



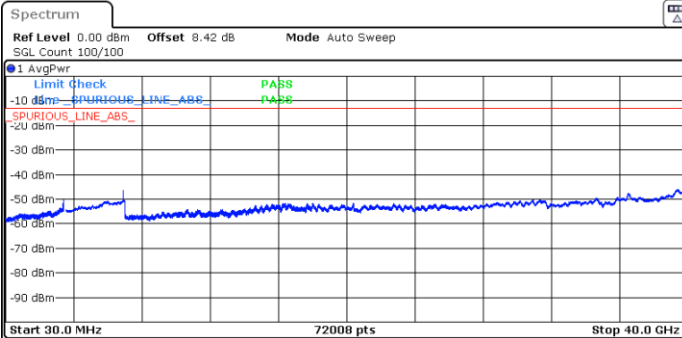
# Conducted Spurious Emission

## LTE Band 42/ 5MHz

### QPSK / 1RB0

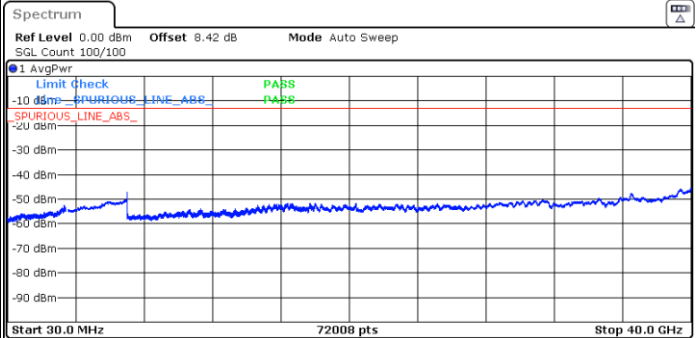
#### Lowest Channel

#### Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.32068 MHz	-55.90 dBm	-42.90 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.40833 GHz	-50.43 dBm	-37.43 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.90249 GHz	-46.33 dBm	-33.33 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.22178 GHz	-55.22 dBm	-42.22 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99038 GHz	-54.06 dBm	-41.06 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.59767 GHz	-51.69 dBm	-38.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.04415 GHz	-51.63 dBm	-38.63 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.99296 GHz	-45.47 dBm	-32.47 dB

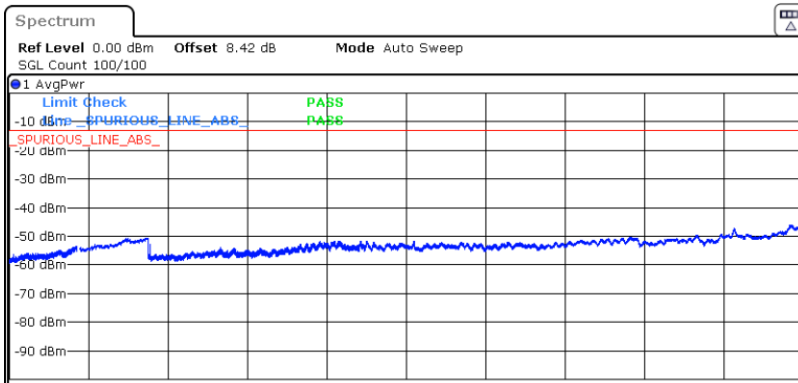
Date: 10.FEB.2023 22:24:09



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.94905 MHz	-55.90 dBm	-42.90 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.33621 GHz	-52.41 dBm	-39.41 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.99487 GHz	-47.34 dBm	-34.34 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.26753 GHz	-55.26 dBm	-42.26 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99188 GHz	-53.55 dBm	-40.55 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.71502 GHz	-51.60 dBm	-38.60 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.01941 GHz	-51.59 dBm	-38.59 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.98863 GHz	-45.38 dBm	-32.38 dB

Date: 10.FEB.2023 22:25:29

#### Highest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.57742 MHz	-55.82 dBm	-42.82 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.35136 GHz	-53.64 dBm	-40.64 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.93328 GHz	-50.57 dBm	-37.57 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.09093 GHz	-52.73 dBm	-39.73 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.66383 GHz	-53.88 dBm	-40.88 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.60453 GHz	-51.65 dBm	-38.65 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.39638 GHz	-51.70 dBm	-38.70 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.98538 GHz	-45.45 dBm	-32.45 dB

Date: 10.FEB.2023 22:26:49

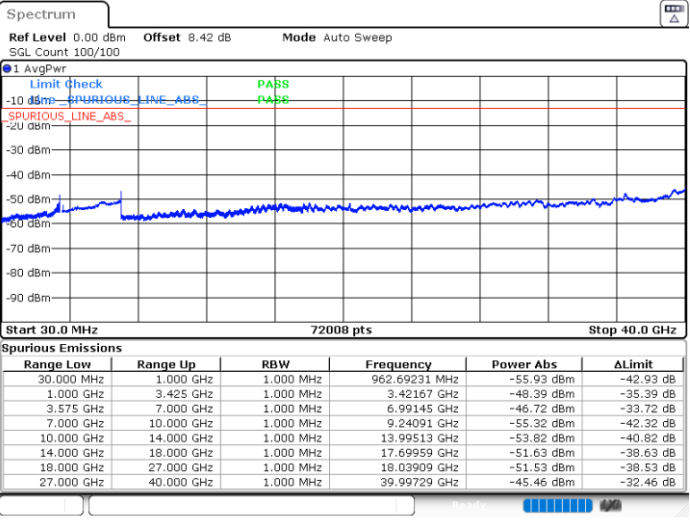
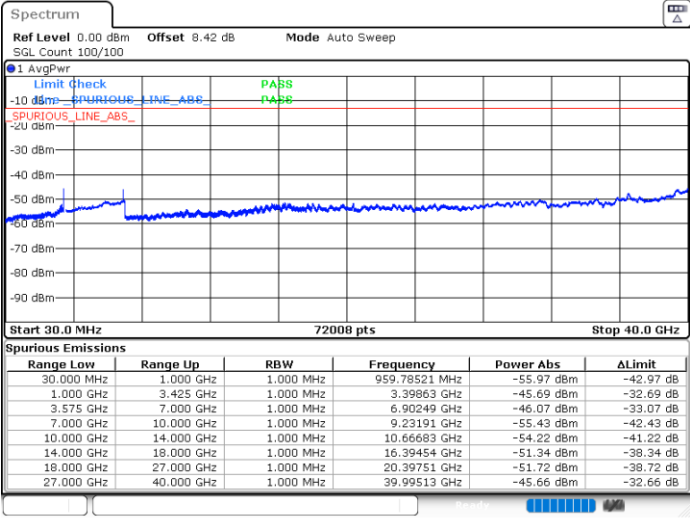


LTE Band 42/ 10MHz

QPSK / 1RB0

Lowest Channel

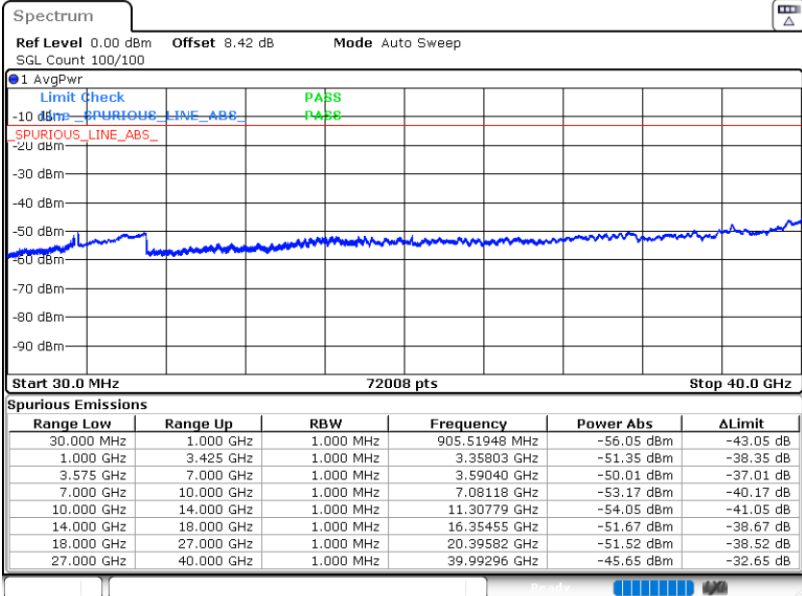
Middle Channel



Date: 10.FEB.2023 23:33:43

Date: 10.FEB.2023 23:35:03

Highest Channel



Date: 10.FEB.2023 23:36:23

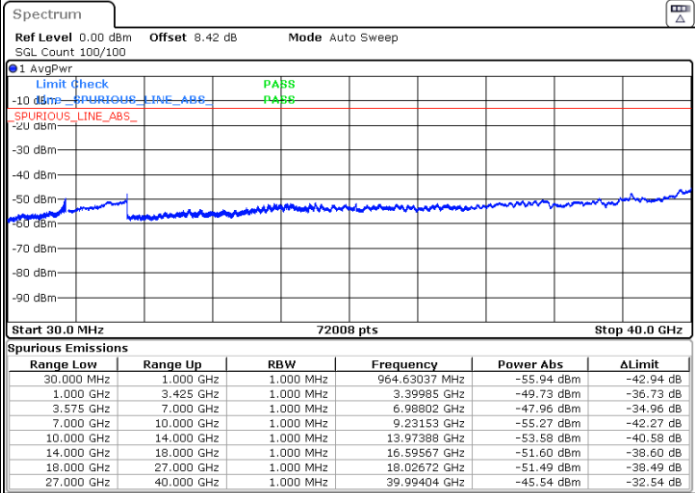
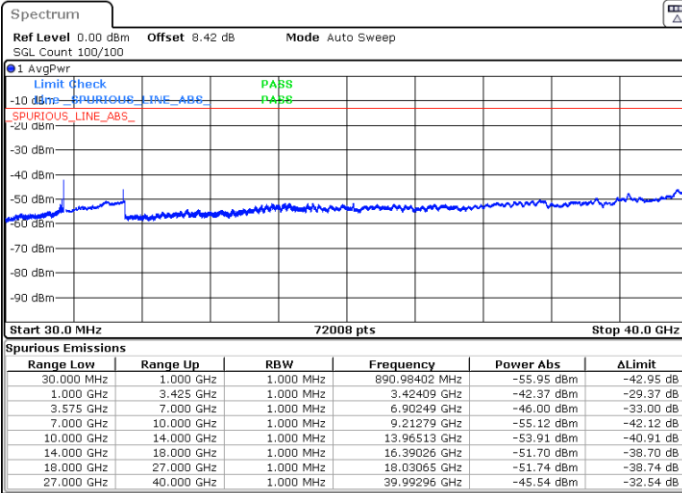


