



FCC RADIO TEST REPORT

FCC ID : QISLYA-LX9
Equipment : Smartphone
Brand Name : HUAWEI
Model Name : LYA-L29, LYA-L09
Applicant : Huawei Technologies Co., Ltd.
Administration Building, Headquarters of
Huawei Technologies Co., Ltd., Bantian,
Longgang District, Shenzhen, 518129, P.R.C
Manufacturer : Huawei Technologies Co., Ltd.
Administration Building, Headquarters of
Huawei Technologies Co., Ltd., Bantian,
Longgang District, Shenzhen, 518129, P.R.C
Standard : FCC 47 CFR Part 2, and 90(S)

The product was received on Aug. 02, 2018 and testing was started from Aug. 08, 2018 and completed on Aug. 23, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Eric Shih



Approved by: Eric Shih / Manager

Sporton International (Shenzhen) Inc.

**1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan Shenzhen City
Guangdong Province 518055 China**



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Appendix A. Test Results of Conducted Test

Appendix B. Test Results of Radiated Test



History of this test report

Report No.	Version	Description	Issued Date
FG880204B	01	Initial issue of report	Sep. 11, 2018



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046 §90.635	Conducted Output Power	Pass	-
3.3	-	Peak-to-Average Ratio	Reporting only	-
3.4	§2.1049 §90.209	Occupied Bandwidth and 26dB Bandwidth	Reporting only	-
3.5	§2.1051 §90.691	Emission masks – In-band emissions	Pass	-
3.6	§2.1051 §90.691	Emission masks – Out of band emissions	Pass	-
3.7	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	Pass	-
3.8	§2.1053 §90.691	Field Strength of Spurious Radiation	Pass	Under limit 45.15 dB at 2457.750 MHz

Reviewed by: Wii Chang

Report Producer: Maggie Chiang



1 General Description

1.1 Feature of Equipment Under Test

Product Feature	
Equipment	Smartphone
Brand Name	HUAWEI
Model Name	LYA-L29, LYA-L09
FCC ID	QISLYA-LX9
EUT supports Radios application	GSM/WCDMA/HSPA/LTE/NFC/GNSS/WPC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VH160 Bluetooth BR/EDR/LE
HW Version	HL2LAYAM
SW Version	9.0.0.82(C432E82R1P7)
EUT Stage	Production Unit



Accessories Information				
AC Adapter 1	Brand Name	Huawei Technologies Co., Ltd.	Model Name	HW-100400A00
	Manufacturer	Huawei Technologies Co., Ltd.		
	Power Rating	I/P: 100 - 240 Vac~50/60Hz, 1.2 A; O/P: 5V === 2A or 9V=== 2A or 10V=== 4A		
AC Adapter 2	Brand Name	Huawei Technologies Co., Ltd.	Model Name	HW-100400U00
	Manufacturer	Huawei Technologies Co., Ltd.		
	Power Rating	I/P: 100 - 240 Vac~50/60Hz, 1.2 A; O/P: 5V === 2A or 9V=== 2A or 10V=== 4A		
AC Adapter 3	Brand Name	Huawei Technologies Co., Ltd.	Model Name	HW-100400E00
	Manufacturer	Huawei Technologies Co., Ltd.		
	Power Rating	I/P: 100 - 240 Vac~50/60Hz, 1.2 A; O/P: 5V === 2A or 9V=== 2A or 10V=== 4A		
AC Adapter 4	Brand Name	Huawei Technologies Co., Ltd.	Model Name	HW-100400B00
	Manufacturer	Huawei Technologies Co., Ltd.		
	Power Rating	I/P: 100 - 240 Vac~50/60Hz, 1.2 A; O/P: 5V === 2A or 9V=== 2A or 10V=== 4A		
Battery 1	Brand Name	Huawei Technologies Co., Ltd.	Model Name	HB486486ECW
	Power Rating	Nominal Voltage: ===+3.82Vdc Charging Voltage: ===+4.4V Rated Capacity: 4100mAh	Type	Li-ion Polymer
Battery 2	Brand Name	Huawei Technologies Co., Ltd.	Model Name	HB486486ECW
	Power Rating	Nominal Voltage: ===+3.82Vdc Charging Voltage: ===+4.4V Rated Capacity: 4100mAh	Type	Li-ion Polymer
Battery 3	Brand Name	Huawei Technologies Co., Ltd.	Model Name	HB486486ECW
	Power Rating	Nominal Voltage: ===+3.82Vdc Charging Voltage: ===+4.4V Rated Capacity: 4100mAh	Type	Li-ion Polymer
Earphone 1	Brand Name	Jiangxi Lianchuang Hongsheng Electronic Co., Ltd.		
	Model Name	MEND1632B729003	Number	22040325
Earphone 2	Brand Name	GoerTek Inc.		
	Model Name	Windy-S	Number	22040325
Earphone 3	Brand Name	Boluo County Quancheng Electronic Co., Ltd.		
	Model Name	1331-3301-6001-TC-088	Number	22040325
Earphone 4	Brand Name	Boluo County Quancheng Electronic Co., Ltd.		
	Model Name	630276	Number	N/A

Note: Regarding to more detail and other information, please refer to user manual.

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx Frequency	LTE Band 26 : 814.7 ~ 823.3 MHz
Rx Frequency	LTE Band 26 : 859.7 ~ 868.3 MHz
Bandwidth	1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz
Maximum Output Power to Antenna	24.13 dBm
Antenna Type	IFA Antenna
Antenna Gain	-5.35 dBi for Up Antenna -4.05 dBi for Down Antenna
Type of Modulation	QPSK / 16QAM / 64QAM

1.3 Modification of EUT

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

1.4 Maximum Frequency Tolerance and Emission Designator

<For Up Antenna>

LTE Band 26		QPSK		16QAM		64QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)
1.4	814.7 ~ 823.3	1M10G7D	-	1M11W7D	-	1M09W7D	-
3	815.5 ~ 822.5	2M73G7D	-	2M73W7D	-	2M74W7D	-
5	816.5 ~ 821.5	4M50G7D	-	4M50W7D	-	4M51W7D	-
10	819.0	9M01G7D	0.0089	8M99W7D	-	9M07W7D	-
15	821.5	13M5G7D	0.0083	13M4W7D	-	13M4W7D	-

<For Down Antenna>

LTE Band 26		QPSK		16QAM		64QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)
1.4	814.7 ~ 823.3	1M10G7D	-	1M11W7D	-	1M09W7D	-
3	815.5 ~ 822.5	2M73G7D	-	2M73W7D	-	2M74W7D	-
5	816.5 ~ 821.5	4M50G7D	-	4M50W7D	-	4M51W7D	-
10	819.0	9M01G7D	0.0089	8M99W7D	-	9M07W7D	-
15	821.5	13M5G7D	0.0083	13M4W7D	-	13M4W7D	-



1.5 Testing Site

Sporton International (Kunshan) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0) and the FCC designation No. is CN5013.

Test Site	Sporton International (Kunshan) Inc.	
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone, Jiangsu Province 215335, China TEL : +86-512-57900158 FAX : +86-512-57900958	
Test Site No.	Sporton Site No.	FCC Test Firm Registration No.
	TH01-KS	630927

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

Sporton International (Shenzhen) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600156-0) and the FCC designation No are CN5018 and CN5019.

Test Site	Sporton International (Shenzhen) Inc.	
Test Site Location	No. 3 Bldg the third floor of south, Shahe River west, Fengzeyuan Warehouse, Nanshan District Shenzhen City Guangdong Province 518055 China TEL: +86-755-3320-2398	
Test Site No.	Sporton Site No.	FCC Test Firm Registration No.
	03CH01-SZ	577730

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



1.6 Applied Standards

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

- ♦ FCC 47 CFR Part 2, 90
- ♦ ANSI / TIA-603-E
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ Interim Guidance for Equipment Authorization of Devices with Channel Bandwidths Combined Across Two Contiguous Service Rule Allocations OET/Lab/EACB, June 6, 2013

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

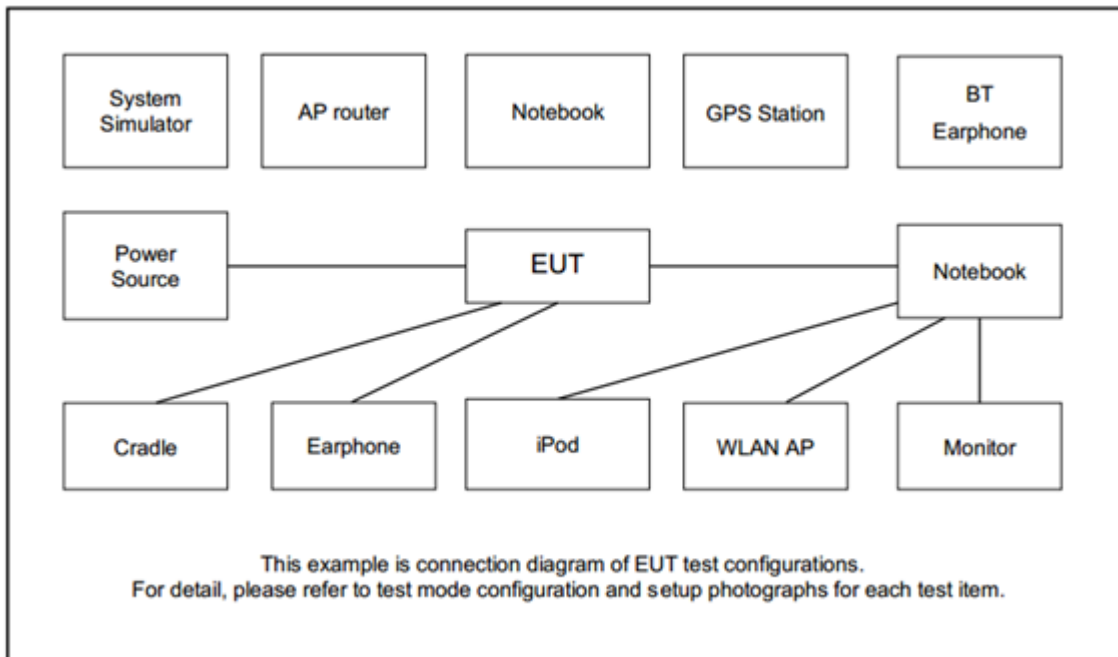
During all testing, EUT is in link mode with base station emulator at maximum power level.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz.

Conducted Test Cases	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	26					v	-	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	26	v	v	v	v	v	-	v	v	v			v	v	v	v
Emission masks In-band emissions	26	v	v	v	v	v	-	v	v	v	v		v	v		v
Emission masks – Out of band emissions	26	v	v	v	v	v	-	v	v	v	v			v	v	v
Frequency Stability	26				v	v	-	v	v	v			v		v	
Radiated Spurious Emission	26	Worst Case											v	v	v	
Remark	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. LTE Band26 transmit frequency for part22 rule is 824MHz-849MHz, for part90 rule is 814MHz-824MHz. ERP over 15MHz bandwidth complies the ERP limit line of part22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies. All the radiated test cases were performed with Earphone 1 and USB Cable 1. 															

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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.2 dB and a 10dB attenuator.

Example :

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



2.5 Frequency List of Low/Middle/High Channels

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26765	-	-
	Frequency	821.5	-	-
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

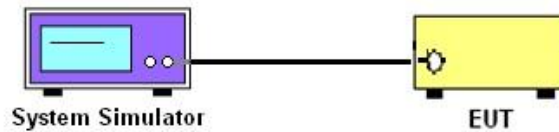
3 Conducted Test Items

3.1 Measuring Instruments

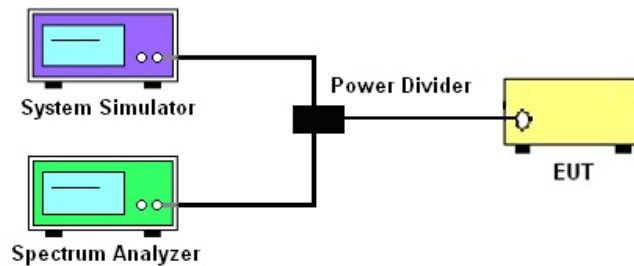
See list of measuring instruments of this test report.

3.1.1 Test Setup

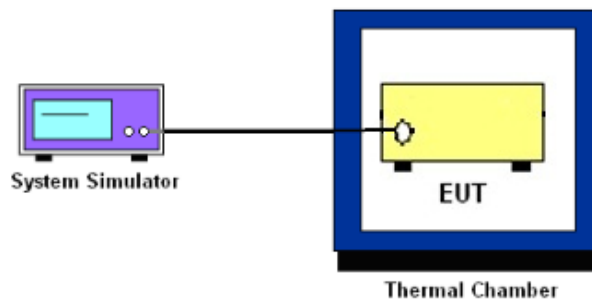
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power Measurement

3.2.1 Description of the Conducted Output Power Measurement

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Reporting only

3.3.2 Test Procedures

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



3.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement

3.4.1 Description of (Occupied) Bandwidth Limitations Measurement

The 99% 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 emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

3.4.2 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The 26dB and 99% occupied bandwidth (BW) of the middle channel for the highest RF power with full RB sizes were measured.



3.5 Emissions Mask Measurement

3.5.1 Description of Emissions Mask Measurement

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691.(a)

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

3.5.2 Test Procedures

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. The measured RBW and the VBW set 3 times of RBW are then set in spectrum analyzer, and
4. the RBW correction factor $10 \log (1\% \text{ of } \text{OBW}/\text{measured RBW})(\text{dB})$ was compensated, if required.
5. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.



3.6 Emissions Mask – Out Of Band Emissions Measurement

3.6.1 Description of Conducted Emissions Out of band emissions measurement

The power of any emission FCC Part 90.691 (a)(2) on any frequency removed from the assigned frequency by out of the authorized bandwidth at least $43 + 10 \log (P)$ dB. It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.6.2 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



3.7 Frequency Stability Measurement

3.7.1 Description of Frequency Stability Measurement

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

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.7.3 Test Procedures for Temperature Variation

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

3.7.4 Test Procedures for Voltage Variation

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



3.8 Field Strength of Spurious Radiation Measurement

3.8.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

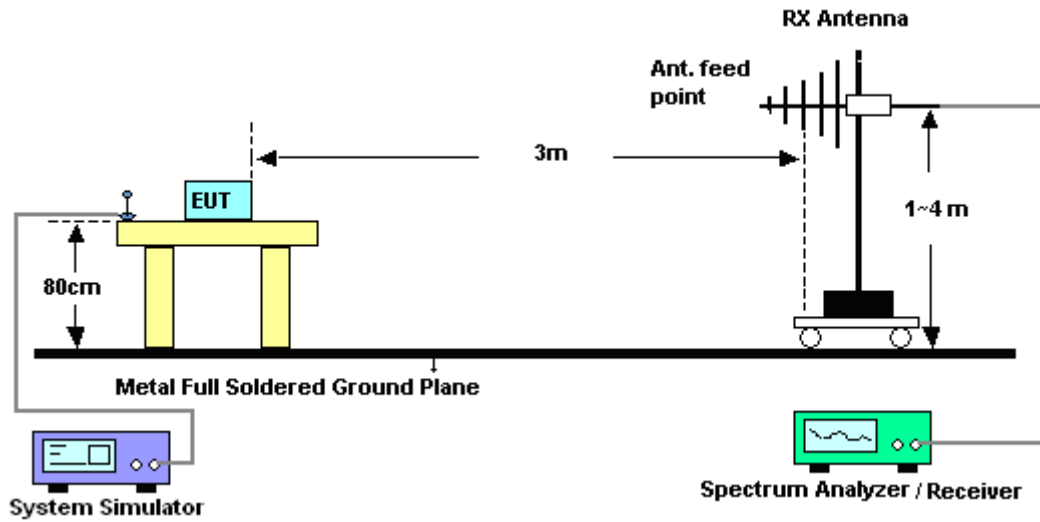
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43+10\log_{10}(P[\text{Watts}])$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2 Test Procedures

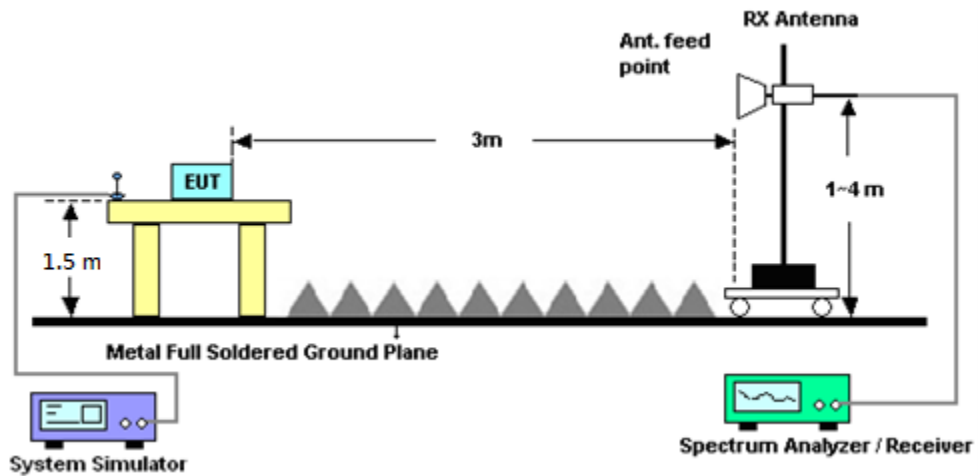
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

