

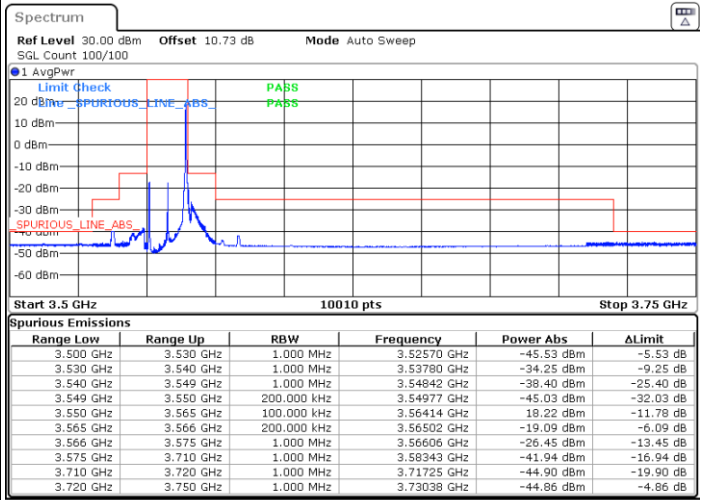
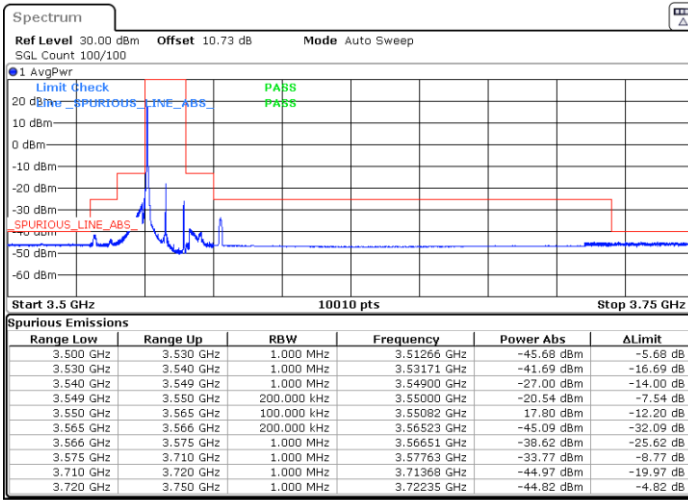


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

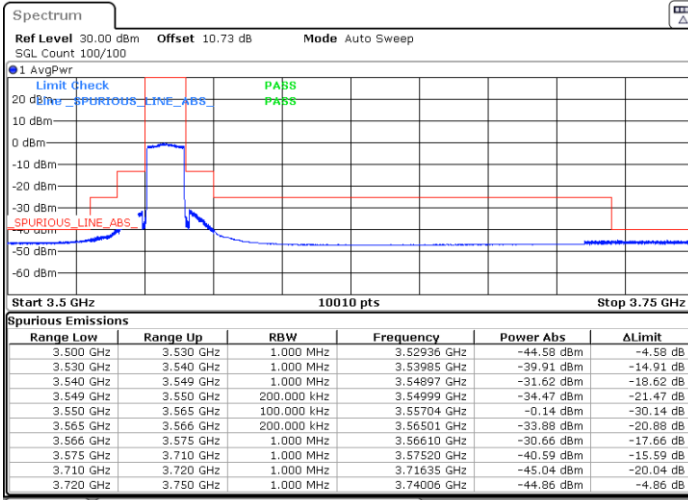


Date: 7. JAN. 2023 06:19:03

Date: 7. JAN. 2023 06:24:28

Lowest Channel / FullIRB

N/A



Date: 7. JAN. 2023 06:26:27

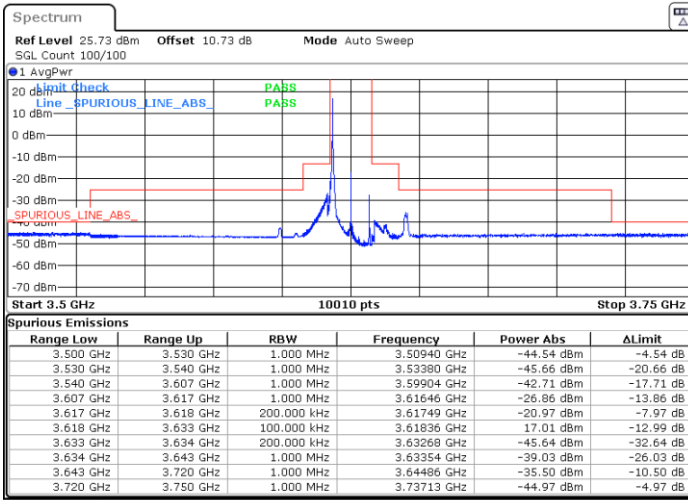


LTE Band 48 / 15MHz

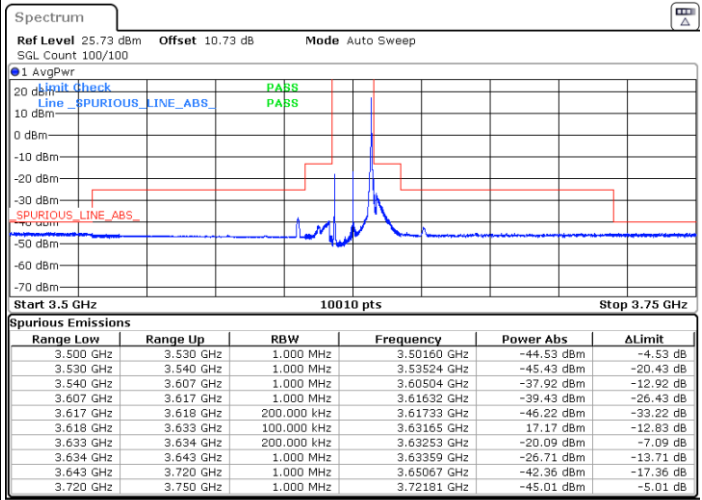
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



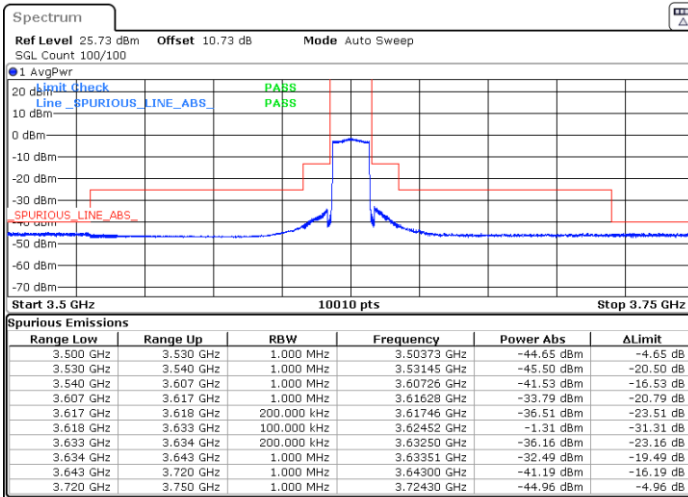
Date: 7. JAN. 2023 06:36:35



Date: 7. JAN. 2023 06:38:16

Middle Channel / FullIRB

N/A



Date: 7. JAN. 2023 06:46:38

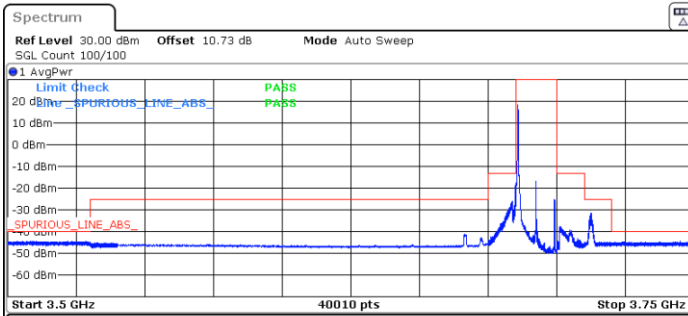


LTE Band 48 / 15MHz

64QAM

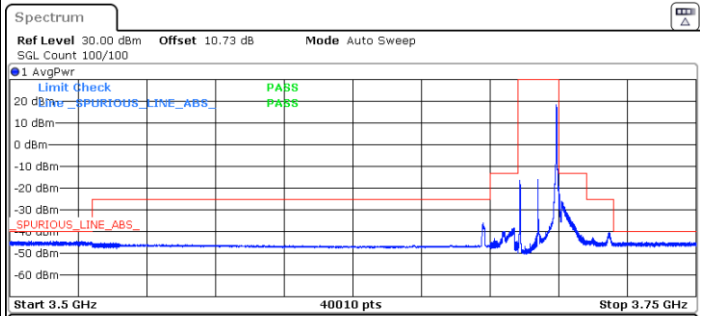
Highest Channel / 1RB0

Highest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50342 GHz	-44.43 dBm	-4.43 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53526 GHz	-45.26 dBm	-20.26 dB
3.540 GHz	3.675 GHz	1.000 MHz	3.66648 GHz	-41.36 dBm	-16.36 dB
3.675 GHz	3.684 GHz	1.000 MHz	3.68390 GHz	-26.06 dBm	-13.06 dB
3.684 GHz	3.685 GHz	200.000 kHz	3.68500 GHz	-18.02 dBm	-5.02 dB
3.685 GHz	3.700 GHz	100.000 kHz	3.68582 GHz	18.34 dBm	-11.66 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70025 GHz	-44.40 dBm	-31.40 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70137 GHz	-37.71 dBm	-24.71 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71233 GHz	-31.45 dBm	-6.45 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74479 GHz	-44.56 dBm	-4.56 dB

Date: 7. JAN. 2023 07:08:14

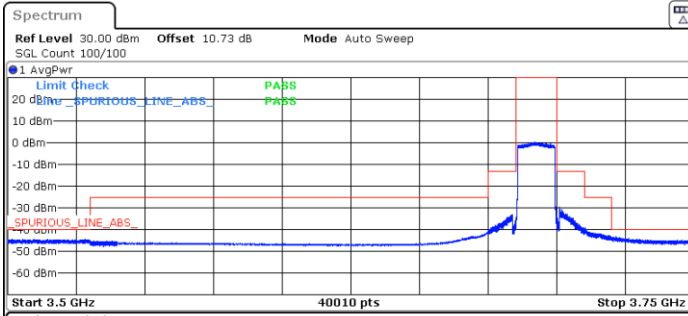


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50707 GHz	-44.44 dBm	-4.44 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53314 GHz	-45.02 dBm	-20.02 dB
3.540 GHz	3.675 GHz	1.000 MHz	3.67245 GHz	-36.16 dBm	-11.16 dB
3.675 GHz	3.684 GHz	1.000 MHz	3.68366 GHz	-38.42 dBm	-25.42 dB
3.684 GHz	3.685 GHz	200.000 kHz	3.68480 GHz	-44.41 dBm	-31.41 dB
3.685 GHz	3.700 GHz	100.000 kHz	3.69917 GHz	18.20 dBm	-11.80 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70000 GHz	-19.39 dBm	-6.39 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70102 GHz	-25.82 dBm	-12.82 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71830 GHz	-40.55 dBm	-15.55 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73783 GHz	-44.77 dBm	-4.77 dB

Date: 7. JAN. 2023 07:09:59

Highest Channel / FullIRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50947 GHz	-44.42 dBm	-4.42 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53606 GHz	-45.16 dBm	-20.16 dB
3.540 GHz	3.675 GHz	1.000 MHz	3.67495 GHz	-41.14 dBm	-16.14 dB
3.675 GHz	3.684 GHz	1.000 MHz	3.68395 GHz	-33.01 dBm	-20.01 dB
3.684 GHz	3.685 GHz	200.000 kHz	3.68497 GHz	-35.34 dBm	-22.34 dB
3.685 GHz	3.700 GHz	100.000 kHz	3.69201 GHz	0.26 dBm	-29.74 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70002 GHz	-33.08 dBm	-20.08 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70109 GHz	-29.57 dBm	-16.57 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71040 GHz	-39.23 dBm	-14.23 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72137 GHz	-43.38 dBm	-3.38 dB

