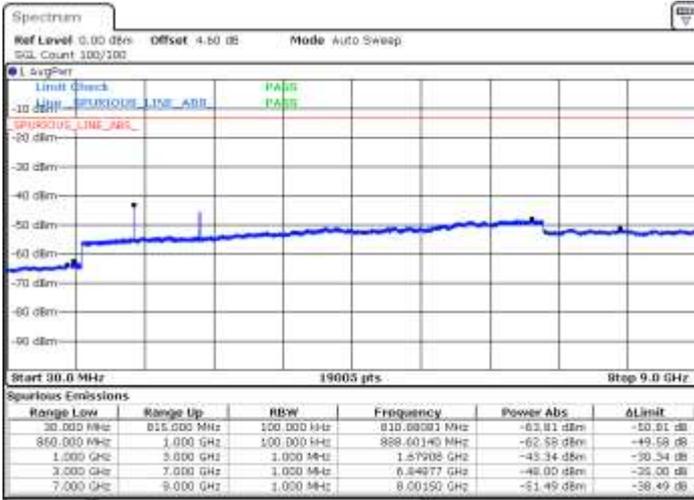
FR1 n5 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

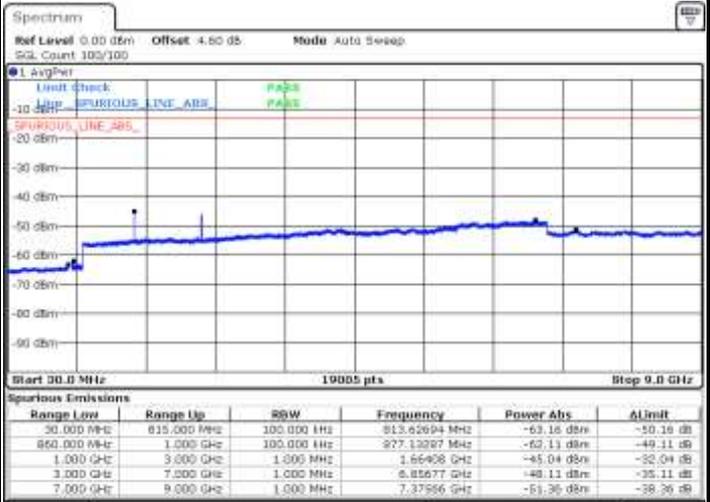
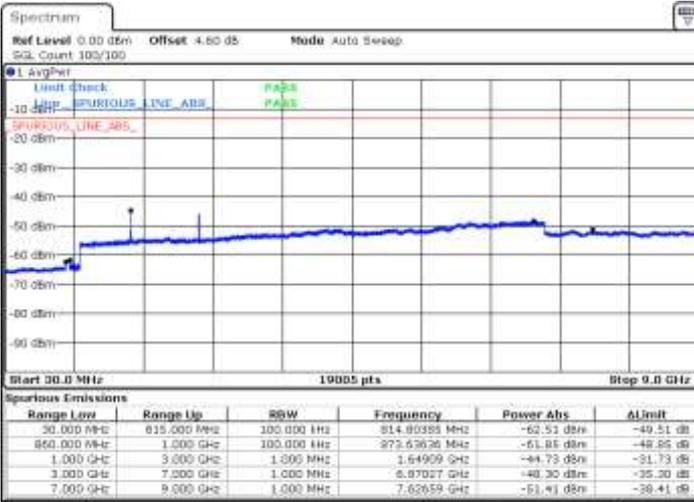




FR1 n5 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

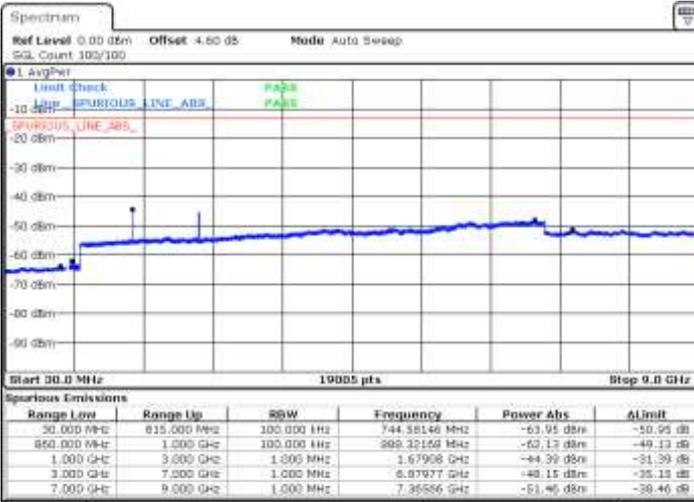
Middle Channel / 1RB0



Date: 16/07/2020 16:44:03

Date: 16/07/2020 16:44:27

Highest Channel / 1RB0



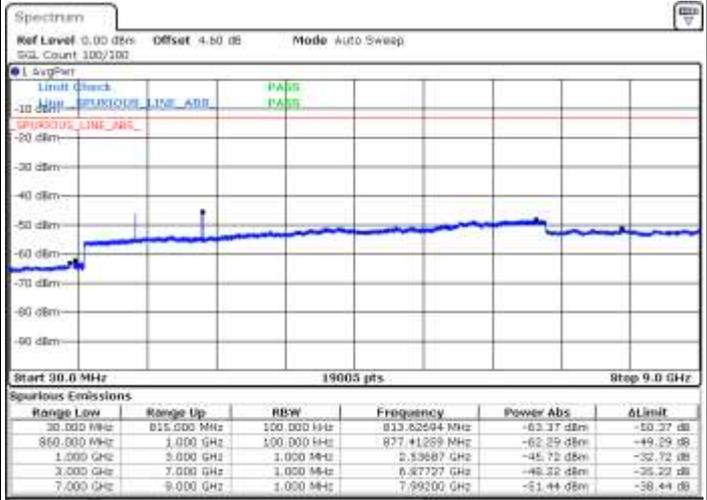
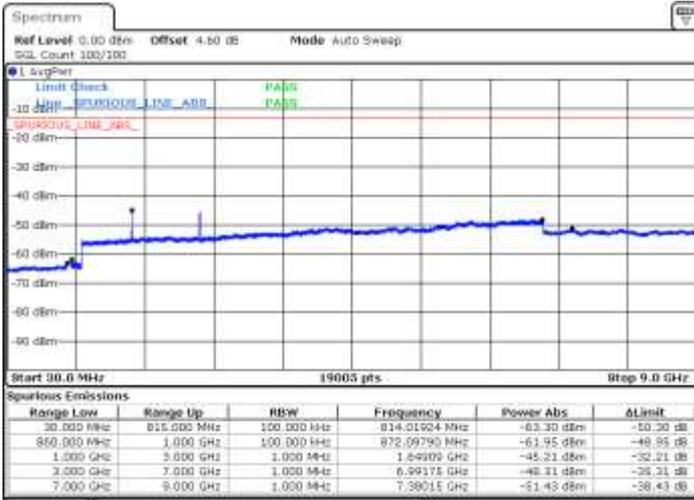
Date: 16/07/2020 16:29:53



