



# FCC RF Test Report

APPLICANT : Smawave Technology Co. ,Ltd  
EQUIPMENT : 5G ODU\_NA  
BRAND NAME : smawave  
MODEL NAME : SRE620-b  
FCC ID : 2AU8HSRE620-BH  
STANDARD : 47 CFR Part 2, 96  
CLASSIFICATION : Citizens Band Category A and B Devices (CBD)  
EQUIPMENT TYPE : CPE-CBSD (Category B)  
TEST DATE(S) : Jun. 27, 2023 ~ Jun. 29, 2023

We, Sporton International Inc. (Kunshan), 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 Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia



Approved by: Jason Jia

**Sporton International Inc. (Kunshan)**

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



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### History of this test report

Report No.	Version	Description	Issued Date
FG342001-01A	01	Initial issue of report	Jul. 17, 2023



### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
3.3	§96.41	Maximum E.I.R.P	Pass	-
		Maximum Power Spectral Density	Pass	-
4.4	§2.1051 §96.41	Radiated Spurious Emission	Pass	Under limit 19.03 dB at 14460.00 MHz

**Remark:** This is a data reuse test report, please refer to chapter 1.4 for details.

<b>Conformity Assessment Condition:</b>
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"
<b>Disclaimer:</b>
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



# 1 General Description

## 1.1 Applicant

Smawave Technology Co. ,Ltd

3/F, Building 8, 1001 North Qinzhou Road, Xuhui District, Shanghai, China

## 1.2 Manufacturer

Smawave Technology Co. ,Ltd

3/F, Building 8, 1001 North Qinzhou Road, Xuhui District, Shanghai, China

## 1.3 Feature of Equipment Under Test

Product Feature	
Equipment	5G ODU_NA
Brand Name	smawave
Model Name	SRE620-b
FCC ID	2AU8HSRE620-BH
Tx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Rx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Bandwidth	5MHz / 10MHz / 15MHz / 20MHz
Maximum Conducted Power	<Ant. 0> LTE Band 48: 21.37 dBm LTE Band 48C_CA: 20.70 dBm
Antenna Gain	<Ant. 0> LTE Band 48: 16.32 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM
IMEI Code	Conducted: 863109050026090 Radiation: 863109050026090
HW Version	V1.0
SW Version	Codium_FW_5G_1.0.8



### 1.4 Re-use of Measured Data

#### 1.4.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: SRE620-b, FCC ID: 2AU8HSRE620-BH) is electrically identical to the reference device (Model: SRE620-b, FCC ID: 2AU8HSRE620-B) for the portions of the circuitry corresponding to the data being re-used. Based on their similarity, the FCC Part 96 for LTE B48 (equipment class: CBD) reuse the original model's result and do spot-check, following the FCC KDB 484596 D01 Referencing Test Data v01.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID: 2AU8HSRE620-BH.

#### 1.4.2 Model Difference Information

The main difference between FCC ID: 2AU8HSRE620-B and FCC ID: 2AU8HSRE620-BH is as below:

- Remove LTE B41, 5G NR n41.
- Change to high gain antenna for LTE B48 & 5G NR n48;

Other differences and all the details of similarity and difference can be found in the confidential documents (SRE620-b\_Operational Description of Product Equality Declaration).

#### 1.4.3 Reference detail Section:

Rule Part	Equipment Class	Frequency Band (MHz)	Reference FCC ID (Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)	Report Title/Section
96	CBD (LTE)	LTE B48 ULCA 48C (Part96)	2AU8HSRE620-B	Original Grant	FG342001A	2AU8HSRE620-BH	All sections applicable (Except for Conducted Power&PSD of B48, EIRP&RSE of B48/48C)



### 1.4.4 Spot Check Verification Data Section

Conducted power test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

All test procedures follow the related section of parent report.

Summary for power spot check for each rule entry and technology is listed as below:

Test Item	Mode	2AU8HSRE620-B Parent Worst mode Test Result	2AU8HSRE620-BH Variant Check Test Result	Difference (dB)
Conducted Power (dBm)	LTE Band 48	22.28	21.37	0.91
	LTE Band 48C	20.70	20.14	0.56

**Conclusion:**

Conducted power test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result, the test data from the original model is representative for the variant model. The power level spot check is shown within expected level compliant to limit line.

We confirm that the test data reuse policy of FCC KDB 484596 D01 Referencing Test Data v01 has been followed and the test data as referenced from the parent model report represents compliance with new FCC ID.



### 1.5 Maximum EIRP

LTE Band 48		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
5	3552.5~3697.5	5.7148	5.2481
10	3555.0~3695.0	5.7677	4.9774
15	3557.5~3692.5	5.7943	5.1286
20	3560.0~3690.0	5.8749	4.8306
LTE Band 48 CA		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
5MHz+20MHz		4.9204	3.9355
10MHz+20MHz		5.0003	3.9811
15MHz+20MHz		4.9888	3.9719
20MHz+5MHz		4.8753	3.9446
20MHz+10MHz		4.9545	3.9719
20MHz+15MHz		5.0234	3.9628
20MHz+20MHz		5.0350	3.9994

Note: All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.

### 1.6 Testing Site

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

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





### 1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24al

### 1.8 Applied Standards

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

- ♦ ANSI C63.26-2015
- ♦ 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 940660 D01 Part 96 CBRS v03
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

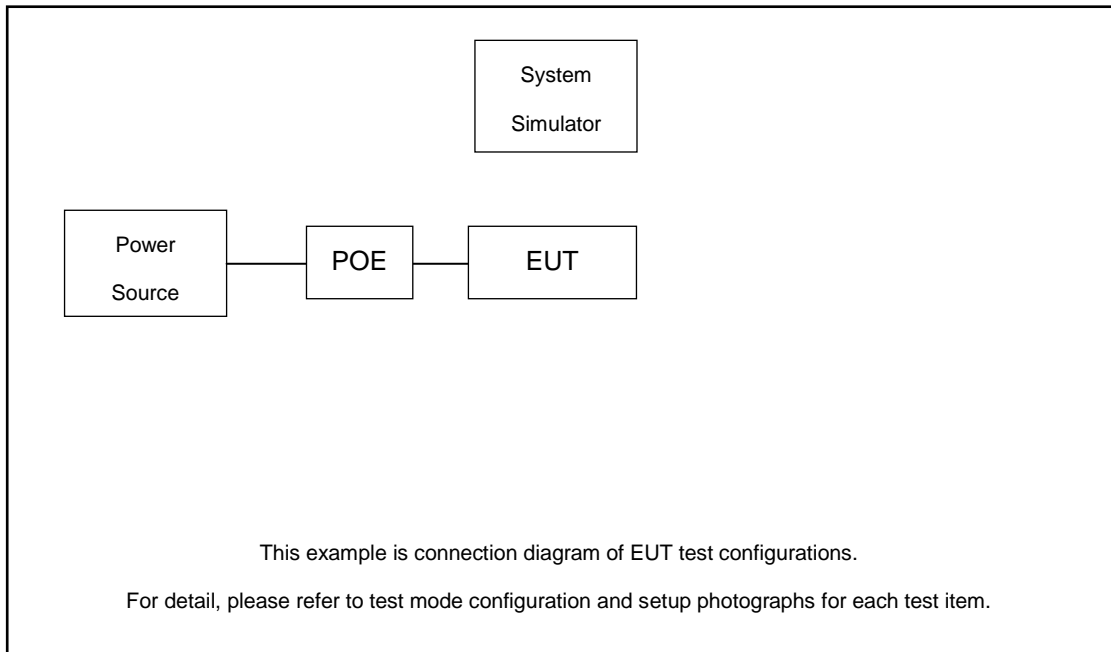
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel			
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power & E.I.R.P	48	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v	
Power Spectral Density	48	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v	
Radiated Spurious Emission	48	Worst Case															v	
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																	

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
E.I.R.P	48C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	48C_CA	Worst Case																		v	
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																				

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	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 between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

*Offset = RF cable loss.*

Following shows an offset computation example with cable loss 8.42 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 8.42 \text{ (dB)} \end{aligned}$$



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

LTE Band 48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	55340	55990	56640
	Frequency	3560.0	3625.0	3690.0
15	Channel	55315	55990	56665
	Frequency	3557.5	3625.0	3692.5
10	Channel	55290	55990	56690
	Frequency	3555.0	3625.0	3695.0
5	Channel	55265	55990	56715
	Frequency	3552.5	3625.0	3697.5

LTE Band 48C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest	
5 + 20	PCC	Channel	55273	55898	56523
		Frequency	3553.3	3615.8	3678.3
	SCC	Channel	55390	56015	56640
		Frequency	3565	3627.5	3690
20 + 5	PCC	Channel	55340	55965	56590
		Frequency	3560	3622.5	3685
	SCC	Channel	55457	56082	56707
		Frequency	3571.7	3634.2	3696.7
10 + 20	PCC	Channel	55295	55896	56496
		Frequency	3555.5	3615.6	3675.6
	SCC	Channel	55439	56040	56640
		Frequency	3569.9	3630	3690
20 + 10	PCC	Channel	55340	55941	56541
		Frequency	3560	3620.1	3680.1
	SCC	Channel	55484	56085	56685
		Frequency	3574.4	3634.5	3694.5
15 + 20	PCC	Channel	55318	55893	56469
		Frequency	3557.8	3615.3	3672.9
	SCC	Channel	55489	56064	56640
		Frequency	3574.9	3632.4	3690



20 + 15	PCC	Channel	55340	55916	56491
		Frequency	3560	3617.6	3675.1
	SCC	Channel	55511	56087	56662
		Frequency	3577.1	3634.7	3692.2
20 +20	PCC	Channel	55340	55891	56442
		Frequency	3560	3615.1	3670.2
	SCC	Channel	55538	56089	56640
		Frequency	3579.8	3634.9	3690

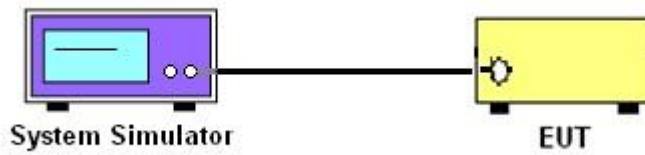
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

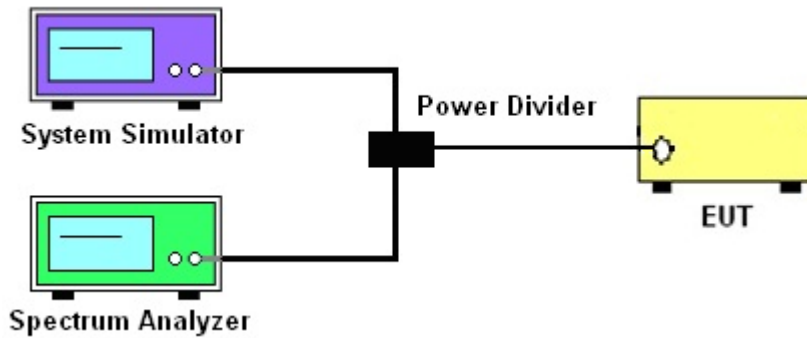
See list of measuring instruments of this test report.

##### 3.1.1 Test Setup

##### 3.1.2 Conducted Output Power



##### 3.1.3 PSD



##### 3.1.4 Test Result of Conducted Test

Please refer to Appendix A.



## **3.2 Conducted Output Power**

### **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 force the EUT transmitting at maximum output 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 the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

### 3.3 EIRP and PSD

#### 3.3.1 Description of the EIRP Measurement

EIRP and PSD limits for CBRS equipment as below table:

Device		Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
<input type="checkbox"/>	End User Device	23	n/a
<input type="checkbox"/>	Category A CBSD	30	20
<input checked="" type="checkbox"/>	Category B CBSD	47	37

**Remark:**

1. The worst case EIRP shown in this section is found with LTE operating only using 1RB. As such, the EIRP/10MHz and full channel EIRP values will be identical since 1RB is fully contained within all available channel bandwidths for LTE Band 48 (i.e. 5, 10, 15, 20MHz)
2. Maximum PSD values are radiated. Measurements can be done conducted and add antenna gain back in.

#### 3.3.2 Test Procedures for EIRP

1. Establishing a communications link with the call box (Base station) to measure the Maximum conducted power, the parameters were set to force the EUT transmitting at maximum output power level. Use the average power measurement function to measure total channel power of each channel bandwidth (per ANSI C63.26-2015 Section 5.2.1)
2. Determining ERP and/or EIRP from conducted RF output power measurements (Per ANSI C63.26-2015 Section 5.2.5.5)  
$$EIRP = P_T + G_T - L_C, ERP = EIRP - 2.15, \text{ where}$$

$P_T$  = 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





### 3.3.3 Test Procedures for EIRP PSD

1. Set instrument center frequency to OBW center frequency.
2. Set span to at least 2 times the OBW.
3. Set the RBW to the specified reference bandwidth (often 1 MHz).
4. Set VBW  $\geq 3 \times$  RBW.
5. Detector = RMS (power averaging).
6. Ensure that the number of measurement points in the sweep  $\geq 2 \times$  span/RBW.
7. Sweep time = auto couple.
8. Employ trace averaging (RMS) mode over a minimum of 100 traces.
9. Use the peak marker function to determine the maximum amplitude level within the reference bandwidth (PSD).
10. Determine the EIRP by adding the effective antenna gain to the adjusted power level.
11. Add 10 log (1/duty cycle) to the measured power level to compute the average power during continuous transmission.

The testing follows ANSI C63.26-2015 Section 5.2.5.5

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ , 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

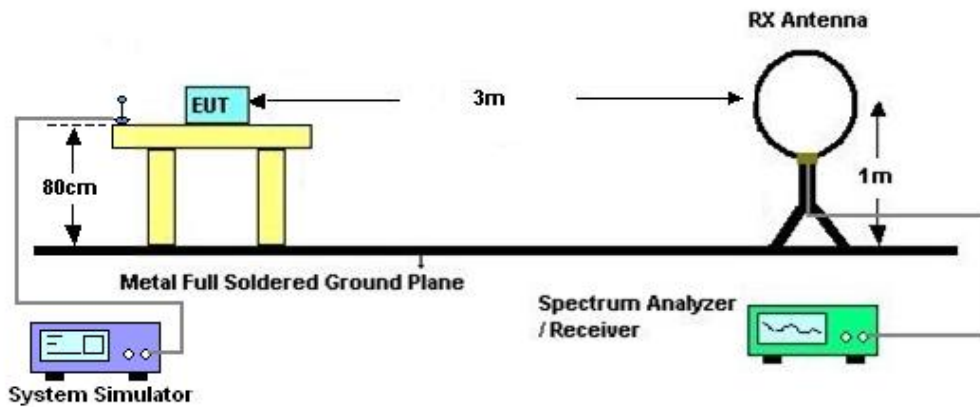
## 4 Radiated Test Items

### 4.1 Measuring Instruments

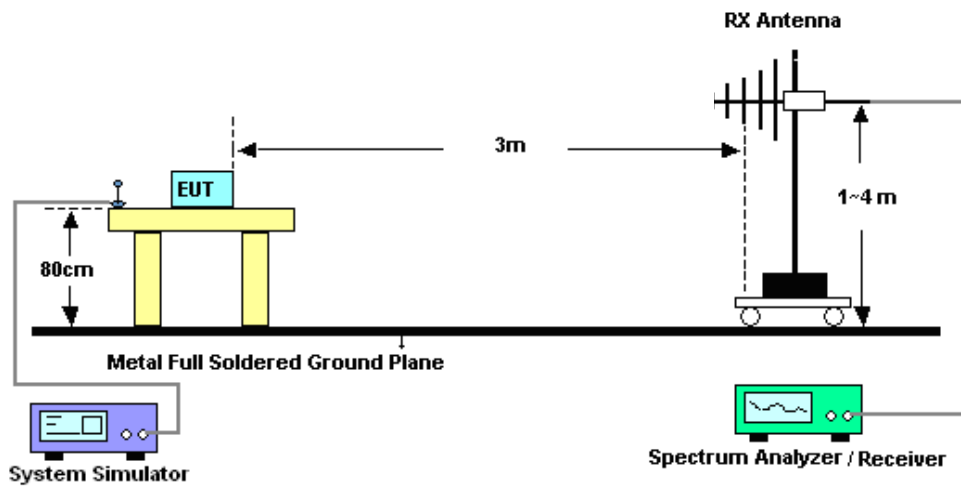
See list of measuring instruments of this test report.

### 4.2 Test Setup

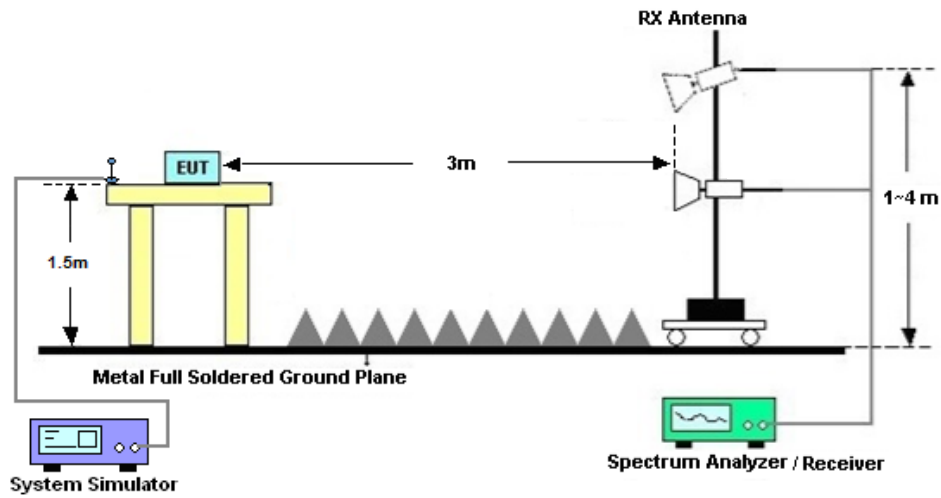
#### 4.2.1 For radiated test below 30MHz



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



### 4.2.3 For radiated test above 1GHz



### 4.3 Test Result of Radiated Test

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

Please refer to Appendix B.



## 4.4 Radiated Spurious Emission

### 4.4.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015. 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 -40dBm / MHz.

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

### 4.4.2 Test Procedures

1. 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.
2. The EUT was set 3 meters from the receiving antenna 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 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.  
 $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$   
 $ERP \text{ (dBm)} = EIRP - 2.15$
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.  
The limit line is -40dBm/MHz



## 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	Oct. 12, 2022	Jun. 27, 2023	Oct. 11, 2023	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Jun. 27, 2023	NCR	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz~44G,MAX 30dB	Oct. 12, 2022	Jun. 29, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 16, 2022	Jun. 29, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz~1GHz	Apr. 09, 2023	Jun. 29, 2023	Apr. 08, 2024	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Oct. 16, 2022	Jun. 29, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 08, 2023	Jun. 29, 2023	Jan. 07, 2024	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380827	9KHz~1GHz	Jul. 11, 2022	Jun. 29, 2023	Jul. 10, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GG A	060728	18~40GHz	Jan. 05, 2023	Jun. 29, 2023	Jan. 04, 2024	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz~18Ghz	Oct. 12, 2022	Jun. 29, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz~18Ghz	Oct. 12, 2022	Jun. 29, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 29, 2023	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 29, 2023	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 29, 2023	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required



## 6 Uncertainty of Evaluation

### Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±0.46 dB
Conducted Power Spectral Density	±0.40 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.82 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.56 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.54 dB
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----- THE END -----



### Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

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

#### LTE Band 48 (Ant.0):

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	EIRP(W)		
								L	M	H
Channel				55340	55990	56640				
Frequency (MHz)				3560	3625	3690		L	M	H
20	QPSK	1	0	20.77	20.93	21.24	16.32	5.1168	5.3088	5.7016
20	QPSK	1	99	20.74	20.99	21.37	16.32	5.0816	5.3827	5.8749
20	QPSK	100	0	20.20	20.47	20.68	16.32	4.4875	4.7753	5.0119
20	16QAM	1	0	20.12	20.40	20.43	16.32	4.4055	4.6989	4.7315
20	16QAM	1	99	20.11	20.41	20.52	16.32	4.3954	4.7098	4.8306
20	16QAM	100	0	19.24	19.50	19.73	16.32	3.5975	3.8194	4.0272
20	64QAM	1	0	19.24	19.30	19.54	16.32	3.5975	3.6475	3.8548
20	64QAM	1	99	19.18	19.43	19.70	16.32	3.5481	3.7584	3.9994
20	64QAM	100	0	18.25	18.49	18.72	16.32	2.8642	3.0269	3.1915
20	256QAM	1	0	16.07	16.40	16.30	16.32	1.7338	1.8707	1.8281
20	256QAM	1	99	16.42	16.42	16.76	16.32	1.8793	1.8793	2.0324
20	256QAM	100	0	16.25	16.47	16.57	16.32	1.8072	1.9011	1.9454
Channel				55315	55990	56665	Gain	EIRP(W)		
Frequency (MHz)				3557.5	3625	3692.5		L	M	H
15	QPSK	1	0	20.54	20.74	21.22	16.32	4.8529	5.0816	5.6754
15	QPSK	1	74	20.73	20.91	21.31	16.32	5.0699	5.2845	5.7943
15	QPSK	75	0	20.16	20.49	20.68	16.32	4.4463	4.7973	5.0119
15	16QAM	1	0	19.86	20.31	20.78	16.32	4.1495	4.6026	5.1286
15	16QAM	1	74	20.10	20.51	20.67	16.32	4.3853	4.8195	5.0003
15	16QAM	75	0	19.20	19.51	19.73	16.32	3.5645	3.8282	4.0272
15	64QAM	1	0	19.05	19.47	19.70	16.32	3.4435	3.7931	3.9994
15	64QAM	1	74	19.26	19.51	19.81	16.32	3.6141	3.8282	4.1020
15	64QAM	75	0	18.22	18.45	18.70	16.32	2.8445	2.9992	3.1769
15	256QAM	1	0	16.11	16.53	16.70	16.32	1.7498	1.9275	2.0045
15	256QAM	1	74	16.27	16.48	16.70	16.32	1.8155	1.9055	2.0045
15	256QAM	75	0	16.27	16.46	16.74	16.32	1.8155	1.8967	2.0230