3.8.3 Test Setup

For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



3.8.4 Test Result of Field Strength of Spurious Radiated

Please refer to Appendix B.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV30	101338	10Hz~30GHz	Apr. 19, 2018	Aug. 18, 2018 ~ Aug. 23, 2018	Apr. 18, 2019	Conducted (TH01-KS)
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Aug. 07, 2018	Aug. 18, 2018 ~ Aug. 23, 2018	Aug. 06, 2019	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	-40~+150°C	Oct.12, 2017	Aug. 18, 2018 ~ Aug. 23, 2018	Oct. 11, 2018	Conducted (TH01-KS)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Apr. 19, 2018	Aug. 08, 2018 ~ Aug. 20, 2018	Apr. 18, 2019	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Apr. 19, 2018	Aug. 08, 2018 ~ Aug. 20, 2018	Apr. 18, 2019	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	119436	1GHz~18GHz	Jul. 28, 2018	Aug. 08, 2018 ~ Aug. 20, 2018	Jul. 27, 2019	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Mar. 30, 2018	Aug. 08, 2018 ~ Aug. 20, 2018	Mar. 29, 2019	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 19, 2018	Aug. 08, 2018 ~ Aug. 20, 2018	Apr. 18, 2019	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101 800-30-10P-R	1707137	1GHz~18GHz	Oct.19, 2017	Aug. 08, 2018 ~ Aug. 20, 2018	Oct. 18, 2018	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270104	0.5GHz~ 26.5Ghz	Oct.19, 2017	Aug. 08, 2018 ~ Aug. 20, 2018	Oct. 18, 2018	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840- 35-HG	1871923	18GHz~40GHz	Jul. 30, 2018	Aug. 08, 2018 ~ Aug. 20, 2018	Jul. 30, 2019	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Aug. 08, 2018 ~ Aug. 20, 2018	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Aug. 08, 2018 ~ Aug. 20, 2018	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Aug. 08, 2018 ~ Aug. 20, 2018	NCR	Radiation (03CH01-SZ)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.5
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.5
---	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.0
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

<For Up Antenna>

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.31	-	-
15	1	37		22.86	-	-
15	1	74		23.22	-	-
15	36	0		22.45	-	-
15	36	20		22.34	-	-
15	36	39		22.46	-	-
15	75	0		22.47	-	-
15	1	0	16-QAM	22.49	-	-
15	1	37		22.38	-	-
15	1	74		22.04	-	-
15	36	0		21.30	-	-
15	36	20		21.42	-	-
15	36	39		21.45	-	-
15	75	0		21.30	-	-
15	1	0	64-QAM	21.57	-	-
15	1	37		21.10	-	-
15	1	74		21.64	-	-
15	36	0		20.28	-	-
15	36	20		20.20	-	-
15	36	39		20.22	-	-
15	75	0		20.43	-	-
10	1	0	QPSK	-	23.29	-
10	1	25		-	23.16	-
10	1	49		-	23.40	-
10	25	0		-	22.26	-
10	25	12		-	22.40	-
10	25	25		-	22.36	-
10	50	0		-	22.33	-
10	1	0	16-QAM	-	22.70	-
10	1	25		-	22.33	-
10	1	49		-	22.86	-
10	25	0		-	21.30	-
10	25	12		-	21.28	-
10	25	25		-	21.24	-
10	50	0		-	21.19	-
10	1	0	64-QAM	-	21.68	-
10	1	25		-	21.51	-
10	1	49		-	21.34	-
10	25	0		-	20.33	-
10	25	12		-	20.18	-
10	25	25		-	20.15	-
10	50	0		-	20.30	-



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.27	23.38	23.40
5	1	12		23.10	23.04	23.15
5	1	24		23.16	23.20	23.32
5	12	0		22.37	22.40	22.49
5	12	7		22.40	22.34	22.47
5	12	13		22.32	22.38	22.39
5	25	0		22.26	22.33	22.37
5	1	0	16-QAM	22.34	22.87	22.69
5	1	12		22.87	22.94	22.70
5	1	24		22.56	22.68	22.64
5	12	0		21.40	21.26	21.36
5	12	7		21.13	21.21	21.36
5	12	13		21.22	21.17	21.52
5	25	0		21.10	21.32	21.37
5	1	0	64-QAM	22.36	22.32	22.25
5	1	12		22.34	22.21	22.16
5	1	24		22.12	22.39	22.28
5	12	0		21.30	21.16	21.40
5	12	7		21.31	21.13	21.19
5	12	13		21.25	21.23	21.44
5	25	0		21.28	21.19	21.22
3	1	0	QPSK	23.31	23.32	23.37
3	1	8		23.10	23.09	23.03
3	1	14		23.24	23.31	23.40
3	8	0		21.92	22.37	22.42
3	8	4		22.36	22.01	22.37
3	8	7		22.38	22.18	22.27
3	15	0		22.30	22.25	22.40
3	1	0	16-QAM	22.38	22.55	22.40
3	1	8		22.56	22.34	22.21
3	1	14		22.43	22.70	22.26
3	8	0		21.30	21.51	21.58
3	8	4		21.56	21.30	21.51
3	8	7		21.35	21.23	21.21
3	15	0		21.22	21.30	21.37
3	1	0	64-QAM	22.45	22.50	22.42
3	1	8		22.45	22.32	22.24
3	1	14		22.13	22.22	22.23
3	8	0		21.35	21.26	21.45
3	8	4		21.25	21.25	21.12
3	8	7		21.17	21.24	21.10
3	15	0		21.18	21.23	21.35



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.40	23.40	23.35
1.4	1	3		23.12	23.40	23.32
1.4	1	5		23.38	23.32	23.33
1.4	3	0		23.20	23.29	23.35
1.4	3	1		23.19	23.25	22.90
1.4	3	3		23.26	23.40	23.26
1.4	6	0		22.36	22.23	22.31
1.4	1	0	16-QAM	22.65	22.24	22.23
1.4	1	3		22.21	22.08	22.40
1.4	1	5		22.67	22.02	22.09
1.4	3	0		22.31	22.29	22.28
1.4	3	1		21.74	22.30	22.47
1.4	3	3		22.60	22.48	22.10
1.4	6	0		21.20	21.22	21.30
1.4	1	0	64-QAM	22.22	22.46	22.23
1.4	1	3		22.19	22.06	22.14
1.4	1	5		22.28	22.44	22.31
1.4	3	0		22.14	22.05	22.09
1.4	3	1		22.17	22.13	22.40
1.4	3	3		22.45	22.14	22.32
1.4	6	0		21.21	21.07	21.39



<For Down Antenna>

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.12	-	-
15	1	37		23.67	-	-
15	1	74		24.13	-	-
15	36	0		23.16	-	-
15	36	20		23.21	-	-
15	36	39		23.18	-	-
15	75	0		23.19	-	-
15	1	0	16-QAM	23.41	-	-
15	1	37		22.90	-	-
15	1	74		23.33	-	-
15	36	0		22.13	-	-
15	36	20		22.19	-	-
15	36	39		22.12	-	-
15	75	0		22.19	-	-
15	1	0	64-QAM	22.72	-	-
15	1	37		22.29	-	-
15	1	74		22.79	-	-
15	36	0		21.75	-	-
15	36	20		21.58	-	-
15	36	39		21.64	-	-
15	75	0		21.59	-	-
10	1	0	QPSK	-	24.04	-
10	1	25		-	23.85	-
10	1	49		-	24.11	-
10	25	0		-	23.02	-
10	25	12		-	22.98	-
10	25	25		-	23.06	-
10	50	0		-	23.02	-
10	1	0	16-QAM	-	23.33	-
10	1	25		-	23.13	-
10	1	49		-	23.36	-
10	25	0		-	21.96	-
10	25	12		-	21.94	-
10	25	25		-	21.98	-
10	50	0		-	21.93	-
10	1	0	64-QAM	-	22.57	-
10	1	25		-	22.42	-
10	1	49		-	22.48	-
10	25	0		-	21.55	-
10	25	12		-	21.57	-
10	25	25		-	21.56	-
10	50	0		-	21.54	-



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.05	24.00	24.02
5	1	12		23.64	23.63	23.76
5	1	24		24.10	24.01	24.09
5	12	0		23.12	23.07	23.02
5	12	7		23.05	23.00	23.07
5	12	13		23.01	23.07	23.06
5	25	0		23.04	22.97	23.09
5	1	0	16-QAM	23.29	23.26	23.24
5	1	12		22.91	22.72	22.73
5	1	24		23.31	23.30	23.20
5	12	0		22.02	22.02	22.01
5	12	7		22.03	21.93	22.06
5	12	13		22.00	22.03	22.01
5	25	0		21.99	21.94	21.97
5	1	0	64-QAM	21.75	22.15	21.84
5	1	12		21.29	22.08	21.45
5	1	24		21.90	22.23	21.79
5	12	0		20.70	21.61	20.68
5	12	7		20.62	21.57	20.67
5	12	13		20.68	21.60	20.70
5	25	0		20.65	21.55	20.60
3	1	0	QPSK	24.00	24.08	24.05
3	1	8		24.02	24.11	24.04
3	1	14		24.13	24.10	23.94
3	8	0		22.95	22.93	23.03
3	8	4		23.01	23.00	23.08
3	8	7		23.05	23.04	22.96
3	15	0		23.01	23.01	23.10
3	1	0	16-QAM	23.32	23.37	23.28
3	1	8		23.23	23.30	23.26
3	1	14		23.34	23.37	23.22
3	8	0		22.05	21.96	22.07
3	8	4		22.02	22.04	22.04
3	8	7		21.93	21.99	21.99
3	15	0		21.97	21.97	22.07
3	1	0	64-QAM	21.80	21.63	21.84
3	1	8		21.32	21.24	21.41
3	1	14		21.79	21.67	21.72
3	8	0		20.62	21.52	20.68
3	8	4		20.60	21.51	20.66
3	8	7		20.57	21.45	20.55
3	15	0		20.65	21.54	20.60



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	24.13	24.01	24.04
1.4	1	3		23.76	23.84	23.67
1.4	1	5		24.13	24.04	23.92
1.4	3	0		24.09	24.08	24.00
1.4	3	1		24.01	23.92	23.93
1.4	3	3		24.05	23.95	23.83
1.4	6	0		23.04	23.06	22.90
1.4	1	0	16-QAM	23.36	23.34	23.26
1.4	1	3		23.07	22.99	22.95
1.4	1	5		23.33	23.33	23.23
1.4	3	0		23.12	22.95	22.84
1.4	3	1		23.05	22.93	22.79
1.4	3	3		22.96	22.96	22.76
1.4	6	0		22.08	22.09	22.02
1.4	1	0	64-QAM	21.78	22.67	21.80
1.4	1	3		21.81	22.52	21.69
1.4	1	5		21.94	22.65	21.82
1.4	3	0		21.70	22.51	21.70
1.4	3	1		21.64	22.57	21.73
1.4	3	3		21.75	22.59	21.68
1.4	6	0		20.57	21.56	20.60



LTE Band 26_Part 90S

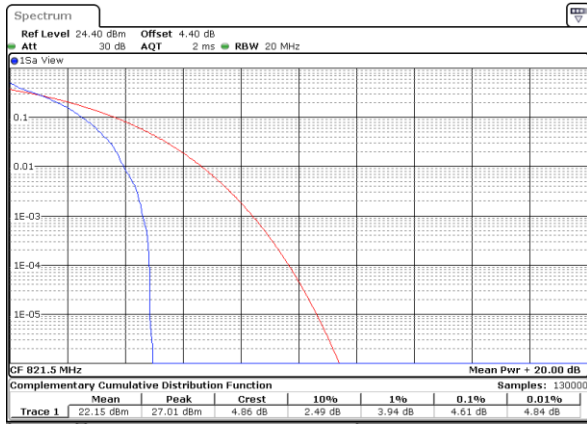
Peak-to-Average Ratio

Mode	LTE Band 26 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.61	5.1	5.57	6	PASS
Middle CH	-	-	-	-	
Highest CH	-	-	-	-	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	5.59	5.94	PASS		
Middle CH	-	-			
Highest CH	-	-			



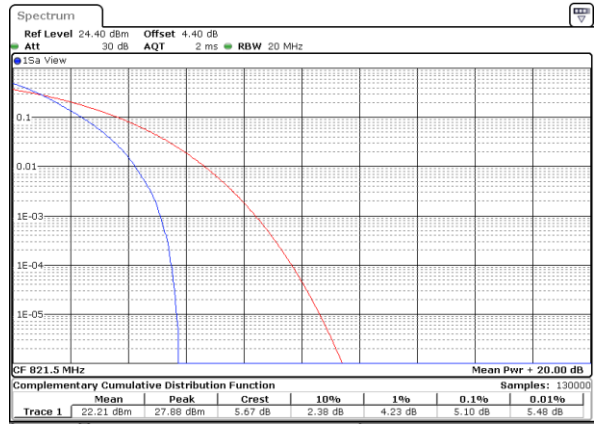
LTE Band 26 / 15MHz / QPSK

Middle Channel / 1RB



Date: 23 AUG 2018 22:34:49

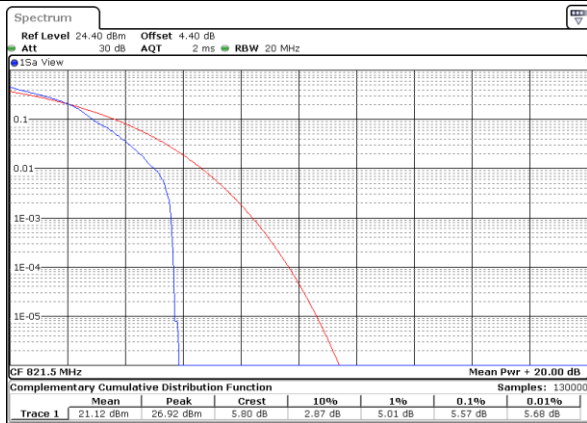
Middle Channel / Full RB



Date: 23 AUG 2018 22:35:00

LTE Band 26 / 15MHz / 16QAM

Middle Channel / 1RB



Date: 23 AUG 2018 22:35:26

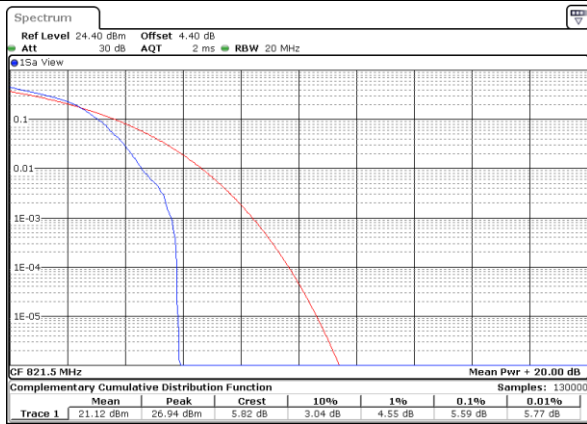
Middle Channel / Full RB



Date: 23 AUG 2018 22:35:15

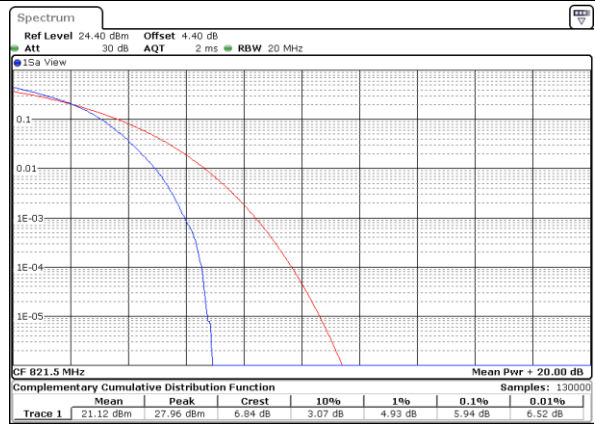
LTE Band 26 / 15MHz / 64QAM

Middle Channel / 1RB



Date: 23 AUG 2018 22:36:21

Middle Channel / Full RB



Date: 23 AUG 2018 22:36:45



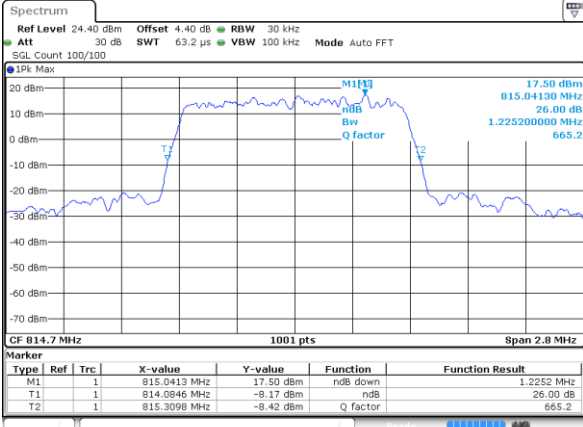
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.225	1.236	3.027	3.009	4.945	4.895	-	-	14.446	14.446	-	-
Middle CH	1.231	1.225	2.973	3.003	4.905	4.865	9.85	9.91	-	-	-	-
Highest CH	1.231	1.248	3.003	3.003	4.825	4.895	-	-	-	-	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM			
Lowest CH	1.225		3.003		4.915				14.805		-	-
Middle CH	1.236		2.985		4.925		9.73				-	-
Highest CH	1.236		3.003		4.895						-	-



