

FCC RF Test Report

APPLICANT : Motorola Mobility, LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2071-2, XT2071-3, XT2071-5
FCC ID : IHDT56ZB1
STANDARD : 47 CFR Part 2, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

The product was received on May 28, 2020 and completely tested on Aug. 14, 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.



Reviewed by: Jason Jia / Supervisor



Approved by: James Huang / Manager



Sporton International (Kunshan) Inc.

***No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China***



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test	5
1.4 Product Specification of Equipment Under Test	6
1.5 Modification of EUT	6
1.6 Specification of Accessory	6
1.7 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator	7
1.8 Testing Location	10
1.9 Test Software	10
1.10 Applicable Standards	10
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	11
2.1 Test Mode	11
2.2 Connection Diagram of Test System	11
2.3 Support Unit used in test configuration and system	12
2.4 Measurement Results Explanation Example	12
2.5 Frequency List of Low/Middle/High Channels	13
3 CONDUCTED TEST ITEMS	14
3.1 Measuring Instruments	14
3.2 Test Setup	14
3.3 Test Result of Conducted Test	14
3.4 Conducted Output Power and ERP/EIRP	15
3.5 Peak-to-Average Ratio	16
3.6 Occupied Bandwidth	17
3.7 Conducted Band Edge	18
3.8 Conducted Spurious Emission	19
3.9 Frequency Stability	20
4 RADIATED TEST ITEMS	21
4.1 Measuring Instruments	21
4.2 Test Setup	21
4.3 Test Result of Radiated Test	21
4.4 Radiated Spurious Emission	22
5 LIST OF MEASURING EQUIPMENT	23
6 UNCERTAINTY OF EVALUATION	24
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. TEST RESULTS OF RADIATED TEST	
APPENDIX C. TEST SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG052803-01B	Rev. 01	Initial issue of report	Jul. 31, 2020
FG052803-01B	Rev. 02	Add the sum data of power, 99% OBW, 26dB BW for EN-DC 41A_n41A, EN-DC 41AA	Aug. 18, 2020

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n41)	EIRP < 2Watt		
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n41)	§27.53(m)(4)	PASS	-
3.8	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n41)	< 55+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n41)	< 55+10log ₁₀ (P[Watts])	PASS	Under limit 30.69 dB at 10550.000 MHz

Declaration of Conformity:

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

Comments and Explanations:

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



1 General Description

1.1 Applicant

Motorola Mobility, LLC

222 W Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, United States

1.2 Manufacturer

Motorola Mobility, LLC

222 W Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, United States

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2071-2, XT2071-3, XT2071-5
FCC ID	IHDT56ZB1
EUT supports Radios application	CDMA/GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n (HT20/HT40) WLAN 2.4GHz 802.11ac (VHT20/VHT40) WLAN 5GHz 802.11a/n/ac (HT20/HT40/VHT20/VHT40/VHT80) Bluetooth BR / EDR / LE GNSS/NFC
IMEI Code	Conducted : 353590110023754 Radiation : 353603110010299 353603110010307
HW Version	DVT2
SW Version	userdebug_10_QPS30.219_dbafb_intcfg-test-keys
EUT Stage	Identical Prototype

Remark:

1. Only 5G NR partial bands are tested in this report, all the other RF bands are tested in the other reports separately.
2. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so chose DFT-s-OFDM modulation to perform all test.
3. 5G NR supports NSA mode only.
4. 5G NR n41 supports HPUE.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n41: 2506.02 MHz ~ 2679.99 MHz
Rx Frequency	5G NR n41: 2506.02 MHz ~ 2679.99 MHz
Bandwidth	n41 : 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz
Maximum Output Power to Antenna	EN-DC_2A_n41 : 23.40 dBm EN-DC_41A_n41 : 26.45 dBm EN-DC_n41AA : 26.50 dBm
Antenna Gain	n41 : -0.75 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM

1.5 Modification of EUT

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

1.6 Specification of Accessory

Specification of Accessory				
AC Adapter 1 (US)	Brand Name	Motorola (Chenyang)	Model Name	SC-51
AC Adapter 1 (EU)	Brand Name	Motorola (Chenyang)	Model Name	SC-52
AC Adapter 1 (UK)	Brand Name	Motorola (Chenyang)	Model Name	SC-53
AC Adapter 1 (AU)	Brand Name	Motorola (Chenyang)	Model Name	SC-55
AC Adapter 1 (AR)	Brand Name	Motorola (Chenyang)	Model Name	SC-56
AC Adapter 2 (US)	Brand Name	Motorola (Acbel)	Model Name	SC-51
AC Adapter 2 (EU)	Brand Name	Motorola (Acbel)	Model Name	SC-52
AC Adapter 2 (AR)	Brand Name	Motorola (Acbel)	Model Name	SC-56
AC Adapter 3 (IN)	Brand Name	Motorola (Salom)	Model Name	SC-54
USB Cable 1	Brand Name	Motorola(Saibao)	Model Name	SC18C24367
USB Cable 2	Brand Name	Motorola(Luxshare)	Model Name	SC18C24368
Standard 3.5mm Headset	Brand Name	Motorola	Model Name	SH38C37773 SH38C44959
USB-C to 3.5mm headset adapter	Brand Name	Motorola	Model Name	SC18C27844 SC18C27845

1.7 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

5G NR n41 (EN DC_2A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	18M4F9W	0.1671	18M6G7D	0.1644
40	2516.01 ~ 2670.00	36M1F9W	0.1841	36M0G7D	0.1770
50	2521.02 ~ 2664.99	46M3F9W	0.1706	45M9G7D	0.1706
60	2526.00 ~ 2659.98	58M6F9W	0.1675	58M9G7D	0.1663
80	2536.02 ~ 2649.99	76M6F9W	0.1718	77M7G7D	0.1687
90	2541.00 ~ 2644.98	87M0F9W	0.1710	86M7G7D	0.1714
100	2546.01 ~ 2640.00	97M3F9W	0.1726	97M1G7D	0.1690
Frequency Tolerance (ppm)		0.0026			

5G NR n41 (EN DC_2A-n41A)		16QAM		64QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	18M6W7D	0.1346	18M6W7D	0.0946
40	2516.01 ~ 2670.00	36M1W7D	0.1452	36M0W7D	0.1062
50	2521.02 ~ 2664.99	46M2W7D	0.1355	45M9W7D	0.0975
60	2526.00 ~ 2659.98	58M7W7D	0.1343	58M5W7D	0.0957
80	2536.02 ~ 2649.99	77M7W7D	0.1361	78M0W7D	0.0975
90	2541.00 ~ 2644.98	87M0W7D	0.1368	86M7W7D	0.0973
100	2546.01 ~ 2640.00	97M1W7D	0.1387	96M5W7D	0.0982
Frequency Tolerance (ppm)		-			



5G NR n41 (EN DC_41A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	36M4F9W	0.3705	36M4G7D	0.3686
40	2516.01 ~ 2670.00	53M7F9W	0.3720	54M1G7D	0.3720
50	2521.02 ~ 2664.99	64M0F9W	0.3715	63M9G7D	0.3715
60	2526.00 ~ 2659.98	77M4F9W	0.3705	76M6G7D	0.3715
80	2536.02 ~ 2649.99	96M5F9W	0.3715	97M3G7D	0.3720
90	2541.00 ~ 2644.98	106MF9W	0.3715	104MG7D	0.3715
100	2546.01 ~ 2640.00	116MF9W	0.3700	114MG7D	0.3700
Frequency Tolerance (ppm)		0.0023			

5G NR n41 (EN DC_41A-n41A)		16QAM		64QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	36M5W7D	0.3207	36M5W7D	0.2794
40	2516.01 ~ 2670.00	54M1W7D	0.3256	53M8W7D	0.2789
50	2521.02 ~ 2664.99	63M9W7D	0.3275	63M6W7D	0.2754
60	2526.00 ~ 2659.98	76M6W7D	0.3174	78M0W7D	0.2588
80	2536.02 ~ 2649.99	95M3W7D	0.3211	97M2W7D	0.2775
90	2541.00 ~ 2644.98	106MW7D	0.3207	106MW7D	0.2794
100	2546.01 ~ 2640.00	116MW7D	0.3114	115MW7D	0.2783
Frequency Tolerance (ppm)		-			

Note: The 99% OBW and EIRP power are sum of measured occupied bandwidths of the individual carriers, LTE and NR, EN-DC_41A-n41A.



5G NR n41 (EN DC_n41AA)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	38M0F9W	0.3738	38M1G7D	0.3724
40	2516.01 ~ 2670.00	58M5F9W	0.3757	58M3G7D	0.3757
50	2521.02 ~ 2664.99	68M7F9W	0.3757	68M4G7D	0.3752
60	2526.00 ~ 2659.98	78M3F9W	0.3757	78M6G7D	0.3752
80	2536.02 ~ 2649.99	98M1F9W	0.3752	97M9G7D	0.3748
90	2541.00 ~ 2644.98	108MF9W	0.3752	107MG7D	0.3757
100	2546.01 ~ 2640.00	117MF9W	0.3752	118MG7D	0.3752
Frequency Tolerance (ppm)		0.0019			

5G NR n41 (EN DC_n41AA)		16QAM		64QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	38M1W7D	0.3197	38M0W7D	0.2778
40	2516.01 ~ 2670.00	57M9W7D	0.3312	57M7W7D	0.2799
50	2521.02 ~ 2664.99	68M5W7D	0.3308	68M4W7D	0.2799
60	2526.00 ~ 2659.98	78M2W7D	0.3152	78M6W7D	0.2679
80	2536.02 ~ 2649.99	97M9W7D	0.3208	97M9W7D	0.2799
90	2541.00 ~ 2644.98	108MW7D	0.3187	108MW7D	0.2832
100	2546.01 ~ 2640.00	118MW7D	0.3187	118MW7D	0.2832
Frequency Tolerance (ppm)		-			

Note: The EIRP power are summation of the individual carriers, LTE and NR, EN-DC_n41AA.

1.8 Testing Location

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

Test Firm	Sporton International (Kunshan) Inc.		
Test Site Location	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		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS TH01-KS	CN1257	314309

1.9 Test Software

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

1.10 Applicable Standards

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

- ♦ 47 CFR Part 2, 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

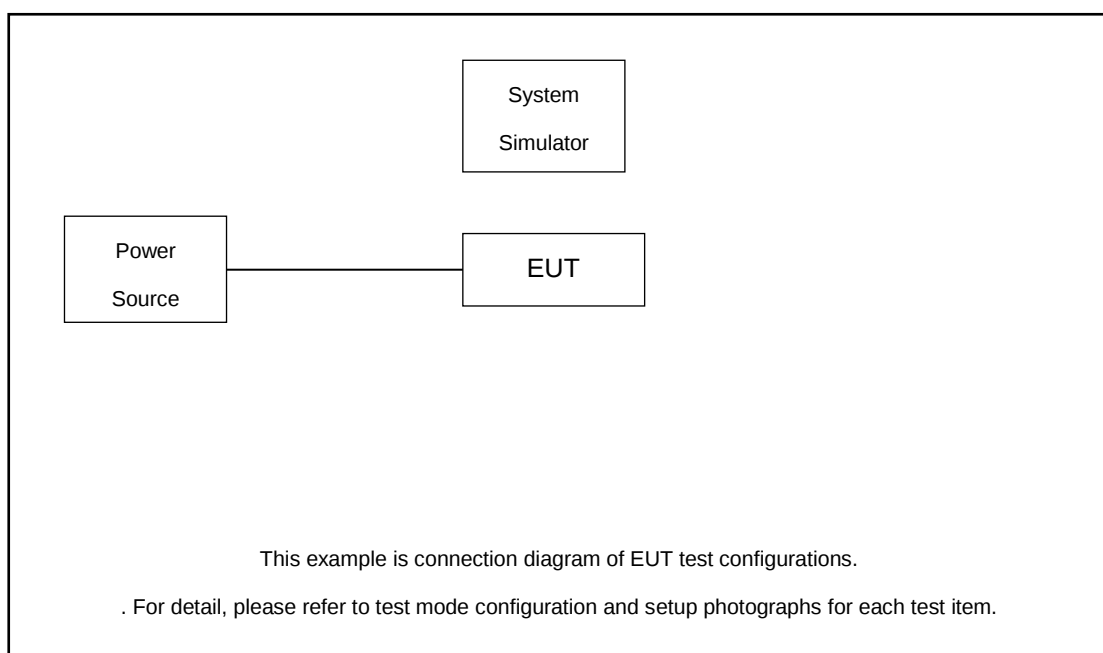
Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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.

	X Plane	Y Plane	Z Plane
Orthogonal Planes of EUT			

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.	NR Base Station	Keysight	E7515B	N/A	N/A	Unshielded, 1.8 m
3.	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 and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 3.5 dB and 10dB attenuator.

Example :

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 3.5 + 10 = 13.5 \text{ (dB)}\end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99

3 Conducted Test Items

3.1 Measuring Instruments

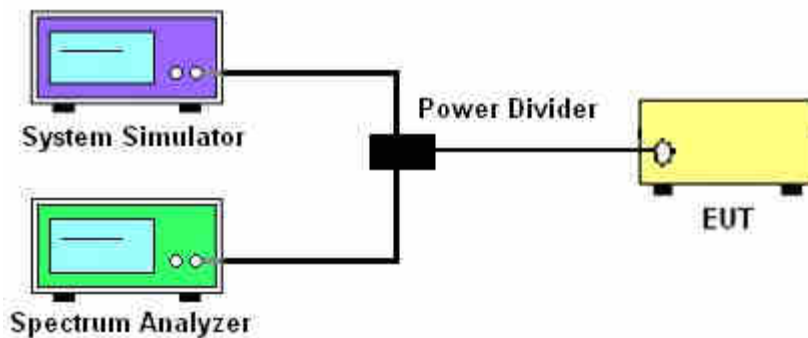
See list of measuring instruments of this test report.

3.2 Test Setup

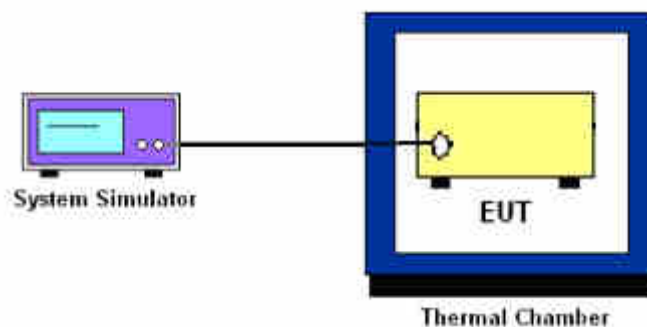
3.2.1 Conducted Output Power



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 EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n41.

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

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

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_{Pk} measured peak power level, in dBm
 P_{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

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 than $43 + 10 \log (P)$ 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 Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge and the measured power was integrated over the full required measurement bandwidth.
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(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

9. For 5G NR n41, 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 n41:

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

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

3.8.2 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 n41
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°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°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 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.

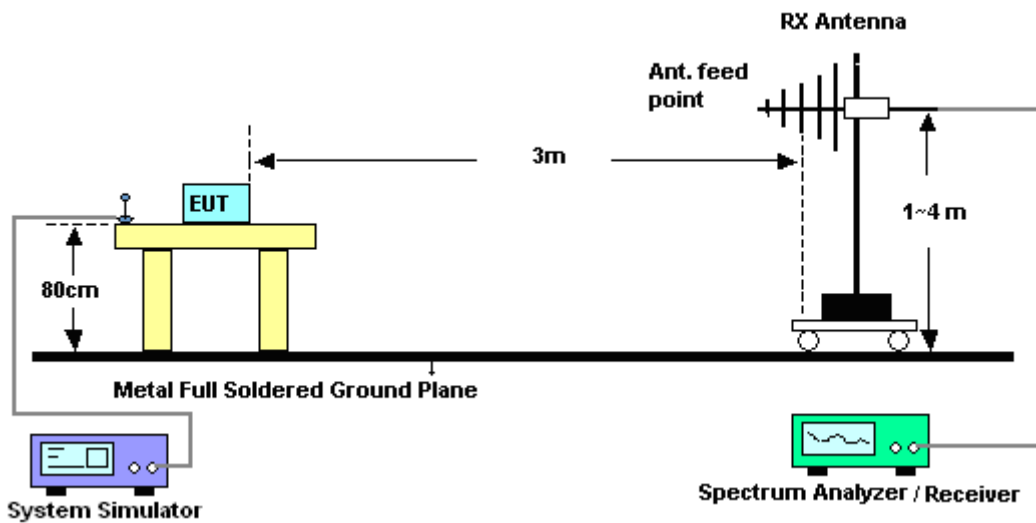
4 Radiated Test Items

4.1 Measuring Instruments

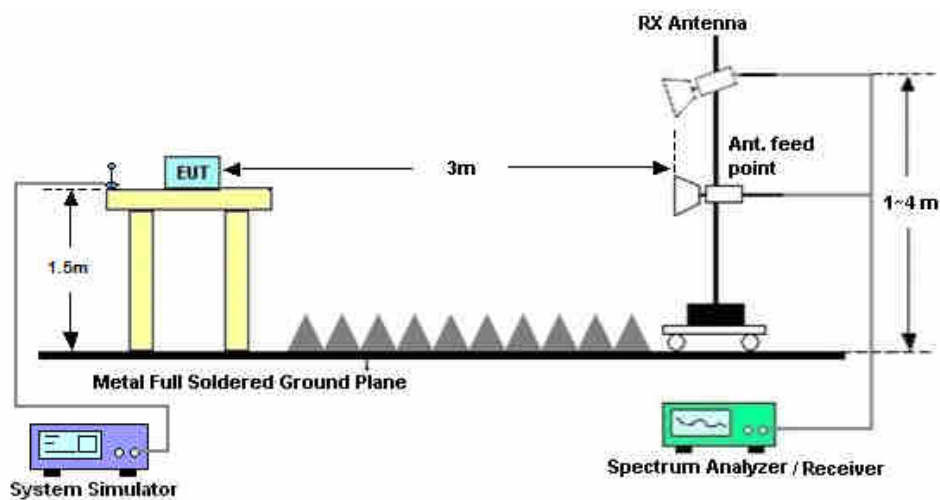
See list of measuring instruments of this test report.

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 n41

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

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 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. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
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)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

13. For 5G NR n41:

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, 2019	Jul. 17, 2020~ Aug. 14, 2020	Nov. 01, 2020	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	-40~+150°C	Oct. 28, 2019	Jul. 17, 2020~ Aug. 14, 2020	Oct. 27, 2020	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 15, 2020	Jul. 19, 2020	Apr. 14, 2021	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Jan. 02, 2020	Jul. 19, 2020	Jan. 01, 2021	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1356	1GHz~18GHz	Apr. 20, 2020	Jul. 19, 2020	Apr. 19, 2021	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 10, 2019	Jul. 19, 2020	Nov. 09, 2020	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 02, 2020	Jul. 19, 2020	Jan. 01, 2021	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 08, 2020	Jul. 19, 2020	Jan. 07, 2021	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P	2025788	1Ghz-18Ghz	Jan. 02, 2020	Jul. 19, 2020	Jan. 01, 2021	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 15, 2019	Jul. 19, 2020	Oct. 14, 2020	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jul. 19, 2020	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jul. 19, 2020	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jul. 19, 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
---	-------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.8dB
---	-------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.8dB
---	-------



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

EN-DC_41A_n41A Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	1	PI/2 BPSK	26.23	26.34	26.22
20	1	49		26.33	26.44	26.21
20	25	12		26.29	26.44	26.25
20	1	0		25.98	26.10	25.94
20	1	50		26.10	26.18	25.98
20	50	0		26.06	26.14	26.01
20	1	1	QPSK	26.25	26.38	26.22
20	1	49		26.36	26.42	26.11
20	25	12		26.31	26.42	26.27
20	1	0		25.75	25.83	25.68
20	1	50		25.79	25.89	25.68
20	50	0		25.80	25.90	25.74
20	1	1	16-QAM	25.73	25.81	25.64
20	1	1	64-QAM	25.14	25.21	25.04



EN-DC_41A_n41A Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
40	1	1	PI/2 BPSK	26.33	26.32	26.45
40	1	104		26.45	26.44	26.00
40	50	25		26.44	26.45	26.43
40	1	0		26.18	26.17	26.17
40	1	105		26.17	26.18	25.95
40	100	0		26.17	26.16	26.15
40	1	1	QPSK	26.44	26.19	26.40
40	1	104		26.10	26.45	25.90
40	50	25		26.44	26.45	26.41
40	1	0		25.91	25.74	25.91
40	1	105		25.90	25.92	25.90
40	100	0		25.92	25.91	25.91
40	1	1	16-QAM	25.79	25.55	25.88
40	1	1	64-QAM	25.08	25.20	25.10

EN-DC_41A_n41A Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
50	1	1	PI/2 BPSK	26.38	26.38	26.45
50	1	131		26.44	26.43	26.15
50	64	32		26.44	26.43	26.33
50	1	0		26.08	26.08	26.18
50	1	132		26.17	26.17	26.06
50	128	0		26.17	26.16	26.07
50	1	1	QPSK	26.33	26.30	26.43
50	1	131		26.45	26.43	26.08
50	64	32		26.44	26.45	26.35
50	1	0		25.83	25.83	25.91
50	1	132		25.91	25.92	25.78
50	128	0		25.90	25.90	25.83
50	1	1	16-QAM	25.77	25.69	25.90
50	1	1	64-QAM	25.03	25.14	25.15



EN-DC_41A_n41A Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
60	1	1	PI/2 BPSK	26.30	26.27	26.11
60	1	160		26.44	26.38	26.19
60	81	40		26.43	26.42	26.36
60	1	0		25.95	25.85	26.09
60	1	161		26.17	26.11	26.15
60	162	0		26.17	26.05	26.06
60	1	1	QPSK	26.21	25.99	26.23
60	1	160		26.42	26.19	26.30
60	81	40		26.43	26.45	26.45
60	1	0		25.73	25.86	25.70
60	1	161		25.91	25.59	25.53
60	162	0		25.90	25.91	25.92
60	1	1	16-QAM	25.75	25.77	25.68
60	1	1	64-QAM	24.88	24.76	24.84

EN-DC_41A_n41A Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
80	1	1	PI/2 BPSK	26.32	26.27	26.19
80	1	215		26.42	26.38	26.32
80	108	54		26.45	26.44	26.43
80	1	0		26.06	26.03	26.14
80	1	216		26.15	26.03	26.17
80	216	0		26.17	26.15	26.18
80	1	1	QPSK	26.36	26.25	26.19
80	1	215		26.42	26.23	26.25
80	108	54		26.45	26.43	26.45
80	1	0		25.79	25.68	25.73
80	1	216		25.86	25.74	25.87
80	216	0		25.90	25.85	25.75
80	1	1	16-QAM	25.82	25.75	25.61
80	1	1	64-QAM	25.03	25.11	25.18



EN-DC_41A_n41A Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
90	1	1	PI/2 BPSK	26.39	26.25	26.19
90	1	243		26.44	26.32	26.25
90	120	60		26.44	26.45	26.38
90	1	0		26.11	26.03	26.00
90	1	244		26.12	26.16	26.17
90	240	0		26.17	26.17	26.18
90	1	1	QPSK	26.35	26.30	26.19
90	1	243		26.45	26.29	26.22
90	120	60		26.44	26.43	26.41
90	1	0		25.79	25.70	25.73
90	1	244		25.89	25.74	25.79
90	240	0		25.89	25.91	25.92
90	1	1	16-QAM	25.81	25.75	25.70
90	1	1	64-QAM	25.21	25.16	25.19

EN-DC_41A_n41A Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
100	1	1	PI/2 BPSK	26.38	26.25	26.30
100	1	271		26.38	26.27	26.25
100	135	67		26.43	26.43	26.38
100	1	0		26.02	26.04	26.14
100	1	272		26.02	25.95	26.16
100	270	0		26.17	26.15	26.18
100	1	1	QPSK	26.34	26.24	26.21
100	1	271		26.35	26.22	26.38
100	135	67		26.43	26.38	26.37
100	1	0		25.73	25.68	25.78
100	1	272		25.81	25.70	25.68
100	270	0		25.90	25.88	25.92
100	1	1	16-QAM	25.68	25.50	25.59
100	1	1	64-QAM	25.19	25.19	25.19



EN-DC_n41AA Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	1	PI/2 BPSK	26.40	26.38	26.32
20	1	49		26.40	26.48	26.20
20	25	12		26.43	26.43	26.32
20	1	0		26.12	26.13	26.05
20	1	50		26.20	26.20	26.06
20	50	0		26.12	26.16	26.10
20	1	1	QPSK	26.35	26.32	26.20
20	1	49		25.90	26.40	26.10
20	25	12		26.39	26.46	26.37
20	1	0		25.81	25.88	25.80
20	1	50		25.93	25.89	25.66
20	50	0		25.90	25.90	25.82
20	1	1	16-QAM	25.70	25.80	25.66
20	1	1	64-QAM	24.97	25.10	25.19

EN-DC_n41AA Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
40	1	1	PI/2 BPSK	26.49	26.48	26.50
40	1	104		26.49	26.49	26.04
40	50	25		26.47	26.46	26.47
40	1	0		26.20	26.21	26.21
40	1	105		26.22	26.21	26.00
40	100	0		26.22	26.21	26.21
40	1	1	QPSK	26.48	26.48	26.49
40	1	104		26.50	26.49	25.95
40	50	25		26.48	26.48	26.47
40	1	0		25.96	25.94	25.96
40	1	105		25.97	25.95	25.48
40	100	0		25.96	25.95	25.94
40	1	1	16-QAM	25.88	25.95	25.95
40	1	1	64-QAM	25.13	25.20	25.22



EN-DC_n41AA Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
50	1	1	PI/2 BPSK	26.41	26.44	26.49
50	1	131		26.50	26.49	26.10
50	64	32		26.47	26.49	26.43
50	1	0		26.18	26.14	26.21
50	1	132		26.22	26.21	26.18
50	128	0		26.21	26.21	26.20
50	1	1	QPSK	26.35	26.44	26.49
50	1	131		26.49	26.47	26.05
50	64	32		26.48	26.46	26.46
50	1	0		25.85	25.90	25.96
50	1	132		25.96	25.97	25.73
50	128	0		25.94	25.95	25.96
50	1	1	16-QAM	25.70	25.78	25.95
50	1	1	64-QAM	25.21	25.18	25.22

EN-DC_n41AA Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
60	1	1	PI/2 BPSK	26.44	26.31	26.13
60	1	160		26.49	26.48	26.47
60	81	40		26.49	26.48	26.50
60	1	0		26.13	26.13	26.22
60	1	161		26.22	26.21	26.19
60	162	0		26.21	26.16	26.22
60	1	1	QPSK	26.34	26.18	26.04
60	1	160		26.49	26.42	26.31
60	81	40		26.48	26.07	26.21
60	1	0		25.89	25.84	25.96
60	1	161		25.94	25.95	25.96
60	162	0		25.95	25.94	25.97
60	1	1	16-QAM	25.66	25.73	25.71
60	1	1	64-QAM	25.03	24.97	24.92



EN-DC_n41AA Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
80	1	1	PI/2 BPSK	26.26	26.16	26.31
80	1	215		26.37	26.25	26.16
80	108	54		26.48	26.47	26.49
80	1	0		26.10	26.22	26.20
80	1	216		26.05	26.19	26.20
80	216	0		26.21	26.13	26.22
80	1	1	QPSK	26.32	26.27	26.33
80	1	215		26.28	26.20	26.13
80	108	54		26.49	26.46	26.42
80	1	0		25.86	25.76	25.75
80	1	216		25.86	25.95	25.88
80	216	0		25.96	25.96	25.97
80	1	1	16-QAM	25.81	25.68	25.80
80	1	1	64-QAM	25.10	25.20	25.22

EN-DC_n41AA Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
90	1	1	PI/2 BPSK	26.48	26.33	26.34
90	1	243		26.46	26.36	26.30
90	120	60		26.49	26.48	26.43
90	1	0		26.19	26.22	26.21
90	1	244		26.20	26.22	26.20
90	240	0		26.22	26.21	26.22
90	1	1	QPSK	26.48	26.31	26.16
90	1	243		26.46	26.27	26.42
90	120	60		26.49	26.49	26.50
90	1	0		25.86	25.95	25.82
90	1	244		25.96	25.94	25.97
90	240	0		25.96	25.96	25.97
90	1	1	16-QAM	25.78	25.75	25.61
90	1	1	64-QAM	25.18	25.20	25.27



EN-DC_n41AA Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
100	1	1	PI/2 BPSK	26.46	26.40	26.31
100	1	271		26.43	26.30	26.24
100	135	67		26.49	26.48	26.47
100	1	0		26.10	25.99	26.03
100	1	272		26.16	26.03	26.22
100	270	0		26.22	26.20	26.22
100	1	1	QPSK	26.42	26.31	26.38
100	1	271		26.35	26.18	26.29
100	135	67		26.49	26.48	26.45
100	1	0		25.78	25.75	25.65
100	1	272		25.90	25.83	25.78
100	270	0		25.97	25.95	25.96
100	1	1	16-QAM	25.78	25.73	25.73
100	1	1	64-QAM	25.25	25.27	25.20

