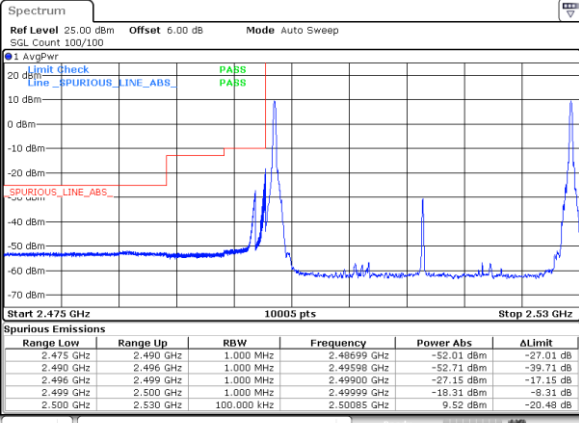




LTE Band 7 / 15MHz+15MHz

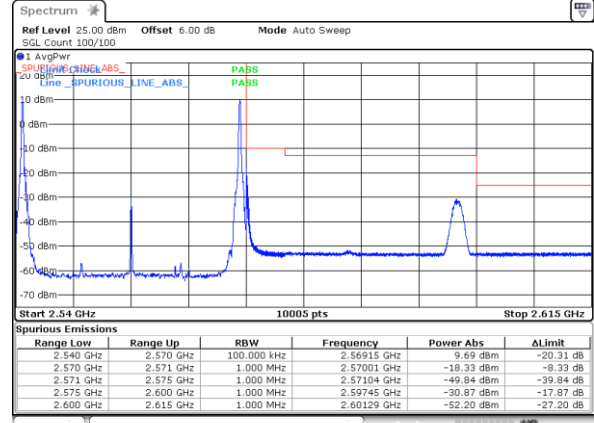
64QAM

Lowest Band Edge / 1RB0 and 1RB74



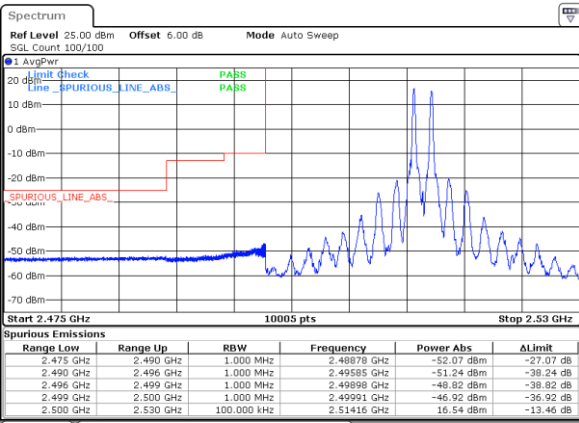
Date: 11.OCT.2022 12:07:32

Highest Band Edge / 1RB0 and 1RB74



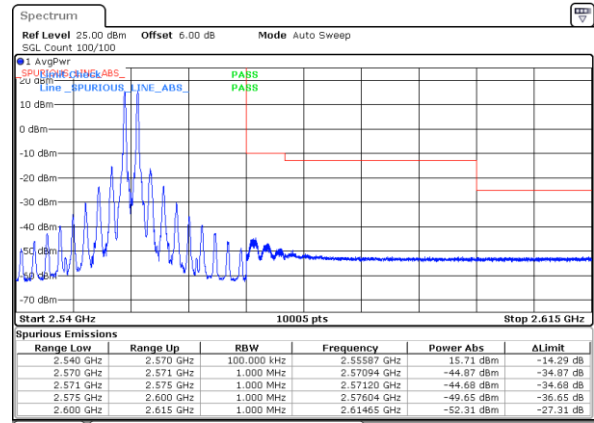
Date: 11.OCT.2022 13:29:01

Lowest Band Edge / 1RB74 and 1RB0



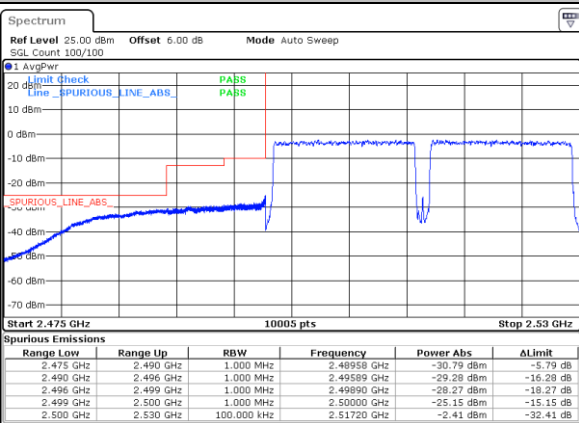
Date: 11.OCT.2022 12:09:03

