

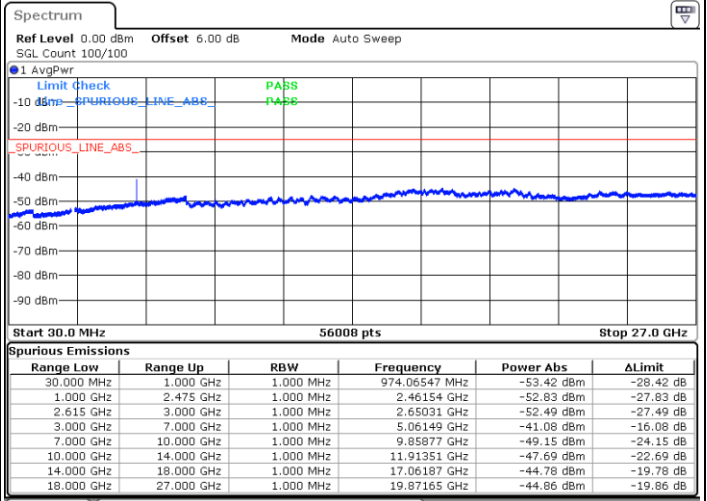
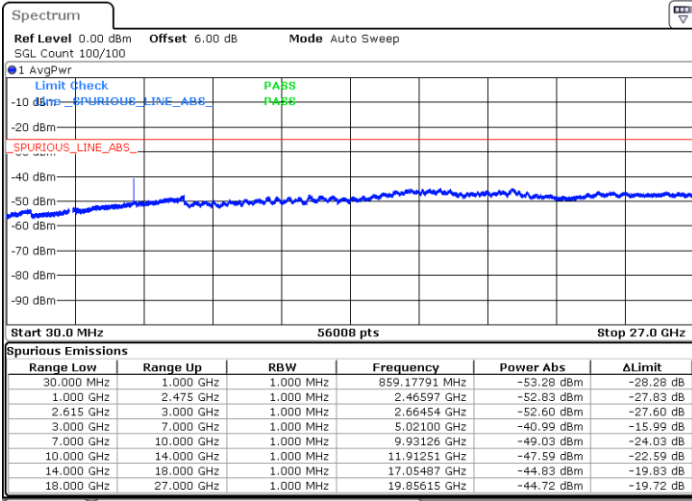


Conducted Spurious Emission

LTE Band 7C / 10MHz+20MHz

Lowest Channel / QPSK

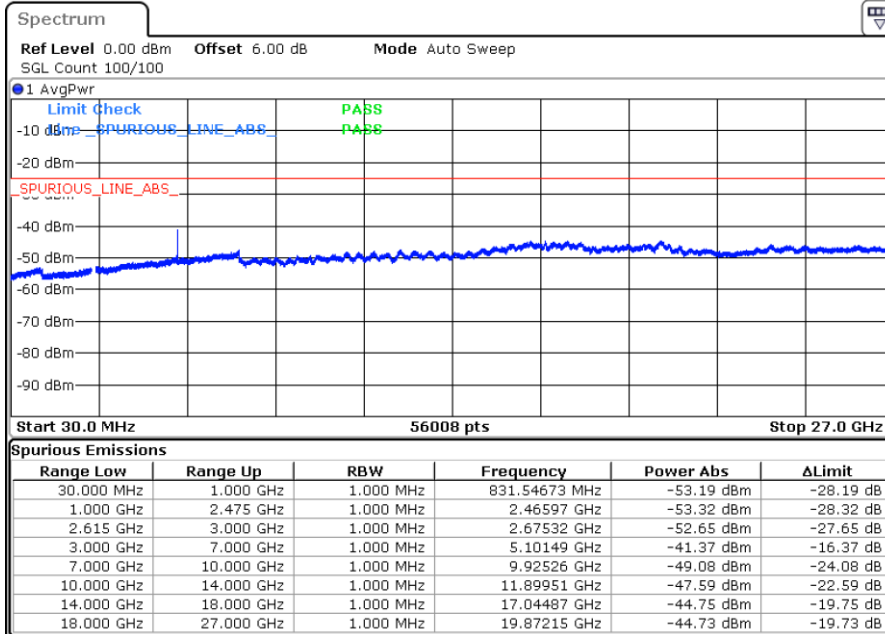
Middle Channel / QPSK



Date: 8.FEB.2023 19:47:23

Date: 8.FEB.2023 19:58:13

Highest Channel / QPSK



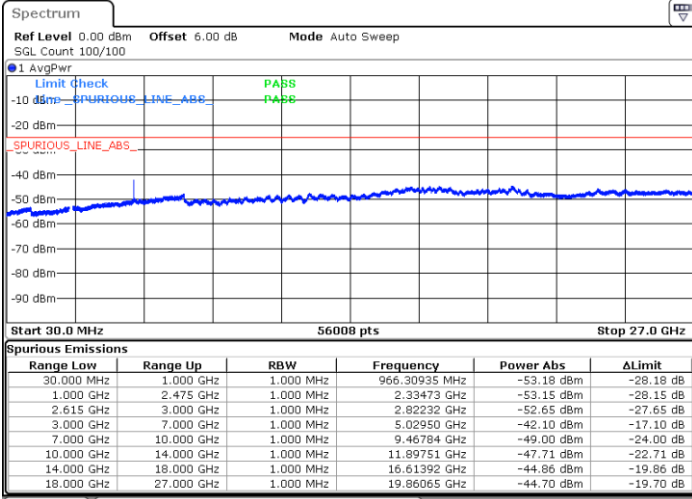
Date: 8.FEB.2023 19:59:49



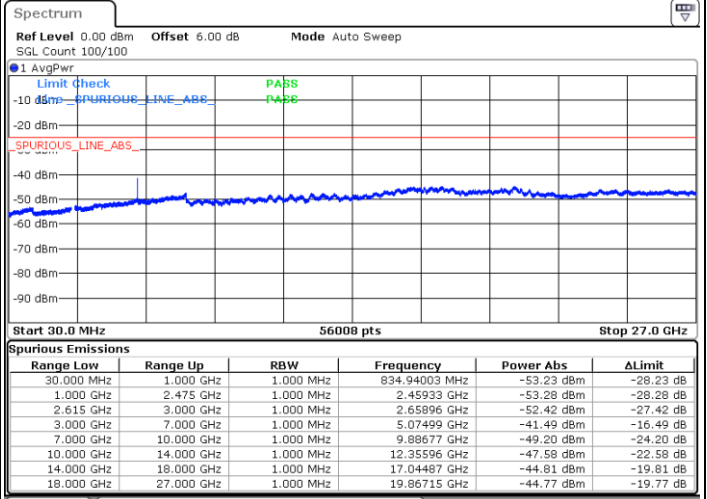
LTE Band 7C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

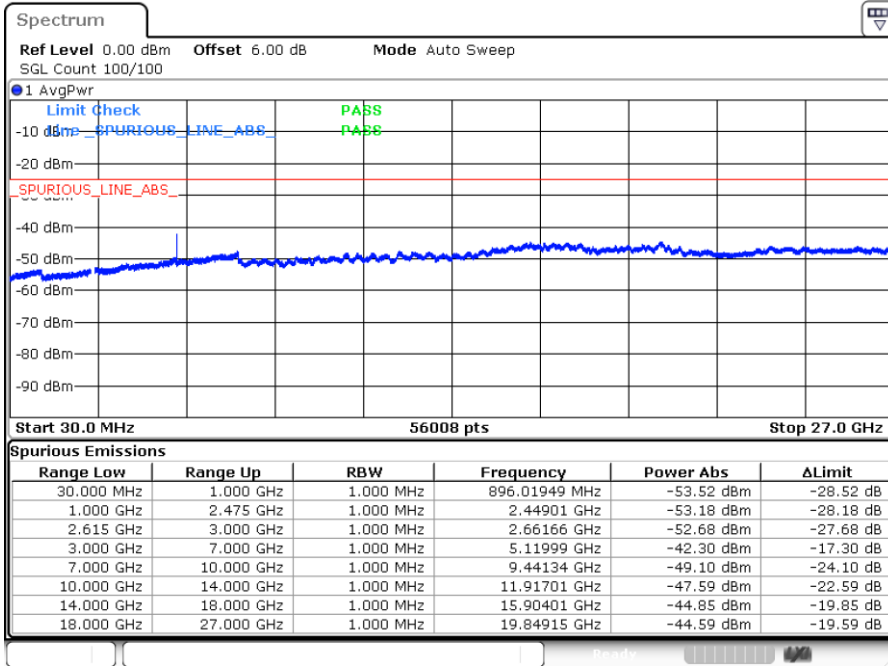


Date: 8.FEB.2023 20:10:34



Date: 8.FEB.2023 20:21:20

Highest Channel / QPSK



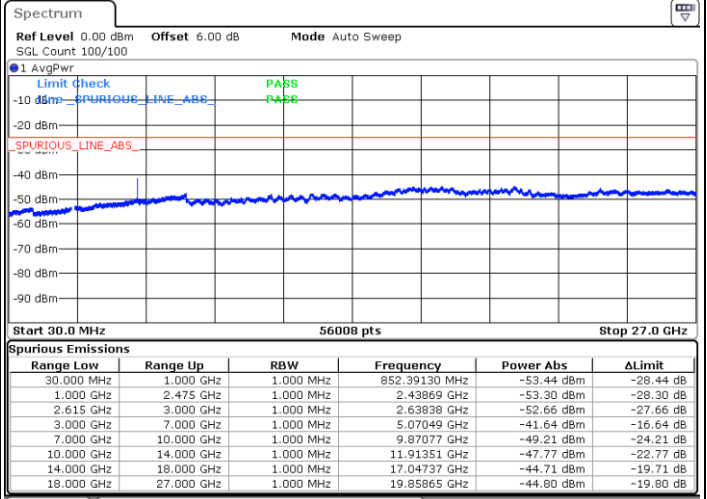
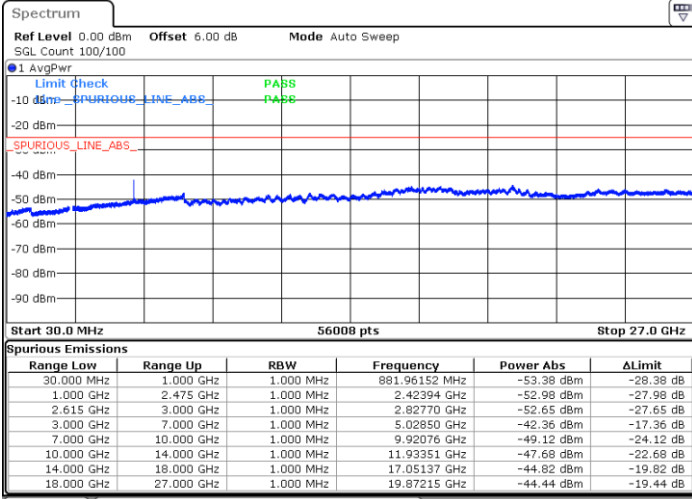
Date: 8.FEB.2023 20:22:56



LTE Band 7C / 15MHz+15MHz

Lowest Channel / QPSK

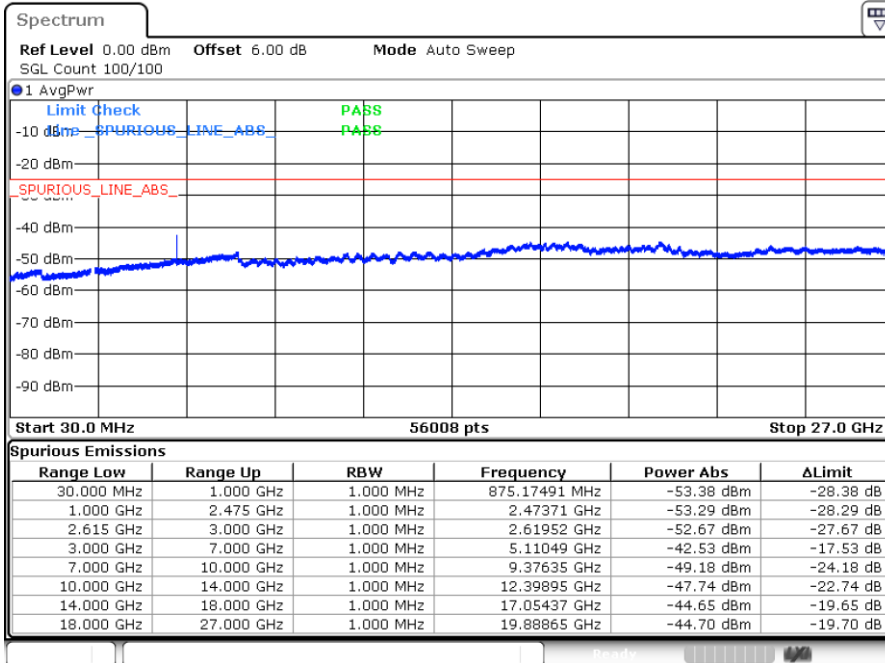
Middle Channel / QPSK



Date: 8.FEB.2023 20:33:37

Date: 8.FEB.2023 20:44:20

Highest Channel / QPSK



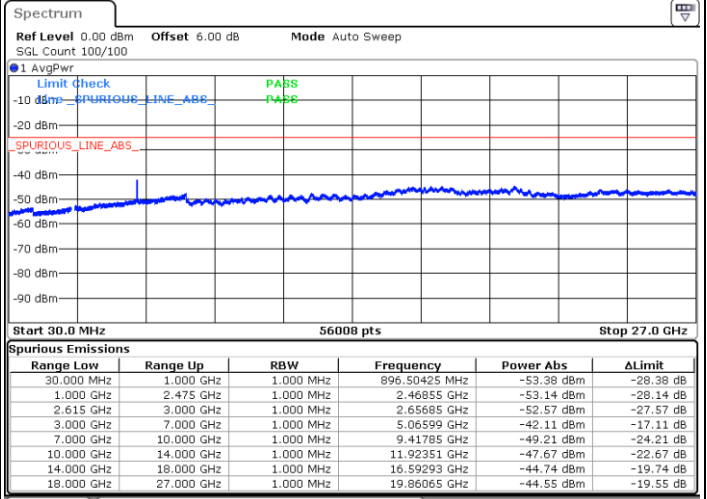
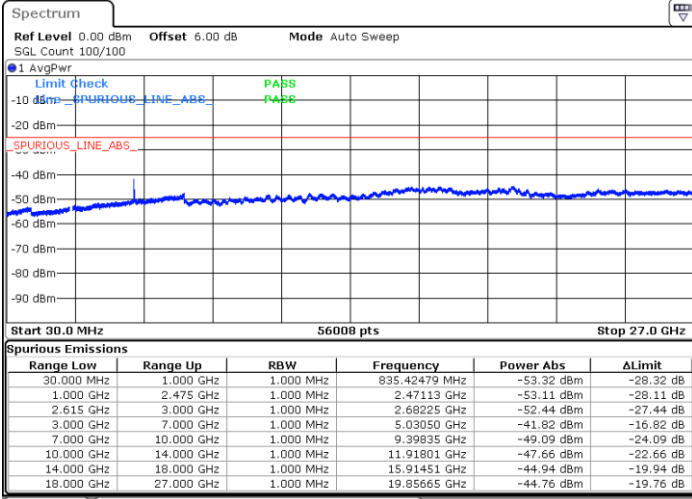
Date: 8.FEB.2023 20:45:56