FR1 n5 / 10MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

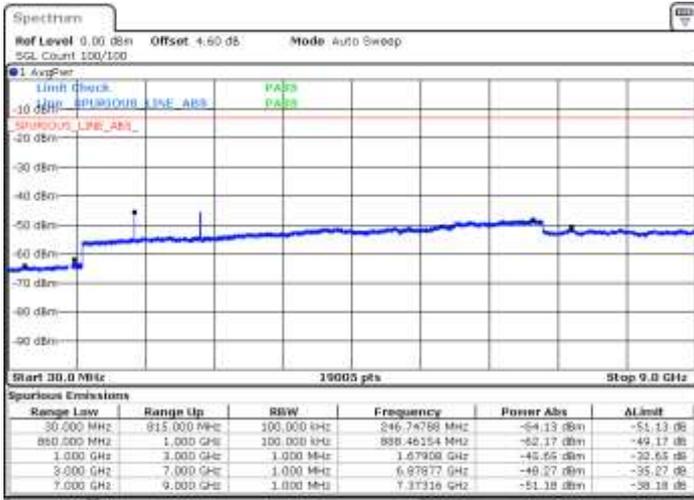
Middle Channel / 1RB0



Date: 18.07.2020 14:32:04

Date: 18.07.2020 14:05:12

Highest Channel / 1RB0



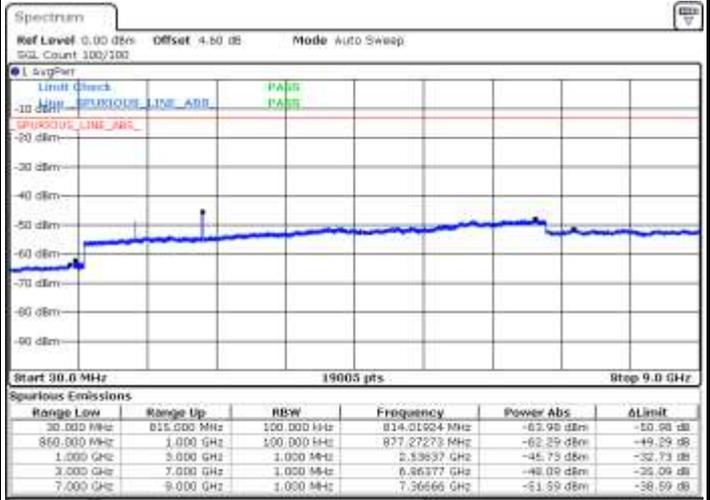
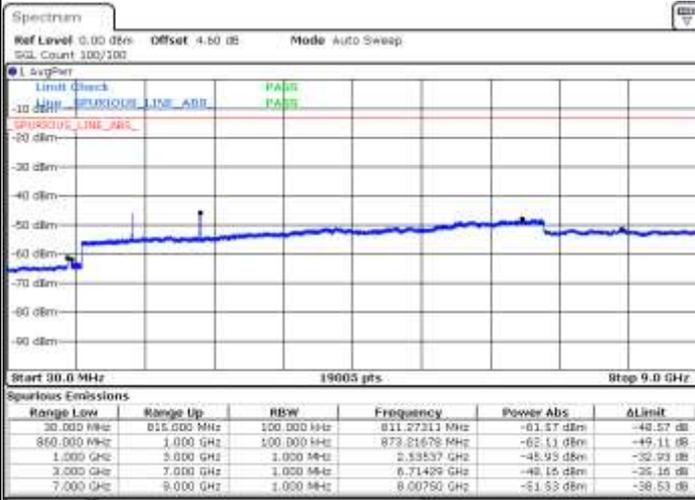
Date: 18.07.2020 14:01:10



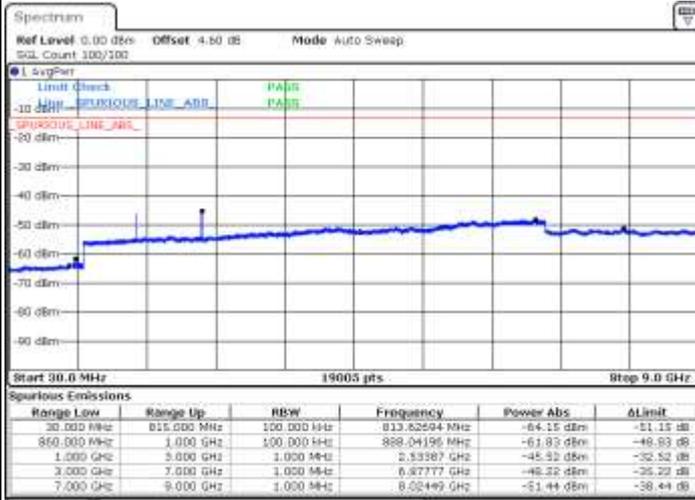
FR1 n5 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

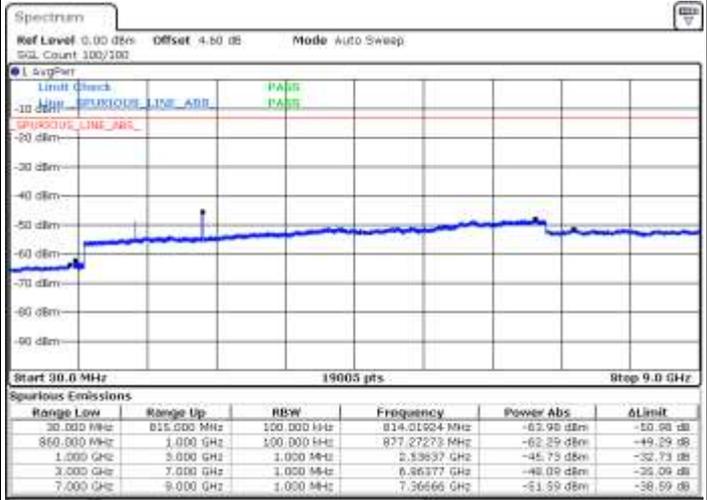
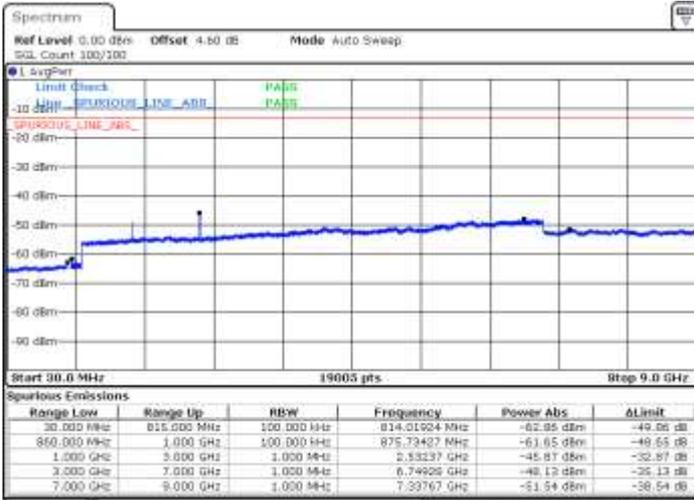




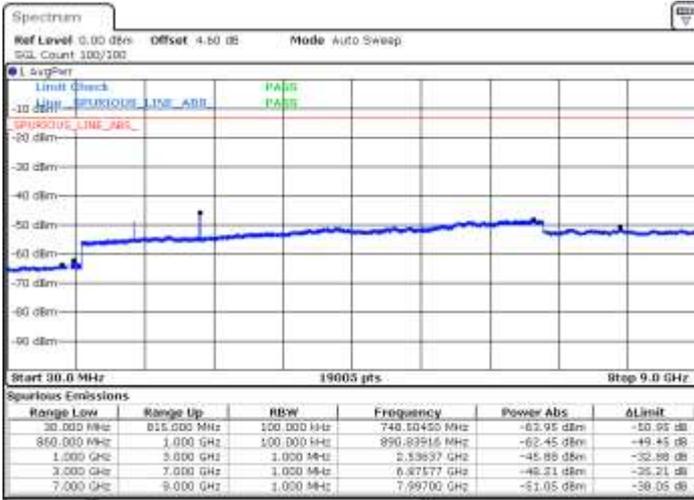
FR1 n5 / 10MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