LTE Band 42/ 15MHz

QPSK / 1RB0

Lowest Channel

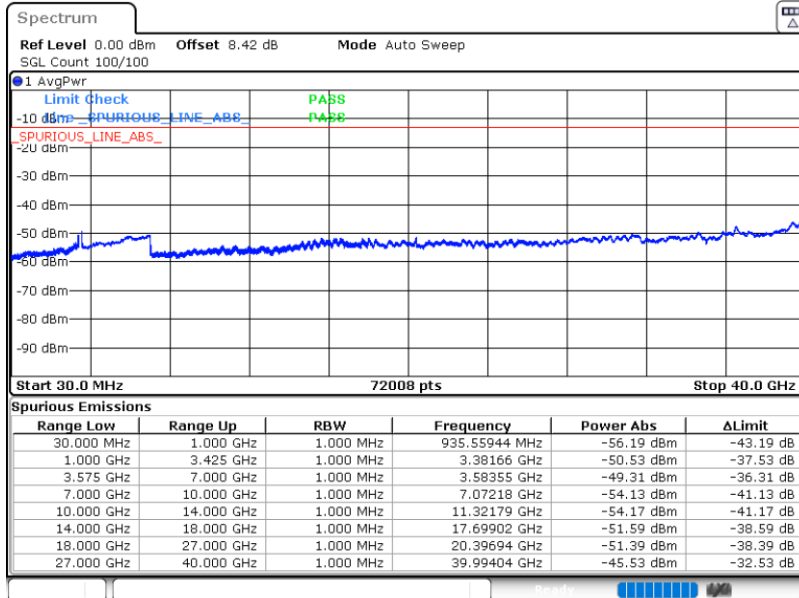
Middle Channel



Date: 11.FEB.2023 00:40:33

Date: 11.FEB.2023 00:41:53

Highest Channel



Date: 11.FEB.2023 00:43:13

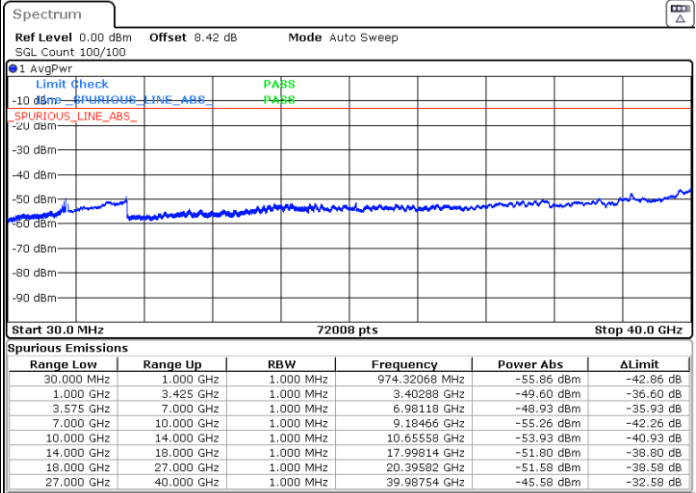
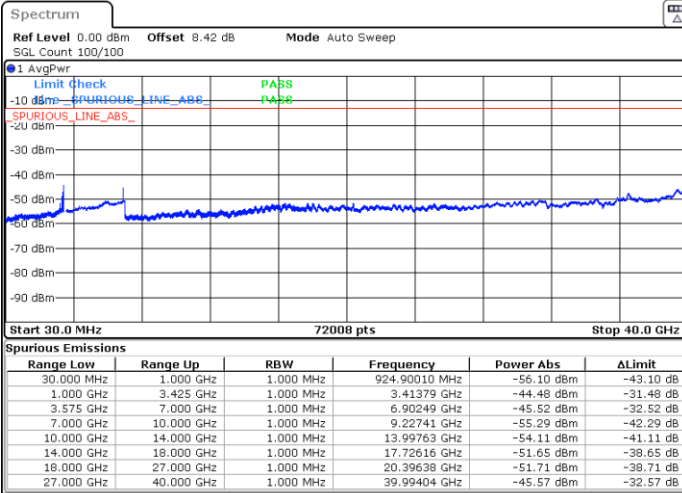


LTE Band 42/ 20MHz

QPSK / 1RB0

Lowest Channel

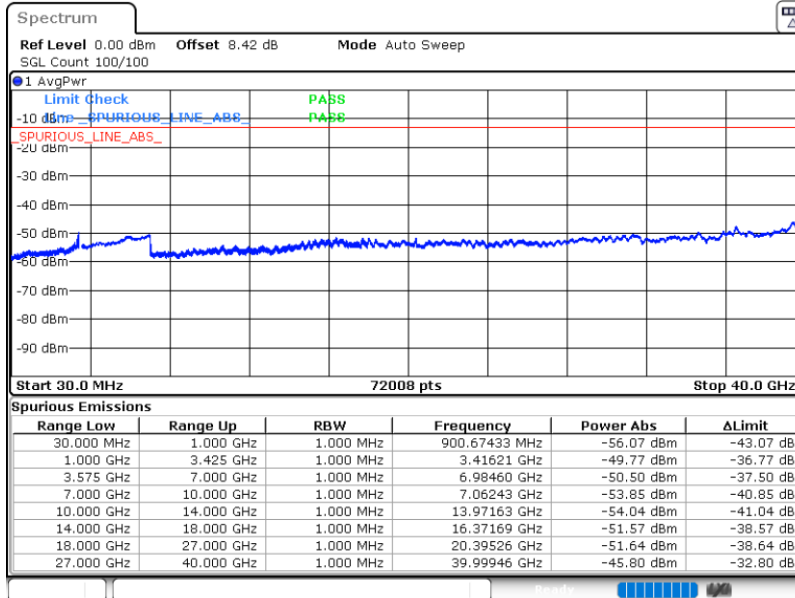
Middle Channel



Date: 11.FEB.2023 01:06:05

Date: 11.FEB.2023 01:07:25

Highest Channel



Date: 11.FEB.2023 01:08:46



Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0013	

Note:

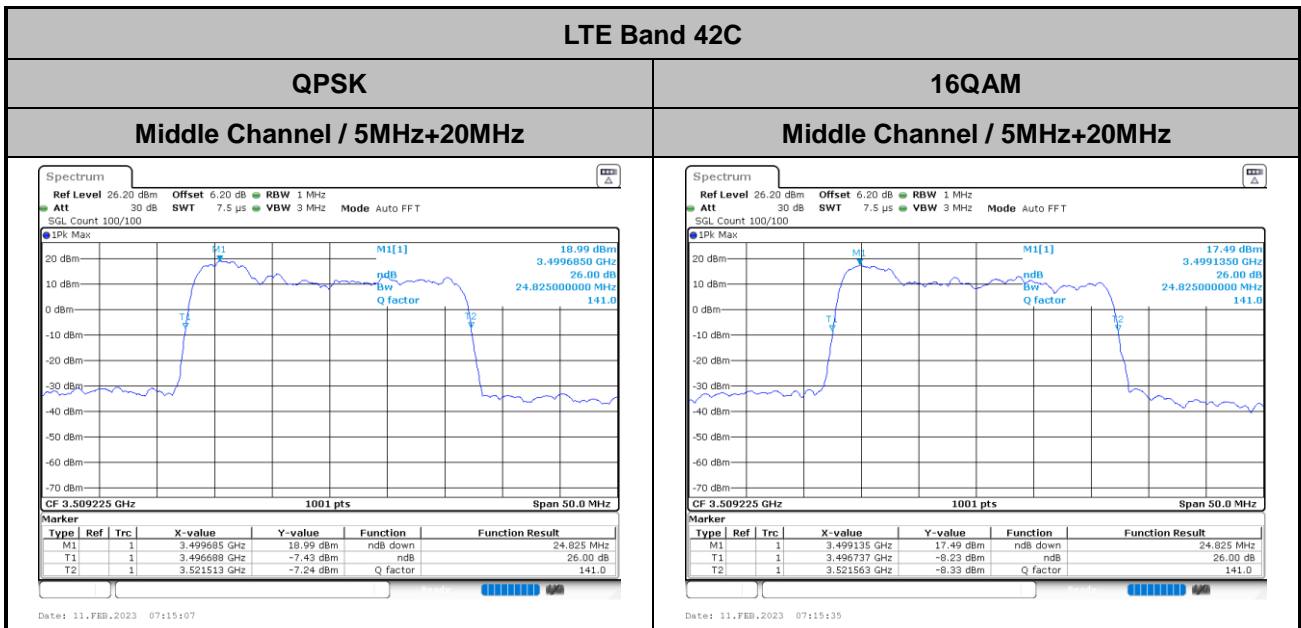
1. Normal Voltage =3.8 ; Battery End Point (BEP) =3.3 ; Maximum Voltage =4.3
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