Highest Band Edge / 1RB74 and 1RB0



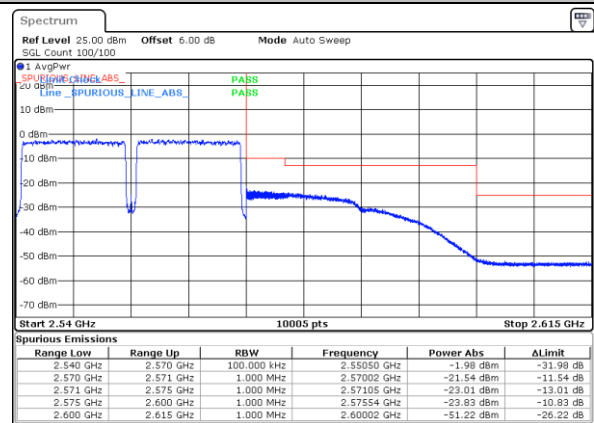
Date: 11.OCT.2022 13:29:31

Lowest Band Edge / Full RB



Date: 11.OCT.2022 12:16:35

Highest Band Edge / Full RB



Date: 11.OCT.2022 13:37:02

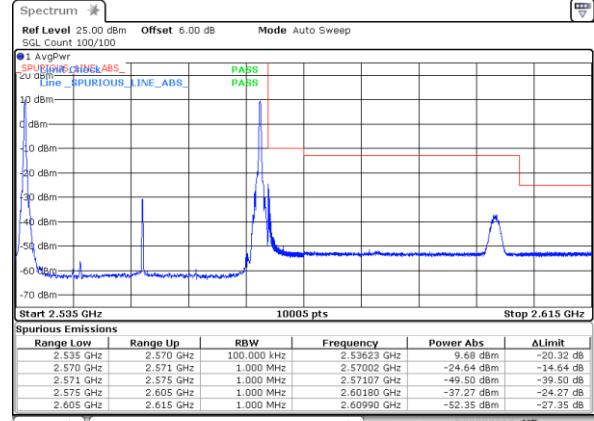
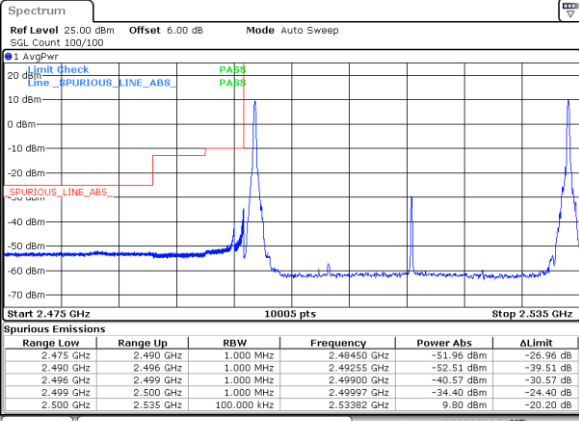


LTE Band 7 / 15MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

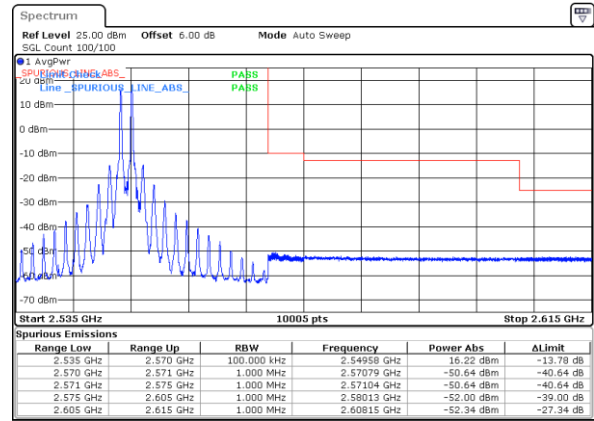
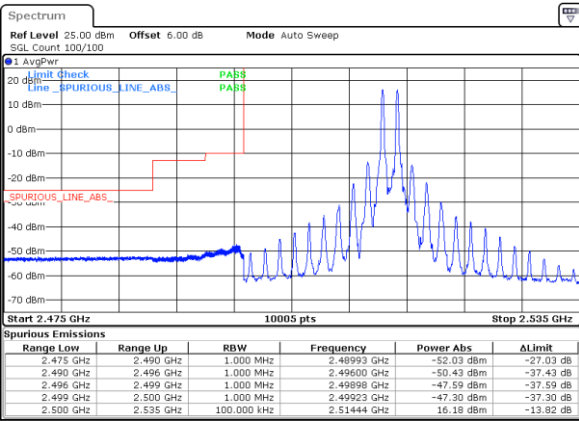