LTE Band 7C / 15MHz+20MHz

Lowest Channel / QPSK

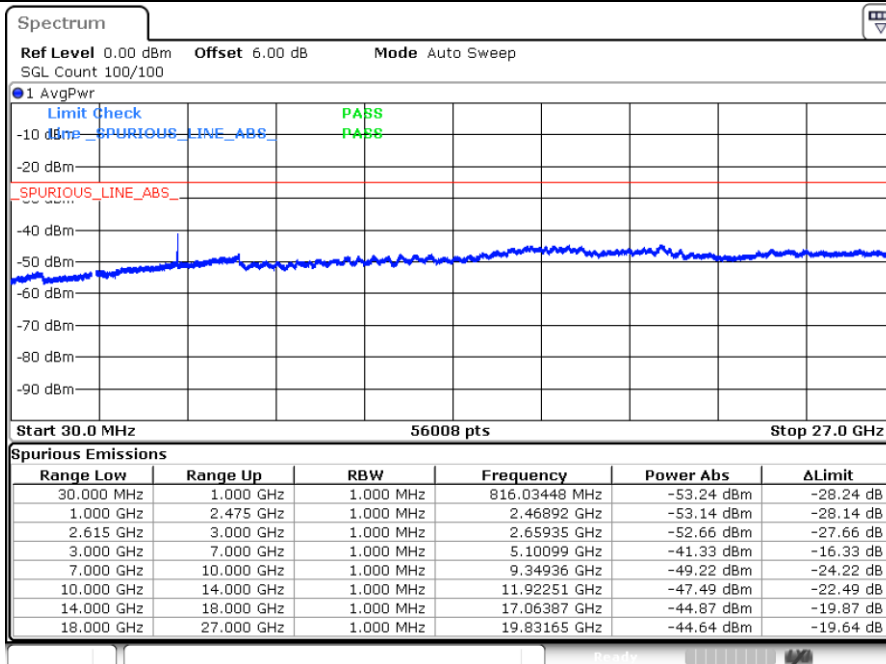
Middle Channel / QPSK



Date: 8.FEB.2023 20:56:36

Date: 8.FEB.2023 21:07:18

Highest Channel / QPSK



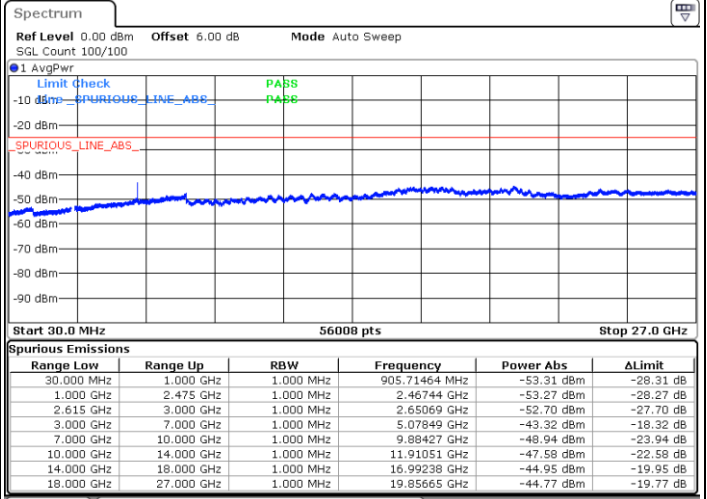
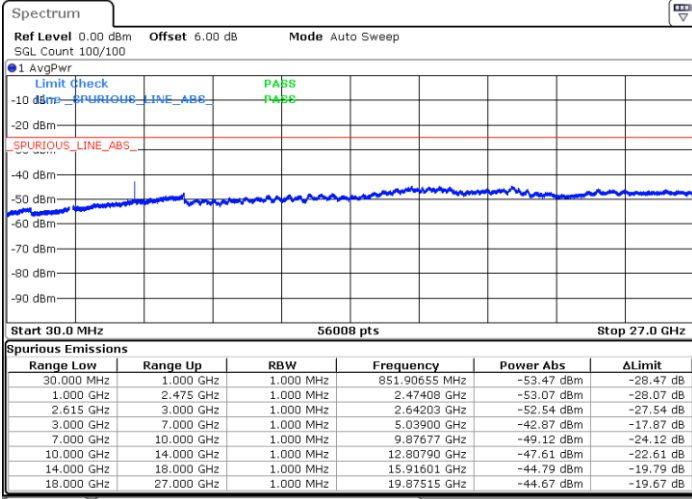
Date: 8.FEB.2023 21:08:54



LTE Band 7C / 20MHz+10MHz

Lowest Channel / QPSK

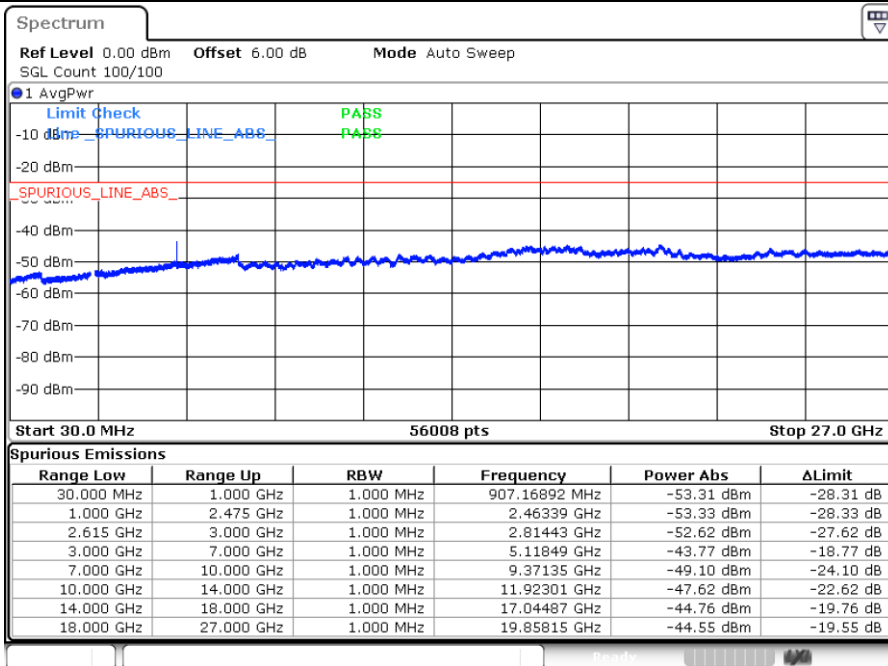
Middle Channel / QPSK



Date: 8.FEB.2023 21:19:32

Date: 8.FEB.2023 21:30:13

Highest Channel / QPSK



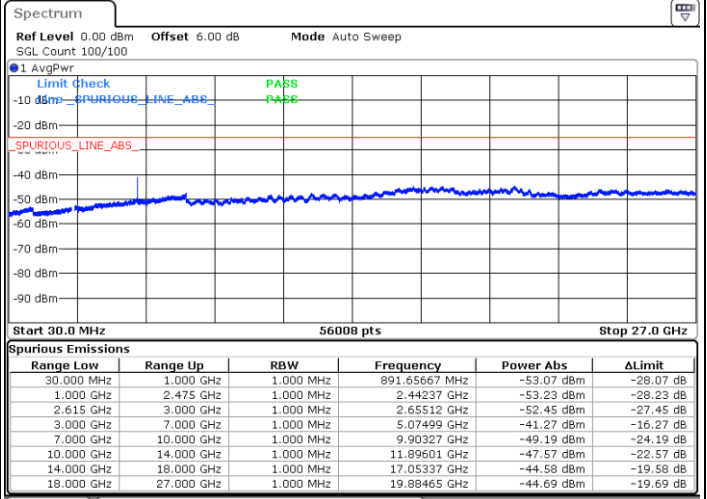
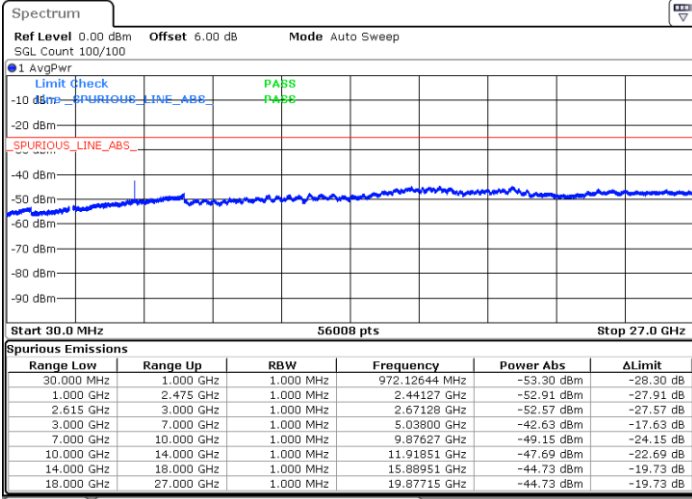
Date: 8.FEB.2023 21:31:49



LTE Band 7C / 20MHz+15MHz

Lowest Channel / QPSK

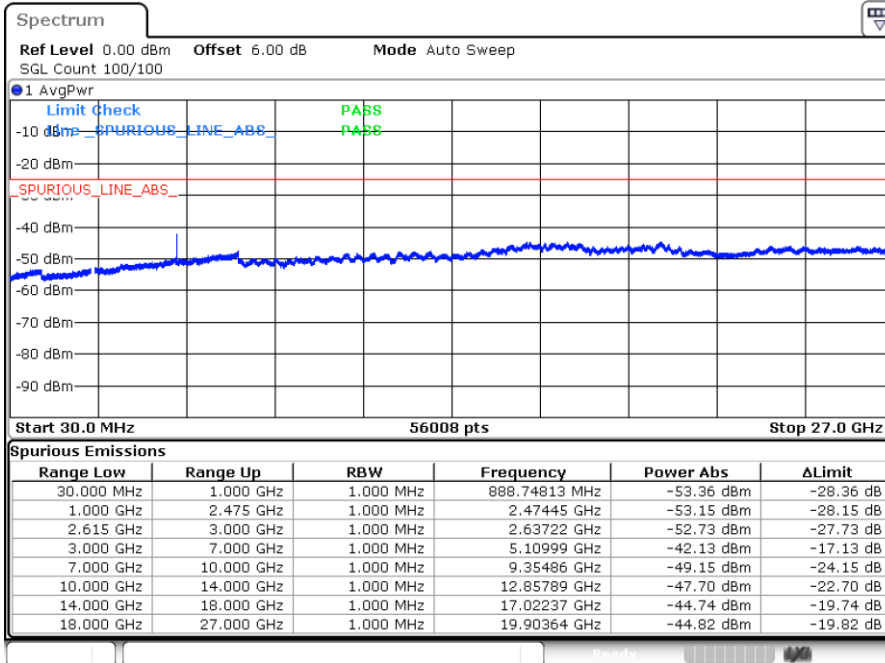
Middle Channel / QPSK



Date: 8.FEB.2023 21:42:30

Date: 8.FEB.2023 21:53:11

Highest Channel / QPSK



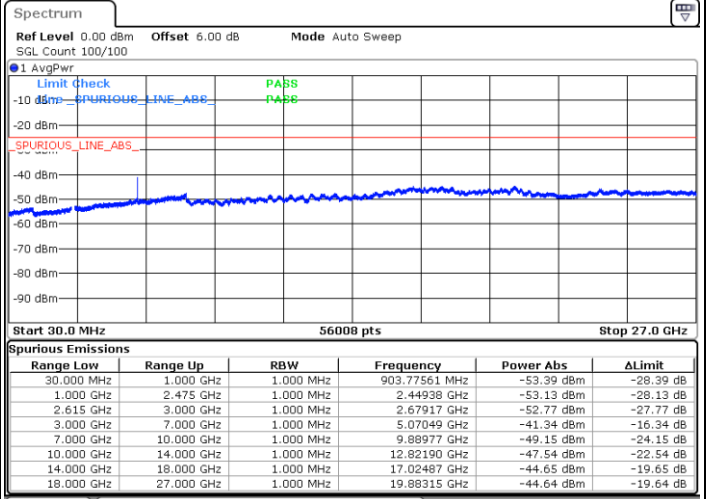
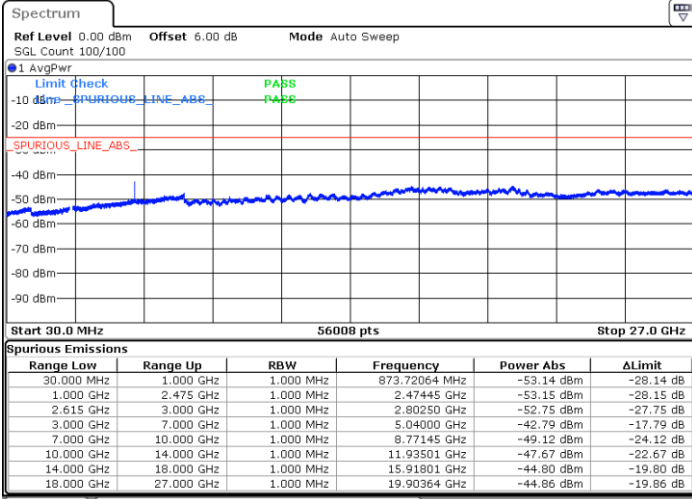
Date: 8.FEB.2023 21:54:47