LTE	2	MeasuredValue	1.33	dBm	
NR	41	EN-DC Maximum Average Power	23.43	dBm	
20M	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (W)
	501204	15KHZ 501204 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.89	22.14	0.1637
	501204	15KHZ 501204 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.87	22.12	0.1629
	501204	15KHZ 501204 DFT-s-OFDM QPSK Inner 1RB Right	22.91	22.16	0.1644
	501204	15KHZ 501204 DFT-s-OFDM QPSK Inner 1RB Left	22.88	22.13	0.1633
	501204	15KHZ 501204 DFT-s-OFDM PI/2 BPSK Inner Full	22.89	22.14	0.1637
	501204	15KHZ 501204 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.48	21.73	0.1489
	501204	15KHZ 501204 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.48	21.73	0.1489
	501204	15KHZ 501204 DFT-s-OFDM PI/2 BPSK Outer Full	22.44	21.69	0.1476
	501204	15KHZ 501204 DFT-s-OFDM QPSK Inner Full	22.86	22.11	0.1626
	501204	15KHZ 501204 DFT-s-OFDM QPSK Edge 1RB Left	21.98	21.23	0.1327
	501204	15KHZ 501204 DFT-s-OFDM QPSK Edge 1RB Right	22	21.25	0.1334
	501204	15KHZ 501204 DFT-s-OFDM QPSK Outer Full	21.95	21.20	0.1318
	501204	15KHZ 501204 DFT-s-OFDM 16QAM Inner Full	22.03	21.28	0.1343
	501204	15KHZ 501204 DFT-s-OFDM 16QAM Edge 1RB Left	21.01	20.26	0.1062
	501204	15KHZ 501204 DFT-s-OFDM 16QAM Edge 1RB Right	21.18	20.43	0.1104
	501204	15KHZ 501204 DFT-s-OFDM 16QAM Outer Full	21.03	20.28	0.1067
	501204	15KHZ 501204 DFT-s-OFDM 64QAM Edge 1RB Left	20.39	19.64	0.0920
	501204	15KHZ 501204 DFT-s-OFDM 64QAM Edge 1RB Right	20.47	19.72	0.0938
	501204	15KHZ 501204 DFT-s-OFDM 64QAM Outer Full	20.49	19.74	0.0942
	501204	15KHZ 501204 CP-OFDM QPSK Inner Full	21.51	20.76	0.1191
	501204	15KHZ 501204 CP-OFDM QPSK Edge 1RB Left	20.07	19.32	0.0855
	501204	15KHZ 501204 CP-OFDM QPSK Edge 1RB Right	20.09	19.34	0.0859
	501204	15KHZ 501204 CP-OFDM QPSK Outer Full	19.99	19.24	0.0839
	501204	15KHZ 501204 CP-OFDM 16QAM Inner Full	21.02	20.27	0.1064
	501204	15KHZ 501204 CP-OFDM 16QAM Edge 1RB Left	20.04	19.29	0.0849
	501204	15KHZ 501204 CP-OFDM 16QAM Edge 1RB Right	20.19	19.44	0.0879
	501204	15KHZ 501204 CP-OFDM 16QAM Outer Full	20	19.25	0.0841
	501204	15KHZ 501204 CP-OFDM 64QAM Edge 1RB Left	19.48	18.73	0.0746
	501204	15KHZ 501204 CP-OFDM 64QAM Edge 1RB Right	19.52	18.77	0.0753
	501204	15KHZ 501204 CP-OFDM 64QAM Outer Full	19.51	18.76	0.0752
	518598	15KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.98	22.23	0.1671
	518598	15KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.79	22.04	0.1600
	518598	15KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Right	22.89	22.14	0.1637
	518598	15KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Left	22.81	22.06	0.1607
	518598	15KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner Full	22.91	22.16	0.1644
	518598	15KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.94	21.19	0.1315
	518598	15KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.06	21.31	0.1352
	518598	15KHZ 518598 DFT-s-OFDM PI/2 BPSK Outer Full	21.94	21.19	0.1315
	518598	15KHZ 518598 DFT-s-OFDM QPSK Inner Full	22.89	22.14	0.1637
	518598	15KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Left	21.88	21.13	0.1297
	518598	15KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Right	22	21.25	0.1334
	518598	15KHZ 518598 DFT-s-OFDM QPSK Outer Full	22.01	21.26	0.1337
	518598	15KHZ 518598 DFT-s-OFDM 16QAM Inner Full	22.04	21.29	0.1346
	518598	15KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Left	21.06	20.31	0.1074
	518598	15KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Right	21.17	20.42	0.1102
	518598	15KHZ 518598 DFT-s-OFDM 16QAM Outer Full	21.01	20.26	0.1062
	518598	15KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Left	20.31	19.56	0.0904
	518598	15KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Right	20.46	19.71	0.0935
	518598	15KHZ 518598 DFT-s-OFDM 64QAM Outer Full	20.51	19.76	0.0946
	518598	15KHZ 518598 CP-OFDM QPSK Inner Full	21.53	20.78	0.1197
	518598	15KHZ 518598 CP-OFDM QPSK Edge 1RB Left	19.92	19.17	0.0826
	518598	15KHZ 518598 CP-OFDM QPSK Edge 1RB Right	20.11	19.36	0.0863
	518598	15KHZ 518598 CP-OFDM QPSK Outer Full	19.97	19.22	0.0836
	518598	15KHZ 518598 CP-OFDM 16QAM Inner Full	21.01	20.26	0.1062
	518598	15KHZ 518598 CP-OFDM 16QAM Edge 1RB Left	19.98	19.23	0.0838
	518598	15KHZ 518598 CP-OFDM 16QAM Edge 1RB Right	20.15	19.40	0.0871
	518598	15KHZ 518598 CP-OFDM 16QAM Outer Full	20.01	19.26	0.0843
	518598	15KHZ 518598 CP-OFDM 64QAM Edge 1RB Left	19.39	18.64	0.0731
	518598	15KHZ 518598 CP-OFDM 64QAM Edge 1RB Right	19.52	18.77	0.0753
	518598	15KHZ 518598 CP-OFDM 64QAM Outer Full	19.49	18.74	0.0748
	535998	15KHZ 535998 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.78	22.03	0.1596
	535998	15KHZ 535998 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.85	22.10	0.1622
	535998	15KHZ 535998 DFT-s-OFDM QPSK Inner 1RB Right	22.7	21.95	0.1567
	535998	15KHZ 535998 DFT-s-OFDM QPSK Inner 1RB Left	22.84	22.09	0.1618
	535998	15KHZ 535998 DFT-s-OFDM PI/2 BPSK Inner Full	22.72	21.97	0.1574
	535998	15KHZ 535998 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.95	21.20	0.1318
	535998	15KHZ 535998 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.84	21.09	0.1285
	535998	15KHZ 535998 DFT-s-OFDM PI/2 BPSK Outer Full	21.85	21.10	0.1288
	535998	15KHZ 535998 DFT-s-OFDM QPSK Inner Full	22.73	21.98	0.1578
	535998	15KHZ 535998 DFT-s-OFDM QPSK Edge 1RB Left	21.87	21.12	0.1294
	535998	15KHZ 535998 DFT-s-OFDM QPSK Edge 1RB Right	21.78	21.03	0.1268
	535998	15KHZ 535998 DFT-s-OFDM QPSK Outer Full	21.87	21.12	0.1294
	535998	15KHZ 535998 DFT-s-OFDM 16QAM Inner Full	21.87	21.12	0.1294
	535998	15KHZ 535998 DFT-s-OFDM 16QAM Edge 1RB Left	21.04	20.29	0.1069
	535998	15KHZ 535998 DFT-s-OFDM 16QAM Edge 1RB Right	20.92	20.17	0.1040
	535998	15KHZ 535998 DFT-s-OFDM 16QAM Outer Full	20.91	20.16	0.1038
	535998	15KHZ 535998 DFT-s-OFDM 64QAM Edge 1RB Left	20.31	19.56	0.0904
	535998	15KHZ 535998 DFT-s-OFDM 64QAM Edge 1RB Right	20.24	19.49	0.0889
	535998	15KHZ 535998 DFT-s-OFDM 64QAM Outer Full	20.38	19.63	0.0918
	535998	15KHZ 535998 CP-OFDM QPSK Inner Full	21.34	20.59	0.1146
	535998	15KHZ 535998 CP-OFDM QPSK Edge 1RB Left	19.93	19.18	0.0828
	535998	15KHZ 535998 CP-OFDM QPSK Edge 1RB Right	19.84	19.09	0.0811
	535998	15KHZ 535998 CP-OFDM QPSK Outer Full	19.85	19.10	0.0813
	535998	15KHZ 535998 CP-OFDM 16QAM Inner Full	20.87	20.12	0.1028
	535998	15KHZ 535998 CP-OFDM 16QAM Edge 1RB Left	19.95	19.20	0.0832
	535998	15KHZ 535998 CP-OFDM 16QAM Edge 1RB Right	19.93	19.18	0.0828
	535998	15KHZ 535998 CP-OFDM 16QAM Outer Full	19.91	19.16	0.0824
	535998	15KHZ 535998 CP-OFDM 64QAM Edge 1RB Left	19.33	18.58	0.0721
	535998	15KHZ 535998 CP-OFDM 64QAM Edge 1RB Right	19.3	18.55	0.0716
	535998	15KHZ 535998 CP-OFDM 64QAM Outer Full	19.37	18.62	0.0728

40M	Channel	TestItem		MeasuredValue	EIRP power (dbm)	EIRP power (dbm)
	503202	30KHZ	503202 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.63	21.88	0.1542
	503202	30KHZ	503202 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.58	21.83	0.1524
	503202	30KHZ	503202 DFT-s-OFDM QPSK Inner 1RB Right	22.32	21.57	0.1435
	503202	30KHZ	503202 DFT-s-OFDM QPSK Inner 1RB Left	22.11	21.36	0.1368
	503202	30KHZ	503202 DFT-s-OFDM PI/2 BPSK Inner Full	22.36	21.61	0.1449
	503202	30KHZ	503202 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.35	21.60	0.1445
	503202	30KHZ	503202 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.43	21.68	0.1472
	503202	30KHZ	503202 DFT-s-OFDM PI/2 BPSK Outer Full	22.36	21.61	0.1449
	503202	30KHZ	503202 DFT-s-OFDM QPSK Inner Full	22.52	21.77	0.1503
	503202	30KHZ	503202 DFT-s-OFDM QPSK Edge 1RB Left	22.3	21.55	0.1429
	503202	30KHZ	503202 DFT-s-OFDM QPSK Edge 1RB Right	22.36	21.61	0.1449
	503202	30KHZ	503202 DFT-s-OFDM QPSK Outer Full	22.36	21.61	0.1449
	503202	30KHZ	503202 DFT-s-OFDM 16QAM Inner Full	22.36	21.61	0.1449
	503202	30KHZ	503202 DFT-s-OFDM 16QAM Edge 1RB Left	21.48	20.73	0.1183
	503202	30KHZ	503202 DFT-s-OFDM 16QAM Edge 1RB Right	21.51	20.76	0.1191
	503202	30KHZ	503202 DFT-s-OFDM 16QAM Outer Full	21.37	20.62	0.1153
	503202	30KHZ	503202 DFT-s-OFDM 64QAM Edge 1RB Left	20.77	20.02	0.1005
	503202	30KHZ	503202 DFT-s-OFDM 64QAM Edge 1RB Right	20.84	20.09	0.1021
	503202	30KHZ	503202 DFT-s-OFDM 64QAM Outer Full	20.89	20.14	0.1033
	503202	30KHZ	503202 CP-OFDM QPSK Inner Full	21.86	21.11	0.1291
	503202	30KHZ	503202 CP-OFDM QPSK Edge 1RB Left	20.39	19.64	0.0920
	503202	30KHZ	503202 CP-OFDM QPSK Edge 1RB Right	20.41	19.66	0.0925
	503202	30KHZ	503202 CP-OFDM QPSK Outer Full	20.4	19.65	0.0923
	503202	30KHZ	503202 CP-OFDM 16QAM Inner Full	21.37	20.62	0.1153
	503202	30KHZ	503202 CP-OFDM 16QAM Edge 1RB Left	20.41	19.66	0.0925
	503202	30KHZ	503202 CP-OFDM 16QAM Edge 1RB Right	20.43	19.68	0.0929
	503202	30KHZ	503202 CP-OFDM 16QAM Outer Full	20.37	19.62	0.0916
	503202	30KHZ	503202 CP-OFDM 64QAM Edge 1RB Left	19.83	19.08	0.0809
	503202	30KHZ	503202 CP-OFDM 64QAM Edge 1RB Right	19.82	19.07	0.0807
	503202	30KHZ	503202 CP-OFDM 64QAM Outer Full	19.86	19.11	0.0815
	518598	30KHZ	518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.52	21.77	0.1503
	518598	30KHZ	518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.85	22.10	0.1622
	518598	30KHZ	518598 DFT-s-OFDM QPSK Inner 1RB Right	22.71	21.96	0.1570
	518598	30KHZ	518598 DFT-s-OFDM QPSK Inner 1RB Left	22.56	21.81	0.1517
	518598	30KHZ	518598 DFT-s-OFDM PI/2 BPSK Inner Full	22.16	21.41	0.1384
	518598	30KHZ	518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.18	21.43	0.1390
	518598	30KHZ	518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.53	21.78	0.1507
	518598	30KHZ	518598 DFT-s-OFDM PI/2 BPSK Outer Full	22.33	21.58	0.1439
	518598	30KHZ	518598 DFT-s-OFDM QPSK Inner Full	23.19	22.44	0.1754
	518598	30KHZ	518598 DFT-s-OFDM QPSK Edge 1RB Left	22.11	21.36	0.1368
	518598	30KHZ	518598 DFT-s-OFDM QPSK Edge 1RB Right	22.45	21.70	0.1479
	518598	30KHZ	518598 DFT-s-OFDM QPSK Outer Full	22.33	21.58	0.1439
	518598	30KHZ	518598 DFT-s-OFDM 16QAM Inner Full	22.32	21.57	0.1435
	518598	30KHZ	518598 DFT-s-OFDM 16QAM Edge 1RB Left	21.06	20.31	0.1074
	518598	30KHZ	518598 DFT-s-OFDM 16QAM Edge 1RB Right	21.4	20.65	0.1161
	518598	30KHZ	518598 DFT-s-OFDM 16QAM Outer Full	21.37	20.62	0.1153
	518598	30KHZ	518598 DFT-s-OFDM 64QAM Edge 1RB Left	20.59	19.84	0.0964
	518598	30KHZ	518598 DFT-s-OFDM 64QAM Edge 1RB Right	21.01	20.26	0.1062
	518598	30KHZ	518598 DFT-s-OFDM 64QAM Outer Full	20.89	20.14	0.1033
	518598	30KHZ	518598 CP-OFDM QPSK Inner Full	21.82	21.07	0.1279
	518598	30KHZ	518598 CP-OFDM QPSK Edge 1RB Left	20.22	19.47	0.0885
	518598	30KHZ	518598 CP-OFDM QPSK Edge 1RB Right	20.55	19.80	0.0955
	518598	30KHZ	518598 CP-OFDM QPSK Outer Full	20.39	19.64	0.0920
	518598	30KHZ	518598 CP-OFDM 16QAM Inner Full	21.36	20.61	0.1151
	518598	30KHZ	518598 CP-OFDM 16QAM Edge 1RB Left	20.21	19.46	0.0883
	518598	30KHZ	518598 CP-OFDM 16QAM Edge 1RB Right	20.49	19.74	0.0942
	518598	30KHZ	518598 CP-OFDM 16QAM Outer Full	20.35	19.60	0.0912
	518598	30KHZ	518598 CP-OFDM 64QAM Edge 1RB Left	19.82	19.07	0.0807
	518598	30KHZ	518598 CP-OFDM 64QAM Edge 1RB Right	20.15	19.40	0.0871
	518598	30KHZ	518598 CP-OFDM 64QAM Outer Full	19.82	19.07	0.0807
	534000	30KHZ	534000 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	23.17	22.42	0.1746
	534000	30KHZ	534000 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	23.4	22.65	0.1841
	534000	30KHZ	534000 DFT-s-OFDM QPSK Inner 1RB Right	22.86	22.11	0.1626
	534000	30KHZ	534000 DFT-s-OFDM QPSK Inner 1RB Left	22.32	21.57	0.1435
	534000	30KHZ	534000 DFT-s-OFDM PI/2 BPSK Inner Full	22.41	21.66	0.1466
	534000	30KHZ	534000 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.47	21.72	0.1486
	534000	30KHZ	534000 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.31	21.56	0.1432
	534000	30KHZ	534000 DFT-s-OFDM PI/2 BPSK Outer Full	22.41	21.66	0.1466
	534000	30KHZ	534000 DFT-s-OFDM QPSK Inner Full	23.23	22.48	0.1770
	534000	30KHZ	534000 DFT-s-OFDM QPSK Edge 1RB Left	22.35	21.60	0.1445
	534000	30KHZ	534000 DFT-s-OFDM QPSK Edge 1RB Right	22.22	21.47	0.1403
	534000	30KHZ	534000 DFT-s-OFDM QPSK Outer Full	22.43	21.68	0.1472
	534000	30KHZ	534000 DFT-s-OFDM 16QAM Inner Full	22.37	21.62	0.1452
	534000	30KHZ	534000 DFT-s-OFDM 16QAM Edge 1RB Left	21.56	20.81	0.1205
	534000	30KHZ	534000 DFT-s-OFDM 16QAM Edge 1RB Right	21.39	20.64	0.1159
	534000	30KHZ	534000 DFT-s-OFDM 16QAM Outer Full	21.39	20.64	0.1159
	534000	30KHZ	534000 DFT-s-OFDM 64QAM Edge 1RB Left	20.84	20.09	0.1021
	534000	30KHZ	534000 DFT-s-OFDM 64QAM Edge 1RB Right	20.75	20.00	0.1000
	534000	30KHZ	534000 DFT-s-OFDM 64QAM Outer Full	20.94	20.19	0.1045
	534000	30KHZ	534000 CP-OFDM QPSK Inner Full	21.86	21.11	0.1291
	534000	30KHZ	534000 CP-OFDM QPSK Edge 1RB Left	20.47	19.72	0.0938
	534000	30KHZ	534000 CP-OFDM QPSK Edge 1RB Right	20.3	19.55	0.0902
	534000	30KHZ	534000 CP-OFDM QPSK Outer Full	20.41	19.66	0.0925
	534000	30KHZ	534000 CP-OFDM 16QAM Inner Full	21.35	20.60	0.1148
	534000	30KHZ	534000 CP-OFDM 16QAM Edge 1RB Left	20.45	19.70	0.0933
	534000	30KHZ	534000 CP-OFDM 16QAM Edge 1RB Right	20.25	19.50	0.0891
	534000	30KHZ	534000 CP-OFDM 16QAM Outer Full	20.39	19.64	0.0920
	534000	30KHZ	534000 CP-OFDM 64QAM Edge 1RB Left	19.89	19.14	0.0820
	534000	30KHZ	534000 CP-OFDM 64QAM Edge 1RB Right	19.69	18.94	0.0783
	534000	30KHZ	534000 CP-OFDM 64QAM Outer Full	19.93	19.18	0.0828

50M	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (dbm)
	504204	30KHZ 504204 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.87	22.12	0.1629
	504204	30KHZ 504204 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.9	22.15	0.1641
	504204	30KHZ 504204 DFT-s-OFDM QPSK Inner 1RB Right	22.82	22.07	0.1611
	504204	30KHZ 504204 DFT-s-OFDM QPSK Inner 1RB Left	22.85	22.10	0.1622
	504204	30KHZ 504204 DFT-s-OFDM PI/2 BPSK Inner Full	22.96	22.21	0.1663
	504204	30KHZ 504204 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.01	21.26	0.1337
	504204	30KHZ 504204 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.99	21.24	0.1330
	504204	30KHZ 504204 DFT-s-OFDM PI/2 BPSK Outer Full	22.01	21.26	0.1337
	504204	30KHZ 504204 DFT-s-OFDM QPSK Inner Full	22.96	22.21	0.1663
	504204	30KHZ 504204 DFT-s-OFDM QPSK Edge 1RB Left	21.94	21.19	0.1315
	504204	30KHZ 504204 DFT-s-OFDM QPSK Edge 1RB Right	21.89	21.14	0.1300
	504204	30KHZ 504204 DFT-s-OFDM QPSK Outer Full	22	21.25	0.1334
	504204	30KHZ 504204 DFT-s-OFDM 16QAM Inner Full	22.07	21.32	0.1355
	504204	30KHZ 504204 DFT-s-OFDM 16QAM Edge 1RB Left	21.14	20.39	0.1094
	504204	30KHZ 504204 DFT-s-OFDM 16QAM Edge 1RB Right	21.12	20.37	0.1089
	504204	30KHZ 504204 DFT-s-OFDM 16QAM Outer Full	21.09	20.34	0.1081
	504204	30KHZ 504204 DFT-s-OFDM 64QAM Edge 1RB Left	20.37	19.62	0.0916
	504204	30KHZ 504204 DFT-s-OFDM 64QAM Edge 1RB Right	20.29	19.54	0.0899
	504204	30KHZ 504204 DFT-s-OFDM 64QAM Outer Full	20.53	19.78	0.0951
	504204	30KHZ 504204 CP-OFDM QPSK Inner Full	21.56	20.81	0.1205
	504204	30KHZ 504204 CP-OFDM QPSK Edge 1RB Left	19.97	19.22	0.0836
	504204	30KHZ 504204 CP-OFDM QPSK Edge 1RB Right	20.02	19.27	0.0845
	504204	30KHZ 504204 CP-OFDM QPSK Outer Full	20.15	19.40	0.0871
	504204	30KHZ 504204 CP-OFDM 16QAM Inner Full	21.05	20.30	0.1072
	504204	30KHZ 504204 CP-OFDM 16QAM Edge 1RB Left	19.99	19.24	0.0839
	504204	30KHZ 504204 CP-OFDM 16QAM Edge 1RB Right	20	19.25	0.0841
	504204	30KHZ 504204 CP-OFDM 16QAM Outer Full	20.03	19.28	0.0847
	504204	30KHZ 504204 CP-OFDM 64QAM Edge 1RB Left	19.41	18.66	0.0735
	504204	30KHZ 504204 CP-OFDM 64QAM Edge 1RB Right	19.42	18.67	0.0736
	504204	30KHZ 504204 CP-OFDM 64QAM Outer Full	19.59	18.84	0.0766
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	23.07	22.32	0.1706
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.63	21.88	0.1542
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Right	23.07	22.32	0.1706
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Left	22.57	21.82	0.1521
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner Full	22.9	22.15	0.1641
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.76	21.01	0.1262
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.17	21.42	0.1387
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Outer Full	21.96	21.21	0.1321
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner Full	22.88	22.13	0.1633
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Left	21.67	20.92	0.1236
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Right	22.14	21.39	0.1377
	518598	30KHZ 518598 DFT-s-OFDM QPSK Outer Full	21.96	21.21	0.1321
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Inner Full	22.05	21.30	0.1349
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Left	20.91	20.16	0.1038
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Right	21.36	20.61	0.1151
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Outer Full	21.02	20.27	0.1064
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Left	20.15	19.40	0.0871
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Right	20.64	19.89	0.0975
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Outer Full	20.44	19.69	0.0931
	518598	30KHZ 518598 CP-OFDM QPSK Inner Full	21.34	20.59	0.1146
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Left	19.72	18.97	0.0789
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Right	20.21	19.46	0.0883
	518598	30KHZ 518598 CP-OFDM QPSK Outer Full	19.94	19.19	0.0830
	518598	30KHZ 518598 CP-OFDM 16QAM Inner Full	21	20.25	0.1059
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Left	19.77	19.02	0.0798
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Right	20.2	19.45	0.0881
	518598	30KHZ 518598 CP-OFDM 16QAM Outer Full	19.97	19.22	0.0836
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Left	19.08	18.33	0.0681
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Right	19.66	18.91	0.0778
	518598	30KHZ 518598 CP-OFDM 64QAM Outer Full	19.46	18.71	0.0743
	532998	30KHZ 532998 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.82	22.07	0.1611
	532998	30KHZ 532998 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.97	22.22	0.1667
	532998	30KHZ 532998 DFT-s-OFDM QPSK Inner 1RB Right	22.74	21.99	0.1581
	532998	30KHZ 532998 DFT-s-OFDM QPSK Inner 1RB Left	22.97	22.22	0.1667
	532998	30KHZ 532998 DFT-s-OFDM PI/2 BPSK Inner Full	22.84	22.09	0.1618
	532998	30KHZ 532998 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.12	21.37	0.1371
	532998	30KHZ 532998 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.94	21.19	0.1315
	532998	30KHZ 532998 DFT-s-OFDM PI/2 BPSK Outer Full	21.93	21.18	0.1312
	532998	30KHZ 532998 DFT-s-OFDM QPSK Inner Full	22.83	22.08	0.1614
	532998	30KHZ 532998 DFT-s-OFDM QPSK Edge 1RB Left	22.06	21.31	0.1352
	532998	30KHZ 532998 DFT-s-OFDM QPSK Edge 1RB Right	21.88	21.13	0.1297
	532998	30KHZ 532998 DFT-s-OFDM QPSK Outer Full	21.94	21.19	0.1315
	532998	30KHZ 532998 DFT-s-OFDM 16QAM Inner Full	21.93	21.18	0.1312
	532998	30KHZ 532998 DFT-s-OFDM 16QAM Edge 1RB Left	21.2	20.45	0.1109
	532998	30KHZ 532998 DFT-s-OFDM 16QAM Edge 1RB Right	21.04	20.29	0.1069
	532998	30KHZ 532998 DFT-s-OFDM 16QAM Outer Full	20.98	20.23	0.1054
	532998	30KHZ 532998 DFT-s-OFDM 64QAM Edge 1RB Left	20.53	19.78	0.0951
	532998	30KHZ 532998 DFT-s-OFDM 64QAM Edge 1RB Right	20.3	19.55	0.0902
	532998	30KHZ 532998 DFT-s-OFDM 64QAM Outer Full	20.39	19.64	0.0920
	532998	30KHZ 532998 CP-OFDM QPSK Inner Full	21.38	20.63	0.1156
	532998	30KHZ 532998 CP-OFDM QPSK Edge 1RB Left	20.12	19.37	0.0865
	532998	30KHZ 532998 CP-OFDM QPSK Edge 1RB Right	19.93	19.18	0.0828
	532998	30KHZ 532998 CP-OFDM QPSK Outer Full	19.92	19.17	0.0826
	532998	30KHZ 532998 CP-OFDM 16QAM Inner Full	20.97	20.22	0.1052
	532998	30KHZ 532998 CP-OFDM 16QAM Edge 1RB Left	20.14	19.39	0.0869
	532998	30KHZ 532998 CP-OFDM 16QAM Edge 1RB Right	20.04	19.29	0.0849
	532998	30KHZ 532998 CP-OFDM 16QAM Outer Full	19.93	19.18	0.0828
	532998	30KHZ 532998 CP-OFDM 64QAM Edge 1RB Left	19.52	18.77	0.0753
	532998	30KHZ 532998 CP-OFDM 64QAM Edge 1RB Right	19.37	18.62	0.0728
	532998	30KHZ 532998 CP-OFDM 64QAM Outer Full	19.56	18.81	0.0760