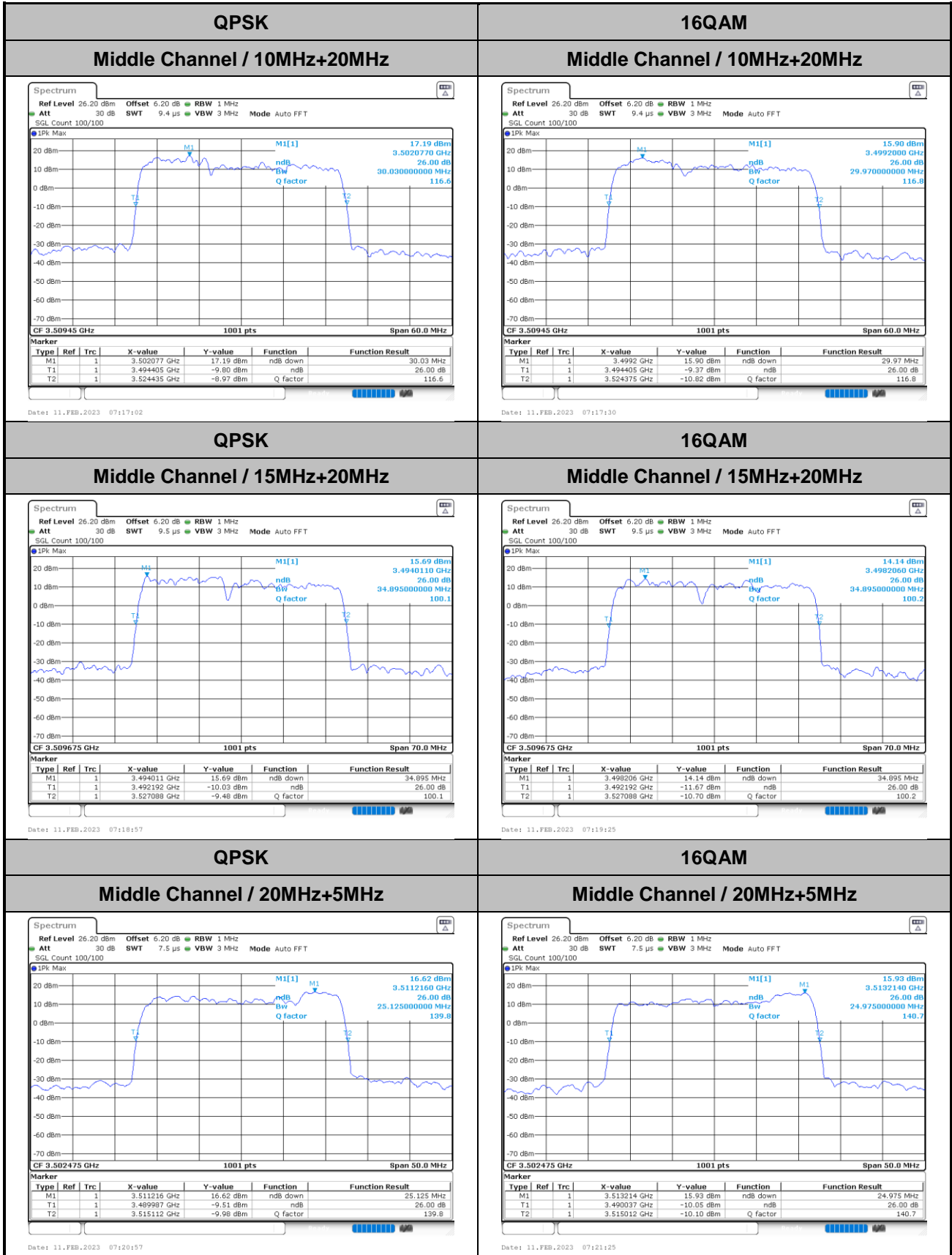


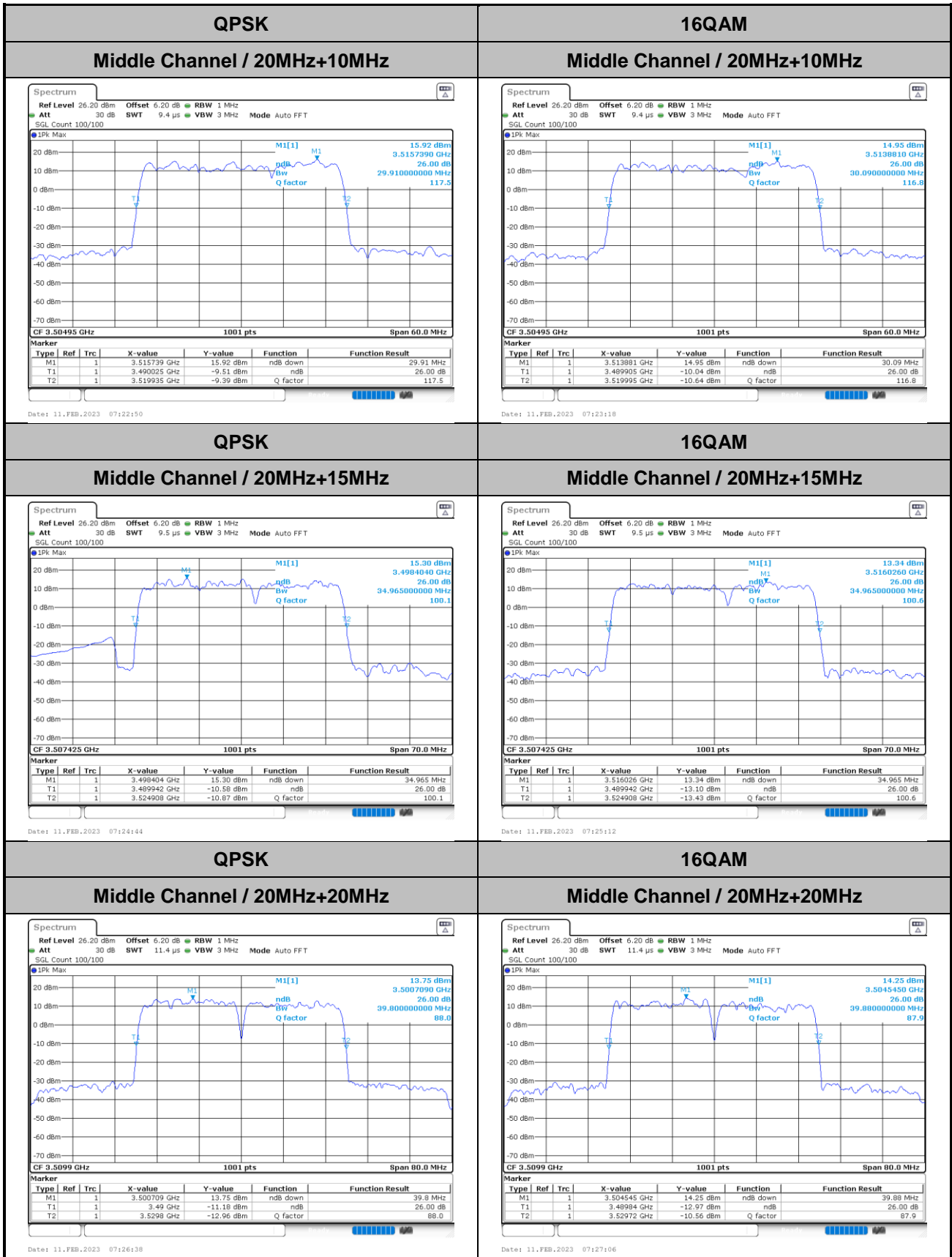
# LTE Band 42C

## 26dB Bandwidth

LTE Band 42C : 26dB BW(MHz)		
Mode	QPSK	16QAM
Mod.	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	24.83	24.83
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	30.03	29.97
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	34.90	34.90
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	25.13	24.98
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	29.91	30.09
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	34.97	34.97
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.80	39.88