Date: 7. JAN. 2023 07:19:01

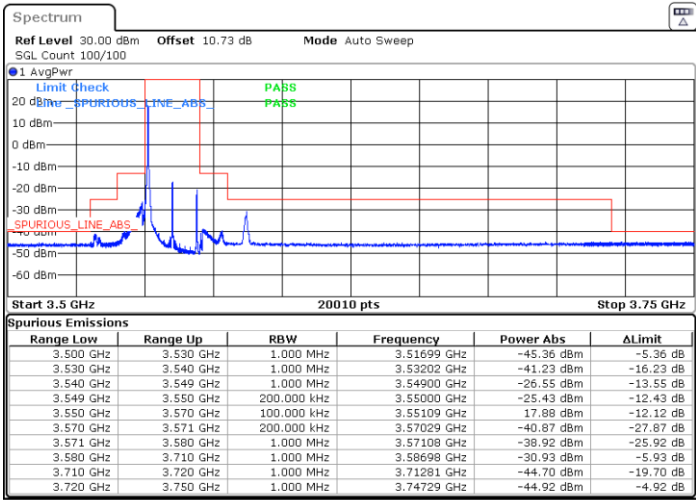


LTE Band 48 / 20MHz

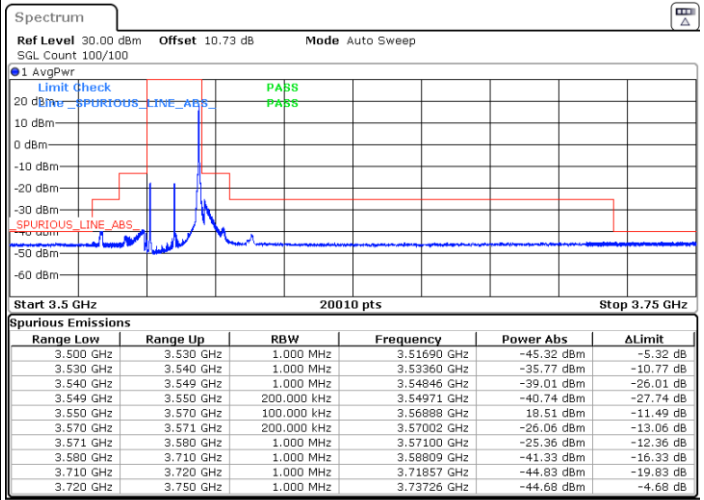
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



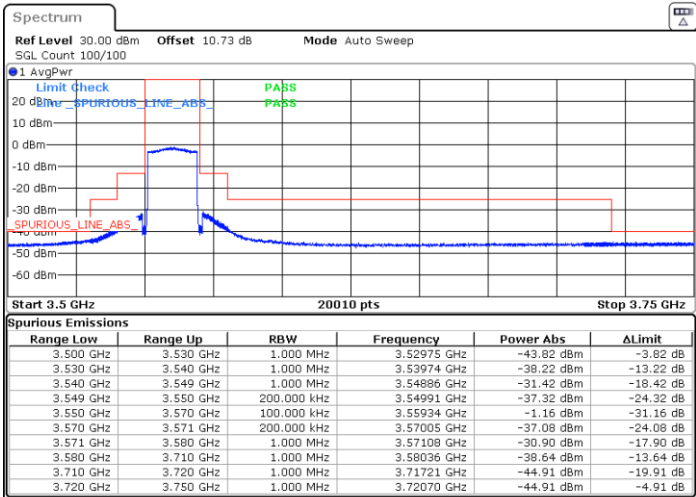
Date: 7. JAN. 2023 07:25:10



Date: 7. JAN. 2023 07:26:51

Lowest Channel / FullIRB

N/A



Date: 7. JAN. 2023 07:35:17

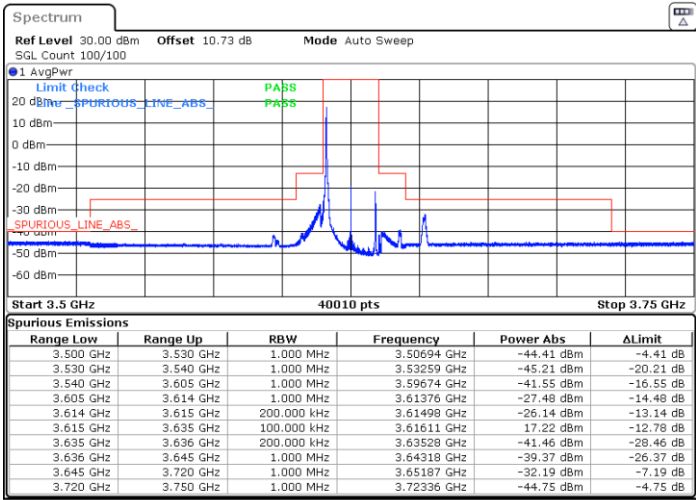


LTE Band 48 / 20MHz

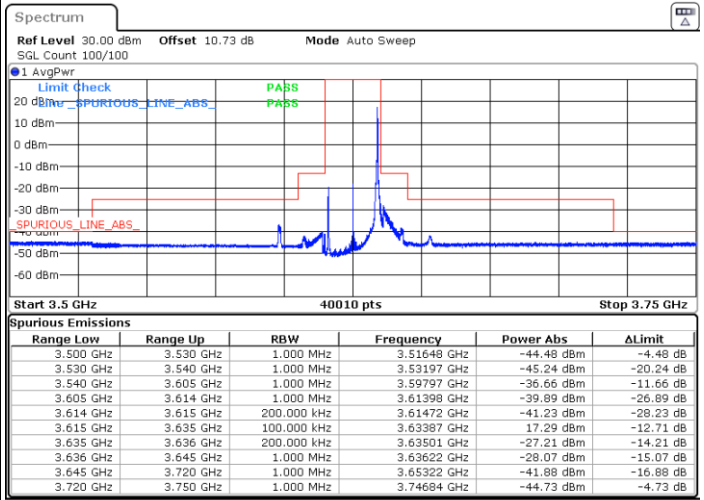
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



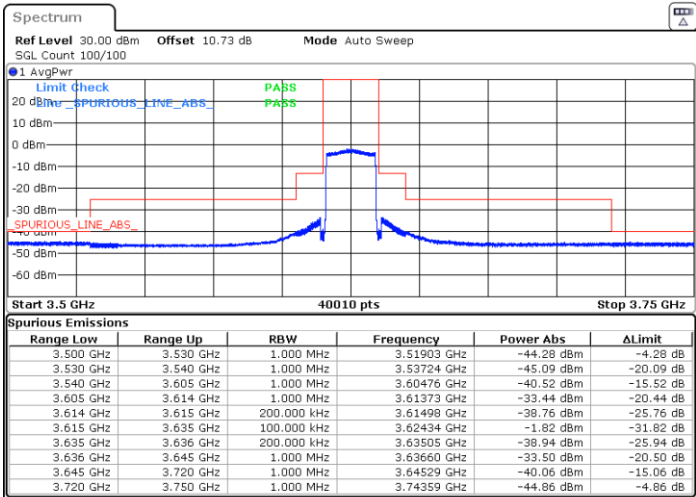
Date: 7. JAN. 2023 07:40:19



Date: 7. JAN. 2023 07:42:00

Middle Channel / FullIRB

N/A



Date: 7. JAN. 2023 07:50:23

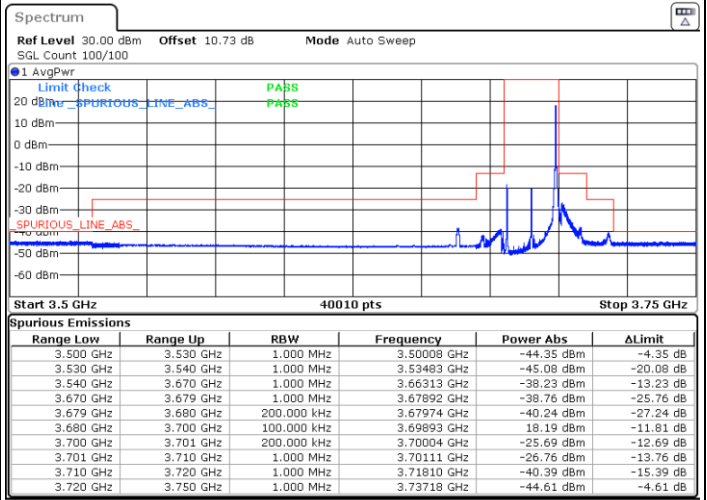
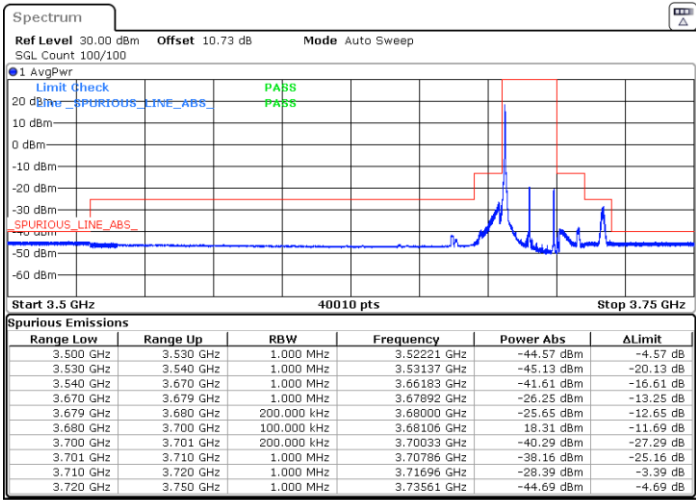