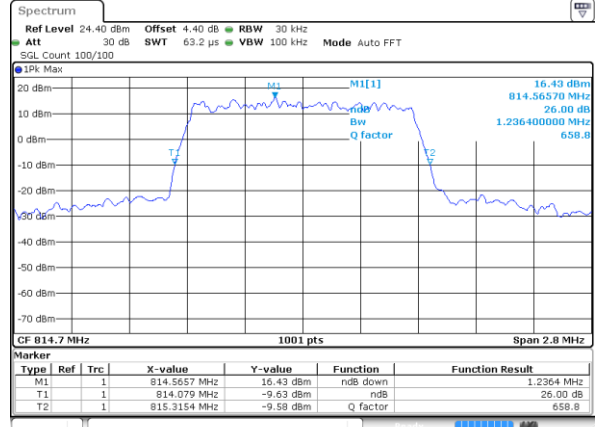
LTE Band 26

Lowest Channel / 1.4MHz / QPSK



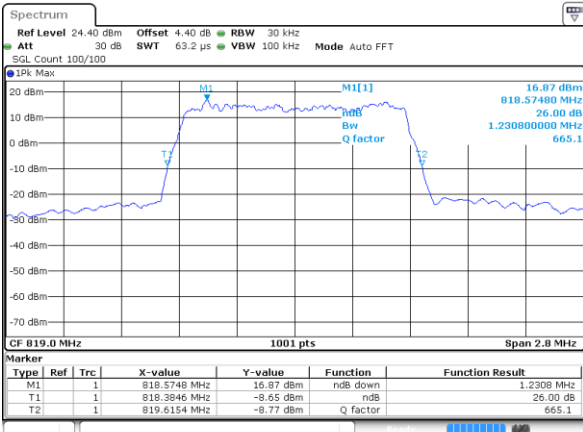
Date: 18 AUG 2018 13:27:29

Lowest Channel / 1.4MHz / 16QAM



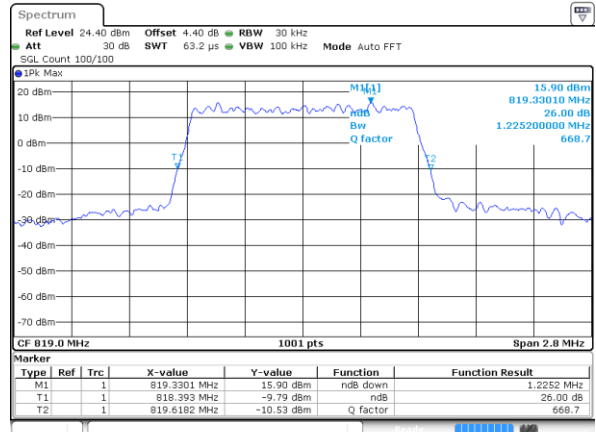
Date: 18 AUG 2018 13:27:48

Middle Channel / 1.4MHz / QPSK



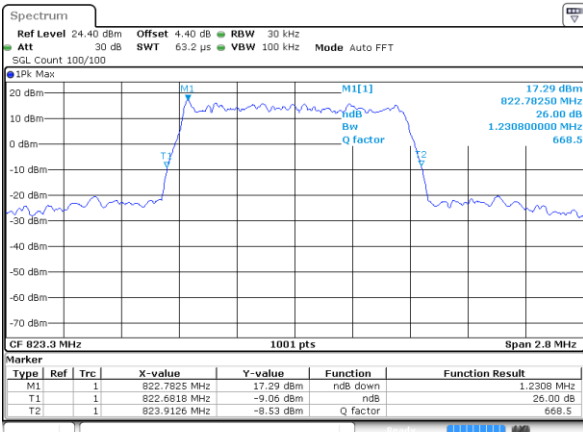
Date: 18 AUG 2018 13:28:28

Middle Channel / 1.4MHz / 16QAM



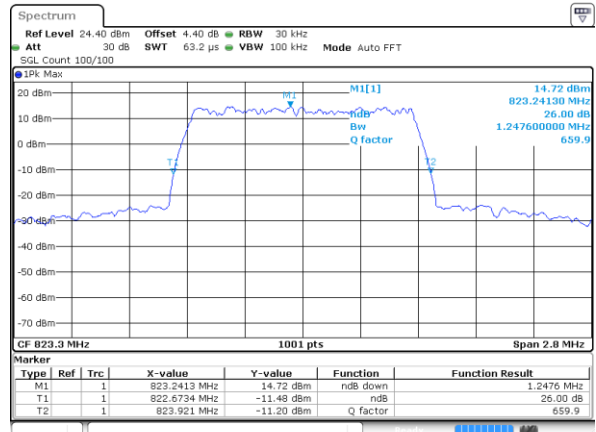
Date: 18 AUG 2018 13:28:47

Highest Channel / 1.4MHz / QPSK



Date: 18 AUG 2018 13:29:29

Highest Channel / 1.4MHz / 16QAM

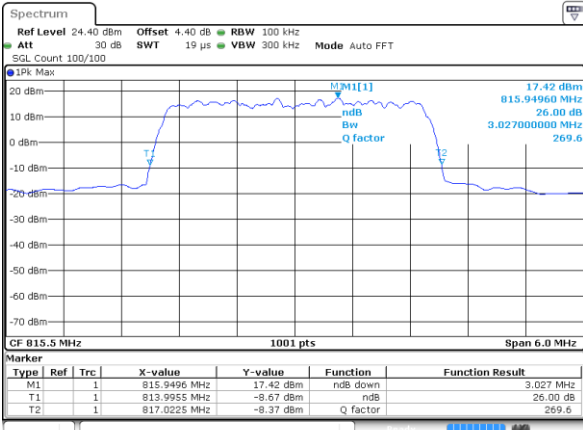


Date: 18 AUG 2018 13:29:46



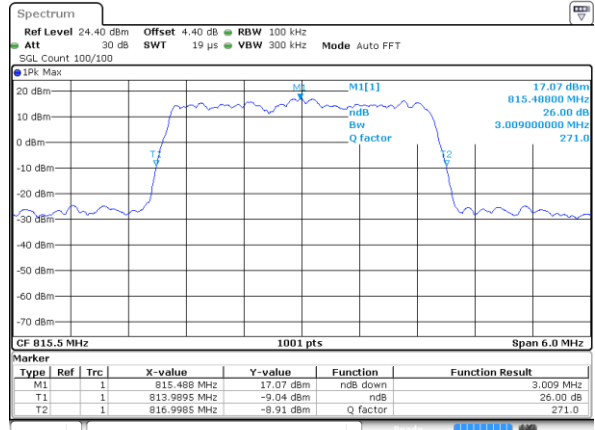
LTE Band 26

Lowest Channel / 3MHz / QPSK



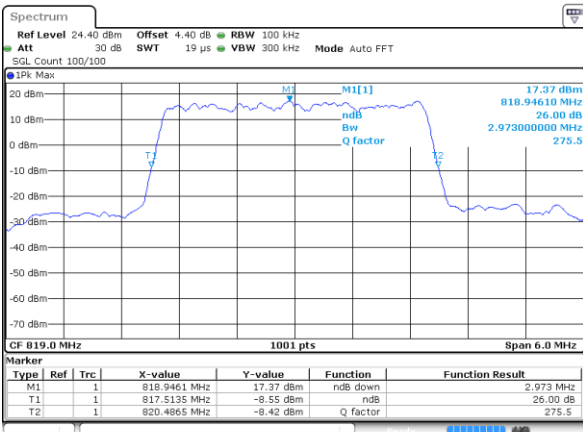
Date: 18 AUG 2018 13:34:33

Lowest Channel / 3MHz / 16QAM



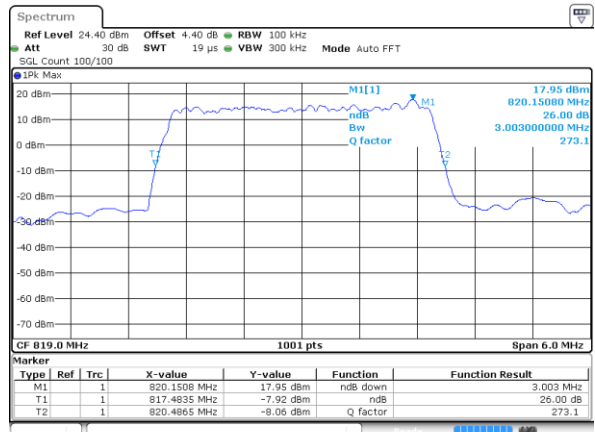
Date: 18 AUG 2018 13:34:52

Middle Channel / 3MHz / QPSK



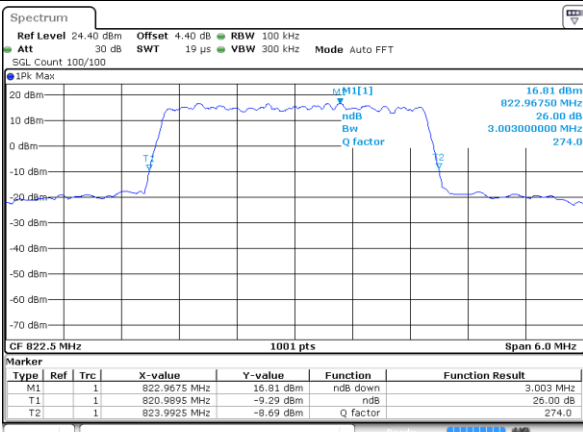
Date: 18 AUG 2018 13:35:31

Middle Channel / 3MHz / 16QAM



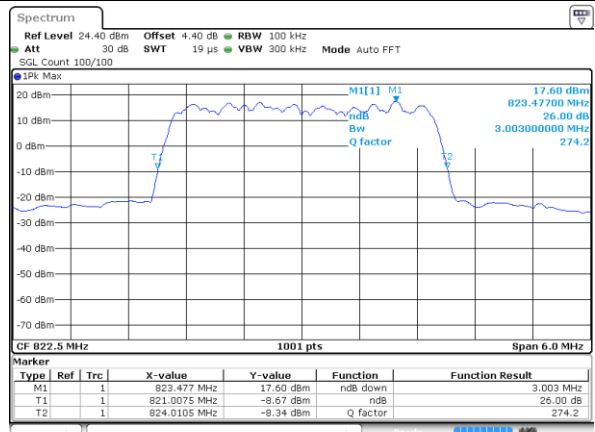
Date: 18 AUG 2018 13:35:49

Highest Channel / 3MHz / QPSK



Date: 18 AUG 2018 13:36:39

Highest Channel / 3MHz / 16QAM

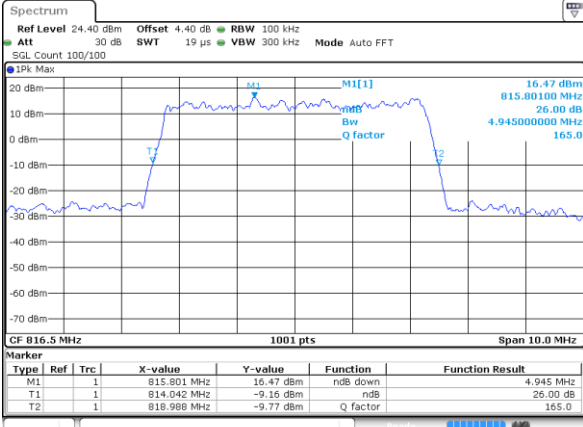


Date: 18 AUG 2018 13:37:03



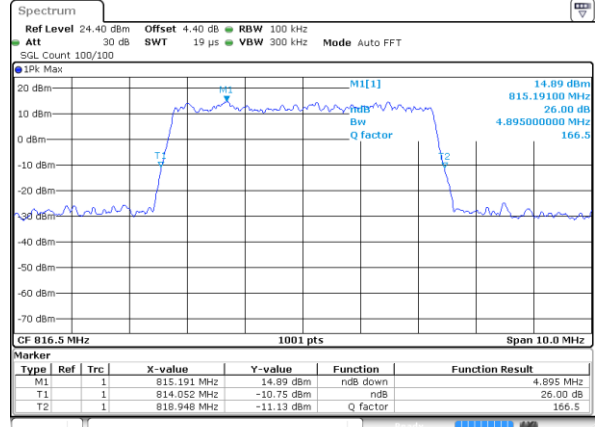
LTE Band 26

Lowest Channel / 5MHz / QPSK



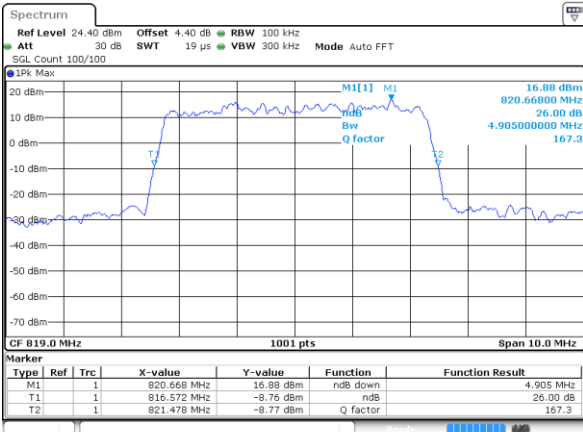
Date: 18 AUG 2018 13:37:53

Lowest Channel / 5MHz / 16QAM



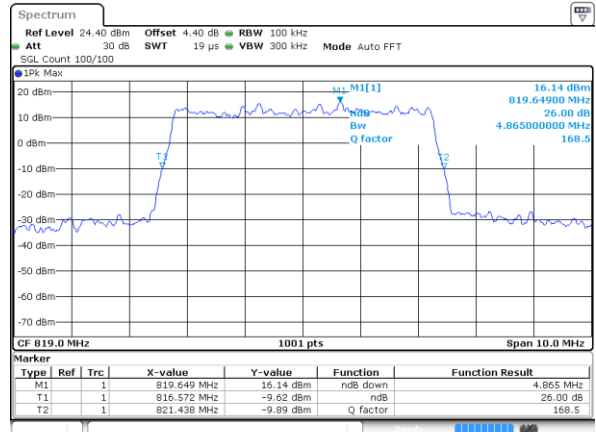
Date: 18 AUG 2018 13:38:12

Middle Channel / 5MHz / QPSK



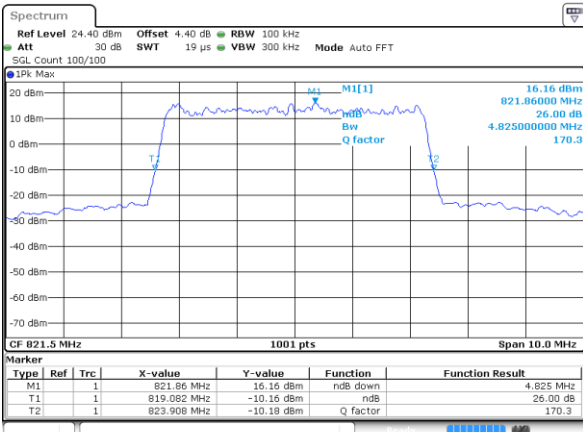
Date: 18 AUG 2018 13:38:52

Middle Channel / 5MHz / 16QAM



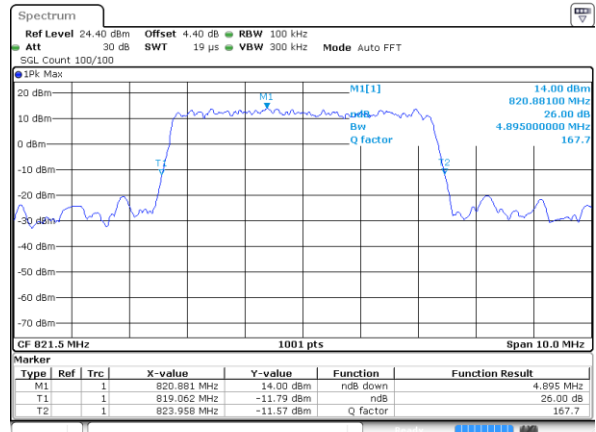
Date: 18 AUG 2018 13:39:11

Highest Channel / 5MHz / QPSK



Date: 18 AUG 2018 13:39:57

Highest Channel / 5MHz / 16QAM

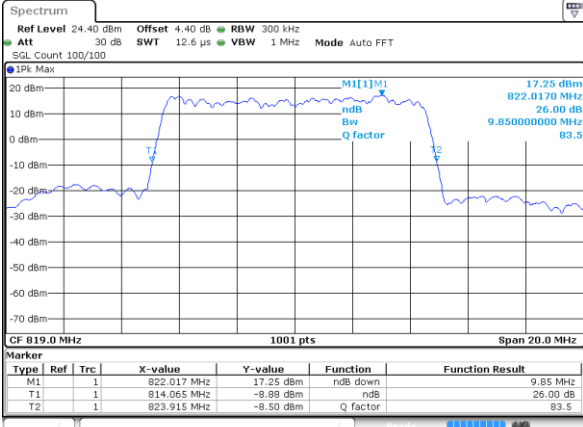


Date: 18 AUG 2018 13:40:15



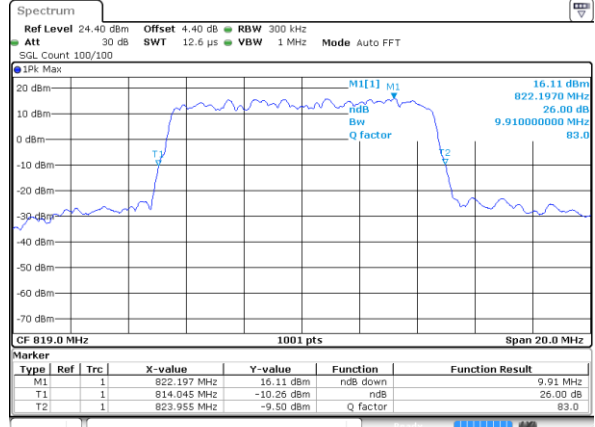