60M	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (dbm)
	505200	30KHZ 505200 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.75	22.00	0.1585
	505200	30KHZ 505200 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.89	22.14	0.1637
	505200	30KHZ 505200 DFT-s-OFDM QPSK Inner 1RB Right	22.72	21.97	0.1574
	505200	30KHZ 505200 DFT-s-OFDM QPSK Inner 1RB Left	22.81	22.06	0.1607
	505200	30KHZ 505200 DFT-s-OFDM PI/2 BPSK Inner Full	22.88	22.13	0.1633
	505200	30KHZ 505200 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.92	21.17	0.1309
	505200	30KHZ 505200 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.83	21.08	0.1282
	505200	30KHZ 505200 DFT-s-OFDM PI/2 BPSK Outer Full	21.97	21.22	0.1324
	505200	30KHZ 505200 DFT-s-OFDM QPSK Inner Full	22.88	22.13	0.1633
	505200	30KHZ 505200 DFT-s-OFDM QPSK Edge 1RB Left	21.8	21.05	0.1274
	505200	30KHZ 505200 DFT-s-OFDM QPSK Edge 1RB Right	21.84	21.09	0.1285
	505200	30KHZ 505200 DFT-s-OFDM QPSK Outer Full	21.97	21.22	0.1324
	505200	30KHZ 505200 DFT-s-OFDM 16QAM Inner Full	22.03	21.28	0.1343
	505200	30KHZ 505200 DFT-s-OFDM 16QAM Edge 1RB Left	21.06	20.31	0.1074
	505200	30KHZ 505200 DFT-s-OFDM 16QAM Edge 1RB Right	20.96	20.21	0.1050
	505200	30KHZ 505200 DFT-s-OFDM 16QAM Outer Full	21.03	20.28	0.1067
	505200	30KHZ 505200 DFT-s-OFDM 64QAM Edge 1RB Left	20.34	19.59	0.0910
	505200	30KHZ 505200 DFT-s-OFDM 64QAM Edge 1RB Right	20.21	19.46	0.0883
	505200	30KHZ 505200 DFT-s-OFDM 64QAM Outer Full	20.51	19.76	0.0946
	505200	30KHZ 505200 CP-OFDM QPSK Inner Full	21.49	20.74	0.1186
	505200	30KHZ 505200 CP-OFDM QPSK Edge 1RB Left	19.98	19.23	0.0838
	505200	30KHZ 505200 CP-OFDM QPSK Edge 1RB Right	19.88	19.13	0.0818
	505200	30KHZ 505200 CP-OFDM QPSK Outer Full	20.03	19.28	0.0847
	505200	30KHZ 505200 CP-OFDM 16QAM Inner Full	21.04	20.29	0.1069
	505200	30KHZ 505200 CP-OFDM 16QAM Edge 1RB Left	20.01	19.26	0.0843
	505200	30KHZ 505200 CP-OFDM 16QAM Edge 1RB Right	19.88	19.13	0.0818
	505200	30KHZ 505200 CP-OFDM 16QAM Outer Full	19.98	19.23	0.0838
	505200	30KHZ 505200 CP-OFDM 64QAM Edge 1RB Left	19.34	18.59	0.0723
	505200	30KHZ 505200 CP-OFDM 64QAM Edge 1RB Right	19.3	18.55	0.0716
	505200	30KHZ 505200 CP-OFDM 64QAM Outer Full	19.41	18.66	0.0735
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.99	22.24	0.1675
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.57	21.82	0.1521
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Right	22.96	22.21	0.1663
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Left	22.54	21.79	0.1510
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner Full	22.91	22.16	0.1644
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.69	20.94	0.1242
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.15	21.40	0.1380
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Outer Full	21.99	21.24	0.1330
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner Full	22.84	22.09	0.1618
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Left	21.6	20.85	0.1216
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Right	22.03	21.28	0.1343
	518598	30KHZ 518598 DFT-s-OFDM QPSK Outer Full	21.99	21.24	0.1330
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Inner Full	21.96	21.21	0.1321
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Left	20.8	20.05	0.1012
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Right	21.23	20.48	0.1117
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Outer Full	21.01	20.26	0.1062
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Left	20.07	19.32	0.0855
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Right	20.49	19.74	0.0942
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Outer Full	20.5	19.75	0.0944
	518598	30KHZ 518598 CP-OFDM QPSK Inner Full	21.45	20.70	0.1175
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Left	19.78	19.03	0.0800
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Right	20.18	19.43	0.0877
	518598	30KHZ 518598 CP-OFDM QPSK Outer Full	19.96	19.21	0.0834
	518598	30KHZ 518598 CP-OFDM 16QAM Inner Full	20.98	20.23	0.1054
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Left	19.7	18.95	0.0785
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Right	20.23	19.48	0.0887
	518598	30KHZ 518598 CP-OFDM 16QAM Outer Full	19.99	19.24	0.0839
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Left	19.13	18.38	0.0689
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Right	19.59	18.84	0.0766
	518598	30KHZ 518598 CP-OFDM 64QAM Outer Full	19.49	18.74	0.0748
	531996	30KHZ 531996 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.78	22.03	0.1596
	531996	30KHZ 531996 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.99	22.24	0.1675
	531996	30KHZ 531996 DFT-s-OFDM QPSK Inner 1RB Right	22.73	21.98	0.1578
	531996	30KHZ 531996 DFT-s-OFDM QPSK Inner 1RB Left	22.91	22.16	0.1644
	531996	30KHZ 531996 DFT-s-OFDM PI/2 BPSK Inner Full	22.92	22.17	0.1648
	531996	30KHZ 531996 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.08	21.33	0.1358
	531996	30KHZ 531996 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.91	21.16	0.1306
	531996	30KHZ 531996 DFT-s-OFDM PI/2 BPSK Outer Full	22.03	21.28	0.1343
	531996	30KHZ 531996 DFT-s-OFDM QPSK Inner Full	22.92	22.17	0.1648
	531996	30KHZ 531996 DFT-s-OFDM QPSK Edge 1RB Left	22.01	21.26	0.1337
	531996	30KHZ 531996 DFT-s-OFDM QPSK Edge 1RB Right	21.87	21.12	0.1294
	531996	30KHZ 531996 DFT-s-OFDM QPSK Outer Full	22.03	21.28	0.1343
	531996	30KHZ 531996 DFT-s-OFDM 16QAM Inner Full	22.03	21.28	0.1343
	531996	30KHZ 531996 DFT-s-OFDM 16QAM Edge 1RB Left	21.23	20.48	0.1117
	531996	30KHZ 531996 DFT-s-OFDM 16QAM Edge 1RB Right	21.07	20.32	0.1076
	531996	30KHZ 531996 DFT-s-OFDM 16QAM Outer Full	21.07	20.32	0.1076
	531996	30KHZ 531996 DFT-s-OFDM 64QAM Edge 1RB Left	20.49	19.74	0.0942
	531996	30KHZ 531996 DFT-s-OFDM 64QAM Edge 1RB Right	20.36	19.61	0.0914
	531996	30KHZ 531996 DFT-s-OFDM 64QAM Outer Full	20.56	19.81	0.0957
	531996	30KHZ 531996 CP-OFDM QPSK Inner Full	21.52	20.77	0.1194
	531996	30KHZ 531996 CP-OFDM QPSK Edge 1RB Left	20.09	19.34	0.0859
	531996	30KHZ 531996 CP-OFDM QPSK Edge 1RB Right	19.95	19.20	0.0832
	531996	30KHZ 531996 CP-OFDM QPSK Outer Full	20.02	19.27	0.0845
	531996	30KHZ 531996 CP-OFDM 16QAM Inner Full	21.03	20.28	0.1067
	531996	30KHZ 531996 CP-OFDM 16QAM Edge 1RB Left	20.11	19.36	0.0863
	531996	30KHZ 531996 CP-OFDM 16QAM Edge 1RB Right	20	19.25	0.0841
	531996	30KHZ 531996 CP-OFDM 16QAM Outer Full	20.04	19.29	0.0849
	531996	30KHZ 531996 CP-OFDM 64QAM Edge 1RB Left	19.53	18.78	0.0755
	531996	30KHZ 531996 CP-OFDM 64QAM Edge 1RB Right	19.36	18.61	0.0726
	531996	30KHZ 531996 CP-OFDM 64QAM Outer Full	19.56	18.81	0.0760

80M	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (W)
	507204	30KHZ 507204 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.69	21.94	0.1563
	507204	30KHZ 507204 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.85	22.10	0.1622
	507204	30KHZ 507204 DFT-s-OFDM QPSK Inner 1RB Right	22.66	21.91	0.1552
	507204	30KHZ 507204 DFT-s-OFDM QPSK Inner 1RB Left	22.9	22.15	0.1641
	507204	30KHZ 507204 DFT-s-OFDM PI/2 BPSK Inner Full	22.84	22.09	0.1618
	507204	30KHZ 507204 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.93	21.18	0.1312
	507204	30KHZ 507204 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.82	21.07	0.1279
	507204	30KHZ 507204 DFT-s-OFDM PI/2 BPSK Outer Full	21.99	21.24	0.1330
	507204	30KHZ 507204 DFT-s-OFDM QPSK Inner Full	22.85	22.10	0.1622
	507204	30KHZ 507204 DFT-s-OFDM QPSK Edge 1RB Left	21.89	21.14	0.1300
	507204	30KHZ 507204 DFT-s-OFDM QPSK Edge 1RB Right	21.75	21.00	0.1259
	507204	30KHZ 507204 DFT-s-OFDM QPSK Outer Full	21.94	21.19	0.1315
	507204	30KHZ 507204 DFT-s-OFDM 16QAM Inner Full	21.94	21.19	0.1315
	507204	30KHZ 507204 DFT-s-OFDM 16QAM Edge 1RB Left	21.12	20.37	0.1089
	507204	30KHZ 507204 DFT-s-OFDM 16QAM Edge 1RB Right	20.94	20.19	0.1045
	507204	30KHZ 507204 DFT-s-OFDM 16QAM Outer Full	21	20.25	0.1059
	507204	30KHZ 507204 DFT-s-OFDM 64QAM Edge 1RB Left	20.39	19.64	0.0920
	507204	30KHZ 507204 DFT-s-OFDM 64QAM Edge 1RB Right	20.25	19.50	0.0891
	507204	30KHZ 507204 DFT-s-OFDM 64QAM Outer Full	20.52	19.77	0.0948
	507204	30KHZ 507204 CP-OFDM QPSK Inner Full	21.48	20.73	0.1183
	507204	30KHZ 507204 CP-OFDM QPSK Edge 1RB Left	19.98	19.23	0.0838
	507204	30KHZ 507204 CP-OFDM QPSK Edge 1RB Right	19.8	19.05	0.0804
	507204	30KHZ 507204 CP-OFDM QPSK Outer Full	20.04	19.29	0.0849
	507204	30KHZ 507204 CP-OFDM 16QAM Inner Full	20.94	20.19	0.1045
	507204	30KHZ 507204 CP-OFDM 16QAM Edge 1RB Left	20.02	19.27	0.0845
	507204	30KHZ 507204 CP-OFDM 16QAM Edge 1RB Right	19.85	19.10	0.0813
	507204	30KHZ 507204 CP-OFDM 16QAM Outer Full	20.01	19.26	0.0843
	507204	30KHZ 507204 CP-OFDM 64QAM Edge 1RB Left	19.38	18.63	0.0729
	507204	30KHZ 507204 CP-OFDM 64QAM Edge 1RB Right	19.25	18.50	0.0708
	507204	30KHZ 507204 CP-OFDM 64QAM Outer Full	19.55	18.80	0.0759
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	23.02	22.27	0.1687
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.75	22.00	0.1585
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Right	22.95	22.20	0.1660
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Left	22.63	21.88	0.1542
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner Full	22.94	22.19	0.1656
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.84	21.09	0.1285
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.18	21.43	0.1390
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Outer Full	22.01	21.26	0.1337
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner Full	22.94	22.19	0.1656
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Left	21.76	21.01	0.1262
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Right	22.05	21.30	0.1349
	518598	30KHZ 518598 DFT-s-OFDM QPSK Outer Full	21.99	21.24	0.1330
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Inner Full	22.07	21.32	0.1355
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Left	20.97	20.22	0.1052
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Right	21.26	20.51	0.1125
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Outer Full	21.02	20.27	0.1064
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Left	20.17	19.42	0.0875
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Right	20.56	19.81	0.0957
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Outer Full	20.37	19.62	0.0916
	518598	30KHZ 518598 CP-OFDM QPSK Inner Full	21.55	20.80	0.1202
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Left	19.81	19.06	0.0805
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Right	20.1	19.35	0.0861
	518598	30KHZ 518598 CP-OFDM QPSK Outer Full	20.14	19.39	0.0869
	518598	30KHZ 518598 CP-OFDM 16QAM Inner Full	21.02	20.27	0.1064
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Left	19.84	19.09	0.0811
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Right	20.16	19.41	0.0873
	518598	30KHZ 518598 CP-OFDM 16QAM Outer Full	20.01	19.26	0.0843
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Left	19.21	18.46	0.0701
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Right	19.7	18.95	0.0785
	518598	30KHZ 518598 CP-OFDM 64QAM Outer Full	19.52	18.77	0.0753
	529998	30KHZ 529998 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.85	22.10	0.1622
	529998	30KHZ 529998 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	23.1	22.35	0.1718
	529998	30KHZ 529998 DFT-s-OFDM QPSK Inner 1RB Right	22.87	22.12	0.1629
	529998	30KHZ 529998 DFT-s-OFDM QPSK Inner 1RB Left	23.01	22.26	0.1683
	529998	30KHZ 529998 DFT-s-OFDM PI/2 BPSK Inner Full	23	22.25	0.1679
	529998	30KHZ 529998 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.21	21.46	0.1400
	529998	30KHZ 529998 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22	21.25	0.1334
	529998	30KHZ 529998 DFT-s-OFDM PI/2 BPSK Outer Full	22.12	21.37	0.1371
	529998	30KHZ 529998 DFT-s-OFDM QPSK Inner Full	23.02	22.27	0.1687
	529998	30KHZ 529998 DFT-s-OFDM QPSK Edge 1RB Left	22.15	21.40	0.1380
	529998	30KHZ 529998 DFT-s-OFDM QPSK Edge 1RB Right	21.95	21.20	0.1318
	529998	30KHZ 529998 DFT-s-OFDM QPSK Outer Full	22.06	21.31	0.1352
	529998	30KHZ 529998 DFT-s-OFDM 16QAM Inner Full	22.09	21.34	0.1361
	529998	30KHZ 529998 DFT-s-OFDM 16QAM Edge 1RB Left	21.32	20.57	0.1140
	529998	30KHZ 529998 DFT-s-OFDM 16QAM Edge 1RB Right	21.12	20.37	0.1089
	529998	30KHZ 529998 DFT-s-OFDM 16QAM Outer Full	21.12	20.37	0.1089
	529998	30KHZ 529998 DFT-s-OFDM 64QAM Edge 1RB Left	20.55	19.80	0.0955
	529998	30KHZ 529998 DFT-s-OFDM 64QAM Edge 1RB Right	20.36	19.61	0.0914
	529998	30KHZ 529998 DFT-s-OFDM 64QAM Outer Full	20.64	19.89	0.0975
	529998	30KHZ 529998 CP-OFDM QPSK Inner Full	21.56	20.81	0.1205
	529998	30KHZ 529998 CP-OFDM QPSK Edge 1RB Left	20.12	19.37	0.0865
	529998	30KHZ 529998 CP-OFDM QPSK Edge 1RB Right	19.93	19.18	0.0828
	529998	30KHZ 529998 CP-OFDM QPSK Outer Full	20.17	19.42	0.0875
	529998	30KHZ 529998 CP-OFDM 16QAM Inner Full	21.12	20.37	0.1089
	529998	30KHZ 529998 CP-OFDM 16QAM Edge 1RB Left	20.22	19.47	0.0885
	529998	30KHZ 529998 CP-OFDM 16QAM Edge 1RB Right	20.03	19.28	0.0847
	529998	30KHZ 529998 CP-OFDM 16QAM Outer Full	20.19	19.44	0.0879
	529998	30KHZ 529998 CP-OFDM 64QAM Edge 1RB Left	19.56	18.81	0.0760
	529998	30KHZ 529998 CP-OFDM 64QAM Edge 1RB Right	19.39	18.64	0.0731
	529998	30KHZ 529998 CP-OFDM 64QAM Outer Full	19.64	18.89	0.0774

90M	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (dbm)
	508200	30KHZ 508200 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.68	21.93	0.1560
	508200	30KHZ 508200 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.86	22.11	0.1626
	508200	30KHZ 508200 DFT-s-OFDM QPSK Inner 1RB Right	22.65	21.90	0.1549
	508200	30KHZ 508200 DFT-s-OFDM QPSK Inner 1RB Left	22.87	22.12	0.1629
	508200	30KHZ 508200 DFT-s-OFDM PI/2 BPSK Inner Full	22.79	22.04	0.1600
	508200	30KHZ 508200 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22	21.25	0.1334
	508200	30KHZ 508200 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.82	21.07	0.1279
	508200	30KHZ 508200 DFT-s-OFDM PI/2 BPSK Outer Full	21.95	21.20	0.1318
	508200	30KHZ 508200 DFT-s-OFDM QPSK Inner Full	22.88	22.13	0.1633
	508200	30KHZ 508200 DFT-s-OFDM QPSK Edge 1RB Left	21.93	21.18	0.1312
	508200	30KHZ 508200 DFT-s-OFDM QPSK Edge 1RB Right	21.72	20.97	0.1250
	508200	30KHZ 508200 DFT-s-OFDM QPSK Outer Full	21.93	21.18	0.1312
	508200	30KHZ 508200 DFT-s-OFDM 16QAM Inner Full	21.95	21.20	0.1318
	508200	30KHZ 508200 DFT-s-OFDM 16QAM Edge 1RB Left	21.16	20.41	0.1099
	508200	30KHZ 508200 DFT-s-OFDM 16QAM Edge 1RB Right	20.92	20.17	0.1040
	508200	30KHZ 508200 DFT-s-OFDM 16QAM Outer Full	20.96	20.21	0.1050
	508200	30KHZ 508200 DFT-s-OFDM 64QAM Edge 1RB Left	20.43	19.68	0.0929
	508200	30KHZ 508200 DFT-s-OFDM 64QAM Edge 1RB Right	20.24	19.49	0.0889
	508200	30KHZ 508200 DFT-s-OFDM 64QAM Outer Full	20.5	19.75	0.0944
	508200	30KHZ 508200 CP-OFDM QPSK Inner Full	21.44	20.69	0.1172
	508200	30KHZ 508200 CP-OFDM QPSK Edge 1RB Left	20.01	19.26	0.0843
	508200	30KHZ 508200 CP-OFDM QPSK Edge 1RB Right	19.82	19.07	0.0807
	508200	30KHZ 508200 CP-OFDM QPSK Outer Full	19.99	19.24	0.0839
	508200	30KHZ 508200 CP-OFDM 16QAM Inner Full	20.95	20.20	0.1047
	508200	30KHZ 508200 CP-OFDM 16QAM Edge 1RB Left	20.03	19.28	0.0847
	508200	30KHZ 508200 CP-OFDM 16QAM Edge 1RB Right	19.96	19.21	0.0834
	508200	30KHZ 508200 CP-OFDM 16QAM Outer Full	20.01	19.26	0.0843
	508200	30KHZ 508200 CP-OFDM 64QAM Edge 1RB Left	19.41	18.66	0.0735
	508200	30KHZ 508200 CP-OFDM 64QAM Edge 1RB Right	19.2	18.45	0.0700
	508200	30KHZ 508200 CP-OFDM 64QAM Outer Full	19.52	18.77	0.0753
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	23.08	22.33	0.1710
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.64	21.89	0.1545
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Right	23	22.25	0.1679
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Left	22.63	21.88	0.1542
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner Full	22.95	22.20	0.1660
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.75	21.00	0.1259
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.17	21.42	0.1387
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Outer Full	22.02	21.27	0.1340
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner Full	22.95	22.20	0.1660
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Left	21.71	20.96	0.1247
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Right	22.1	21.35	0.1365
	518598	30KHZ 518598 DFT-s-OFDM QPSK Outer Full	22.05	21.30	0.1349
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Inner Full	22.11	21.36	0.1368
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Left	20.95	20.20	0.1047
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Right	21.33	20.58	0.1143
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Outer Full	21.02	20.27	0.1064
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Left	20.15	19.40	0.0871
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Right	20.57	19.82	0.0959
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Outer Full	20.59	19.84	0.0964
	518598	30KHZ 518598 CP-OFDM QPSK Inner Full	21.59	20.84	0.1213
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Left	19.72	18.97	0.0789
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Right	20.15	19.40	0.0871
	518598	30KHZ 518598 CP-OFDM QPSK Outer Full	20.09	19.34	0.0859
	518598	30KHZ 518598 CP-OFDM 16QAM Inner Full	21.06	20.31	0.1074
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Left	19.77	19.02	0.0798
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Right	20.29	19.54	0.0899
	518598	30KHZ 518598 CP-OFDM 16QAM Outer Full	20.08	19.33	0.0857
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Left	19.15	18.40	0.0692
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Right	19.52	18.77	0.0753
	518598	30KHZ 518598 CP-OFDM 64QAM Outer Full	19.56	18.81	0.0760
	528996	30KHZ 528996 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.84	22.09	0.1618
	528996	30KHZ 528996 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	23.07	22.32	0.1706
	528996	30KHZ 528996 DFT-s-OFDM QPSK Inner 1RB Right	22.81	22.06	0.1607
	528996	30KHZ 528996 DFT-s-OFDM QPSK Inner 1RB Left	23.09	22.34	0.1714
	528996	30KHZ 528996 DFT-s-OFDM PI/2 BPSK Inner Full	22.97	22.22	0.1667
	528996	30KHZ 528996 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.23	21.48	0.1406
	528996	30KHZ 528996 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.92	21.17	0.1309
	528996	30KHZ 528996 DFT-s-OFDM PI/2 BPSK Outer Full	22.09	21.34	0.1361
	528996	30KHZ 528996 DFT-s-OFDM QPSK Inner Full	22.96	22.21	0.1663
	528996	30KHZ 528996 DFT-s-OFDM QPSK Edge 1RB Left	22.16	21.41	0.1384
	528996	30KHZ 528996 DFT-s-OFDM QPSK Edge 1RB Right	21.94	21.19	0.1315
	528996	30KHZ 528996 DFT-s-OFDM QPSK Outer Full	22.09	21.34	0.1361
	528996	30KHZ 528996 DFT-s-OFDM 16QAM Inner Full	22.09	21.34	0.1361
	528996	30KHZ 528996 DFT-s-OFDM 16QAM Edge 1RB Left	21.39	20.64	0.1159
	528996	30KHZ 528996 DFT-s-OFDM 16QAM Edge 1RB Right	21.11	20.36	0.1086
	528996	30KHZ 528996 DFT-s-OFDM 16QAM Outer Full	21.12	20.37	0.1089
	528996	30KHZ 528996 DFT-s-OFDM 64QAM Edge 1RB Left	20.61	19.86	0.0968
	528996	30KHZ 528996 DFT-s-OFDM 64QAM Edge 1RB Right	20.35	19.60	0.0912
	528996	30KHZ 528996 DFT-s-OFDM 64QAM Outer Full	20.63	19.88	0.0973
	528996	30KHZ 528996 CP-OFDM QPSK Inner Full	21.57	20.82	0.1208
	528996	30KHZ 528996 CP-OFDM QPSK Edge 1RB Left	20.16	19.41	0.0873
	528996	30KHZ 528996 CP-OFDM QPSK Edge 1RB Right	20.04	19.29	0.0849
	528996	30KHZ 528996 CP-OFDM QPSK Outer Full	20.14	19.39	0.0869
	528996	30KHZ 528996 CP-OFDM 16QAM Inner Full	21.09	20.34	0.1081
	528996	30KHZ 528996 CP-OFDM 16QAM Edge 1RB Left	20.25	19.50	0.0891
	528996	30KHZ 528996 CP-OFDM 16QAM Edge 1RB Right	20.07	19.32	0.0855
	528996	30KHZ 528996 CP-OFDM 16QAM Outer Full	20.14	19.39	0.0869
	528996	30KHZ 528996 CP-OFDM 64QAM Edge 1RB Left	19.61	18.86	0.0769
	528996	30KHZ 528996 CP-OFDM 64QAM Edge 1RB Right	19.42	18.67	0.0736
	528996	30KHZ 528996 CP-OFDM 64QAM Outer Full	19.64	18.89	0.0774

100M	Channel	TestItem	MeasuredValue	EIRP power (dbm)	EIRP power (dbm)
	509202	30KHZ 509202 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	22.71	21.96	0.1570
	509202	30KHZ 509202 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.85	22.10	0.1622
	509202	30KHZ 509202 DFT-s-OFDM QPSK Inner 1RB Right	22.73	21.98	0.1578
	509202	30KHZ 509202 DFT-s-OFDM QPSK Inner 1RB Left	22.85	22.10	0.1622
	509202	30KHZ 509202 DFT-s-OFDM PI/2 BPSK Inner Full	22.79	22.04	0.1600
	509202	30KHZ 509202 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.04	21.29	0.1346
	509202	30KHZ 509202 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.77	21.02	0.1265
	509202	30KHZ 509202 DFT-s-OFDM PI/2 BPSK Outer Full	21.91	21.16	0.1306
	509202	30KHZ 509202 DFT-s-OFDM QPSK Inner Full	22.75	22.00	0.1585
	509202	30KHZ 509202 DFT-s-OFDM QPSK Edge 1RB Left	21.95	21.20	0.1318
	509202	30KHZ 509202 DFT-s-OFDM QPSK Edge 1RB Right	21.79	21.04	0.1271
	509202	30KHZ 509202 DFT-s-OFDM QPSK Outer Full	21.94	21.19	0.1315
	509202	30KHZ 509202 DFT-s-OFDM 16QAM Inner Full	21.9	21.15	0.1303
	509202	30KHZ 509202 DFT-s-OFDM 16QAM Edge 1RB Left	21.17	20.42	0.1102
	509202	30KHZ 509202 DFT-s-OFDM 16QAM Edge 1RB Right	20.91	20.16	0.1038
	509202	30KHZ 509202 DFT-s-OFDM 16QAM Outer Full	20.96	20.21	0.1050
	509202	30KHZ 509202 DFT-s-OFDM 64QAM Edge 1RB Left	20.46	19.71	0.0935
	509202	30KHZ 509202 DFT-s-OFDM 64QAM Edge 1RB Right	20.2	19.45	0.0881
	509202	30KHZ 509202 DFT-s-OFDM 64QAM Outer Full	20.43	19.68	0.0929
	509202	30KHZ 509202 CP-OFDM QPSK Inner Full	21.38	20.63	0.1156
	509202	30KHZ 509202 CP-OFDM QPSK Edge 1RB Left	19.99	19.24	0.0839
	509202	30KHZ 509202 CP-OFDM QPSK Edge 1RB Right	19.84	19.09	0.0811
	509202	30KHZ 509202 CP-OFDM QPSK Outer Full	20	19.25	0.0841
	509202	30KHZ 509202 CP-OFDM 16QAM Inner Full	20.96	20.21	0.1050
	509202	30KHZ 509202 CP-OFDM 16QAM Edge 1RB Left	20.06	19.31	0.0853
	509202	30KHZ 509202 CP-OFDM 16QAM Edge 1RB Right	19.88	19.13	0.0818
	509202	30KHZ 509202 CP-OFDM 16QAM Outer Full	19.98	19.23	0.0838
	509202	30KHZ 509202 CP-OFDM 64QAM Edge 1RB Left	19.38	18.63	0.0729
	509202	30KHZ 509202 CP-OFDM 64QAM Edge 1RB Right	19.3	18.55	0.0716
	509202	30KHZ 509202 CP-OFDM 64QAM Outer Full	19.5	18.75	0.0750
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	23.02	22.27	0.1687
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	22.74	21.99	0.1581
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Right	22.98	22.23	0.1671
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner 1RB Left	22.68	21.93	0.1560
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Inner Full	22.99	22.24	0.1675
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	21.88	21.13	0.1297
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	22.12	21.37	0.1371
	518598	30KHZ 518598 DFT-s-OFDM PI/2 BPSK Outer Full	21.96	21.21	0.1321
	518598	30KHZ 518598 DFT-s-OFDM QPSK Inner Full	22.96	22.21	0.1663
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Left	21.8	21.05	0.1274
	518598	30KHZ 518598 DFT-s-OFDM QPSK Edge 1RB Right	22.05	21.30	0.1349
	518598	30KHZ 518598 DFT-s-OFDM QPSK Outer Full	21.99	21.24	0.1330
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Inner Full	22.08	21.33	0.1358
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Left	20.97	20.22	0.1052
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Edge 1RB Right	21.16	20.41	0.1099
	518598	30KHZ 518598 DFT-s-OFDM 16QAM Outer Full	21	20.25	0.1059
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Left	20.21	19.46	0.0883
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Edge 1RB Right	20.57	19.82	0.0959
	518598	30KHZ 518598 DFT-s-OFDM 64QAM Outer Full	20.48	19.73	0.0940
	518598	30KHZ 518598 CP-OFDM QPSK Inner Full	21.57	20.82	0.1208
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Left	19.83	19.08	0.0809
	518598	30KHZ 518598 CP-OFDM QPSK Edge 1RB Right	20.11	19.36	0.0863
	518598	30KHZ 518598 CP-OFDM QPSK Outer Full	20.04	19.29	0.0849
	518598	30KHZ 518598 CP-OFDM 16QAM Inner Full	21.11	20.36	0.1086
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Left	19.9	19.15	0.0822
	518598	30KHZ 518598 CP-OFDM 16QAM Edge 1RB Right	20.18	19.43	0.0877
	518598	30KHZ 518598 CP-OFDM 16QAM Outer Full	20.04	19.29	0.0849
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Left	19.25	18.50	0.0708
	518598	30KHZ 518598 CP-OFDM 64QAM Edge 1RB Right	19.6	18.85	0.0767
	518598	30KHZ 518598 CP-OFDM 64QAM Outer Full	19.55	18.80	0.0759
	528000	30KHZ 528000 DFT-s-OFDM PI/2 BPSK Inner 1RB Right	23.04	22.29	0.1694
	528000	30KHZ 528000 DFT-s-OFDM PI/2 BPSK Inner 1RB Left	23.12	22.37	0.1726
	528000	30KHZ 528000 DFT-s-OFDM QPSK Inner 1RB Right	22.83	22.08	0.1614
	528000	30KHZ 528000 DFT-s-OFDM QPSK Inner 1RB Left	23.03	22.28	0.1690
	528000	30KHZ 528000 DFT-s-OFDM PI/2 BPSK Inner Full	23.08	22.33	0.1710
	528000	30KHZ 528000 DFT-s-OFDM PI/2 BPSK Edge 1RB Left	22.16	21.41	0.1384
	528000	30KHZ 528000 DFT-s-OFDM PI/2 BPSK Edge 1RB Right	21.96	21.21	0.1321
	528000	30KHZ 528000 DFT-s-OFDM PI/2 BPSK Outer Full	22.14	21.39	0.1377
	528000	30KHZ 528000 DFT-s-OFDM QPSK Inner Full	23.01	22.26	0.1683
	528000	30KHZ 528000 DFT-s-OFDM QPSK Edge 1RB Left	21.64	20.89	0.1227
	528000	30KHZ 528000 DFT-s-OFDM QPSK Edge 1RB Right	20.29	19.54	0.0899
	528000	30KHZ 528000 DFT-s-OFDM QPSK Outer Full	22.17	21.42	0.1387
	528000	30KHZ 528000 DFT-s-OFDM 16QAM Inner Full	22.17	21.42	0.1387
	528000	30KHZ 528000 DFT-s-OFDM 16QAM Edge 1RB Left	20.87	20.12	0.1028
	528000	30KHZ 528000 DFT-s-OFDM 16QAM Edge 1RB Right	19.44	18.69	0.0740
	528000	30KHZ 528000 DFT-s-OFDM 16QAM Outer Full	21.18	20.43	0.1104
	528000	30KHZ 528000 DFT-s-OFDM 64QAM Edge 1RB Left	20.19	19.44	0.0879
	528000	30KHZ 528000 DFT-s-OFDM 64QAM Edge 1RB Right	18.67	17.92	0.0619
	528000	30KHZ 528000 DFT-s-OFDM 64QAM Outer Full	20.67	19.92	0.0982
	528000	30KHZ 528000 CP-OFDM QPSK Inner Full	21.69	20.94	0.1242
	528000	30KHZ 528000 CP-OFDM QPSK Edge 1RB Left	19.99	19.24	0.0839
	528000	30KHZ 528000 CP-OFDM QPSK Edge 1RB Right	16.71	15.96	0.0394
	528000	30KHZ 528000 CP-OFDM QPSK Outer Full	20.06	19.31	0.0853
	528000	30KHZ 528000 CP-OFDM 16QAM Inner Full	21.31	20.56	0.1138
	528000	30KHZ 528000 CP-OFDM 16QAM Edge 1RB Left	19.99	19.24	0.0839
	528000	30KHZ 528000 CP-OFDM 16QAM Edge 1RB Right	18.47	17.72	0.0592
	528000	30KHZ 528000 CP-OFDM 16QAM Outer Full	20.06	19.31	0.0853
	528000	30KHZ 528000 CP-OFDM 64QAM Edge 1RB Left	19.4	18.65	0.0733
	528000	30KHZ 528000 CP-OFDM 64QAM Edge 1RB Right	17.85	17.10	0.0513
	528000	30KHZ 528000 CP-OFDM 64QAM Outer Full	19.59	18.84	0.0766