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

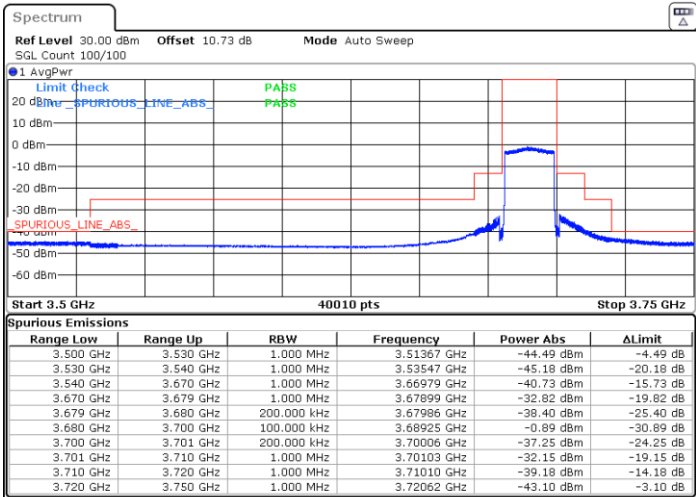


Date: 7. JAN. 2023 07:55:26

Date: 7. JAN. 2023 07:57:07

Highest Channel / FullIRB

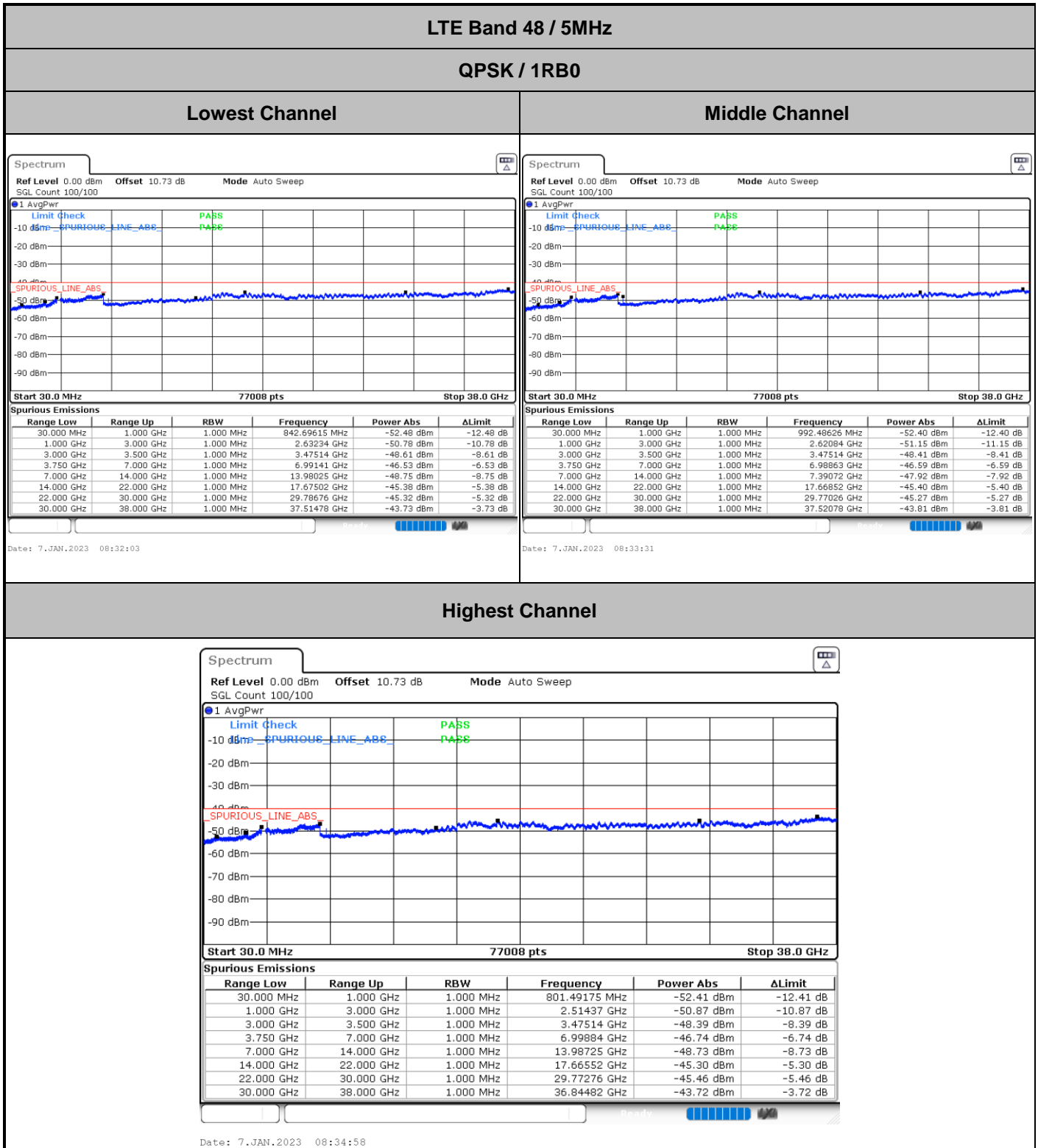
N/A



Date: 7. JAN. 2023 08:05:33



# Conducted Spurious Emission



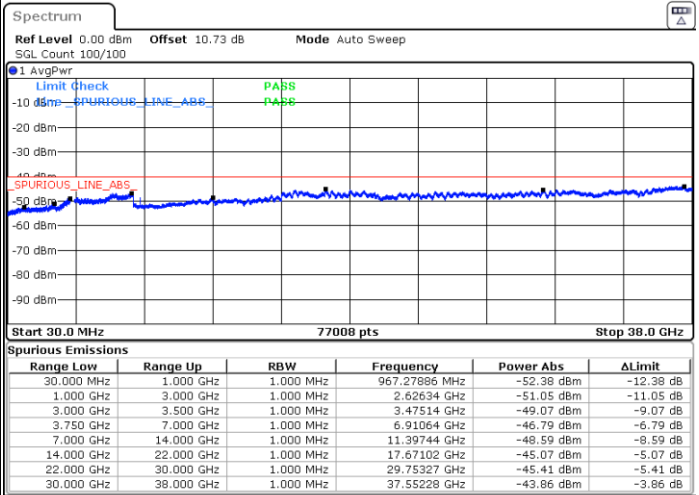
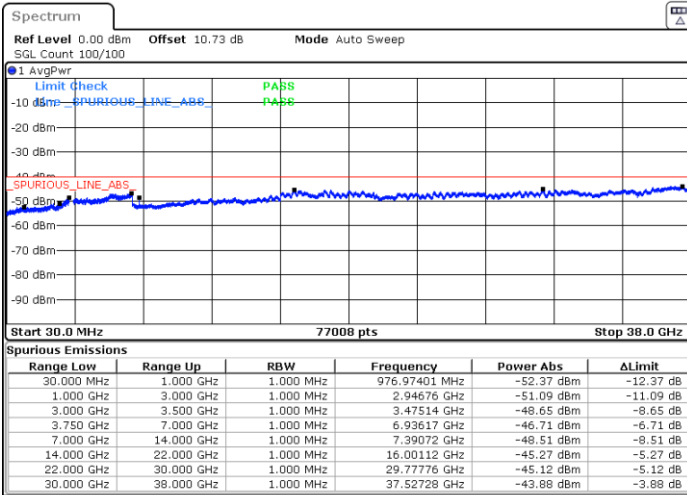


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

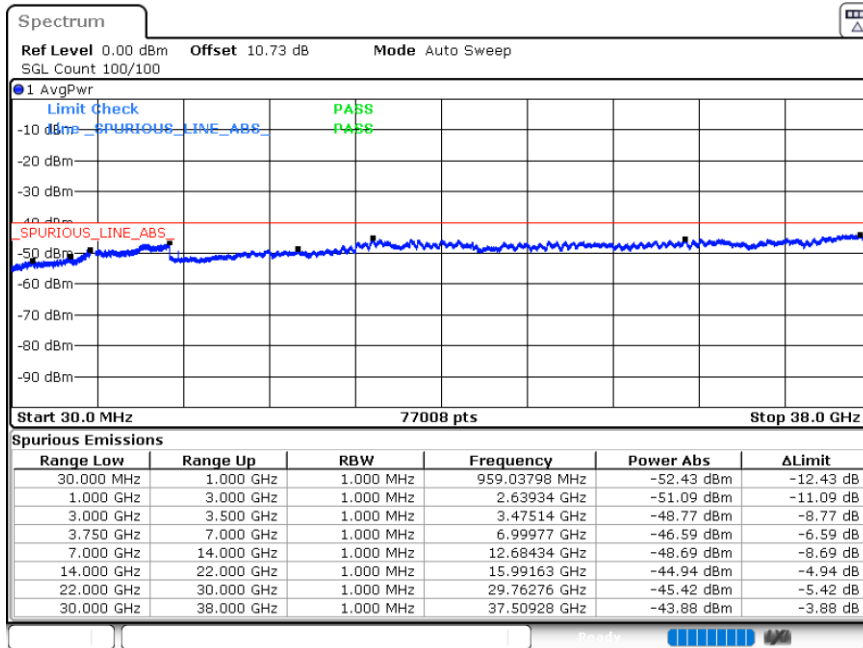
Middle Channel



Date: 7.JAN.2023 08:36:18

Date: 7.JAN.2023 08:38:34

Highest Channel



Date: 7.JAN.2023 08:43:01



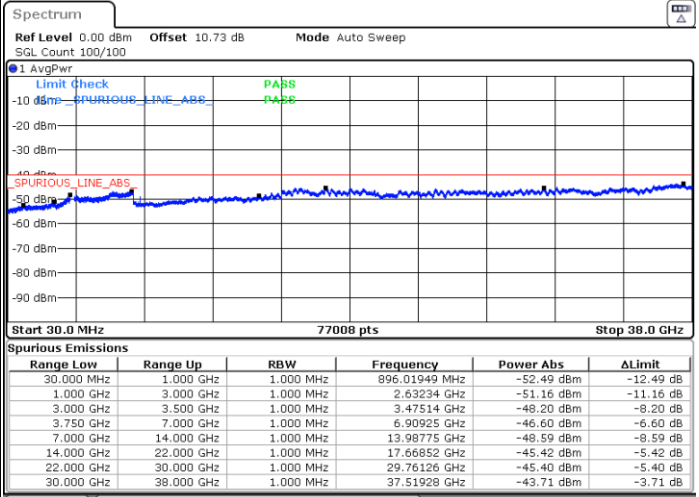
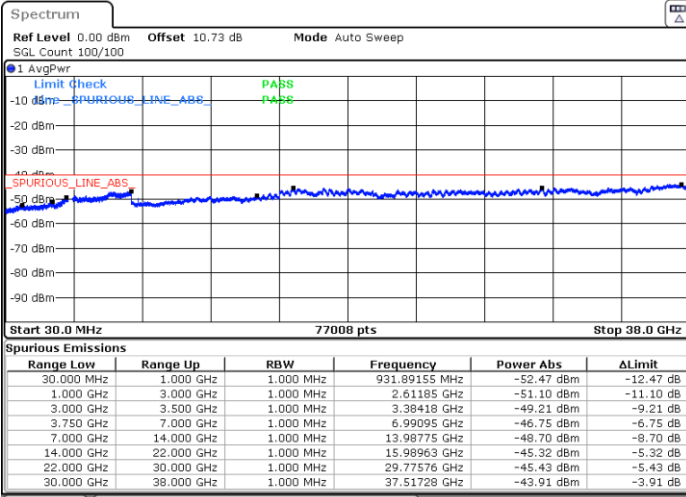


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

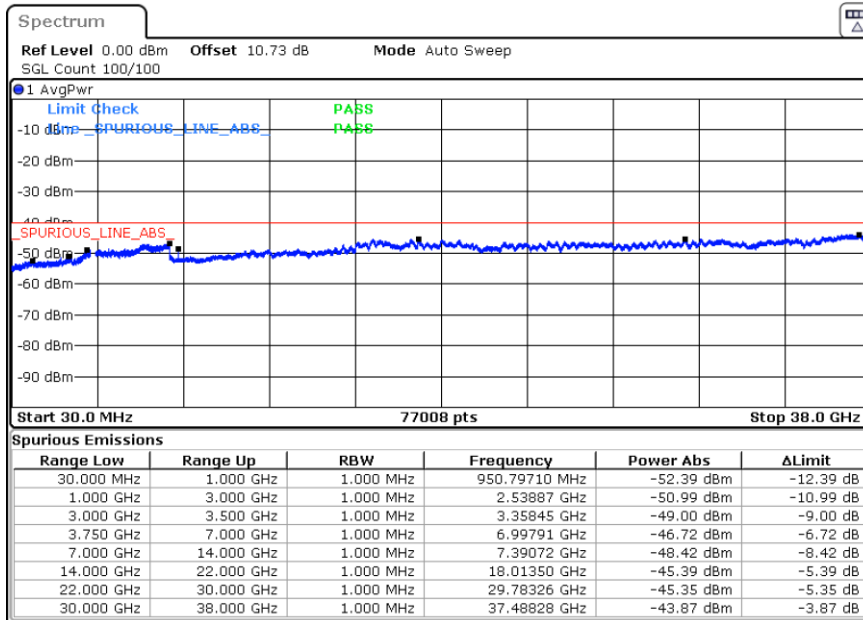
Middle Channel



Date: 7.JAN.2023 08:44:31

Date: 7.JAN.2023 08:45:50

Highest Channel



Date: 7.JAN.2023 08:47:05

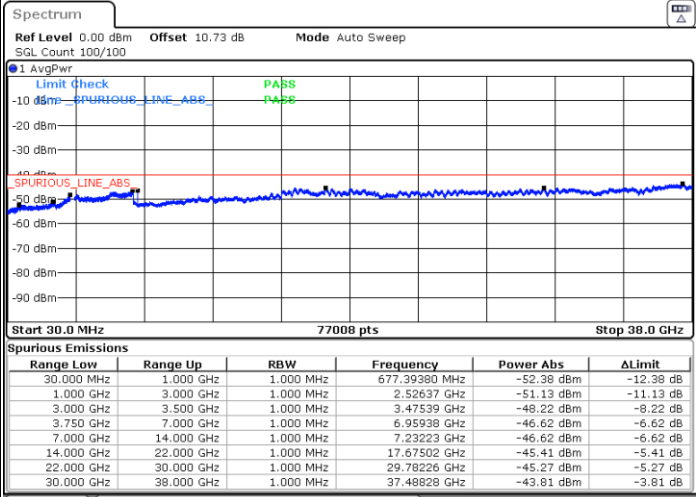
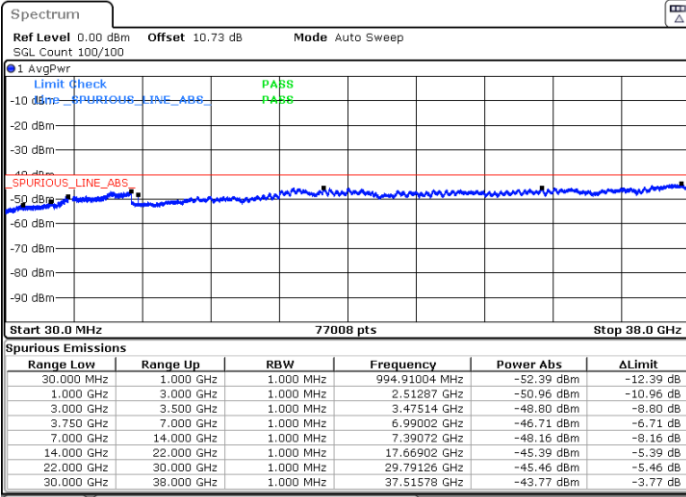


LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

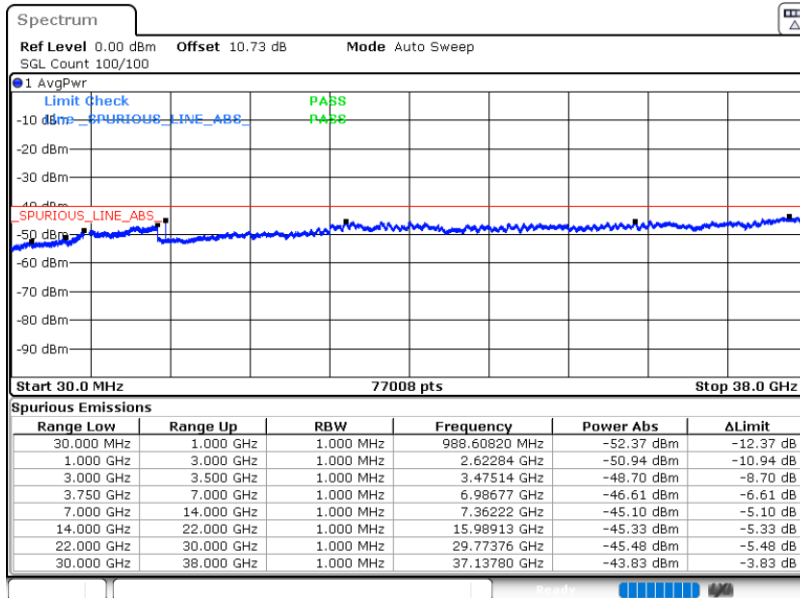
Middle Channel



Date: 7.JAN.2023 08:48:28

Date: 7.JAN.2023 08:10:53

Highest Channel



Date: 7.JAN.2023 08:09:04



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0024	
20	Minimum Voltage	0.0021	

Note:

1. Normal Voltage =24 V. ; Minimum Voltage =20 V. ; Maximum Voltage =28 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 48B