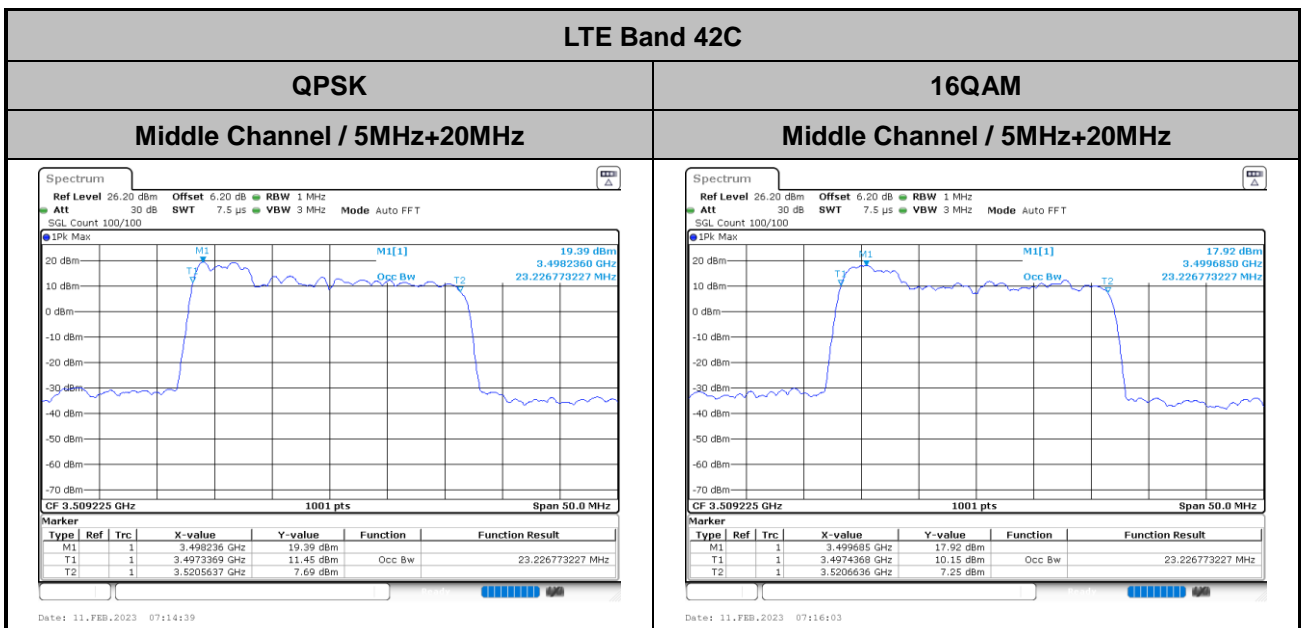


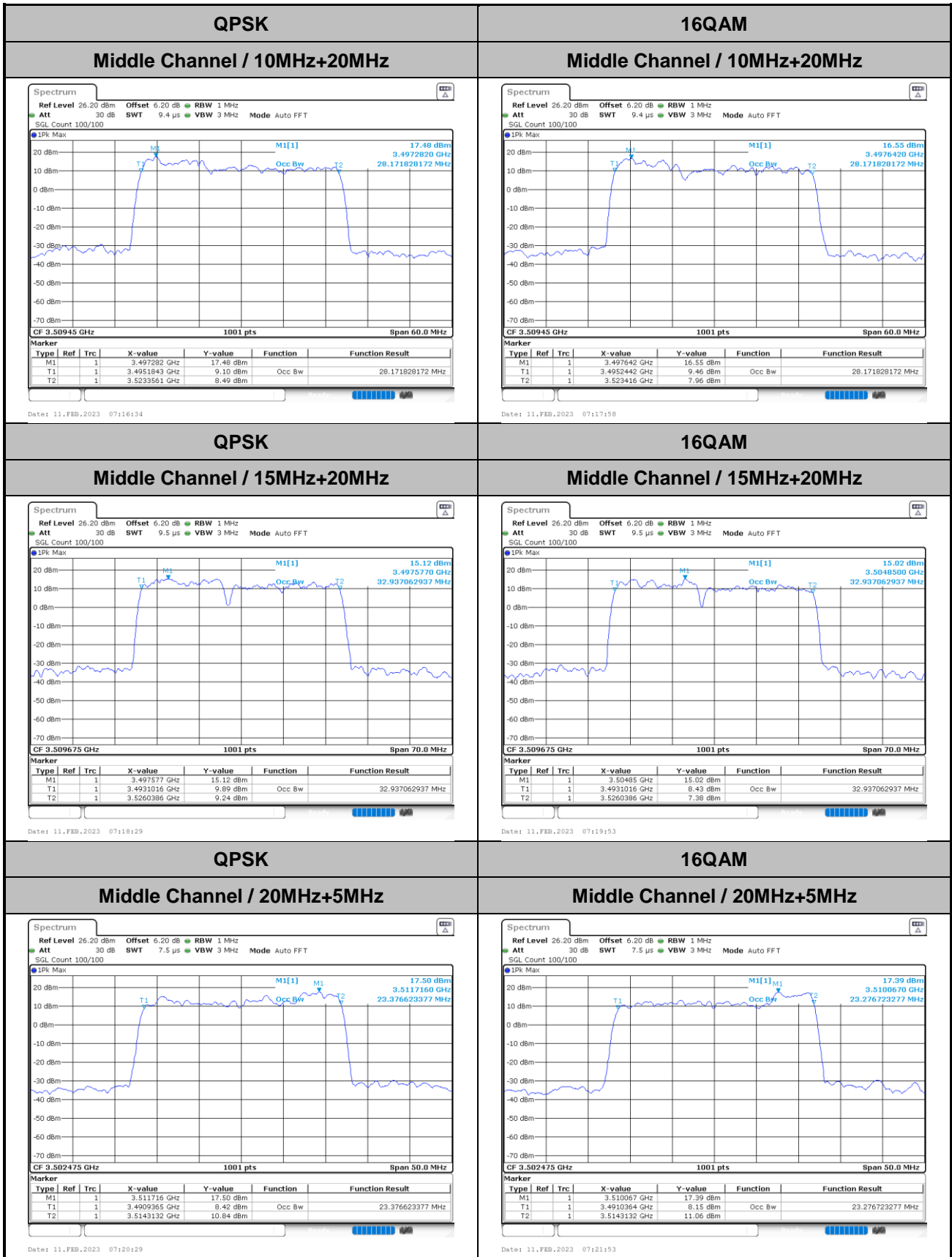


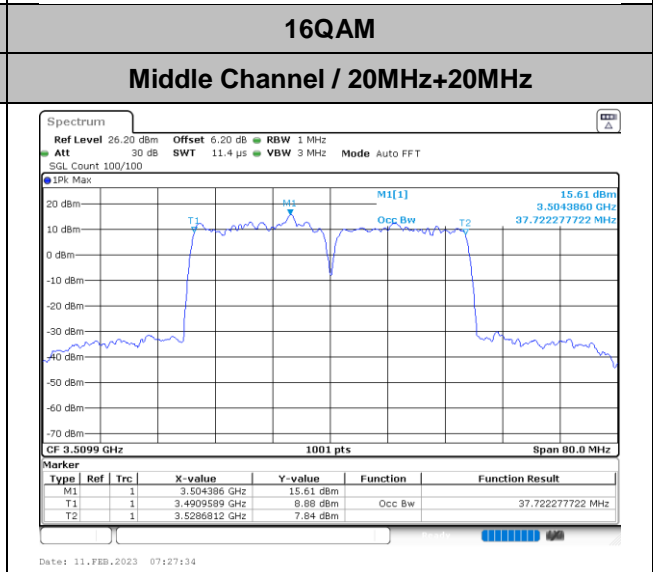
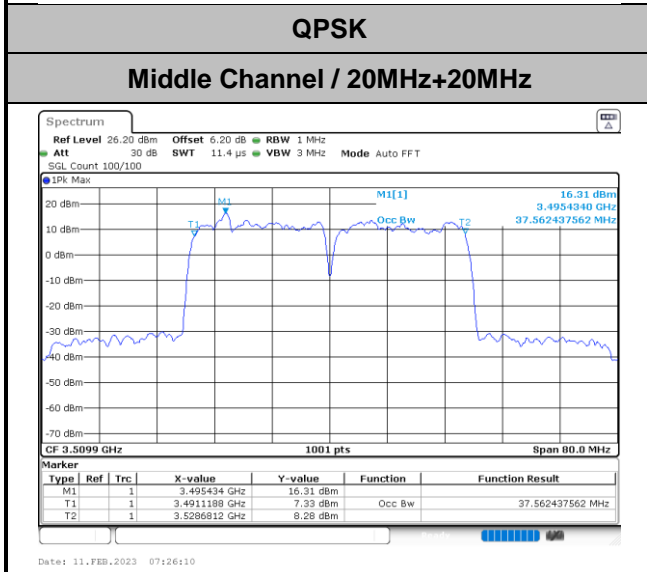
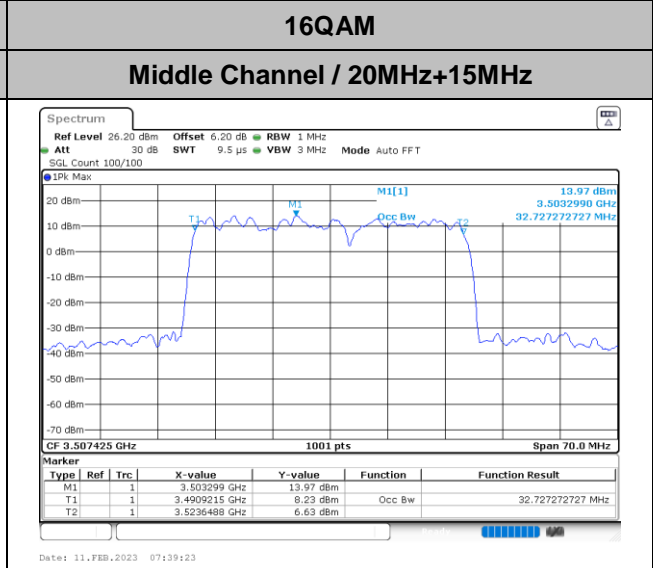
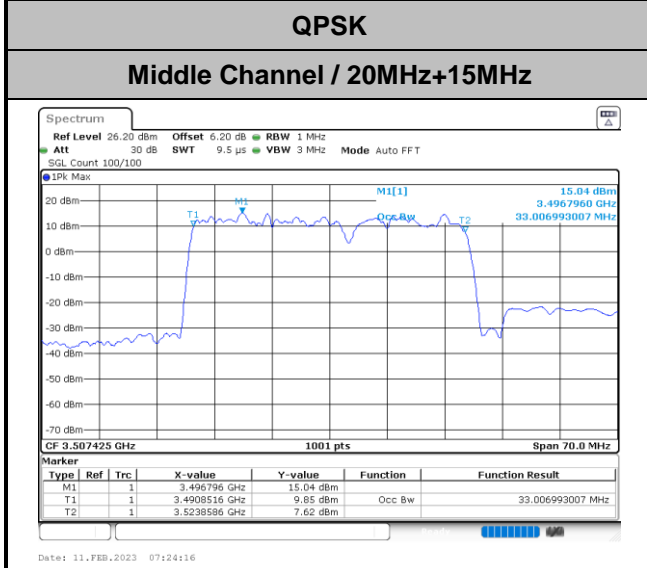
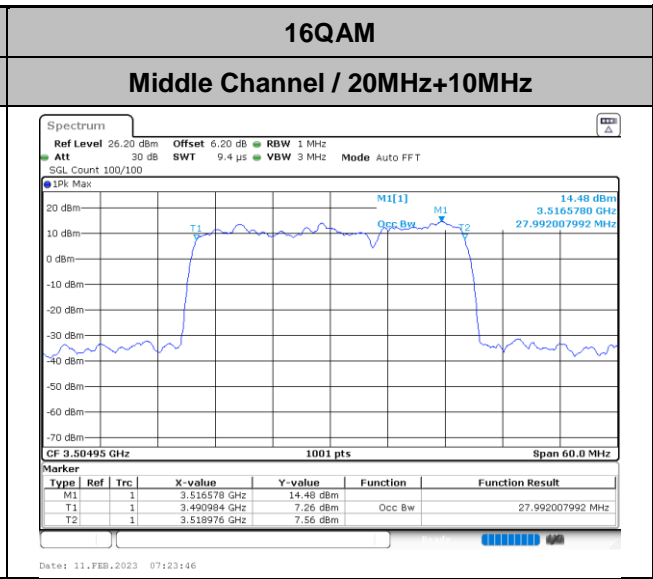
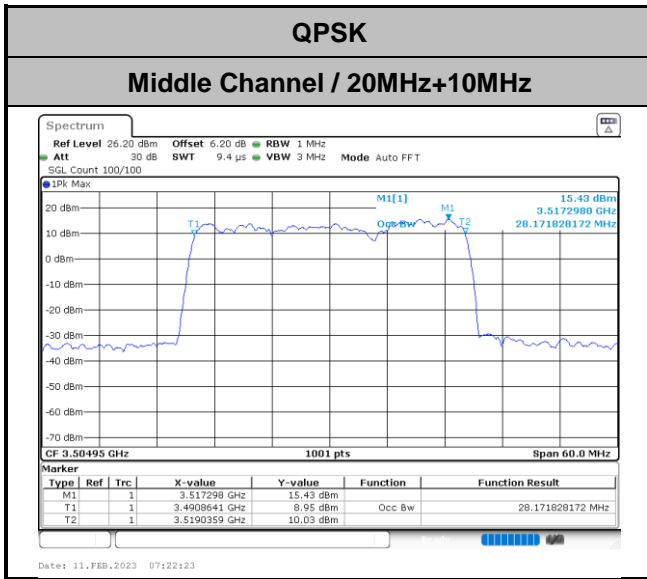