**ERP/EIRP**

(EN_DC_41A_n41 DFT-s-OFDM)

DC_41A_n41A / 20MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	1	49	26.33	0.4297	25.58	0.3616
Middle		1	49	26.44	0.4404	25.69	0.3705
Highest		1	49	26.21	0.4179	25.46	0.3517
Lowest	QPSK	1	49	26.36	0.4325	25.61	0.3639
Middle		1	49	26.42	0.4381	25.67	0.3686
Highest		1	49	26.11	0.4082	25.36	0.3435
Lowest	16QAM	1	1	25.73	0.3739	24.98	0.3146
Middle		1	1	25.81	0.3811	25.06	0.3207
Highest		1	1	25.64	0.3669	24.89	0.3087
Lowest	64QAM	1	1	25.14	0.3267	24.39	0.2749
Middle		1	1	25.21	0.3321	24.46	0.2794
Highest		1	1	25.04	0.3191	24.29	0.2685
Limit	EIRP < 2W			Result		PASS	

DC_41A_n41A / 40MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	50	25	26.44	0.4404	25.69	0.3705
Middle		50	25	26.45	0.4421	25.70	0.3720
Highest		50	25	26.43	0.4398	25.68	0.3700
Lowest	QPSK	1	104	26.10	0.4077	25.35	0.3431
Middle		1	104	26.45	0.4421	25.70	0.3720
Highest		1	104	25.90	0.3892	25.15	0.3275
Lowest	16QAM	1	1	25.79	0.3790	25.04	0.3189
Middle		1	1	25.55	0.3586	24.80	0.3017
Highest		1	1	25.88	0.3869	25.13	0.3256
Lowest	64QAM	1	1	25.08	0.3224	24.33	0.2713
Middle		1	1	25.20	0.3314	24.45	0.2789
Highest		1	1	25.10	0.3239	24.35	0.2725
Limit	EIRP < 2W			Result		PASS	



DC_41A_n41A / 50MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	1	1	26.38	0.4341	25.63	0.3653
Middle		1	1	26.38	0.4347	25.63	0.3658
Highest		1	1	26.45	0.4415	25.70	0.3715
Lowest	QPSK	1	131	26.45	0.4415	25.70	0.3715
Middle		1	131	26.43	0.4392	25.68	0.3696
Highest		1	131	26.08	0.4058	25.33	0.3414
Lowest	16QAM	1	1	25.77	0.3773	25.02	0.3174
Middle		1	1	25.69	0.3705	24.94	0.3118
Highest		1	1	25.90	0.3892	25.15	0.3275
Lowest	64QAM	1	1	25.03	0.3188	24.28	0.2683
Middle		1	1	25.14	0.3270	24.39	0.2751
Highest		1	1	25.15	0.3273	24.40	0.2754
Limit	EIRP < 2W			Result		PASS	

DC_41A_n41A / 60MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	1	160	26.44	0.4404	25.69	0.3705
Middle		1	160	26.38	0.4341	25.63	0.3653
Highest		1	160	26.19	0.4164	25.44	0.3503
Lowest	QPSK	81	40	26.43	0.4398	25.68	0.3700
Middle		81	40	26.45	0.4415	25.70	0.3715
Highest		81	40	26.45	0.4415	25.70	0.3715
Lowest	16QAM	1	1	25.75	0.3756	25.00	0.3160
Middle		1	1	25.77	0.3773	25.02	0.3174
Highest		1	1	25.68	0.3697	24.93	0.3111
Lowest	64QAM	1	1	24.88	0.3076	24.13	0.2588
Middle		1	1	24.76	0.2991	24.01	0.2517
Highest		1	1	24.84	0.3050	24.09	0.2566
Limit	EIRP < 2W			Result		PASS	



DC_41A_n41A / 80MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	108	54	26.45	0.4415	25.70	0.3715
Middle		108	54	26.44	0.4409	25.69	0.3710
Highest		108	54	26.43	0.4398	25.68	0.3700
Lowest	QPSK	108	54	26.45	0.4415	25.70	0.3715
Middle		108	54	26.43	0.4398	25.68	0.3700
Highest		108	54	26.45	0.4421	25.70	0.3720
Lowest	16QAM	1	1	25.82	0.3816	25.07	0.3211
Middle		1	1	25.75	0.3756	25.00	0.3160
Highest		1	1	25.61	0.3637	24.86	0.3060
Lowest	64QAM	1	1	25.03	0.3182	24.28	0.2678
Middle		1	1	25.11	0.3242	24.36	0.2728
Highest		1	1	25.18	0.3298	24.43	0.2775
Limit	EIRP < 2W			Result		PASS	

DC_41A_n41A / 90MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	120	60	26.44	0.4409	25.69	0.3710
Middle		120	60	26.45	0.4415	25.70	0.3715
Highest		120	60	26.38	0.4341	25.63	0.3653
Lowest	QPSK	1	243	26.45	0.4415	25.70	0.3715
Middle		1	243	26.29	0.4254	25.54	0.3579
Highest		1	243	26.22	0.4185	25.47	0.3521
Lowest	16QAM	1	1	25.81	0.3811	25.06	0.3207
Middle		1	1	25.75	0.3756	25.00	0.3160
Highest		1	1	25.70	0.3718	24.95	0.3128
Lowest	64QAM	1	1	25.21	0.3321	24.46	0.2794
Middle		1	1	25.16	0.3282	24.41	0.2762
Highest		1	1	25.19	0.3308	24.44	0.2783
Limit	EIRP < 2W			Result		PASS	



DC_41A_n41A / 100MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	135	67	26.43	0.4398	25.68	0.3700
Middle		135	67	26.43	0.4392	25.68	0.3696
Highest		135	67	26.38	0.4341	25.63	0.3653
Lowest	QPSK	135	67	26.43	0.4398	25.68	0.3700
Middle		135	67	26.38	0.4341	25.63	0.3653
Highest		135	67	26.37	0.4336	25.62	0.3648
Lowest	16QAM	1	1	25.68	0.3701	24.93	0.3114
Middle		1	1	25.50	0.3548	24.75	0.2985
Highest		1	1	25.59	0.3625	24.84	0.3050
Lowest	64QAM	1	1	25.19	0.3308	24.44	0.2783
Middle		1	1	25.19	0.3308	24.44	0.2783
Highest		1	1	25.19	0.3305	24.44	0.2781
Limit	EIRP < 2W			Result		PASS	

(EN_DC_n41AA DFT-s-OFDM)

DC_n41AA / 20MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	1	49	26.40	0.4369	25.65	0.3676
Middle		1	49	26.48	0.4442	25.73	0.3738
Highest		1	49	26.20	0.4167	25.45	0.3506
Lowest	QPSK	25	12	26.39	0.4353	25.64	0.3662
Middle		25	12	26.46	0.4425	25.71	0.3724
Highest		25	12	26.37	0.4331	25.62	0.3644
Lowest	16QAM	1	1	25.70	0.3713	24.95	0.3124
Middle		1	1	25.80	0.3800	25.05	0.3197
Highest		1	1	25.66	0.3681	24.91	0.3097
Lowest	64QAM	1	1	24.97	0.3140	24.22	0.2642
Middle		1	1	25.10	0.3236	24.35	0.2723
Highest		1	1	25.19	0.3302	24.44	0.2778
Limit	EIRP < 2W			Result		PASS	



DC_n41AA / 40MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	1	1	26.49	0.4460	25.74	0.3752
Middle		1	1	26.48	0.4442	25.73	0.3738
Highest		1	1	26.50	0.4465	25.75	0.3757
Lowest	QPSK	1	104	26.50	0.4465	25.75	0.3757
Middle		1	104	26.49	0.4460	25.74	0.3752
Highest		1	104	25.95	0.3936	25.20	0.3312
Lowest	16QAM	1	1	25.88	0.3874	25.13	0.3259
Middle		1	1	25.95	0.3932	25.20	0.3308
Highest		1	1	25.95	0.3936	25.20	0.3312
Lowest	64QAM	1	1	25.13	0.3260	24.38	0.2743
Middle		1	1	25.20	0.3311	24.45	0.2786
Highest		1	1	25.22	0.3327	24.47	0.2799
Limit	EIRP < 2W			Result		PASS	

DC_n41AA / 50MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	1	131	26.50	0.4465	25.75	0.3757
Middle		1	131	26.49	0.4460	25.74	0.3752
Highest		1	131	26.10	0.4078	25.35	0.3431
Lowest	QPSK	1	131	26.49	0.4460	25.74	0.3752
Middle		1	131	26.47	0.4437	25.72	0.3733
Highest		1	131	26.05	0.4025	25.30	0.3386
Lowest	16QAM	1	1	25.70	0.3713	24.95	0.3124
Middle		1	1	25.78	0.3787	25.03	0.3187
Highest		1	1	25.95	0.3932	25.20	0.3308
Lowest	64QAM	1	1	25.21	0.3318	24.46	0.2792
Middle		1	1	25.18	0.3296	24.43	0.2773
Highest		1	1	25.22	0.3327	24.47	0.2799
Limit	EIRP < 2W			Result		PASS	



DC_n41AA / 60MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	81	40	26.49	0.4460	25.74	0.3752
Middle		81	40	26.48	0.4442	25.73	0.3738
Highest		81	40	26.50	0.4465	25.75	0.3757
Lowest	QPSK	1	160	26.49	0.4460	25.74	0.3752
Middle		1	160	26.42	0.4386	25.67	0.3690
Highest		1	160	26.31	0.4277	25.56	0.3599
Lowest	16QAM	1	1	25.66	0.3681	24.91	0.3097
Middle		1	1	25.73	0.3746	24.98	0.3152
Highest		1	1	25.71	0.3721	24.96	0.3131
Lowest	64QAM	1	1	25.03	0.3184	24.28	0.2679
Middle		1	1	24.97	0.3140	24.22	0.2642
Highest		1	1	24.92	0.3102	24.17	0.2610
Limit	EIRP < 2W			Result		PASS	

DC_n41AA / 80MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	108	54	26.48	0.4442	25.73	0.3738
Middle		108	54	26.47	0.4437	25.72	0.3733
Highest		108	54	26.49	0.4460	25.74	0.3752
Lowest	QPSK	108	54	26.49	0.4454	25.74	0.3748
Middle		108	54	26.46	0.4431	25.71	0.3728
Highest		108	54	26.42	0.4386	25.67	0.3690
Lowest	16QAM	1	1	25.81	0.3813	25.06	0.3208
Middle		1	1	25.68	0.3701	24.93	0.3114
Highest		1	1	25.80	0.3800	25.05	0.3197
Lowest	64QAM	1	1	25.10	0.3236	24.35	0.2723
Middle		1	1	25.20	0.3315	24.45	0.2789
Highest		1	1	25.22	0.3327	24.47	0.2799
Limit	EIRP < 2W			Result		PASS	



DC_n41AA / 90MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	120	60	26.49	0.4460	25.74	0.3752
Middle		120	60	26.48	0.4442	25.73	0.3738
Highest		120	60	26.43	0.4392	25.68	0.3695
Lowest	QPSK	120	60	26.49	0.4460	25.74	0.3752
Middle		120	60	26.49	0.4454	25.74	0.3748
Highest		120	60	26.50	0.4465	25.75	0.3757
Lowest	16QAM	1	1	25.78	0.3787	25.03	0.3187
Middle		1	1	25.75	0.3762	25.00	0.3166
Highest		1	1	25.61	0.3638	24.86	0.3061
Lowest	64QAM	1	1	25.18	0.3296	24.43	0.2773
Middle		1	1	25.20	0.3315	24.45	0.2789
Highest		1	1	25.27	0.3365	24.52	0.2832
Limit	EIRP < 2W			Result		PASS	

DC_n41AA / 100MHz (Average) (GT - LC = -0.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK	135	67	26.49	0.4460	25.74	0.3752
Middle		135	67	26.48	0.4442	25.73	0.3738
Highest		135	67	26.47	0.4437	25.72	0.3733
Lowest	QPSK	135	67	26.49	0.4460	25.74	0.3752
Middle		135	67	26.48	0.4442	25.73	0.3738
Highest		135	67	26.45	0.4420	25.70	0.3719
Lowest	16QAM	1	1	25.78	0.3787	25.03	0.3187
Middle		1	1	25.73	0.3746	24.98	0.3152
Highest		1	1	25.73	0.3742	24.98	0.3148
Lowest	64QAM	1	1	25.25	0.3353	24.50	0.2821
Middle		1	1	25.27	0.3365	24.52	0.2832
Highest		1	1	25.20	0.3315	24.45	0.2789
Limit	EIRP < 2W			Result		PASS	

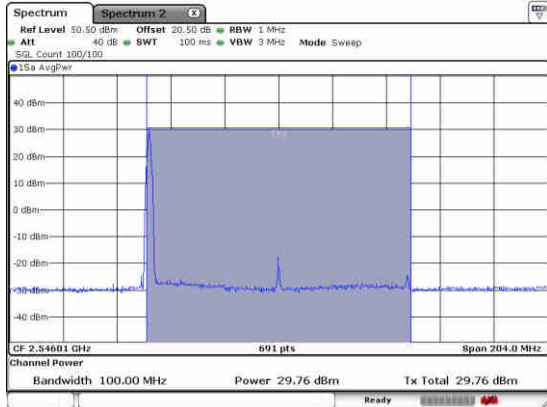
**EN-DC_2A_n41****Peak-to-Average Ratio**

Mode	N 41 / 100MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.54	5.28	4.55	5.27	PASS
Middle CH	3.49	5.30	3.01	5.22	
Highest CH	2.12	5.04	3.73	5.12	
Mode	N41 / 100MHz				
Mod.	64QAM		BPSK		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.59	5.54	3.18	5.31	PASS
Middle CH	3.68	5.19	2.77	5.15	
Highest CH	6.19	5.38	4.85	5.11	

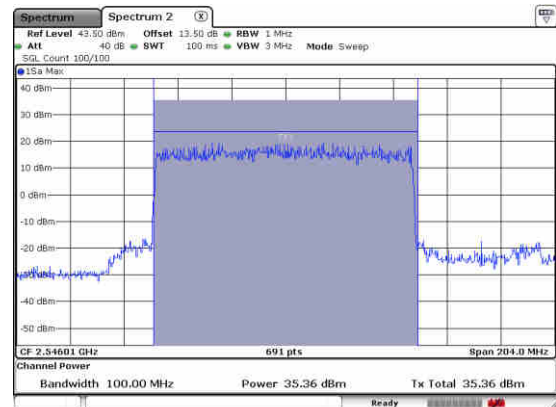
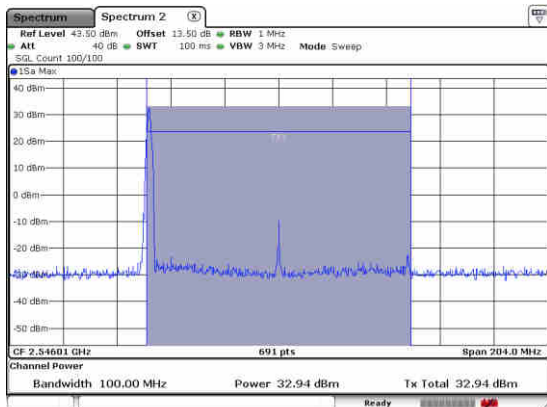
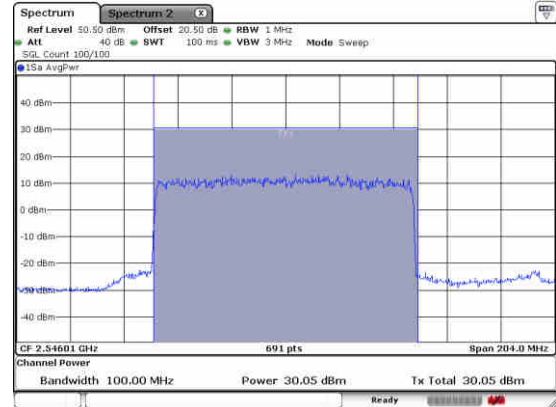


NR 100MHz / BPSK

Lowest Channel / 1RB0 BPSK

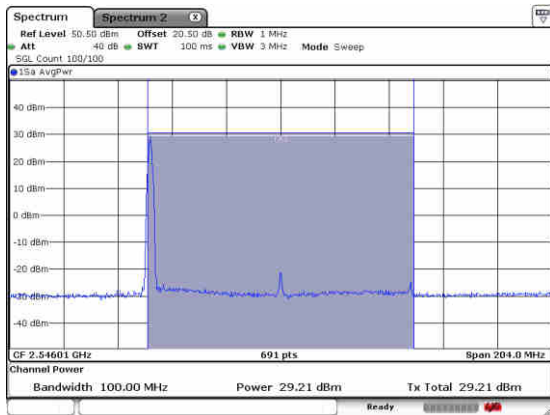


Lowest Channel / Full RB BPSK

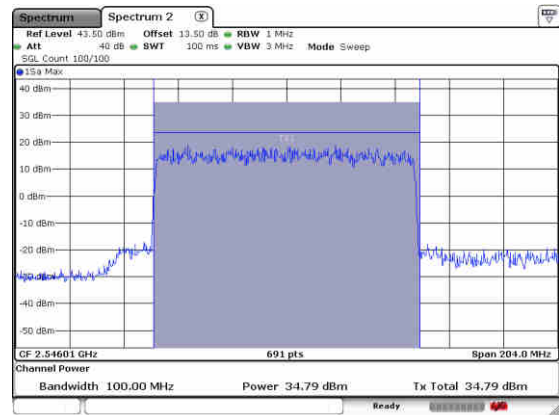
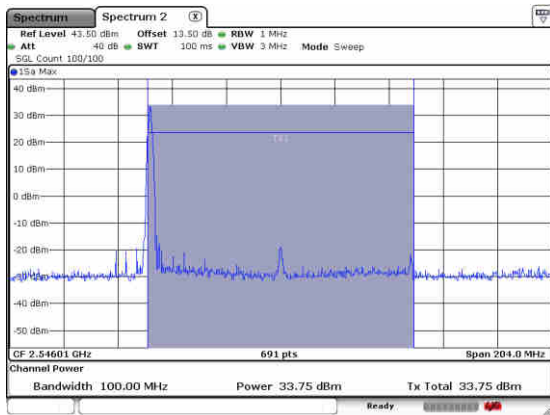
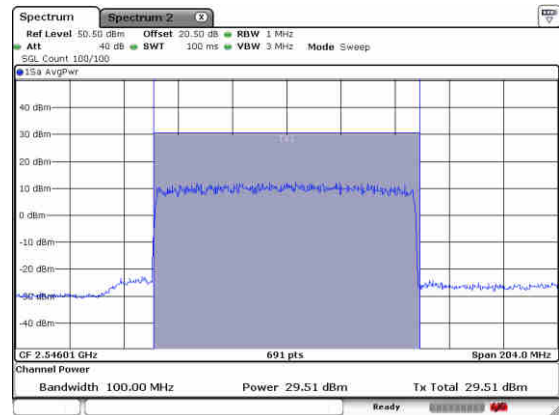