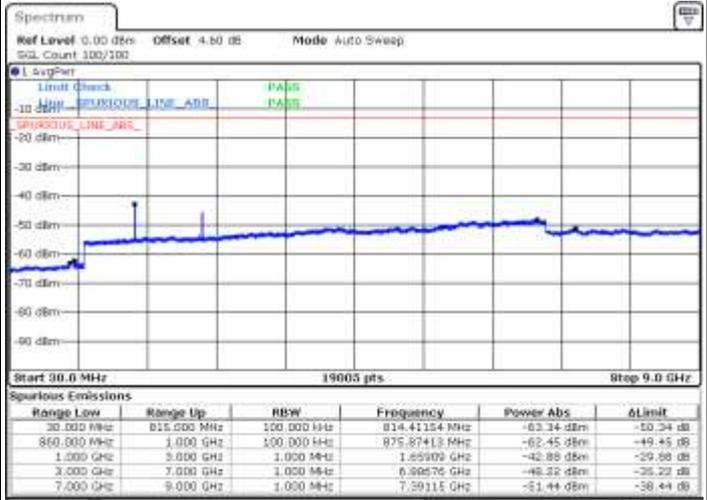
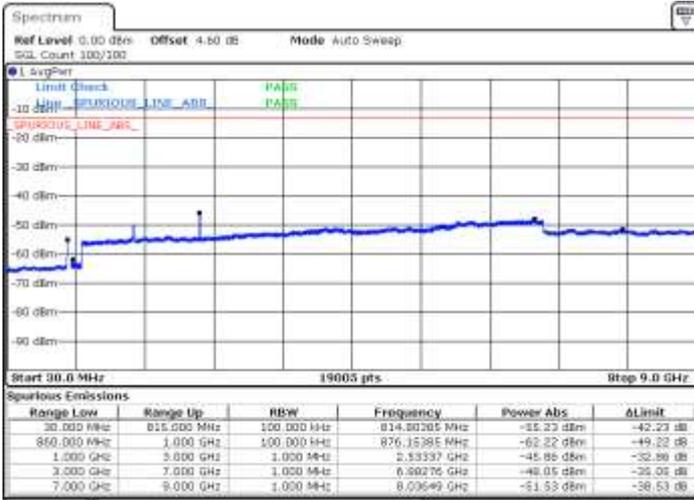




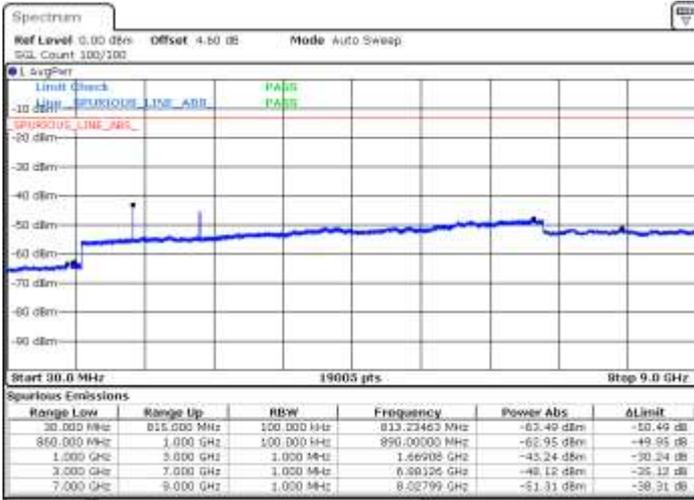
FR1 n5 / 15MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

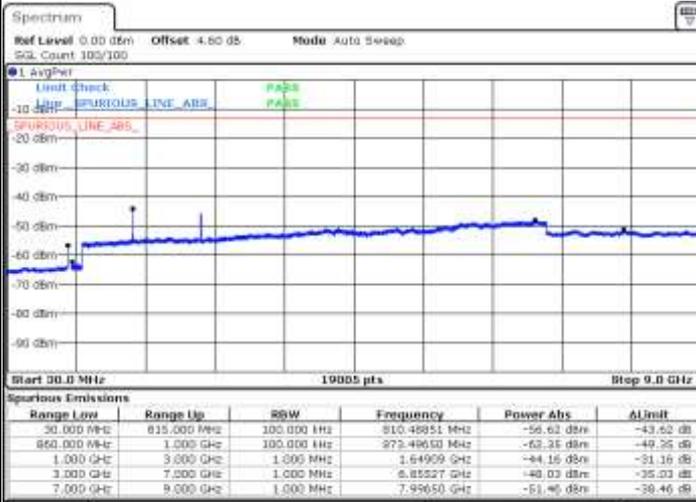




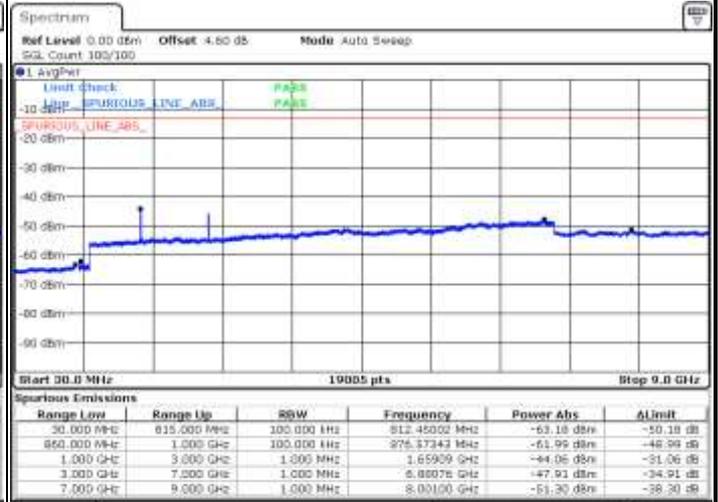
FR1 n5 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