LTE Band 26

Middle Channel / 10MHz / QPSK



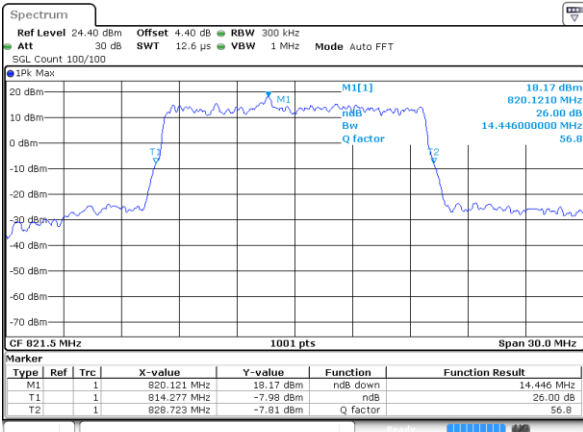
Date: 18 AUG 2018 13:41:04

Middle Channel / 10MHz / 16QAM



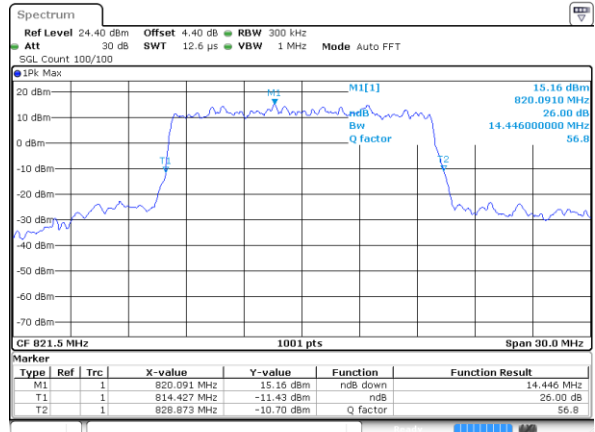
Date: 18 AUG 2018 13:41:25

Lowest Channel / 15MHz / QPSK



Date: 18 AUG 2018 13:42:23

Lowest Channel / 15MHz / 16QAM

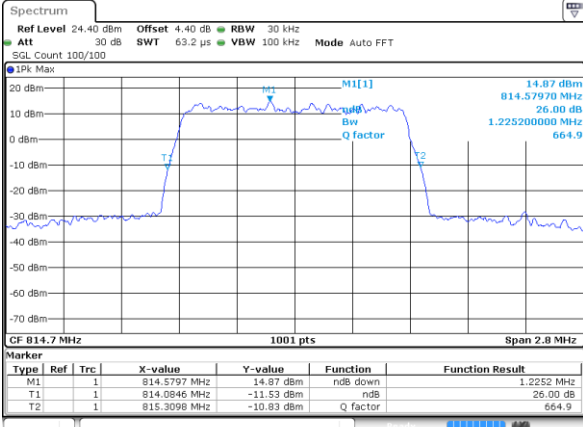


Date: 18 AUG 2018 13:42:43



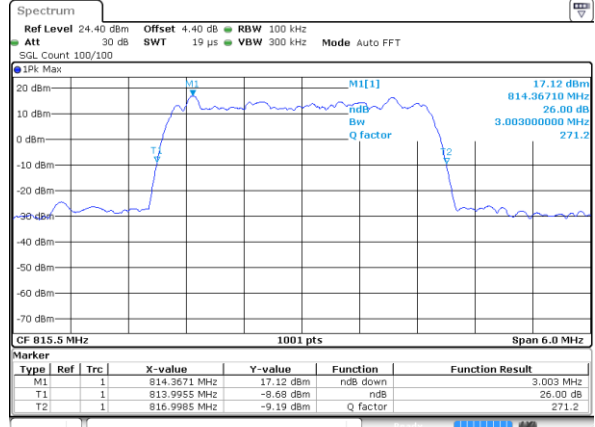
LTE Band 26

Lowest Channel / 1.4MHz / 64QAM



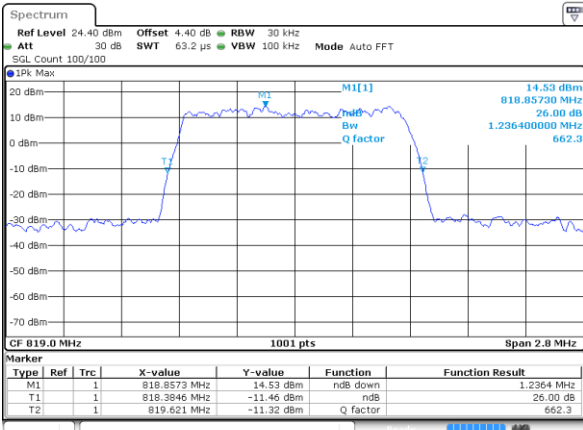
Date: 18 AUG 2018 13:28:08

Lowest Channel / 3MHz / 64QAM



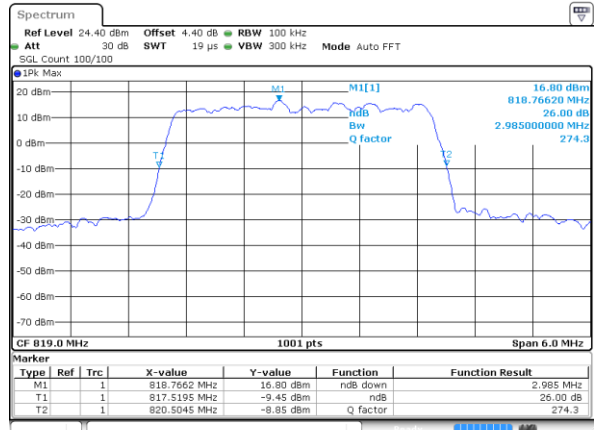
Date: 18 AUG 2018 13:35:11

Middle Channel / 1.4MHz / 64QAM



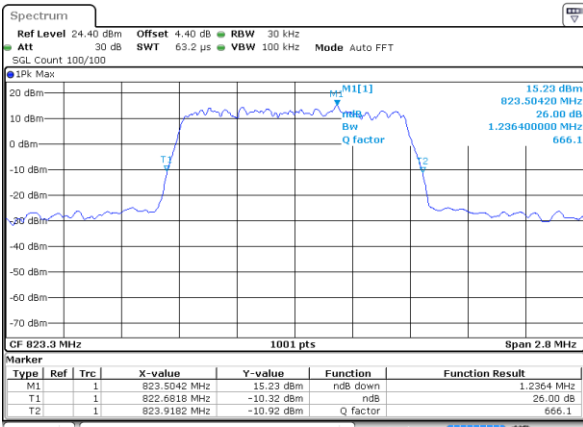
Date: 18 AUG 2018 13:29:06

Middle Channel / 3MHz / 64QAM



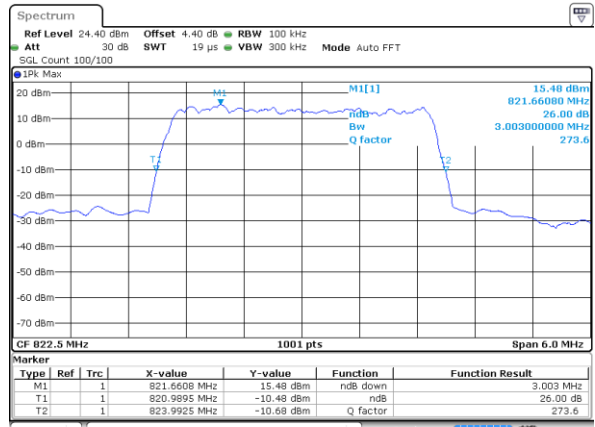
Date: 18 AUG 2018 13:36:08

Highest Channel / 1.4MHz / 64QAM



Date: 18 AUG 2018 13:30:06

Highest Channel / 3MHz / 64QAM

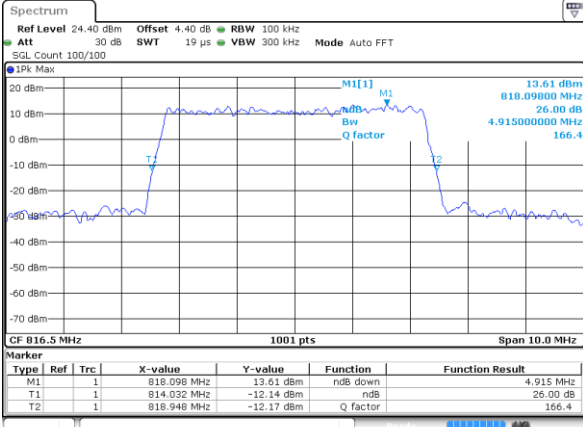


Date: 18 AUG 2018 13:37:24



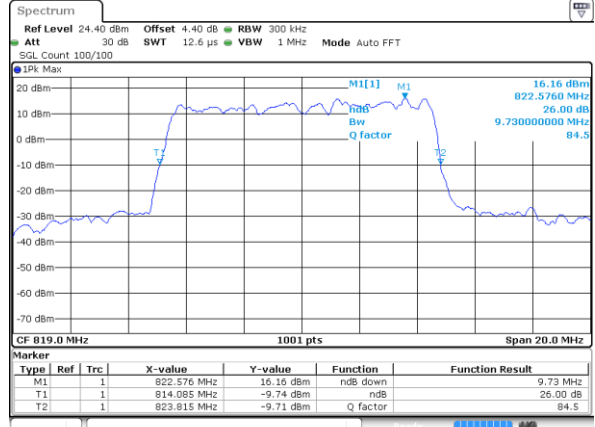
LTE Band 26

Lowest Channel / 5MHz / 64QAM



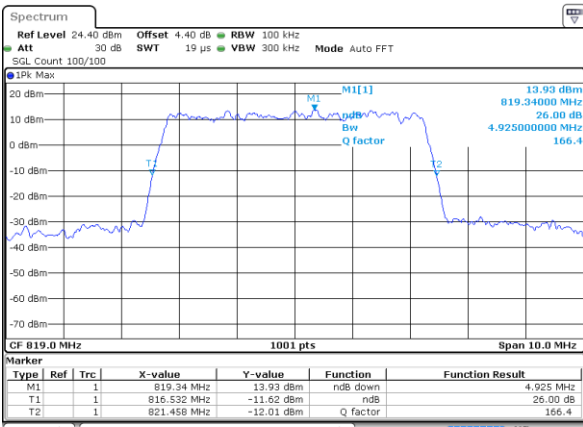
Date: 18 AUG 2018 13:38:32

Middle Channel / 10MHz / 64QAM



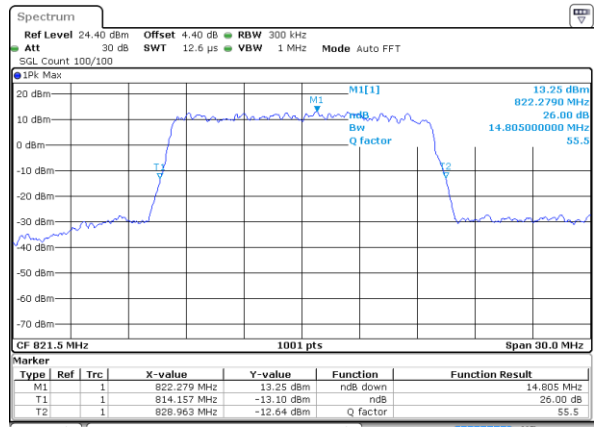
Date: 18 AUG 2018 13:41:45

Middle Channel / 5MHz / 64QAM



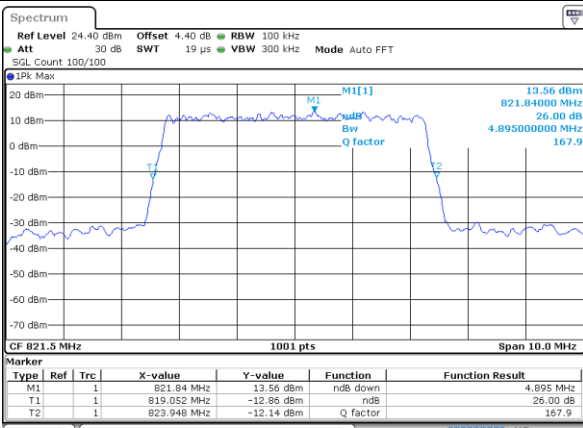
Date: 18 AUG 2018 13:39:31

Lowest Channel / 15MHz / 64QAM



Date: 18 AUG 2018 13:43:05

Highest Channel / 5MHz / 64QAM



Date: 18 AUG 2018 13:40:34



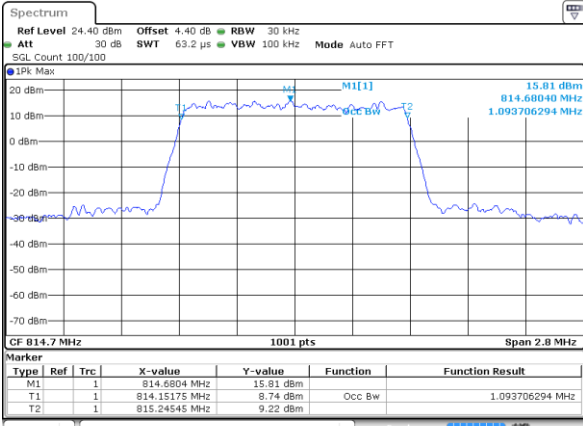
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.11	2.73	2.72	4.5	4.5	-	-	13.46	13.43	-	-
Middle CH	1.1	1.09	2.73	2.73	4.48	4.49	9.01	8.99	-	-	-	-
Highest CH	1.09	1.09	2.71	2.72	4.47	4.5	-	-	-	-	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM			
Lowest CH	1.09		2.72		4.5				13.4		-	-
Middle CH	1.09		2.74		4.49		9.07				-	-
Highest CH	1.09		2.7		4.51						-	-