Channel				55290	55990	56690	Gain	EIRP(W)		
Frequency (MHz)				3555	3625	3695		L	M	H
10	QPSK	1	0	20.69	20.91	21.23	16.32	5.0234	5.2845	5.6885
10	QPSK	1	49	20.82	21.00	21.29	16.32	5.1761	5.3951	5.7677
10	QPSK	50	0	20.34	20.49	20.84	16.32	4.6345	4.7973	5.2000
10	16QAM	1	0	20.15	20.38	20.53	16.32	4.4361	4.6774	4.8417
10	16QAM	1	49	20.19	20.42	20.65	16.32	4.4771	4.7206	4.9774
10	16QAM	50	0	19.27	19.54	19.88	16.32	3.6224	3.8548	4.1687
10	64QAM	1	0	19.14	19.50	19.81	16.32	3.5156	3.8194	4.1020
10	64QAM	1	49	19.23	19.51	19.93	16.32	3.5892	3.8282	4.2170
10	64QAM	50	0	18.37	18.50	18.83	16.32	2.9444	3.0339	3.2734
10	256QAM	1	0	15.94	16.44	16.55	16.32	1.6827	1.8880	1.9364
10	256QAM	1	49	16.11	16.69	16.77	16.32	1.7498	1.9999	2.0370
10	256QAM	50	0	16.26	16.50	16.80	16.32	1.8113	1.9143	2.0512
Channel				55265	55990	56715	Gain	EIRP(W)		
Frequency (MHz)				3552.5	3625	3697.5		L	M	H
5	QPSK	1	0	20.70	20.92	21.19	16.32	5.0350	5.2966	5.6364
5	QPSK	1	24	20.72	20.99	21.25	16.32	5.0582	5.3827	5.7148
5	QPSK	25	0	20.32	20.51	20.85	16.32	4.6132	4.8195	5.2119
5	16QAM	1	0	20.11	20.63	20.61	16.32	4.3954	4.9545	4.9317
5	16QAM	1	24	20.14	20.52	20.88	16.32	4.4259	4.8306	5.2481
5	16QAM	25	0	19.28	19.46	19.82	16.32	3.6308	3.7844	4.1115
5	64QAM	1	0	19.14	19.31	19.83	16.32	3.5156	3.6559	4.1210
5	64QAM	1	24	19.26	19.65	19.86	16.32	3.6141	3.9537	4.1495
5	64QAM	25	0	18.29	18.43	18.82	16.32	2.8907	2.9854	3.2659
5	256QAM	1	0	16.16	16.30	16.69	16.32	1.7701	1.8281	1.9999
5	256QAM	1	24	16.39	16.66	16.81	16.32	1.8664	1.9861	2.0559
5	256QAM	25	0	16.27	16.46	16.77	16.32	1.8155	1.8967	2.0370





LTE Band 48C\_CA (Ant.0):

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
				L	M	H		L	M	H
20+20	Channel			L	M	H		L	M	H
	QPSK	1RB01RBMAX		1.41	1.61	1.71	16.32	0.0593	0.0621	0.0635
	QPSK	1RBMAX1RB0		1.06	1.50	1.84	16.32	0.0547	0.0605	0.0655
	QPSK	FULL		12.28	20.70	12.95	16.32	0.7244	5.0350	0.8453
	16QAM	1RB01RBMAX		1.43	1.67	1.70	16.32	0.0596	0.0630	0.0634
	16QAM	1RBMAX1RB0		1.02	1.55	1.79	16.32	0.0542	0.0612	0.0647
	16QAM	FULL		12.35	19.70	12.91	16.32	0.7362	3.9994	0.8375
	64QAM	1RB01RBMAX		1.49	1.78	1.82	16.32	0.0604	0.0646	0.0652
	64QAM	1RBMAX1RB0		1.21	1.67	1.94	16.32	0.0566	0.0630	0.0670
	64QAM	FULL		12.20	19.67	12.90	16.32	0.7112	3.9719	0.8356
	256QAM	1RB01RBMAX		1.36	1.68	1.75	16.32	0.0586	0.0631	0.0641
	256QAM	1RBMAX1RB0		0.97	1.68	1.77	16.32	0.0536	0.0631	0.0644
256QAM	FULL		12.21	17.71	12.86	16.32	0.7129	2.5293	0.8279	
20+15	QPSK	1RB01RBMAX		1.34	1.69	1.76	16.32	0.0583	0.0632	0.0643
	QPSK	1RBMAX1RB0		1.03	1.52	1.83	16.32	0.0543	0.0608	0.0653
	QPSK	FULL		12.18	20.69	12.92	16.32	0.7079	5.0234	0.8395
	16QAM	1RB01RBMAX		1.32	1.64	1.69	16.32	0.0581	0.0625	0.0632
	16QAM	1RBMAX1RB0		0.98	1.50	1.83	16.32	0.0537	0.0605	0.0653
	16QAM	FULL		12.25	19.66	12.97	16.32	0.7194	3.9628	0.8492
	64QAM	1RB01RBMAX		1.39	1.63	1.82	16.32	0.0590	0.0624	0.0652
	64QAM	1RBMAX1RB0		1.13	1.58	1.93	16.32	0.0556	0.0617	0.0668
	64QAM	FULL		12.14	19.65	12.89	16.32	0.7015	3.9537	0.8337
	256QAM	1RB01RBMAX		1.26	1.61	1.71	16.32	0.0573	0.0621	0.0635
	256QAM	1RBMAX1RB0		0.96	1.49	1.78	16.32	0.0535	0.0604	0.0646
	256QAM	FULL		12.14	17.68	12.94	16.32	0.7015	2.5119	0.8433
20+10	QPSK	1RB01RBMAX		1.28	1.64	1.84	16.32	0.0575	0.0625	0.0655
	QPSK	1RBMAX1RB0		0.98	1.49	1.75	16.32	0.0537	0.0604	0.0641
	QPSK	FULL		12.18	20.63	12.97	16.32	0.7079	4.9545	0.8492
	16QAM	1RB01RBMAX		1.17	1.64	1.74	16.32	0.0561	0.0625	0.0640
	16QAM	1RBMAX1RB0		0.96	1.39	1.66	16.32	0.0535	0.0590	0.0628
	16QAM	FULL		12.24	19.67	12.94	16.32	0.7178	3.9719	0.8433
	64QAM	1RB01RBMAX		1.32	1.70	1.81	16.32	0.0581	0.0634	0.0650
	64QAM	1RBMAX1RB0		1.03	1.54	1.94	16.32	0.0543	0.0611	0.0670
	64QAM	FULL		12.13	19.66	12.90	16.32	0.6998	3.9628	0.8356
	256QAM	1RB01RBMAX		1.14	1.57	1.69	16.32	0.0557	0.0615	0.0632
	256QAM	1RBMAX1RB0		0.93	1.53	1.74	16.32	0.0531	0.0610	0.0640
	256QAM	FULL		12.13	17.64	12.89	16.32	0.6998	2.4889	0.8337



20+5	QPSK	1RB01RBMAX	1.16	1.64	1.81	16.32	0.0560	0.0625	0.0650
	QPSK	1RBMAX1RB0	0.97	1.44	1.72	16.32	0.0536	0.0597	0.0637
	QPSK	FULL	12.15	20.56	12.96	16.32	0.7031	4.8753	0.8472
	16QAM	1RB01RBMAX	1.15	1.54	1.75	16.32	0.0558	0.0611	0.0641
	16QAM	1RBMAX1RB0	1.02	1.47	1.75	16.32	0.0542	0.0601	0.0641
	16QAM	FULL	12.19	19.64	12.99	16.32	0.7096	3.9446	0.8531
	64QAM	1RB01RBMAX	1.18	1.63	1.91	16.32	0.0562	0.0624	0.0665
	64QAM	1RBMAX1RB0	1.13	1.52	1.82	16.32	0.0556	0.0608	0.0652
	64QAM	FULL	12.07	19.58	12.98	16.32	0.6902	3.8905	0.8511
	256QAM	1RB01RBMAX	1.13	1.66	1.87	16.32	0.0556	0.0628	0.0659
	256QAM	1RBMAX1RB0	0.93	1.43	1.71	16.32	0.0531	0.0596	0.0635
256QAM	FULL	12.08	17.60	12.88	16.32	0.6918	2.4660	0.8318	
15+20	QPSK	1RB01RBMAX	1.21	1.57	1.77	16.32	0.0566	0.0615	0.0644
	QPSK	1RBMAX1RB0	0.95	1.62	1.80	16.32	0.0533	0.0622	0.0649
	QPSK	FULL	12.24	20.66	12.93	16.32	0.7178	4.9888	0.8414
	16QAM	1RB01RBMAX	1.13	1.55	1.58	16.32	0.0556	0.0612	0.0617
	16QAM	1RBMAX1RB0	0.92	1.67	1.84	16.32	0.0530	0.0630	0.0655
	16QAM	FULL	12.16	19.67	12.90	16.32	0.7047	3.9719	0.8356
	64QAM	1RB01RBMAX	1.28	1.71	1.74	16.32	0.0575	0.0635	0.0640
	64QAM	1RBMAX1RB0	1.02	1.65	1.98	16.32	0.0542	0.0627	0.0676
	64QAM	FULL	12.10	19.65	12.86	16.32	0.6950	3.9537	0.8279
	256QAM	1RB01RBMAX	1.14	1.50	1.76	16.32	0.0557	0.0605	0.0643
	256QAM	1RBMAX1RB0	0.86	1.59	1.83	16.32	0.0522	0.0618	0.0653
256QAM	FULL	12.12	17.65	12.87	16.32	0.6982	2.4946	0.8299	
10+20	QPSK	1RB01RBMAX	1.16	1.55	1.74	16.32	0.0560	0.0612	0.0640
	QPSK	1RBMAX1RB0	0.91	1.65	1.84	16.32	0.0528	0.0627	0.0655
	QPSK	FULL	12.07	20.67	12.90	16.32	0.6902	5.0003	0.8356
	16QAM	1RB01RBMAX	1.08	1.60	1.59	16.32	0.0550	0.0619	0.0618
	16QAM	1RBMAX1RB0	0.82	1.60	1.73	16.32	0.0518	0.0619	0.0638
	16QAM	FULL	12.10	19.68	12.92	16.32	0.6950	3.9811	0.8395
	64QAM	1RB01RBMAX	1.23	1.62	1.83	16.32	0.0569	0.0622	0.0653
	64QAM	1RBMAX1RB0	0.98	1.73	1.89	16.32	0.0537	0.0638	0.0662
	64QAM	FULL	11.98	19.65	12.87	16.32	0.6761	3.9537	0.8299
	256QAM	1RB01RBMAX	1.07	1.50	1.72	16.32	0.0548	0.0605	0.0637
	256QAM	1RBMAX1RB0	0.83	1.67	1.83	16.32	0.0519	0.0630	0.0653
256QAM	FULL	12.01	17.66	12.86	16.32	0.6808	2.5003	0.8279	
5+20	QPSK	1RB01RBMAX	1.07	1.52	1.66	16.32	0.0548	0.0608	0.0628
	QPSK	1RBMAX1RB0	0.88	1.67	1.81	16.32	0.0525	0.0630	0.0650
	QPSK	FULL	11.99	20.60	12.82	16.32	0.6776	4.9204	0.8204
	16QAM	1RB01RBMAX	1.01	1.59	1.67	16.32	0.0541	0.0618	0.0630
	16QAM	1RBMAX1RB0	0.87	1.61	1.91	16.32	0.0524	0.0621	0.0665
	16QAM	FULL	12.04	19.62	12.90	16.32	0.6855	3.9264	0.8356
	64QAM	1RB01RBMAX	1.03	1.56	1.73	16.32	0.0543	0.0614	0.0638
	64QAM	1RBMAX1RB0	0.79	1.70	1.92	16.32	0.0514	0.0634	0.0667
	64QAM	FULL	11.93	19.63	12.89	16.32	0.6683	3.9355	0.8337
	256QAM	1RB01RBMAX	1.06	1.51	1.71	16.32	0.0547	0.0607	0.0635
	256QAM	1RBMAX1RB0	0.84	1.67	1.84	16.32	0.0520	0.0630	0.0655
256QAM	FULL	11.91	17.63	12.82	16.32	0.6653	2.4831	0.8204	



# LTE Band 48

## EIRP Power Density

### 1RB0

Mode	LTE Band 48 : EIRP Power Density (dBm/1MHz)							
BW	5MHz 1RB0				10MHz 1RB0			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	36.59	36.27	35.17	32.35	36.35	36.2	35.09	32.02
Middle CH	36.75	36.43	35.18	32.26	36.6	36.25	35.18	32.19
Highest CH	36.93	36.48	35.53	32.41	36.8	36.4	35.31	32.16
BW	15MHz 1RB0				20MHz 1RB0			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	36.47	36.2	34.85	31.97	36.4	36.3	34.9	32.12
Middle CH	36.34	36.12	36.18	32.01	36.75	36.18	35.15	32.24
Highest CH	36.62	36.27	35.39	32.02	36.92	36.37	35.34	32.62
Limit	37dBm /1MHz							
Gain	16.32							
Result	Pass							

### 1RB MAX

Mode	LTE Band 48 : EIRP Power Density (dBm/1MHz)							
BW	5MHz 1RBMAX				10MHz 1RBMAX			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	36.7	36.21	35.35	32.39	36.71	35.92	35.34	31.99
Middle CH	36.85	36.38	35.52	32.38	36.48	36.4	35.17	32.36
Highest CH	36.92	36.43	35.28	32.49	36.66	36.38	35.36	32.4
BW	15MHz 1RBMAX				20MHz 1RBMAX			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	36.3	36.08	34.93	31.84	36.61	36.64	35.12	32.45
Middle CH	36.52	36.27	35.38	32.54	36.68	36.1	35.24	32.37
Highest CH	36.88	36.16	35.33	32.5	36.86	36.47	35.51	32.55
Limit	37dBm /1MHz							
Gain	16.32							
Result	pass							



**FULL RB**

Mode	LTE Band 48 : EIRP Power Density (dBm/1MHz)							
BW	5MHz FULL				10MHz FULL			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	30.07	29.27	28.2	26.29	27.11	26.34	25.39	23.29
Middle CH	30.1	29.2	28.26	26.23	27.22	26.2	25.26	23.22
Highest CH	30.42	29.41	28.38	26.46	27.4	26.33	25.31	23.43
BW	15MHz FULL				20MHz FULL			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	25.42	24.43	23.44	21.55	24.33	23.3	22.32	20.29
Middle CH	25.55	24.65	23.51	21.57	24.4	23.41	22.45	20.49
Highest CH	25.85	24.75	23.7	21.78	24.65	23.67	22.76	20.74
Limit	37dBm /1MHz							
Gain	16.32							
Result	Pass							

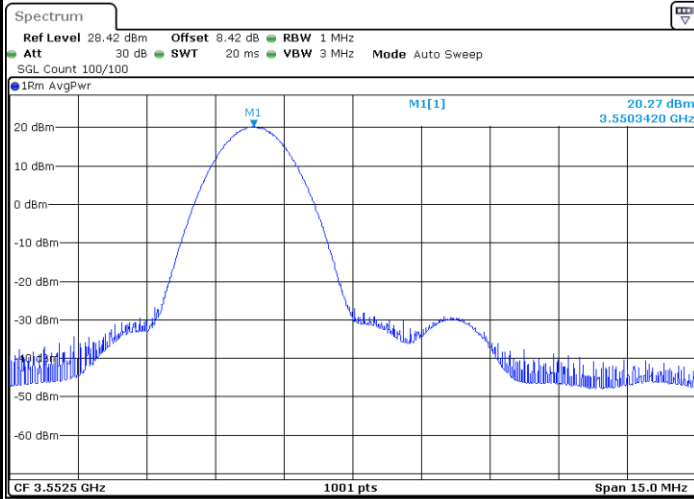


# Conducted PSD

## LTE Band 48 / 5MHz

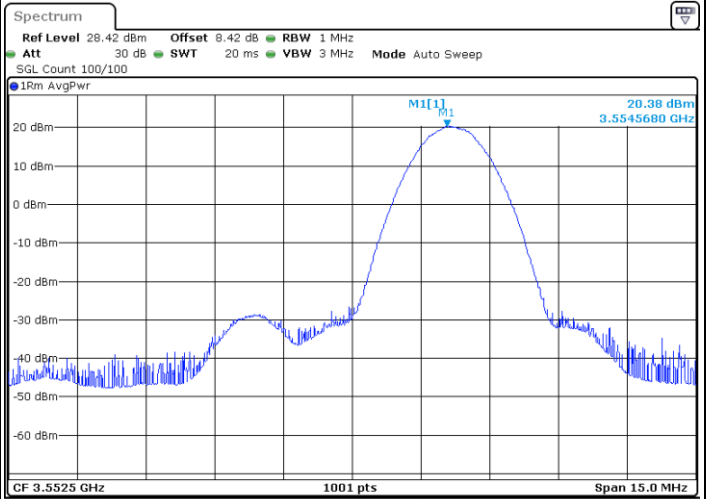
### QPSK

#### Lowest Channel / 1RB0



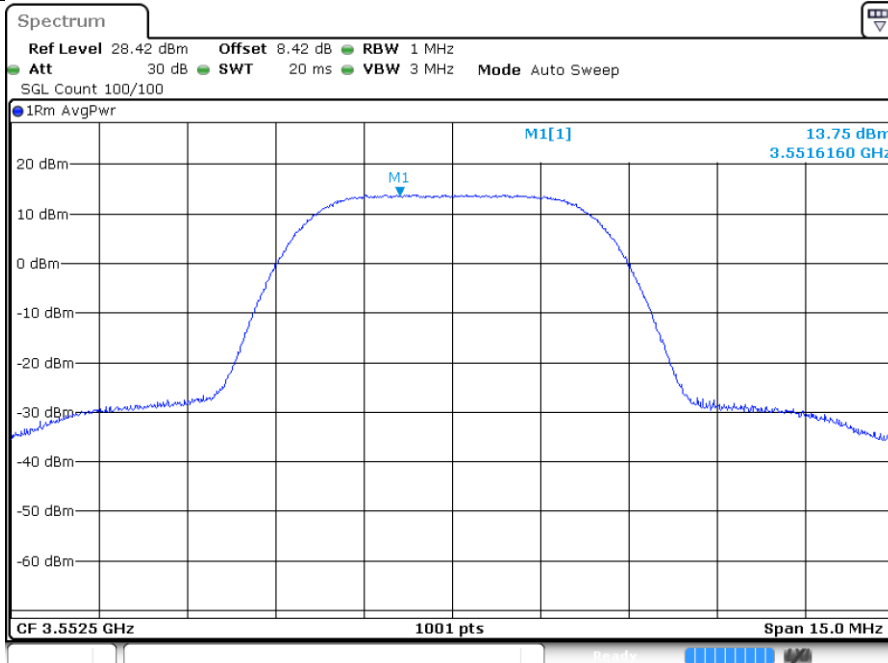
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#### Lowest Channel / 1RBmax



Date: 27 JUN 2023 11:25:35

#### Lowest Channel / Full RB



Date: 27 JUN 2023 11:26:05

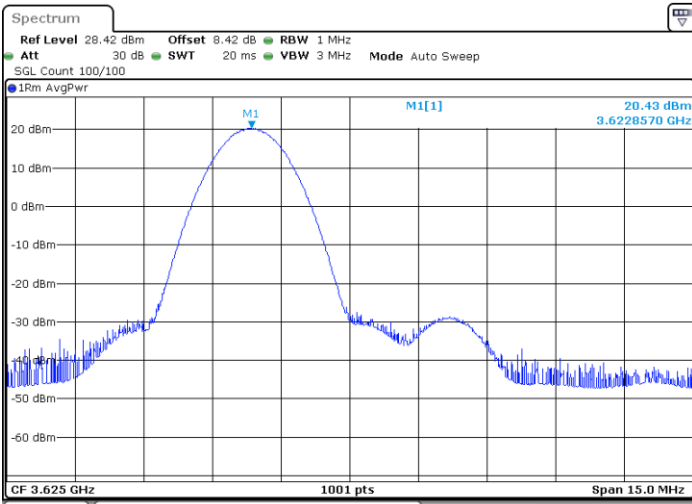


LTE Band 48 / 5MHz

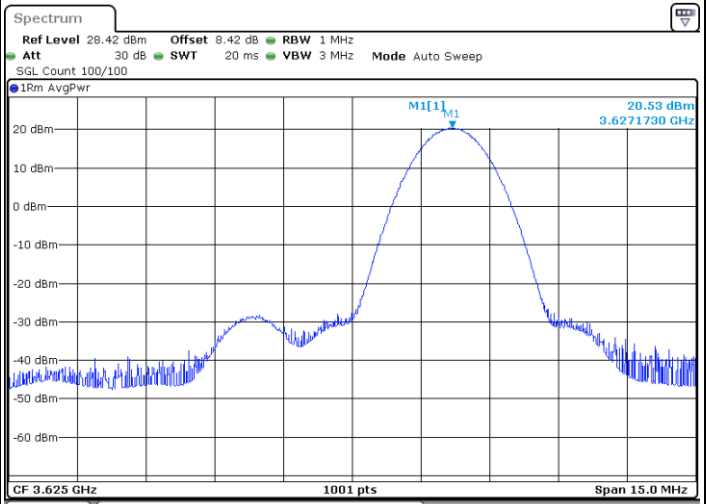
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax

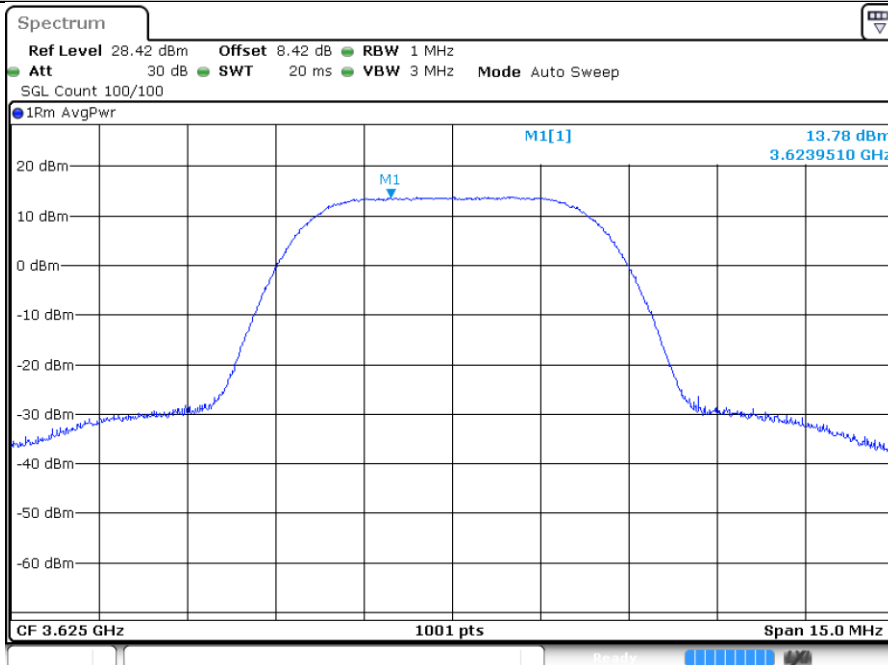


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Date: 27 JUN 2023 11:38:33

Middle Channel / Full RB



Date: 27 JUN 2023 11:39:03

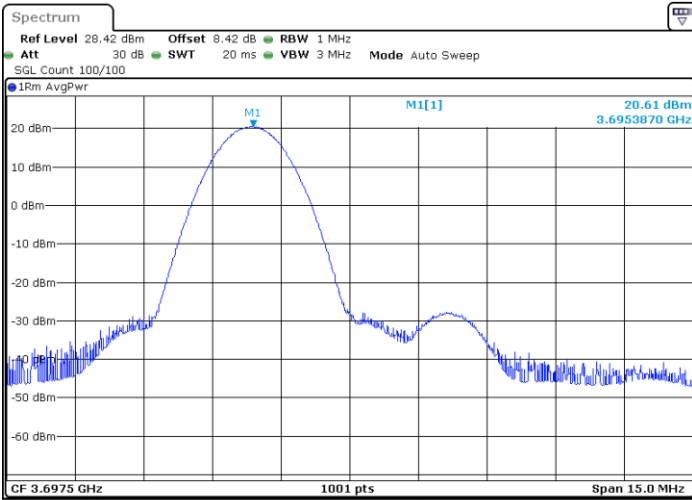


LTE Band 48 / 5MHz

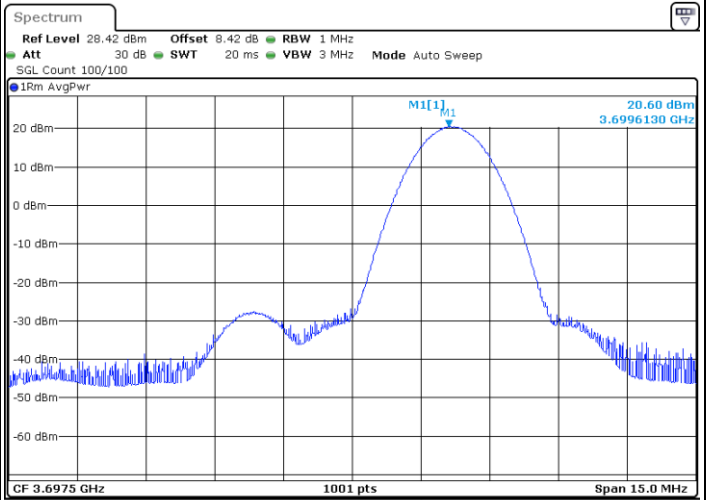
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

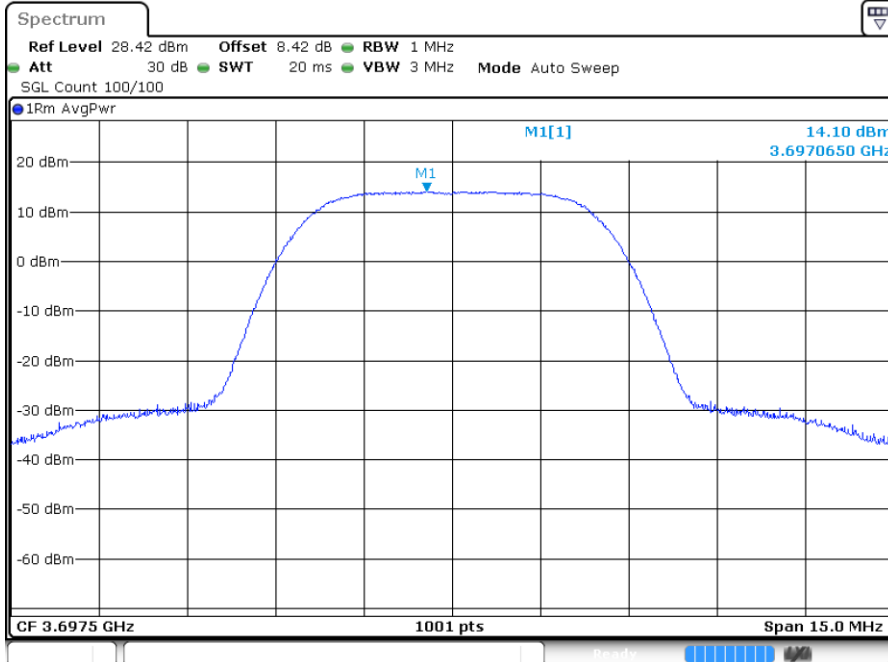


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Date: 27 JUN 2023 11:44:42

Highest Channel / Full RB



Date: 27 JUN 2023 11:45:13

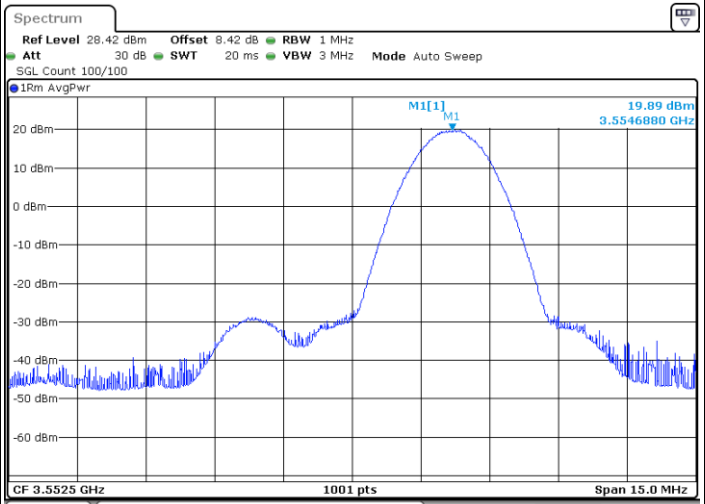
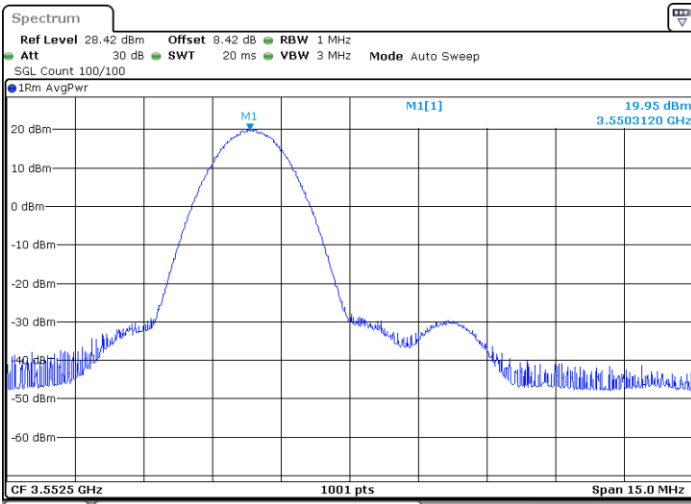


LTE Band 48 / 5MHz

16QAM

Lowest Channel / 1RB0

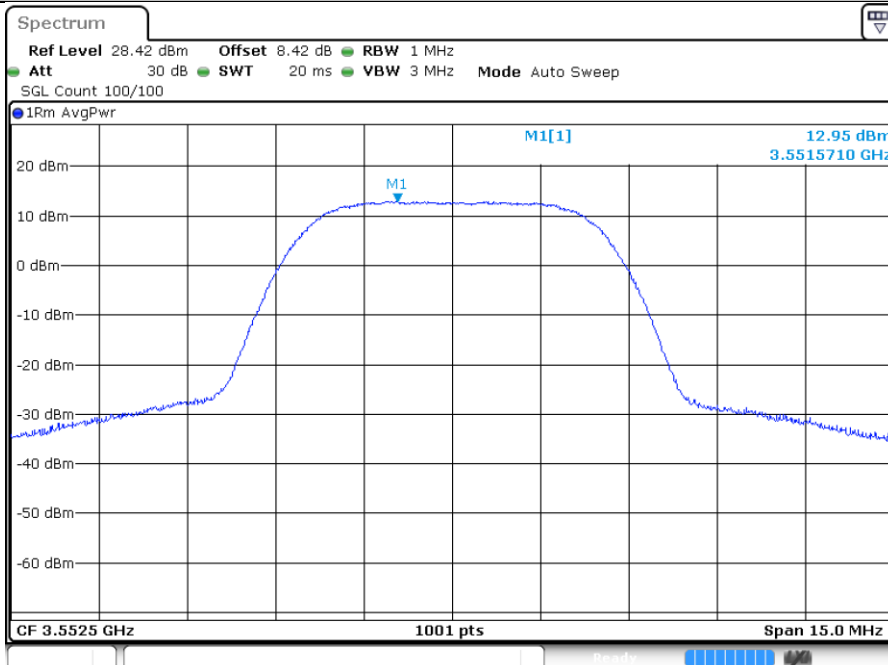
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Lowest Channel / Full RB



Date: 27 JUN 2023 11:26:36



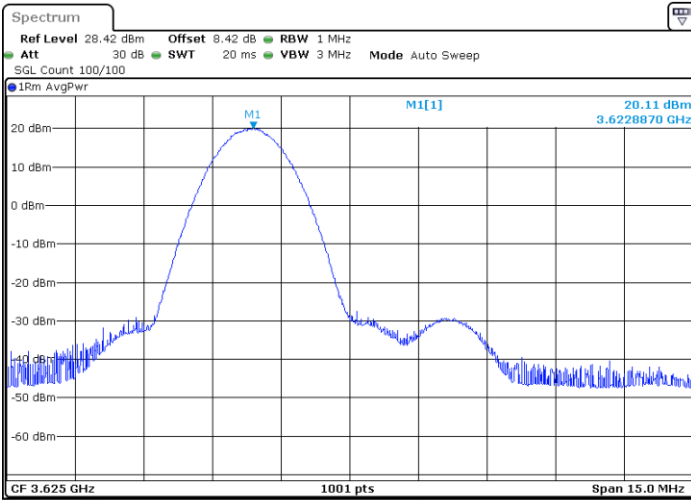


LTE Band 48 / 5MHz

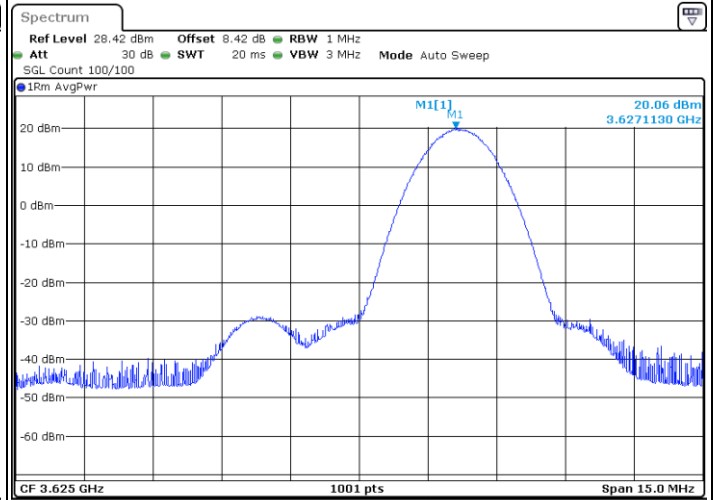
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

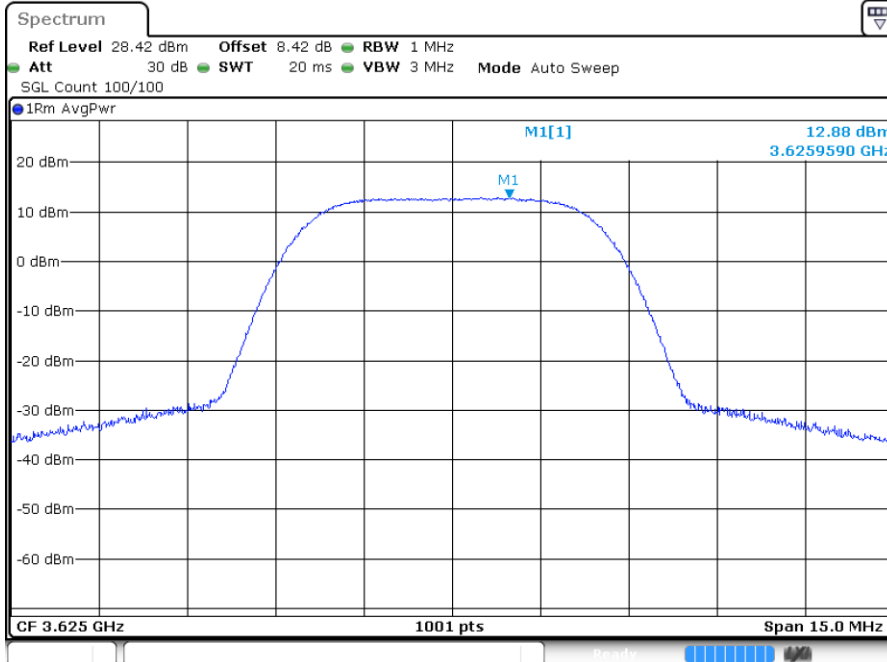


Date: 27 JUN 2023 11:35:34



Date: 27 JUN 2023 11:38:04

Middle Channel / Full RB



Date: 27 JUN 2023 11:39:33

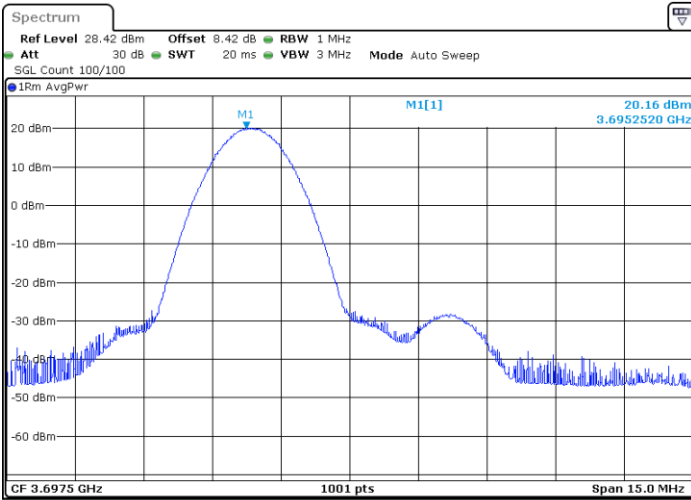


LTE Band 48 / 5MHz

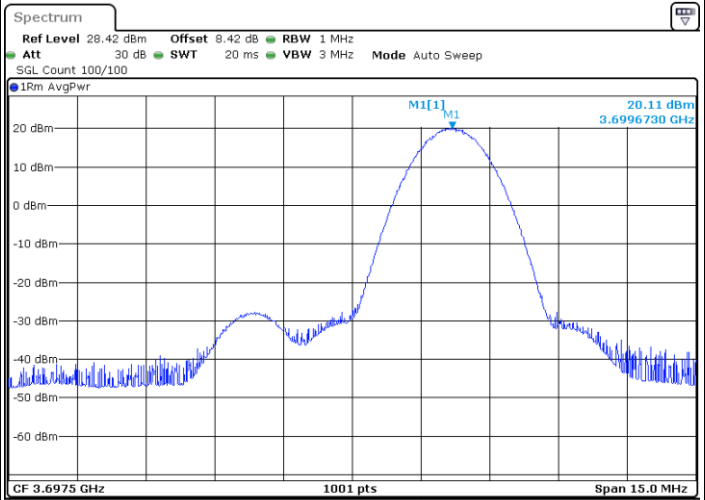
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

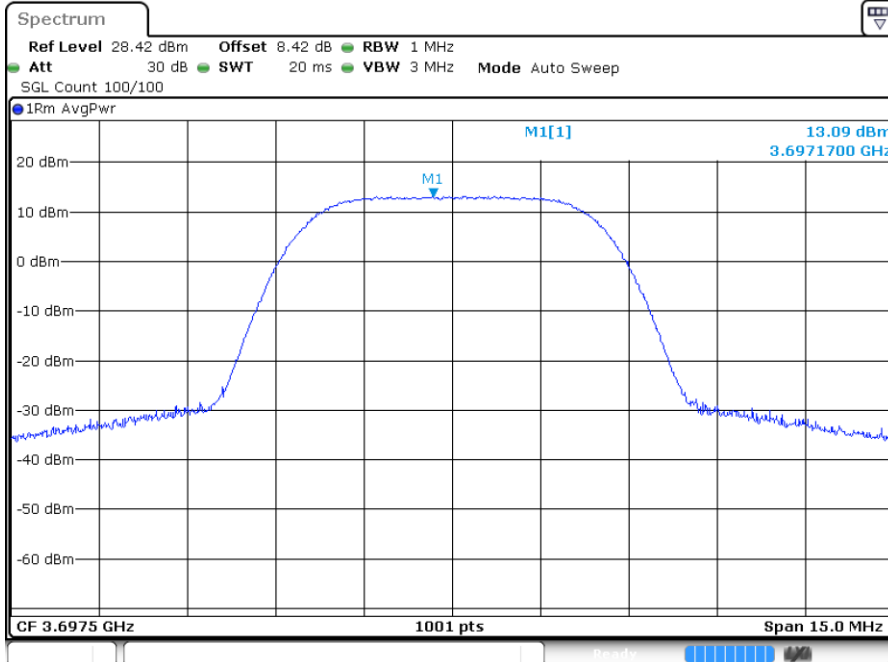


Date: 27 JUN 2023 11:41:34



Date: 27 JUN 2023 11:44:12

Highest Channel / Full RB



Date: 27 JUN 2023 11:45:44

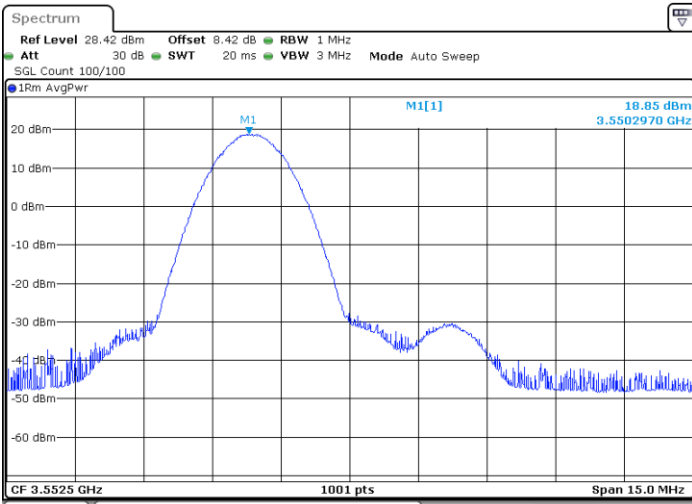


LTE Band 48 / 5MHz

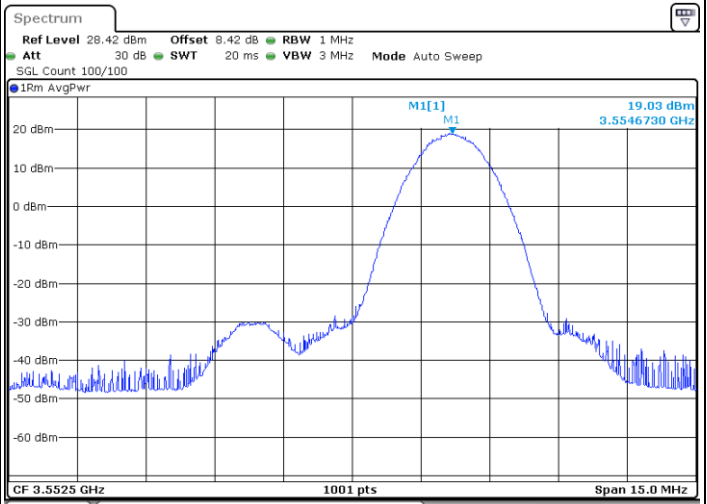
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