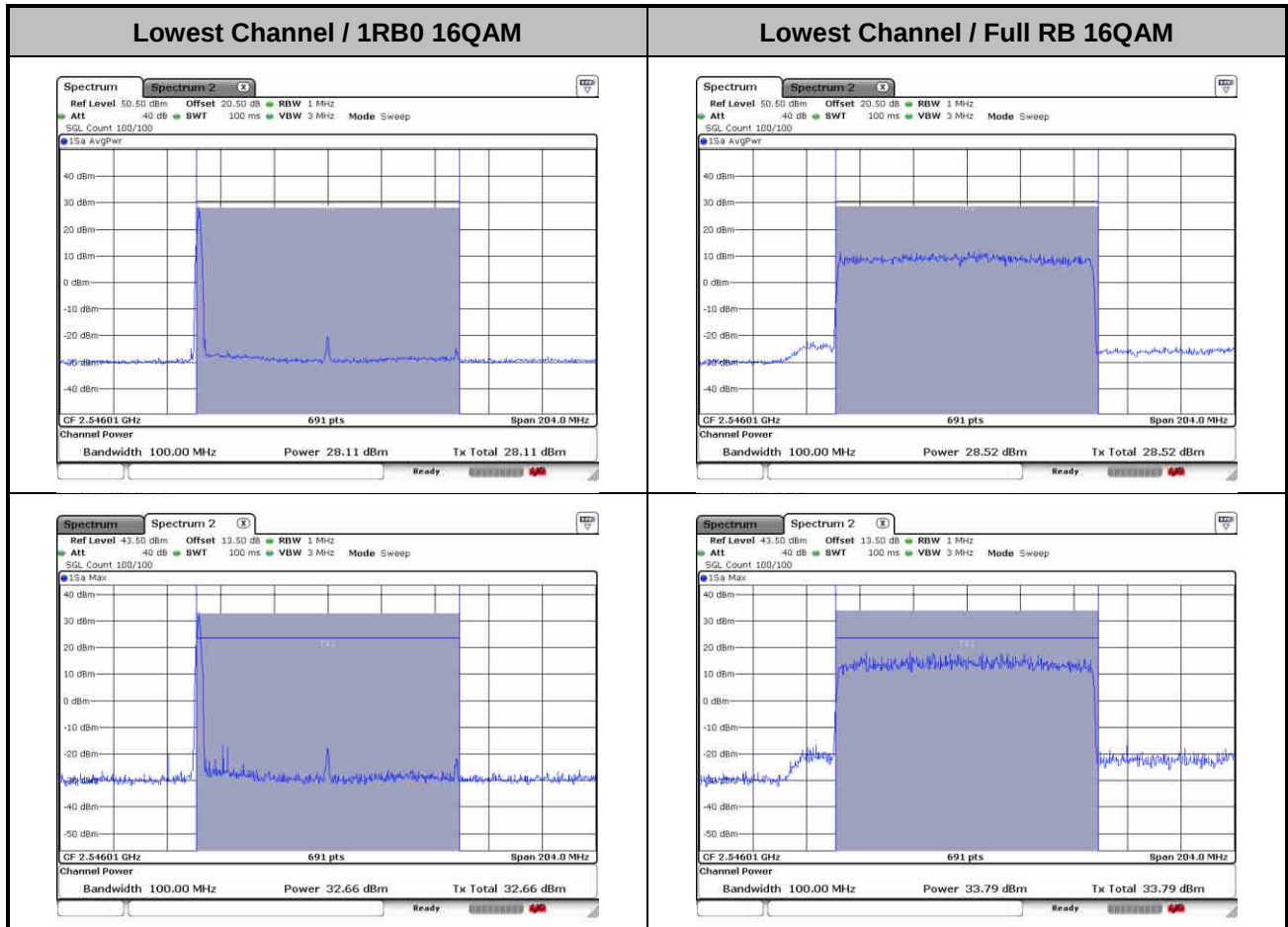


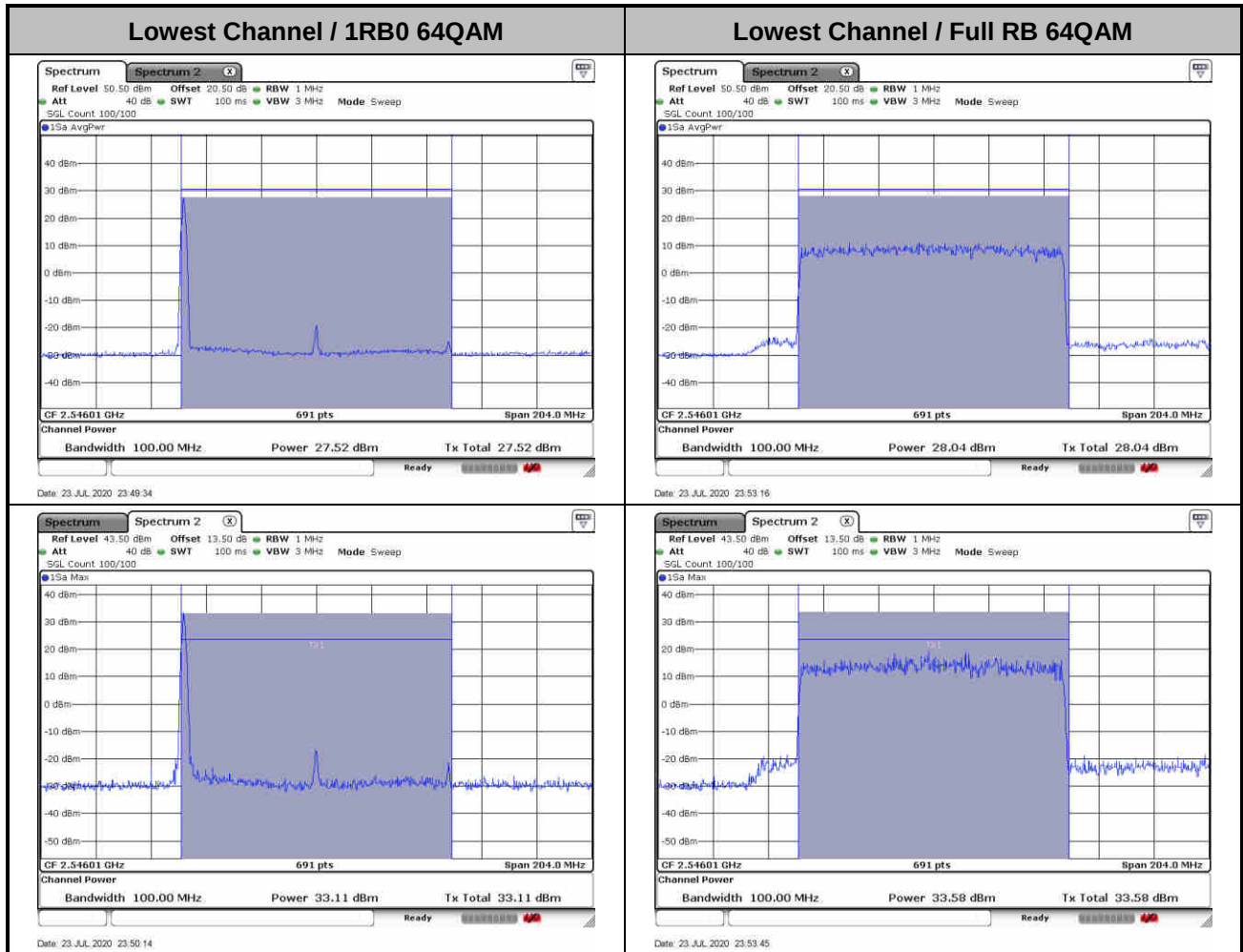
Lowest Channel / 1RB0 QPSK



Lowest Channel / Full RB QPSK

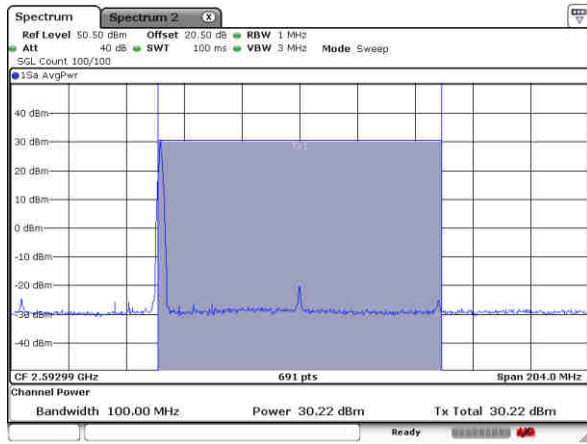






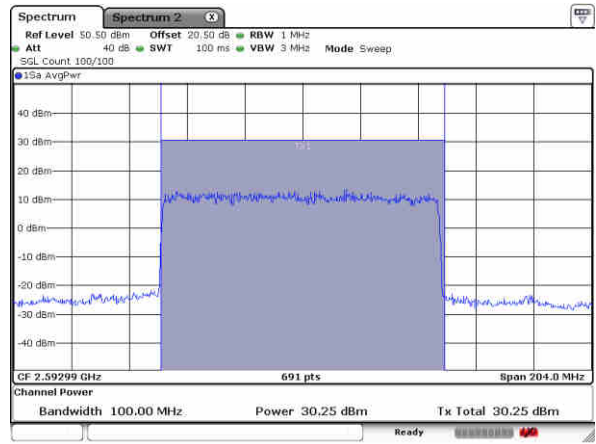


Middle Channel / 1RB0 BPSK

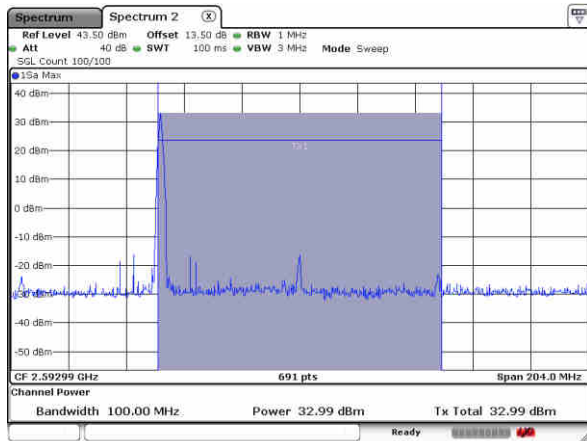


Date: 23 JUL 2020 23:58:48

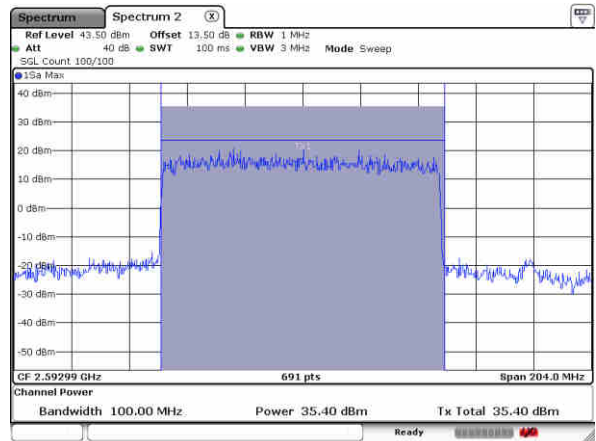
Middle Channel / Full RB BPSK



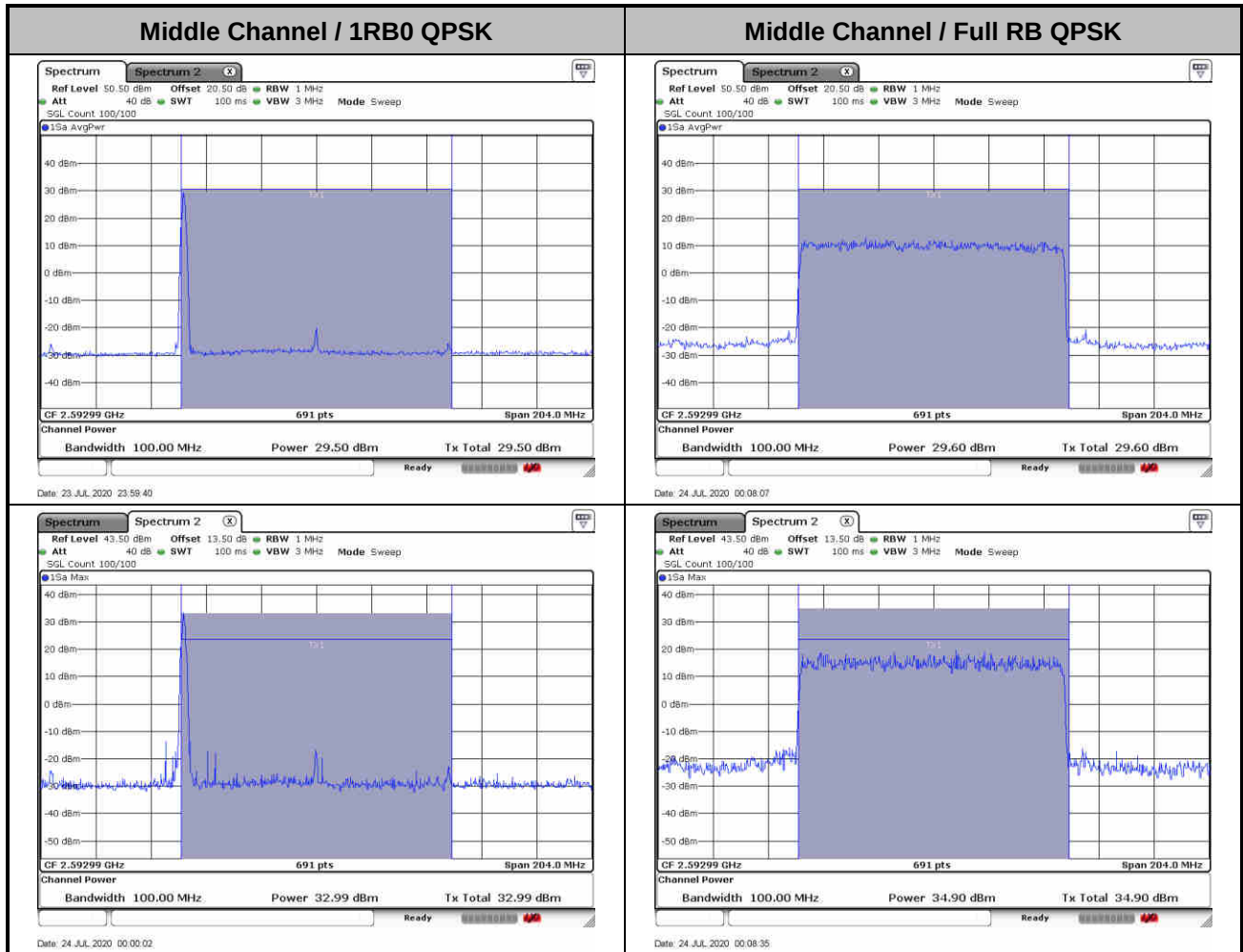
Date: 24 JUL 2020 00:07:05

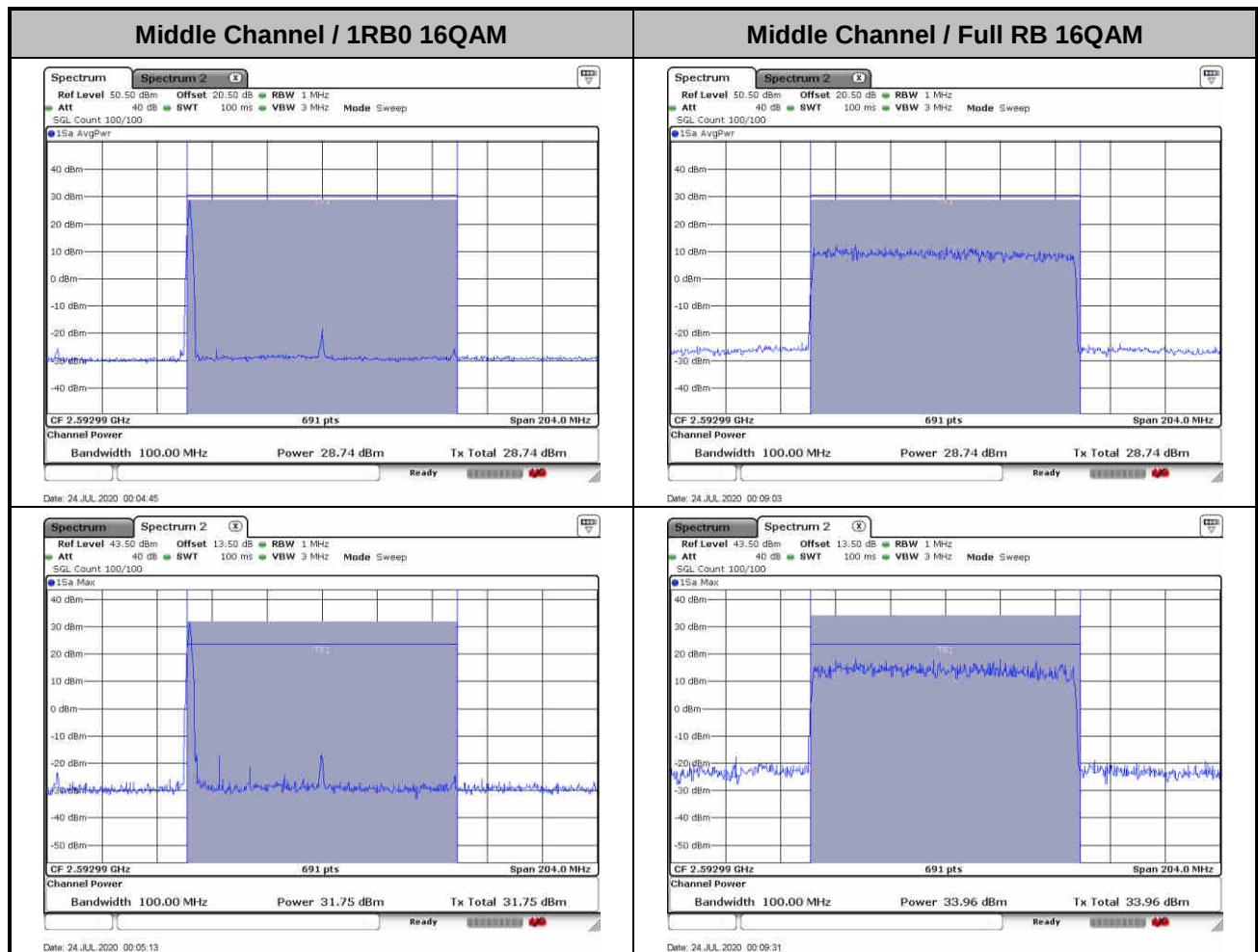


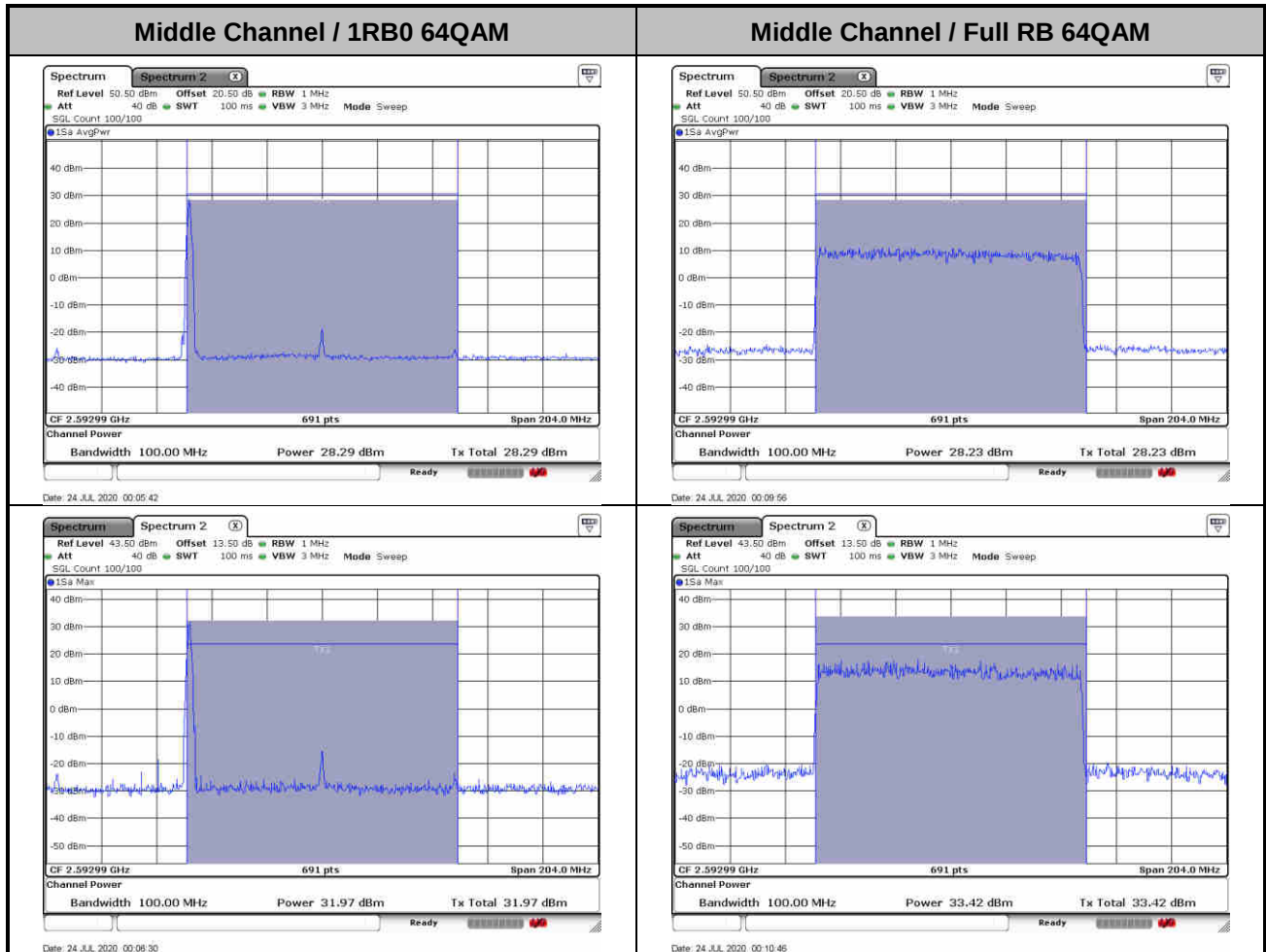
Date: 23 JUL 2020 23:59:09

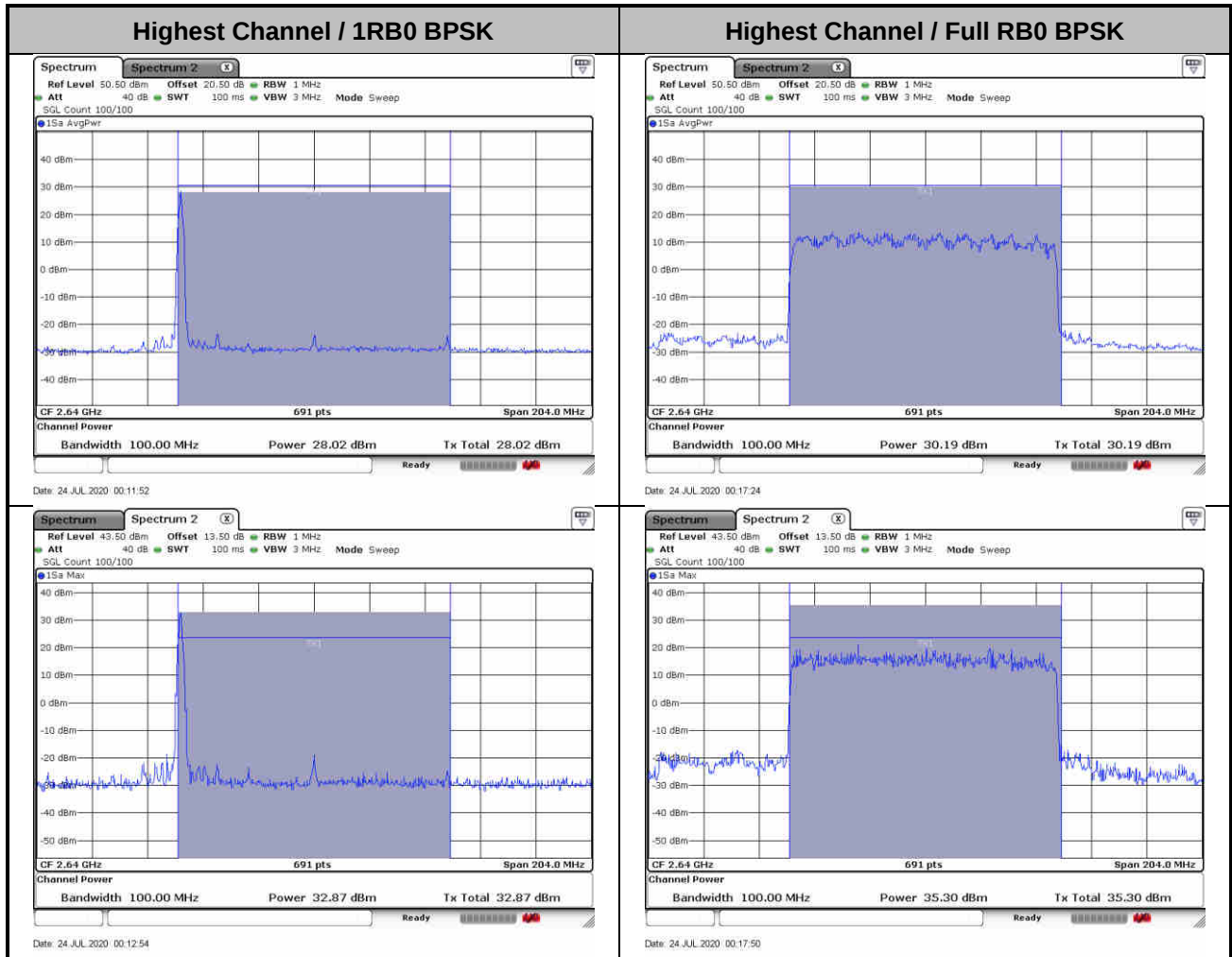


Date: 24 JUL 2020 00:07:33



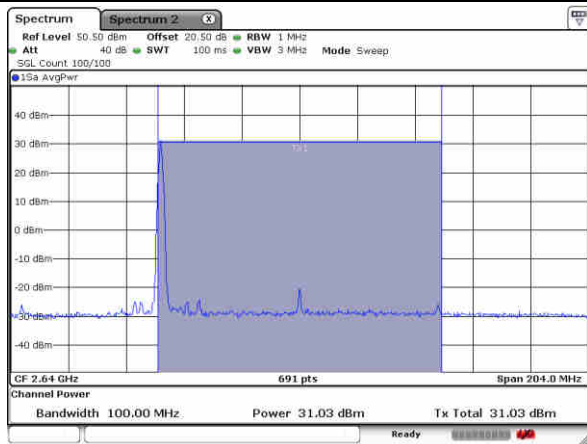






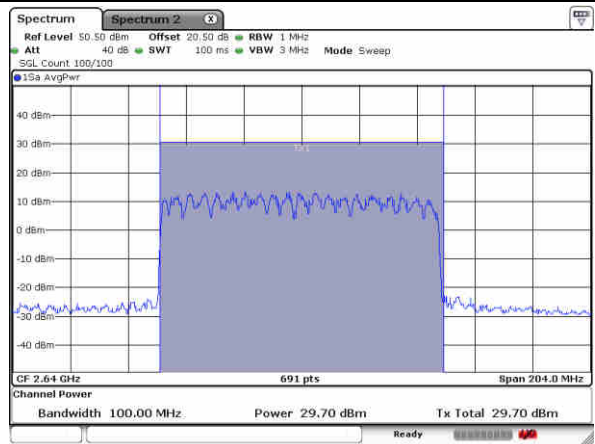


Highest Channel / 1RB0 QPSK

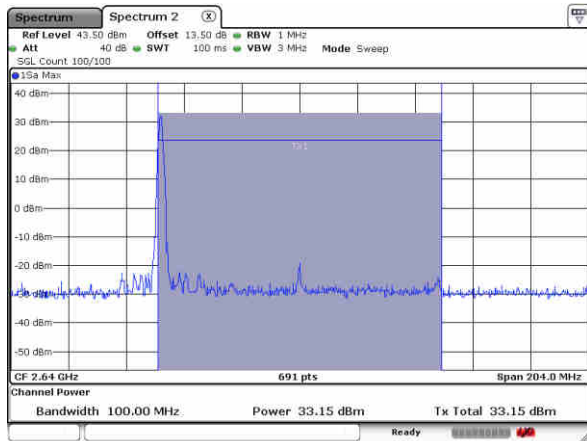


Date: 24 JUL 2020 00:13:32

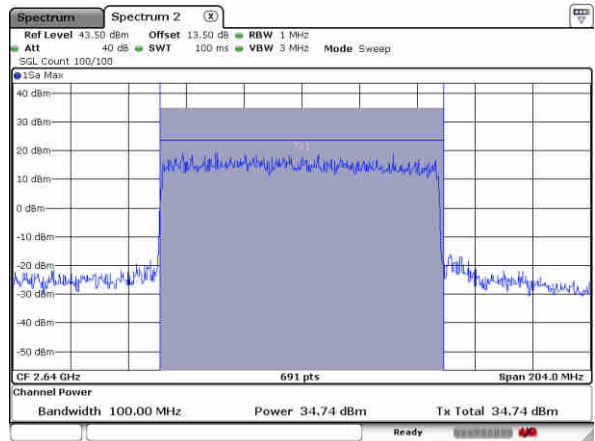
Highest Channel / Full RB0 QPSK



Date: 24 JUL 2020 00:19:01



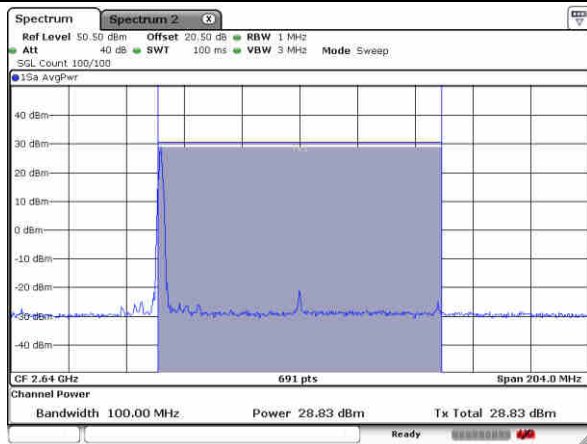
Date: 24 JUL 2020 00:14:01



Date: 24 JUL 2020 00:19:30

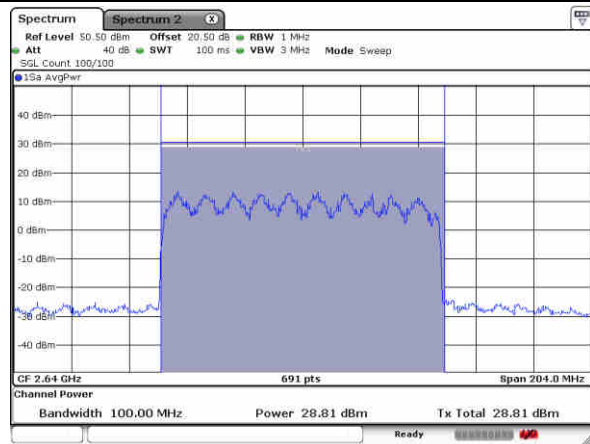


Highest Channel / 1RB0 16QAM

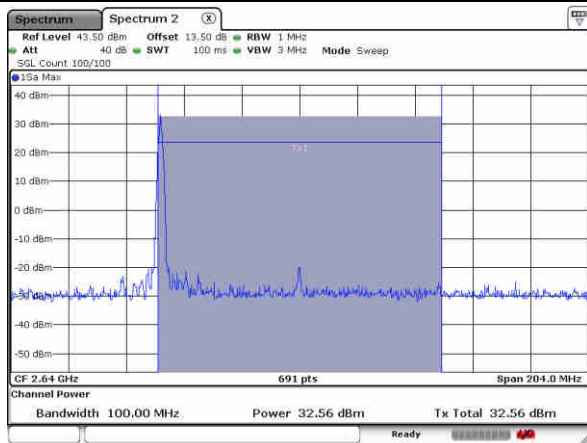


Date: 24 JUL 2020 00:14:33

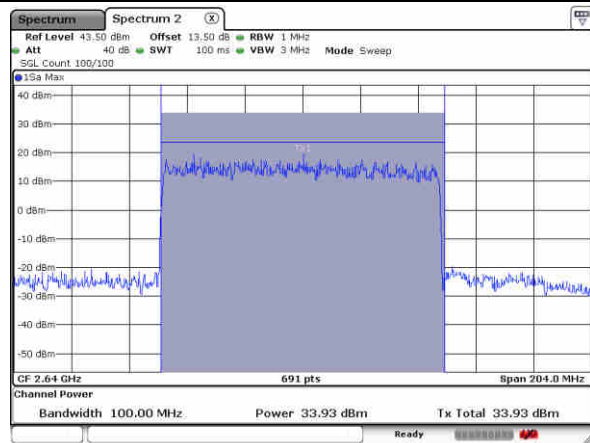
Highest Channel / Full RB0 16QAM



Date: 24 JUL 2020 00:19:56



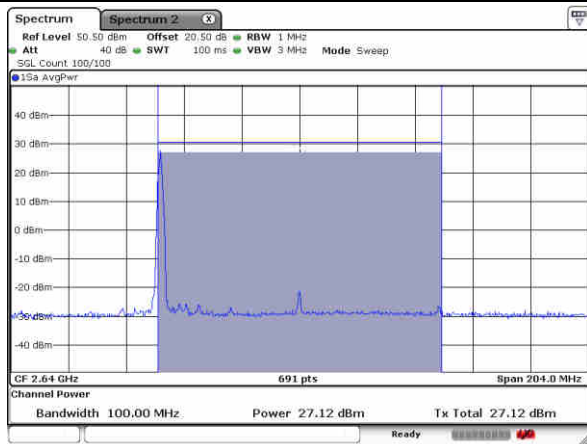
Date: 24 JUL 2020 00:14:57



Date: 24 JUL 2020 00:20:29

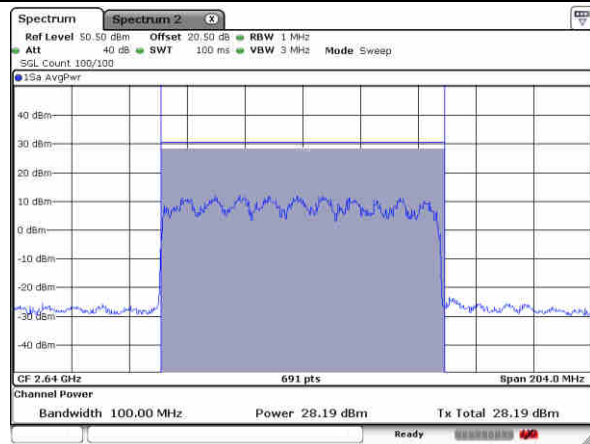


Highest Channel / 1RB0 64QAM

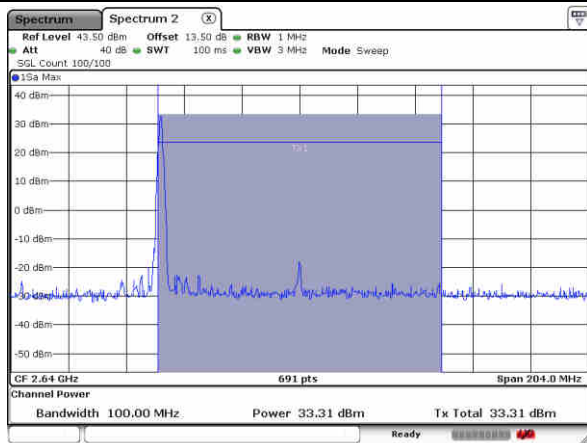


Date: 24 JUL 2020 00:15:41

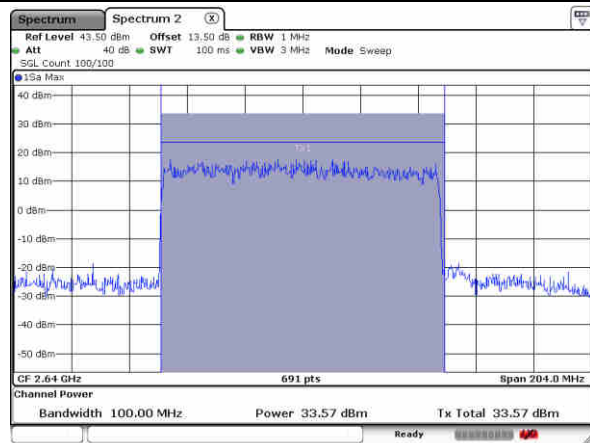
Highest Channel / Full RB0 64QAM



Date: 24 JUL 2020 00:20:51



Date: 24 JUL 2020 00:16:44



Date: 24 JUL 2020 00:21:12

**26dB Bandwidth**

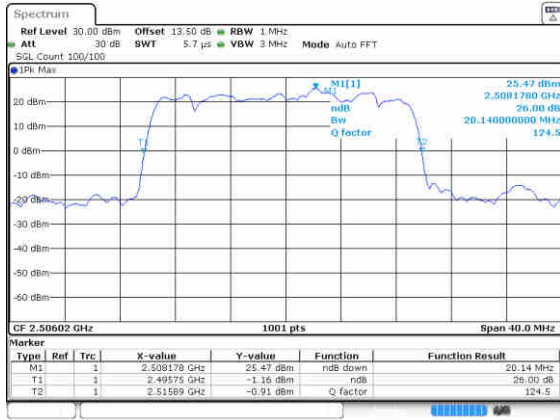
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK
Lowest CH	20.14	20.14	38.44	37.96	48.05	48.15	62.34	62.46	81.84	81.52	91.17	91.43
Middle CH	20.10	20.02	38.28	38.04	48.05	48.15	62.46	62.70	81.84	82.16	91.17	91.17
Highest CH	20.34	20.06	38.12	38.04	48.05	48.05	62.46	62.46	81.68	82.00	91.17	90.91
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM
Lowest CH	20.22	20.10	38.44	38.20	48.05	47.95	62.58	62.58	81.84	81.84	91.17	91.17
Middle CH	20.22	20.26	38.20	38.12	48.05	48.05	62.34	62.58	81.52	82.00	91.17	91.43
Highest CH	20.14	20.54	38.04	38.28	48.05	48.05	62.70	62.46	81.84	82.00	91.43	91.43
Mode	N 41 : 26dB BW(MHz)											
BW	100MHz											
Mod.	BPSK	QPSK	16QAM	64QAM								
Lowest CH	101.50	101.70	101.50	101.30								
Middle CH	101.70	100.90	101.10	101.50								
Highest CH	101.30	101.30	101.50	101.50								