### Occupied Bandwidth

Mode	LTE Band 42C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	23.23	23.23
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	28.17	28.17
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.94	32.94
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.38	23.28
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	28.17	27.99
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	33.01	32.73
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.56	37.72







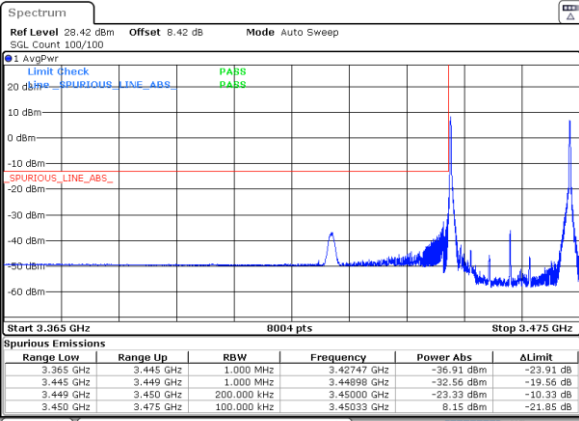


# Conducted Band Edge

## LTE Band 42C / 5MHz+20MHz

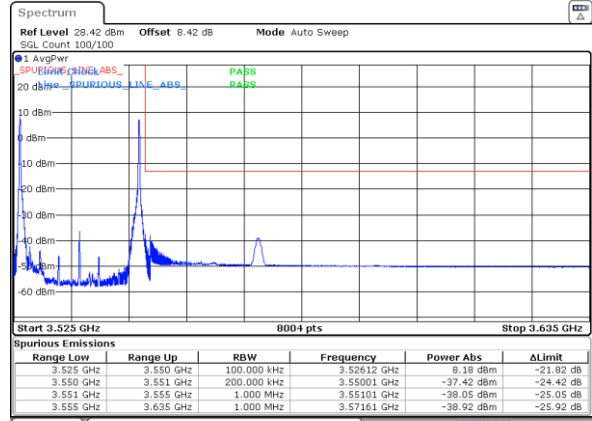
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB99



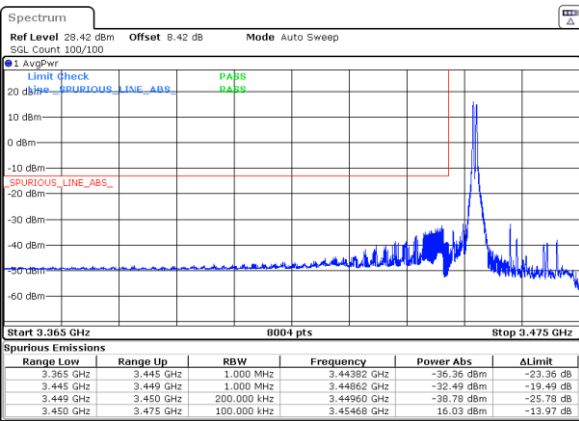
Date: 11.FEB.2023 02:29:14

#### Highest Band Edge / 1RB0 and 1RB99



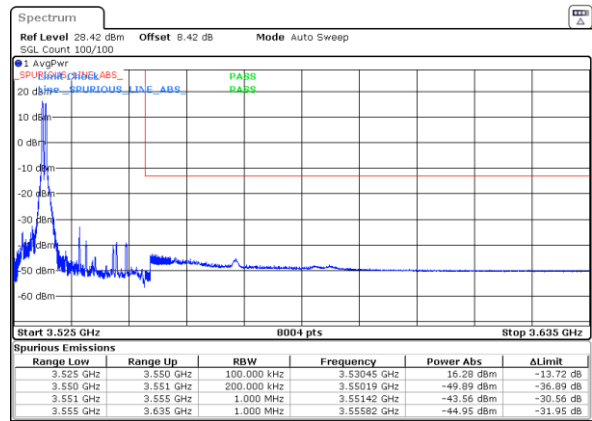
Date: 11.FEB.2023 02:49:24

#### Lowest Band Edge / 1RB24 and 1RB0



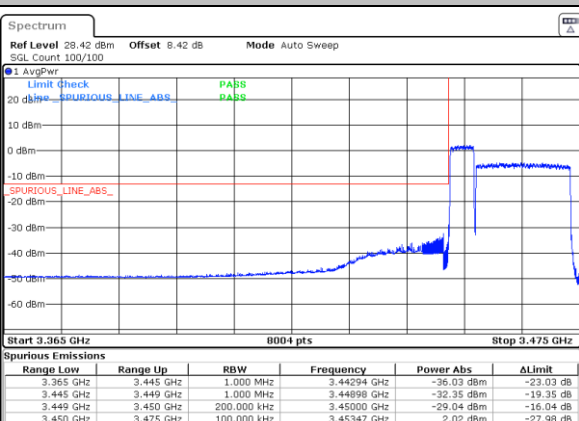
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#### Highest Band Edge / 1RB24 and 1RB0



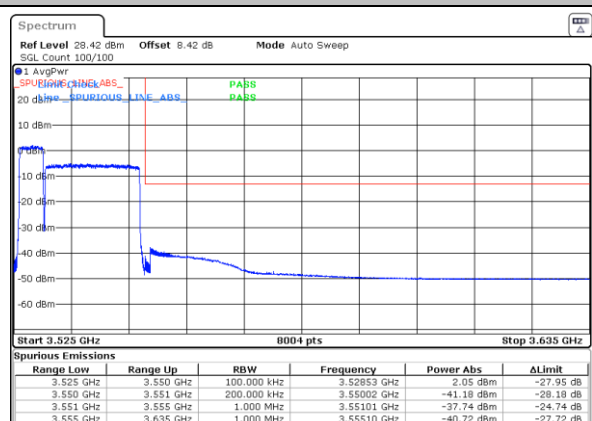
Date: 11.FEB.2023 02:38:11

#### Lowest Band Edge / Full RB



Date: 11.FEB.2023 02:23:24

#### Highest Band Edge / Full RB



Date: 11.FEB.2023 02:44:02

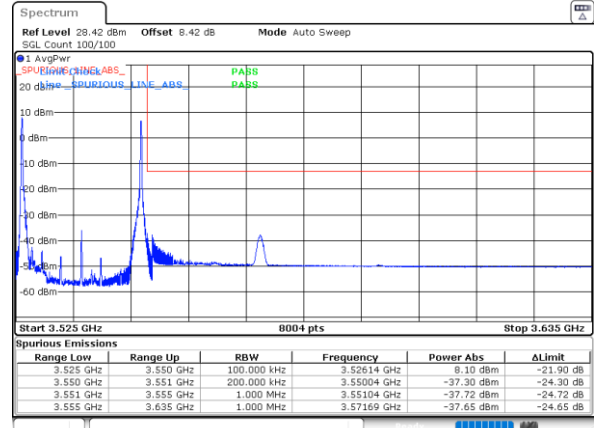
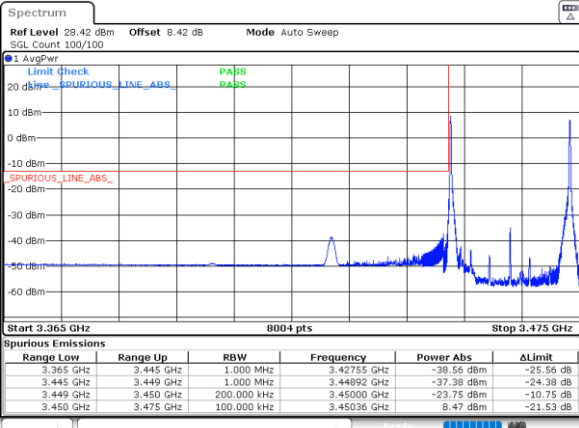