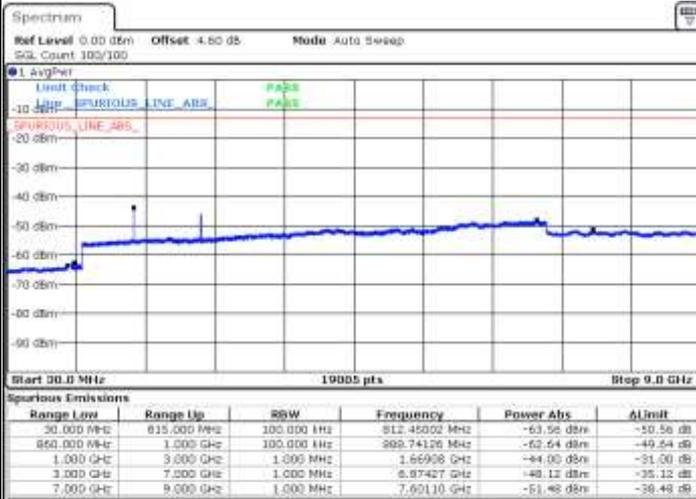


Date: 16,007,2020 10:54:34



Date: 16,007,2020 10:44:37

Highest Channel / 1RB0



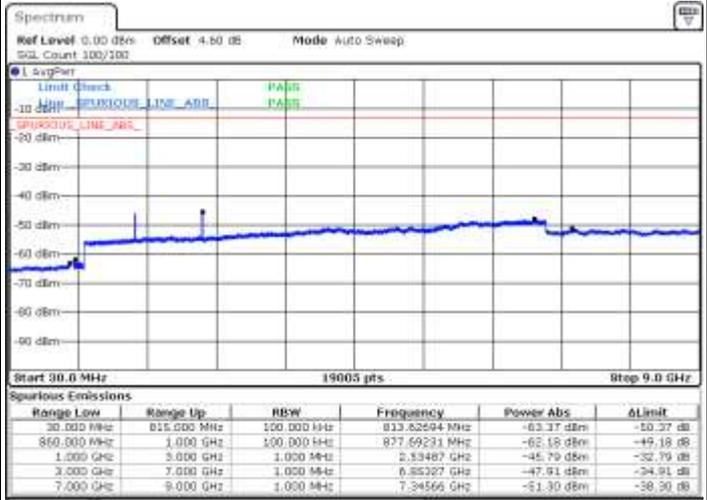
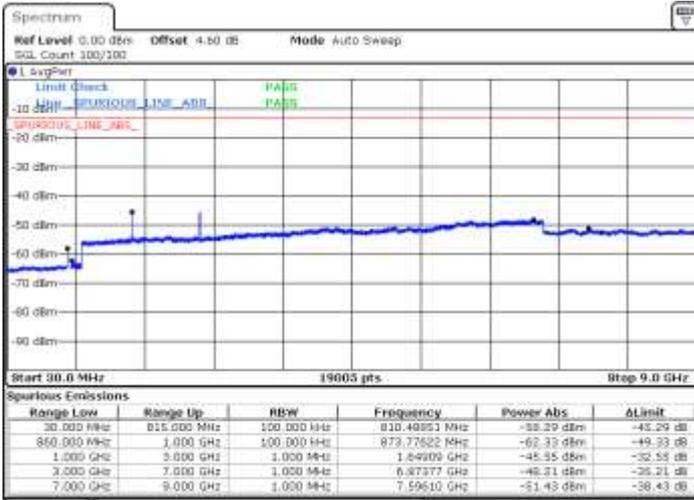
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FR1 n5 / 15MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

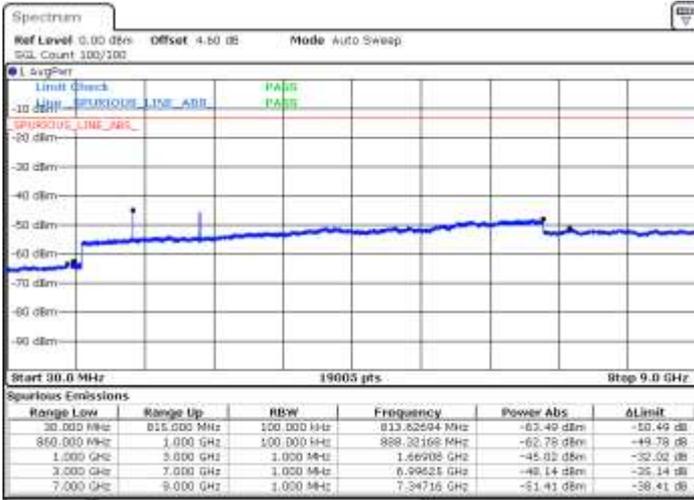
Middle Channel / 1RB0



Detail: 18.10.07.2020 20:35:08

Detail: 18.10.07.2020 20:40:18

Highest Channel / 1RB0



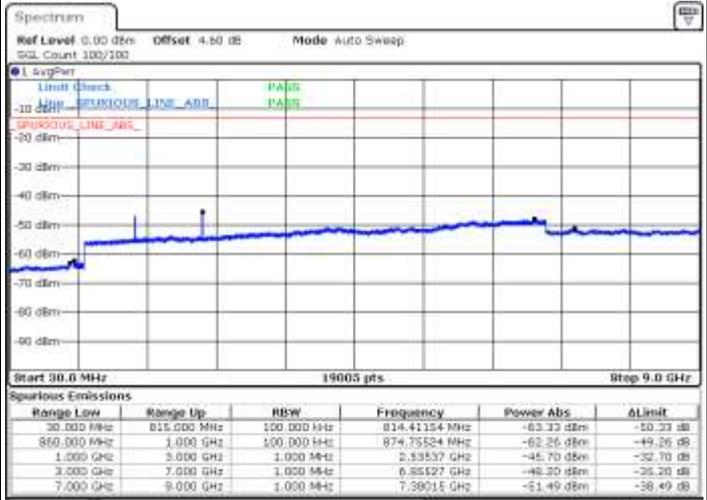
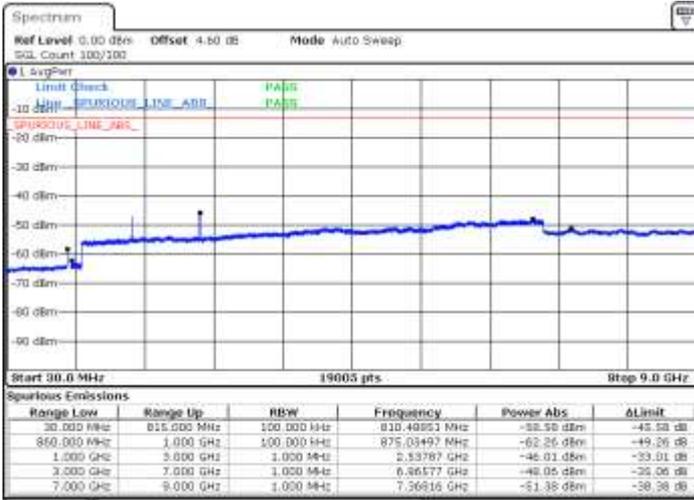
Detail: 18.10.07.2020 20:46:33



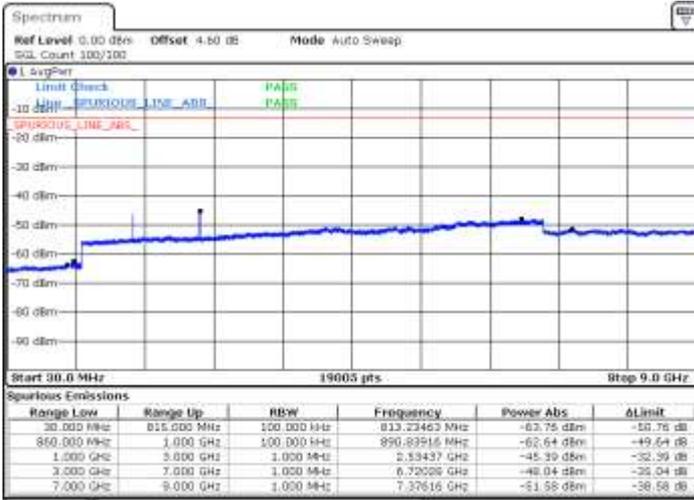
FR1 n5 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

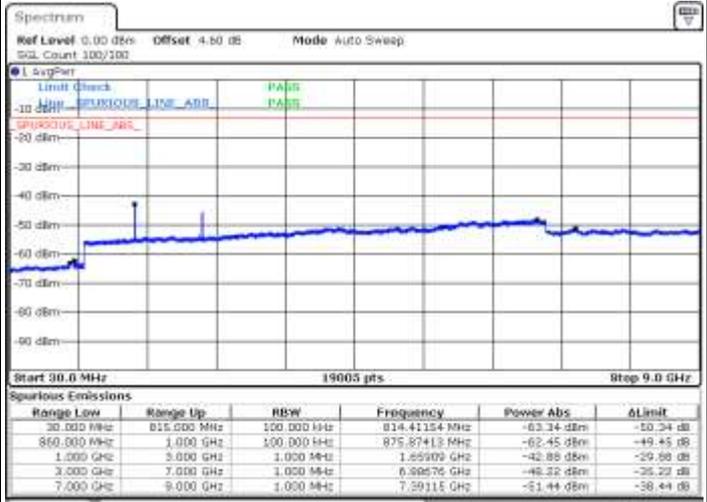
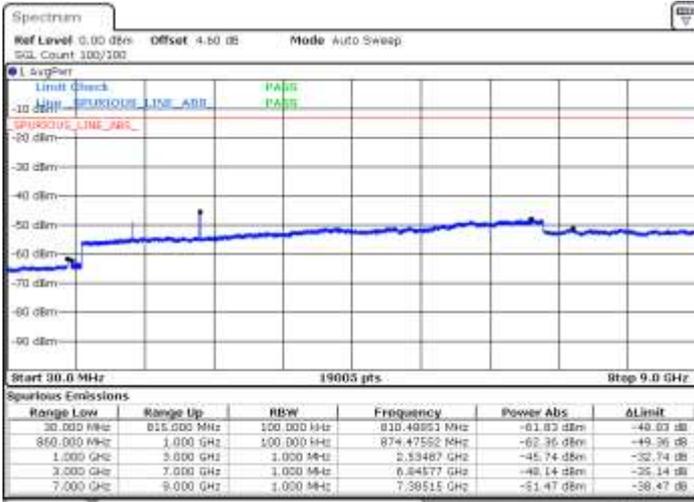