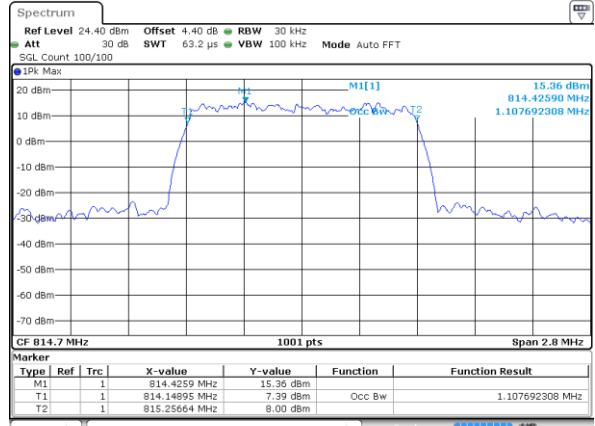


LTE Band 26

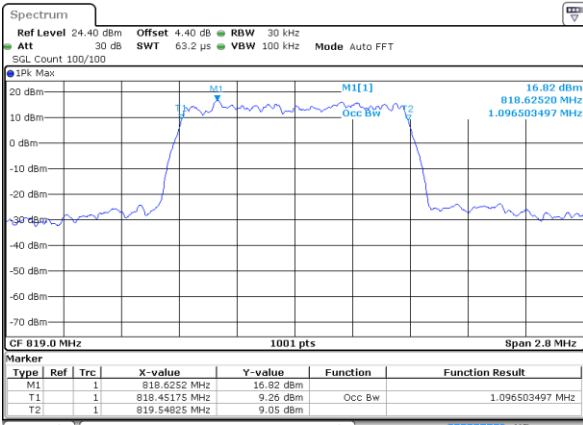
Lowest Channel / 1.4MHz / QPSK



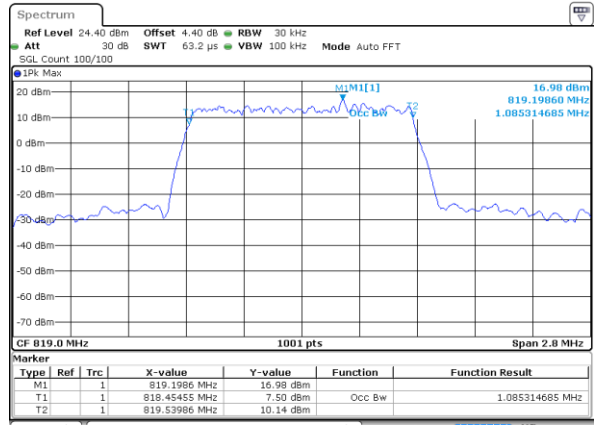
Lowest Channel / 1.4MHz / 16QAM



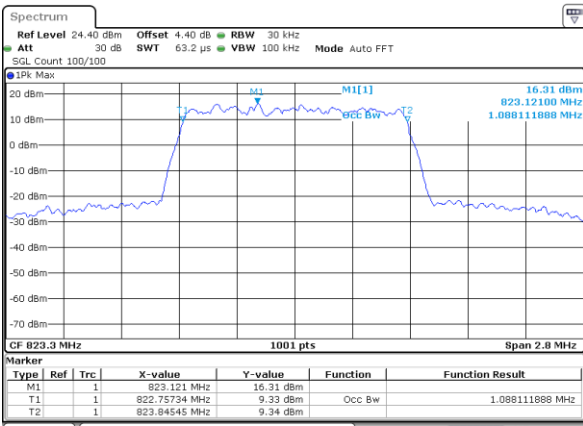
Middle Channel / 1.4MHz / QPSK



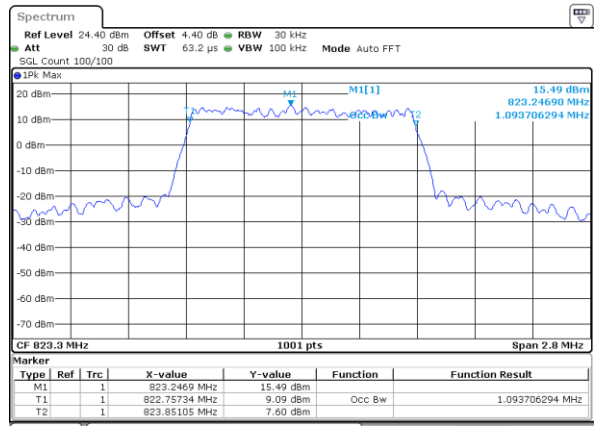
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



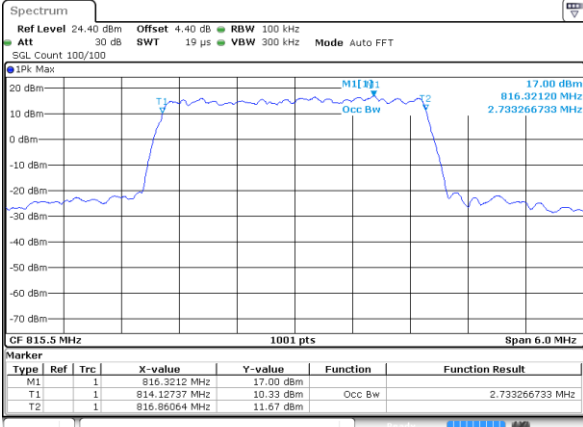
Highest Channel / 1.4MHz / 16QAM





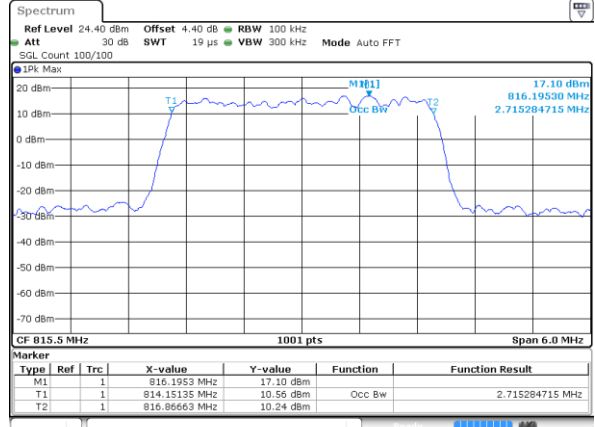
LTE Band 26

Lowest Channel / 3MHz / QPSK



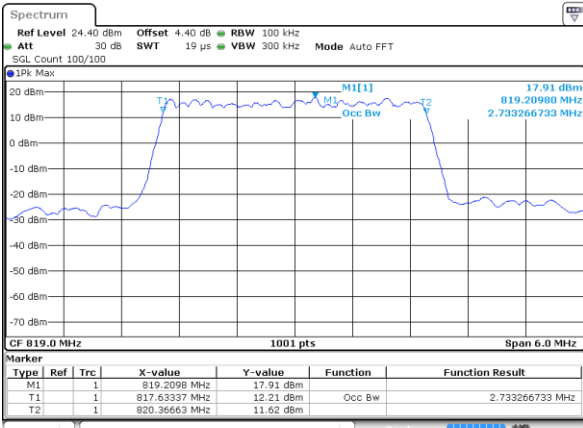
Date: 18 AUG 2018 13:34:25

Lowest Channel / 3MHz / 16QAM



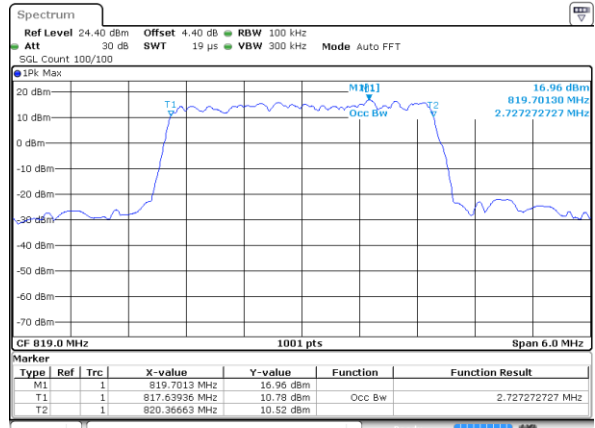
Date: 18 AUG 2018 13:34:44

Middle Channel / 3MHz / QPSK



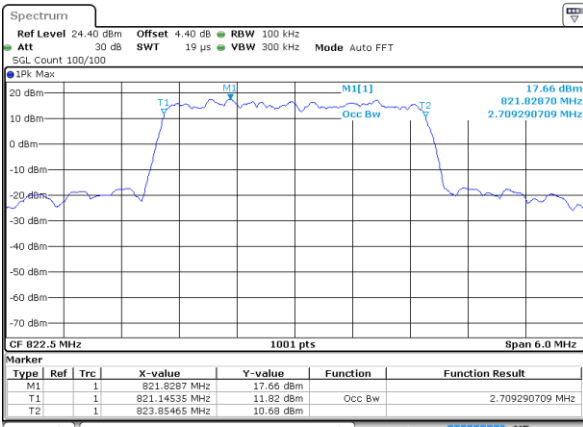
Date: 18 AUG 2018 13:35:22

Middle Channel / 3MHz / 16QAM



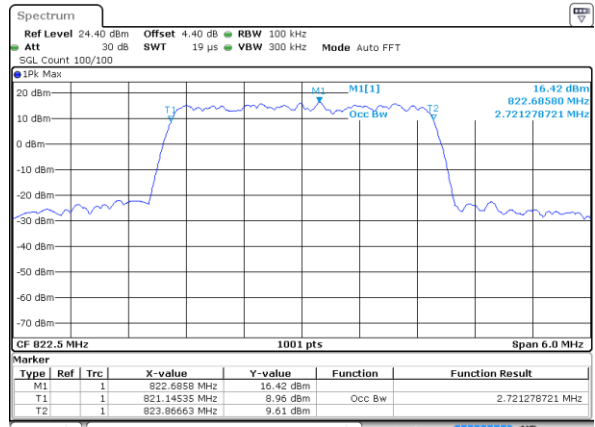
Date: 18 AUG 2018 13:35:41

Highest Channel / 3MHz / QPSK



Date: 18 AUG 2018 13:36:31

Highest Channel / 3MHz / 16QAM

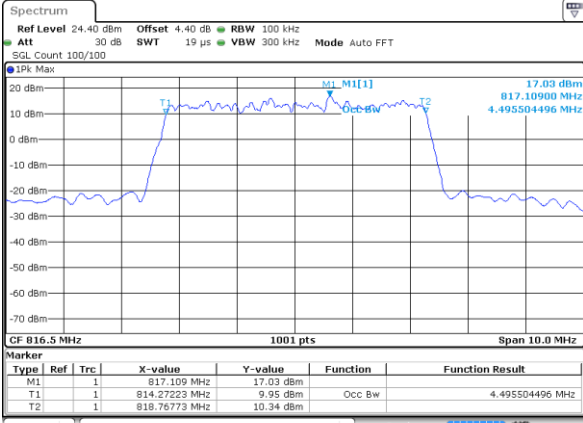


Date: 18 AUG 2018 13:36:54



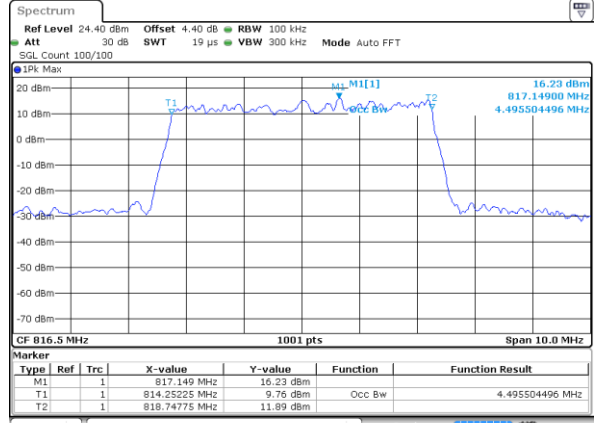
LTE Band 26

Lowest Channel / 5MHz / QPSK



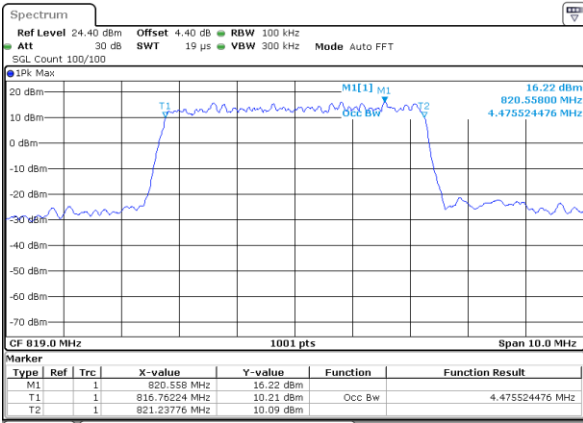
Date: 18 AUG 2018 13:37:45

Lowest Channel / 5MHz / 16QAM



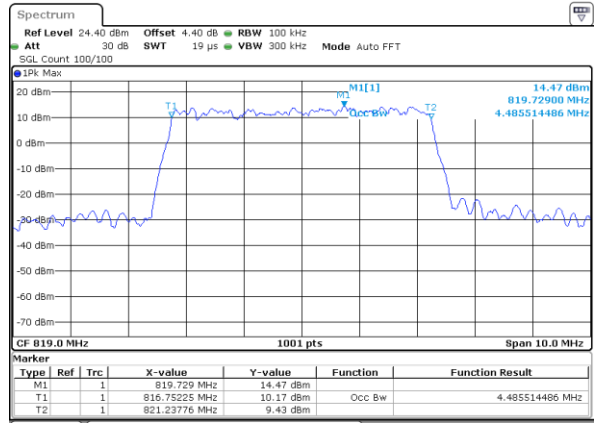
Date: 18 AUG 2018 13:38:04

Middle Channel / 5MHz / QPSK



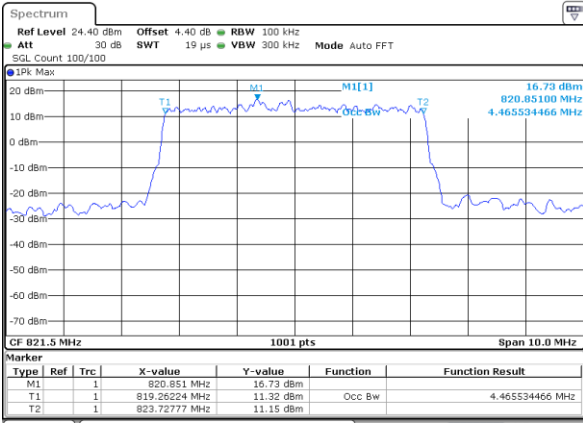
Date: 18 AUG 2018 13:38:44

Middle Channel / 5MHz / 16QAM



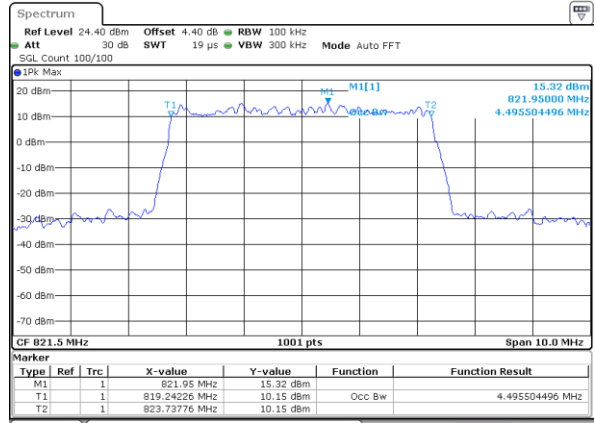
Date: 18 AUG 2018 13:39:03

Highest Channel / 5MHz / QPSK



Date: 18 AUG 2018 13:39:47

Highest Channel / 5MHz / 16QAM

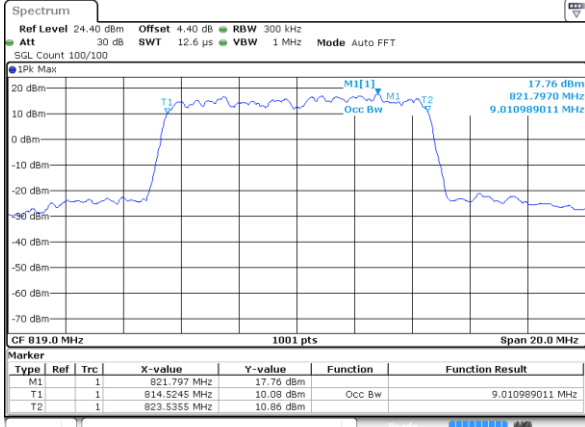


Date: 18 AUG 2018 13:40:07



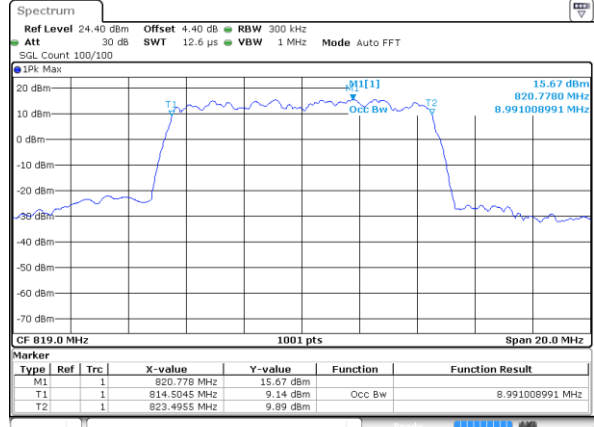
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 18 AUG 2018 13:40:56