LTE Band 42C / 5MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

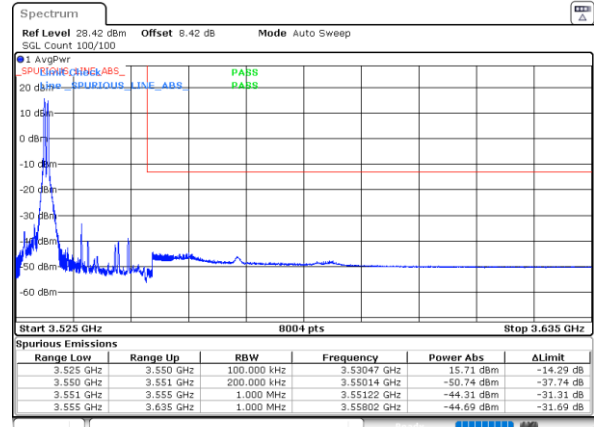
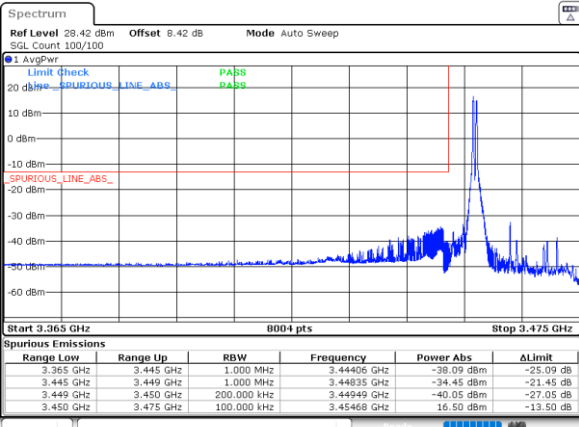


Date: 11.FEB.2023 02:10:41

Date: 11.FEB.2023 02:50:36

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

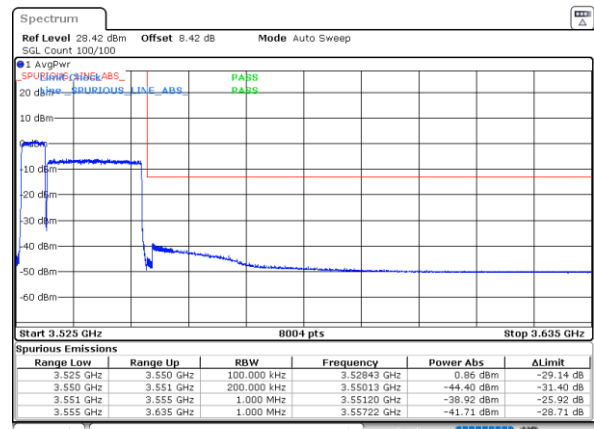
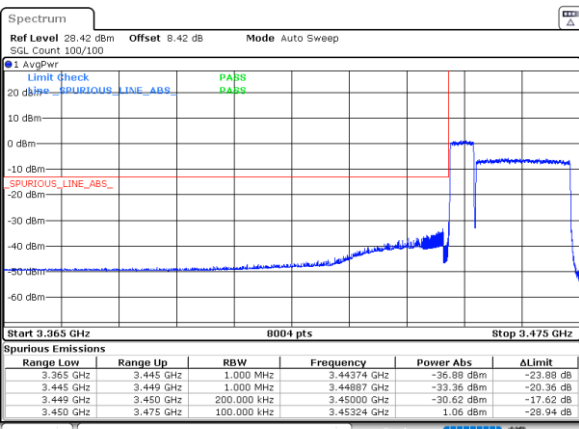


Date: 11.FEB.2023 02:19:01

Date: 11.FEB.2023 02:39:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2023 02:24:51

Date: 11.FEB.2023 02:45:29

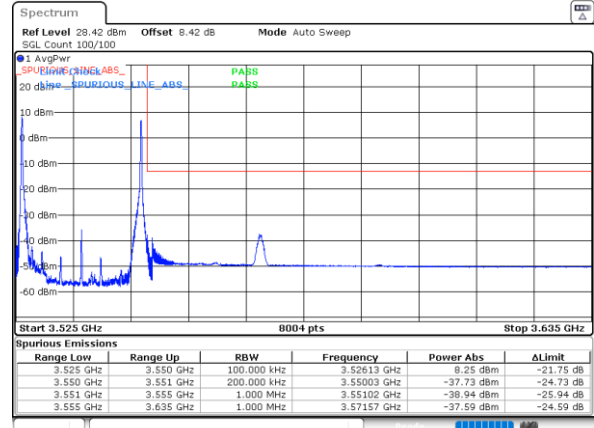
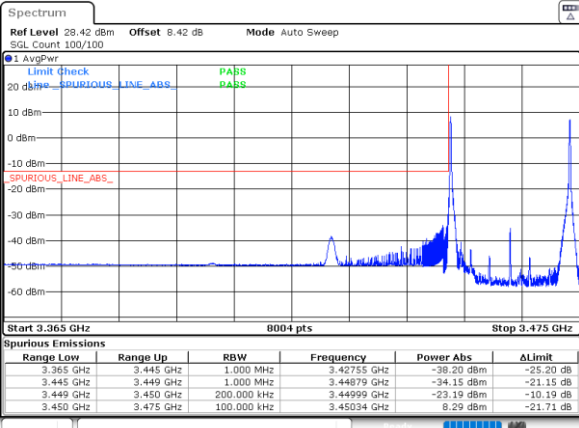


LTE Band 42C / 5MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

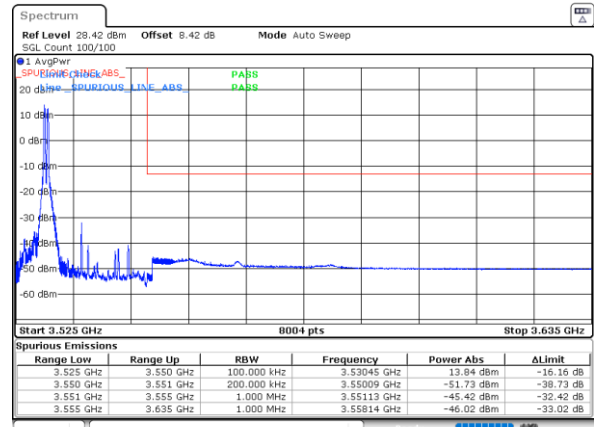
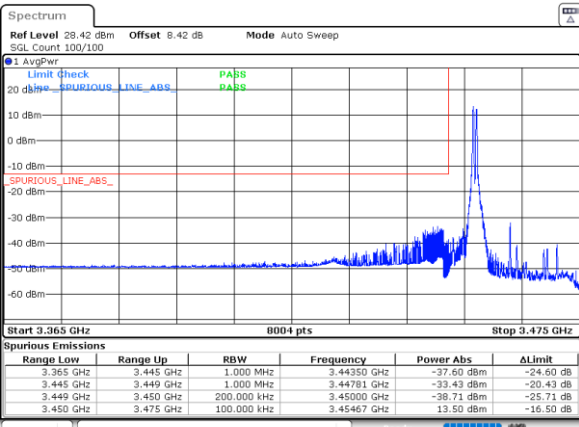


Date: 11.FEB.2023 02:32:09

Date: 11.FEB.2023 02:51:49

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

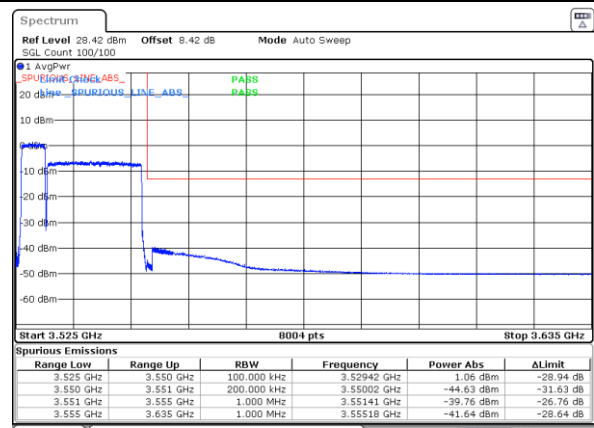
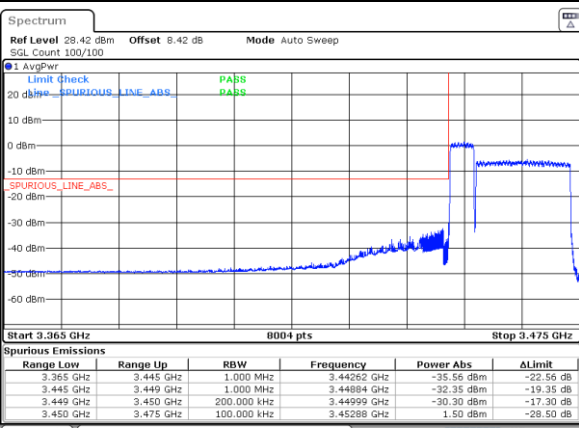


Date: 11.FEB.2023 02:20:29

Date: 11.FEB.2023 02:41:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2023 02:26:19

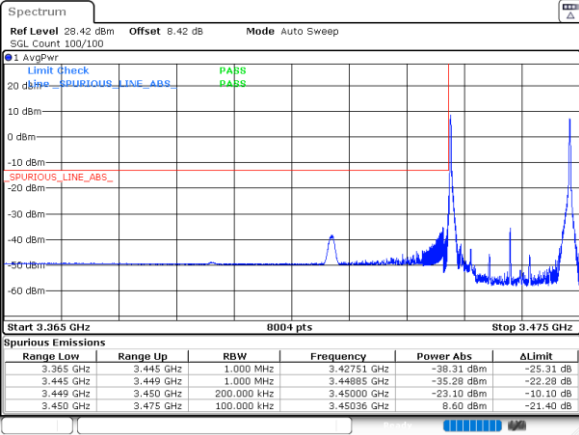
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LTE Band 42C / 5MHz+20MHz