## EIRP PSD Density

### 1RB01RBMAX

Mode	LTE Band 48B : EIRP PSD Density (dBm/MHz)							
BW	10MHz+10 MHz							
Mod.	QPSK	16QAM	64QAM					
Lowest CH	18.11	18.25	18.16					
Middle CH	18.45	18.04	18.37					
Highest CH	17.89	18.11	17.87					
Limit	37dBm /MHz							
Result	Pass							

### 1RBMAX1RB0

Mode	LTE Band 48B : EIRP PSD Density (dBm/MHz)							
BW	10MHz+10 MHz							
Mod.	QPSK	16QAM	64QAM					
Lowest CH	28.15	27.47	24.73					
Middle CH	28.7	27.89	25.36					
Highest CH	28.08	26.93	24.86					
Limit	37dBm /MHz							
Result	Pass							



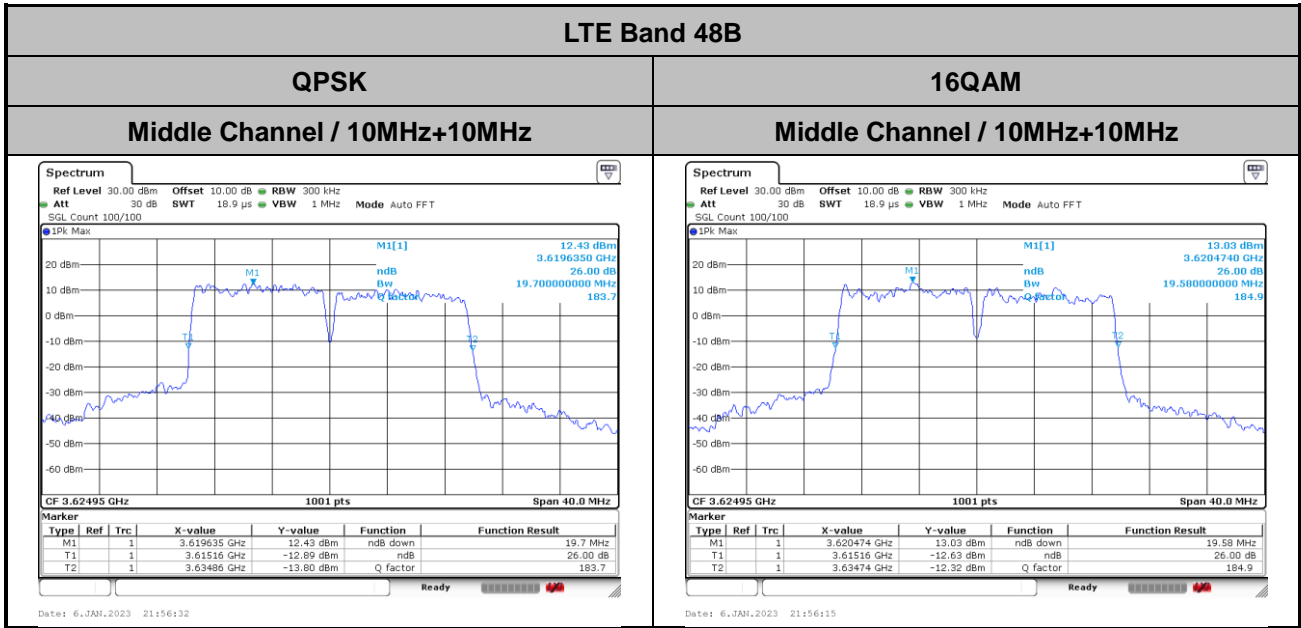
**FULLRB**

Mode	LTE Band 48B : EIRP PSD Density (dBm/MHz)							
BW	10MHz+10 MHz							
Mod.	QPSK	16QAM	64QAM					
Lowest CH	17.48	16.75	16.17					
Middle CH	18	16.76	16.82					
Highest CH	17.57	16.2	16.16					
Limit	37dBm /MHz							
Result	Pass							



**26dB Bandwidth**

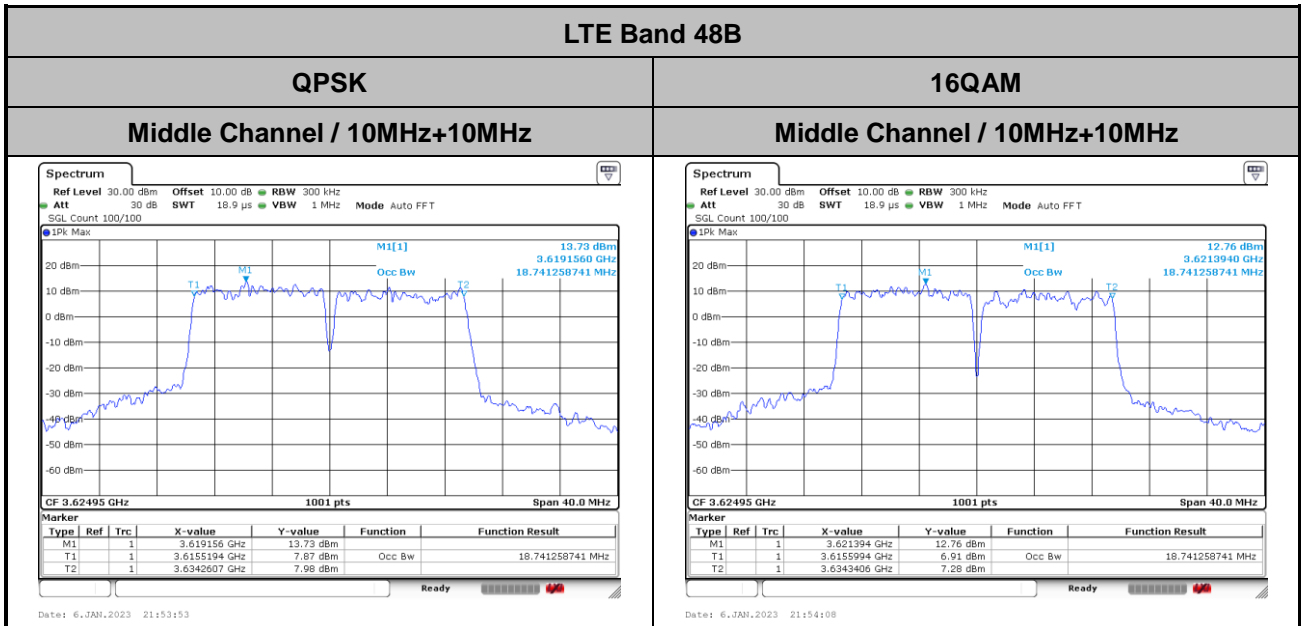
<b>Mode</b>	<b>LTE Band 48B : 26dB BW(MHz)</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>BW</b>	<b>10MHz+10MHz</b>	<b>10MHz+10MHz</b>
<b>Middle CH</b>	19.7	19.58





# Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 48B : 99%OBW(MHz)</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>BW</b>	<b>10MHz+10MHz</b>	<b>10MHz+10MHz</b>
<b>Middle CH</b>	<b>18.74</b>	<b>18.74</b>





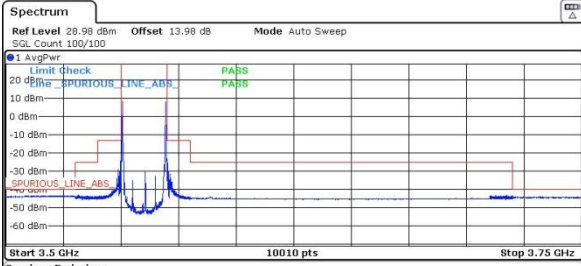
# Conducted Band Edge

## LTE Band 48B / 10MHz+10MHz

### QPSK

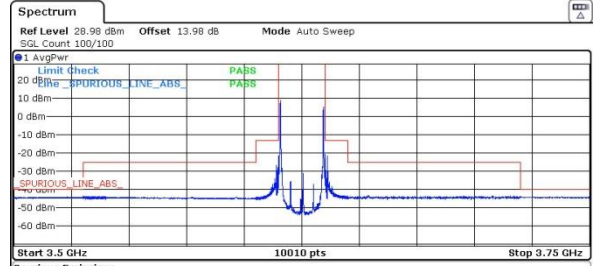
#### Lowest Band Edge / 1RB0 and 1RB49

#### Middle Band Edge / 1RB0 and 1RB49



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51248 GHz	-43.30 dBm	-18.30 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53143 GHz	-43.06 dBm	-18.06 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54885 GHz	-29.05 dBm	-16.05 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54997 GHz	-20.78 dBm	-7.78 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55061 GHz	8.48 dBm	-21.52 dB
3.570 GHz	3.571 GHz	300.000 kHz	3.57001 GHz	-23.02 dBm	-10.02 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57114 GHz	-31.24 dBm	-18.24 dB
3.580 GHz	3.710 GHz	1.000 MHz	3.58864 GHz	-44.01 dBm	-19.01 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71750 GHz	-43.01 dBm	-18.01 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73212 GHz	-43.90 dBm	-3.90 dB

Date: 6.JAN.2023 19:07:25

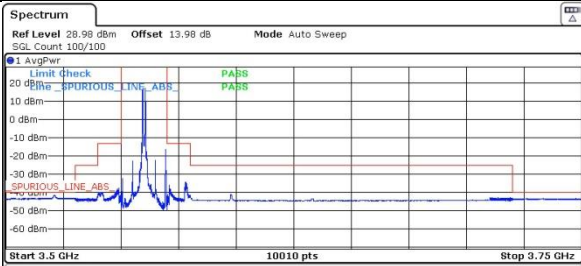


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52921 GHz	-43.98 dBm	-3.98 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53017 GHz	-43.59 dBm	-18.59 dB
3.540 GHz	3.605 GHz	1.000 MHz	3.57731 GHz	-44.10 dBm	-19.10 dB
3.605 GHz	3.614 GHz	1.000 MHz	3.61386 GHz	-26.80 dBm	-13.80 dB
3.614 GHz	3.615 GHz	300.000 kHz	3.61500 GHz	-21.58 dBm	-8.58 dB
3.615 GHz	3.635 GHz	100.000 kHz	3.61573 GHz	9.09 dBm	-20.91 dB
3.635 GHz	3.636 GHz	300.000 kHz	3.63602 GHz	-20.81 dBm	-7.81 dB
3.636 GHz	3.645 GHz	1.000 MHz	3.63600 GHz	-21.40 dBm	-8.40 dB
3.645 GHz	3.720 GHz	1.000 MHz	3.65388 GHz	-43.14 dBm	-18.14 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73578 GHz	-43.97 dBm	-3.97 dB

Date: 6.JAN.2023 19:15:57

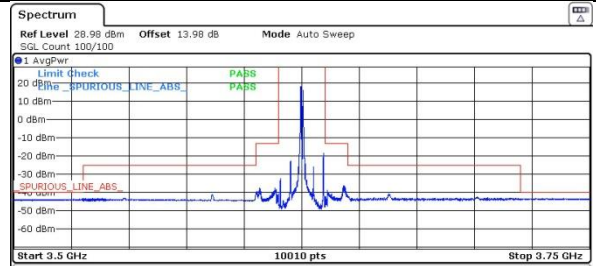
#### Lowest Band Edge / 1RB49 and 1RB0

#### Middle Band Edge / 1RB49 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52108 GHz	-41.37 dBm	-1.37 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53990 GHz	-40.91 dBm	-18.91 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54895 GHz	-37.29 dBm	-24.29 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54972 GHz	-41.23 dBm	-20.23 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55940 GHz	17.34 dBm	-12.56 dB
3.570 GHz	3.571 GHz	300.000 kHz	3.57020 GHz	-40.98 dBm	-27.98 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57807 GHz	-34.22 dBm	-21.22 dB
3.580 GHz	3.710 GHz	1.000 MHz	3.59747 GHz	-41.17 dBm	-18.17 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71006 GHz	-42.67 dBm	-17.67 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73308 GHz	-43.19 dBm	-3.19 dB

Date: 6.JAN.2023 19:04:11

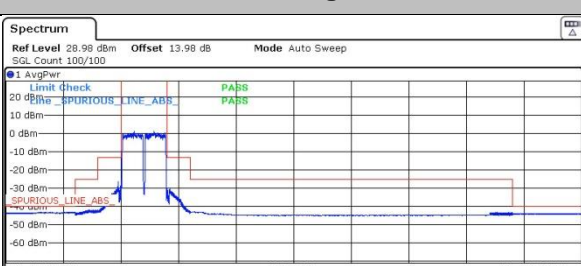


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52963 GHz	-43.43 dBm	-3.43 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53091 GHz	-42.91 dBm	-17.91 dB
3.540 GHz	3.605 GHz	1.000 MHz	3.60497 GHz	-40.90 dBm	-15.90 dB
3.605 GHz	3.614 GHz	1.000 MHz	3.61344 GHz	-37.43 dBm	-24.43 dB
3.614 GHz	3.615 GHz	300.000 kHz	3.61498 GHz	-40.47 dBm	-27.47 dB
3.615 GHz	3.635 GHz	100.000 kHz	3.62454 GHz	18.30 dBm	-11.70 dB
3.635 GHz	3.636 GHz	300.000 kHz	3.63513 GHz	-42.10 dBm	-29.10 dB
3.636 GHz	3.645 GHz	1.000 MHz	3.64349 GHz	-36.04 dBm	-23.04 dB
3.645 GHz	3.720 GHz	1.000 MHz	3.66279 GHz	-40.72 dBm	-15.72 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73119 GHz	-43.09 dBm	-3.09 dB