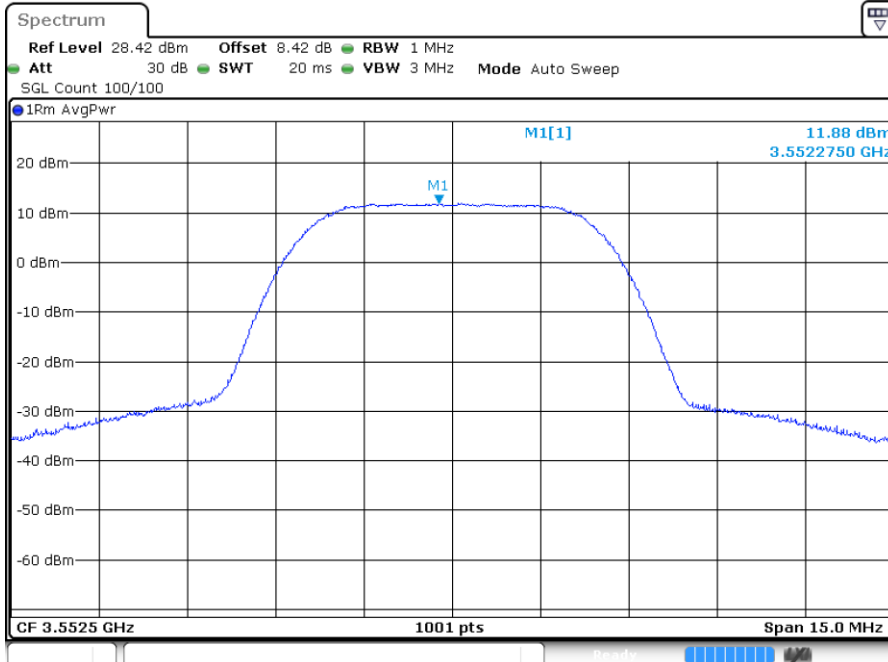


Date: 27 JUN 2023 11:22:56



Date: 27 JUN 2023 11:24:33

Lowest Channel / Full RB



Date: 27 JUN 2023 11:27:06

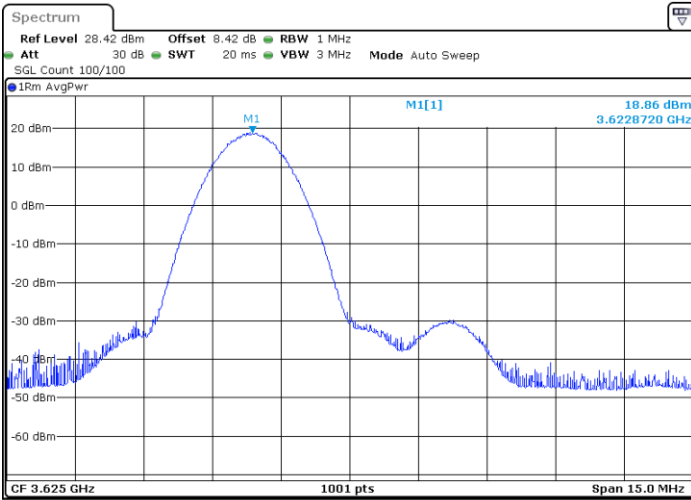


LTE Band 48 / 5MHz

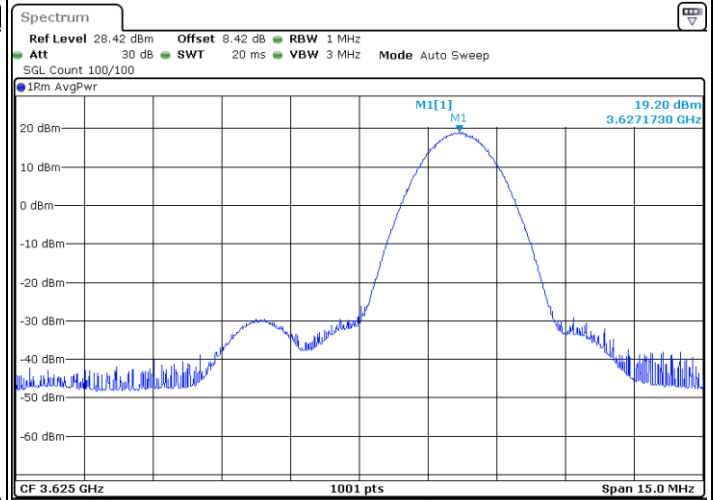
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

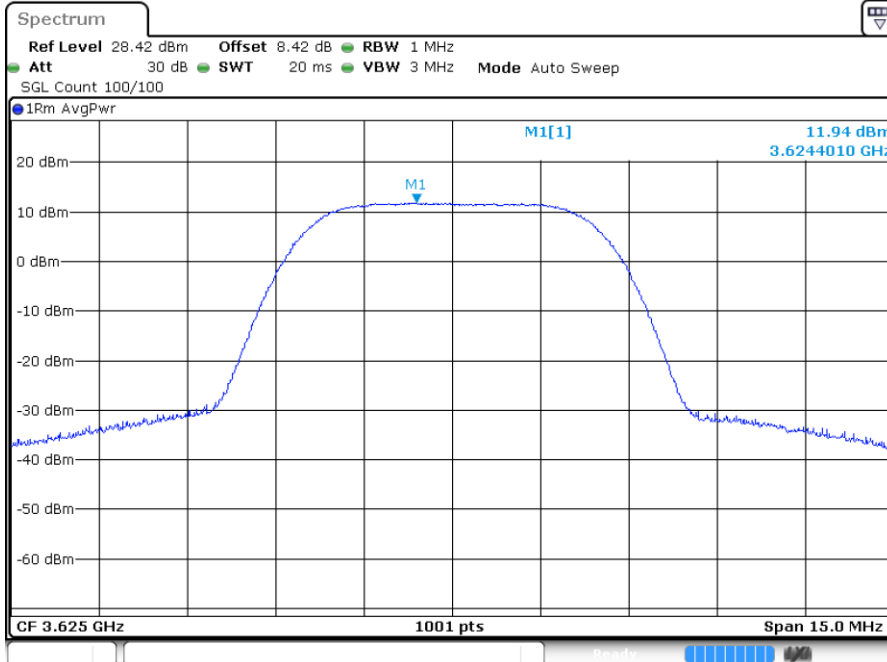


Date: 27 JUN 2023 11:36:04



Date: 27 JUN 2023 11:37:34

Middle Channel / Full RB



Date: 27 JUN 2023 11:40:03

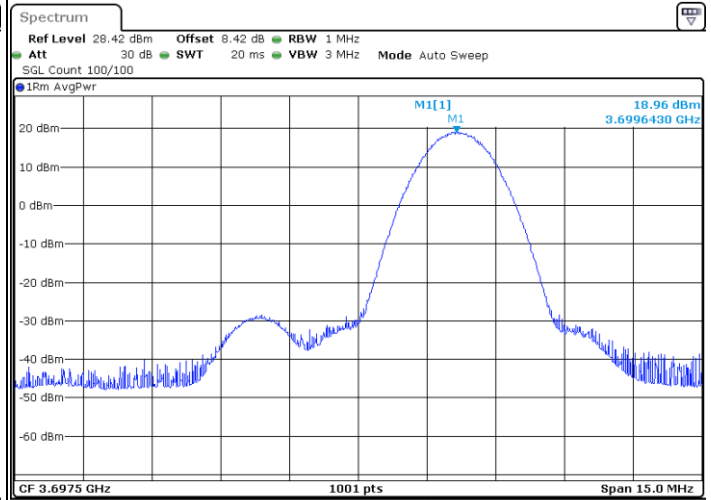
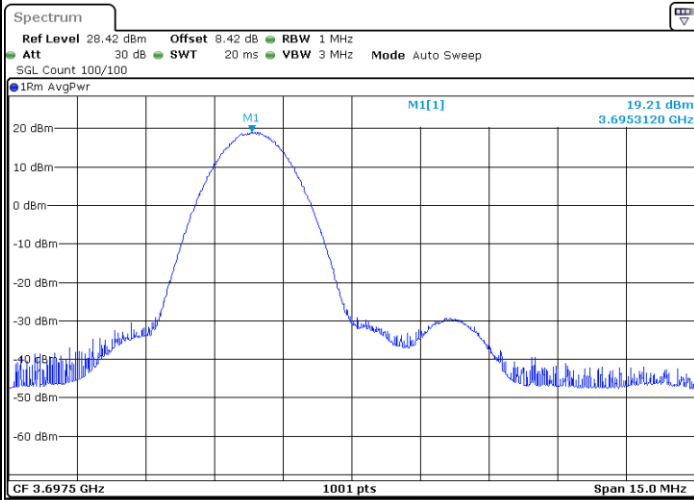


LTE Band 48 / 5MHz

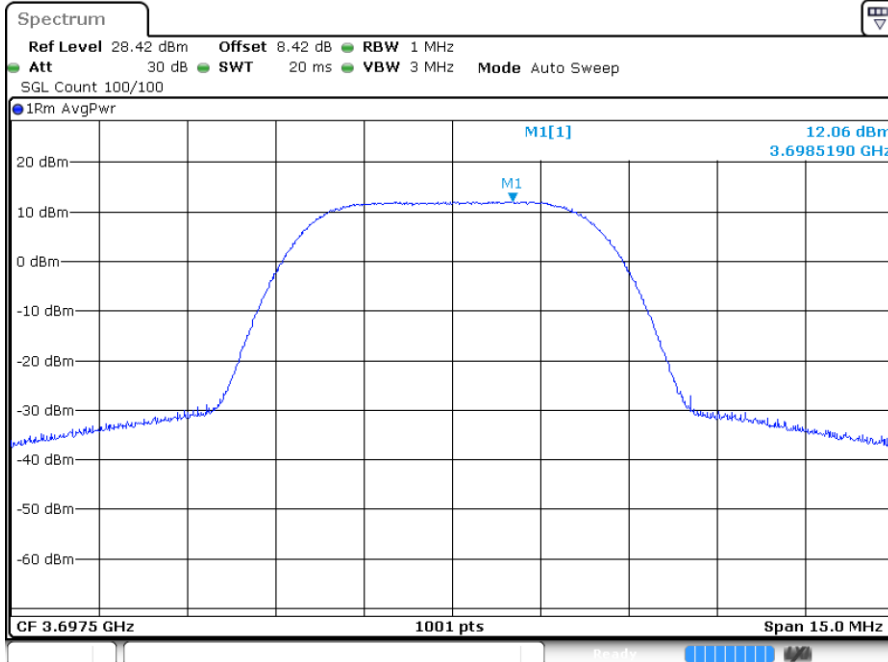
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



Highest Channel / Full RB



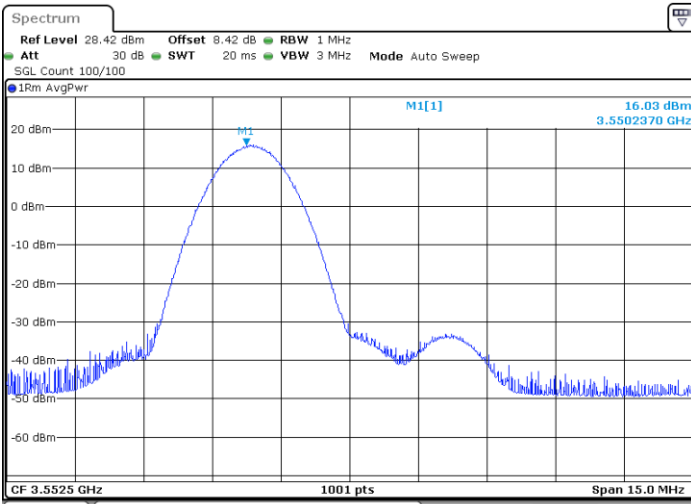


LTE Band 48 / 5MHz

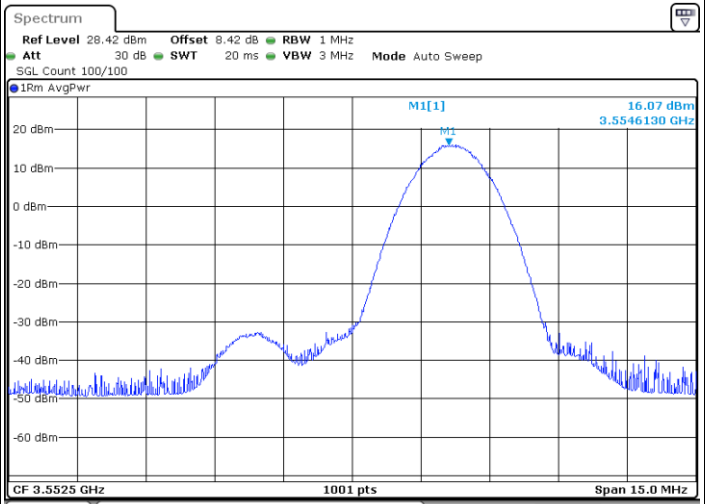
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

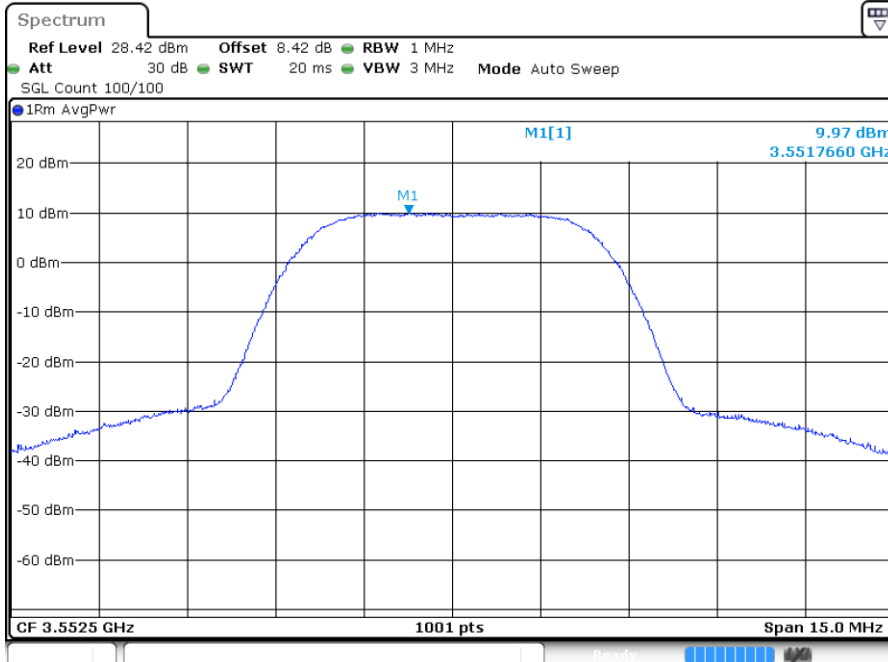


Date: 27 JUN 2023 11:23:27



Date: 27 JUN 2023 11:24:00

Lowest Channel / Full RB



Date: 27 JUN 2023 11:27:36

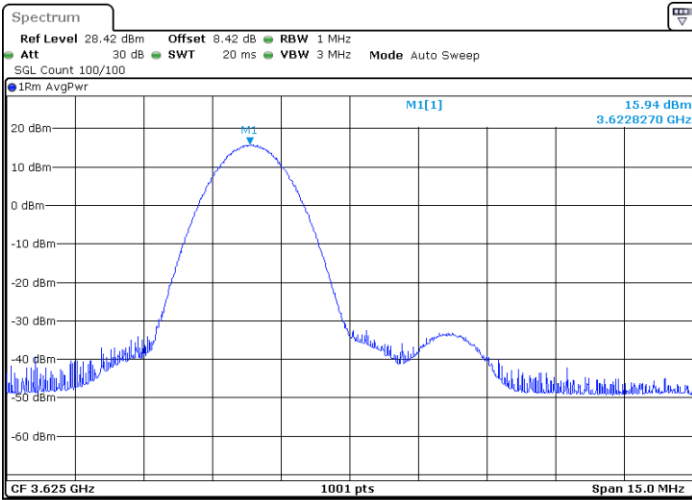


LTE Band 48 / 5MHz

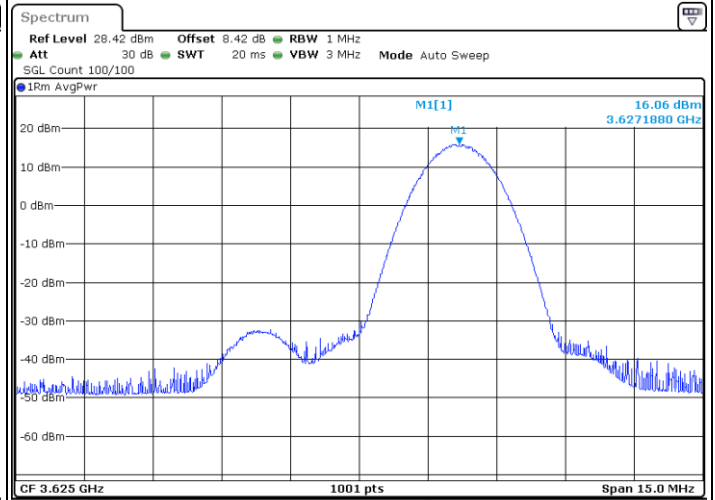
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

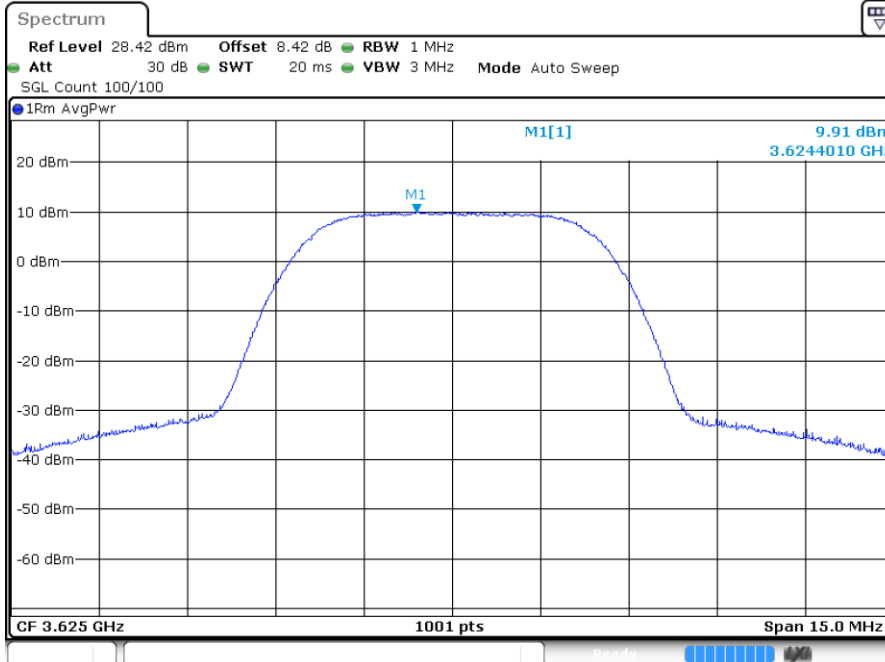


Date: 27 JUN 2023 11:36:34



Date: 27 JUN 2023 11:37:04

Middle Channel / Full RB



Date: 27 JUN 2023 11:40:33

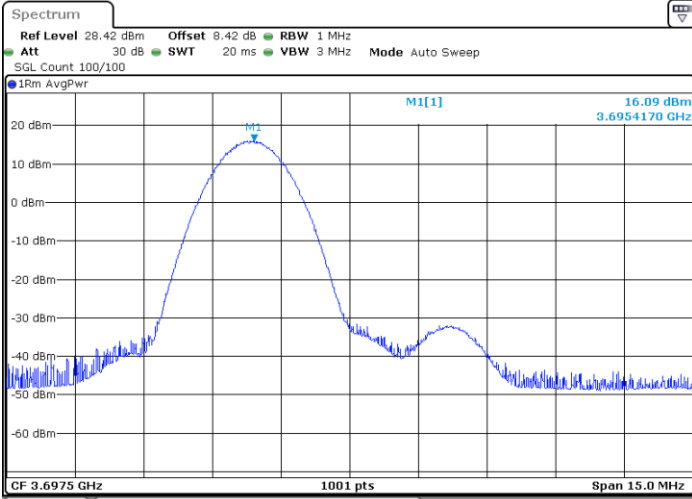


LTE Band 48 / 5MHz

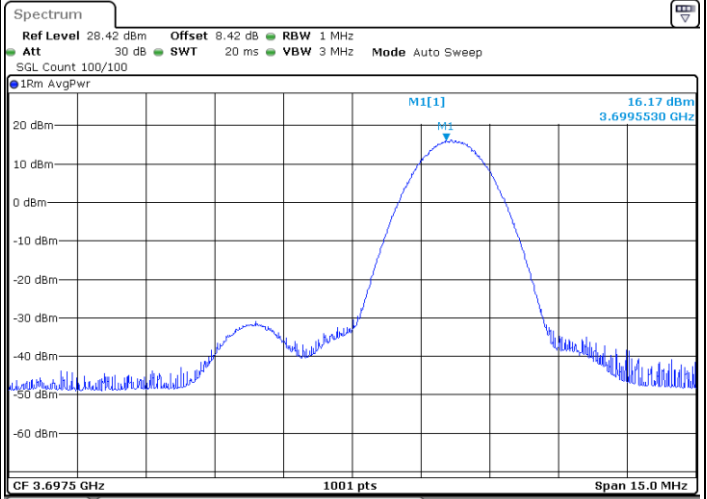
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