Date: 11.OCT.2022 13:52:45

Date: 11.OCT.2022 14:19:30

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

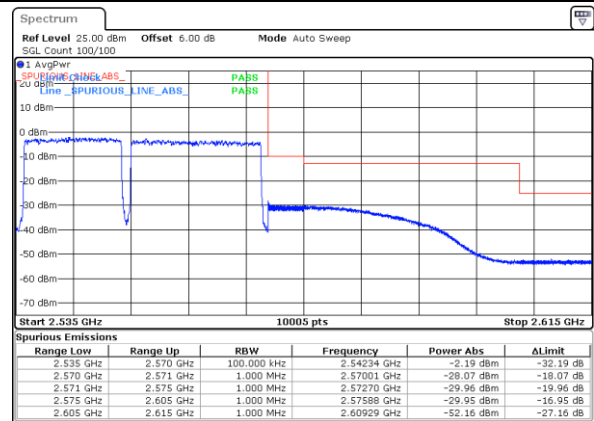
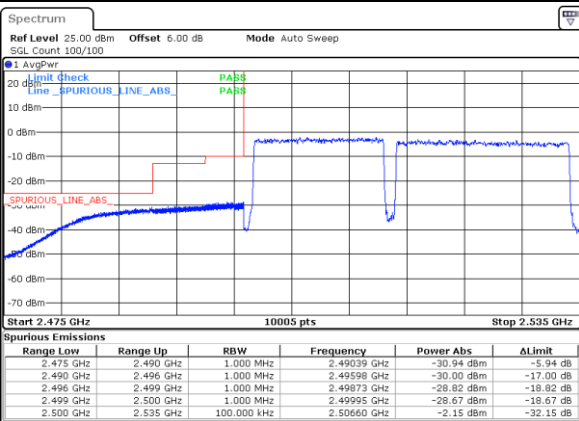


Date: 11.OCT.2022 13:54:16

Date: 11.OCT.2022 14:21:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.OCT.2022 14:01:49

Date: 11.OCT.2022 14:28:31

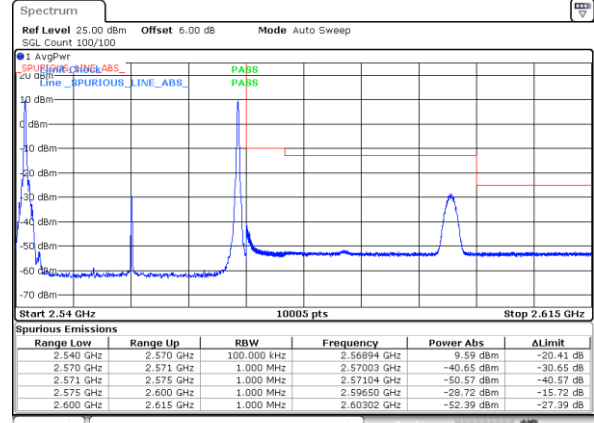
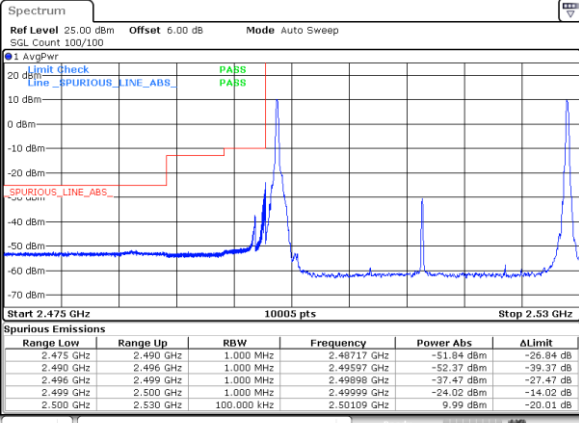