n41A

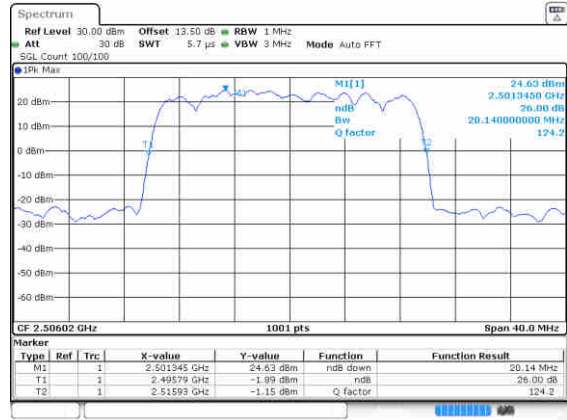
Combination LTE 10MHz + NR 20MHz

Lowest Channel / BPSK



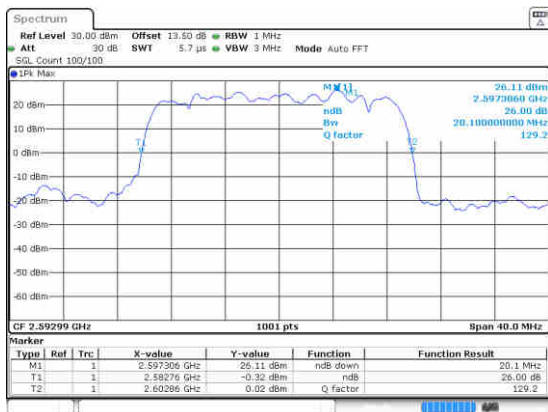
Date: 17.8.2020, 00:10:38

Lowest Channel / QPSK



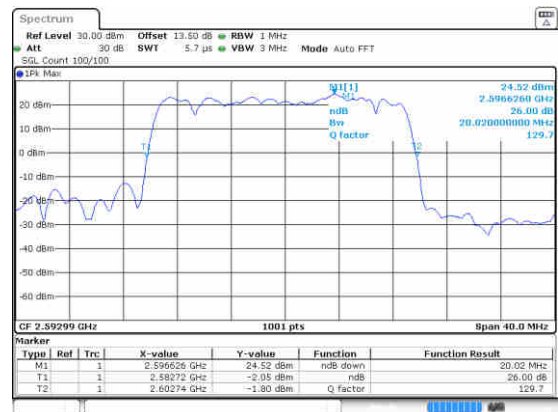
Date: 17.8.2020, 00:13:56

Middle Channel / BPSK



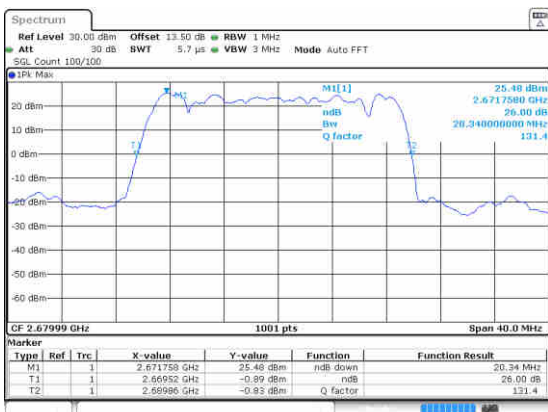
Date: 17.8.2020, 00:10:38

Middle Channel / QPSK



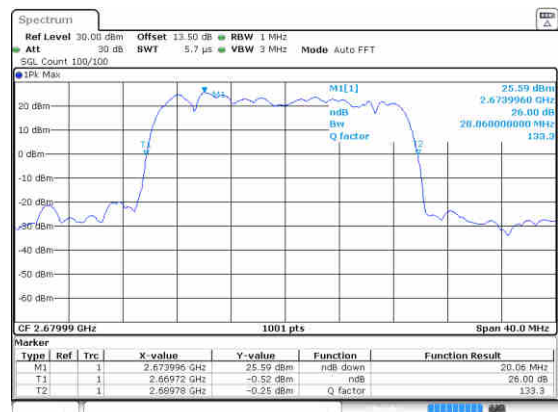
Date: 17.8.2020, 00:13:56

Highest Channel / BPSK



Date: 17.8.2020, 00:10:38

Highest Channel / QPSK



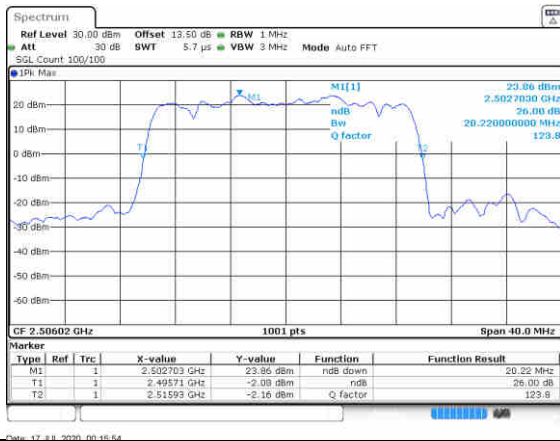
Date: 17.8.2020, 00:13:56



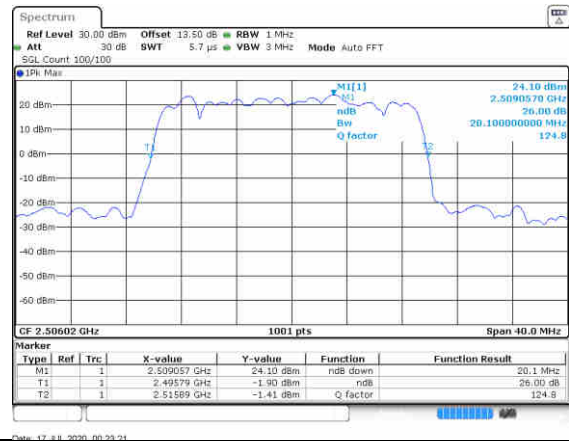
n41A

Combination LTE 10MHz + NR 20MHz

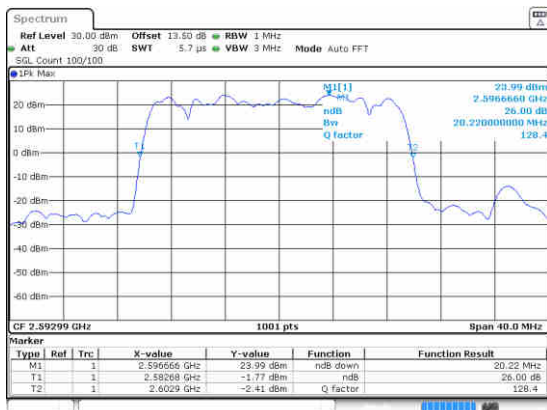
Lowest Channel / 16QAM



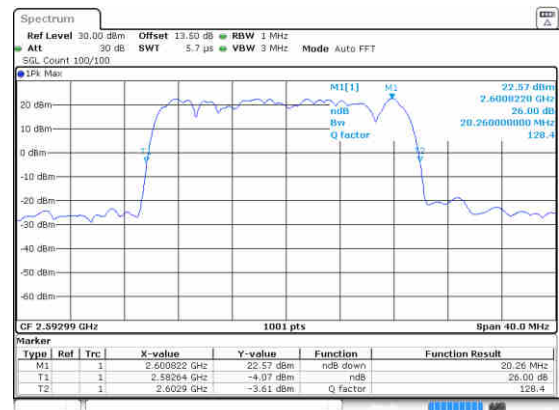
Lowest Channel / 64QAM



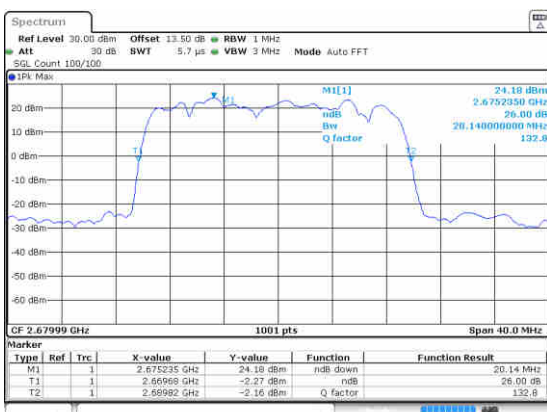
Middle Channel / 16QAM



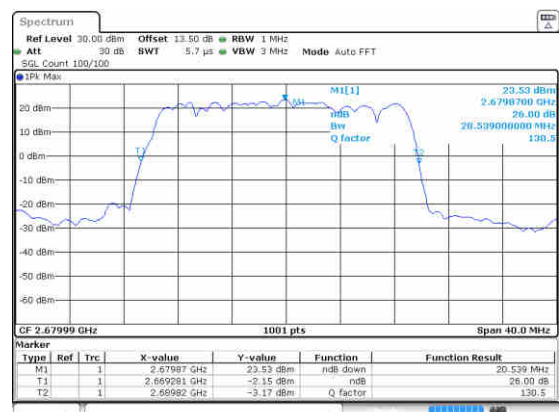
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM





n41A

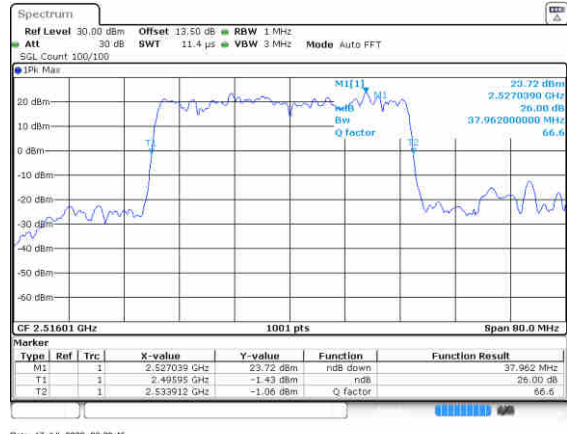
Combination LTE 10MHz + NR 40MHz

Lowest Channel / BPSK



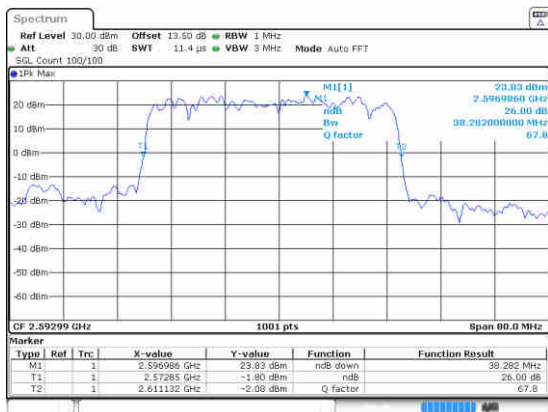
Date: 17.8.2020 00:38:23

Lowest Channel / QPSK

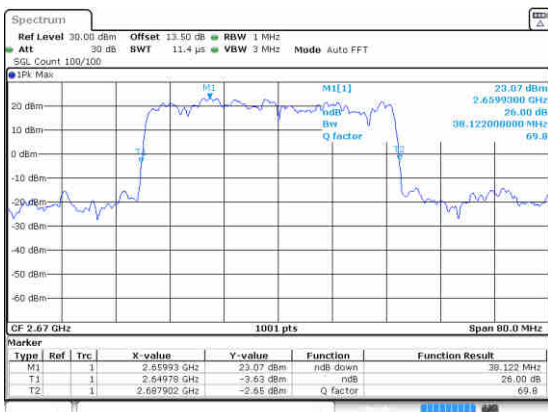


Date: 17.8.2020 00:38:40

Middle Channel / BPSK



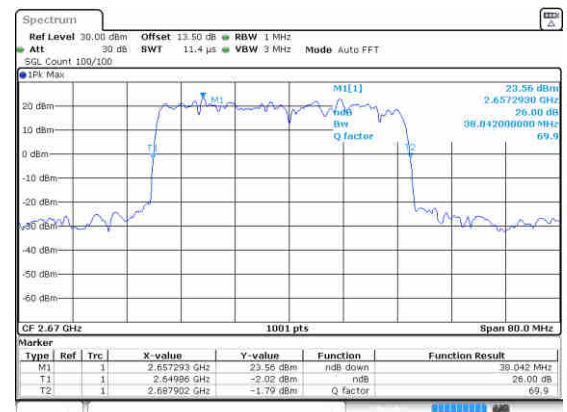
Highest Channel / BPSK



Middle Channel / QPSK



Highest Channel / QPSK

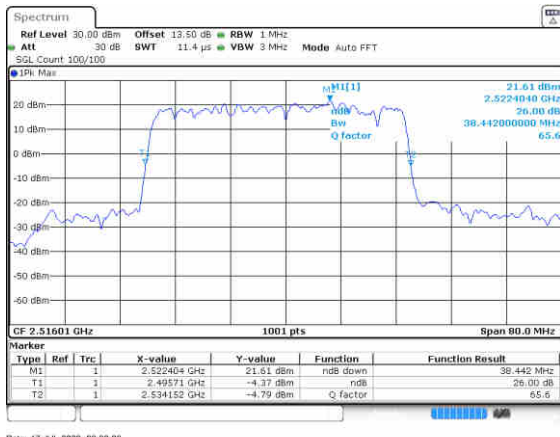




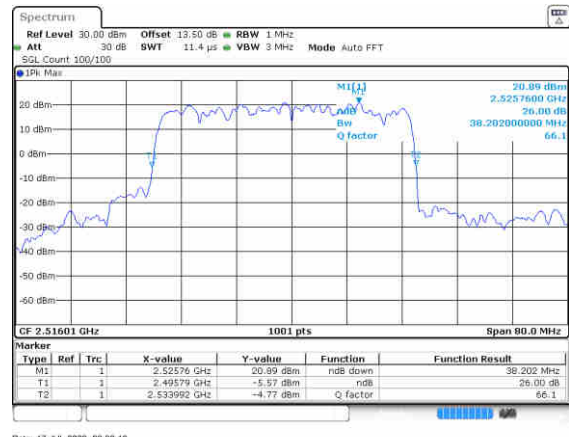
n41A

Combination LTE 10MHz + NR 40MHz

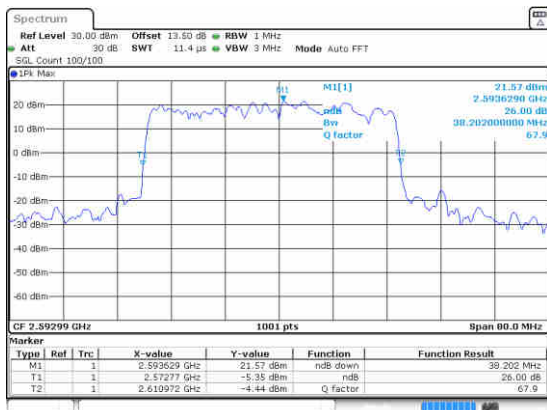
Lowest Channel / 16QAM



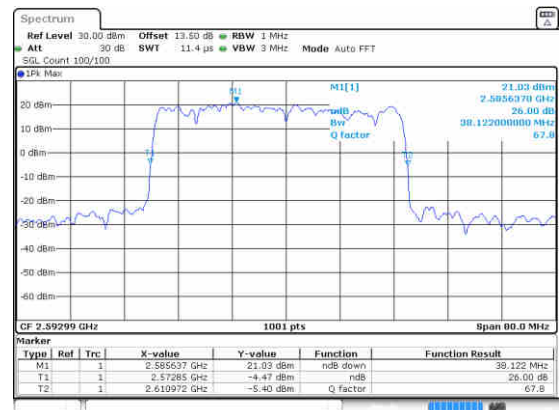
Lowest Channel / 64QAM



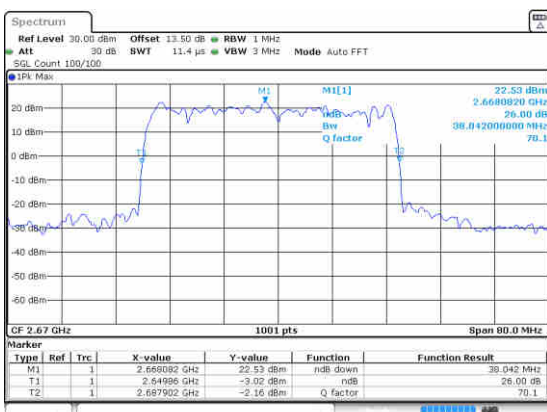
Middle Channel / 16QAM



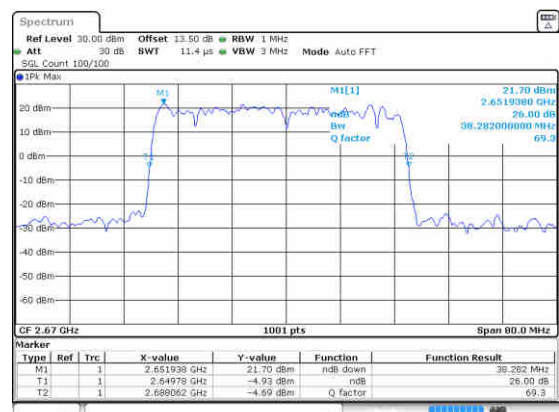
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

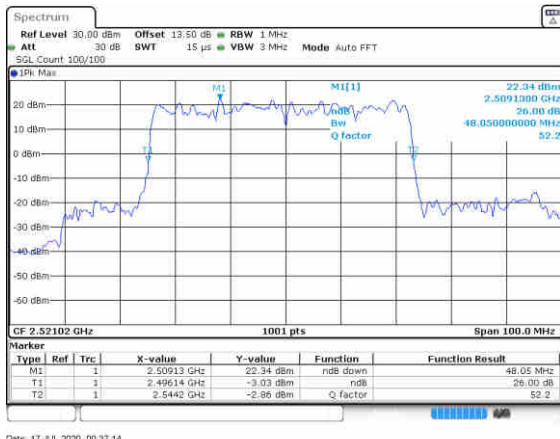




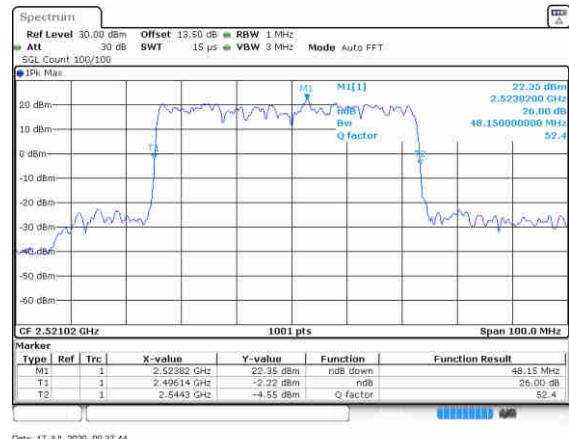
n41A

Combination LTE 10MHz + NR 50MHz

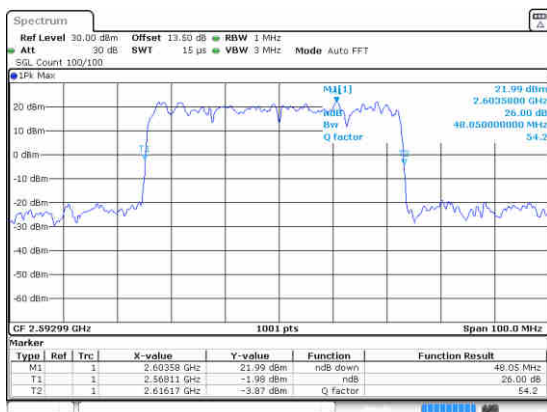
Lowest Channel / BPSK



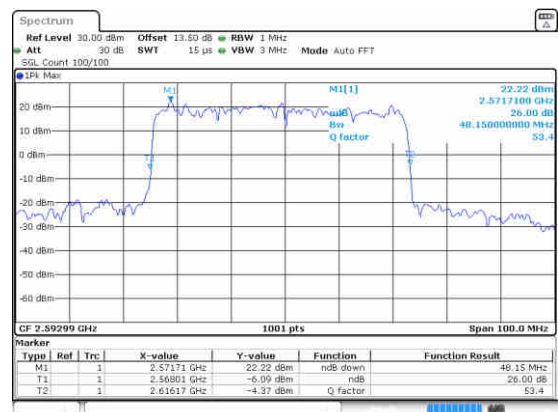
Lowest Channel / QPSK



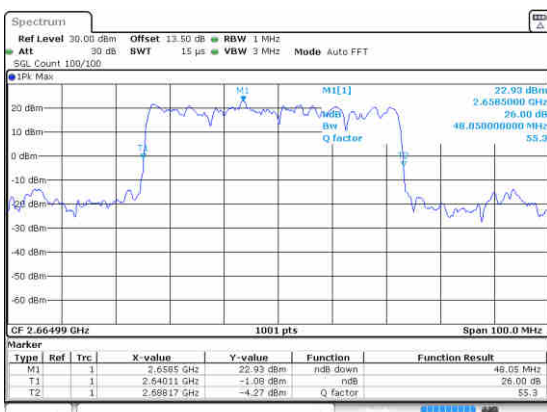
Middle Channel / BPSK



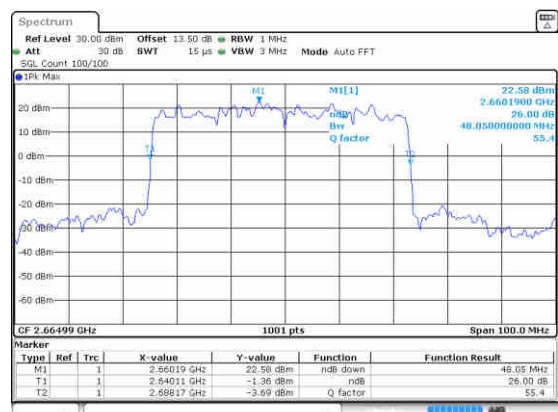
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

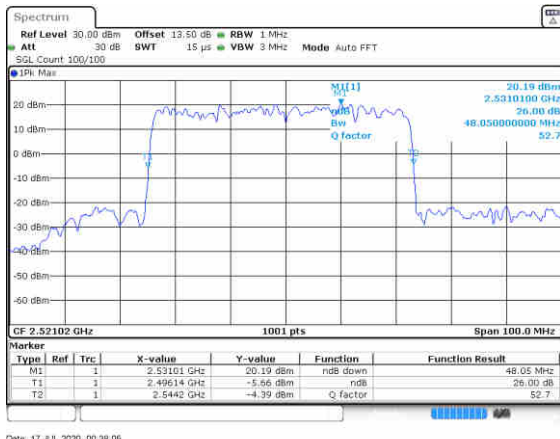




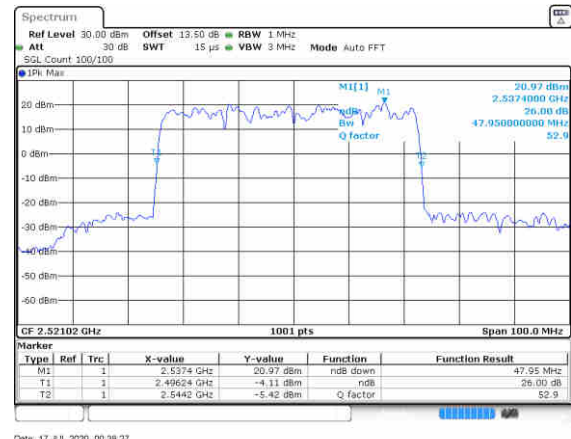
n41A

Combination LTE 10MHz + NR 50MHz

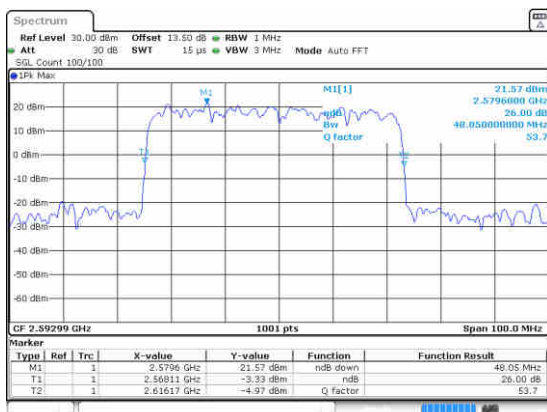
Lowest Channel / 16QAM



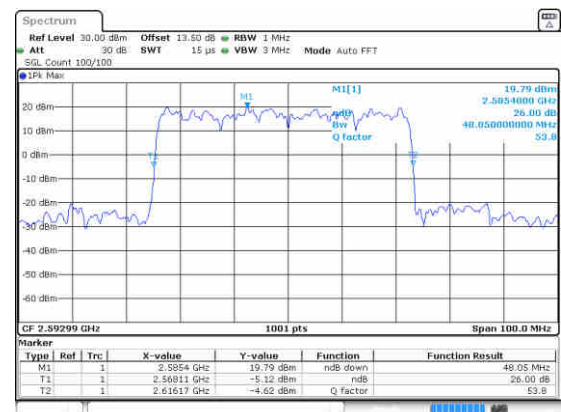
Lowest Channel / 64QAM



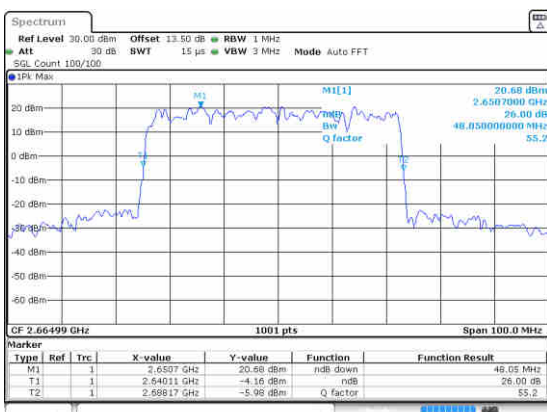
Middle Channel / 16QAM



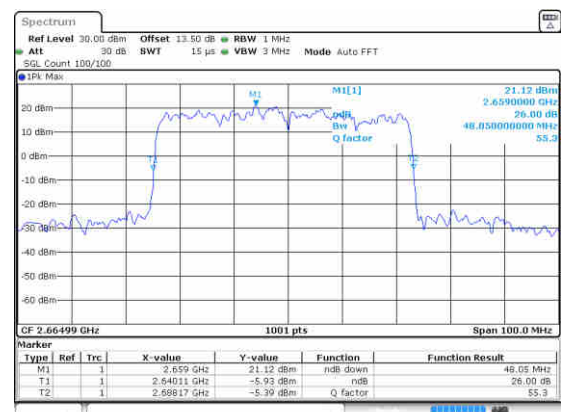
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