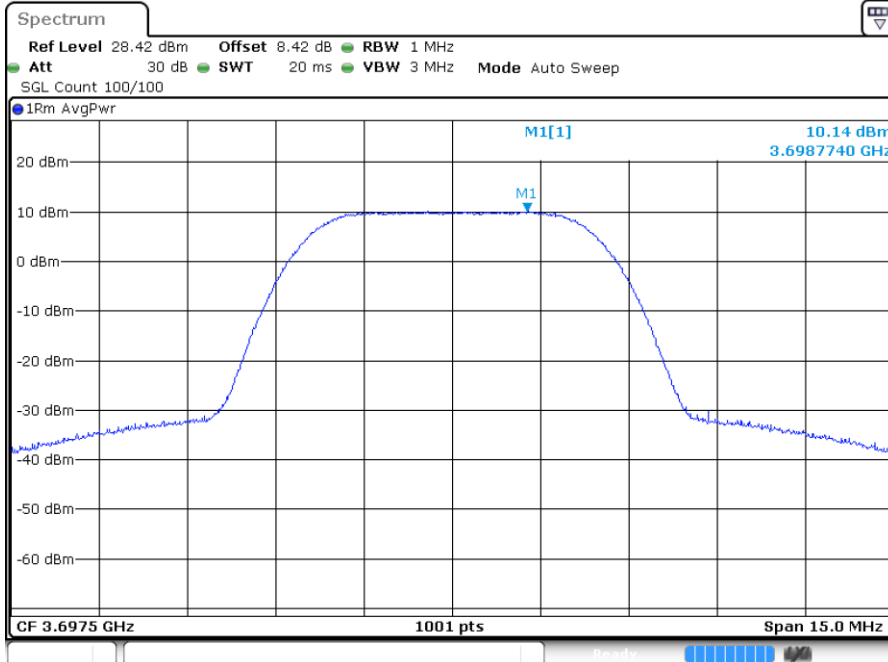


Date: 27 JUN 2023 11:42:35



Date: 27 JUN 2023 11:43:08

Highest Channel / Full RB



Date: 27 JUN 2023 11:46:45



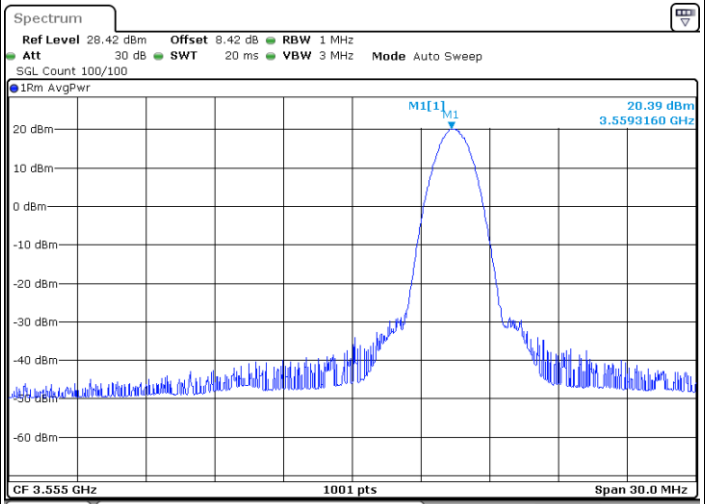
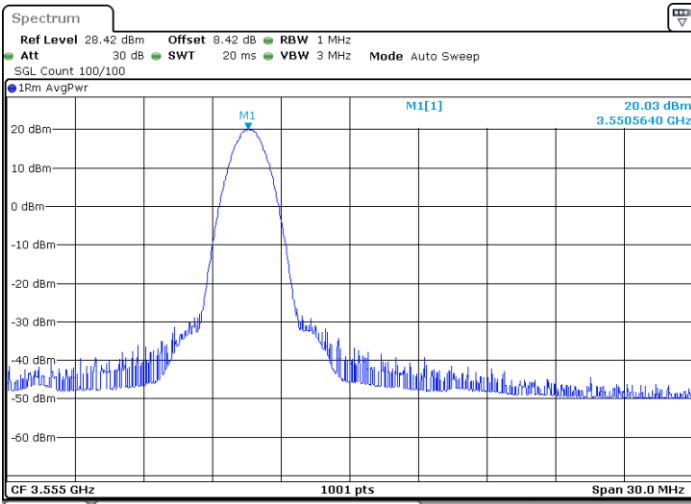


LTE Band 48 / 10MHz

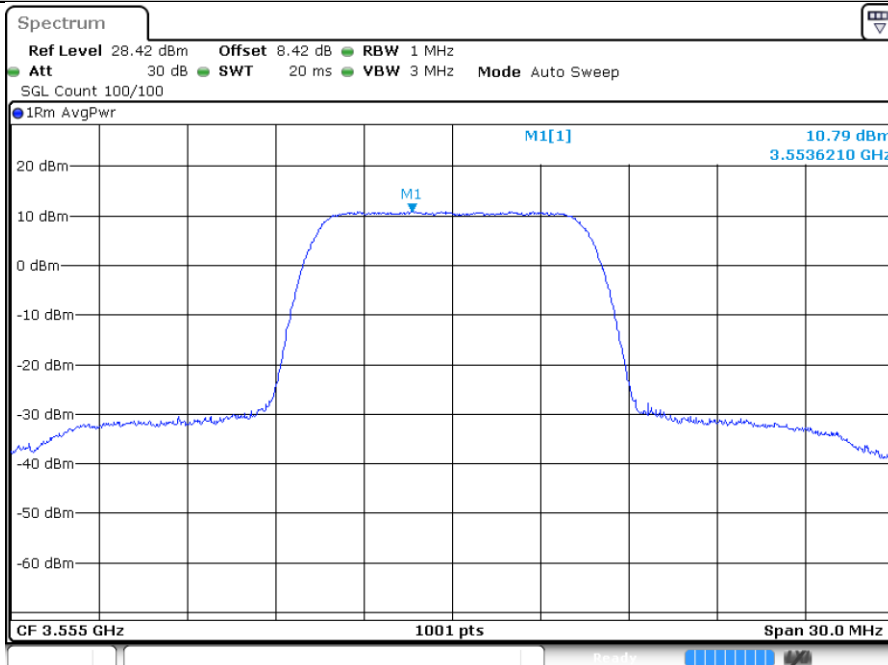
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Lowest Channel / Full RB



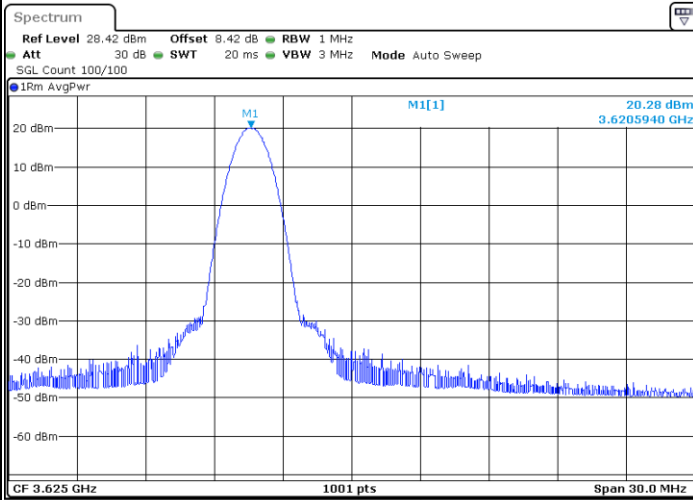


LTE Band 48 / 10MHz

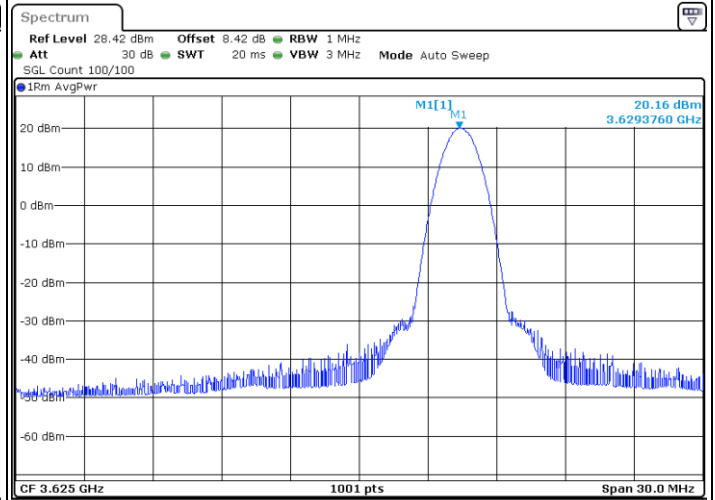
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax

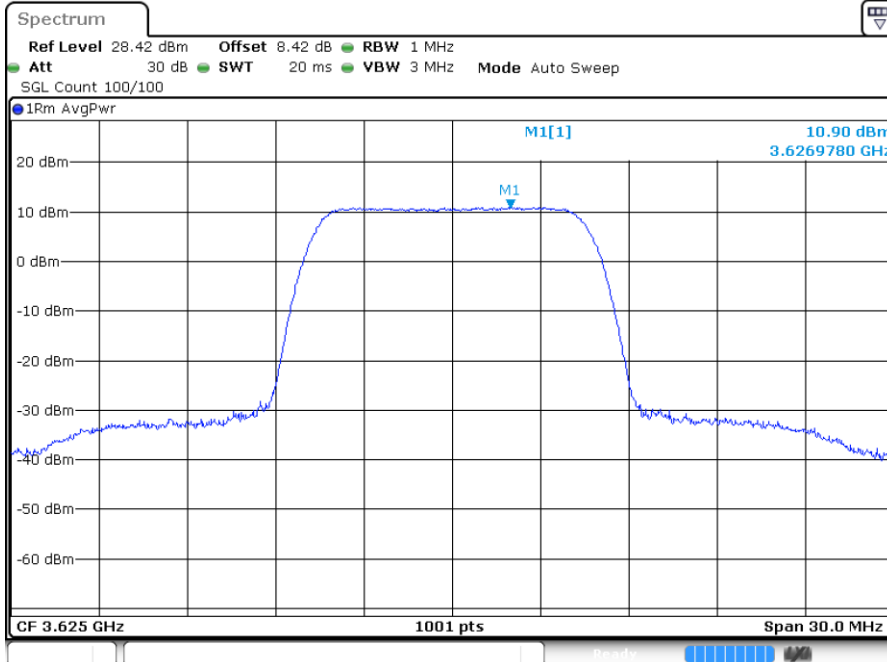


Date: 27 JUN 2023 12:52:49



Date: 27 JUN 2023 12:54:49

Middle Channel / Full RB



Date: 27 JUN 2023 12:58:19

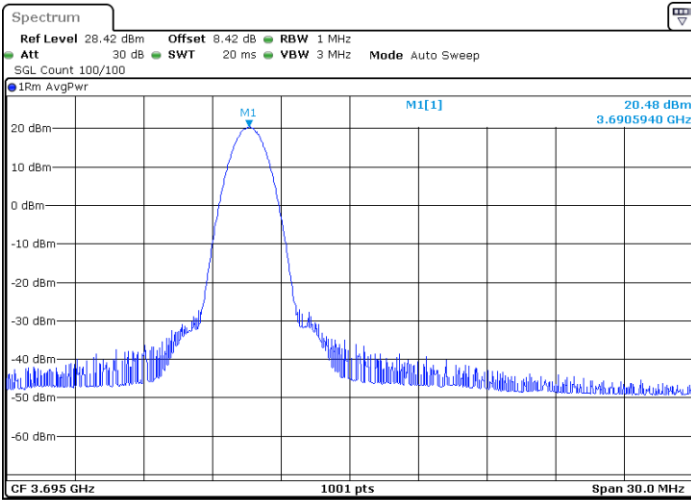


LTE Band 48 / 10MHz

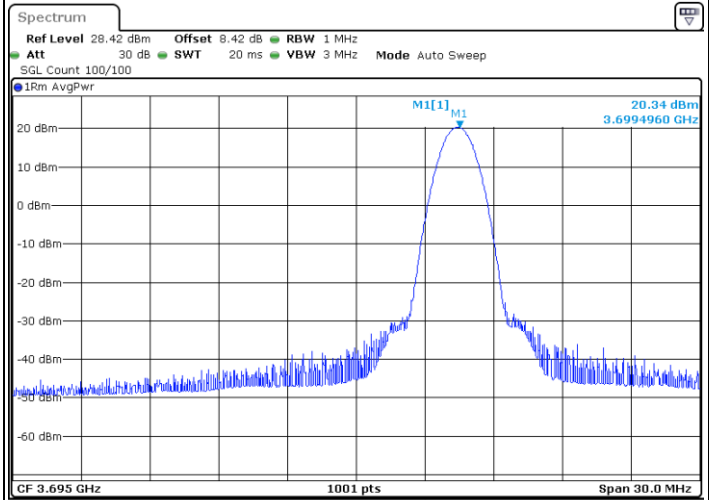
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

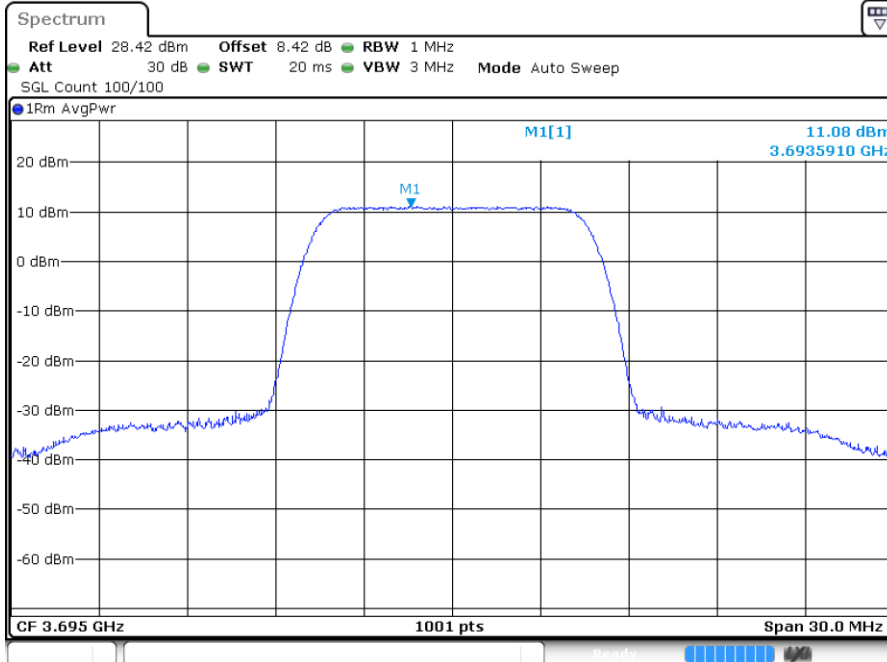


Date: 27 JUN 2023 12:58:49



Date: 27 JUN 2023 13:02:29

Highest Channel / Full RB



Date: 27 JUN 2023 13:03:00

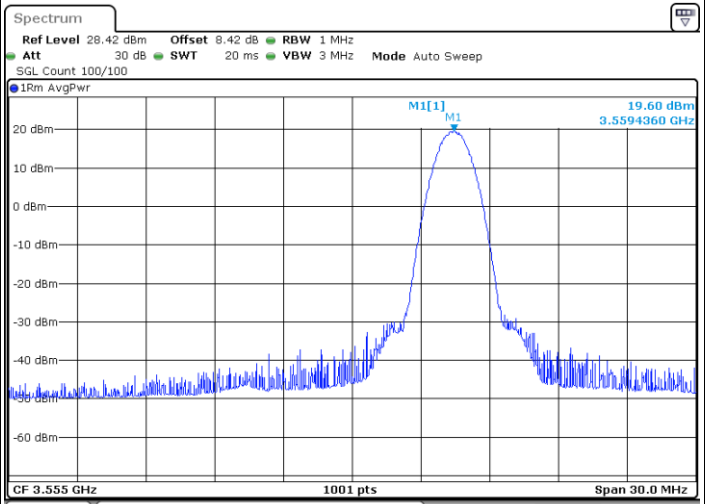
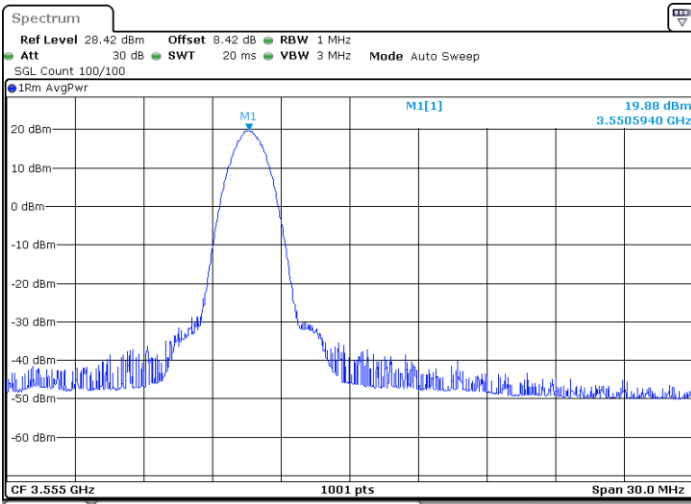


LTE Band 48 / 10MHz

16QAM

Lowest Channel / 1RB0

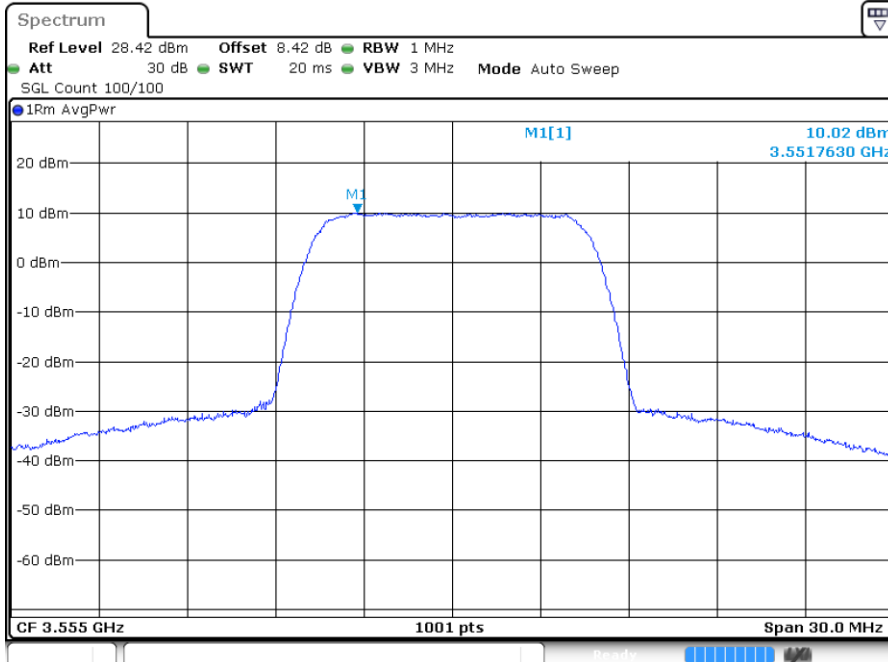
Lowest Channel / 1RBmax



Date: 27 JUN 2023 12:46:41

Date: 27 JUN 2023 12:49:20

Lowest Channel / Full RB



Date: 27 JUN 2023 12:50:52

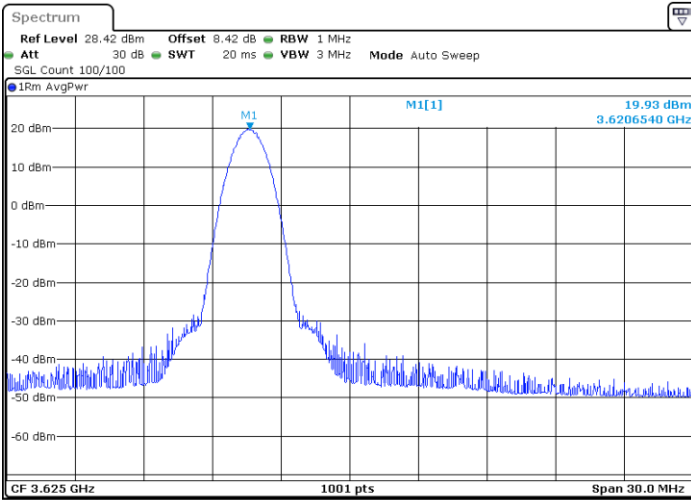


LTE Band 48 / 10MHz

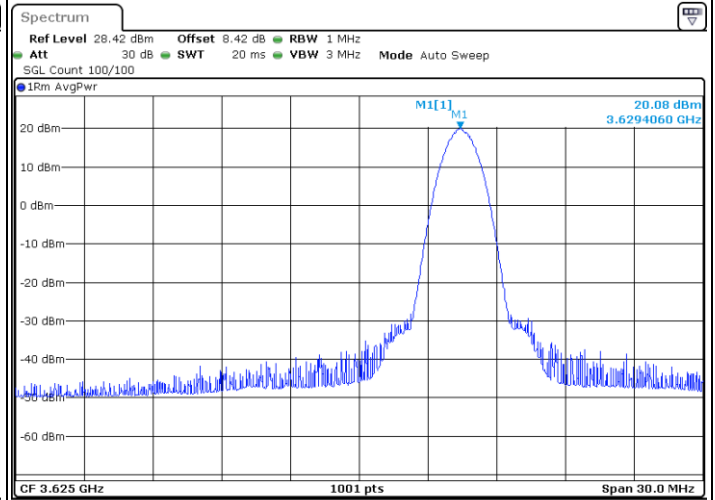
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