LTE Band 7C /20MHz+20MHz

Lowest Channel / QPSK

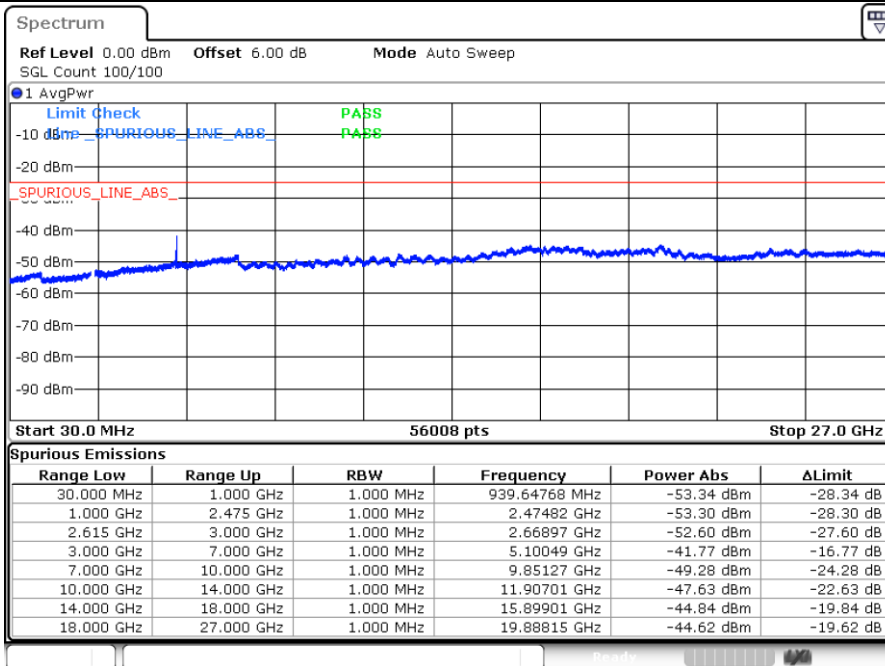
Middle Channel / QPSK



Date: 8.FEB.2023 22:05:24

Date: 8.FEB.2023 22:16:06

Highest Channel / QPSK



Date: 8.FEB.2023 22:17:42



Frequency Stability

Test Conditions		LTE Band 7C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0022	
20	Battery End Point	0.0008	

Note:

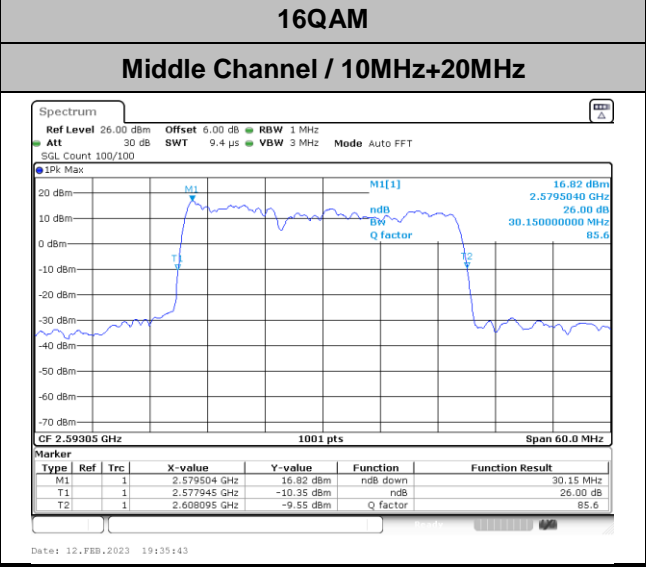
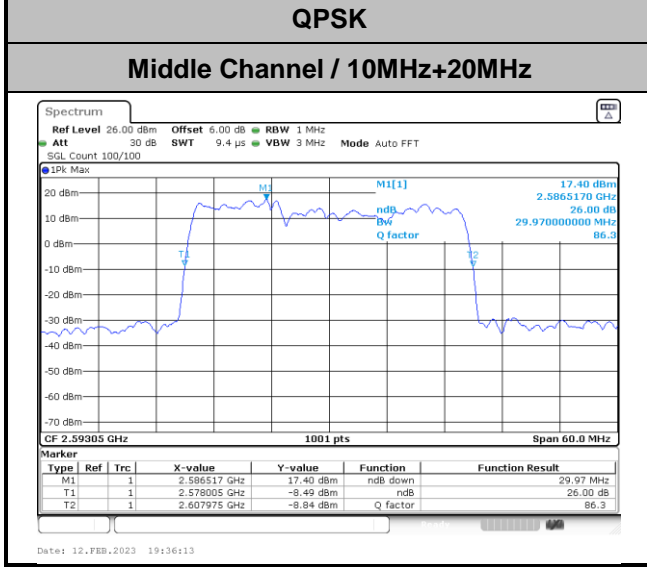
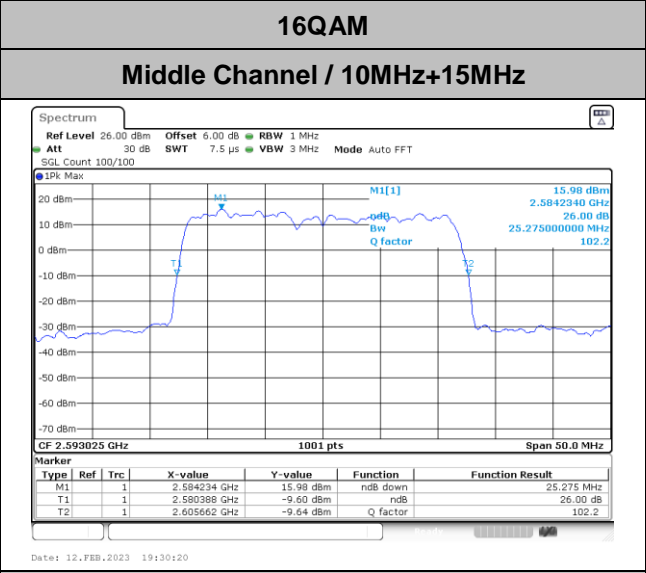
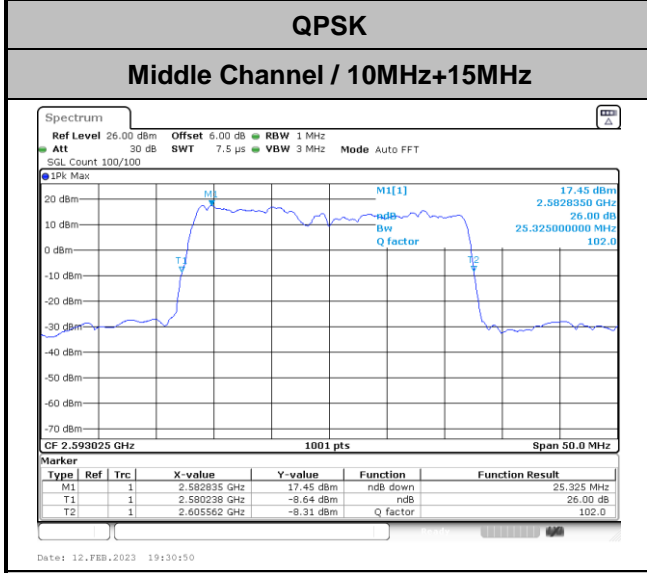
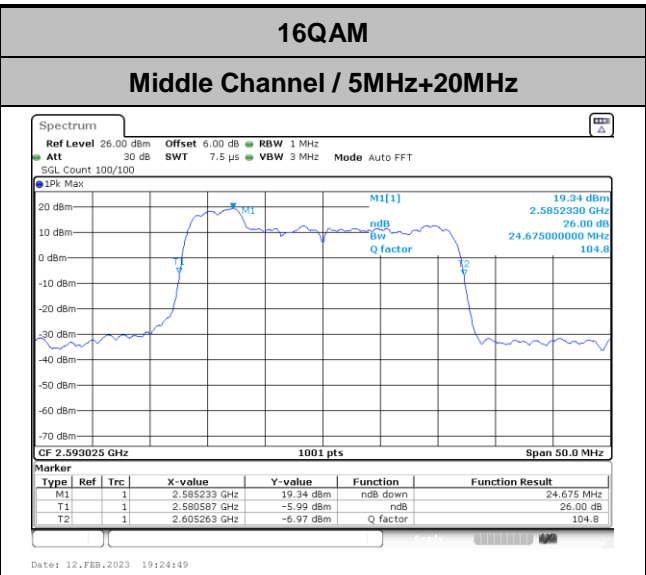
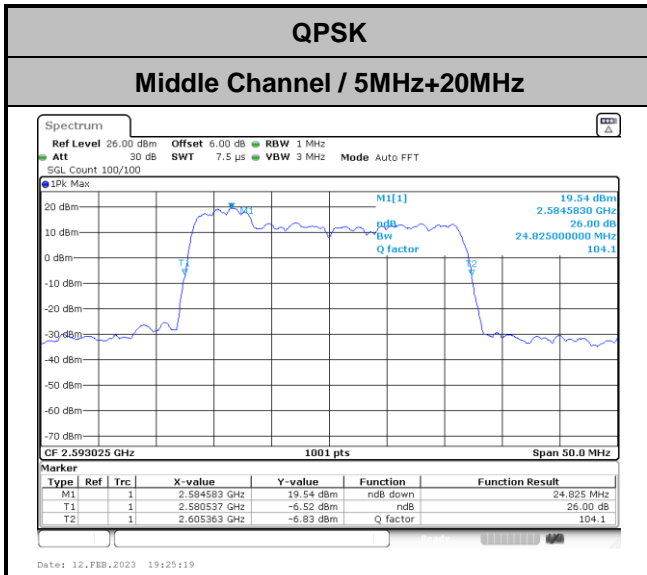
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

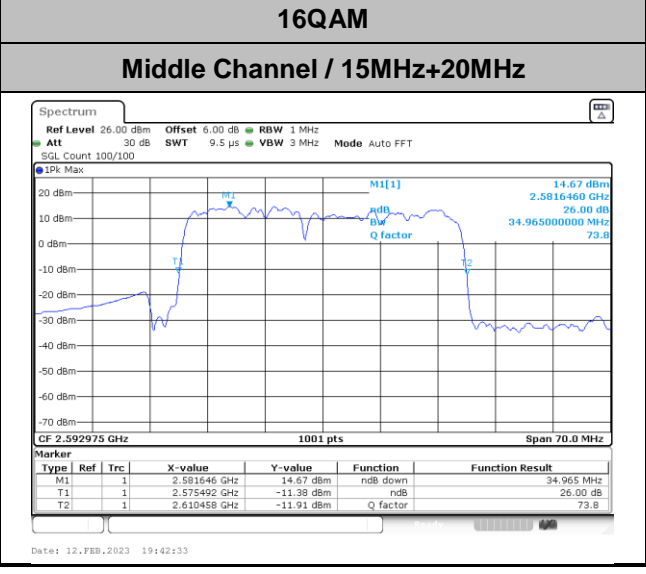
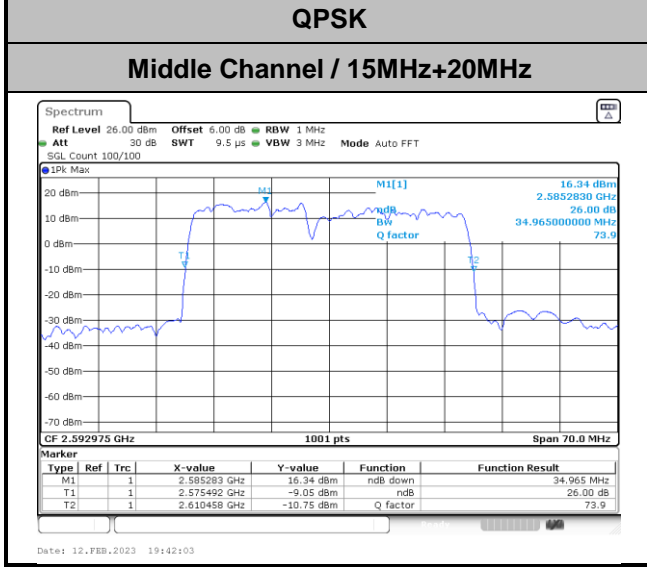
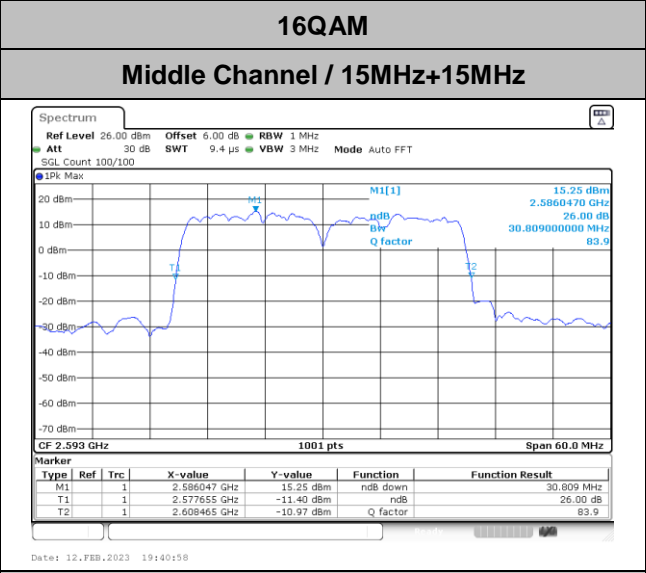
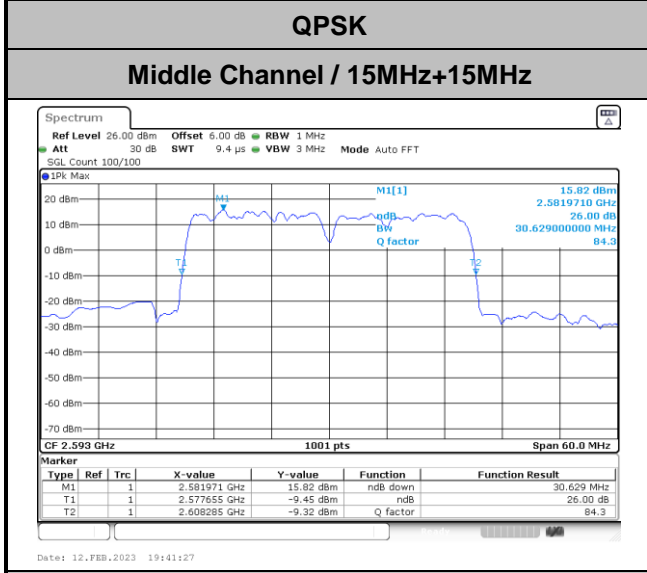
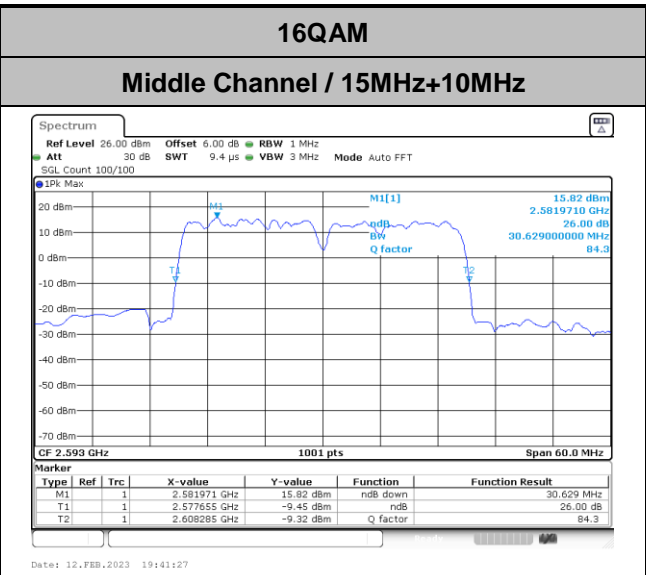
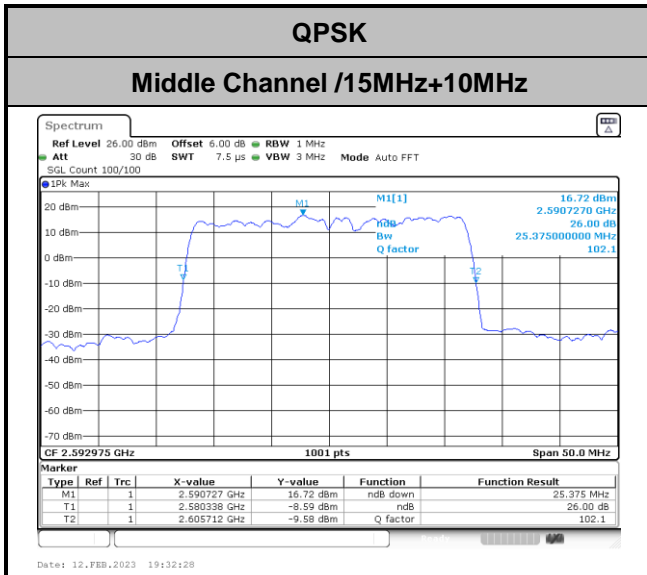