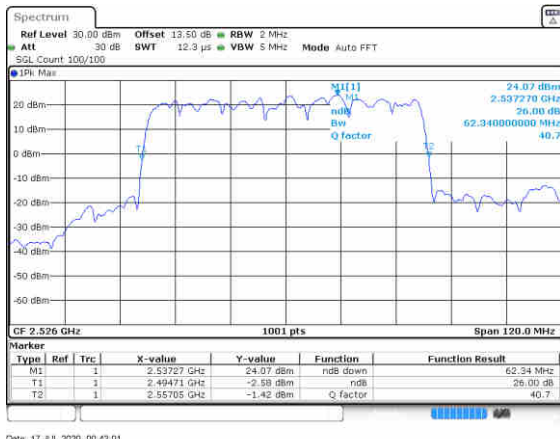




n41A

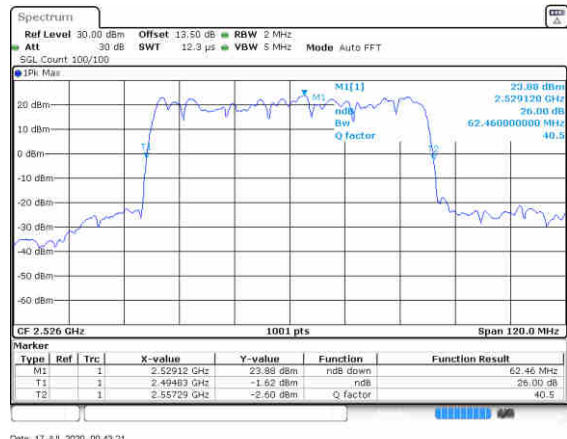
Combination LTE 10MHz + NR 60MHz

Lowest Channel / BPSK



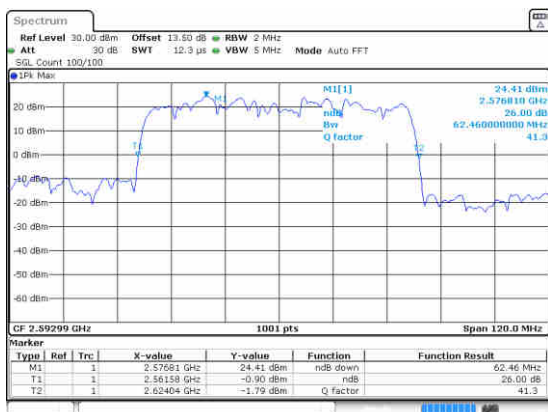
Date: 17. 8. 2020 00:43:01

Lowest Channel / QPSK



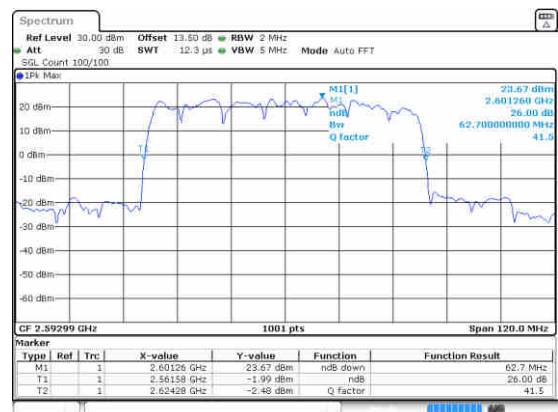
Date: 17. 8. 2020 00:43:21

Middle Channel / BPSK



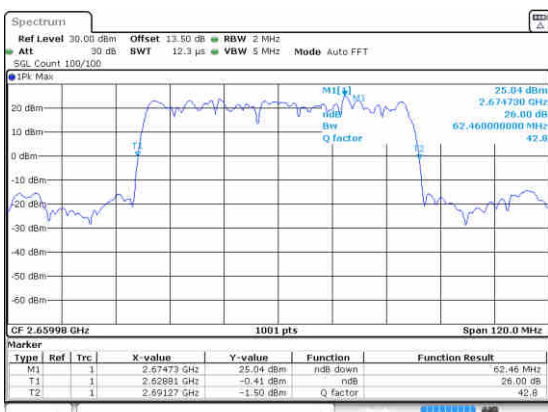
Date: 17. 8. 2020 00:43:21

Middle Channel / QPSK



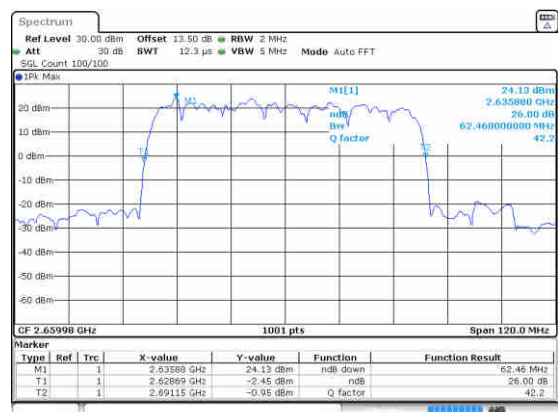
Date: 17. 8. 2020 00:43:21

Highest Channel / BPSK



Date: 17. 8. 2020 00:43:21

Highest Channel / QPSK



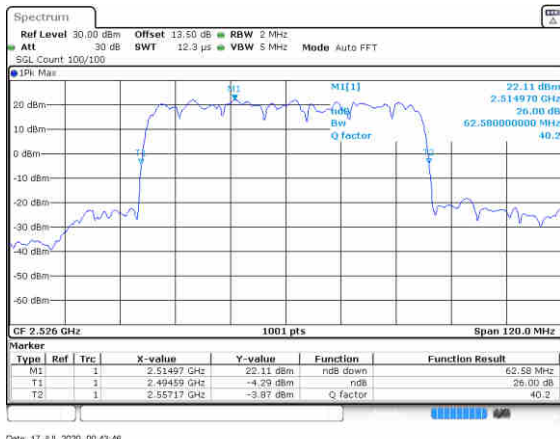
Date: 17. 8. 2020 00:43:21



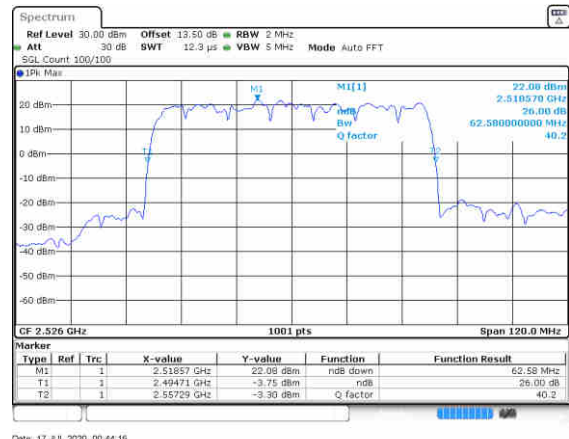
n41A

Combination LTE 10MHz + NR 60MHz

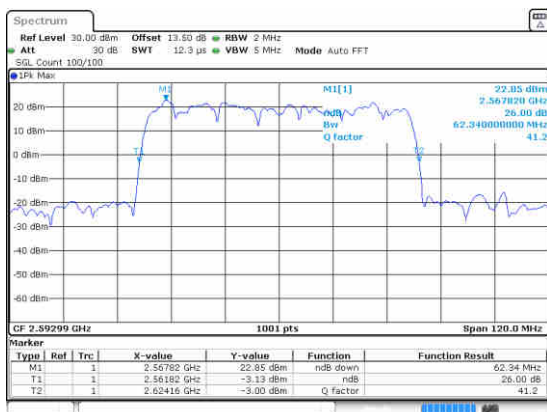
Lowest Channel / 16QAM



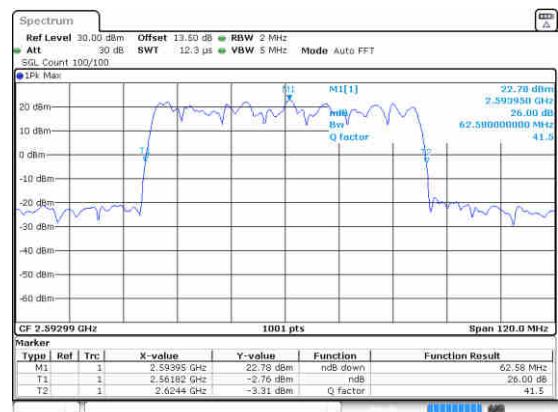
Lowest Channel / 64QAM



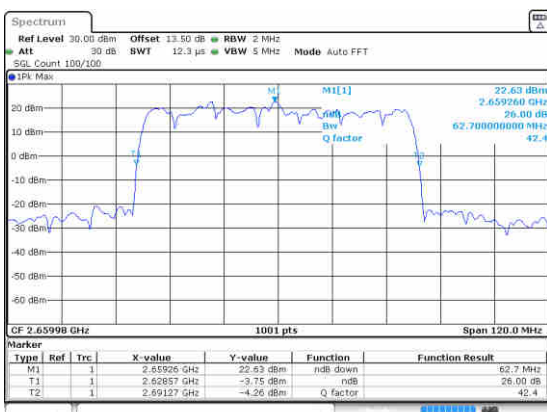
Middle Channel / 16QAM



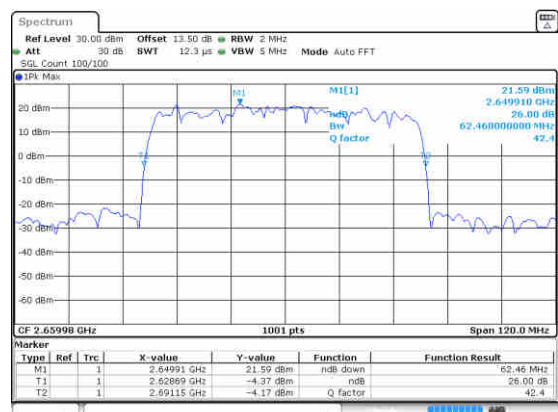
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

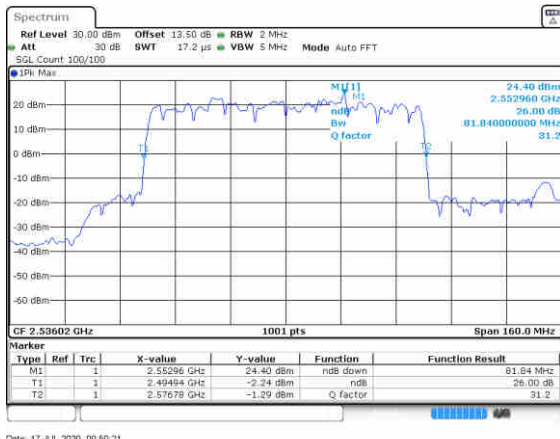




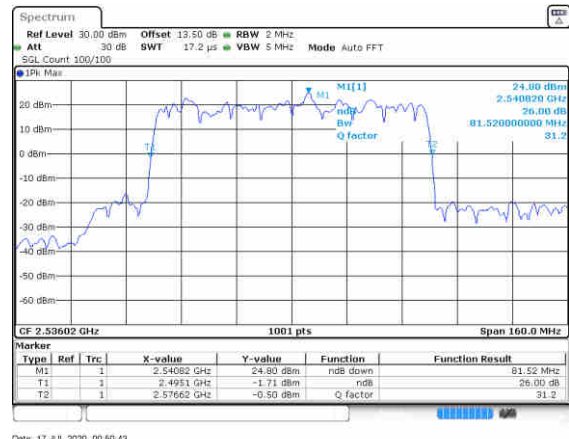
n41A

Combination LTE 10MHz + NR 80MHz

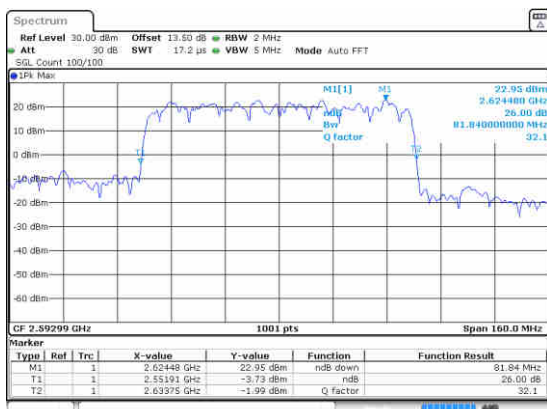
Lowest Channel / BPSK



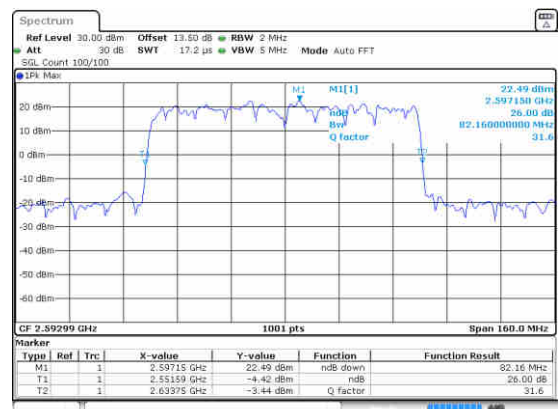
Lowest Channel / QPSK



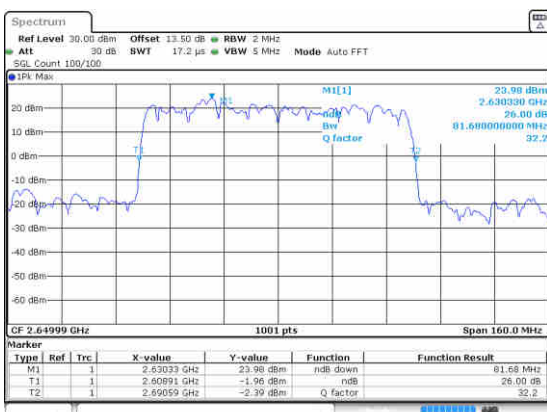
Middle Channel / BPSK



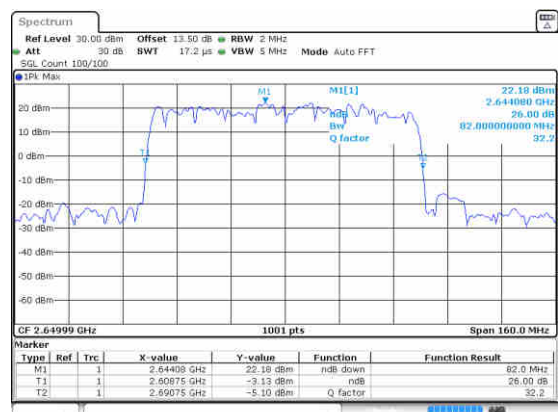
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

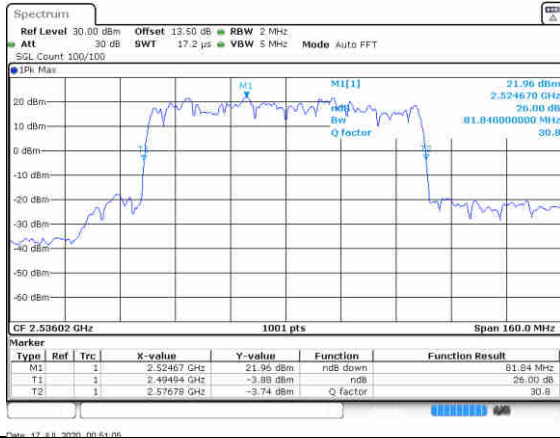




n41A

Combination LTE 10MHz + NR 80MHz

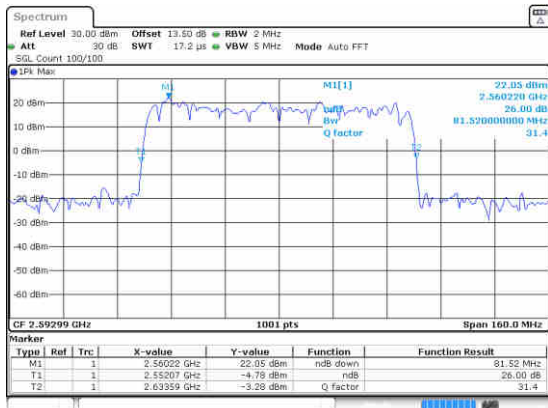
Lowest Channel / 16QAM



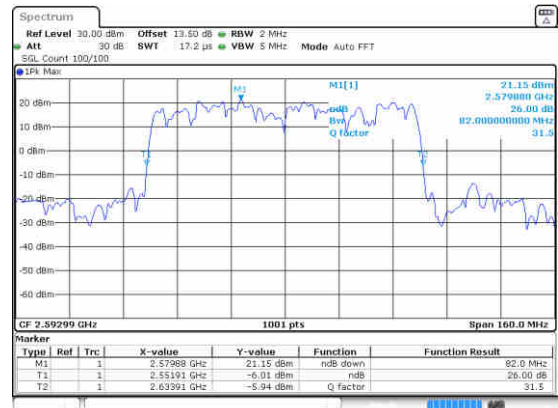
Lowest Channel / 64QAM



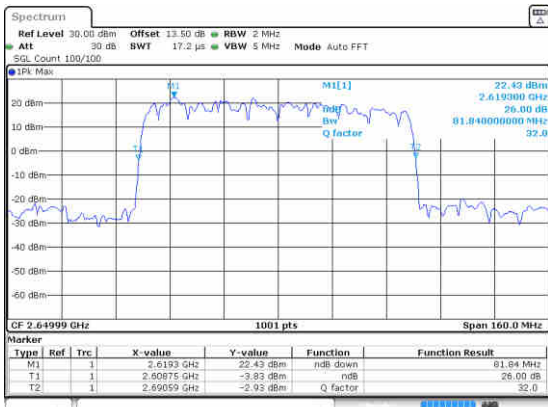
Middle Channel / 16QAM



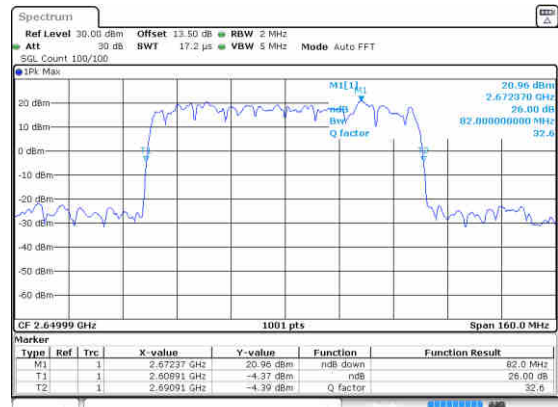
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

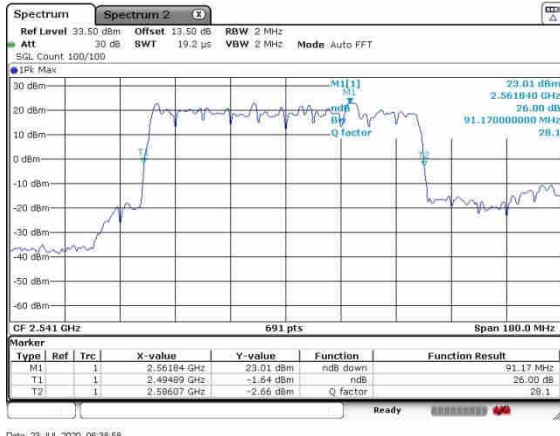




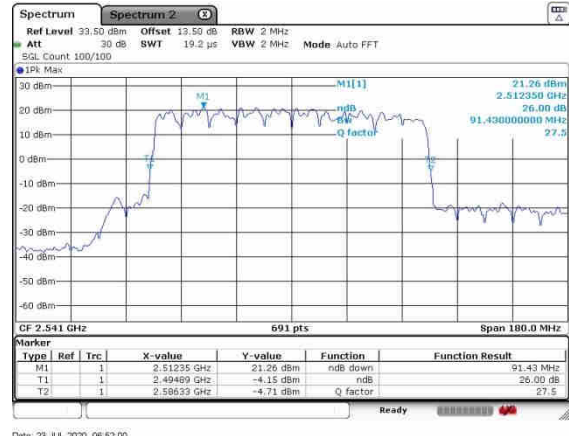
n41A

Combination LTE 10MHz + NR 90MHz

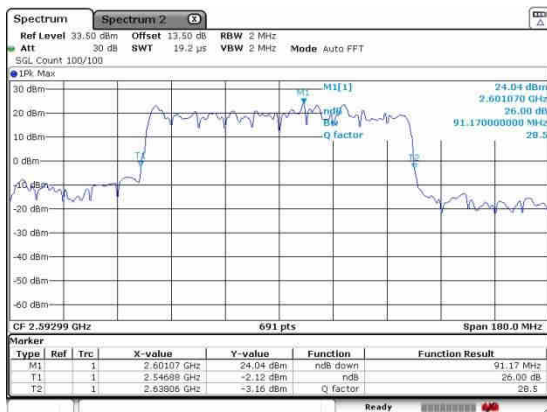
Lowest Channel / BPSK



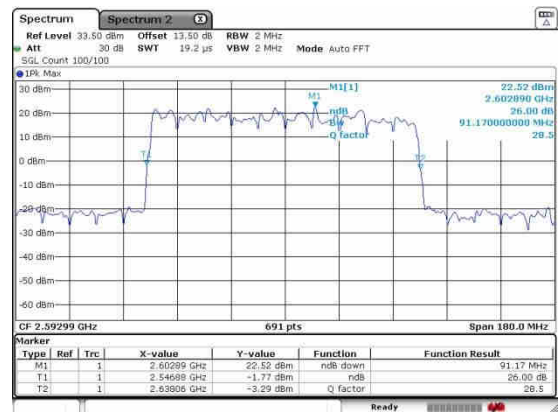
Lowest Channel / QPSK



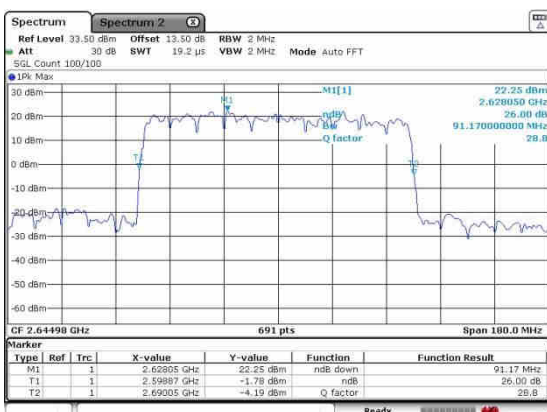
Middle Channel / BPSK



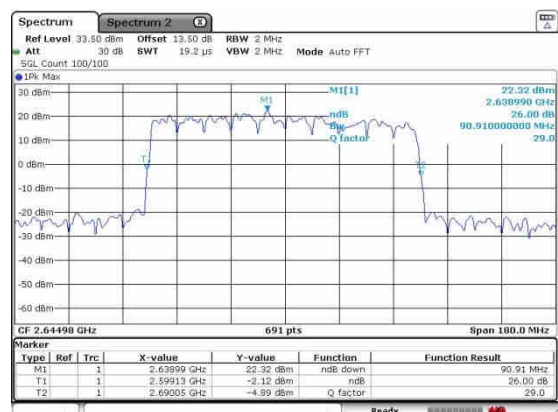
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

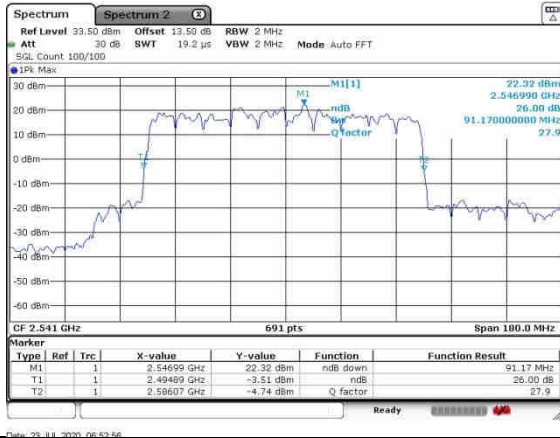




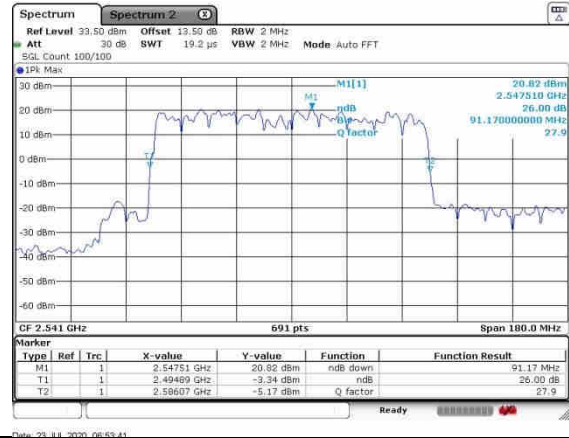
n41A

Combination LTE 10MHz + NR 90MHz

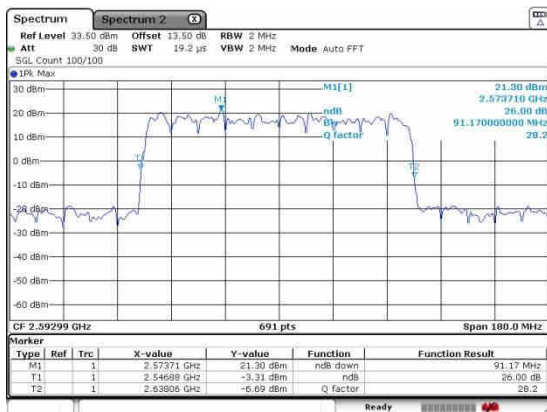
Lowest Channel / 16QAM



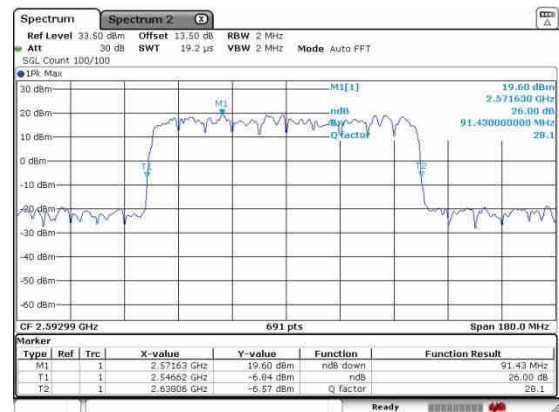
Lowest Channel / 64QAM



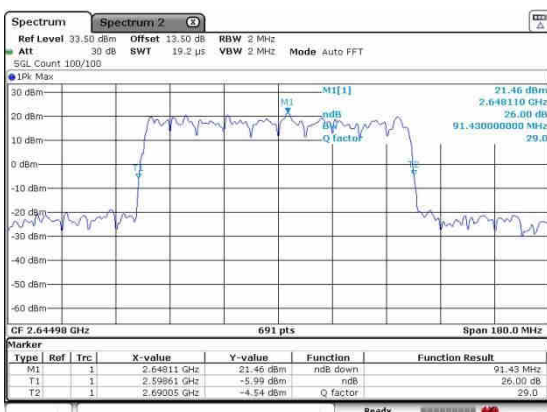
Middle Channel / 16QAM



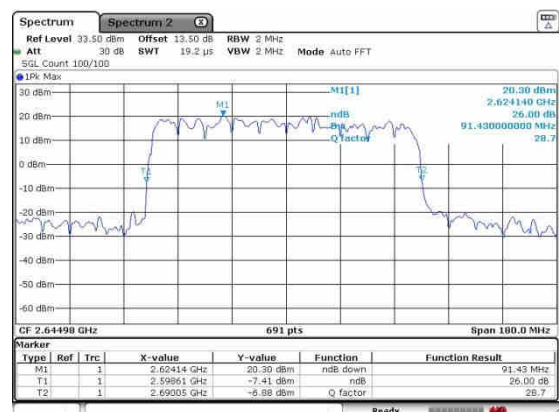
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

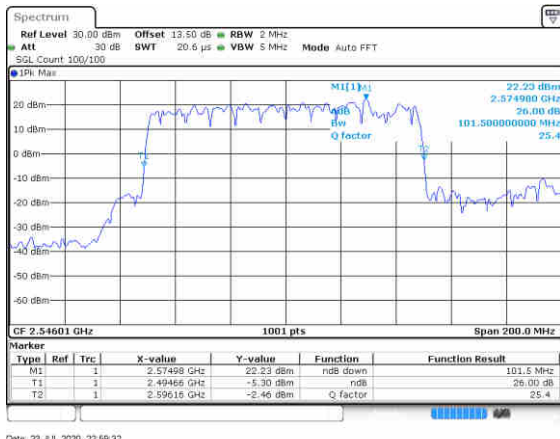




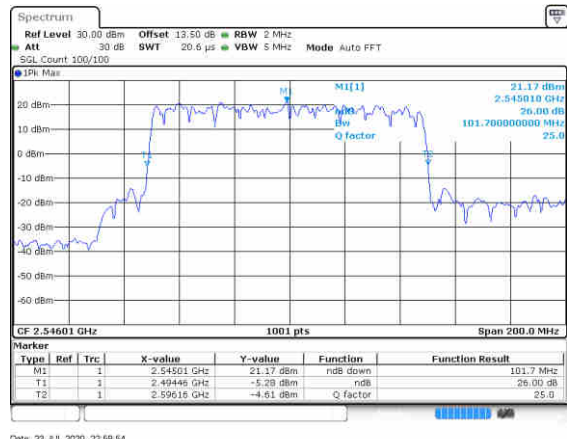
n41A

Combination LTE 10MHz + NR 100MHz

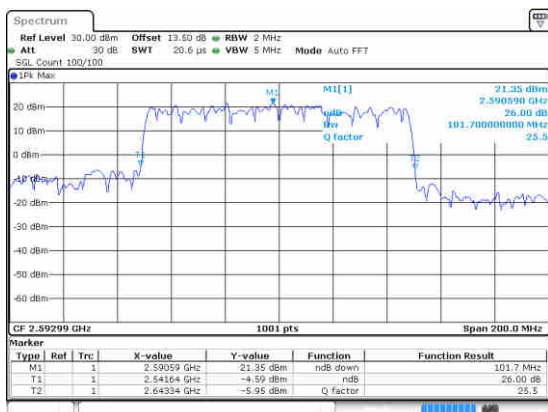
Lowest Channel / BPSK



Lowest Channel / QPSK



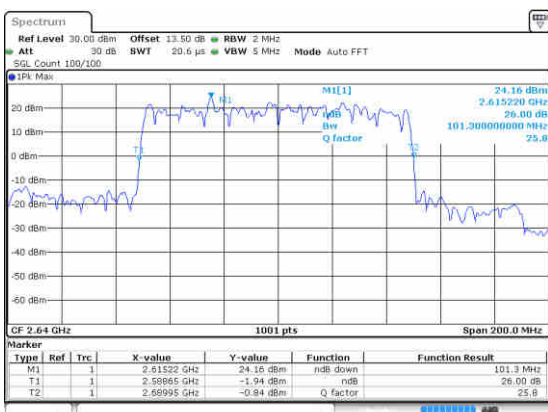
Middle Channel / BPSK



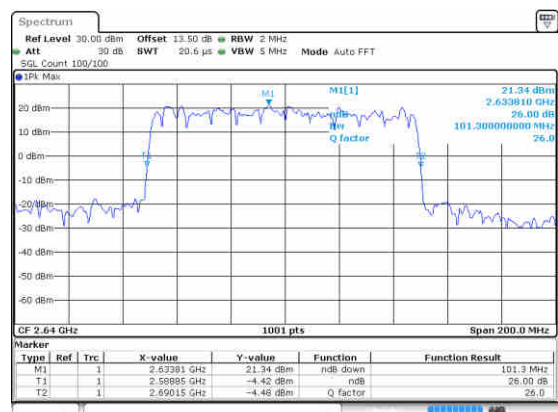
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