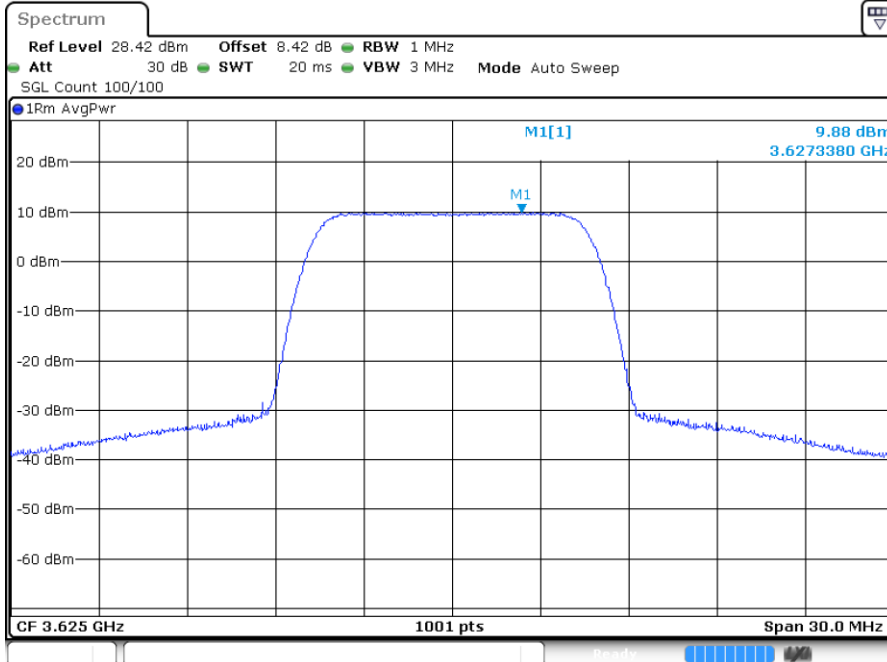


Date: 27 JUN 2023 12:53:19



Date: 27 JUN 2023 12:55:19

Middle Channel / Full RB



Date: 27 JUN 2023 12:57:49

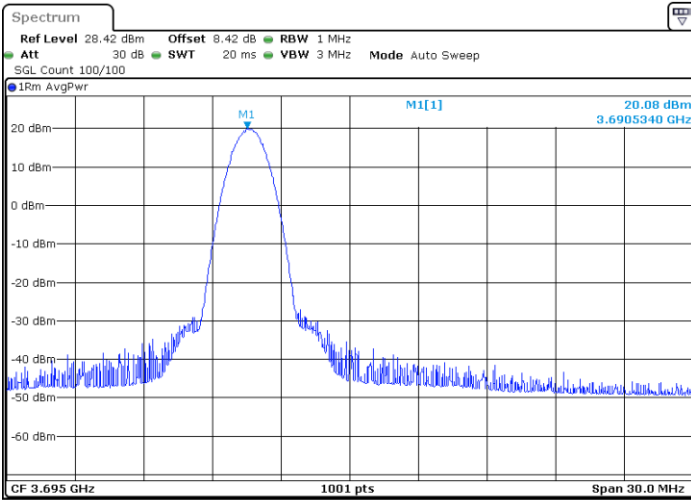


LTE Band 48 / 10MHz

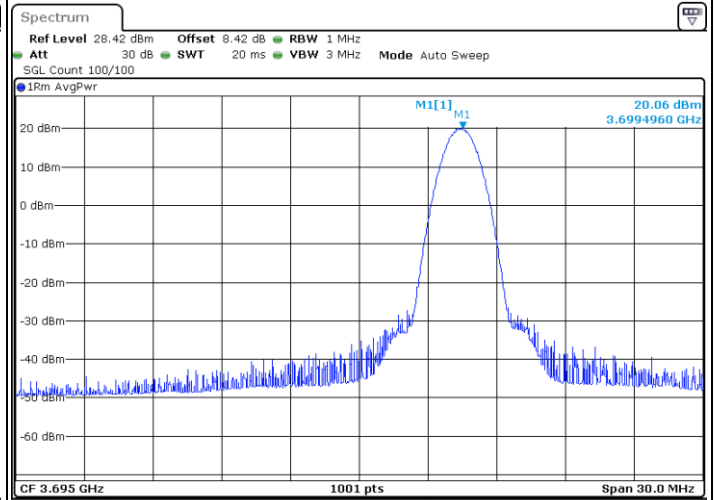
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

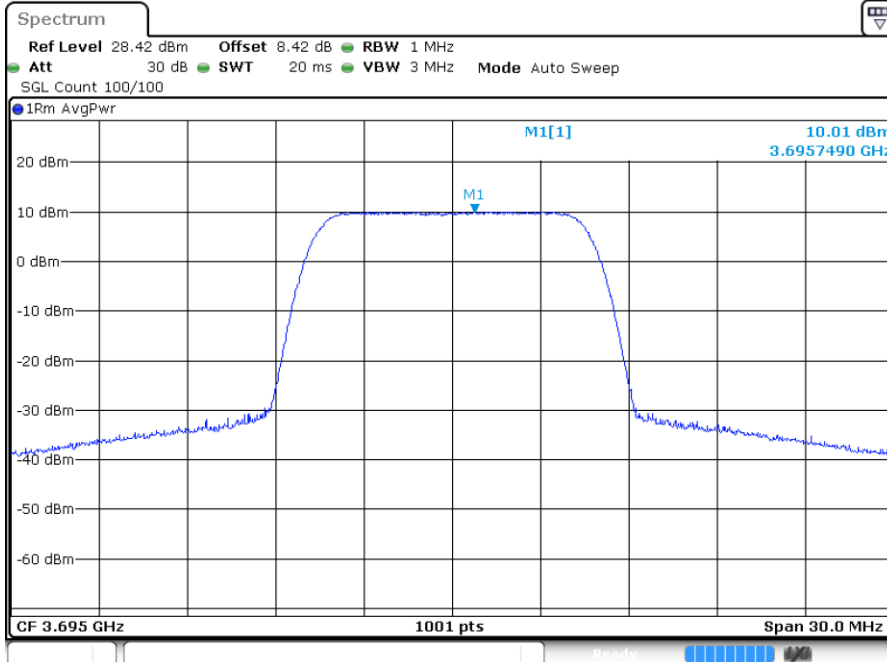


Date: 27 JUN 2023 12:58:20



Date: 27 JUN 2023 13:01:58

Highest Channel / Full RB



Date: 27 JUN 2023 13:03:31

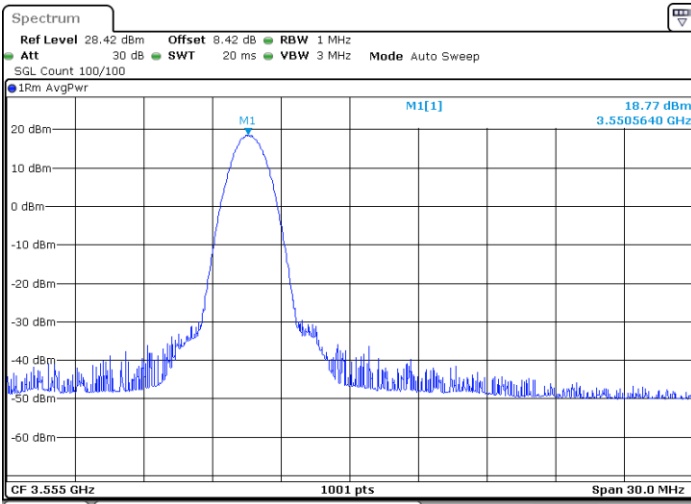


LTE Band 48 / 10MHz

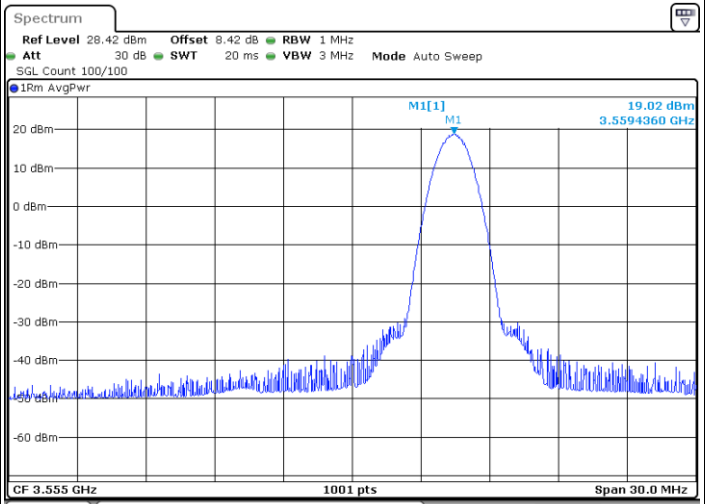
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

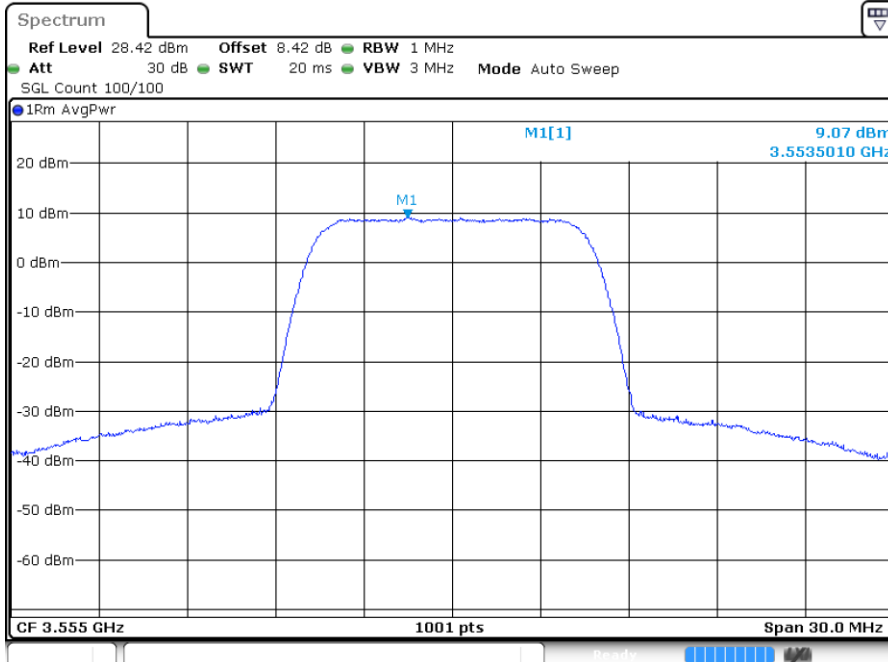


Date: 27 JUN 2023 12:47:12



Date: 27 JUN 2023 12:48:50

Lowest Channel / Full RB



Date: 27 JUN 2023 12:51:23

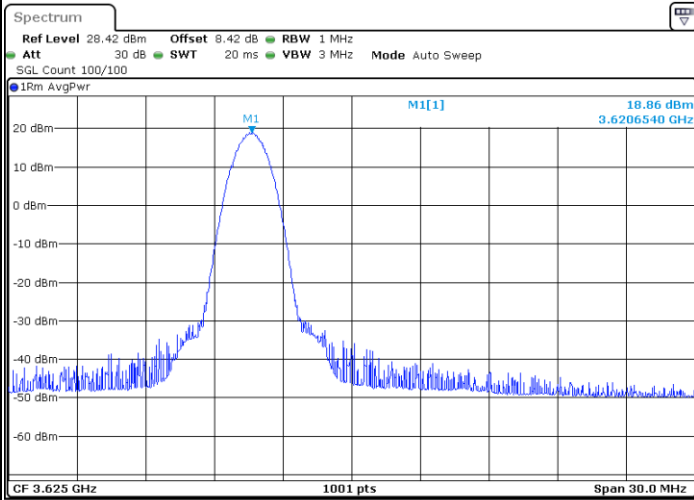


LTE Band 48 / 10MHz

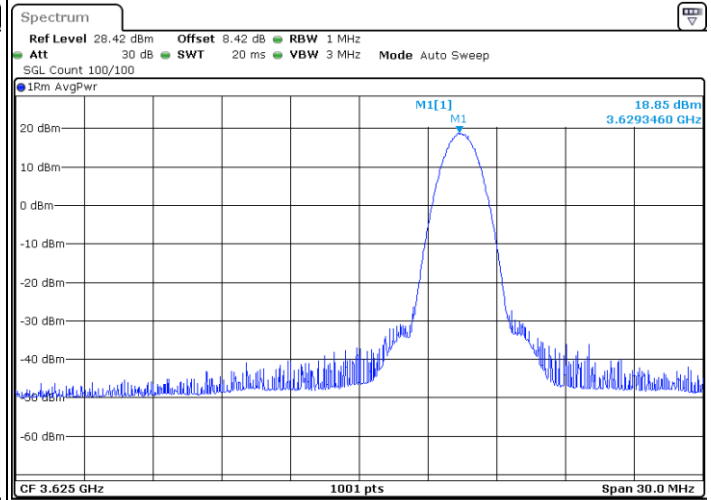
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

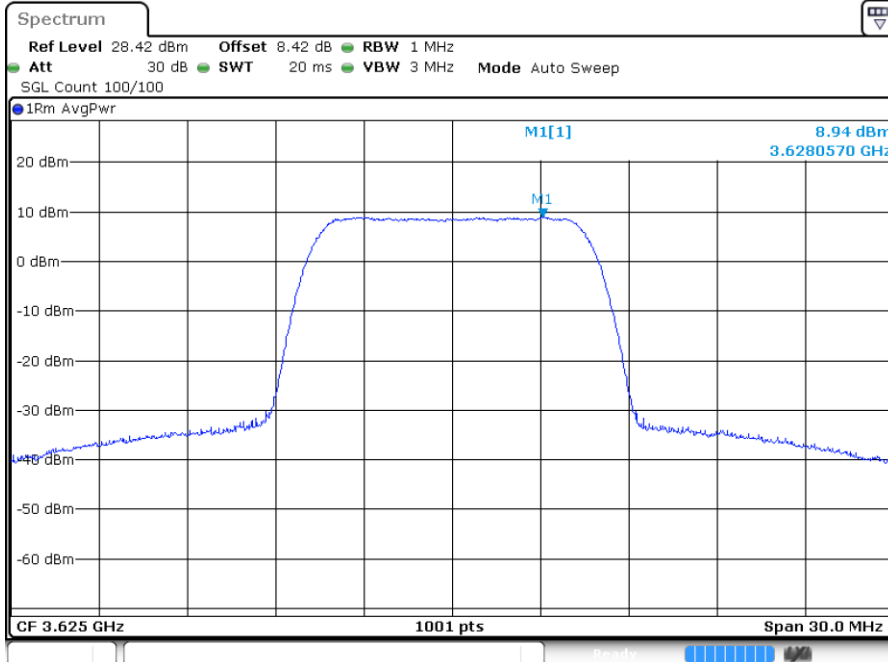


Date: 27 JUN 2023 12:53:49



Date: 27 JUN 2023 12:55:49

Middle Channel / Full RB



Date: 27 JUN 2023 12:57:19



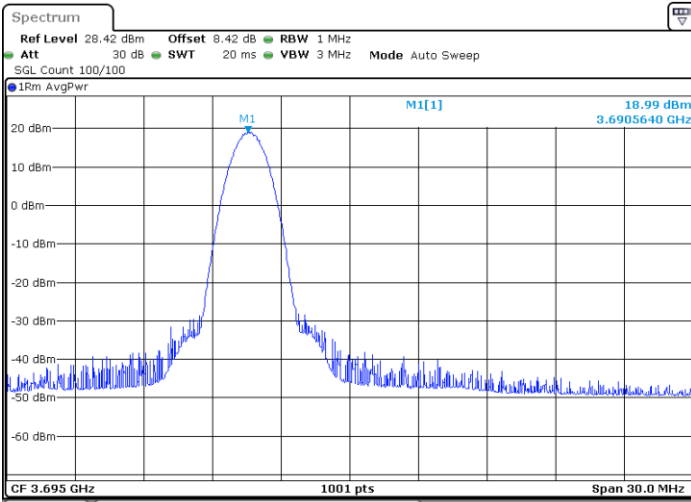


LTE Band 48 / 10MHz

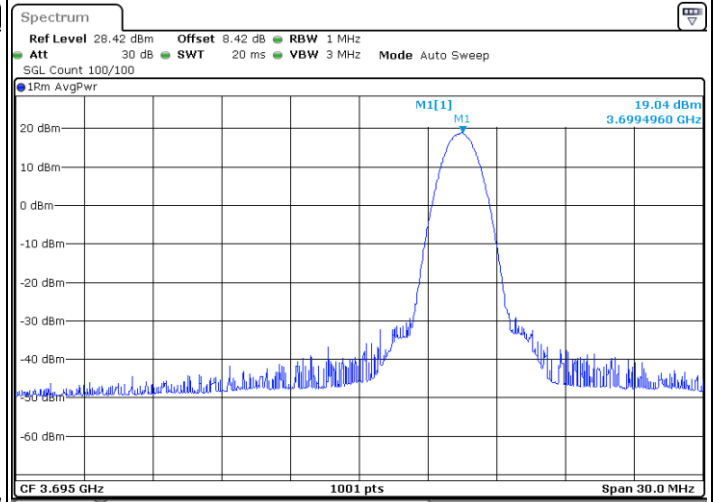
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

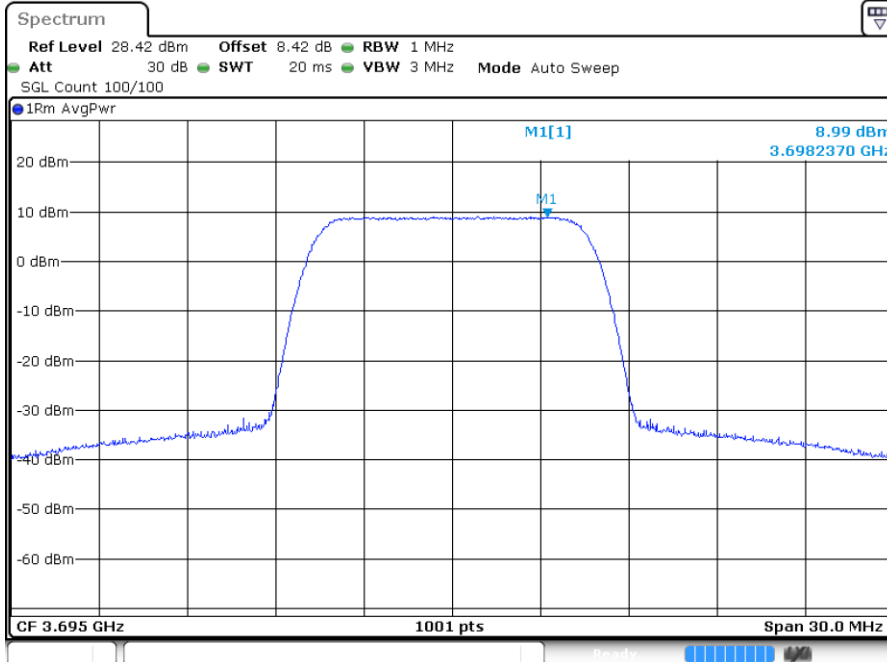


Date: 27 JUN 2023 12:59:51



Date: 27 JUN 2023 13:01:28

Highest Channel / Full RB



Date: 27 JUN 2023 13:04:01

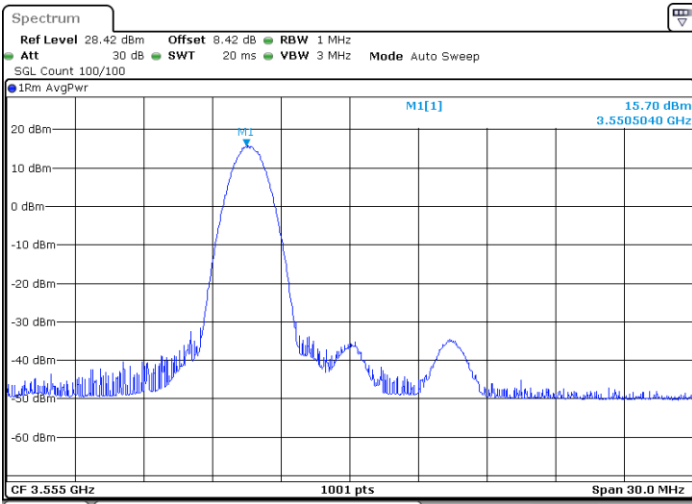


LTE Band 48 / 10MHz

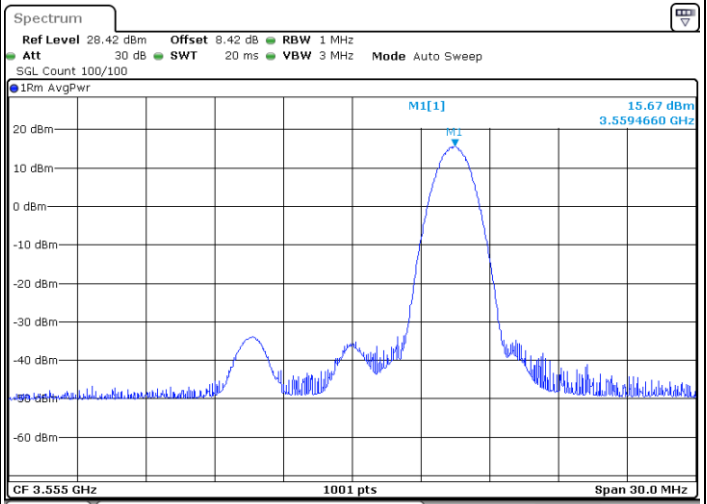
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