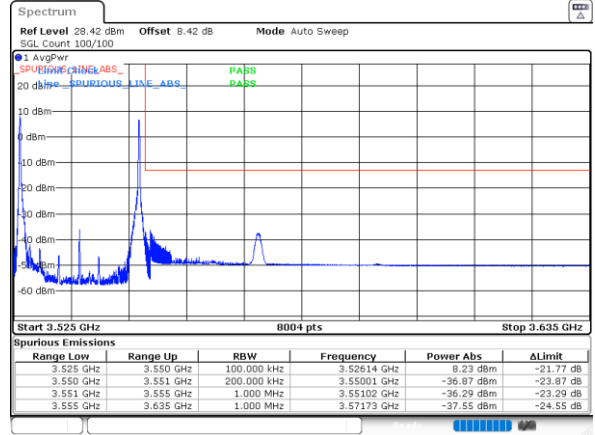
256QAM

Lowest Band Edge / 1RB0 and 1RB9



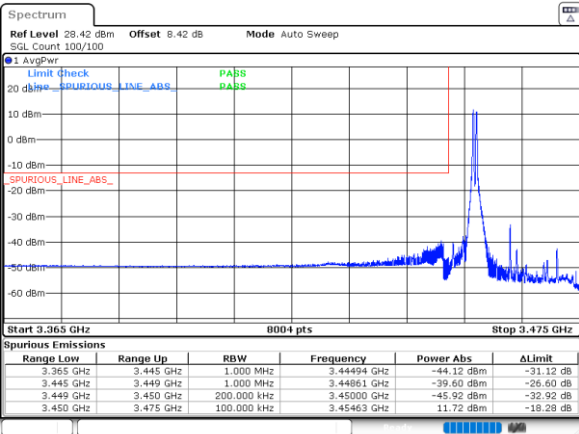
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Highest Band Edge / 1RB0 and 1RB9



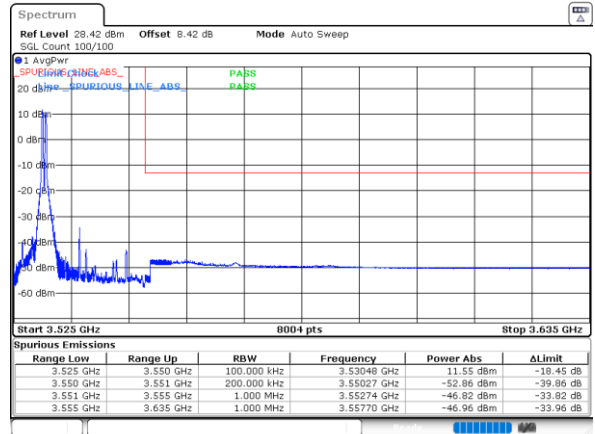
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Lowest Band Edge / 1RB24 and 1RB0



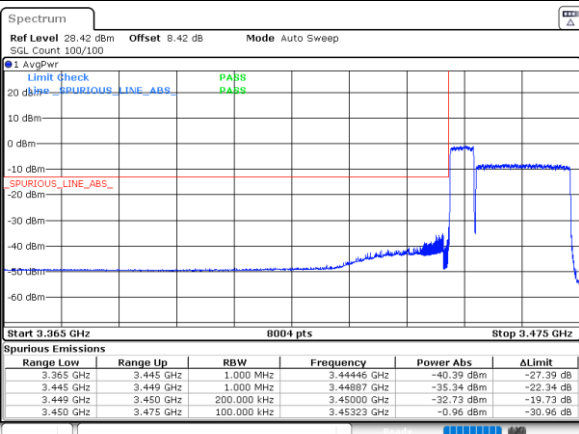
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Highest Band Edge / 1RB24 and 1RB0



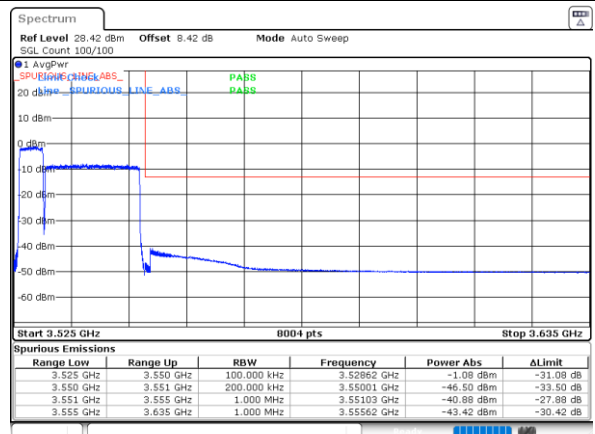
Date: 11.FEB.2023 02:42:34

Lowest Band Edge / Full RB



Date: 11.FEB.2023 02:27:46

Highest Band Edge / Full RB



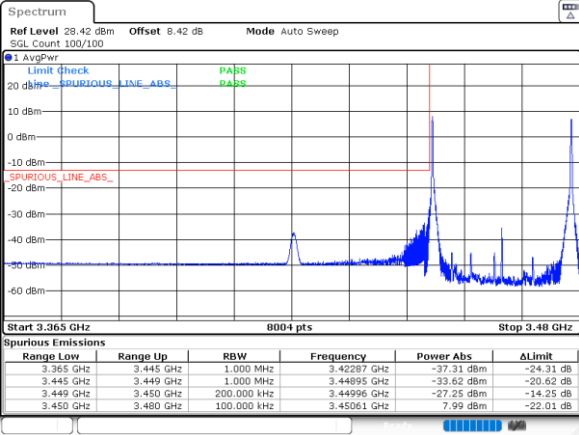
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LTE Band 42C / 10MHz+20MHz