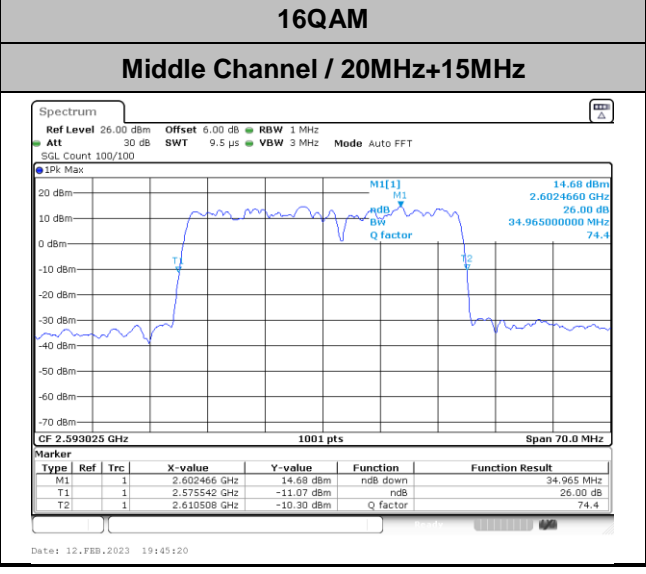
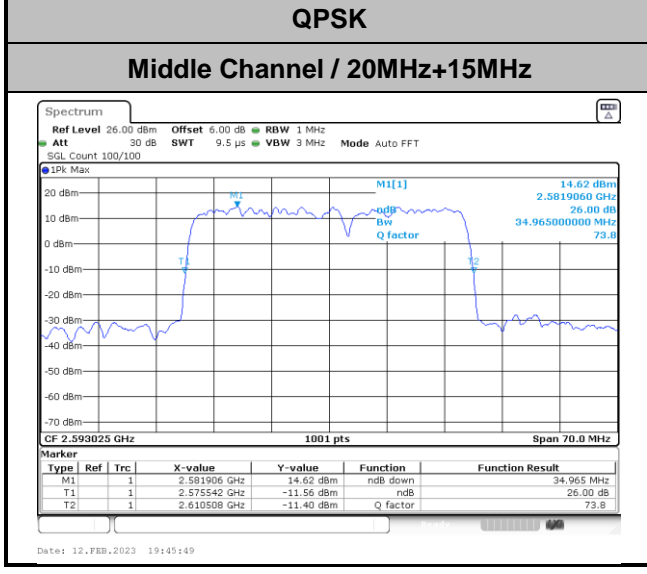
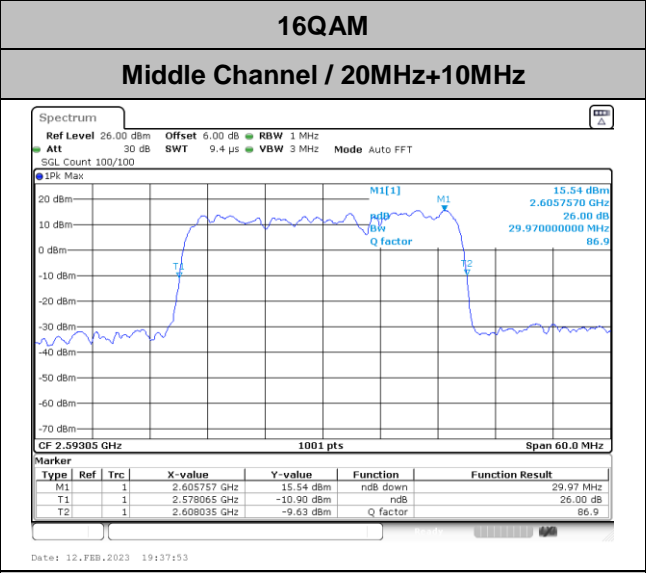
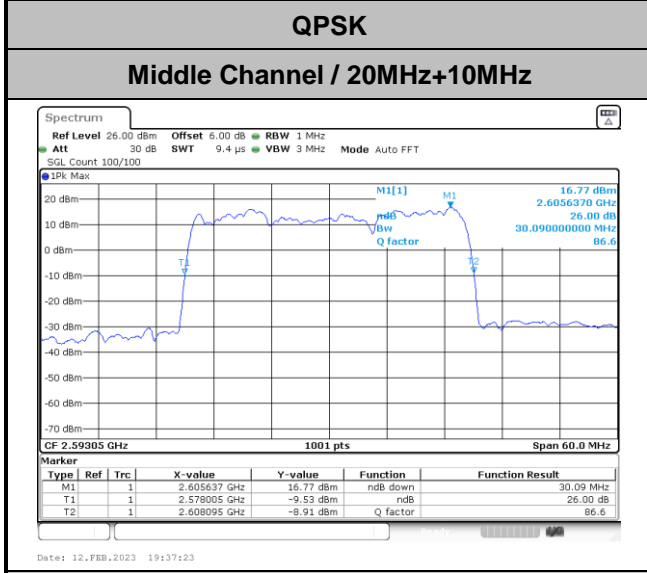
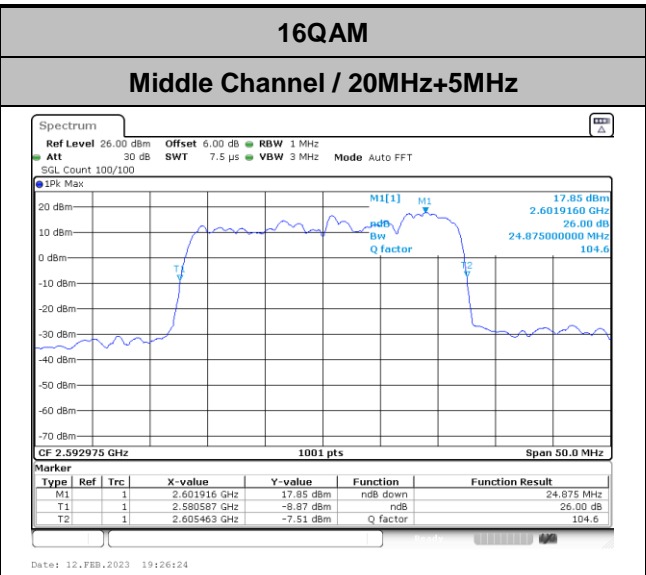
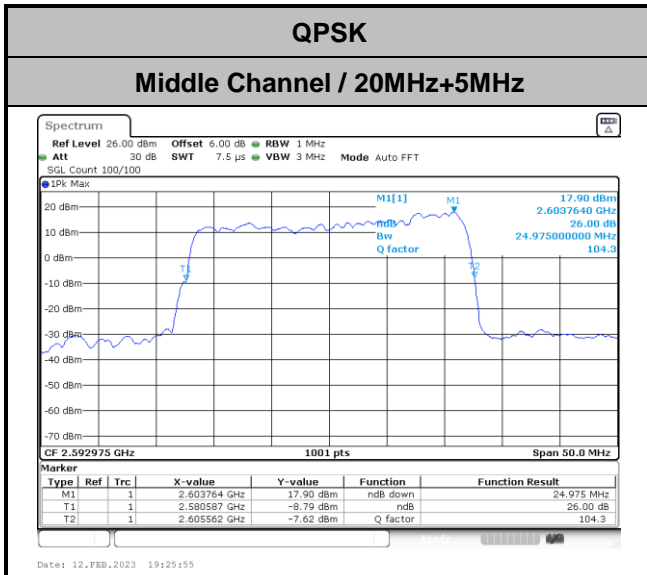
LTE Band 41C

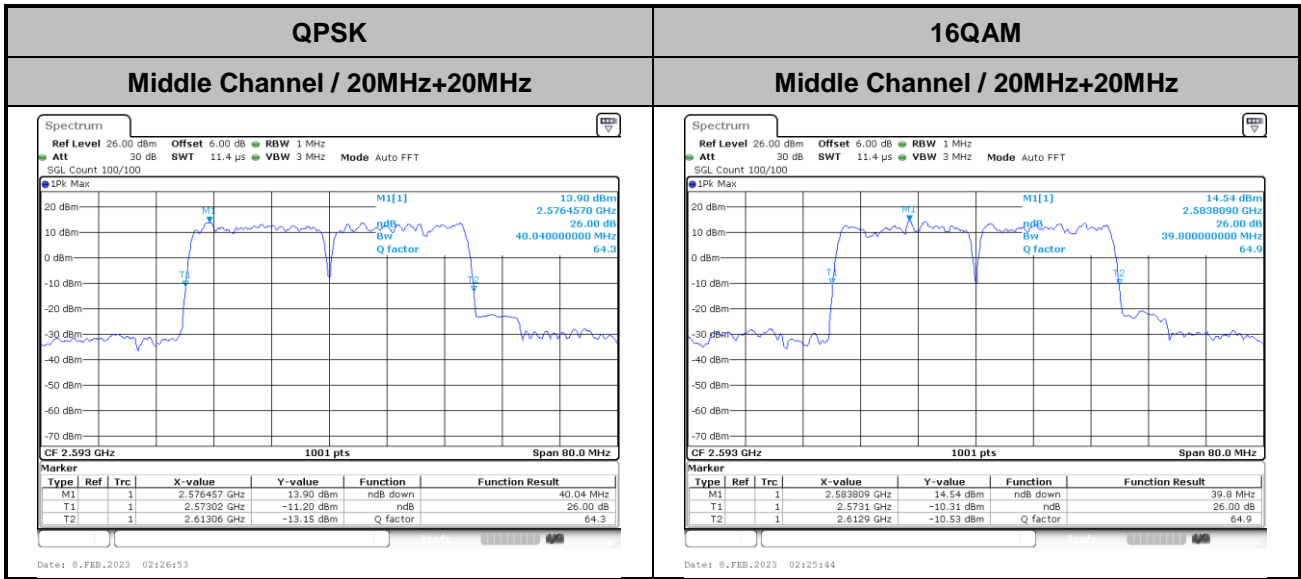
26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	24.83	24.68
BW	10MHz+15MHz	10MHz+15MHz
Middle CH	25.33	25.28
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	29.97	30.15
BW	15MHz+10MHz	15MHz+10MHz
Middle CH	25.38	25.38
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	30.63	30.81
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	34.97	34.97
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	24.98	24.88
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	30.09	29.97
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	34.97	34.97
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	40.04	39.80











Occupied Bandwidth

Mode	LTE Band 41C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	23.23	23.28
BW	10MHz+15MHz	10MHz+15MHz
Middle CH	23.48	23.48
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	28.23	27.81
BW	15MHz+10MHz	15MHz+10MHz
Middle CH	23.38	23.38
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	28.71	28.53
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.87	32.87
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.48	23.33
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	28.05	28.17
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	32.87	32.94
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.56	37.64