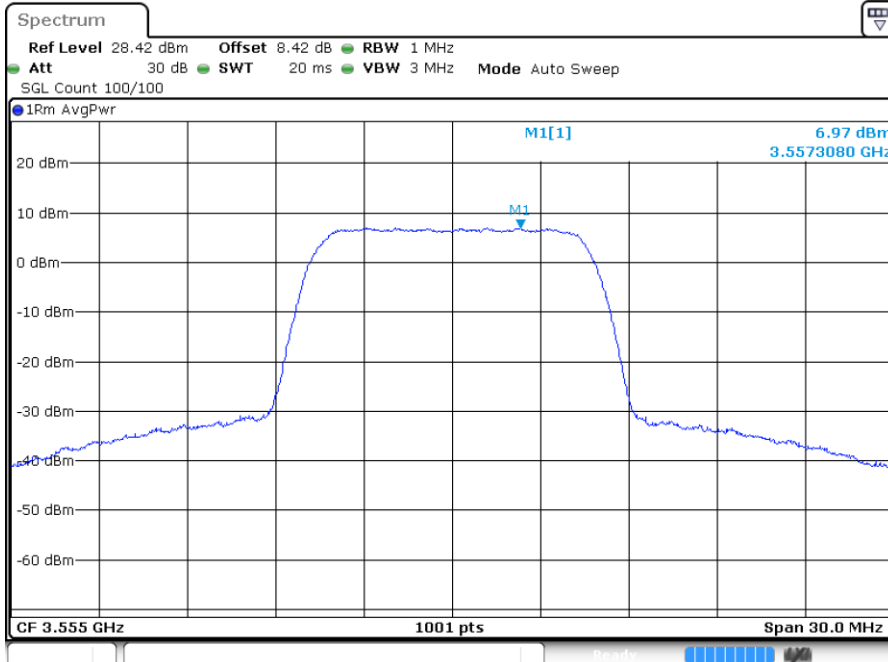


Date: 27 JUN 2023 12:47:43



Date: 27 JUN 2023 12:48:16

Lowest Channel / Full RB



Date: 27 JUN 2023 12:51:54

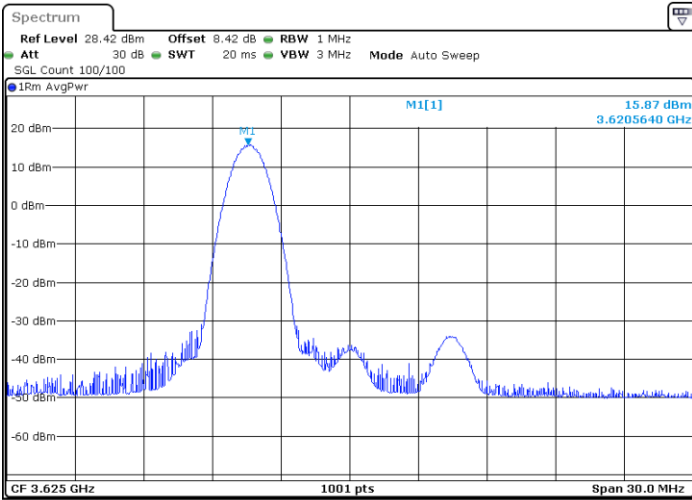


LTE Band 48 / 10MHz

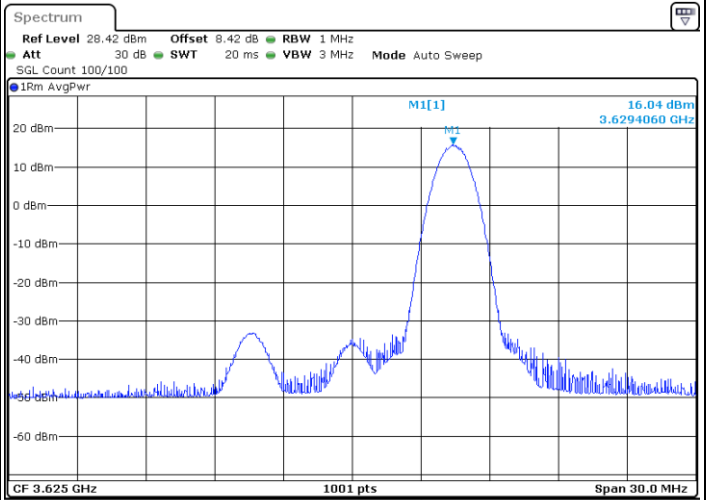
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

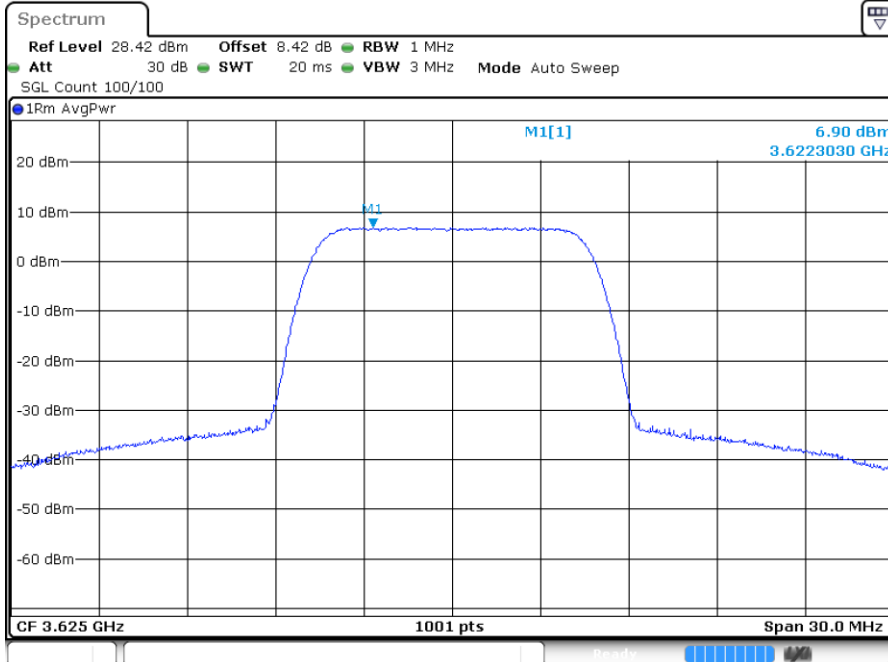


Date: 27 JUN 2023 12:54:19



Date: 27 JUN 2023 12:56:19

Middle Channel / Full RB



Date: 27 JUN 2023 12:56:49

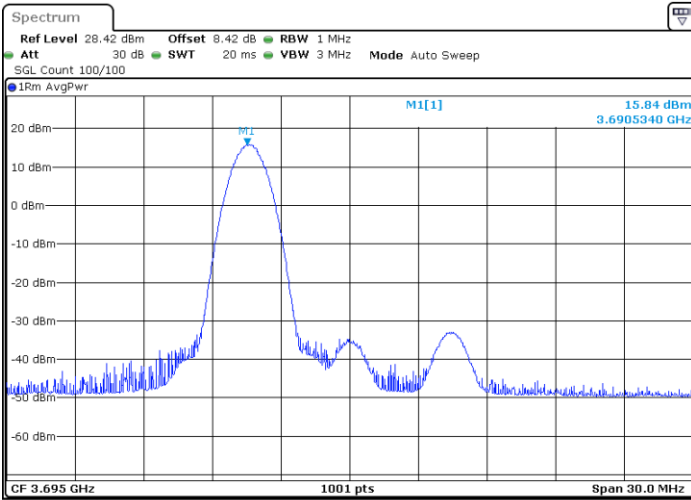


LTE Band 48 / 10MHz

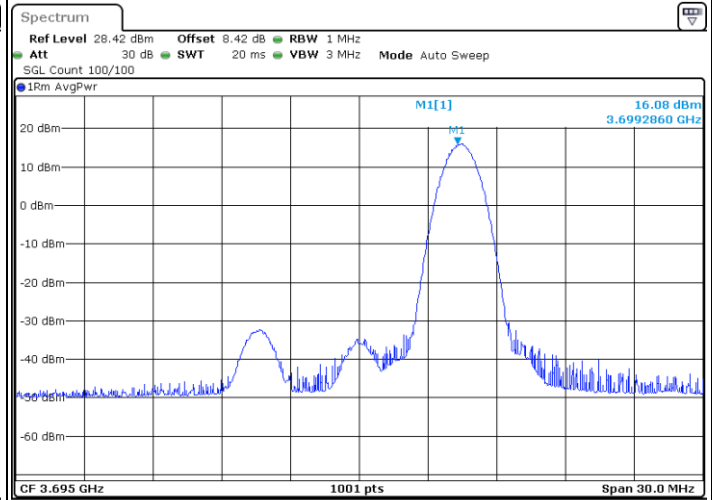
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

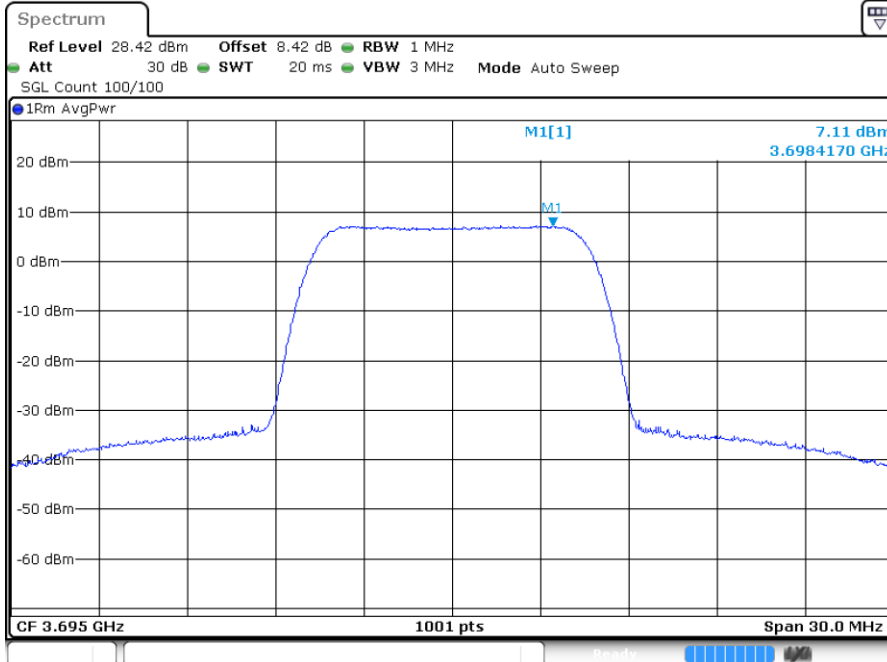


Date: 27 JUN 2023 13:00:21



Date: 27 JUN 2023 13:00:55

Highest Channel / Full RB



Date: 27 JUN 2023 13:04:32

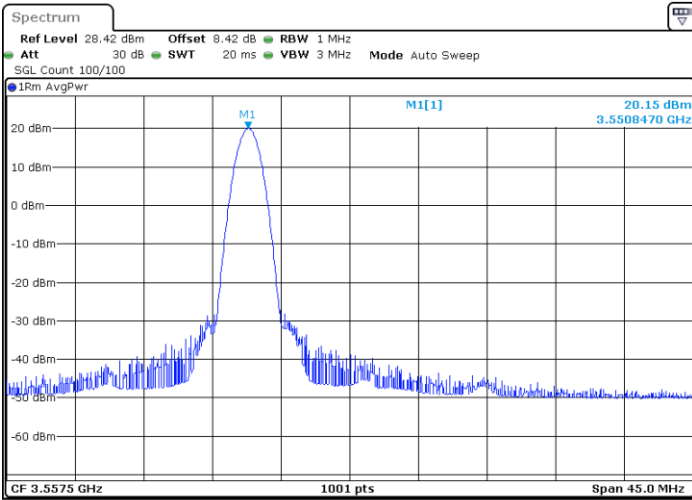


LTE Band 48 / 15MHz

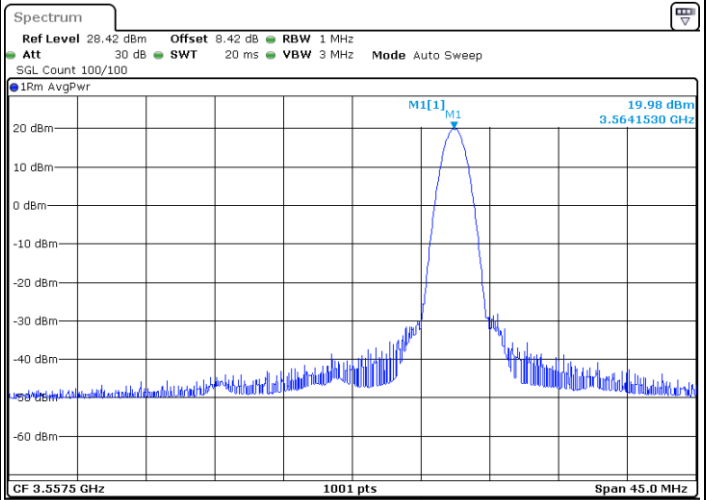
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

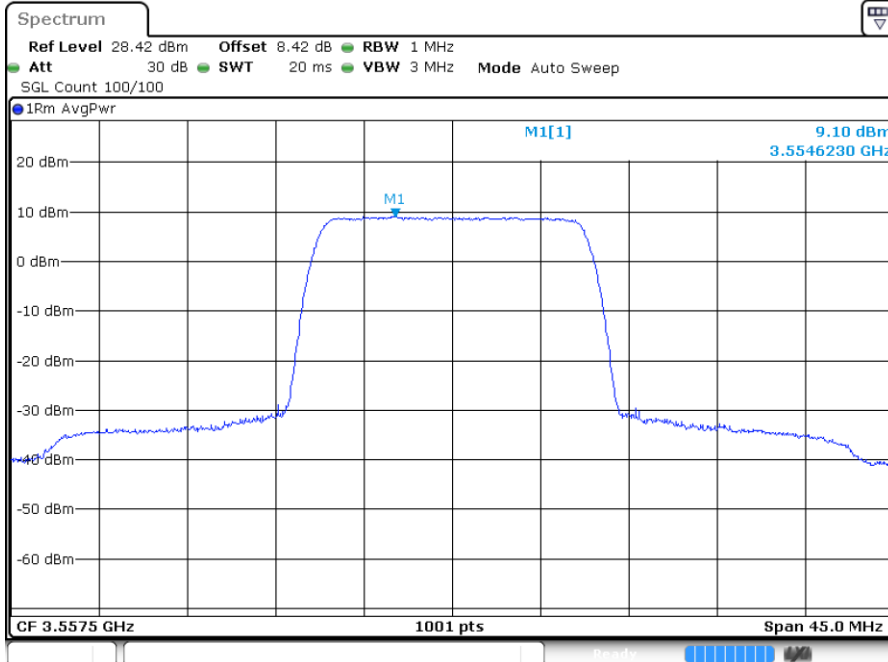


Date: 27 JUN 2023 13:10:40



Date: 27 JUN 2023 13:12:47

Lowest Channel / Full RB



Date: 27 JUN 2023 13:16:27

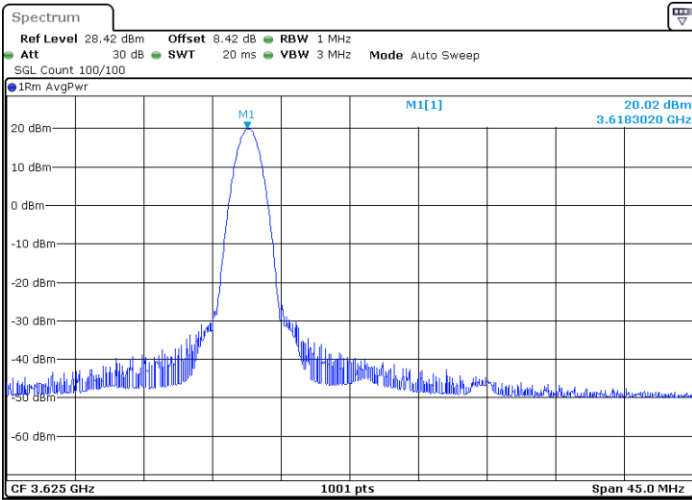


LTE Band 48 / 15MHz

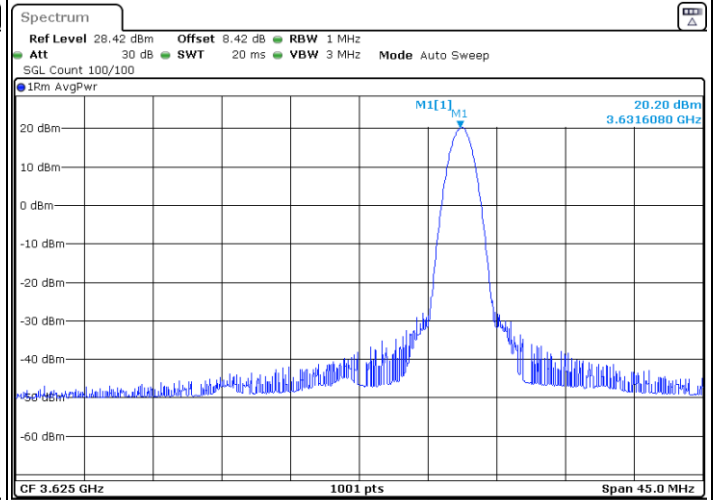
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax

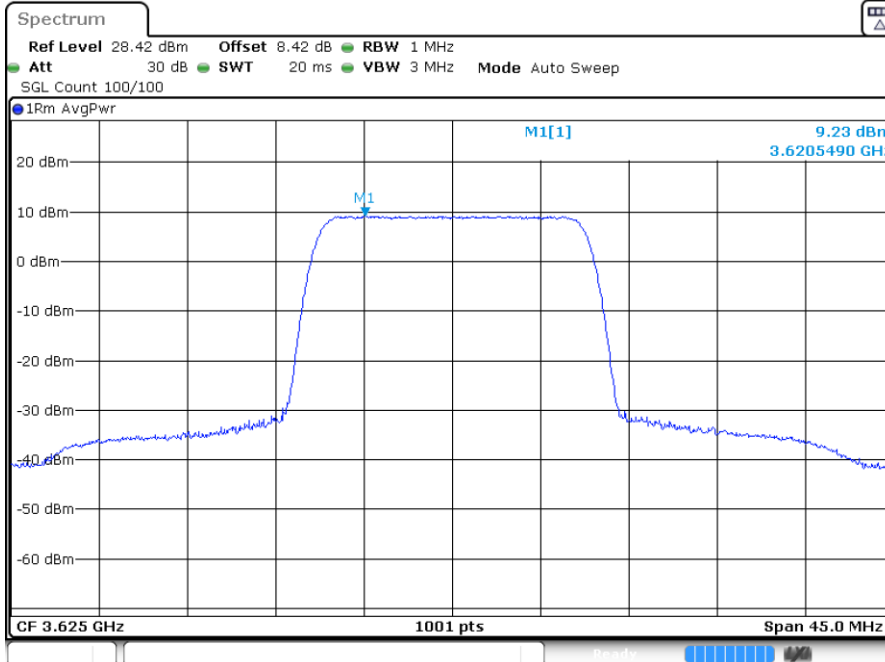


Date: 27 JUN 2023 13:16:58



Date: 29 JUN 2023 13:53:33

Middle Channel / Full RB



Date: 29 JUN 2023 13:54:03

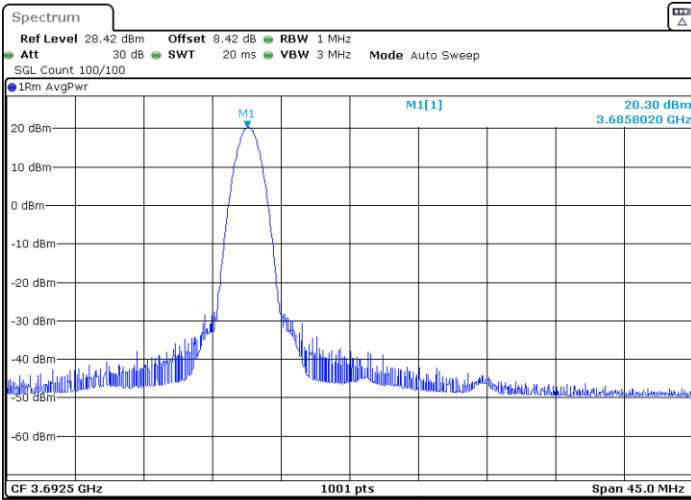


LTE Band 48 / 15MHz

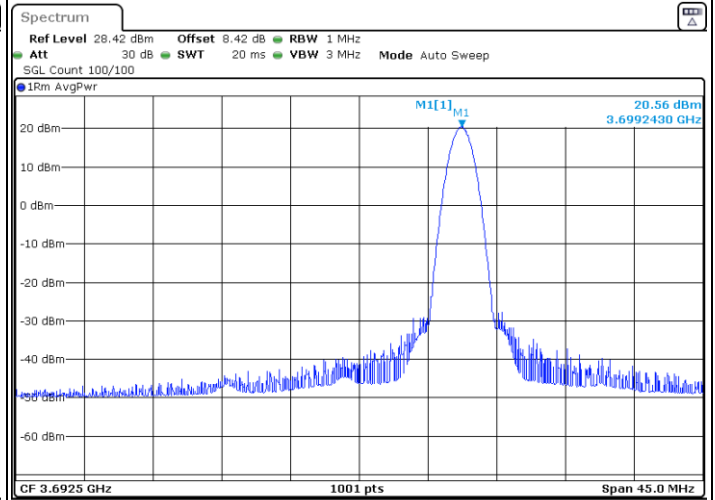
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