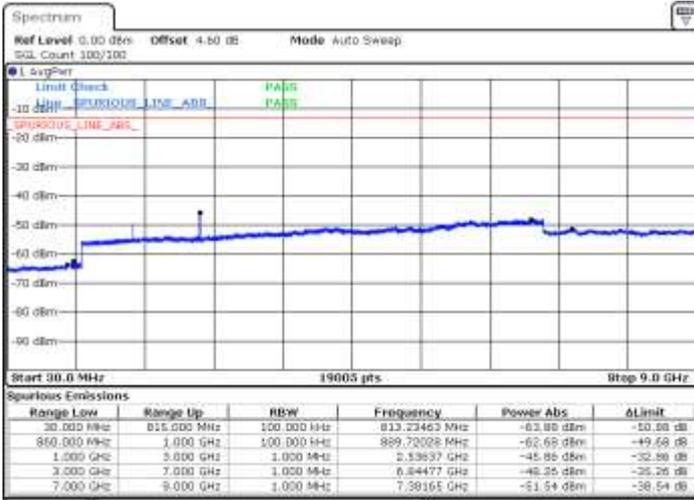
FR1 n5 / 15MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

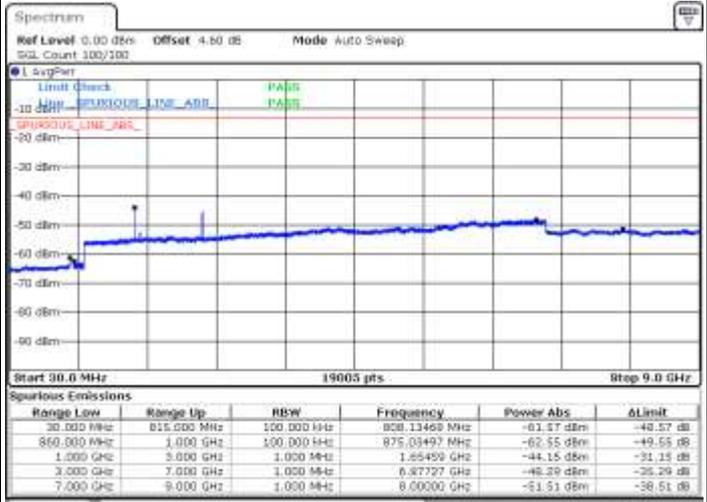
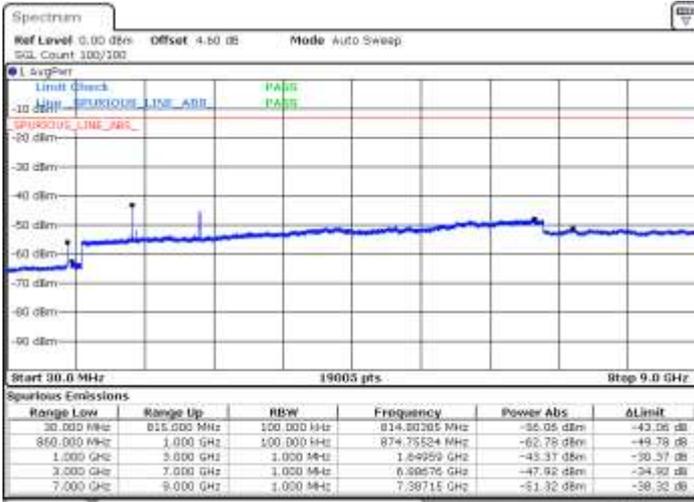




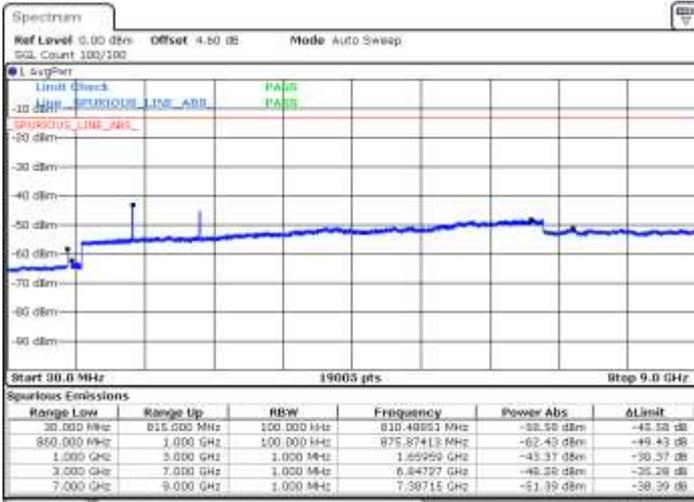
FR1 n5 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0

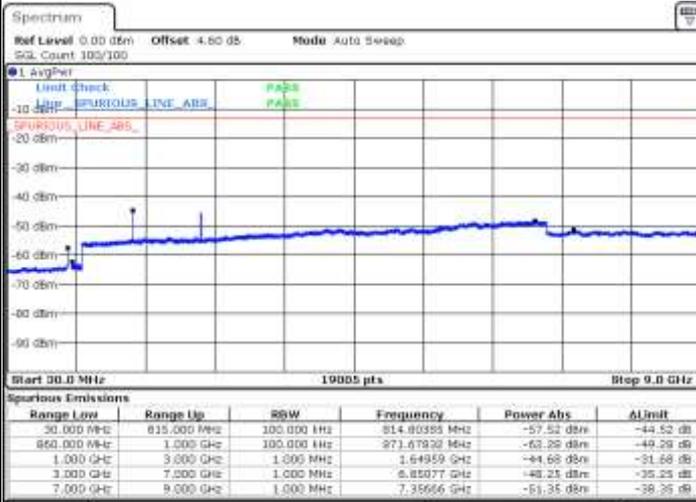




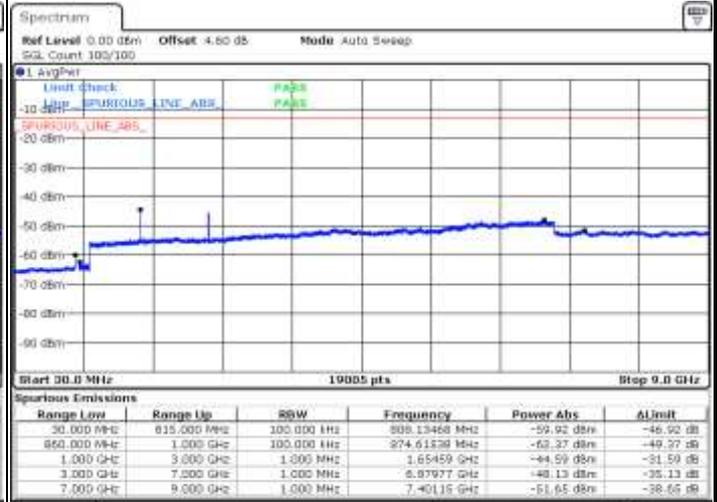
FR1 n5 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0