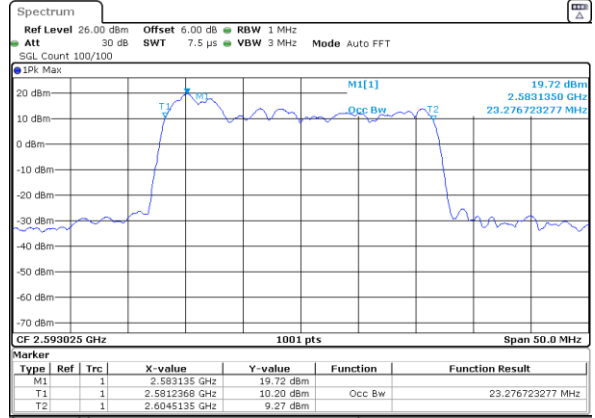
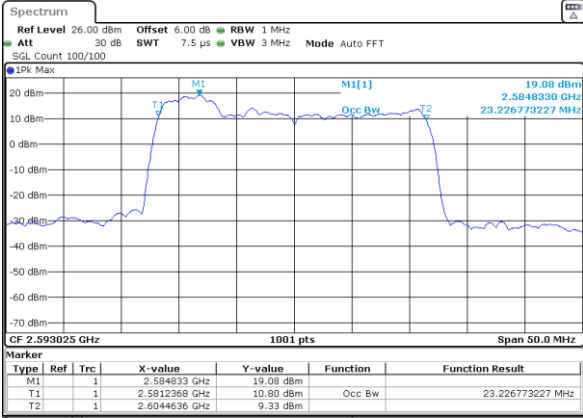
LTE Band 41C

QPSK

16QAM

Middle Channel / 5MHz+20MHz

Middle Channel / 5MHz+20MHz

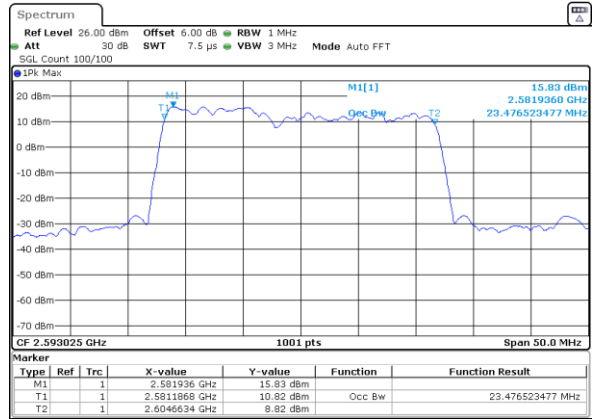
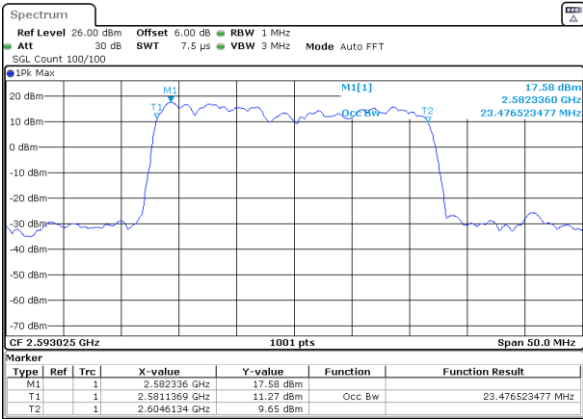


Date: 12.FEB.2023 19:23:50

Date: 12.FEB.2023 19:24:20

Middle Channel / 10MHz+15MHz

Middle Channel / 10MHz+15MHz

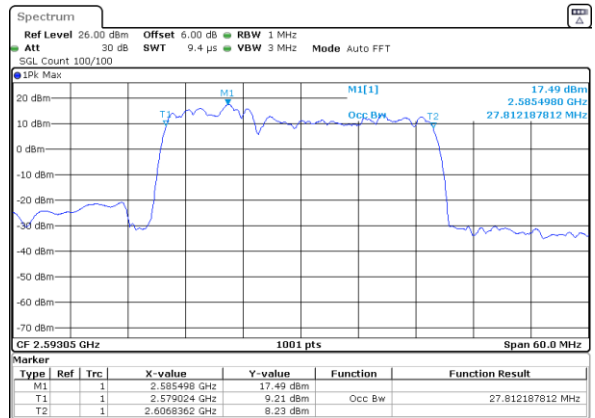
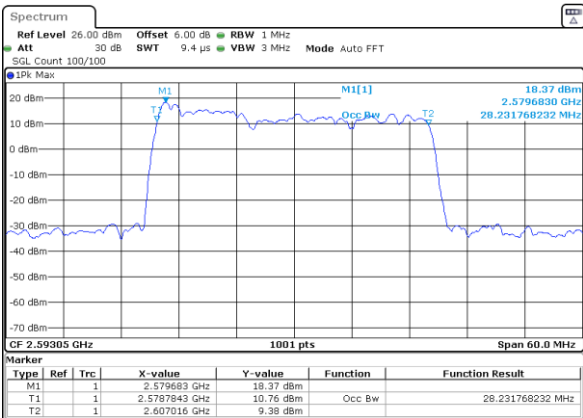


Date: 12.FEB.2023 19:29:22

Date: 12.FEB.2023 19:29:51

Middle Channel / 10MHz+20MHz

Middle Channel / 10MHz+20MHz



Date: 12.FEB.2023 19:34:44

Date: 12.FEB.2023 19:35:14



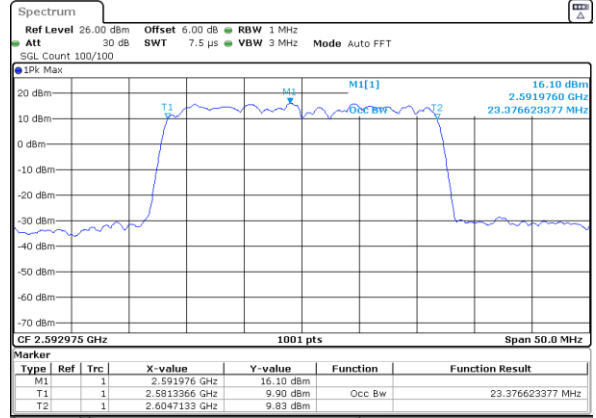
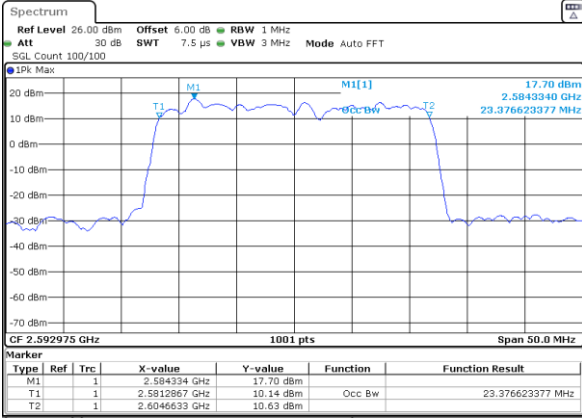
LTE Band 41C

QPSK

16QAM

Middle Channel / 15MHz+10MHz

Middle Channel / 15MHz+10MHz

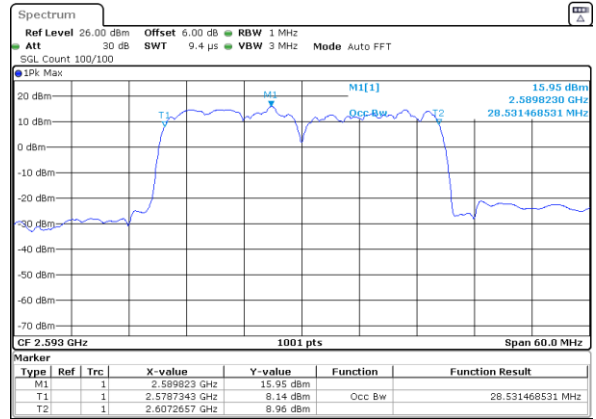
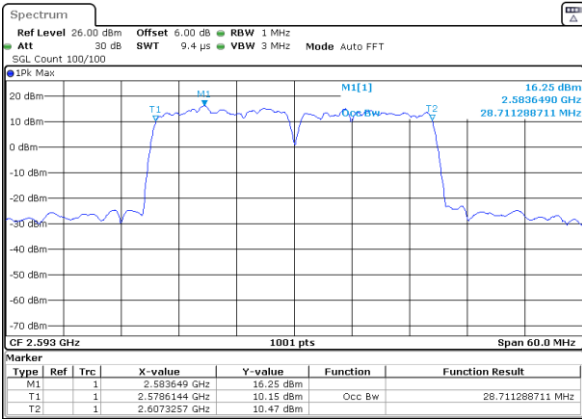


Date: 12, FEB, 2023 19:33:56

Date: 12, FEB, 2023 19:33:27

Middle Channel / 15MHz+15MHz

Middle Channel / 15MHz+15MHz

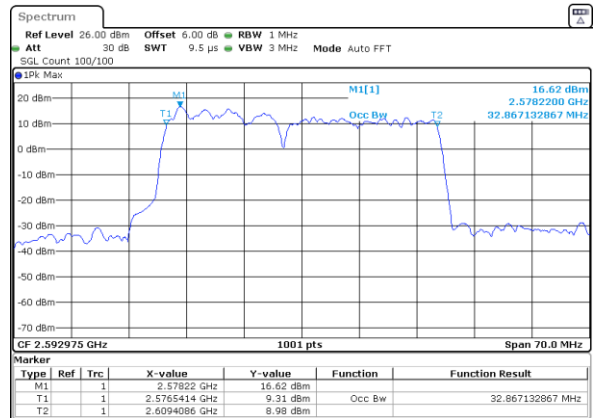
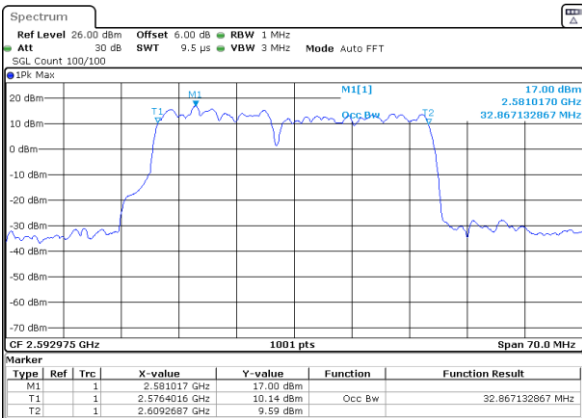


Date: 12, FEB, 2023 19:39:59

Date: 12, FEB, 2023 19:40:29

Middle Channel / 15MHz+20MHz

Middle Channel / 15MHz+20MHz



Date: 12, FEB, 2023 19:43:32

Date: 12, FEB, 2023 19:43:02



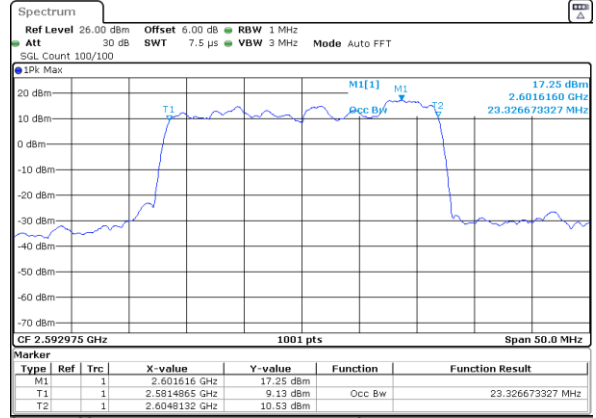
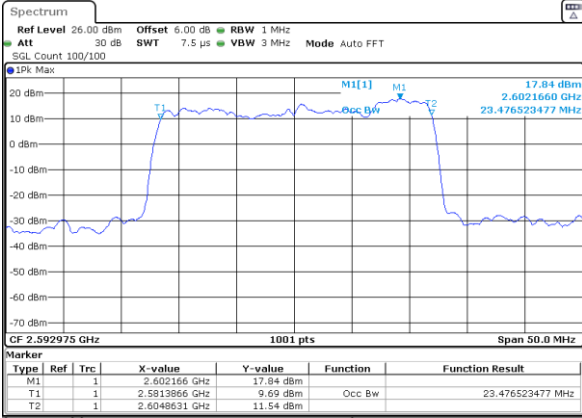
LTE Band 41C

QPSK

16QAM

Middle Channel / 20MHz+5MHz

Middle Channel / 20MHz+5MHz

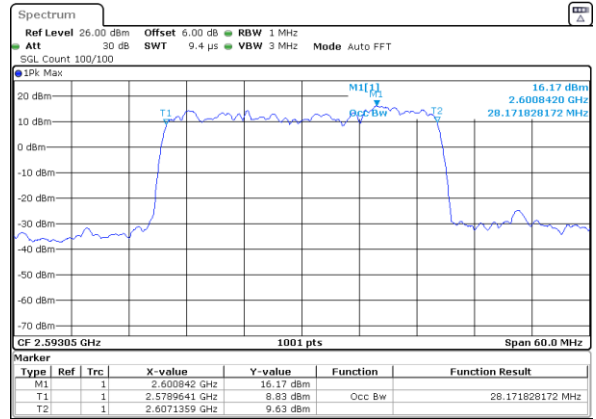
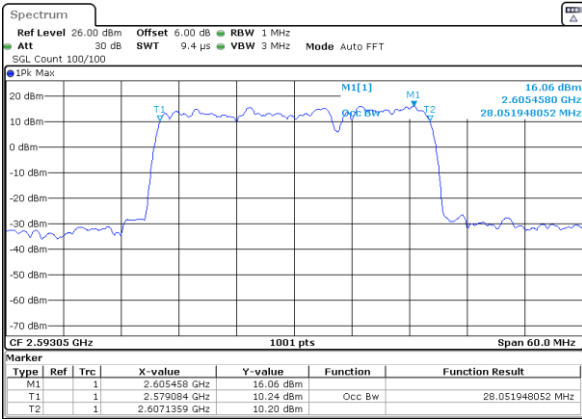