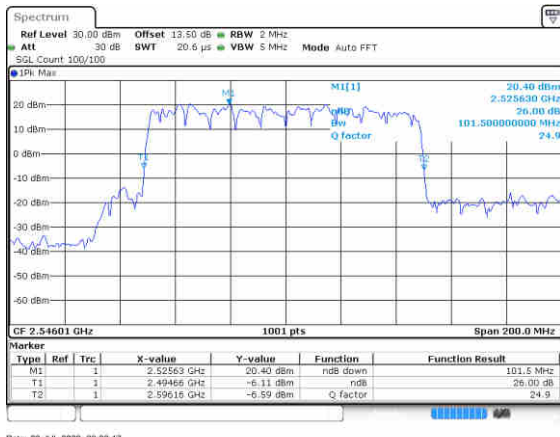




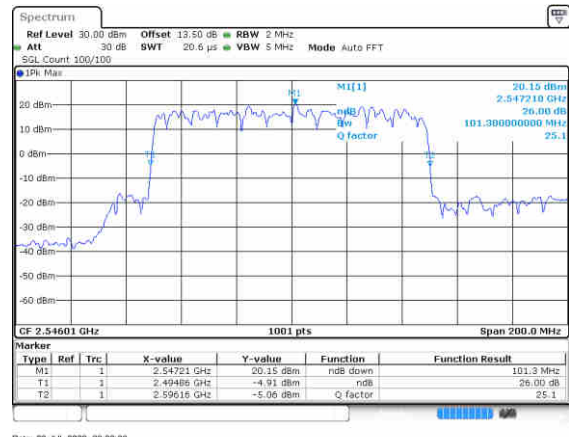
n41A

Combination LTE 10MHz + NR 100MHz

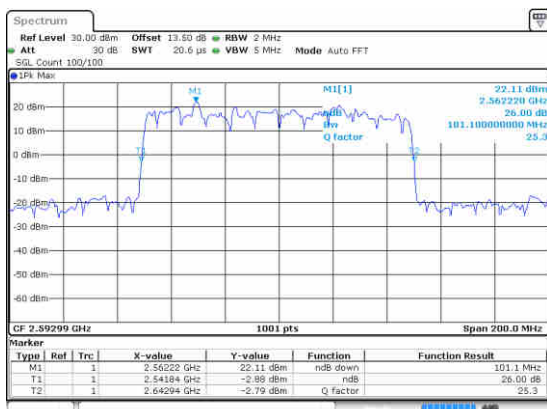
Lowest Channel / 16QAM



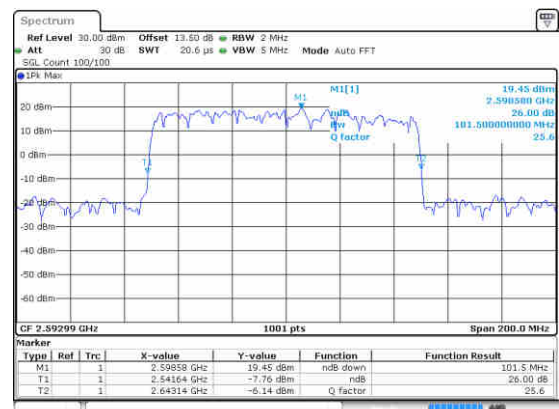
Lowest Channel / 64QAM



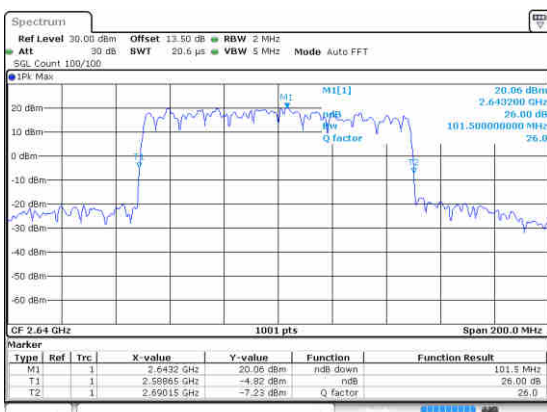
Middle Channel / 16QAM



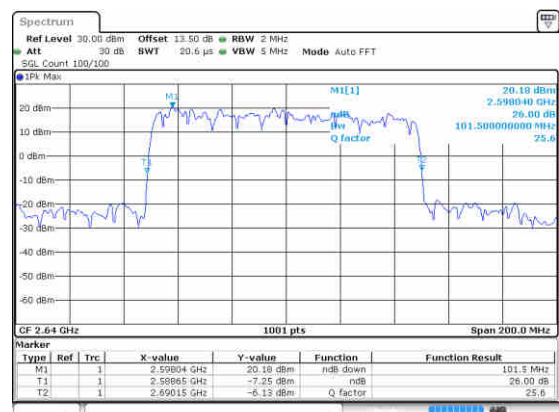
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM



**Occupied Bandwidth**

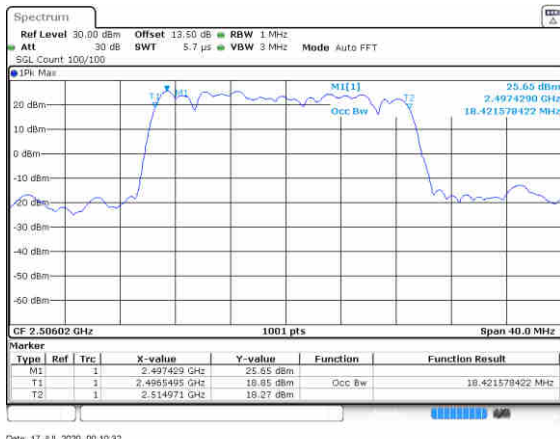
Mode	N 41 : OB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK
Lowest CH	18.42	18.62	35.96	35.88	45.85	45.65	58.50	58.74	76.56	77.04	86.74	86.48
Middle CH	18.18	18.38	36.12	36.04	46.25	45.75	58.62	58.62	77.84	77.68	87.00	86.74
Highest CH	18.30	18.54	35.72	35.96	45.55	45.85	57.54	58.86	77.36	77.52	87.00	86.22
Mode	N41 : OB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM
Lowest CH	18.50	18.54	36.04	35.96	45.95	45.85	58.26	58.14	77.52	77.20	86.74	86.48
Middle CH	18.58	18.46	35.88	35.96	46.15	45.85	58.74	58.50	77.68	77.36	86.74	86.74
Highest CH	18.46	18.58	36.12	35.96	46.05	45.85	58.62	57.78	77.52	78.00	87.00	86.48
Mode	N 41 : OB BW(MHz)											
BW	100MHz											
Mod.	BPSK	QPSK	16QAM	64QAM								
Lowest CH	96.70	96.30	96.10	96.30								
Middle CH	97.30	97.10	97.10	96.50								
Highest CH	96.90	96.30	97.10	95.70								



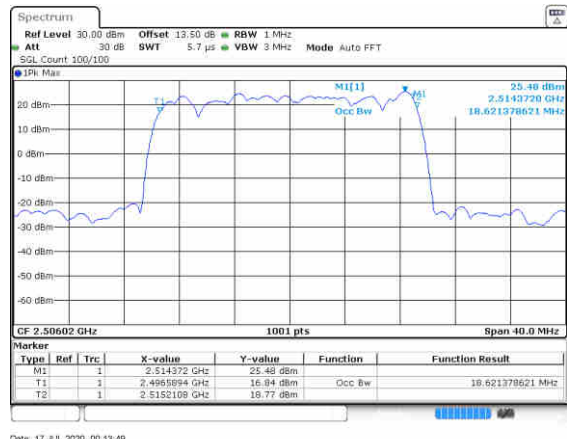
n41A

Combination LTE 10MHz + NR 20MHz

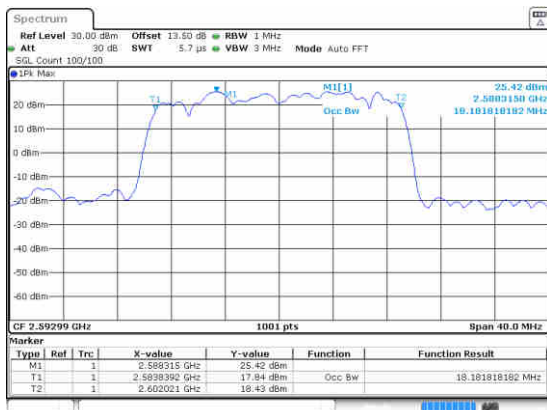
Lowest Channel / BPSK



Lowest Channel / QPSK



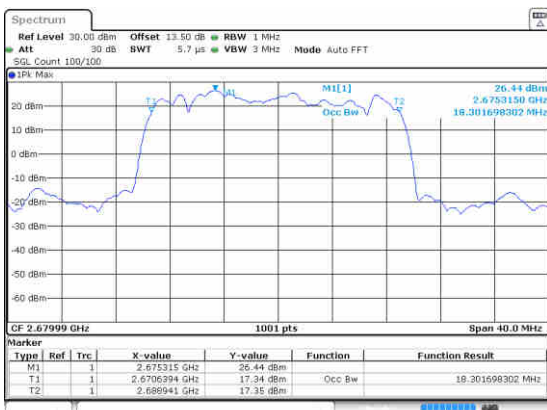
Middle Channel / BPSK



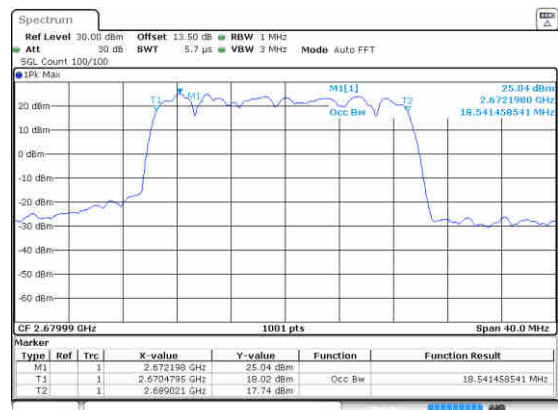
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK





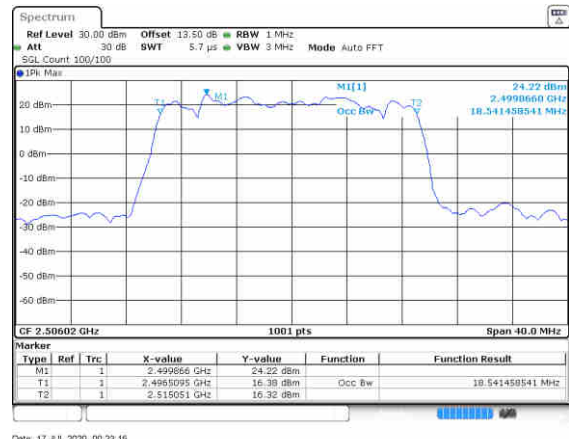
n41A

Combination LTE 10MHz + NR 20MHz

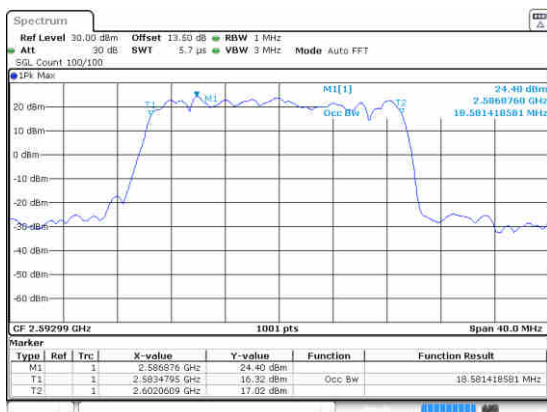
Lowest Channel / 16QAM



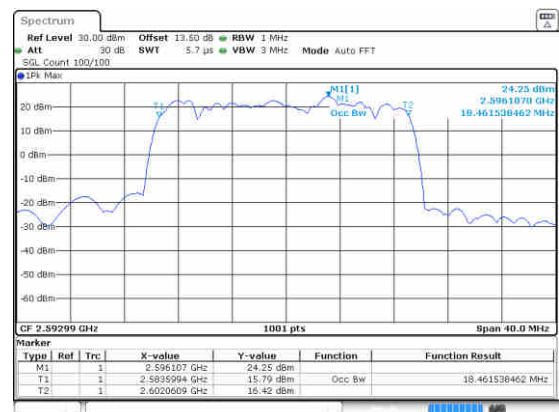
Lowest Channel / 64QAM



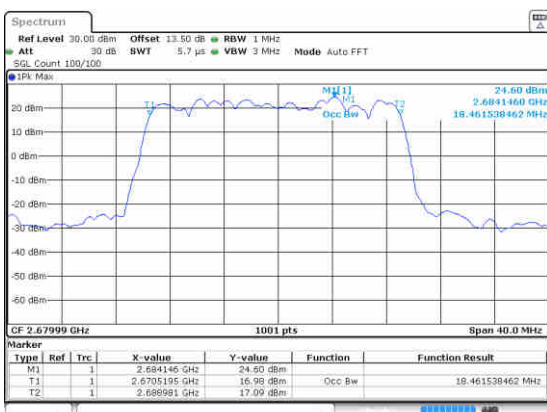
Middle Channel / 16QAM



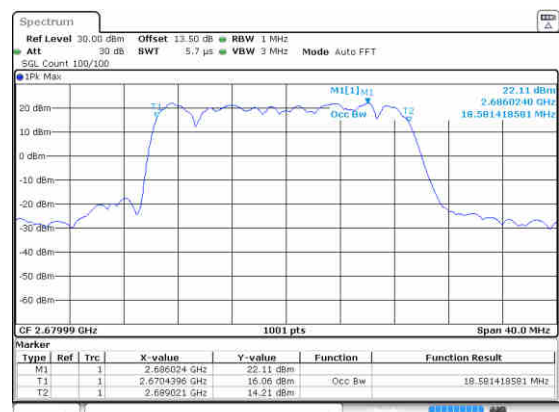
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

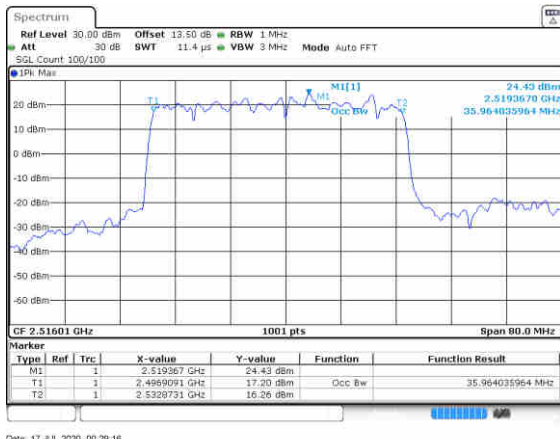




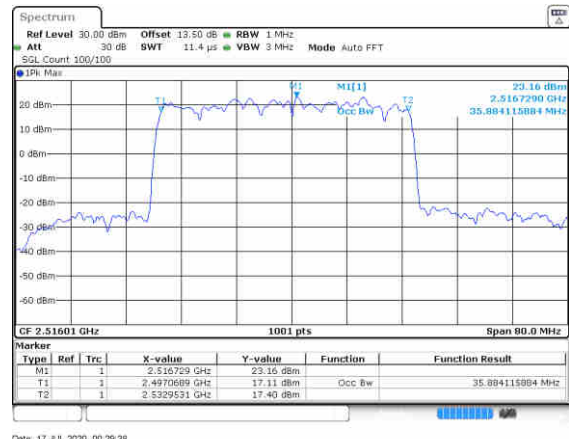
n41A

Combination LTE 10MHz + NR 40MHz

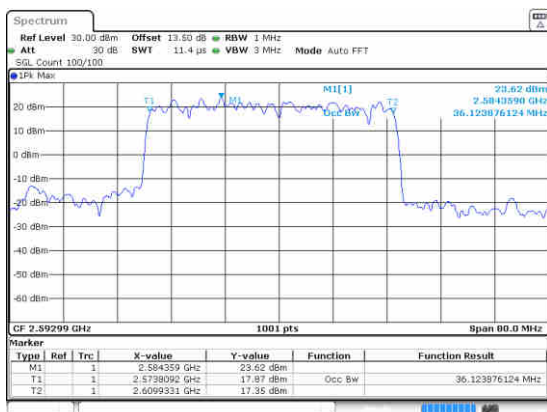
Lowest Channel / BPSK



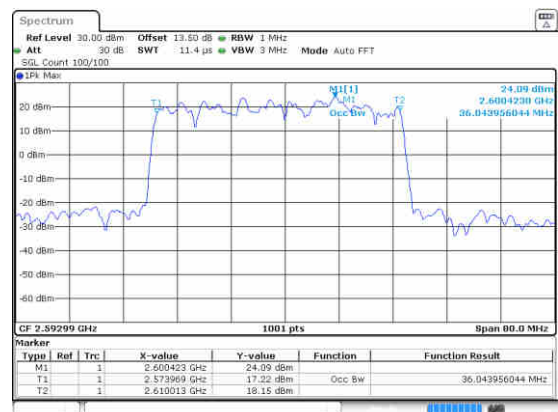
Lowest Channel / QPSK



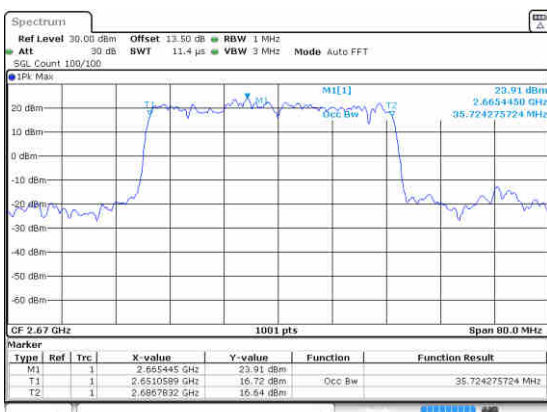
Middle Channel / BPSK



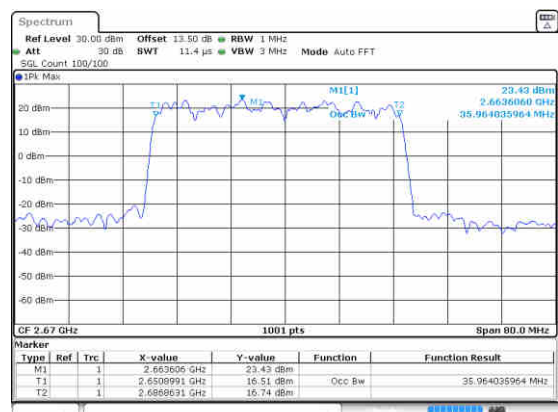
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

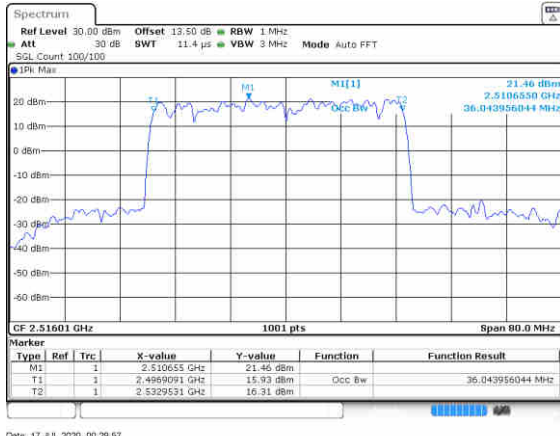




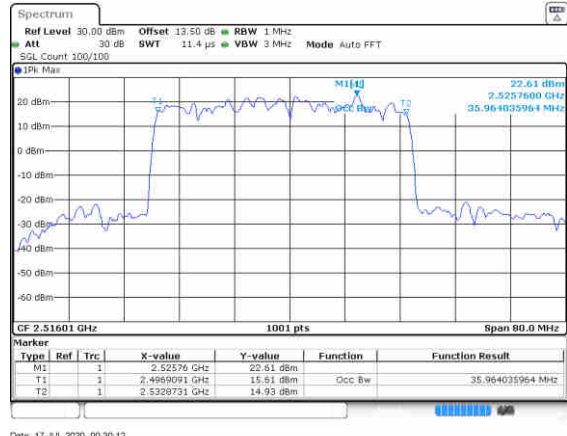
n41A

Combination LTE 10MHz + NR 40MHz

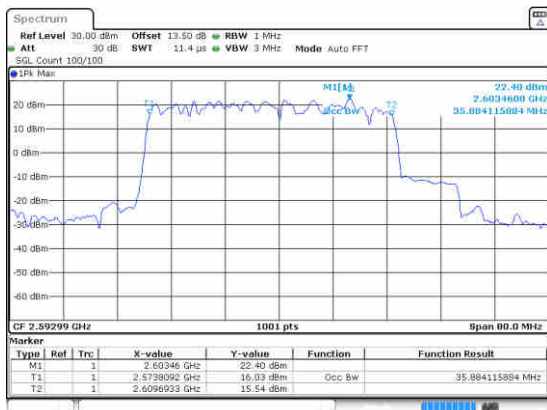
Lowest Channel / 16QAM



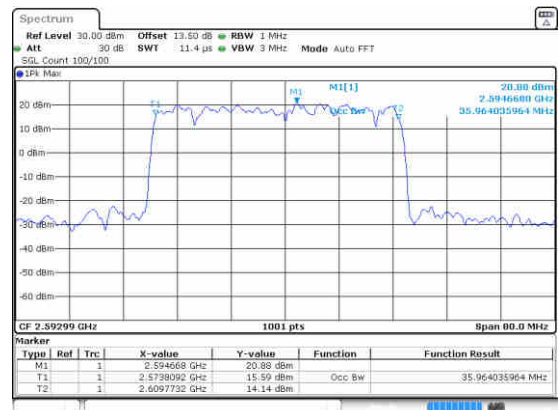
Lowest Channel / 64QAM



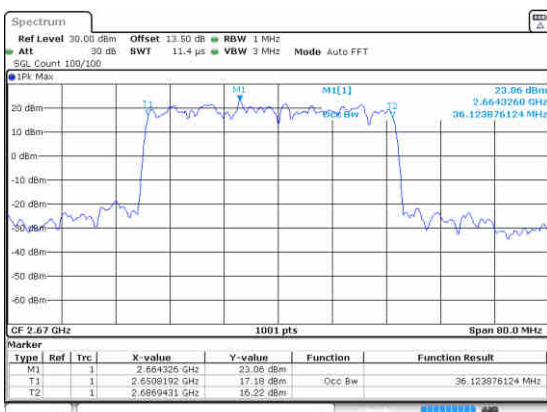
Middle Channel / 16QAM



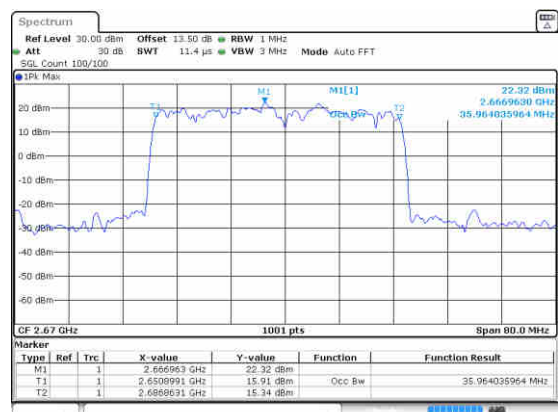
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

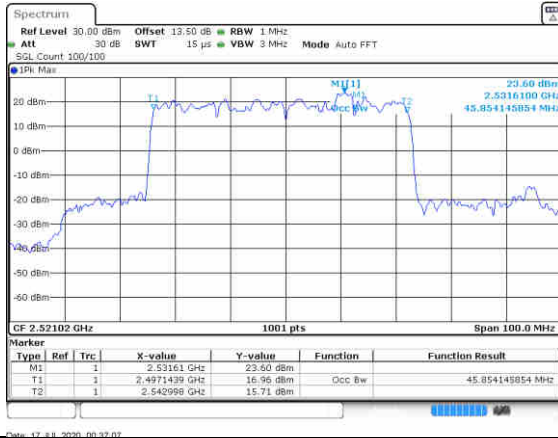




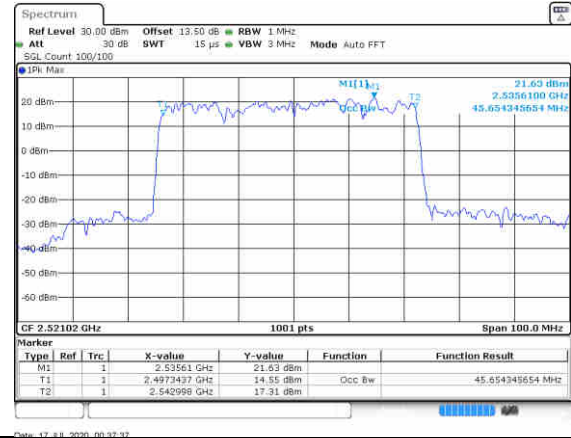
n41A

Combination LTE 10MHz + NR 50MHz

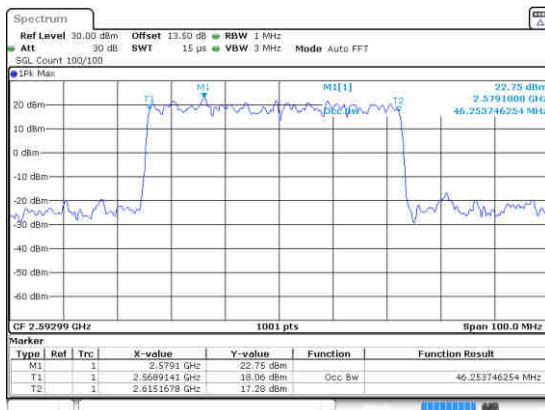
Lowest Channel / BPSK



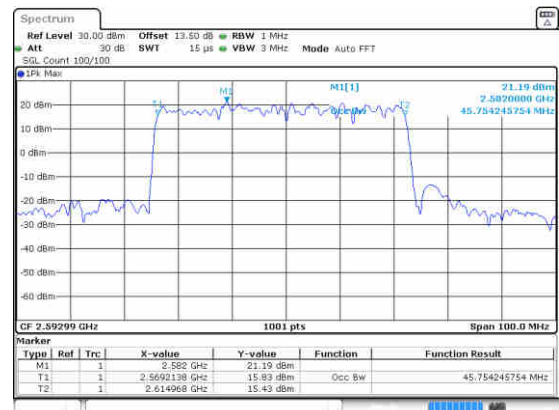
Lowest Channel / QPSK



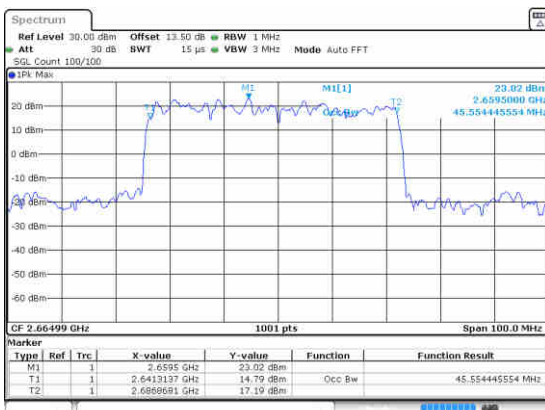
Middle Channel / BPSK



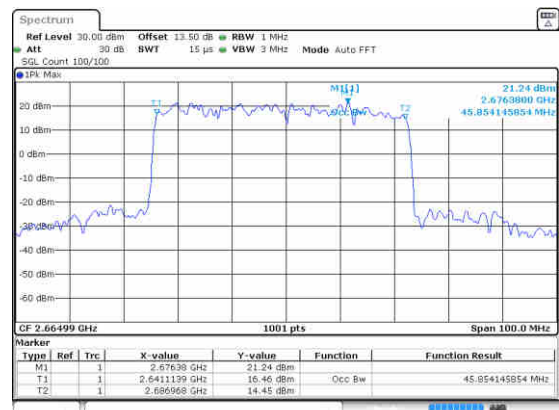
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

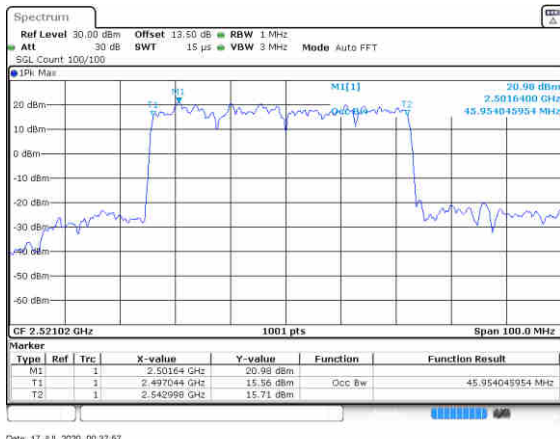




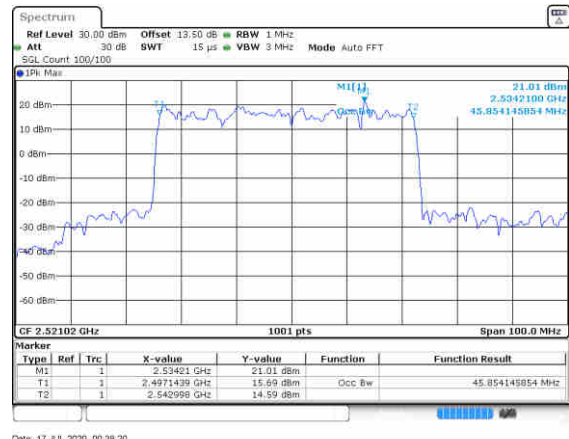
n41A

Combination LTE 10MHz + NR 50MHz

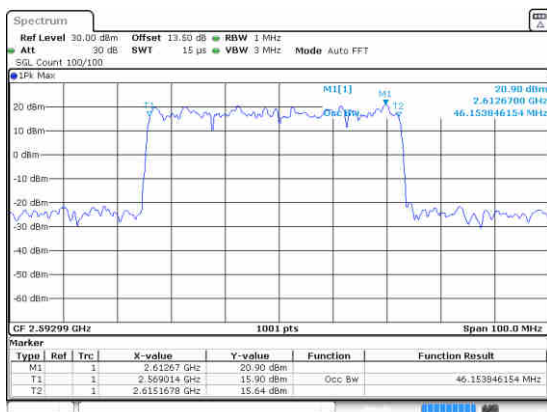
Lowest Channel / 16QAM



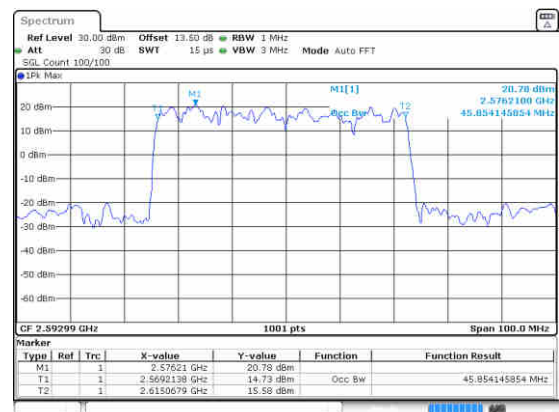
Lowest Channel / 64QAM



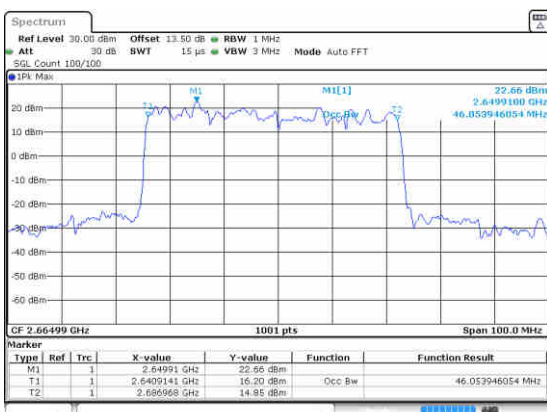
Middle Channel / 16QAM



Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