Date: 16,007,2020 10:53:41



Date: 16,007,2020 10:53:32

Highest Channel / 1RB0



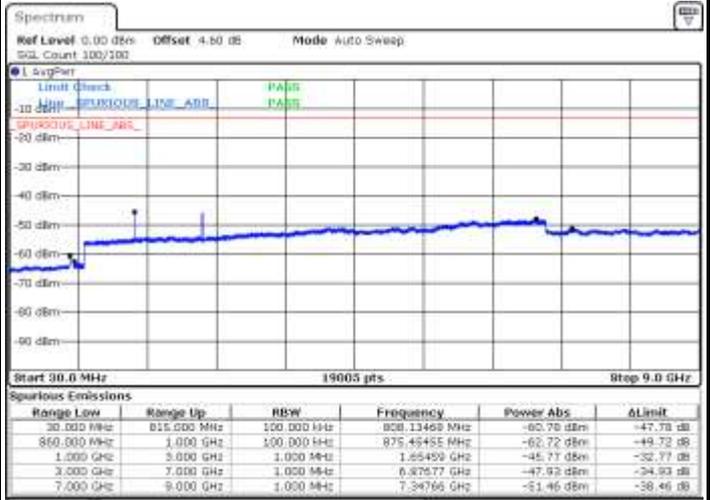
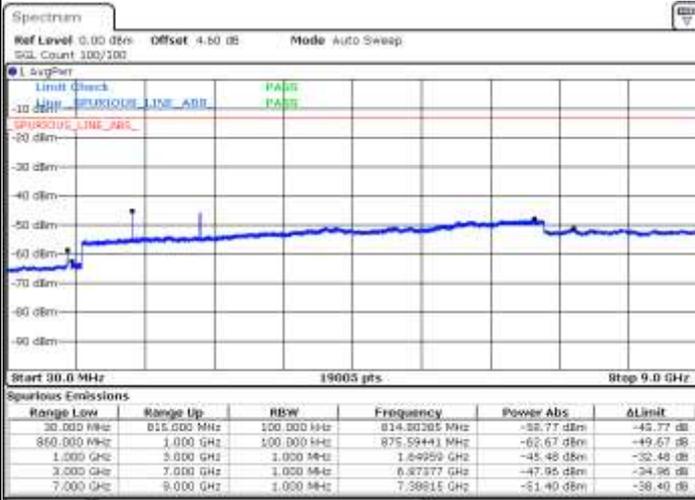
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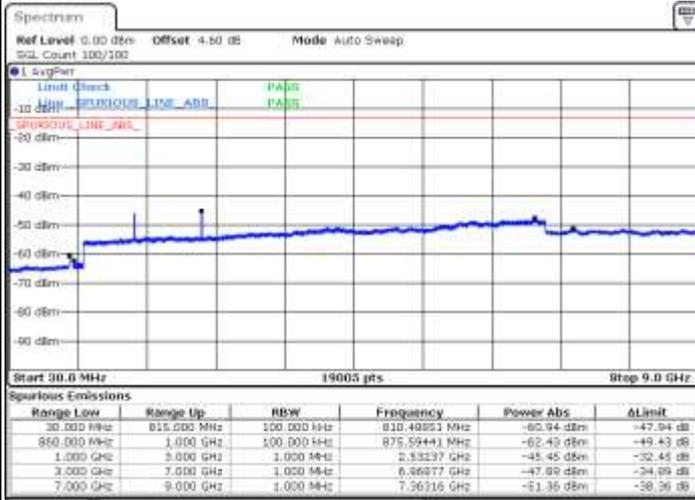
FR1 n5 / 5MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



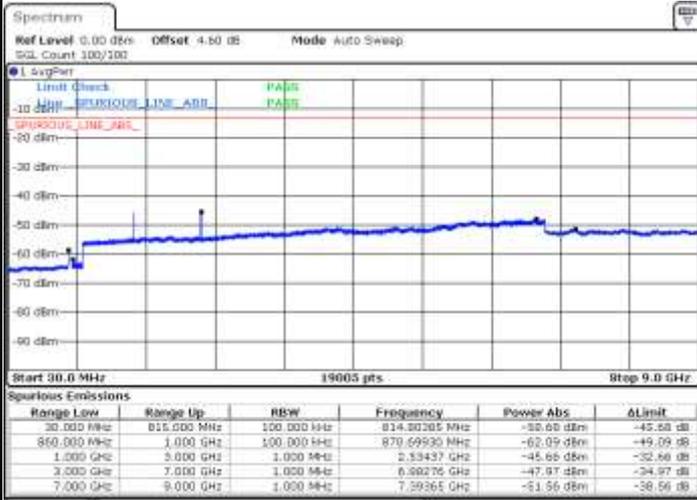
Highest Channel / 1RB0





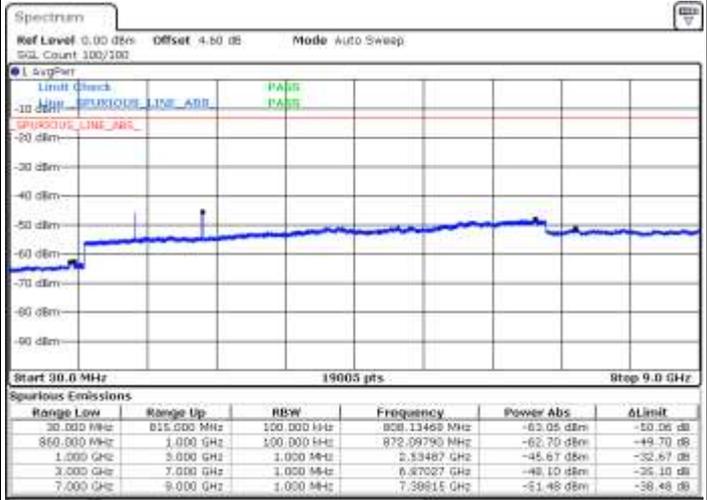
FR1 n5 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0