Date: 12, FEB, 2023 19:27:23

Date: 12, FEB, 2023 19:26:53

Middle Channel / 20MHz+10MHz

Middle Channel / 20MHz+10MHz

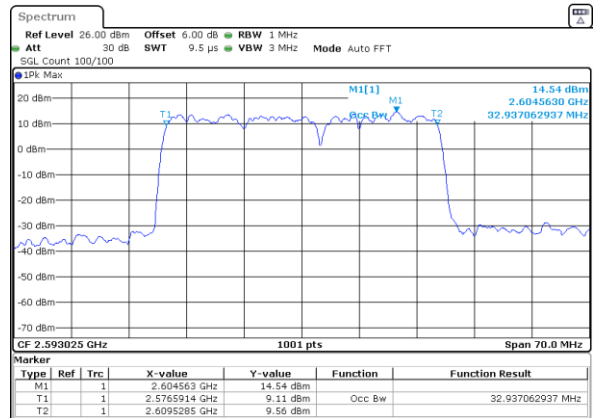
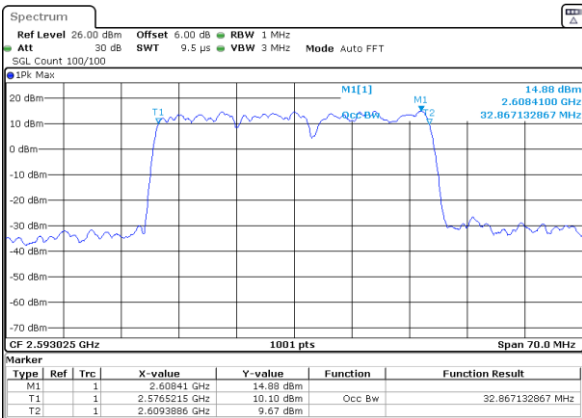


Date: 12, FEB, 2023 19:38:51

Date: 12, FEB, 2023 19:38:22

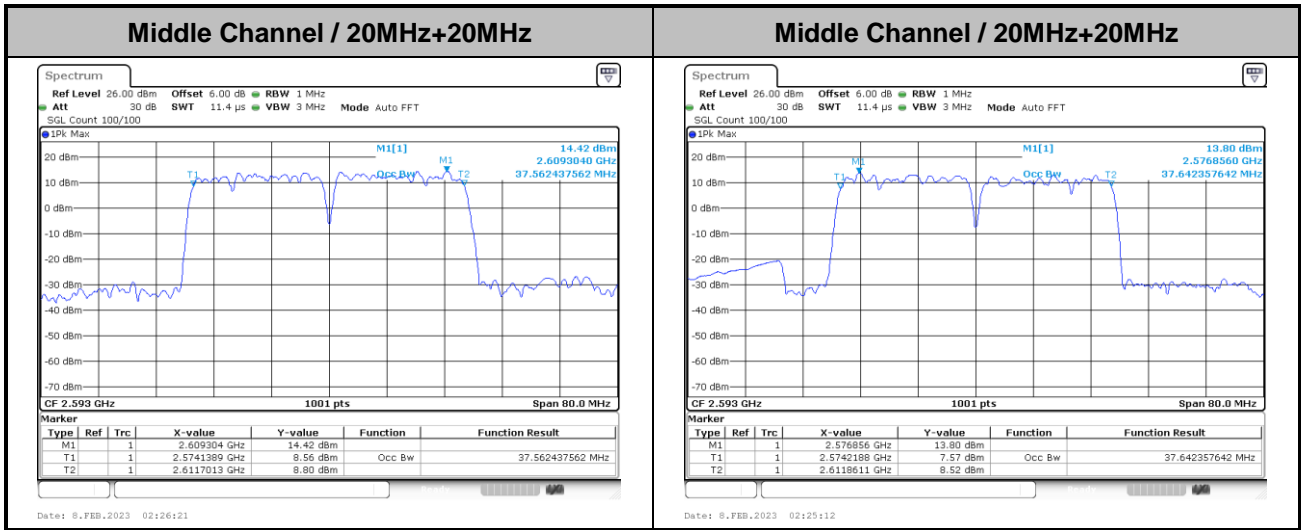
Middle Channel / 20MHz+15MHz

Middle Channel / 20MHz+15MHz



Date: 12, FEB, 2023 19:44:21

Date: 12, FEB, 2023 19:44:51

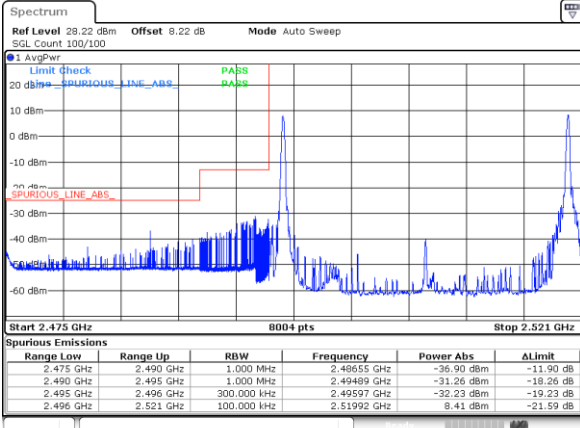




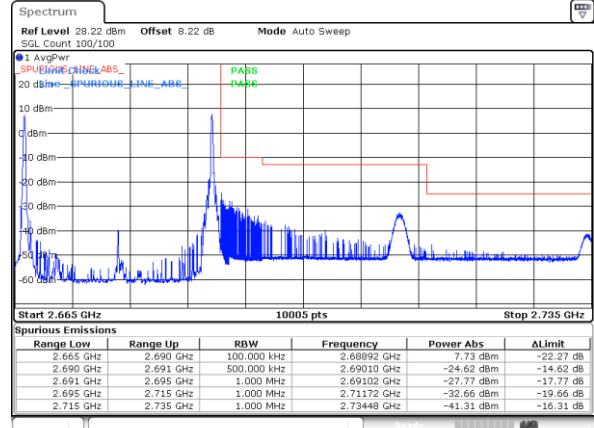
Conducted Band Edge

LTE Band 41C / 5MHz+20MHz QPSK

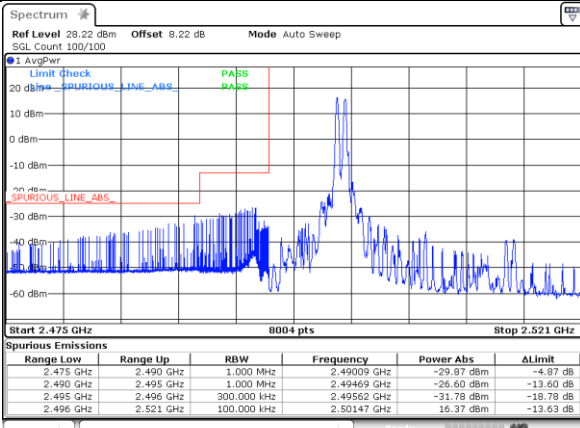
Lowest Band Edge / 1RB0 and 1RB9



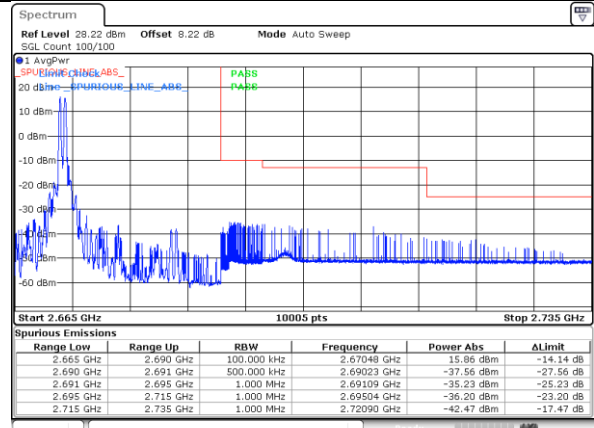
Highest Band Edge / 1RB0 and 1RB9



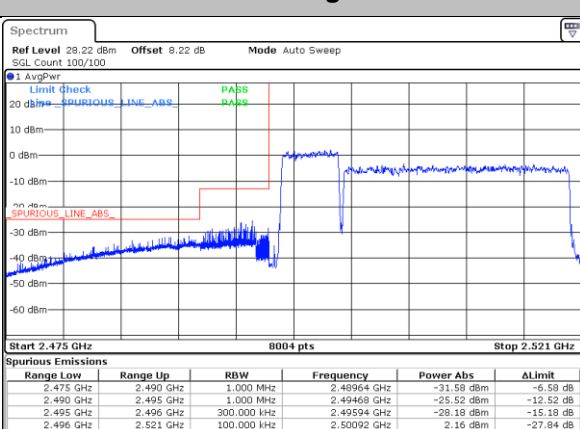
Lowest Band Edge / 1RB24 and 1RB0



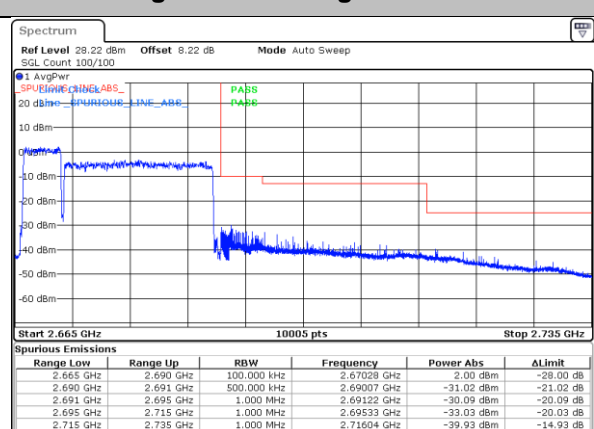
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