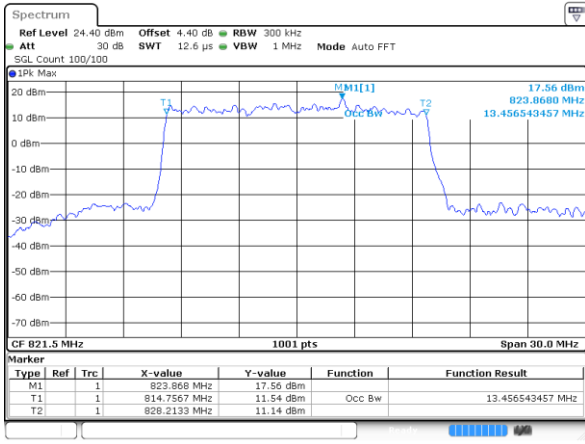
Middle Channel / 10MHz / 16QAM



Date: 18 AUG 2018 13:41:17

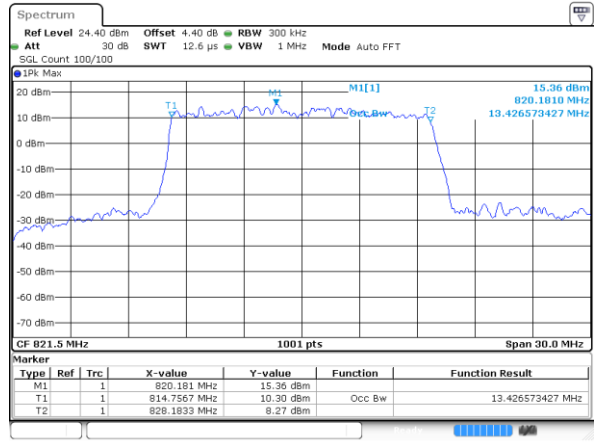
LTE Band 26

Lowest Channel / 15MHz / QPSK



Date: 18 AUG 2018 13:42:14

Lowest Channel / 15MHz / 16QAM

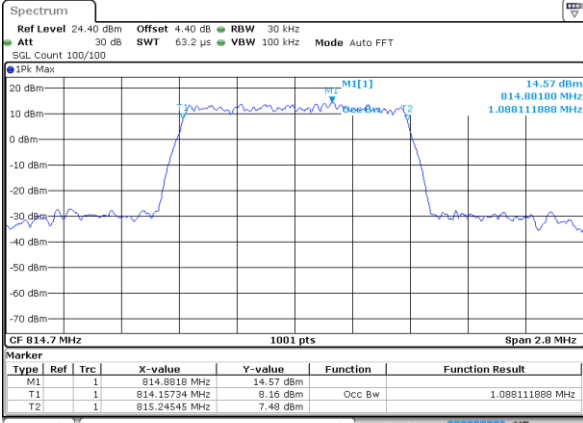


Date: 18 AUG 2018 13:42:34



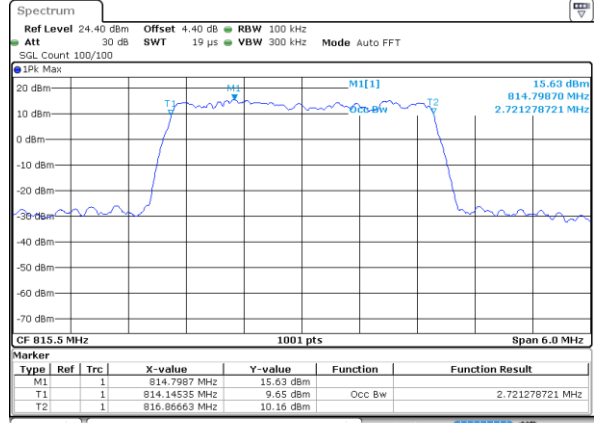
LTE Band 26

Lowest Channel / 1.4MHz / 64QAM



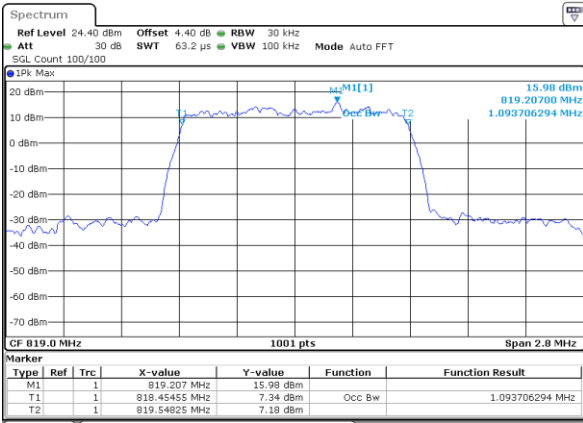
Date: 18 AUG 2018 13:27:59

Lowest Channel / 3MHz / 64QAM



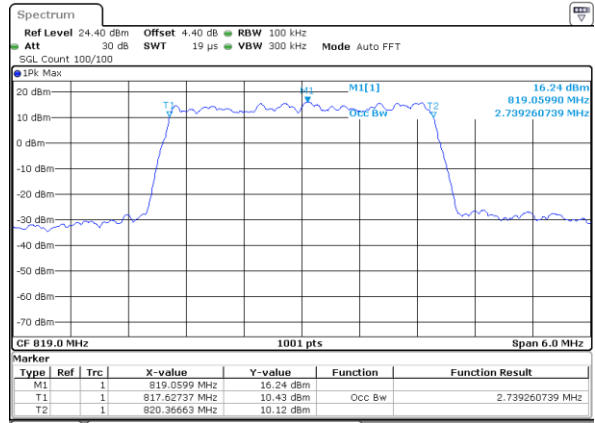
Date: 18 AUG 2018 13:35:02

Middle Channel / 1.4MHz / 64QAM



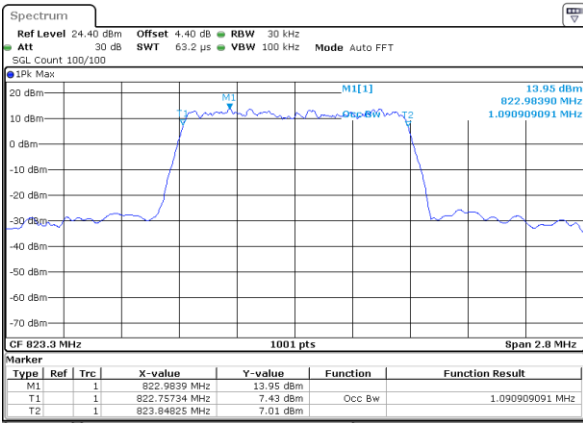
Date: 18 AUG 2018 13:28:58

Middle Channel / 3MHz / 64QAM



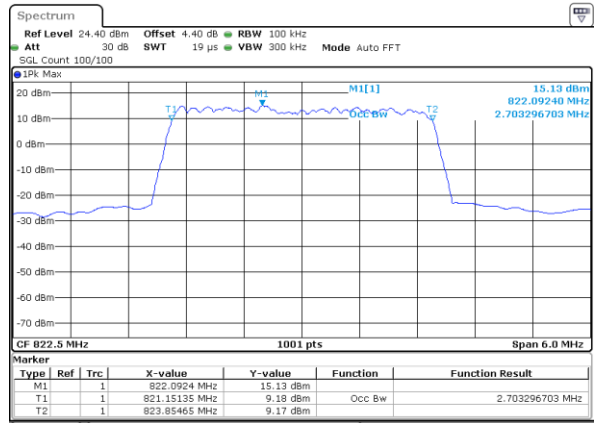
Date: 18 AUG 2018 13:36:00

Highest Channel / 1.4MHz / 64QAM



Date: 18 AUG 2018 13:30:16

Highest Channel / 3MHz / 64QAM

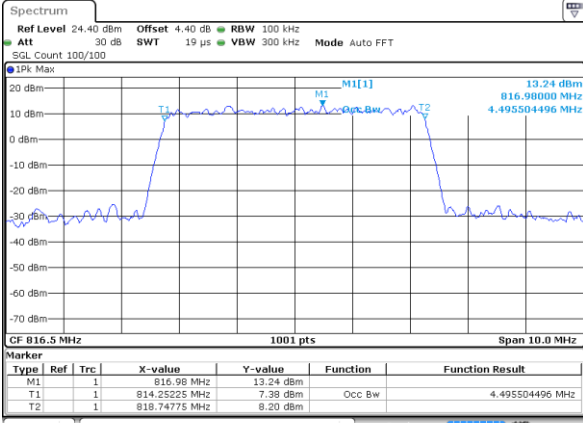


Date: 18 AUG 2018 13:37:15



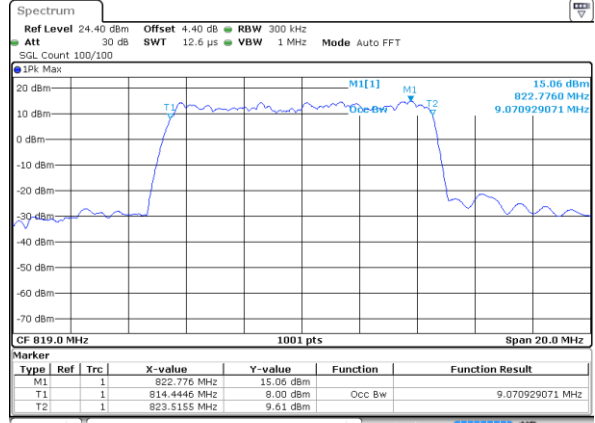
LTE Band 26

Lowest Channel / 5MHz / 64QAM



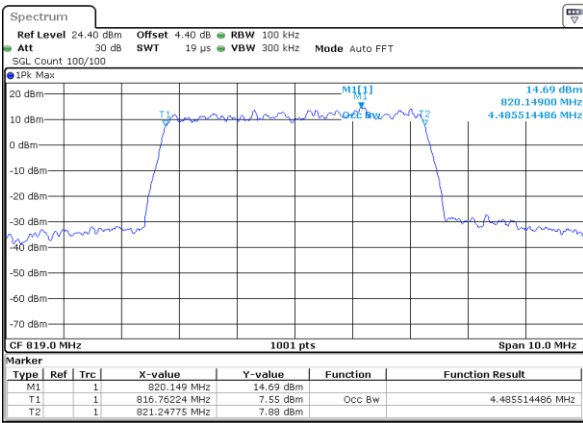
Date: 18 AUG 2018 13:38:24

Middle Channel / 10MHz / 64QAM



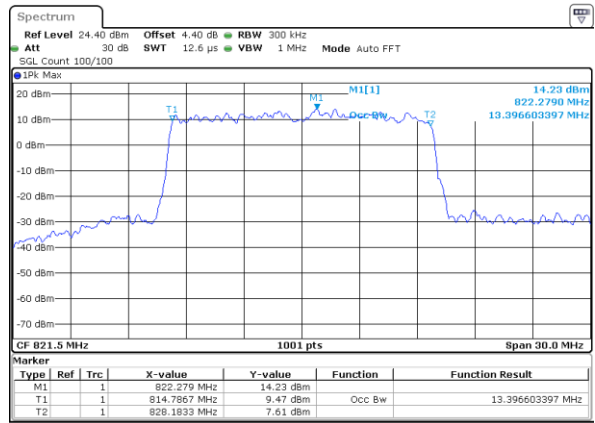
Date: 18 AUG 2018 13:41:36

Middle Channel / 5MHz / 64QAM



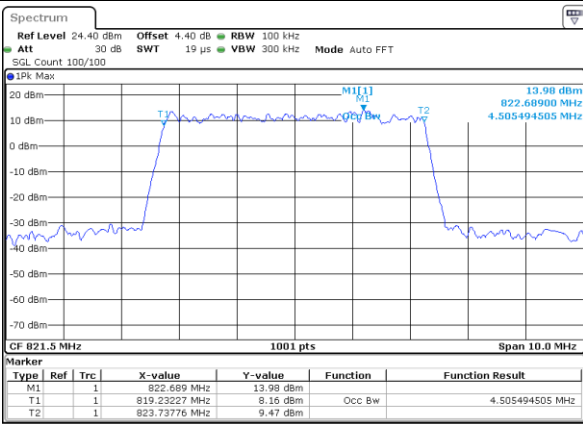
Date: 18 AUG 2018 13:39:22

Lowest Channel / 15MHz / 64QAM



Date: 18 AUG 2018 13:42:55

Highest Channel / 5MHz / 64QAM



Date: 18 AUG 2018 13:40:25

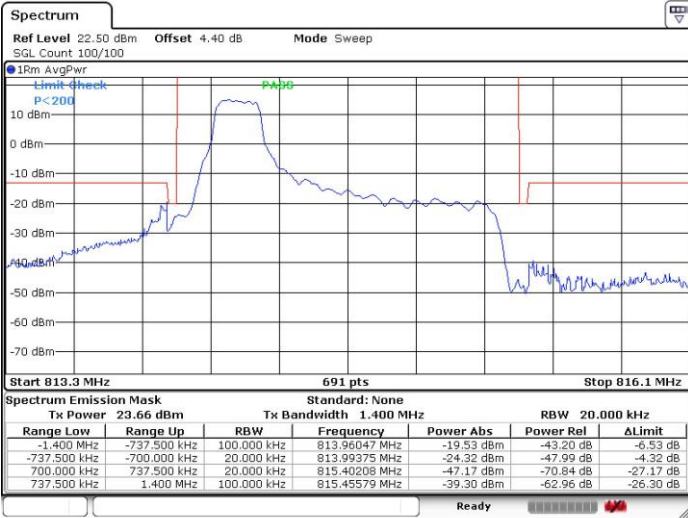


Conducted Band Edge

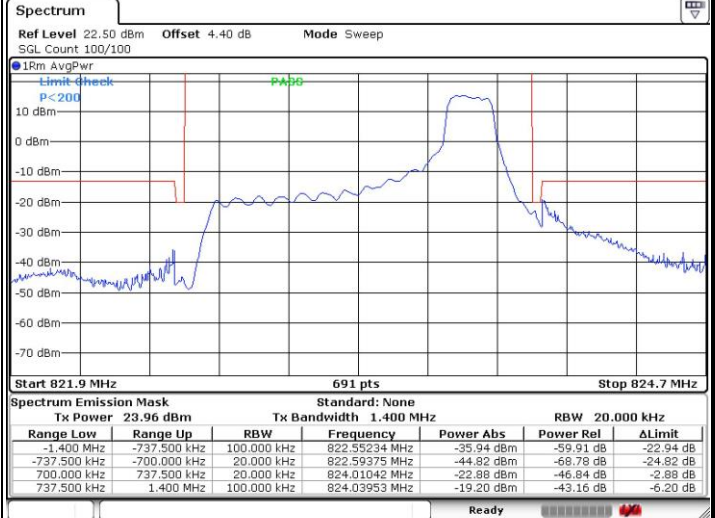
LTE Band 26 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1RB



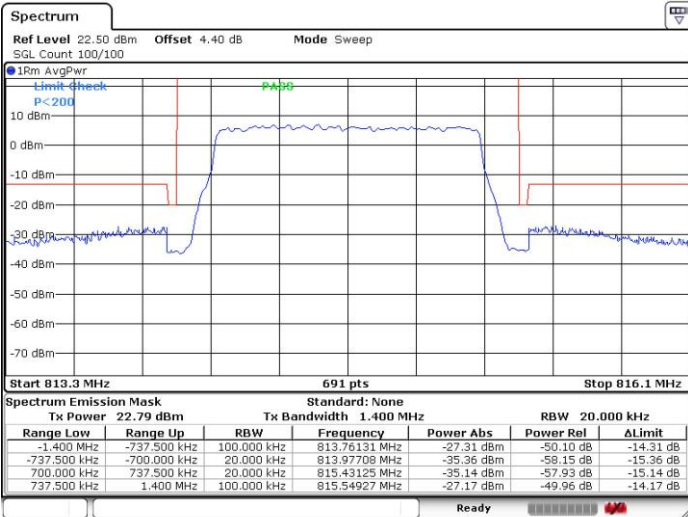
Date: 18 AUG 2018 14:38:11



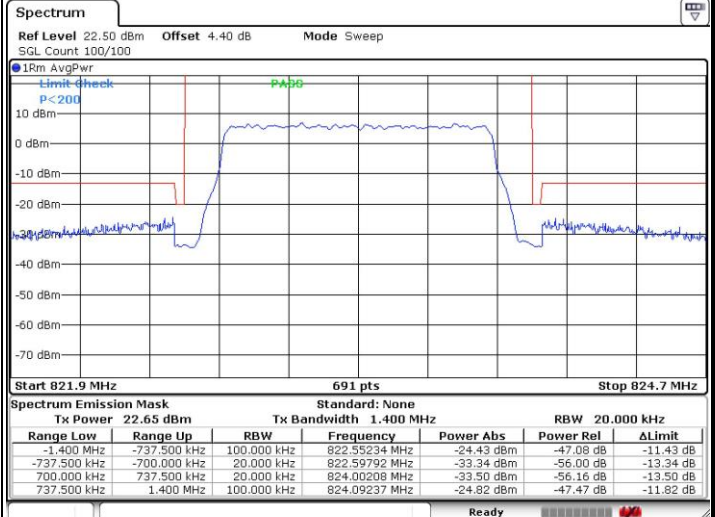
Date: 18 AUG 2018 14:16:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18 AUG 2018 19:13:55