Date: 6.JAN.2023 19:14:16

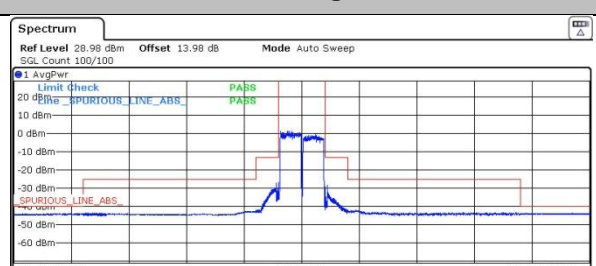
#### Lowest Band Edge / Full RB

#### Middle Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52834 GHz	-42.97 dBm	-2.97 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53994 GHz	-41.68 dBm	-16.68 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54883 GHz	-26.26 dBm	-13.26 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54991 GHz	-25.91 dBm	-12.91 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56438 GHz	1.31 dBm	-28.59 dB
3.570 GHz	3.571 GHz	300.000 kHz	3.57004 GHz	-30.12 dBm	-17.12 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57109 GHz	-30.16 dBm	-17.16 dB
3.580 GHz	3.710 GHz	1.000 MHz	3.59136 GHz	-42.73 dBm	-17.73 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71824 GHz	-43.05 dBm	-18.05 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72355 GHz	-43.66 dBm	-3.66 dB

Date: 6.JAN.2023 19:09:36



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52225 GHz	-43.78 dBm	-3.78 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53808 GHz	-43.43 dBm	-18.43 dB
3.540 GHz	3.605 GHz	1.000 MHz	3.60497 GHz	-42.32 dBm	-17.32 dB
3.605 GHz	3.614 GHz	1.000 MHz	3.61391 GHz	-27.06 dBm	-14.06 dB
3.614 GHz	3.615 GHz	300.000 kHz	3.61499 GHz	-26.58 dBm	-13.58 dB
3.615 GHz	3.635 GHz	100.000 kHz	3.61885 GHz	1.48 dBm	-28.52 dB
3.635 GHz	3.636 GHz	300.000 kHz	3.63503 GHz	-29.20 dBm	-16.20 dB
3.636 GHz	3.645 GHz	1.000 MHz	3.63602 GHz	-28.09 dBm	-15.09 dB
3.645 GHz	3.720 GHz	1.000 MHz	3.64656 GHz	-41.91 dBm	-16.91 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72244 GHz	-43.50 dBm	-3.50 dB

Date: 6.JAN.2023 19:17:41

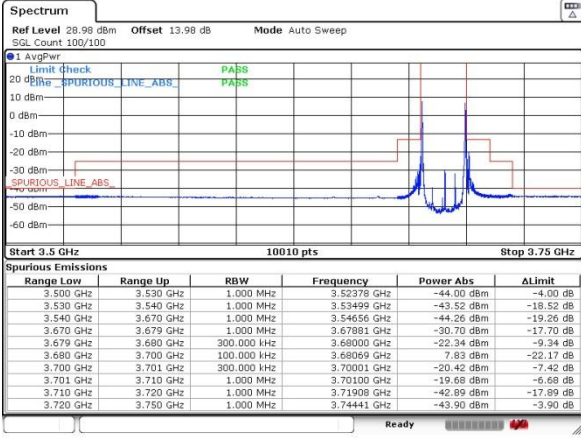




LTE Band 48B / 10MHz+10MHz

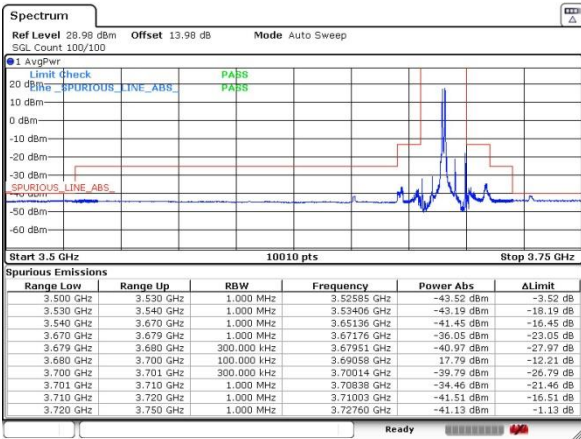
QPSK

Highest Band Edge / 1RB0 and 1RB49



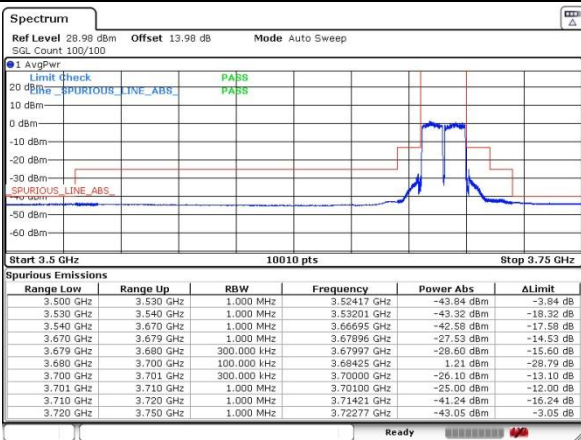
Date: 6..JAN.2023 19:26:10

Highest Band Edge / 1RB49 and 1RB0



Date: 6..JAN.2023 19:23:53

Highest Band Edge / Full RB



Date: 6..JAN.2023 19:21:23

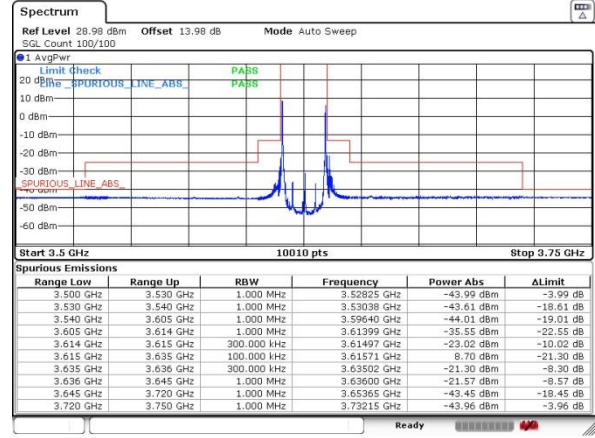
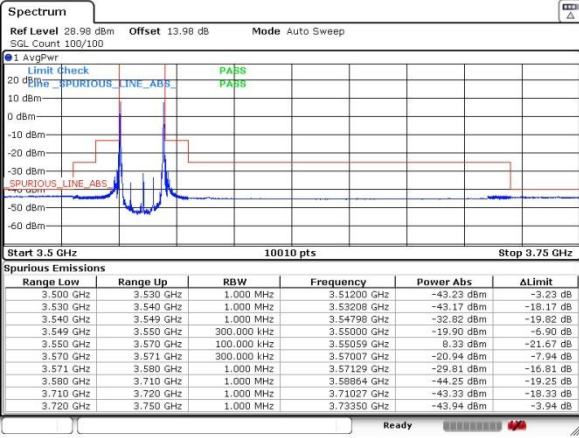


LTE Band 48B / 10MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

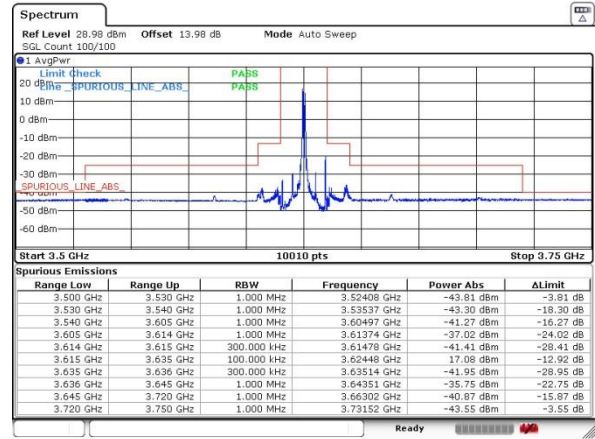
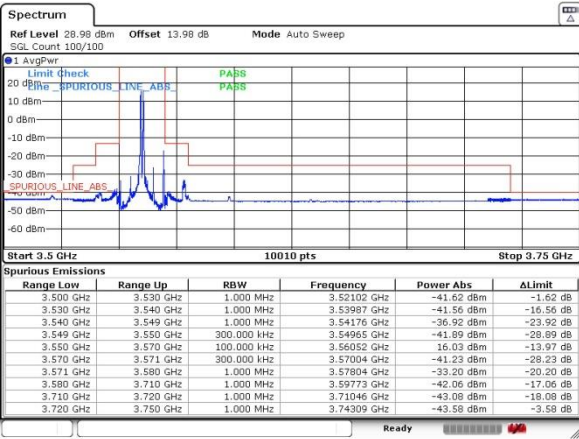


Date: 6.JAN.2023 19:08:05

Date: 6.JAN.2023 19:16:26

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0

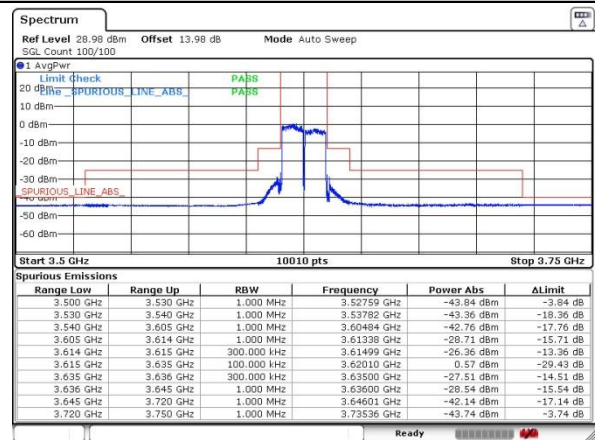
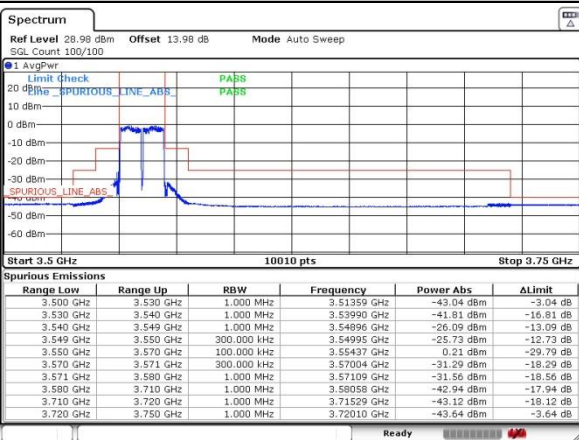