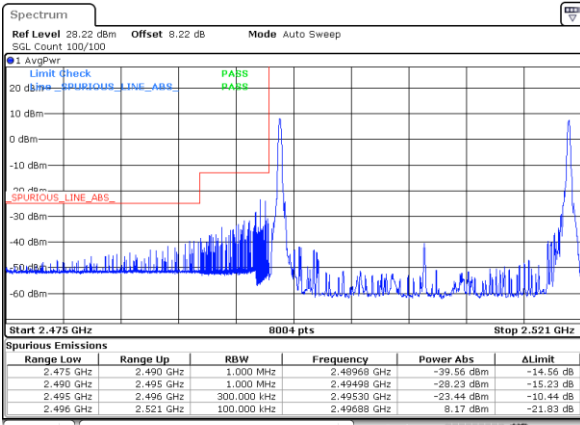




LTE Band 41C /10MHz+15MHz

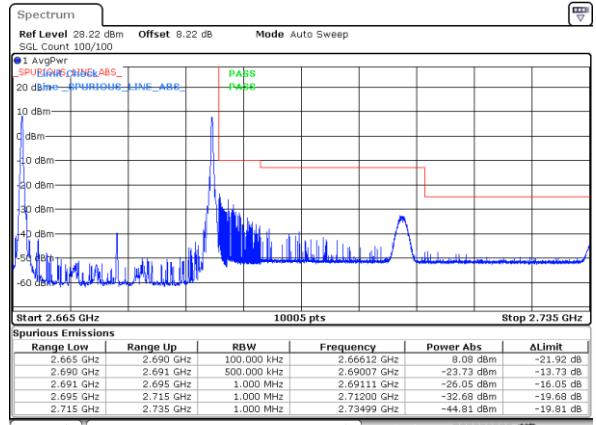
QPSK

Lowest Band Edge / 1RB0 and 1RB74



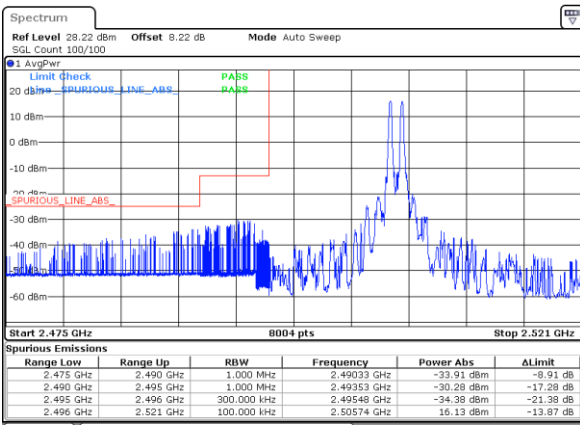
Date: 7.FEB.2023 22:41:12

Highest Band Edge / 1RB0 and 1RB74



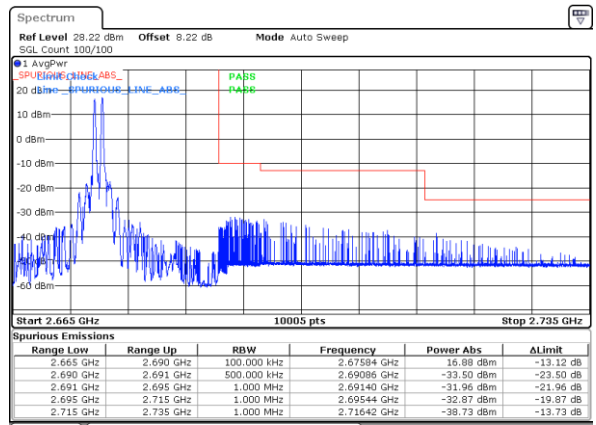
Date: 7.FEB.2023 23:06:32

Lowest Band Edge / 1RB49 and 1RB0



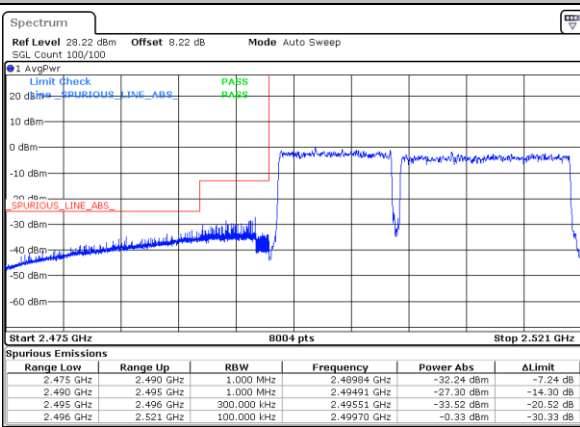
Date: 7.FEB.2023 22:16:09

Highest Band Edge / 1RB49 and 1RB0



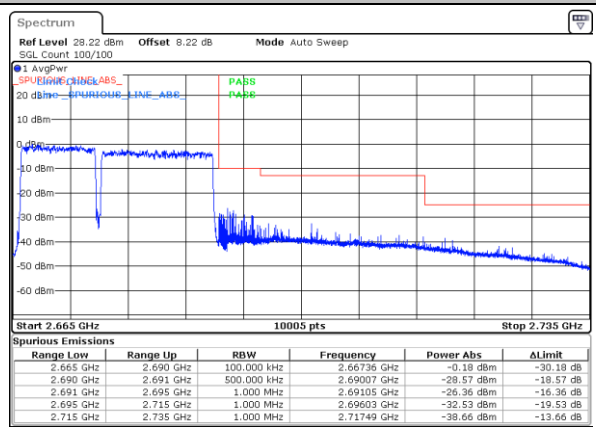
Date: 7.FEB.2023 23:01:32

Lowest Band Edge / Full RB



Date: 7.FEB.2023 22:42:13

Highest Band Edge / Full RB



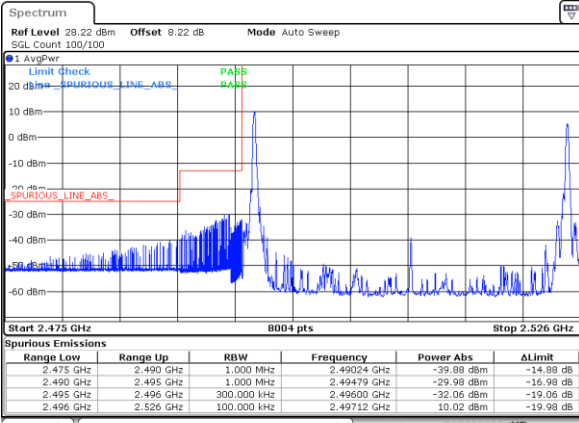
Date: 7.FEB.2023 23:07:32



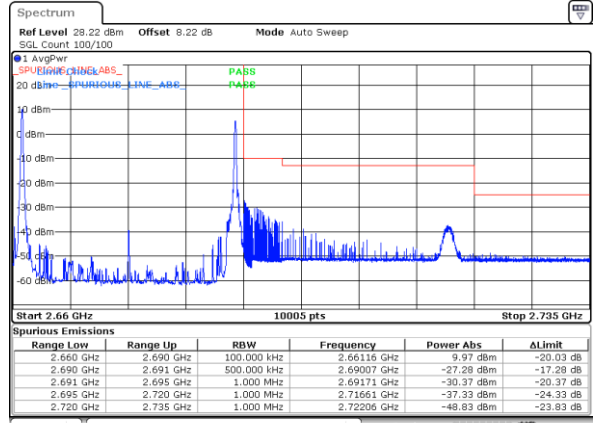
LTE Band 41C / 10MHz+20MHz

QPSK

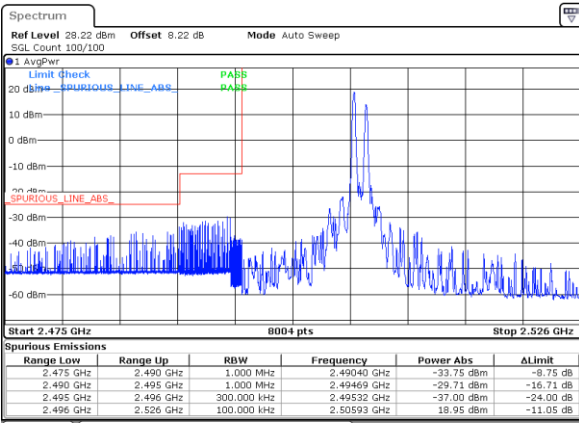
Lowest Band Edge / 1RB0 and 1RB99



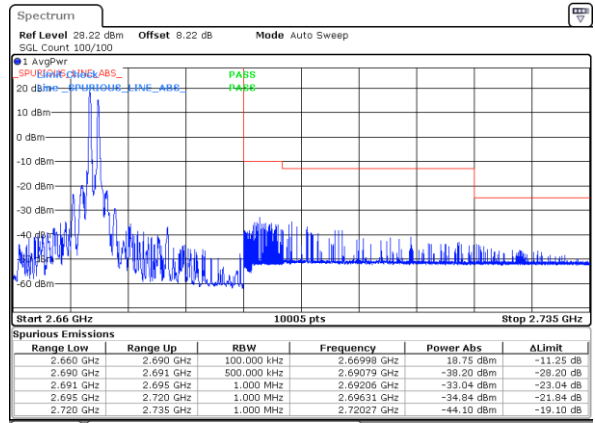
Highest Band Edge / 1RB0 and 1RB99



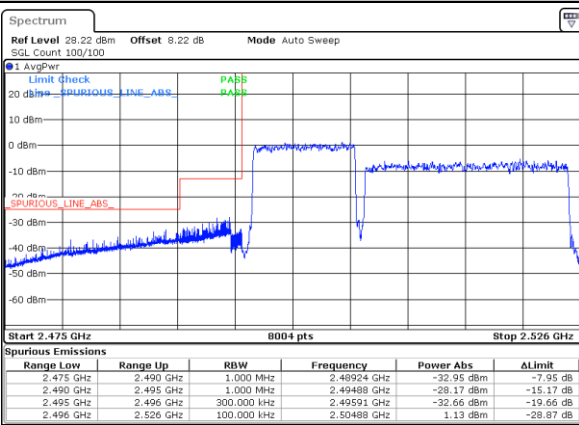
Lowest Band Edge / 1RB49 and 1RB0



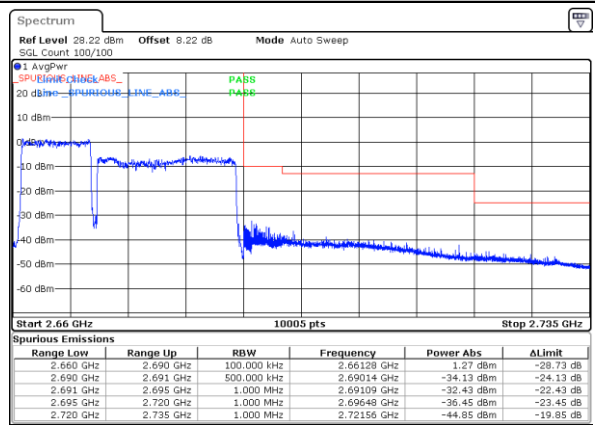
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



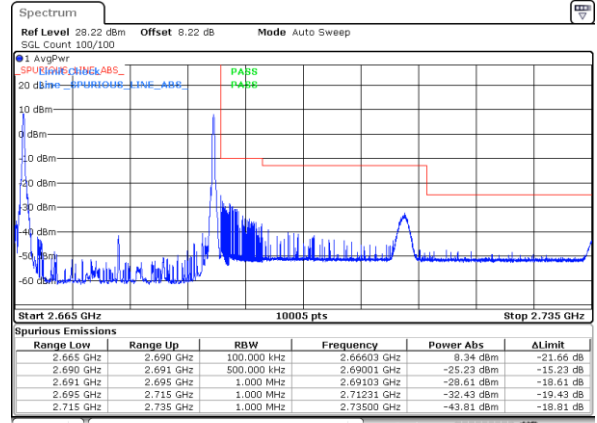
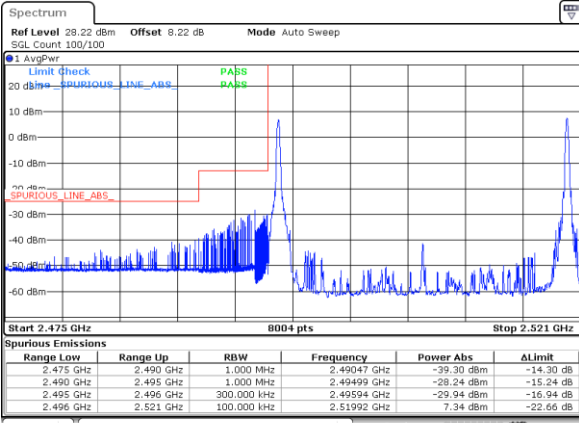


LTE Band 41C / 15MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

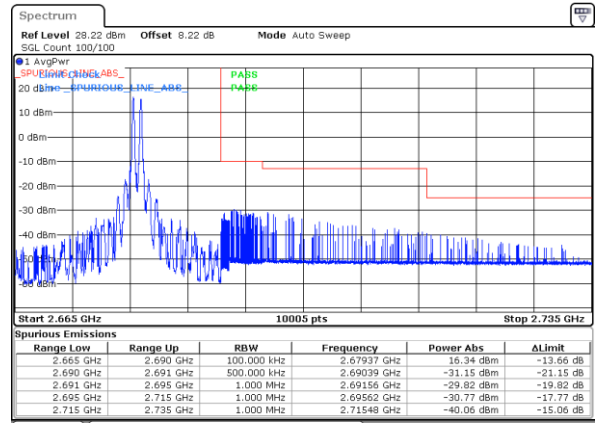
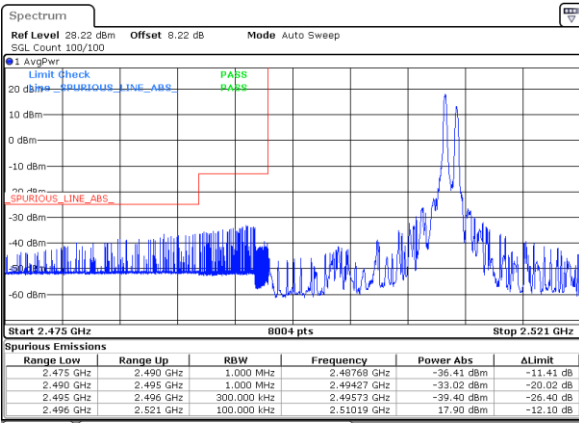


Date: 7_FEB.2023 23:38:42

Date: 7_FEB.2023 23:52:27

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

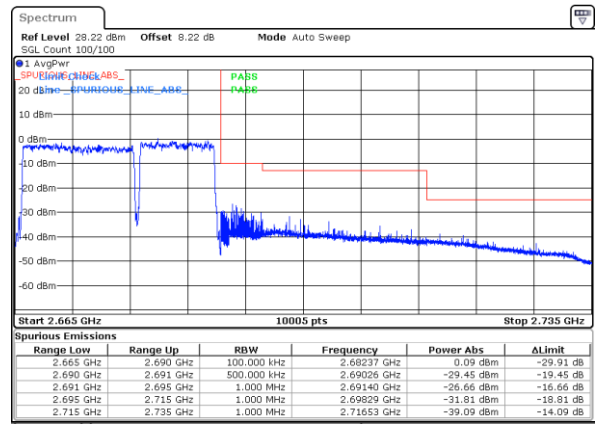
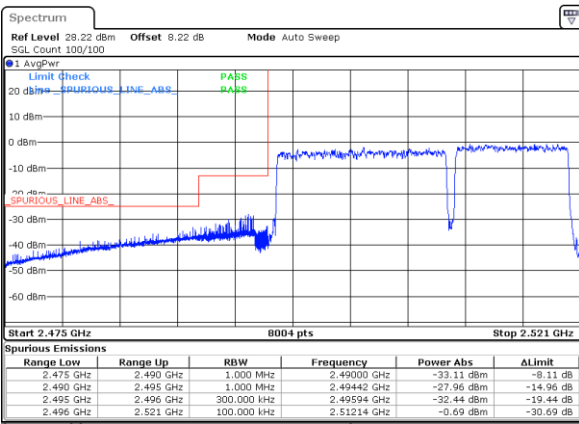


Date: 7_FEB.2023 23:33:38

Date: 7_FEB.2023 23:47:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7_FEB.2023 23:39:43

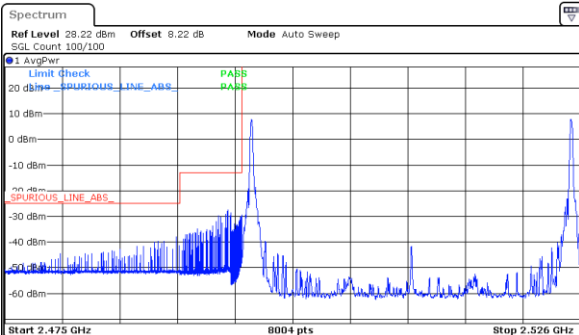
Date: 7_FEB.2023 23:53:27



LTE Band 41C / 15MHz+15MHz

QPSK

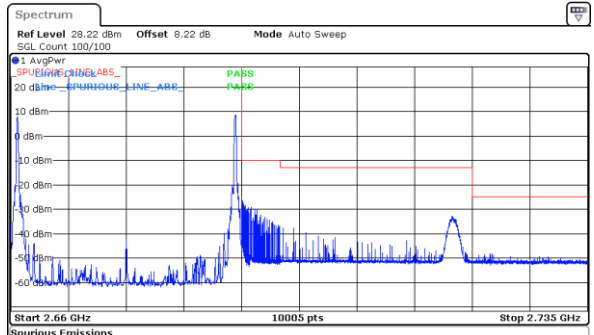
Lowest Band Edge / 1RB0 and 1RB74



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49017 GHz	-38.05 dBm	-13.05 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49472 GHz	-27.48 dBm	-14.48 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49598 GHz	-29.56 dBm	-16.56 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.52514 GHz	7.84 dBm	-22.16 dB

Date: 8.FEB.2023 00:10:17

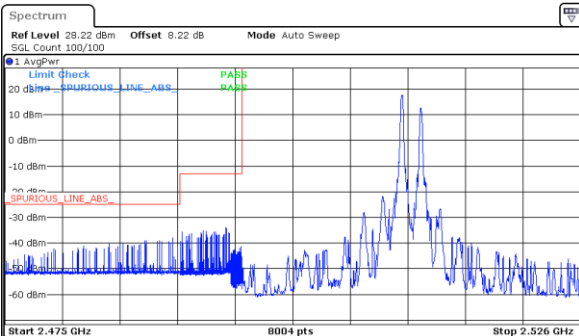
Highest Band Edge / 1RB0 and 1RB74



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.68915 GHz	8.51 dBm	-21.49 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-24.89 dBm	-14.89 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69125 GHz	-29.18 dBm	-19.18 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.71732 GHz	-33.01 dBm	-20.01 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72223 GHz	-48.14 dBm	-23.14 dB