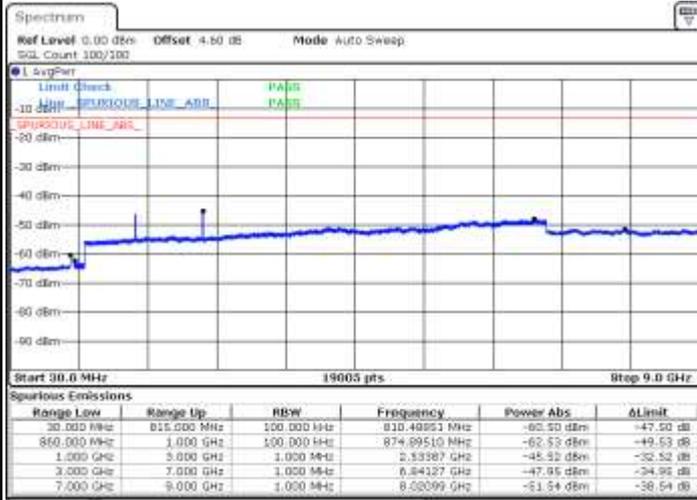
Detail 18.10.07.2020 20:17:48

Middle Channel / 1RB0



Detail 18.10.07.2020 20:18:04

Highest Channel / 1RB0



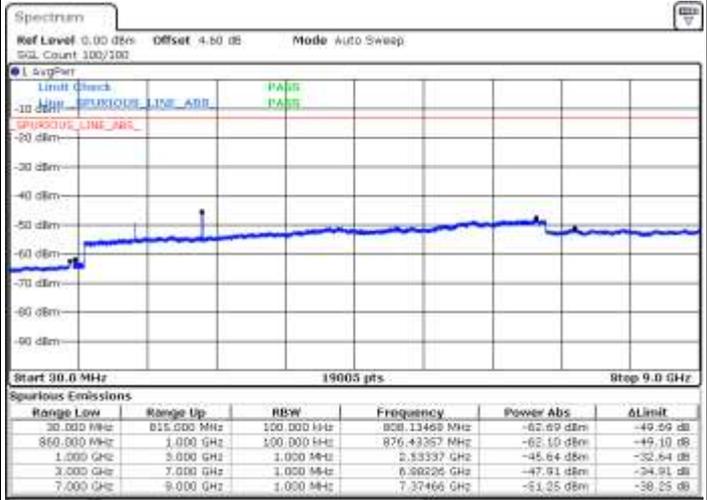
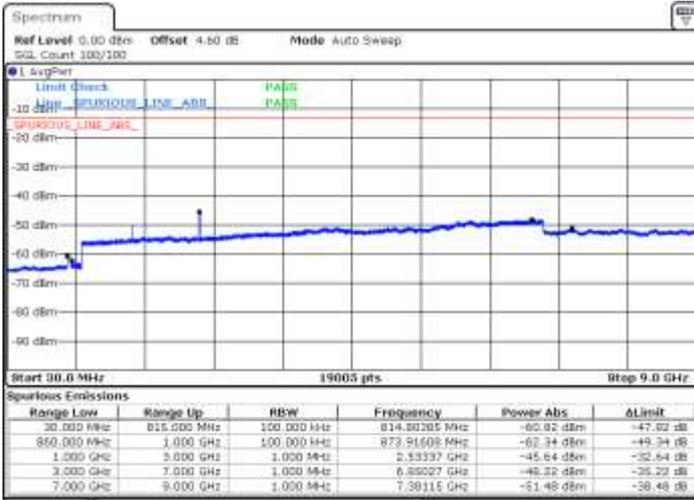
Detail 18.10.07.2020 20:18:18



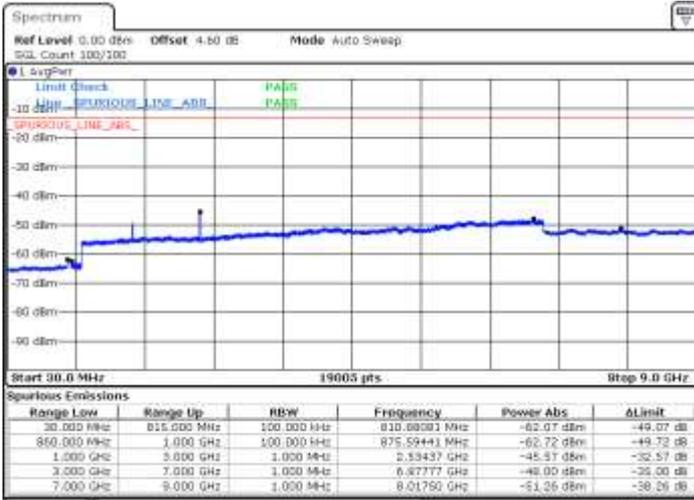
FR1 n5 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



Highest Channel / 1RB0





### Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0006	

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

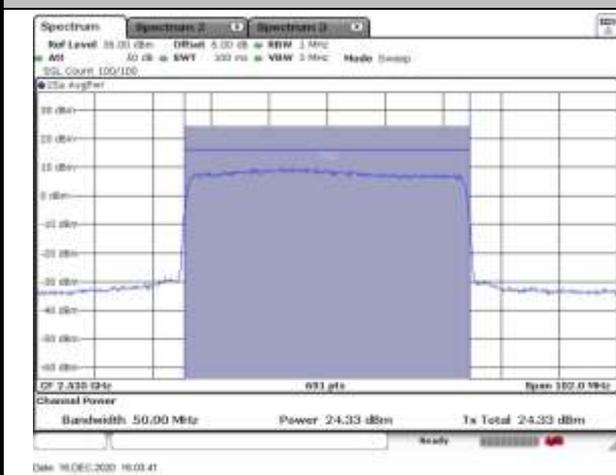


# 5G NR n7

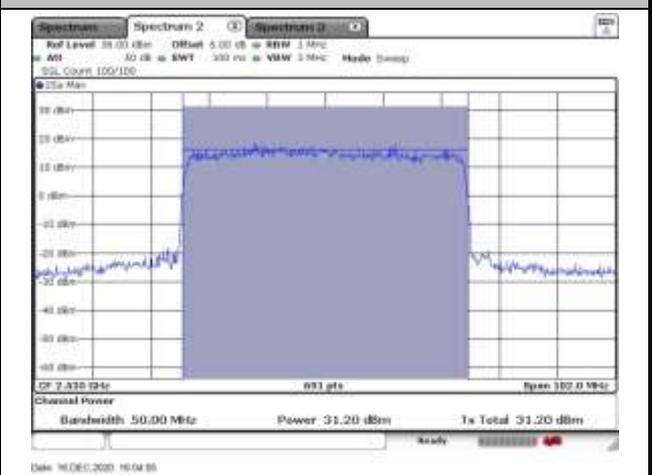
## Peak-to-Average Ratio

Mode	FR1 n7 / 50MHz / DFT-S OFDM					
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Full RB	Result
Lowest CH	-	-	-	-	-	<b>PASS</b>
Middle CH	6.87	6.43	6.85	6.52	6.56	
Highest CH	-	-	-	-	-	