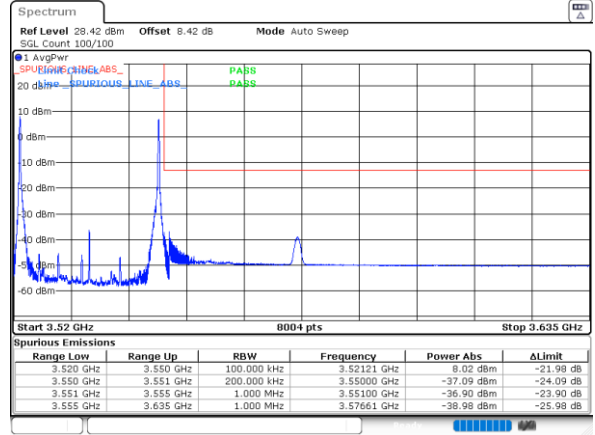
QPSK

Lowest Band Edge / 1RB0 and 1RB9



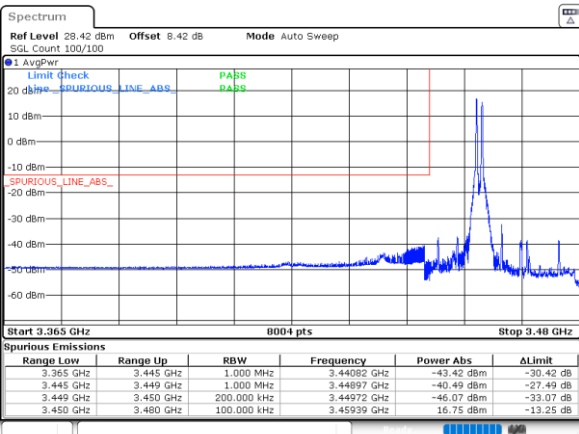
Date: 11.FEB.2023 03:05:29

Highest Band Edge / 1RB0 and 1RB9



Date: 11.FEB.2023 03:23:08

Lowest Band Edge / 1RB49 and 1RB0



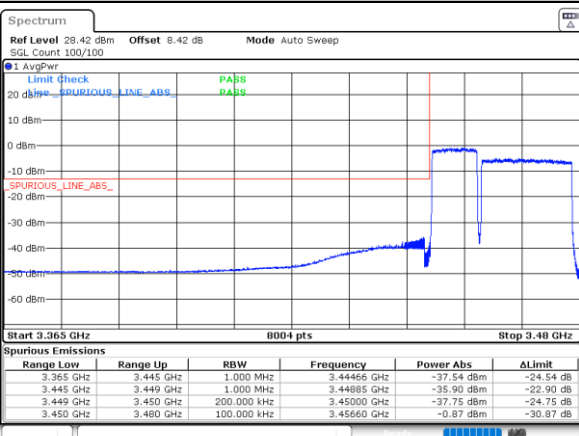
Date: 11.FEB.2023 02:55:49

Highest Band Edge / 1RB49 and 1RB0



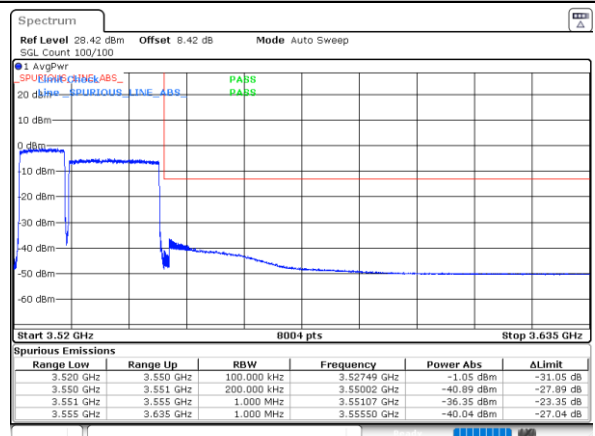
Date: 11.FEB.2023 03:13:26

Lowest Band Edge / Full RB



Date: 11.FEB.2023 03:00:39

Highest Band Edge / Full RB



Date: 11.FEB.2023 03:18:17

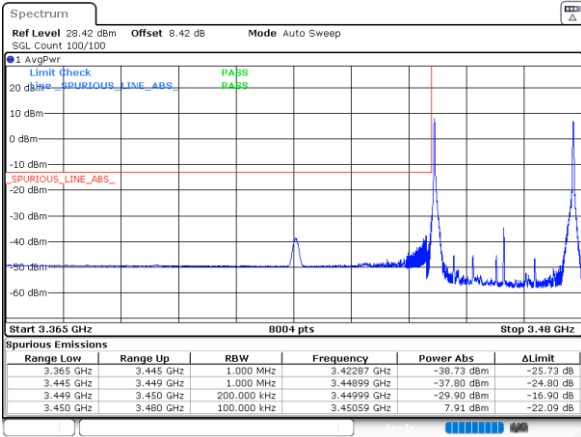




LTE Band 42C / 10MHz+20MHz

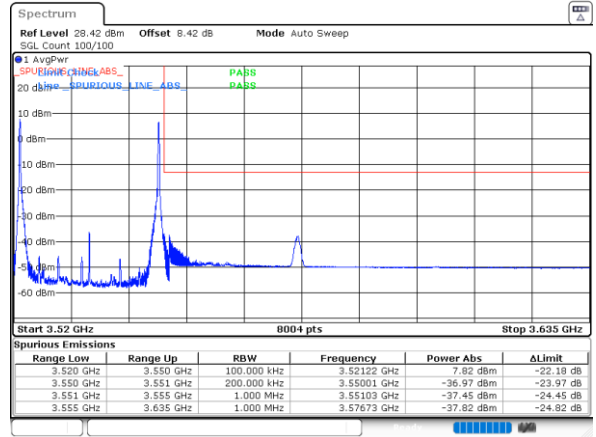
16QAM

Lowest Band Edge / 1RB0 and 1RB9



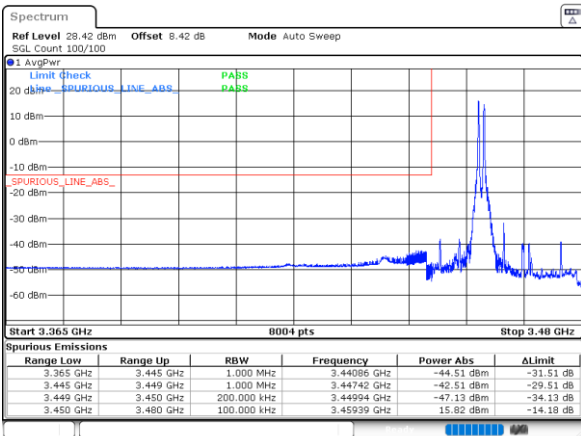
Date: 11.FEB.2023 03:06:42

Highest Band Edge / 1RB0 and 1RB9



Date: 11.FEB.2023 03:12:20

Lowest Band Edge / 1RB49 and 1RB0



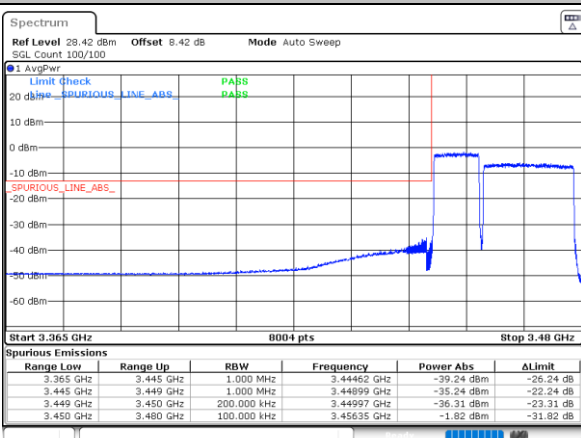
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Highest Band Edge / 1RB49 and 1RB0



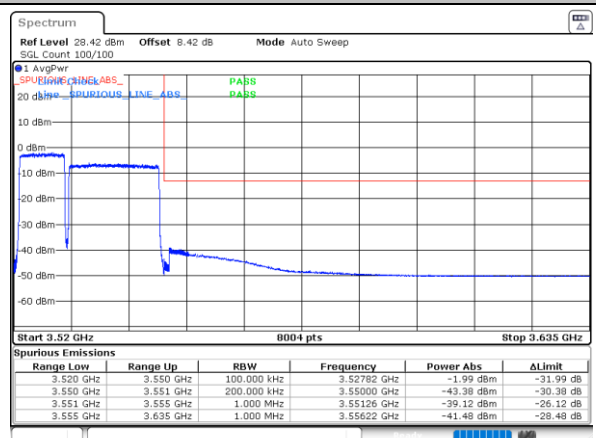
Date: 11.FEB.2023 03:14:38

Lowest Band Edge / Full RB



Date: 11.FEB.2023 03:01:52

Highest Band Edge / Full RB



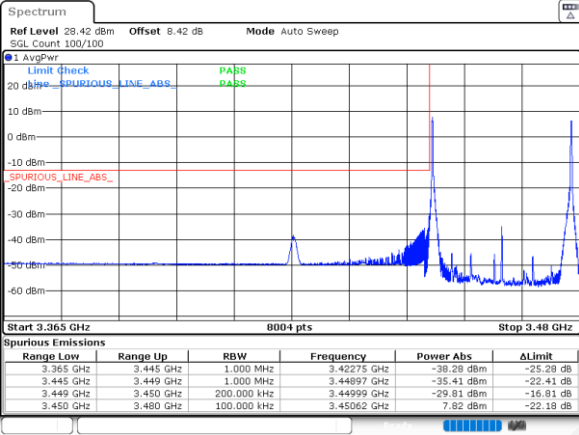
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LTE Band 42C / 10MHz+20MHz

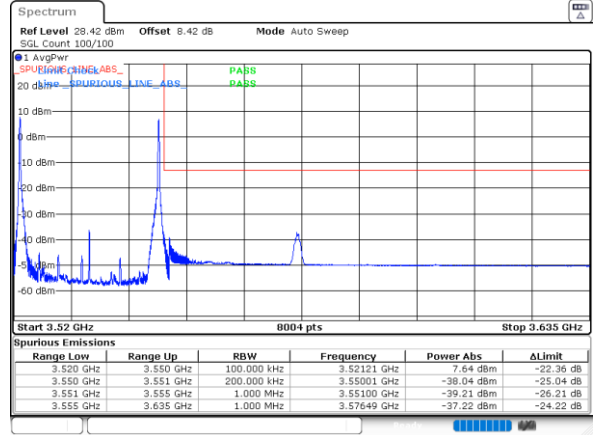
64QAM

Lowest Band Edge / 1RB0 and 1RB9



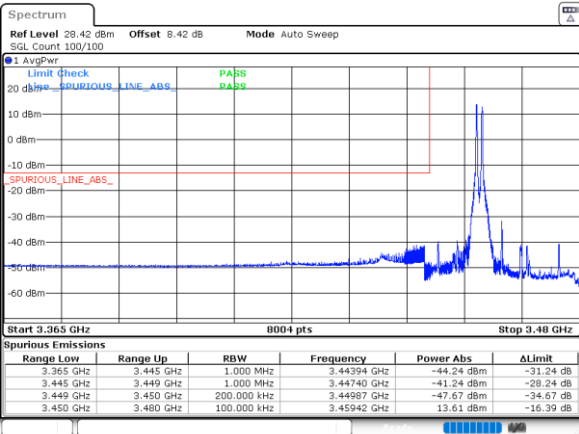
Date: 11.FEB.2023 03:07:54

Highest Band Edge / 1RB0 and 1RB9



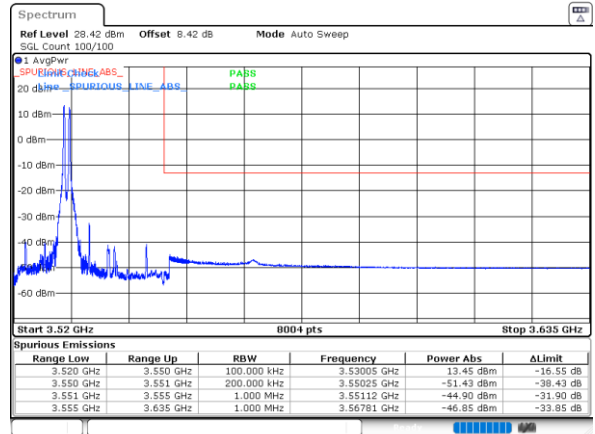
Date: 11.FEB.2023 03:25:33

Lowest Band Edge / 1RB49 and 1RB0



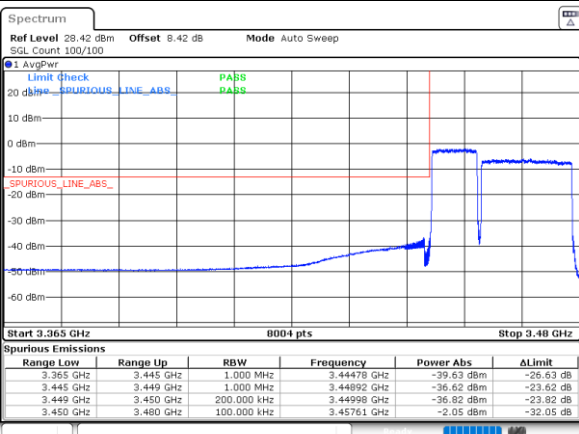
Date: 11.FEB.2023 02:58:14

Highest Band Edge / 1RB49 and 1RB0



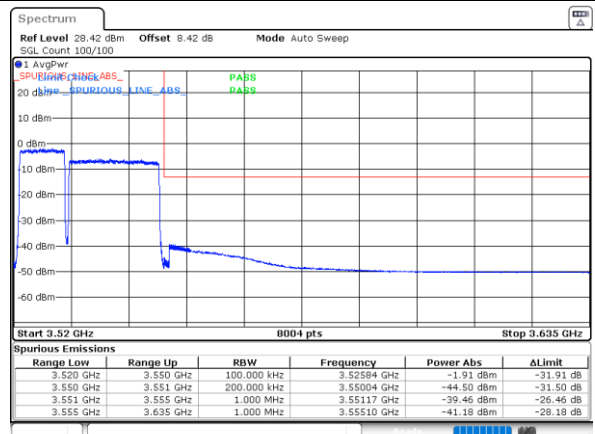
Date: 11.FEB.2023 03:15:51

Lowest Band Edge / Full RB



Date: 11.FEB.2023 03:03:04

Highest Band Edge / Full RB



Date: 11.FEB.2023 03:20:42