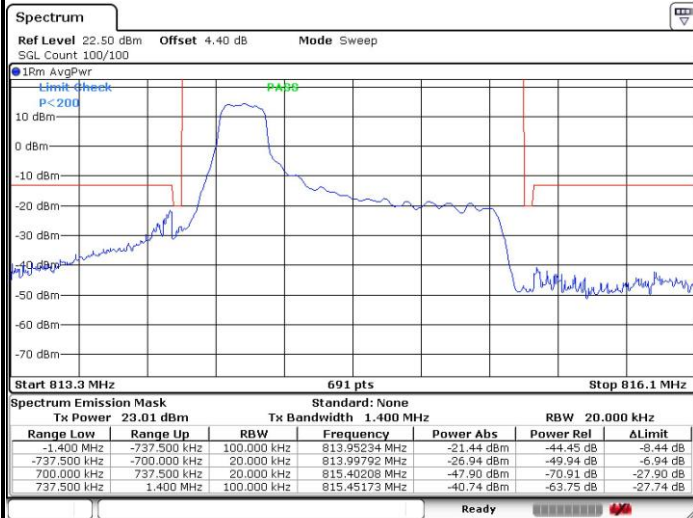


Date: 18 AUG 2018 14:36:12



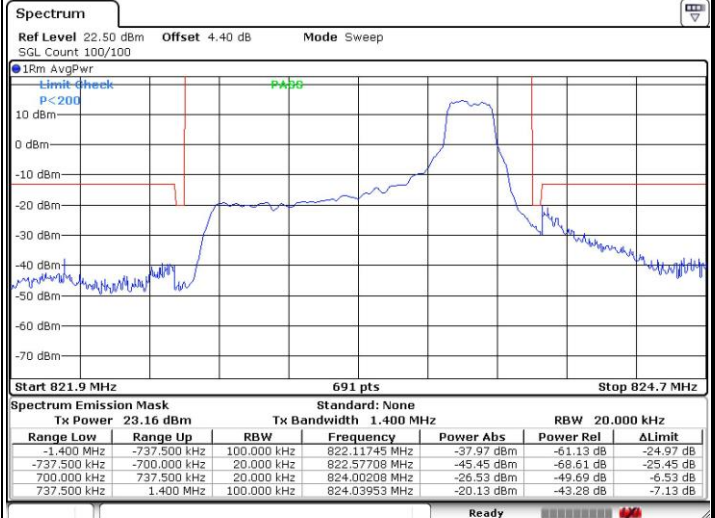
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



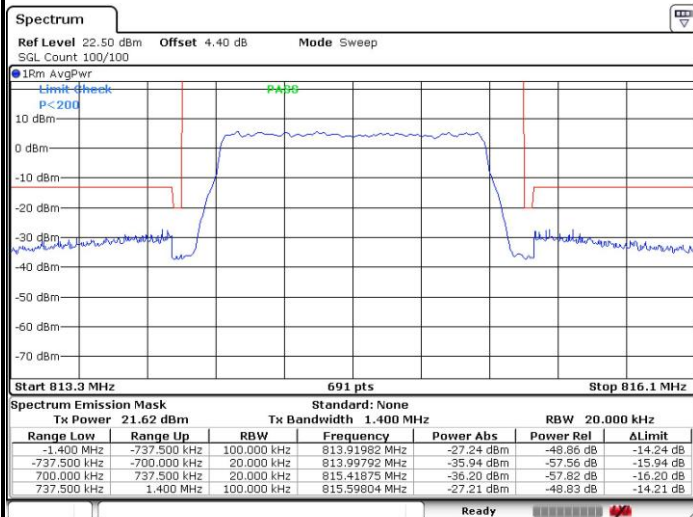
Date: 18 AUG 2018 14:38:41

Highest Band Edge / 1 RB



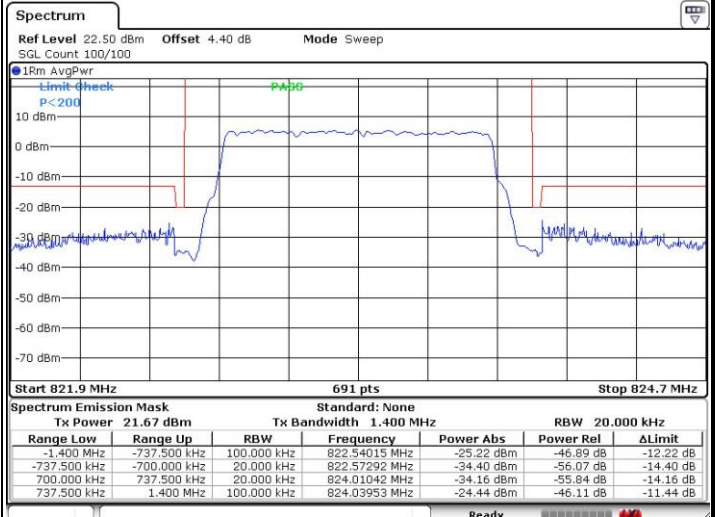
Date: 18 AUG 2018 14:16:37

Lowest Band Edge / Full RB



Date: 18 AUG 2018 19:14:14

Highest Band Edge / Full RB



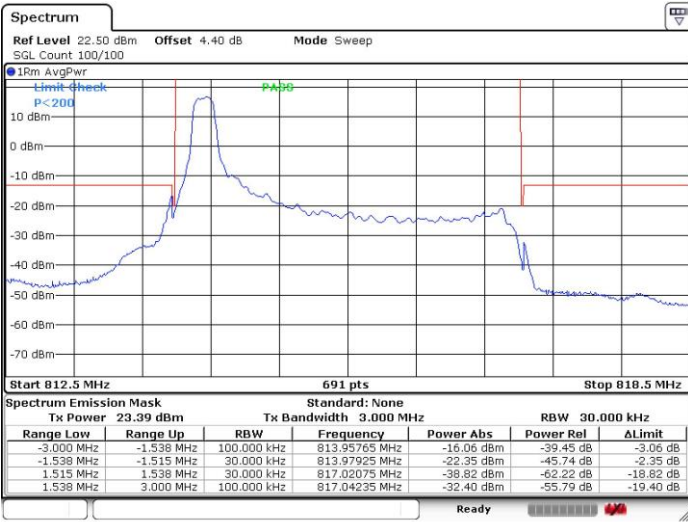
Date: 18 AUG 2018 14:35:37



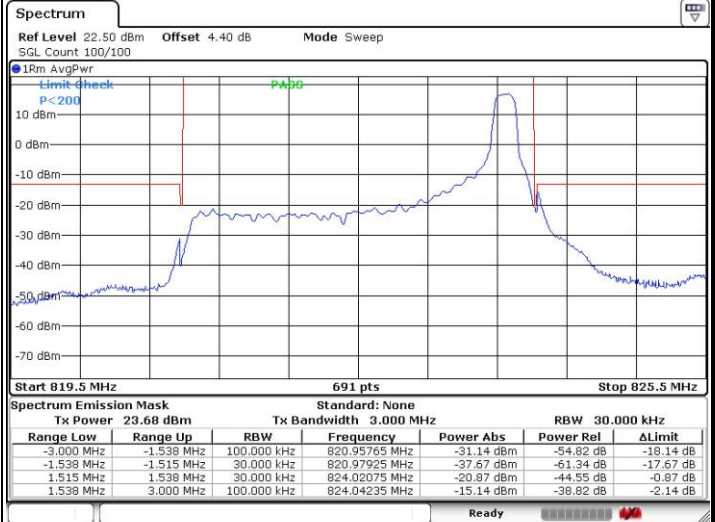
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



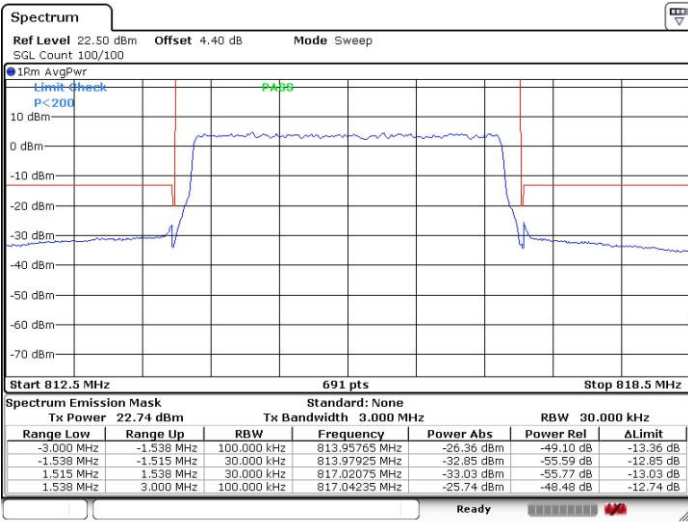
Date: 23 AUG 2018 16:54:14



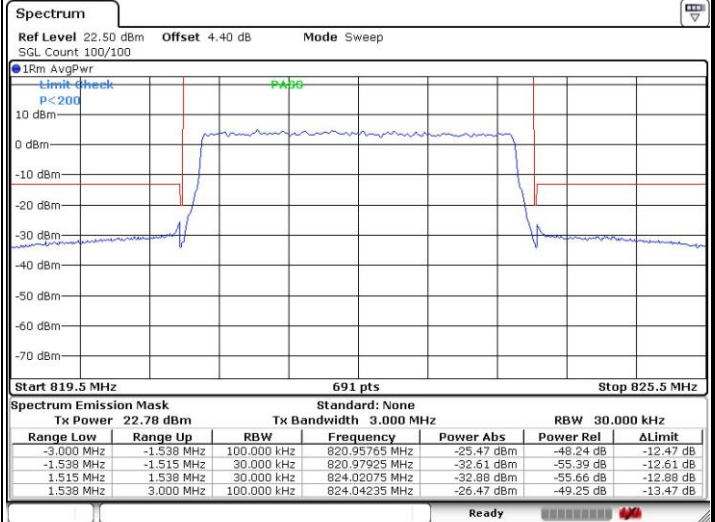
Date: 23 AUG 2018 16:59:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23 AUG 2018 16:53:50

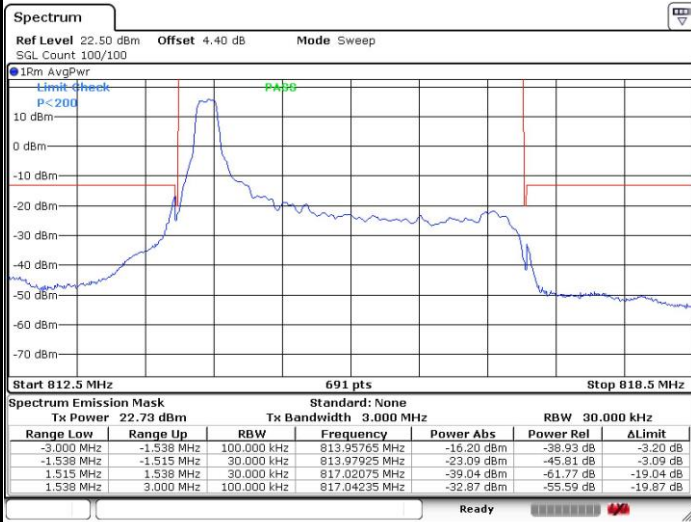


Date: 23 AUG 2018 16:59:50



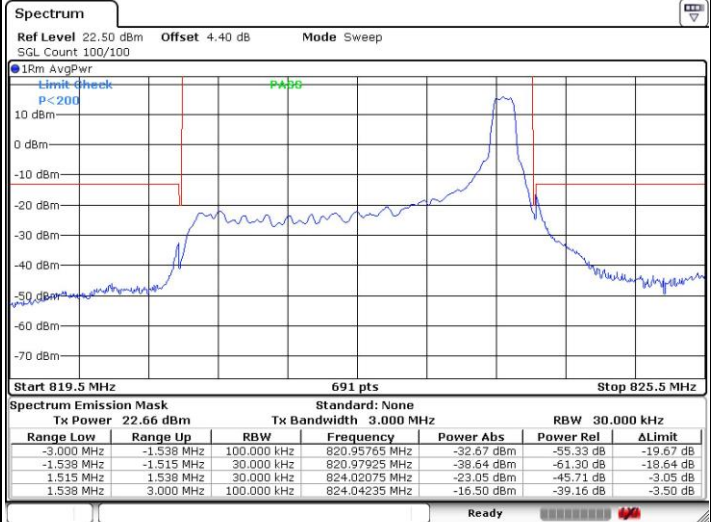
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



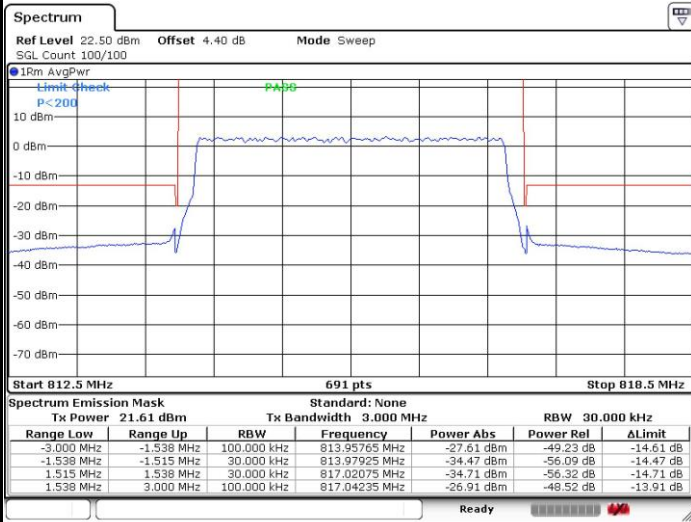
Date: 23 AUG 2018 16:54:41

Highest Band Edge / 1 RB



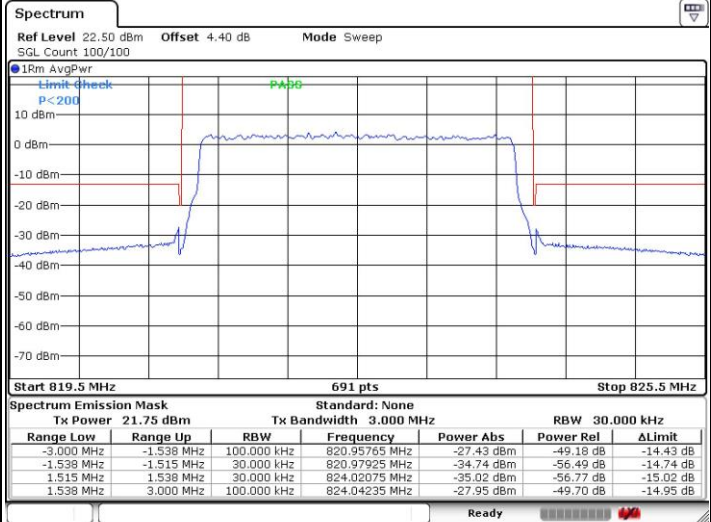
Date: 23 AUG 2018 16:57:12

Lowest Band Edge / Full RB



Date: 23 AUG 2018 16:53:25

Highest Band Edge / Full RB

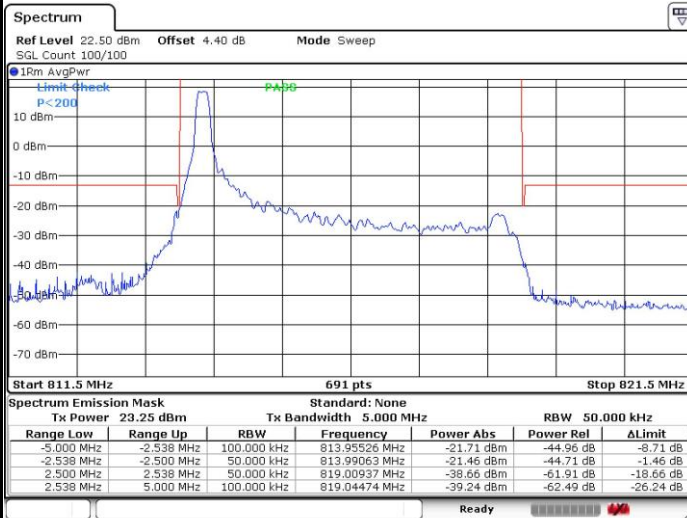


Date: 23 AUG 2018 17:00:33



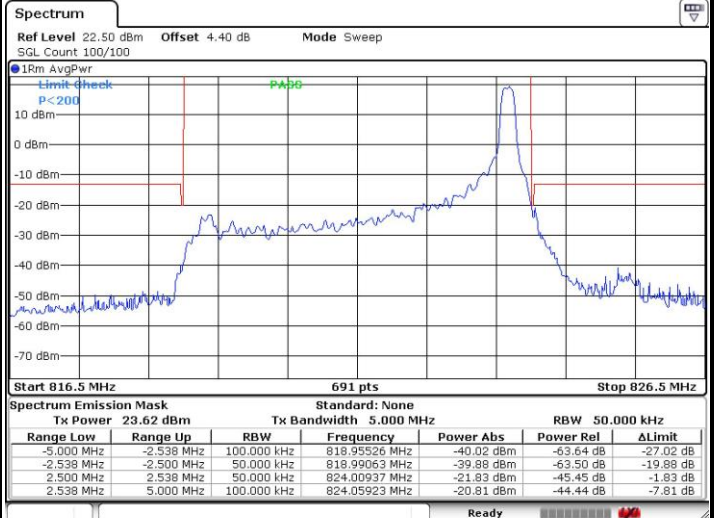
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