Date: 6.JAN.2023 19:05:59

Date: 6.JAN.2023 19:14:49

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 6.JAN.2023 19:10:09

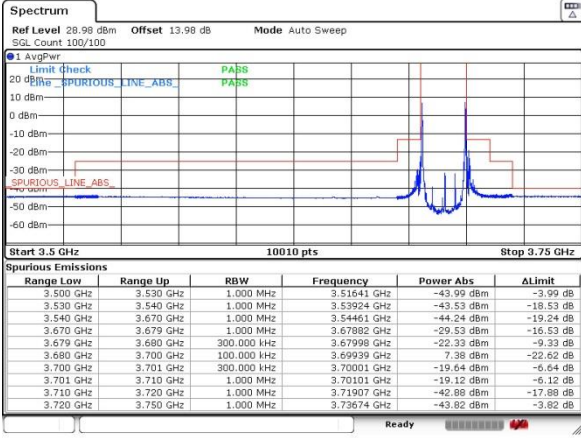
Date: 6.JAN.2023 19:18:11



LTE Band 48B / 10MHz+10MHz

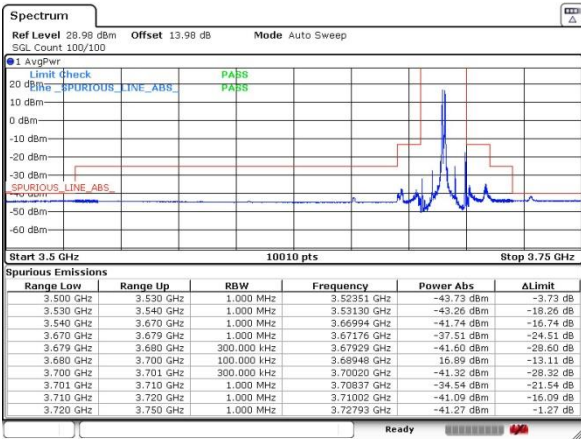
16QAM

Highest Band Edge / 1RB0 and 1RB49



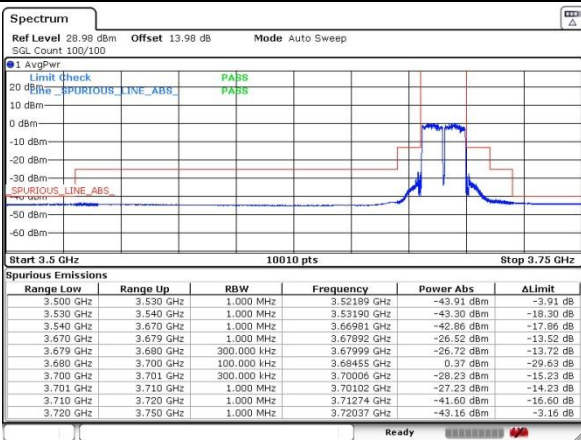
Date: 6.JAN.2023 19:26:41

Highest Band Edge / 1RB49 and 1RB0



Date: 6.JAN.2023 19:24:53

Highest Band Edge / Full RB



Date: 6.JAN.2023 19:21:59

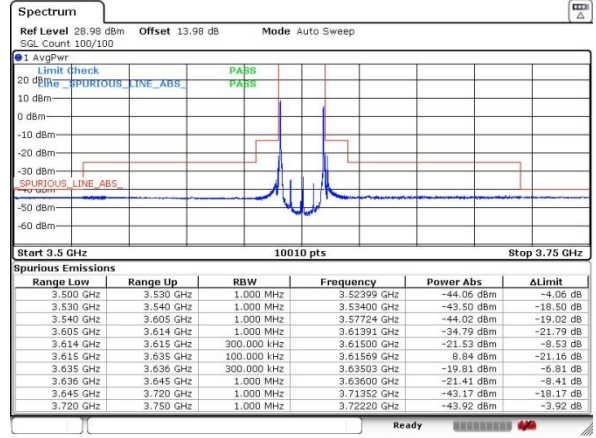
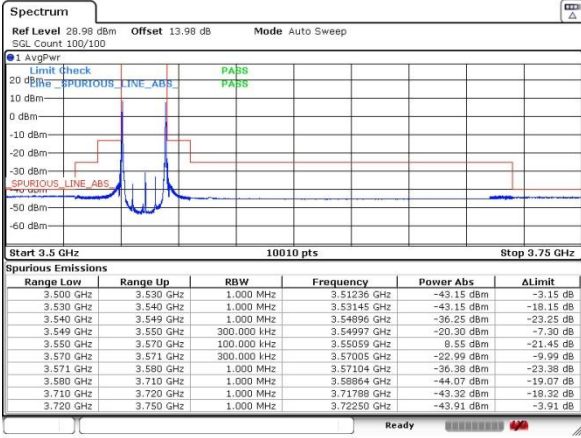


LTE Band 48B / 10MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

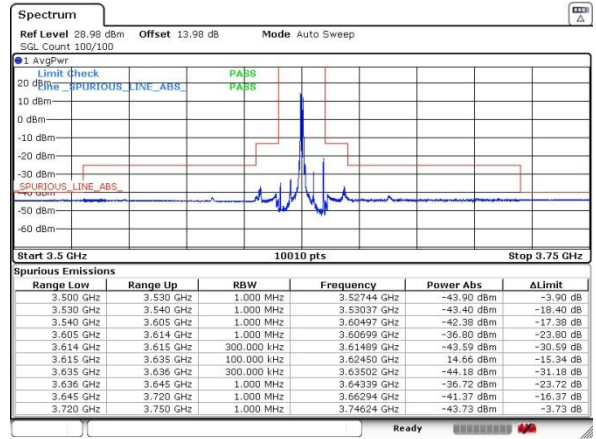
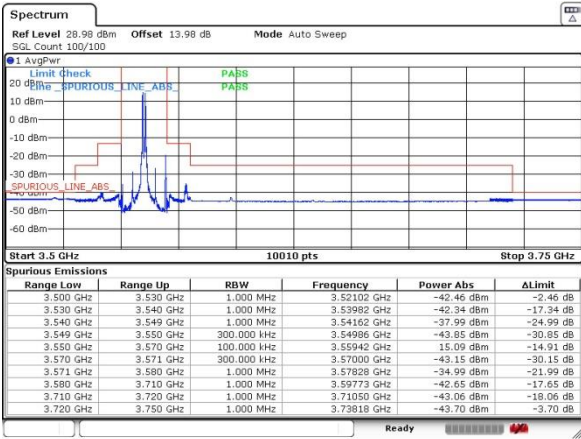


Date: 6.JAN.2023 19:08:46

Date: 6.JAN.2023 19:16:56

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0

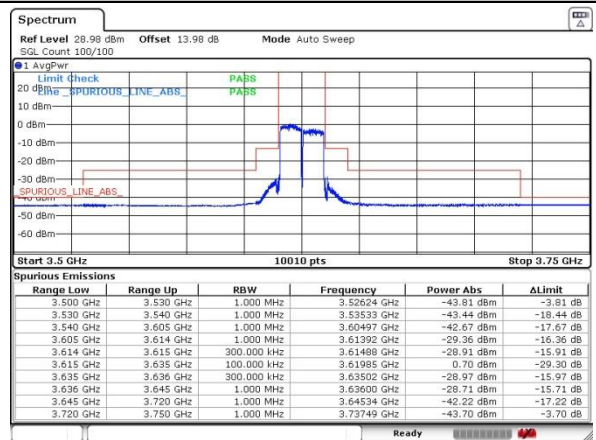
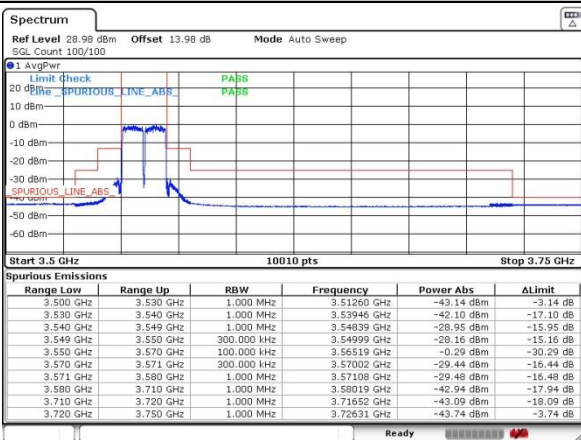


Date: 6.JAN.2023 19:06:42

Date: 6.JAN.2023 19:15:20

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 6.JAN.2023 19:10:44

Date: 6.JAN.2023 19:18:46

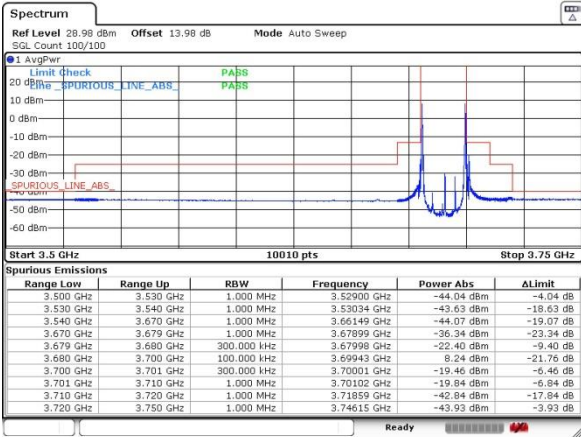




LTE Band 48B / 10MHz+10MHz

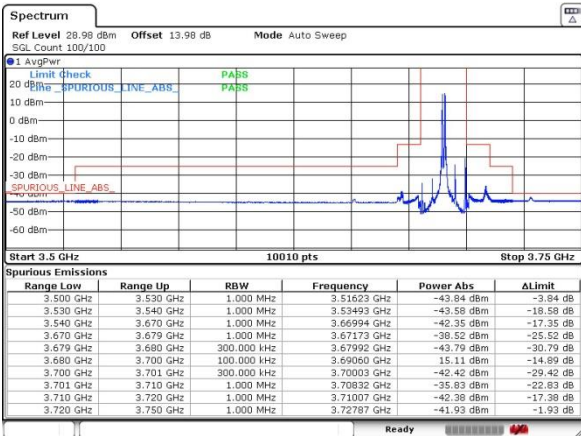
64QAM

Highest Band Edge / 1RB0 and 1RB49



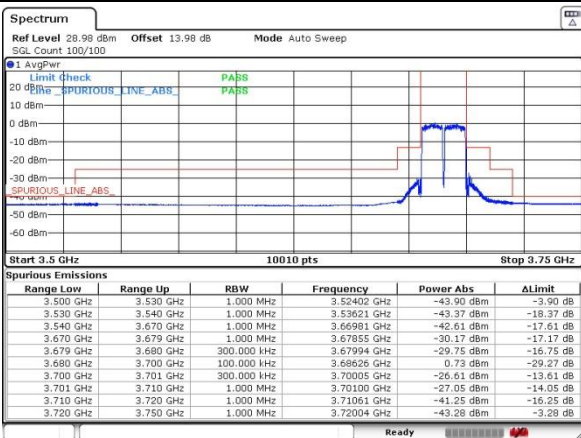
Date: 6. JAN. 2023 19:27:14

Highest Band Edge / 1RB49 and 1RB0



Date: 6. JAN. 2023 19:25:27

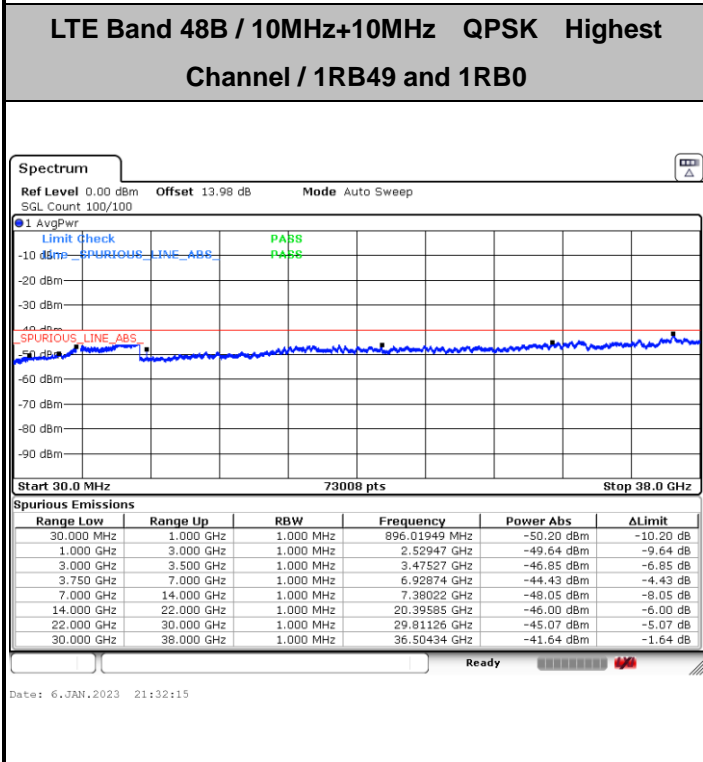
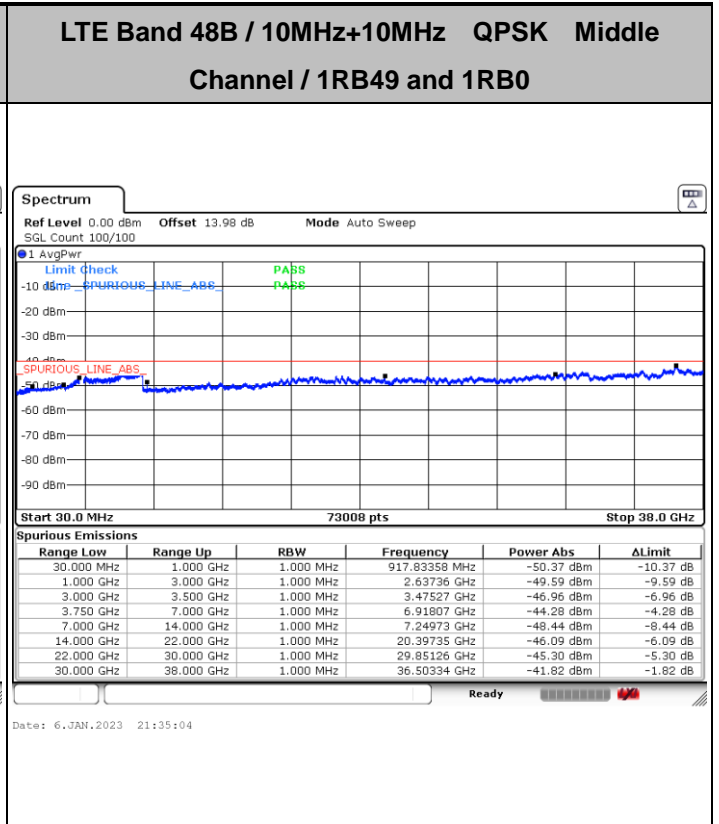
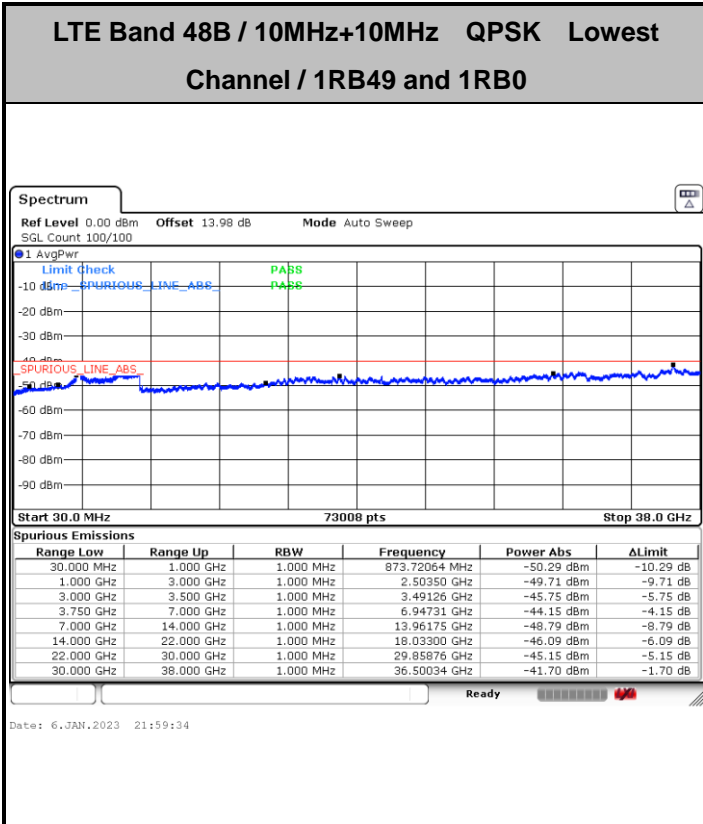
Highest Band Edge / Full RB