LTE Band 7 / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

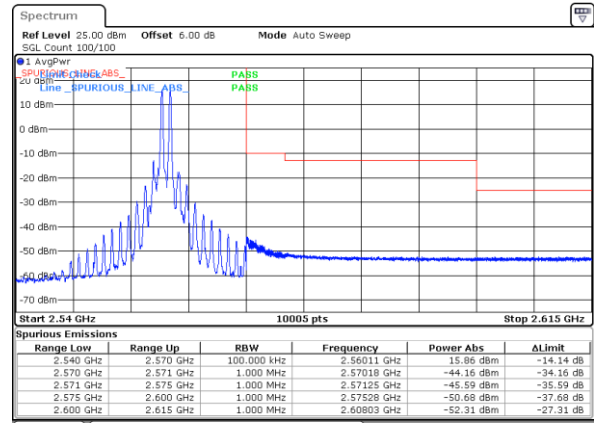
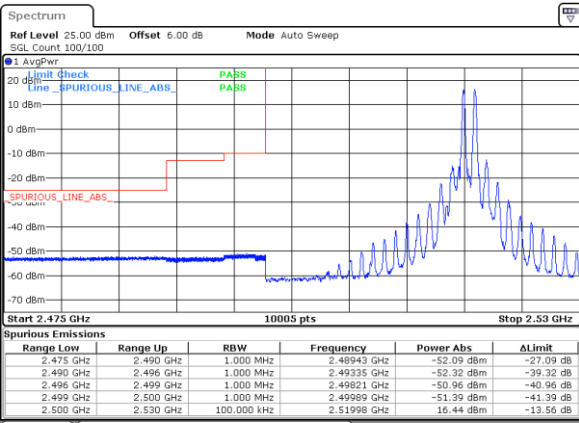


Date: 11.OCT.2022 14:54:35

Date: 11.OCT.2022 15:18:27

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

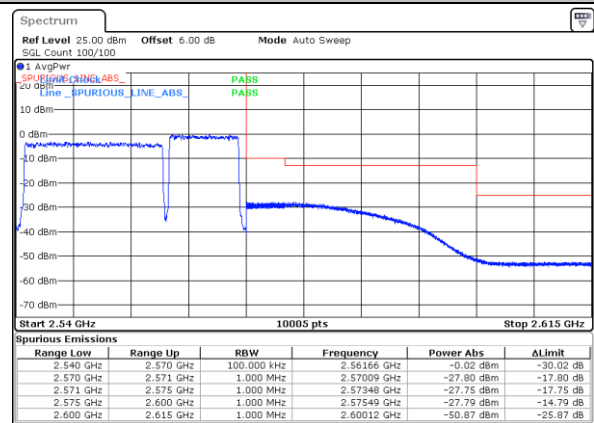
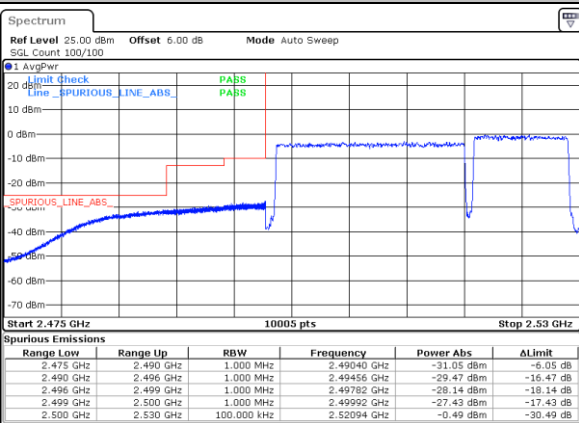


Date: 11.OCT.2022 14:56:05

Date: 11.OCT.2022 15:19:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.OCT.2022 15:03:38