Date: 8.FEB.2023 00:15:18

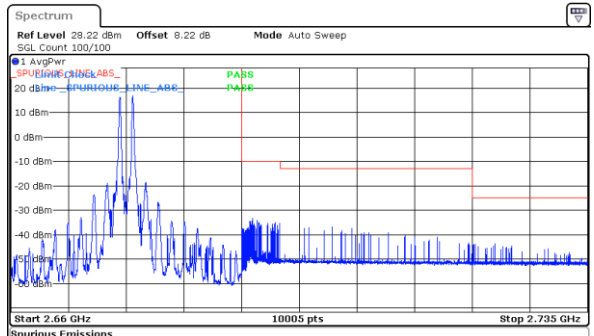
Lowest Band Edge / 1RB74 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48993 GHz	-37.98 dBm	-12.98 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49458 GHz	-34.01 dBm	-21.01 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49590 GHz	-41.37 dBm	-28.37 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.51019 GHz	17.84 dBm	-12.16 dB

Date: 7.FEB.2023 23:56:33

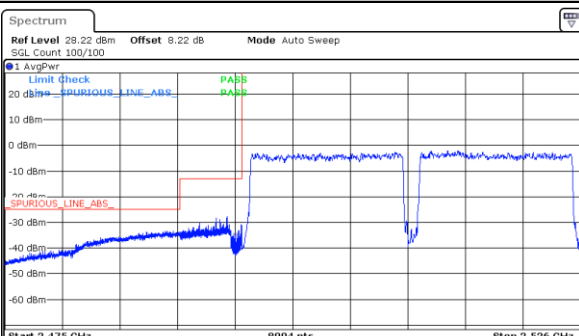
Highest Band Edge / 1RB74 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.67584 GHz	16.83 dBm	-13.17 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69093 GHz	-37.17 dBm	-27.17 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69147 GHz	-33.21 dBm	-23.21 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.70175 GHz	-36.92 dBm	-23.92 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72292 GHz	-43.73 dBm	-18.73 dB

Date: 8.FEB.2023 00:10:22

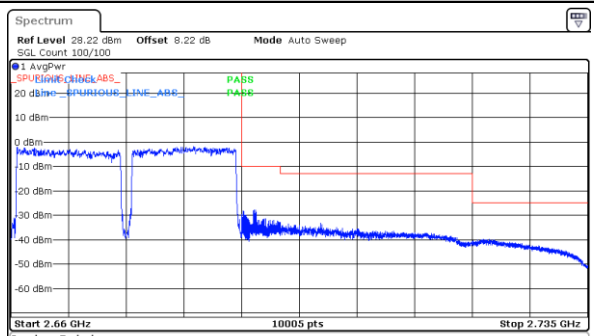
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48992 GHz	-33.33 dBm	-8.33 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49471 GHz	-27.63 dBm	-14.63 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49595 GHz	-30.82 dBm	-17.82 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.51422 GHz	-2.09 dBm	-32.09 dB

Date: 8.FEB.2023 00:02:38

Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.68377 GHz	-2.08 dBm	-32.08 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69023 GHz	-28.05 dBm	-18.05 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69160 GHz	-27.91 dBm	-17.91 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.69506 GHz	-33.07 dBm	-20.07 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72138 GHz	-39.92 dBm	-14.92 dB

Date: 8.FEB.2023 00:16:17

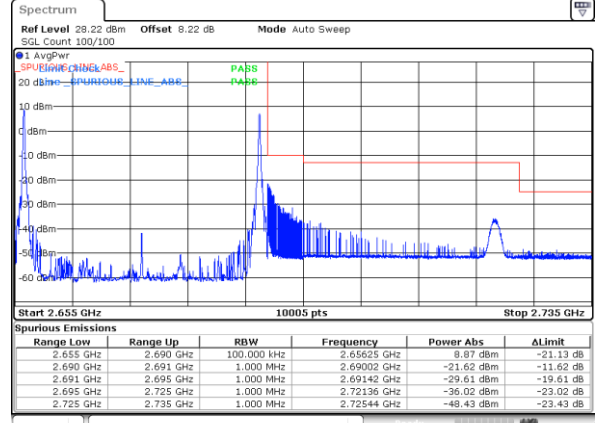
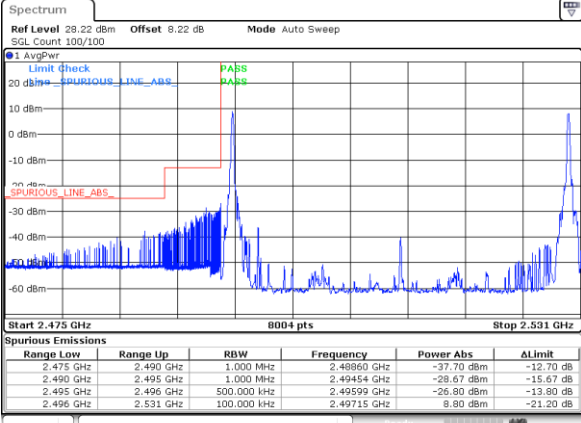


LTE Band 41C / 15MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

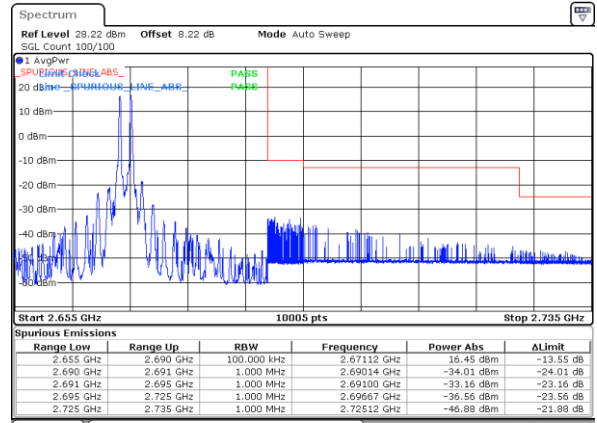
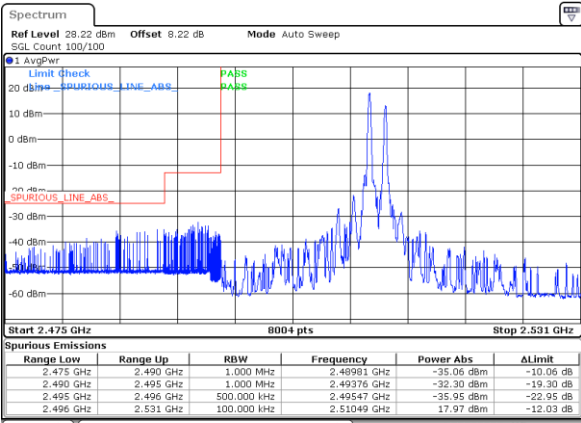


Date: 8_FEB.2023 00:12:12

Date: 8_FEB.2023 00:13:06

Lowest Band Edge / 1RB74and 1RB0

Highest Band Edge / 1RB74 and 1RB0

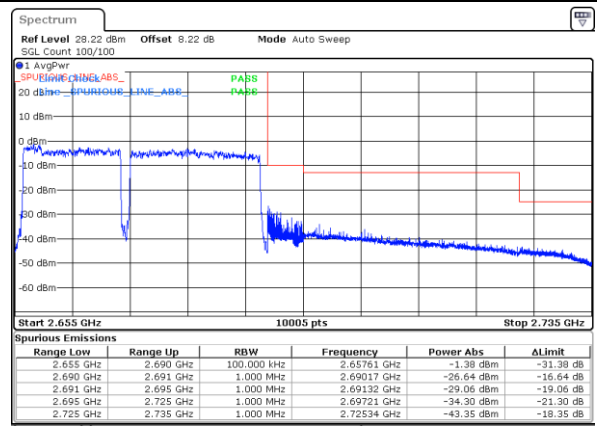
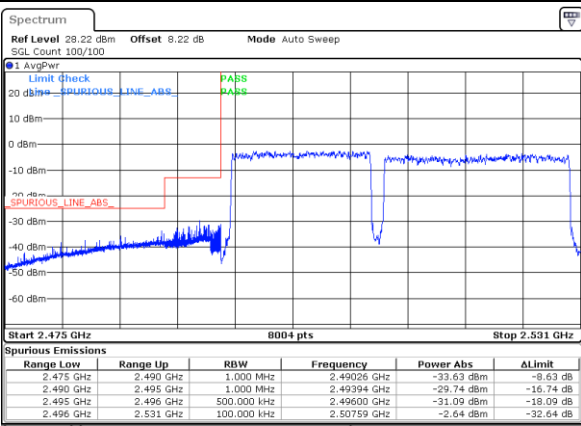


Date: 8_FEB.2023 00:19:24

Date: 8_FEB.2023 00:13:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8_FEB.2023 00:25:29

Date: 8_FEB.2023 00:19:05

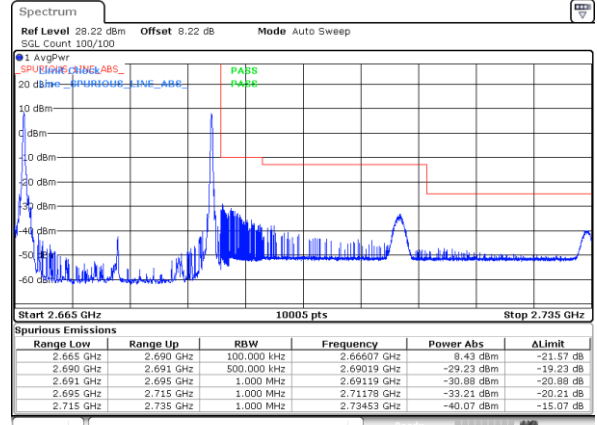
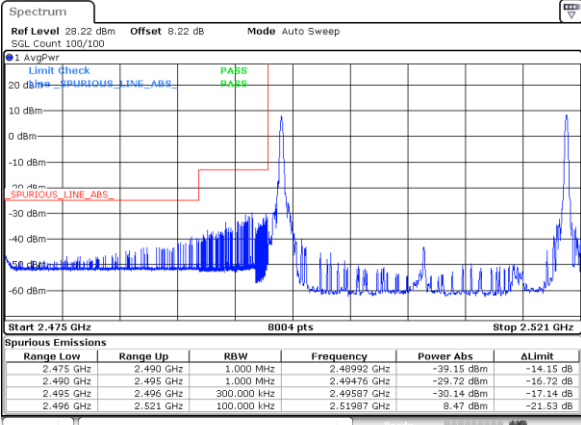


LTE Band 41C / 20MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

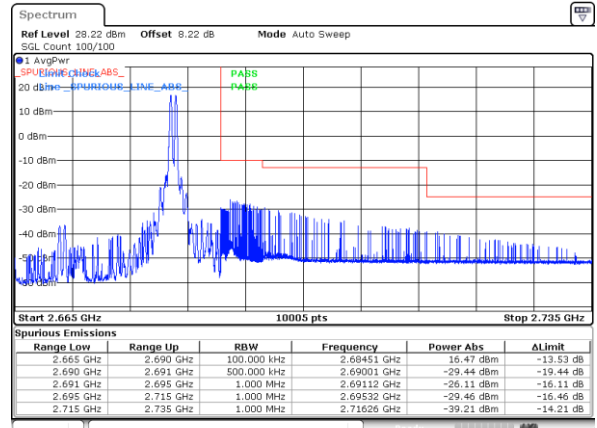
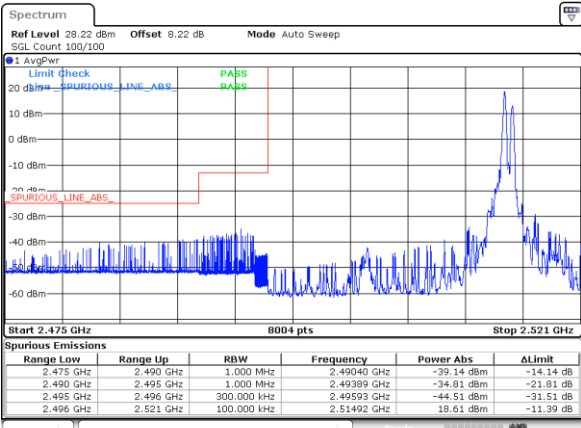


Date: 8_FEB.2023 00:47:15

Date: 8_FEB.2023 01:00:52

Lowest Band Edge / 1RB99and 1RB0

Highest Band Edge / 1RB99 and 1RB0

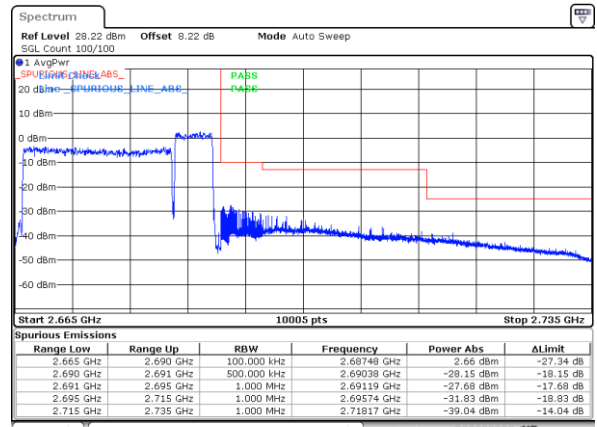
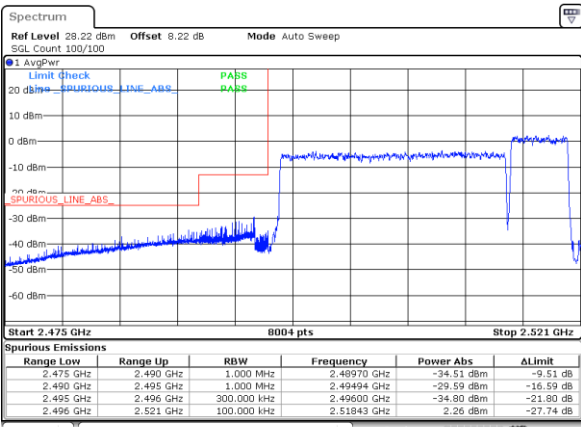


Date: 8_FEB.2023 00:42:11

Date: 8_FEB.2023 00:55:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8_FEB.2023 00:48:15

Date: 8_FEB.2023 01:01:52