Date: 6. JAN. 2023 19:22:33



# Conducted Spurious Emission





Frequency Stability

Test Conditions		LTE Band 48B (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10+10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0009	
20	Minimum Voltage	0.0018	

Note:

1. Normal Voltage =24 V. ; Minimum Voltage =20 V. ; Maximum Voltage =28 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 48C

## EIRP PSD Density

### 1RB01RBMAX

Mode	LTE Band 48C : EIRP PSD Density (dBm/MHz)							
BW	5MHz+20 MHz				10MHz+20MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	19.22	19.23	19.42		19.1	19.39	19.32	
Middle CH	20.02	19.89	20.33		20.27	19.98	20.2	
Highest CH	19.68	19.87	20.18		19.85	19.79	19.69	
BW	15MHz+20MHz				20MHz+20MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	19.63	19.65	19.43		19.37	19.69	19.82	
Middle CH	19.88	19.69	20.01		19.85	19.84	20.09	
Highest CH	20.16	19.88	19.79		20.04	19.59	19.83	
Limit	37dBm /MHz							
Result	Pass							
Mode	LTE Band 48C : EIRP PSD Density (dBm/MHz)							
BW	20MHz+5 MHz				20MHz+10MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	19.92	19.68	20.1		19.89	20.24	19.48	
Middle CH	20.19	20.63	21.16		20.07	20.14	20.39	
Highest CH	19.79	20.24	20.53		20.02	20.01	20.06	
BW	20MHz+15MHz				NA			
Mod.	QPSK	16QAM	64QAM					
Lowest CH	19.73	19.89	19.92					
Middle CH	20.09	20.43	19.94					
Highest CH	19.99	19.67	20.28					
Limit	37dBm /MHz							
Result	Pass							





**1RBMAX1RB0**

Mode	LTE Band 48C : EIRP PSD Density (dBm/MHz)							
BW	5MHz+20 MHz				10MHz+20MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	28.64	28.08	26.25		27.35	27.14	24.99	
Middle CH	28.43	28.44	26.12		27.99	27.5	25.04	
Highest CH	28.74	28.16	25.42		27.4	26.59	25.06	
BW	15MHz+20MHz				20MHz+20MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	27.92	26.67	24.7		27.76	27.44	25.13	
Middle CH	27.96	27.04	24.97		27.8	26.41	24.88	
Highest CH	27.38	26.6	24.62		27.29	26.43	24.64	
Limit	37dBm /MHz							
Result	Pass							
Mode	LTE Band 48C : EIRP PSD Density (dBm/MHz)							
BW	20MHz+5 MHz				20MHz+10MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	29.15	28.62	26.32		28.1	27.12	24.88	
Middle CH	28.81	28.66	26.7		28.4	27.57	25.23	
Highest CH	29.22	28.62	26.51		27.81	27.05	24.71	
BW	20MHz+15MHz				NA			
Mod.	QPSK	16QAM	64QAM					
Lowest CH	27.89	27	24.71					
Middle CH	28.33	27.44	24.96					
Highest CH	27.67	26.69	25.12					
Limit	37dBm /MHz							
Result	Pass							



**FULLRB**

Mode	LTE Band 48C : EIRP PSD Density (dBm/MHz)							
BW	5MHz+20 MHz				10MHz+20MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	19.74	18.71	18.9		16.98	15.91	15.68	
Middle CH	20.84	19.62	19.54		17.75	16.84	16.75	
Highest CH	19.79	19.12	18.92		17.01	16.05	16.19	
BW	15MHz+20MHz				20MHz+20MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	14.85	14.42	14.26		14.38	13.68	13.74	
Middle CH	15.86	15.15	14.81		15.19	13.79	13.9	
Highest CH	15.38	14.36	14.29		14.57	13.79	13.62	
Limit	37dBm /1MHz							
Result	Pass							
Mode	LTE Band 48C : EIRP PSD Density (dBm/MHz)							
BW	20MHz+5 MHz				20MHz+10MHz			
Mod.	QPSK	16QAM	64QAM		QPSK	16QAM	64QAM	
Lowest CH	18.93	18.25	17.97		16.88	15.81	15.61	
Middle CH	17.73	16.65	16.36		15.27	14.16	14.04	
Highest CH	19.37	18.16	17.89		16.58	15.4	15.52	
BW	20MHz+15MHz				NA			
Mod.	QPSK	16QAM	64QAM					
Lowest CH	15.39	13.95	13.64					
Middle CH	14.92	13.94	13.86					
Highest CH	14.55	13.69	13.42					
Limit	37dBm /1MHz							
Result	Pass							



**26dB Bandwidth**

Mode	LTE Band 48C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	50MHz+20MHz
Middle CH	24.73	24.73
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	29.85	29.85
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	34.83	34.69
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	25.03	24.98
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	30.09	30.03
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	34.83	34.83
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.64	39.72



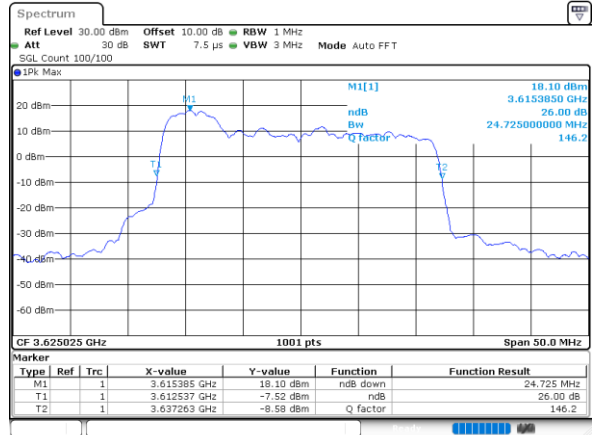
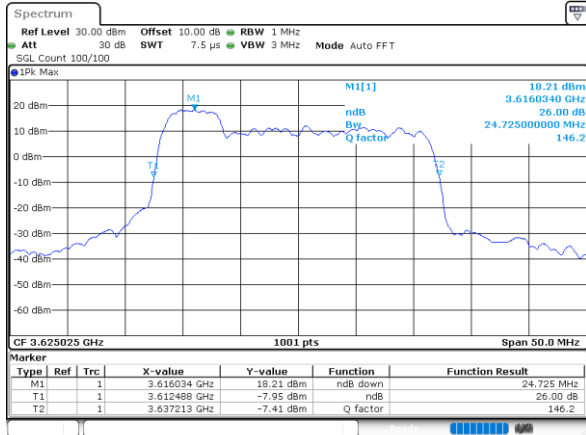
LTE Band 48C

QPSK

16QAM

Middle Channel / 5MHz+20MHz

Middle Channel / 5MHz+20MHz



Date: 13\_JAN\_2023 11:15:44

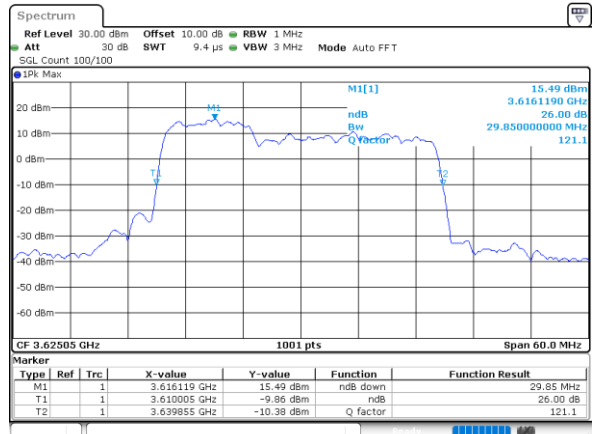
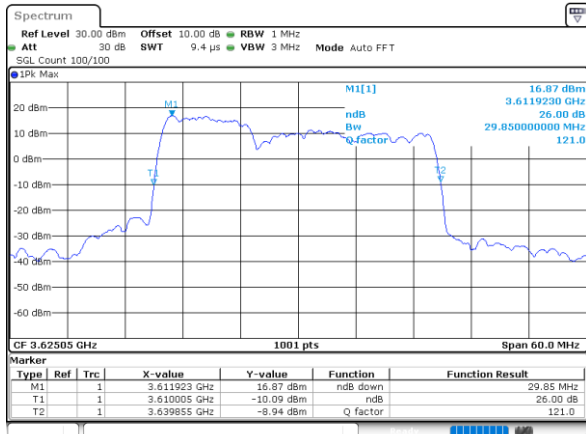
Date: 13\_JAN\_2023 11:16:48

QPSK

16QAM

Middle Channel / 10MHz+20MHz

Middle Channel / 10MHz+20MHz



Date: 13\_JAN\_2023 11:18:30

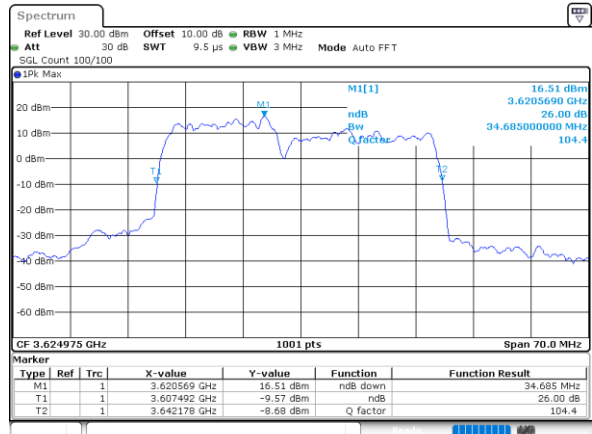
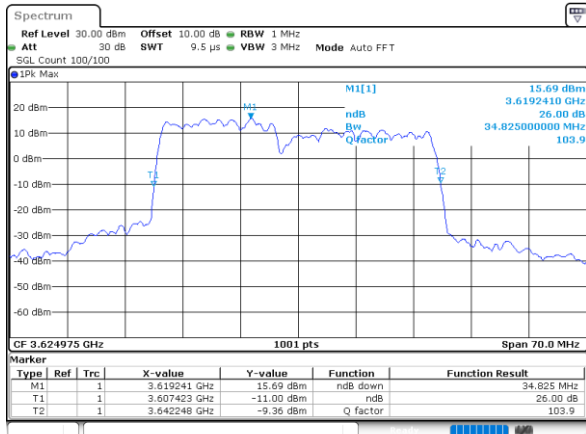
Date: 13\_JAN\_2023 11:20:22

QPSK

16QAM

Middle Channel / 15MHz+20MHz

Middle Channel / 15MHz+20MHz



Date: 13\_JAN\_2023 11:26:25

Date: 13\_JAN\_2023 11:27:35



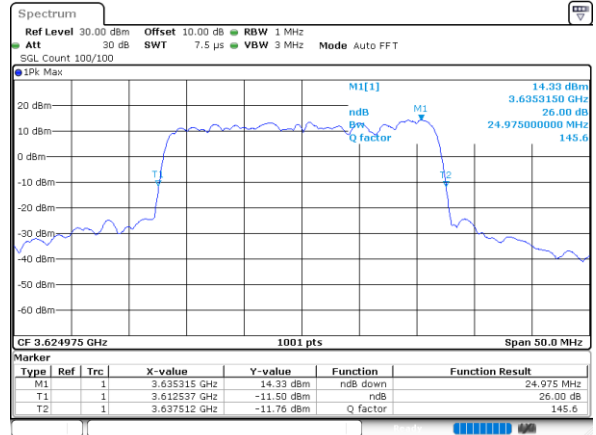
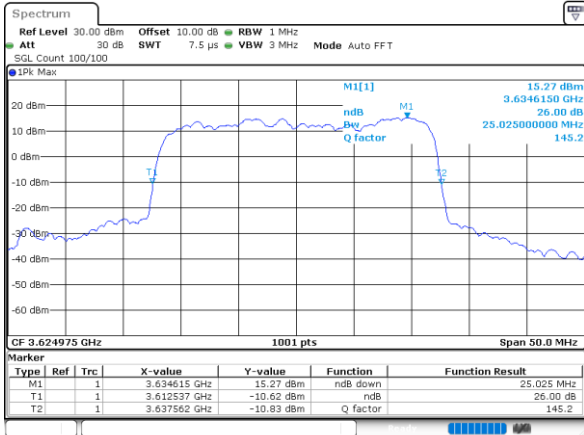
LTE Band 48C