Date: 11.OCT.2022 15:27:26

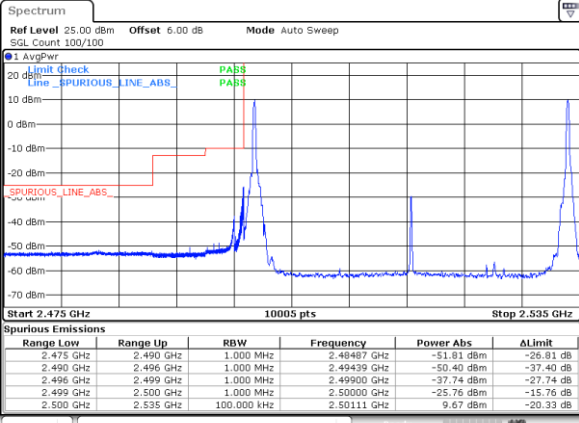


LTE Band 7 / 20MHz+15MHz

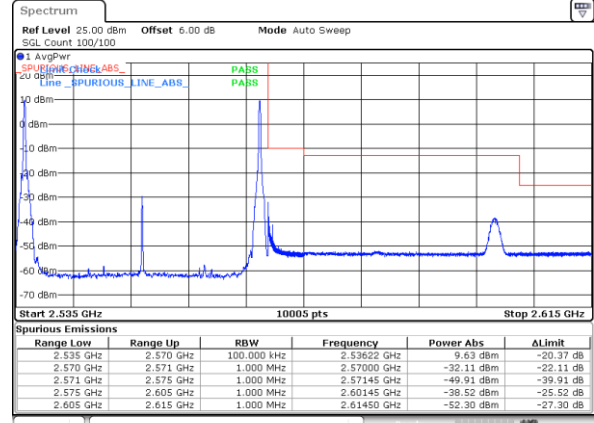
64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74