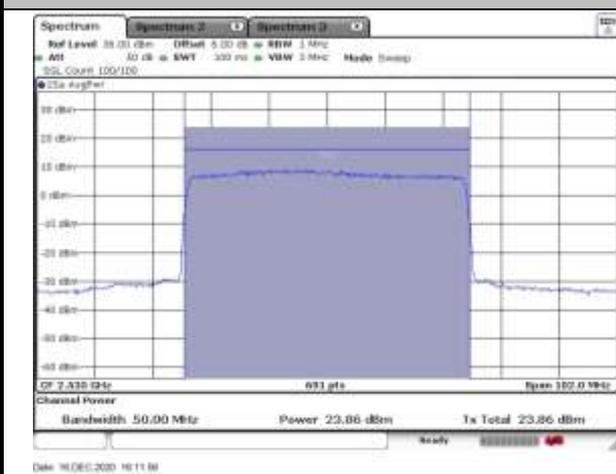
M-FULLRB-B-A



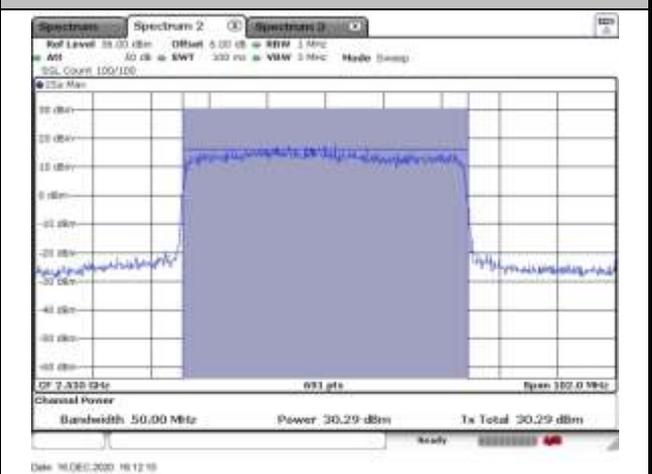
M-FULLRB-B-P



M-FULLRB-Q-A

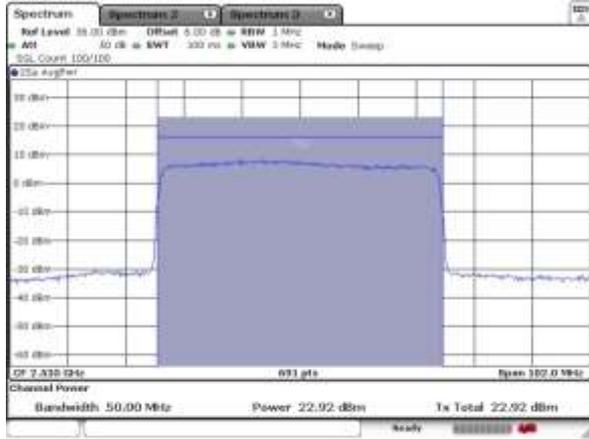


M-FULLRB-Q-P



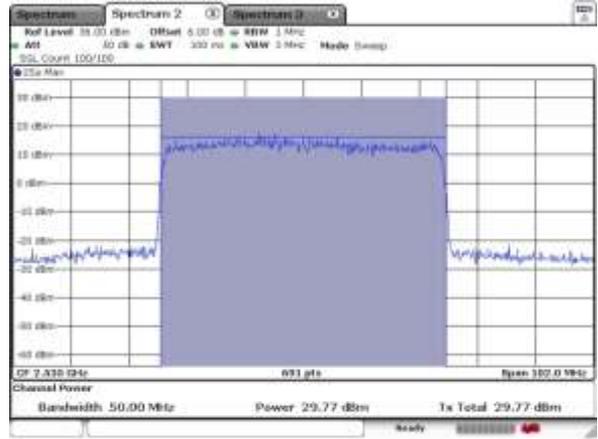


M-FULLRB-16Q-A



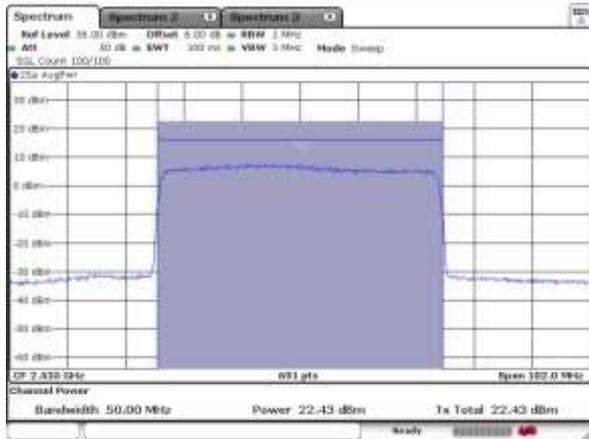
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M-FULLRB-16Q-P



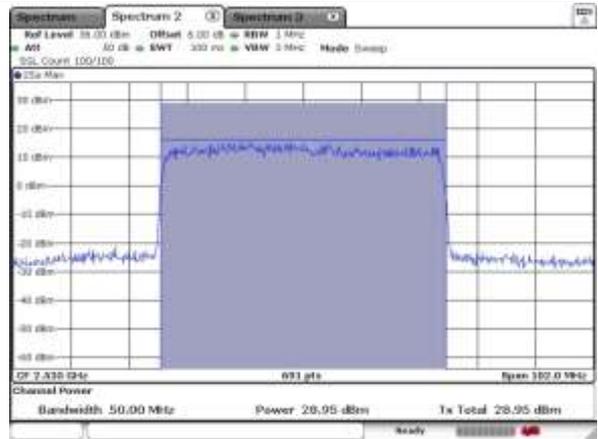
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M-FULLRB-64Q-A



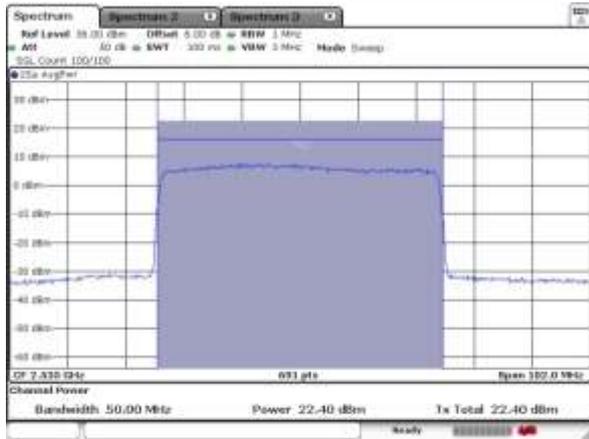
Date: 16 DEC 2020 16:14:40

M-FULLRB-64Q-P



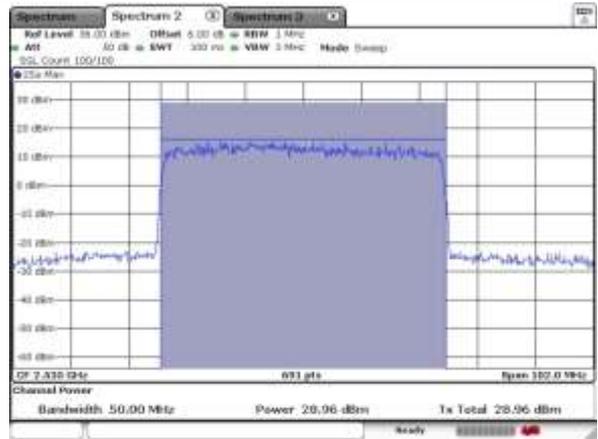
Date: 16 DEC 2020 16:15:10

M-FULLRB-256Q-A



Date: 16 DEC 2020 16:15:40

M-FULLRB-256Q-P



Date: 16 DEC 2020 16:16:10



**26dB Bandwidth**

Mode	FR1 n7 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	BPSK		BPSK		BPSK		BPSK	
Lowest CH	4.94		9.79		14.36		19.94	
Middle CH	4.93		9.65		14.18		20.30	
Highest CH	4.96		9.81		14.24		20.26	

Mode	FR1 n7 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.96	4.95	9.63	9.65	14.33	14.27	20.10	20.14
Middle CH	4.95	5.02	9.69	9.71	14.18	14.30	20.22	20.14
Highest CH	5.07	4.95	9.75	9.65	14.30	14.18	20.18	20.22

Mode	FR1 n7 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	4.94	4.90	9.71	9.73	14.30	14.21	20.14	20.06
Middle CH	4.93	4.91	9.75	9.87	14.18	14.36	20.10	20.14
Highest CH	4.98	4.95	9.77	9.77	14.27	14.24	20.18	20.26

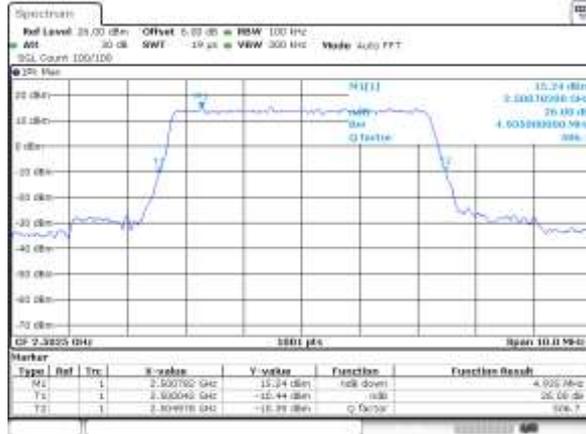
Mode	FR1 n7 : 26dB BW(MHz) / CP FDM	
BW	50MHz	
Mod.	QPSK	16QAM
Lowest CH	-	-
Middle CH	50.65	50.65
Highest CH	-	-



FR1 n7 / 5MHz / DFT-S OFDM

BPSK

Lowest Channel



Middle Channel



Highest Channel