QPSK

16QAM

Middle Channel / 20MHz+5MHz

Middle Channel / 20MHz+5MHz



Date: 13\_JAN\_2023 11:30:37

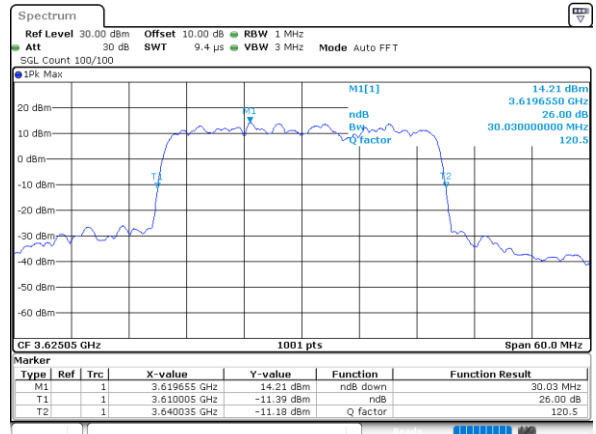
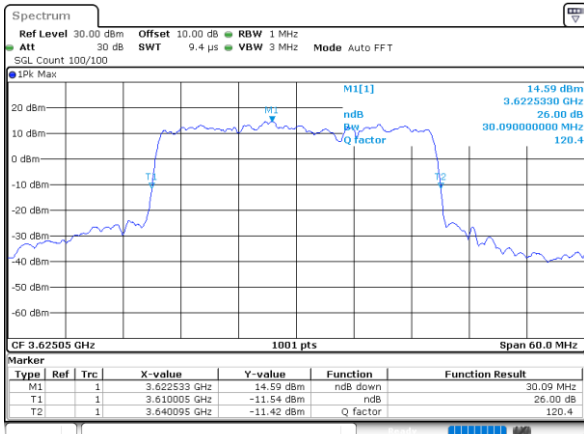
Date: 13\_JAN\_2023 11:31:41

QPSK

16QAM

Middle Channel / 20MHz+10MHz

Middle Channel / 20MHz+10MHz



Date: 13\_JAN\_2023 11:36:12

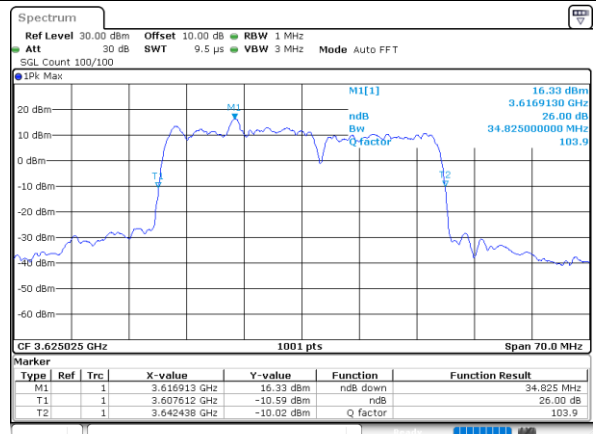
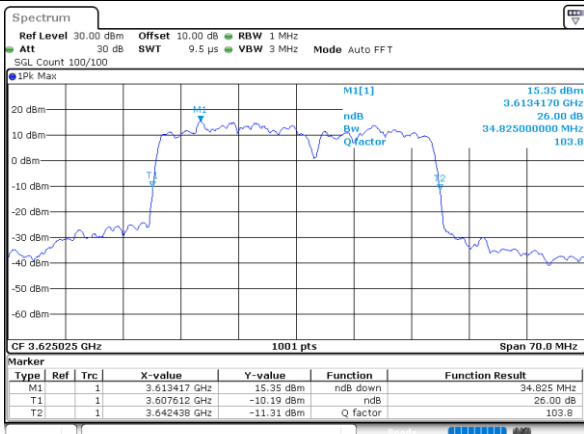
Date: 13\_JAN\_2023 11:41:53

QPSK

16QAM

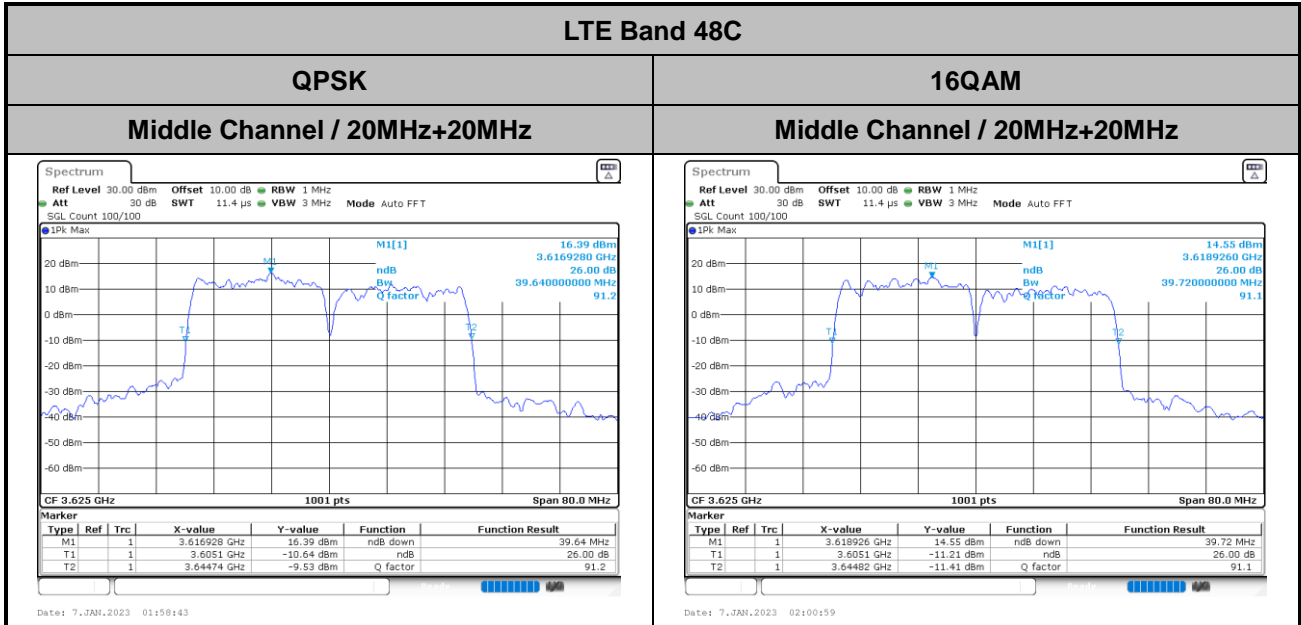
Middle Channel / 20MHz+15MHz

Middle Channel / 20MHz+15MHz



Date: 13\_JAN\_2023 11:44:12

Date: 13\_JAN\_2023 11:45:41





### Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	50MHz+20MHz
Middle CH	23.33	23.28
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	27.81	27.87
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.73	32.73
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.18	23.08
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	27.99	28.05
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	32.80	32.59
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.56	37.72



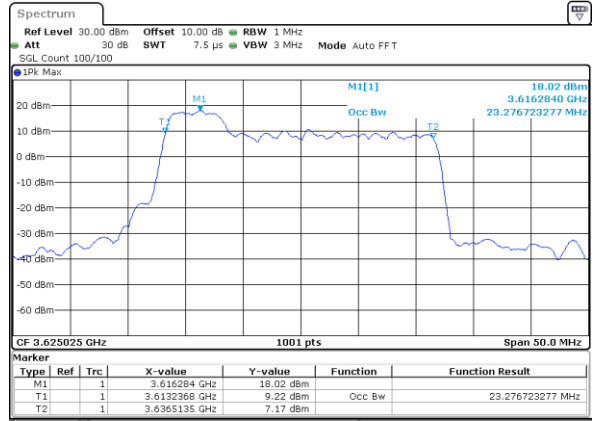
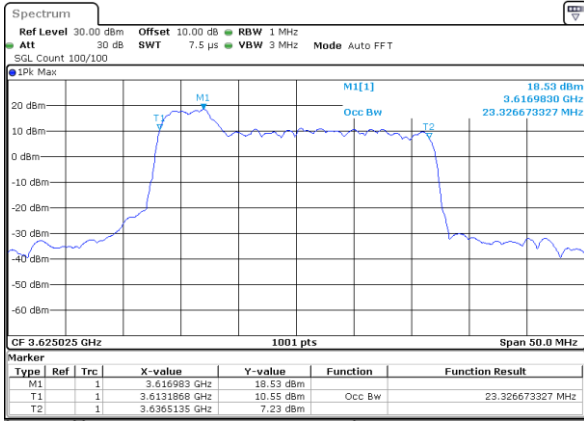
LTE Band 48C

QPSK

16QAM

Middle Channel / 5MHz+20MHz

Middle Channel / 5MHz+20MHz



Date: 13\_JAN\_2023 11:16:15

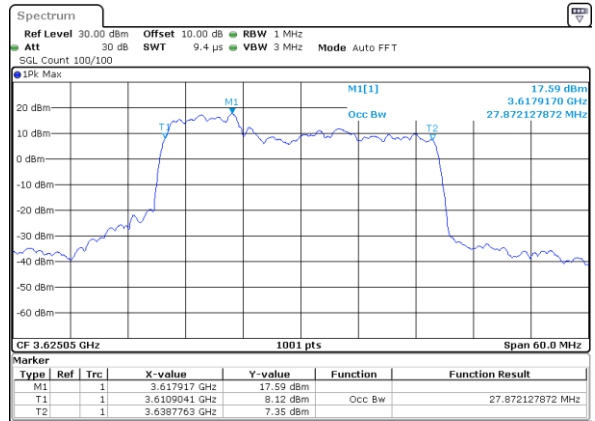
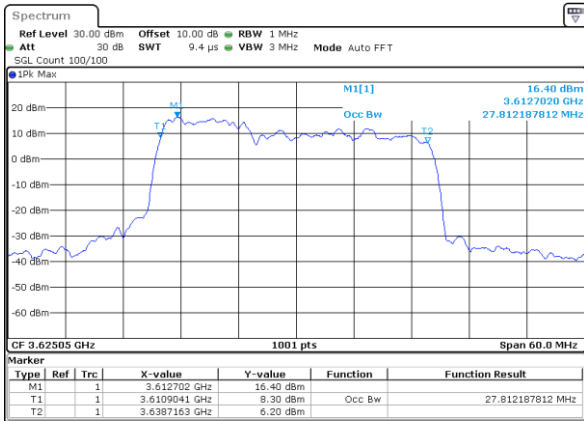
Date: 13\_JAN\_2023 11:17:14

QPSK

16QAM

Middle Channel / 10MHz+20MHz

Middle Channel / 10MHz+20MHz



Date: 13\_JAN\_2023 11:19:53

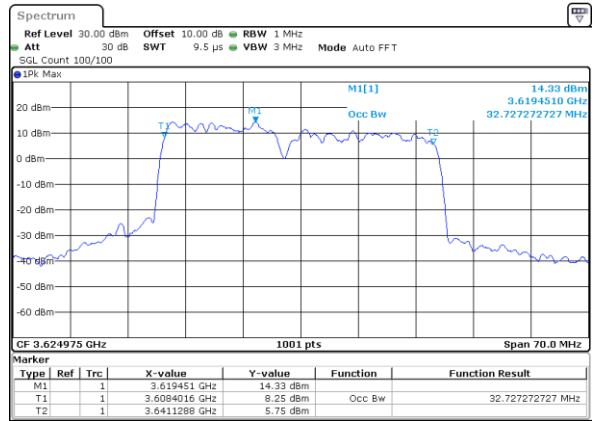
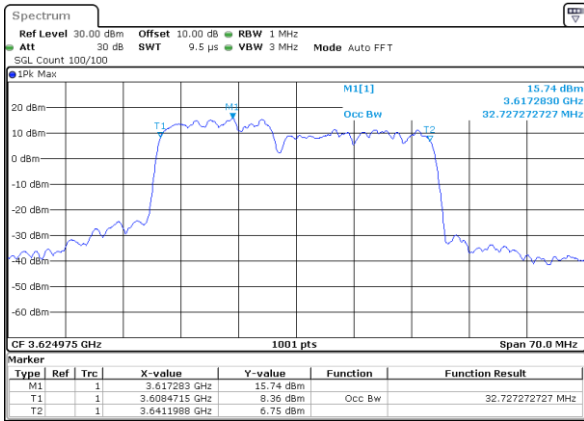
Date: 13\_JAN\_2023 11:23:13

QPSK

16QAM

Middle Channel / 15MHz+20MHz

Middle Channel / 15MHz+20MHz



Date: 13\_JAN\_2023 11:26:53

Date: 13\_JAN\_2023 11:28:02