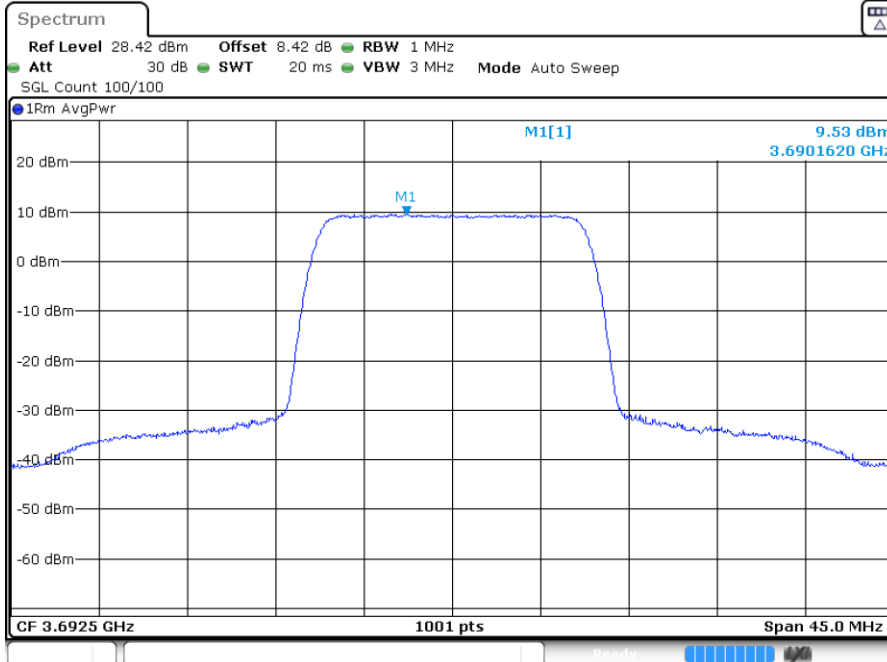


Date: 29 JUN 2023 13:56:04



Date: 29 JUN 2023 14:03:48

Highest Channel / Full RB



Date: 29 JUN 2023 14:04:19

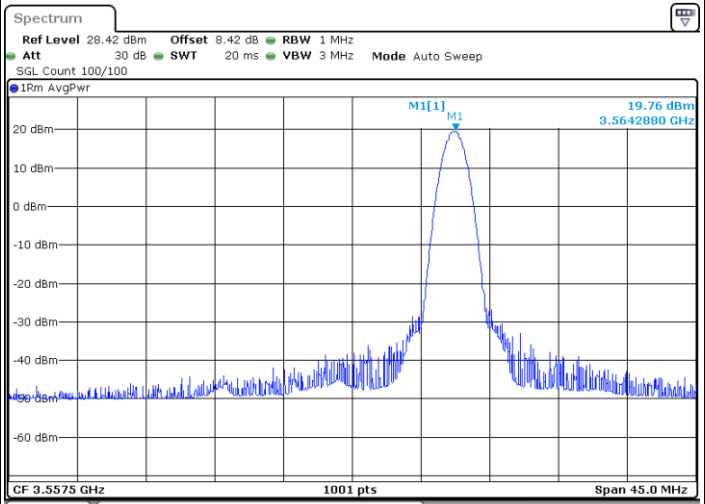
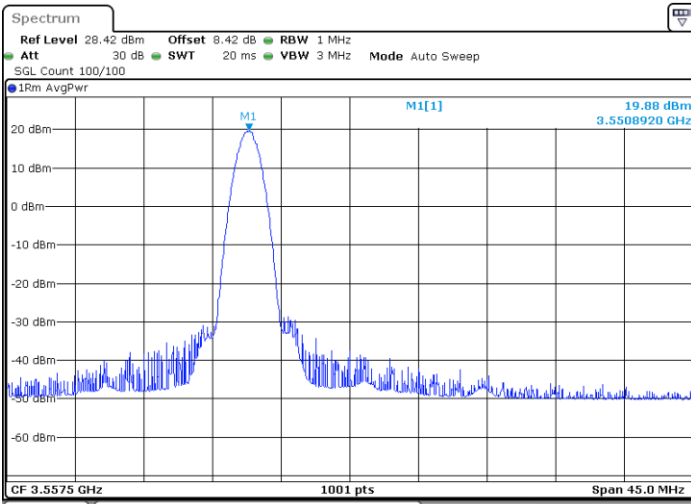


LTE Band 48 / 15MHz

16QAM

Lowest Channel / 1RB0

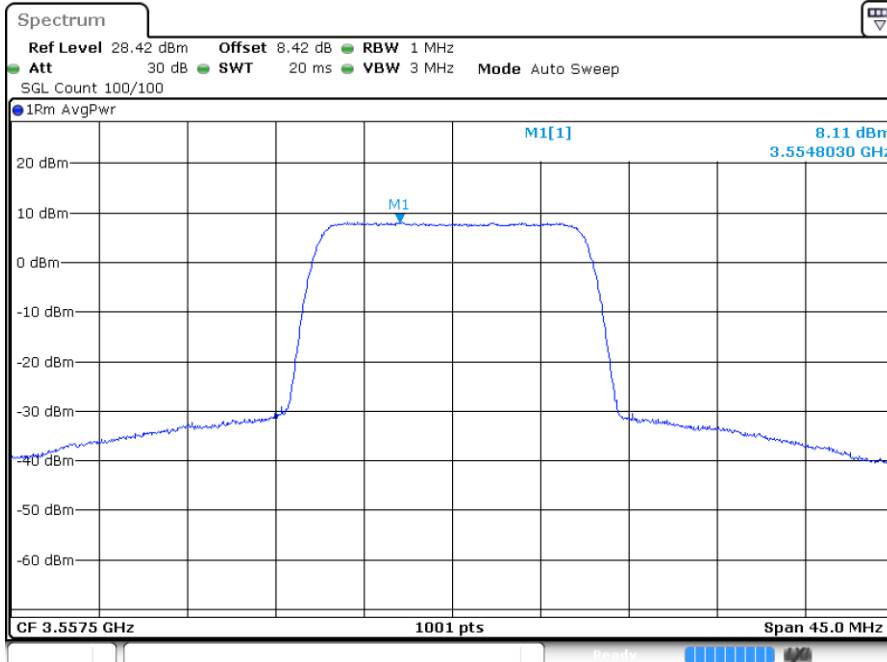
Lowest Channel / 1RBmax



Date: 27 JUN 2023 13:11:13

Date: 27 JUN 2023 13:13:18

Lowest Channel / Full RB



Date: 27 JUN 2023 13:15:57



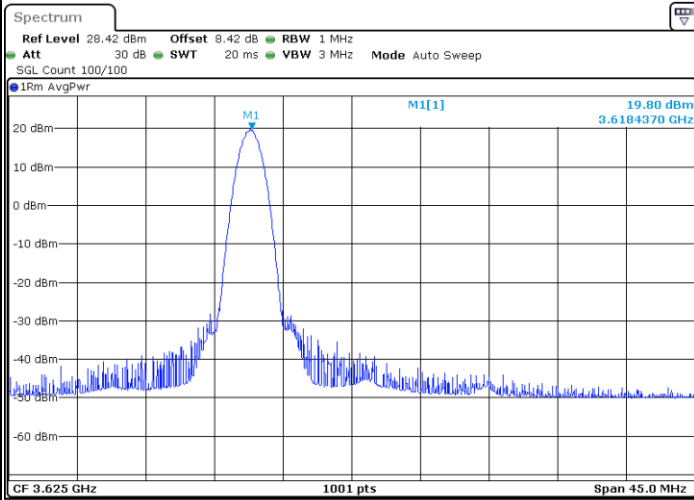


LTE Band 48 / 15MHz

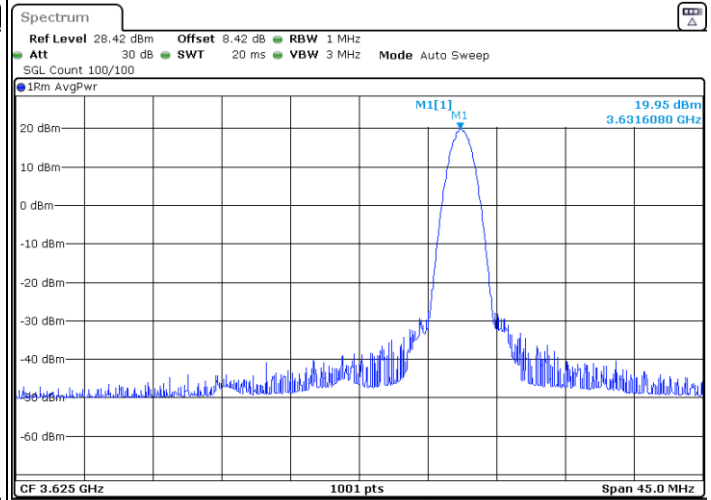
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

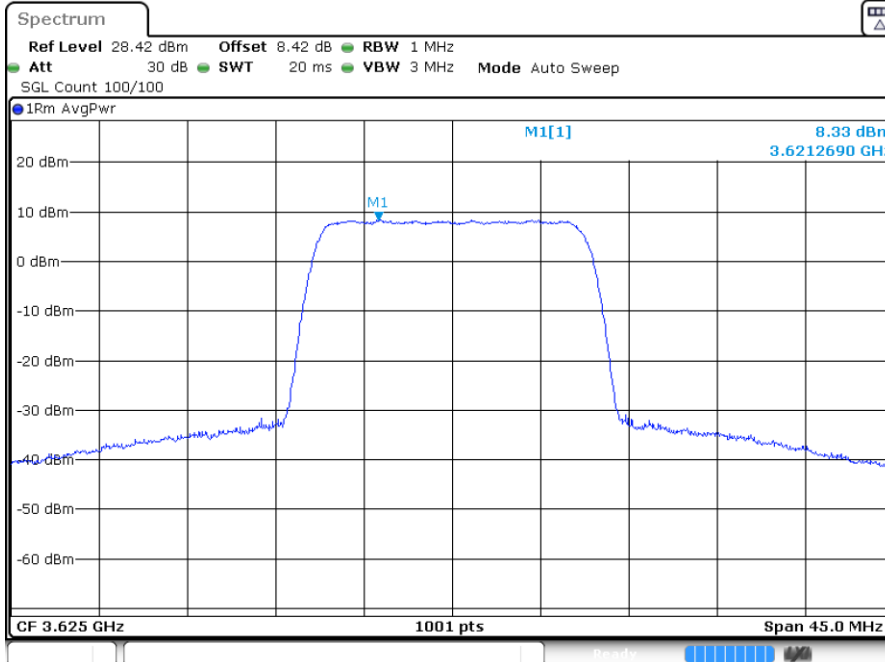


Date: 27 JUN 2023 13:17:28



Date: 29 JUN 2023 13:53:03

Middle Channel / Full RB



Date: 29 JUN 2023 13:54:33

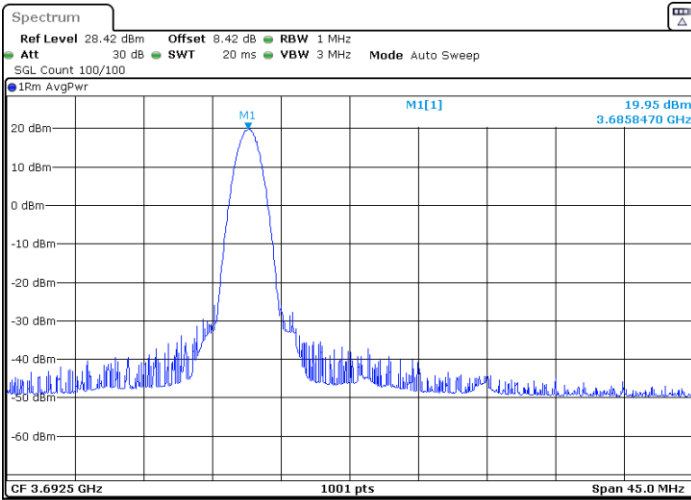


LTE Band 48 / 15MHz

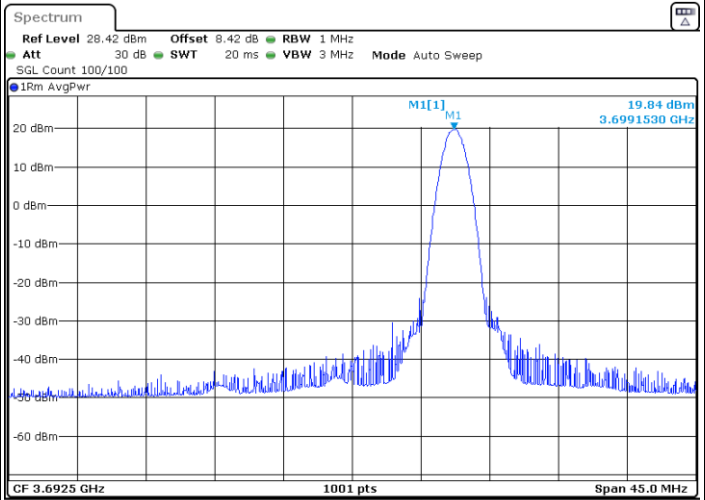
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

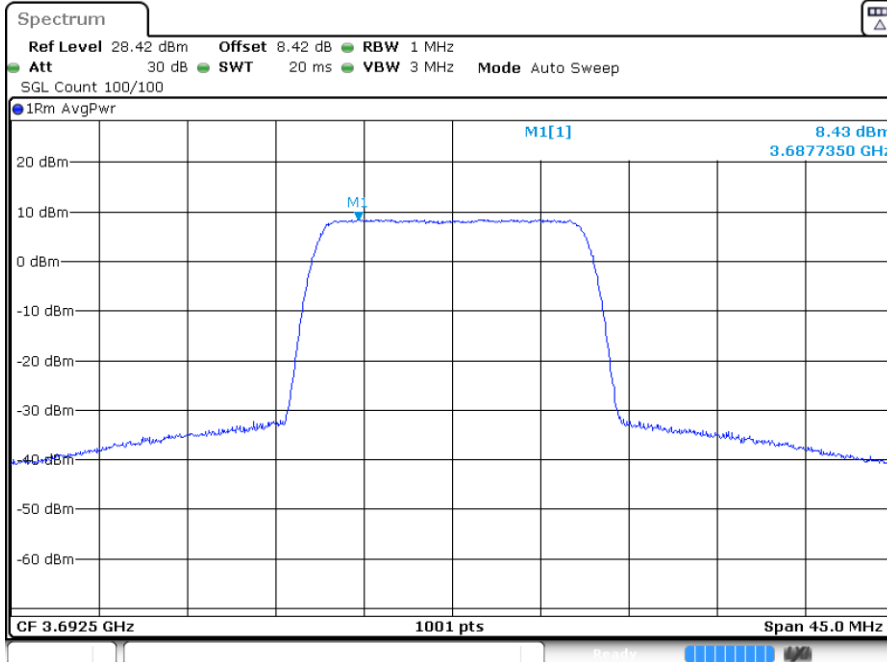


Date: 29 JUN 2023 13:56:34



Date: 29 JUN 2023 14:03:18

Highest Channel / Full RB



Date: 29 JUN 2023 14:04:49

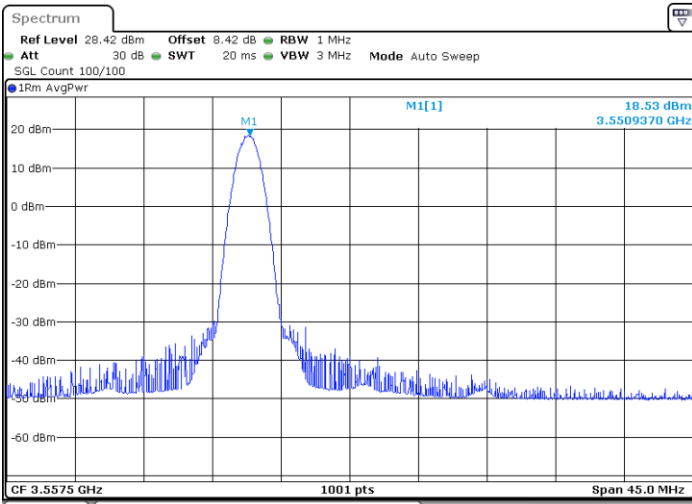


LTE Band 48 / 15MHz

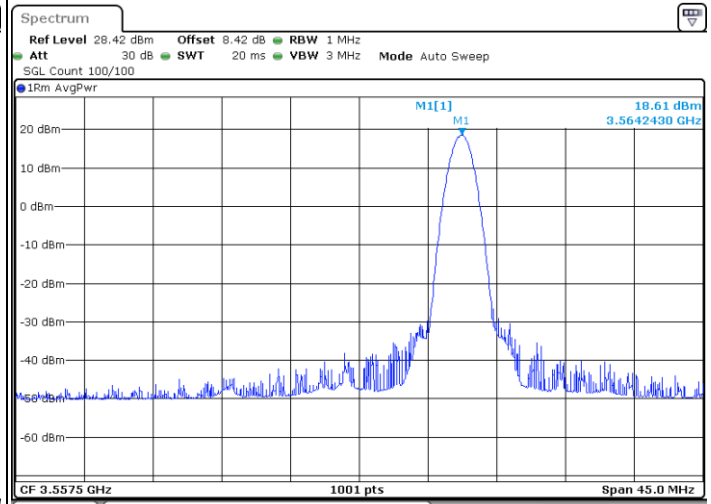
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

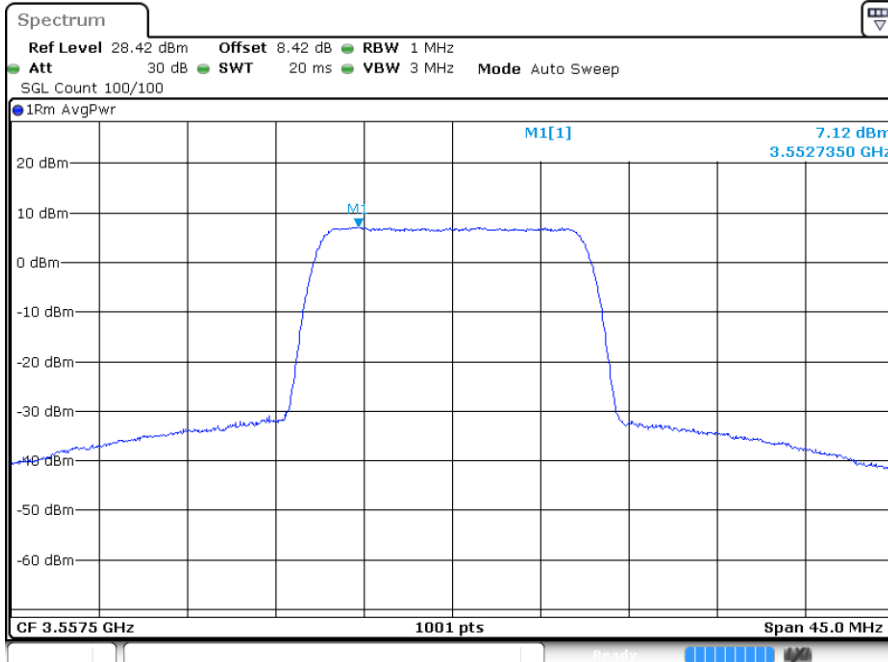


Date: 27 JUN 2023 13:11:43



Date: 27 JUN 2023 13:13:49

Lowest Channel / Full RB



Date: 27 JUN 2023 13:15:26

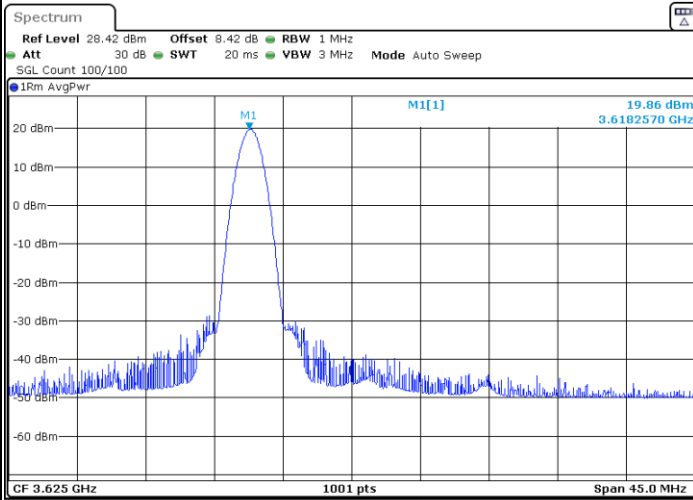


LTE Band 48 / 15MHz

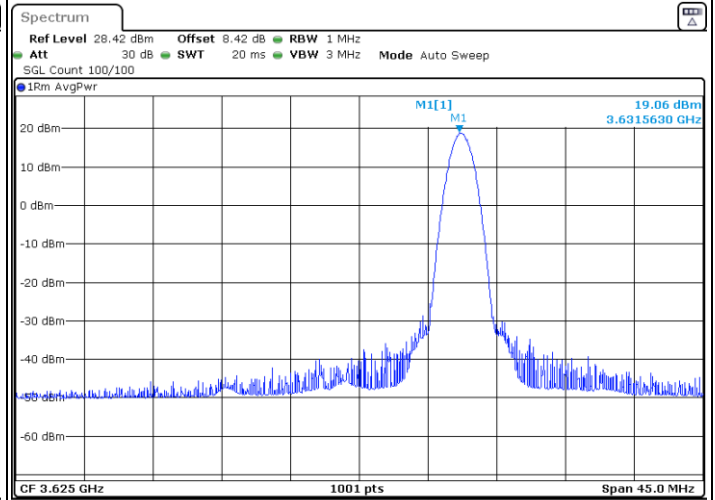
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

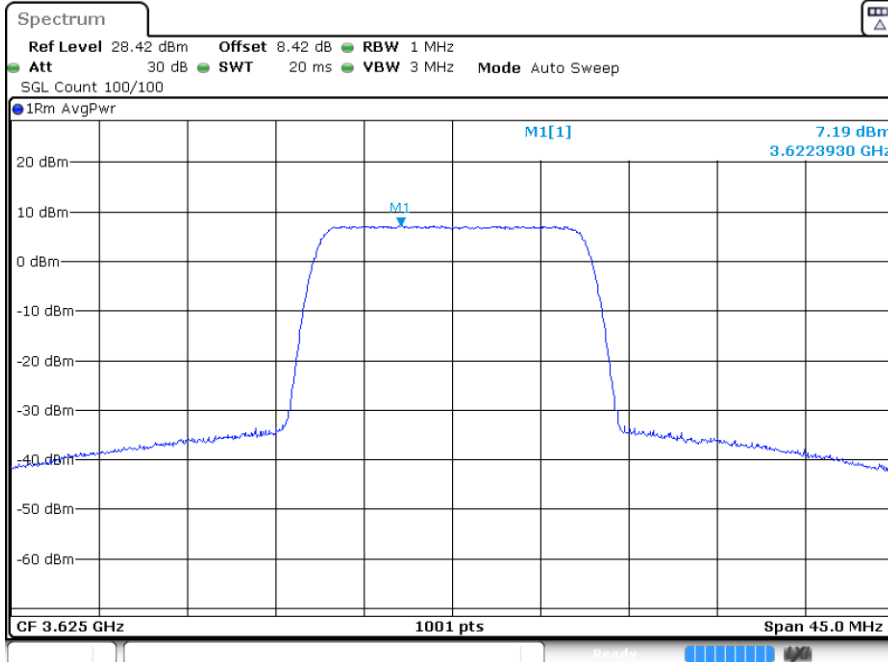


Date: 29 JUN 2023 13:51:04



Date: 29 JUN 2023 13:52:33

Middle Channel / Full RB



Date: 29 JUN 2023 13:55:03