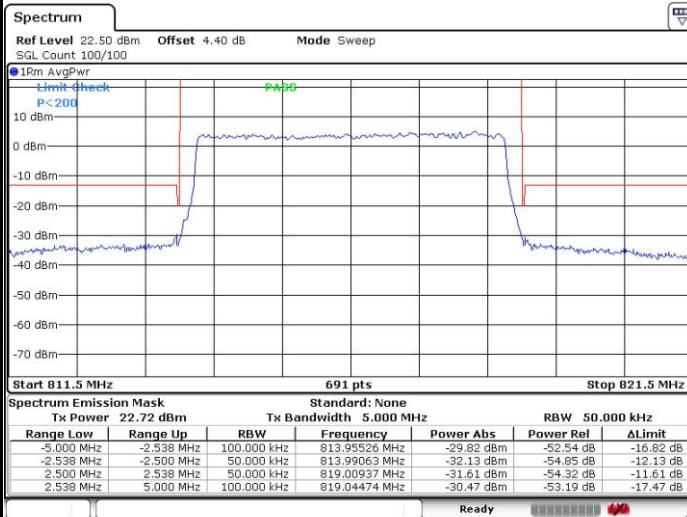
Date: 18 AUG 2018 15:04:57

Highest Band Edge / 1 RB



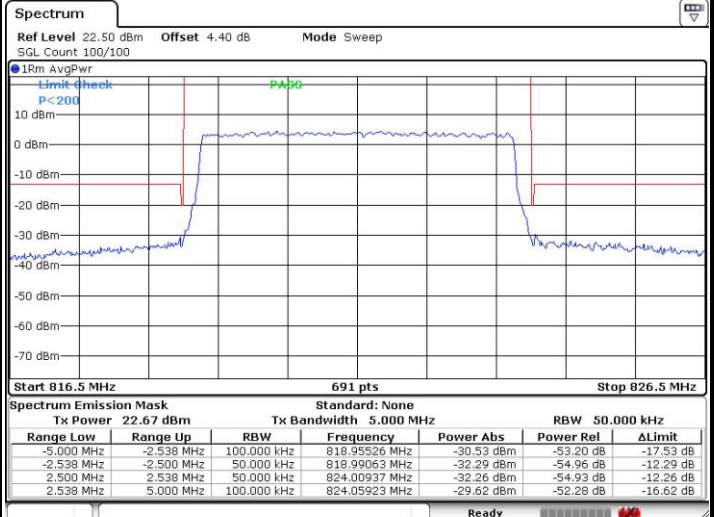
Date: 18 AUG 2018 15:13:07

Lowest Band Edge / Full RB



Date: 18 AUG 2018 15:09:17

Highest Band Edge / Full RB

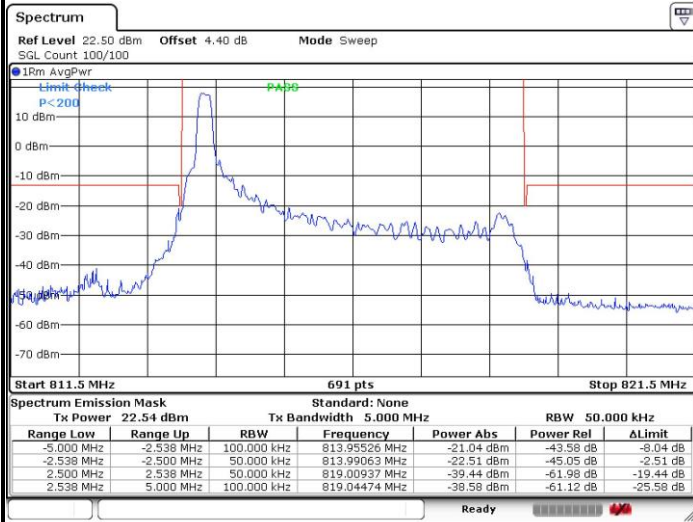


Date: 18 AUG 2018 15:11:07



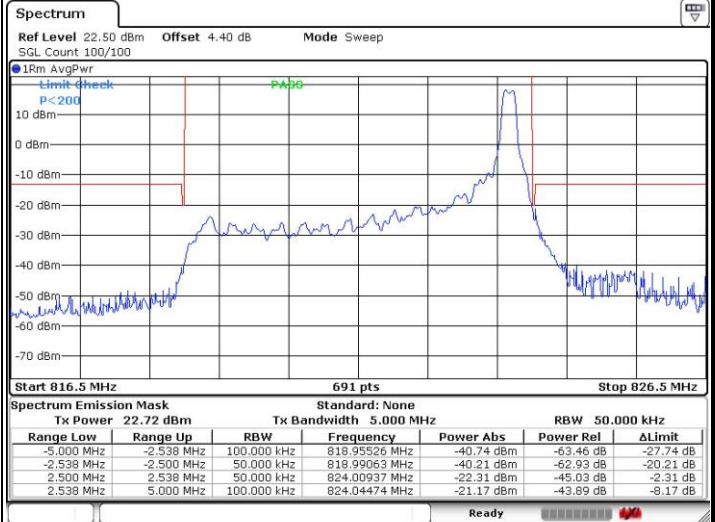
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



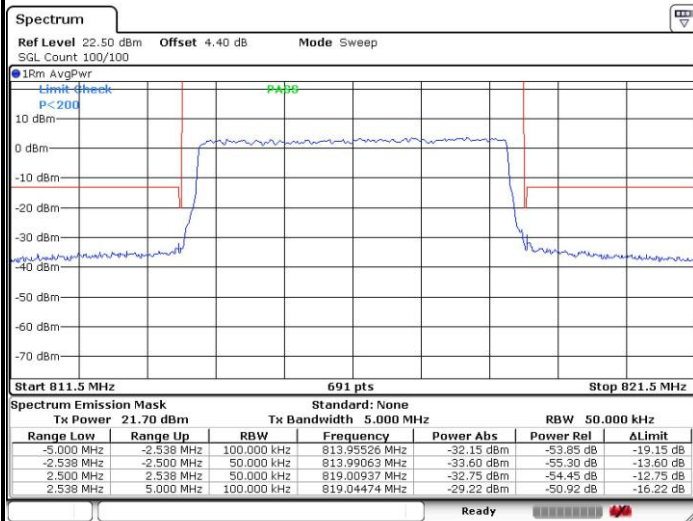
Date: 18 AUG 2018 15:08:01

Highest Band Edge / 1 RB



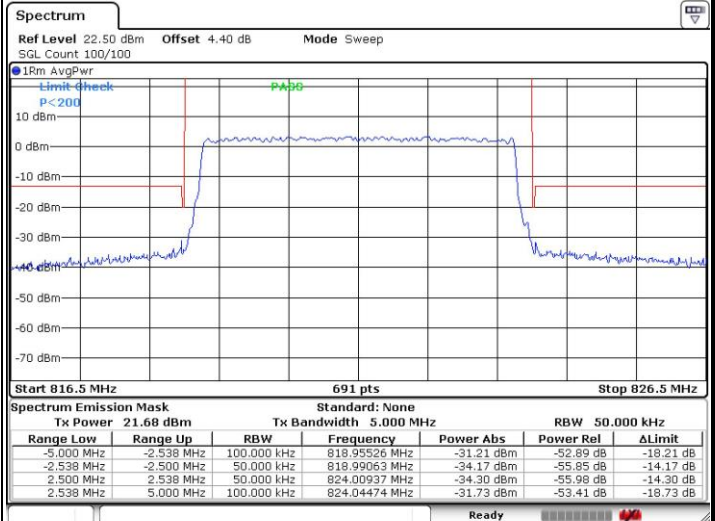
Date: 18 AUG 2018 15:12:51

Lowest Band Edge / Full RB



Date: 18 AUG 2018 15:09:00

Highest Band Edge / Full RB



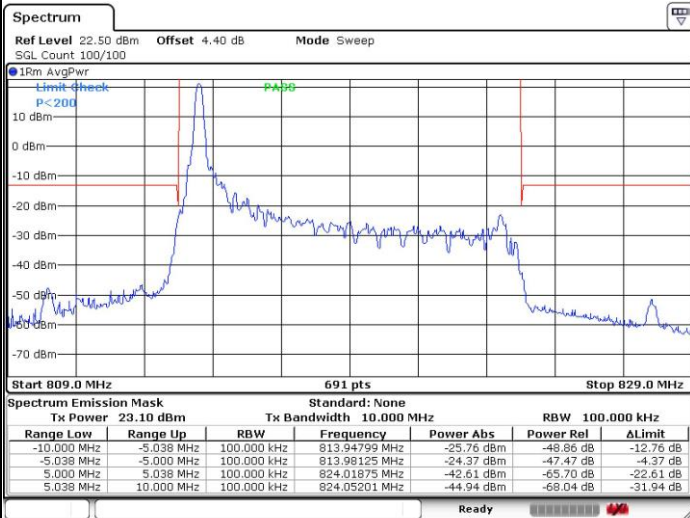
Date: 18 AUG 2018 15:11:36



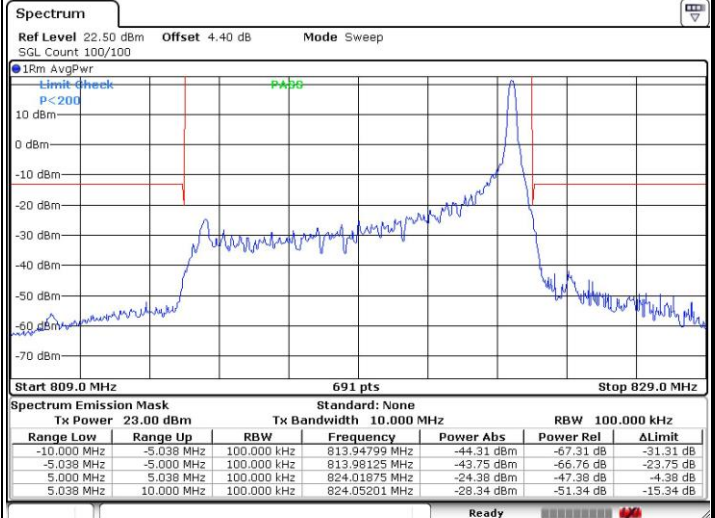
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

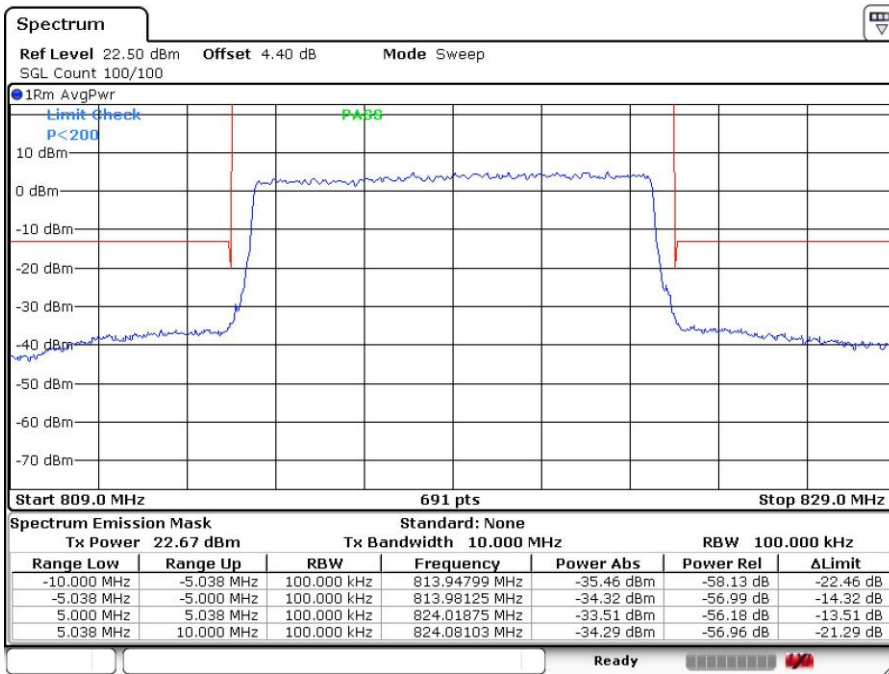


Date: 18.AUG.2018 19:16:27



Date: 18.AUG.2018 15:16:28

Band Edge / Full RB

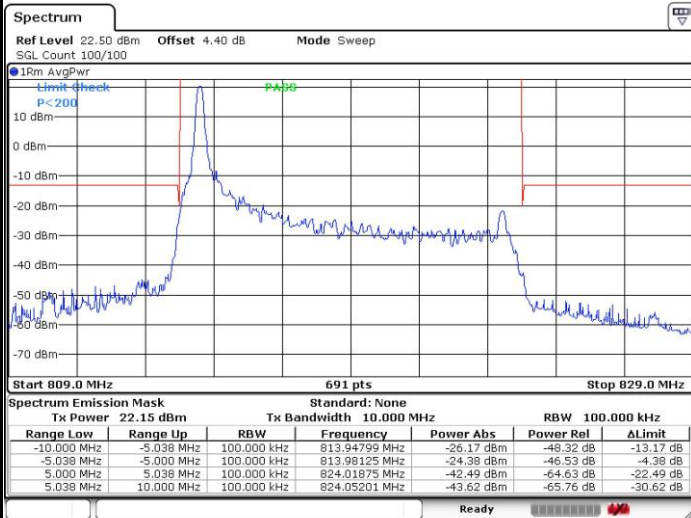


Date: 18.AUG.2018 15:16:45



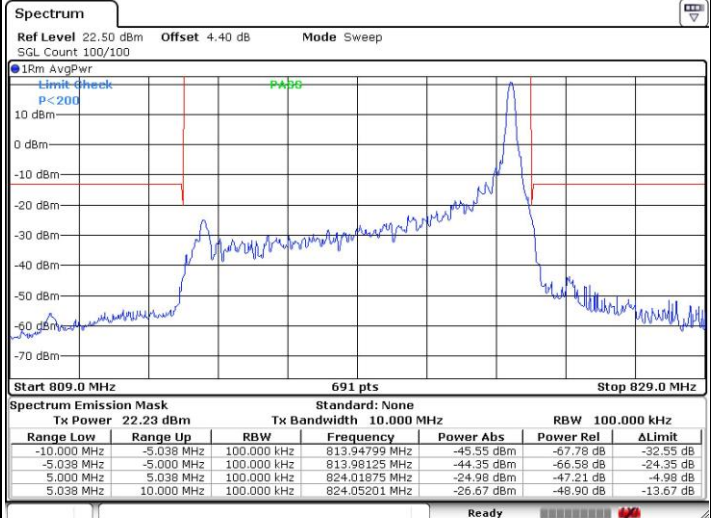
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



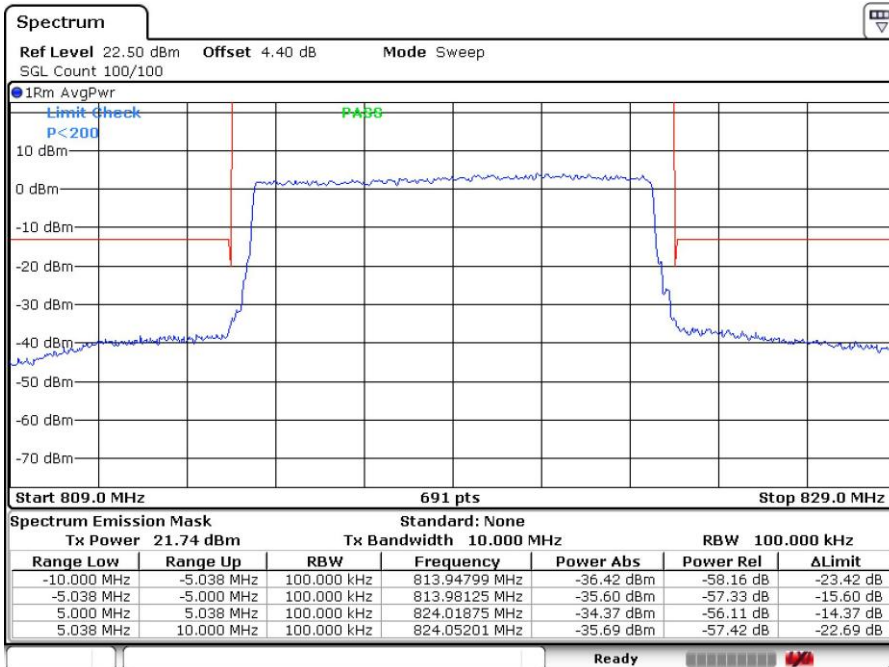
Date: 18.AUG.2018 15:15:16

Highest Band Edge / 1 RB



Date: 18.AUG.2018 15:16:13

Band Edge / Full RB



Date: 18.AUG.2018 15:17:06