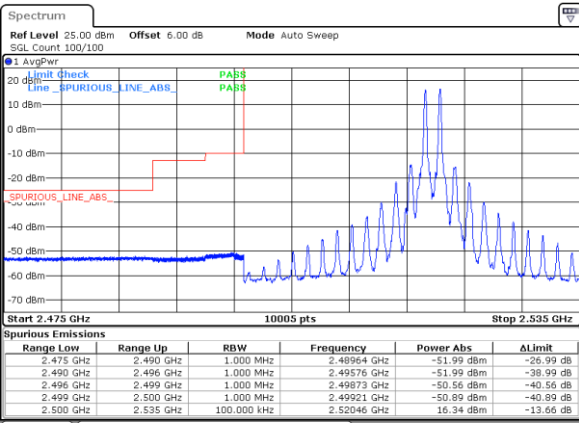
Date: 11.OCT.2022 15:38:28



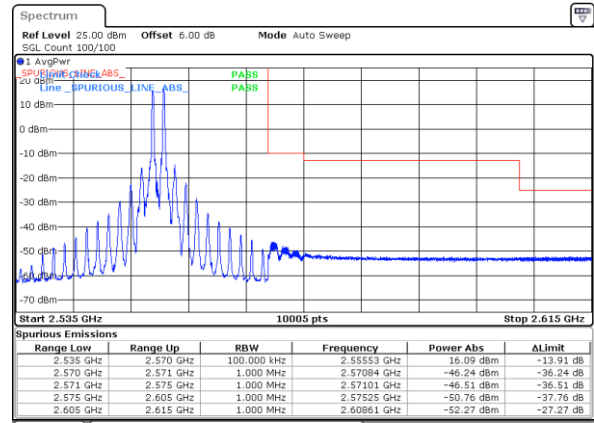
Date: 11.OCT.2022 16:04:11

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0



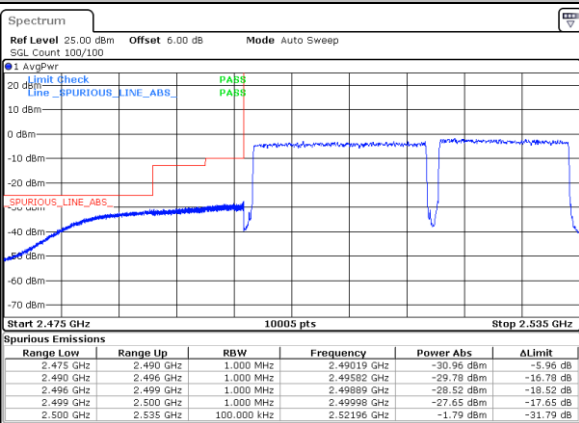
Date: 11.OCT.2022 15:39:58



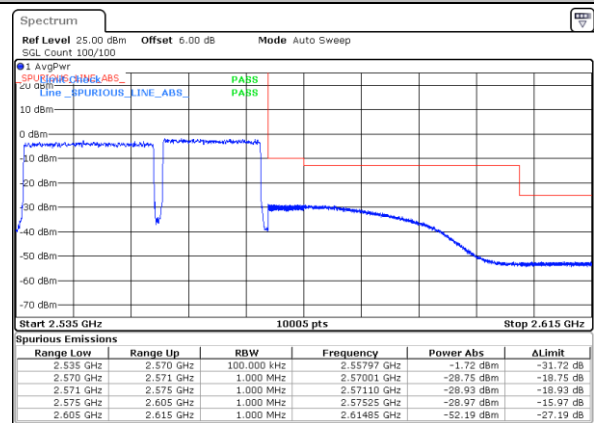
Date: 11.OCT.2022 16:05:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.OCT.2022 15:47:31



Date: 11.OCT.2022 16:13:11

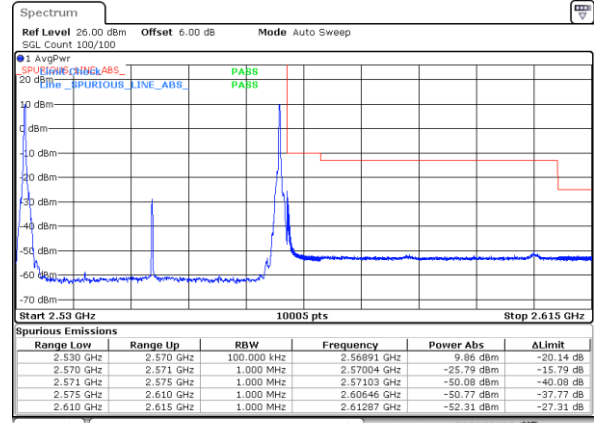
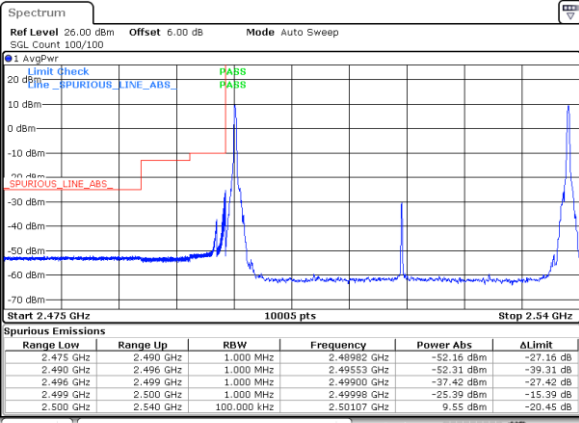


LTE Band 7 / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

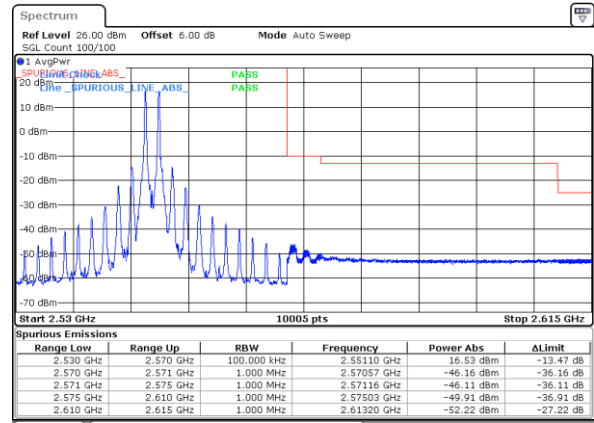
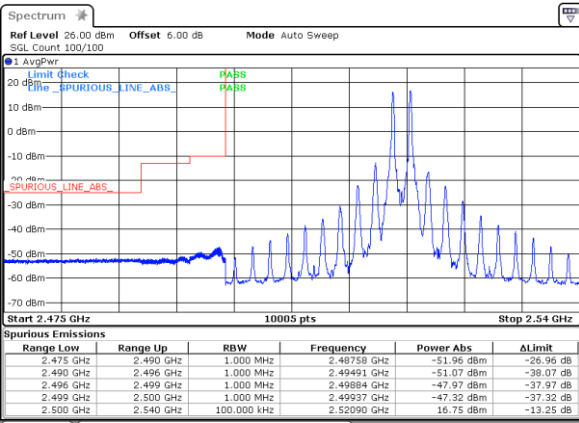


Date: 11.OCT.2022 16:28:47

Date: 11.OCT.2022 16:46:49

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

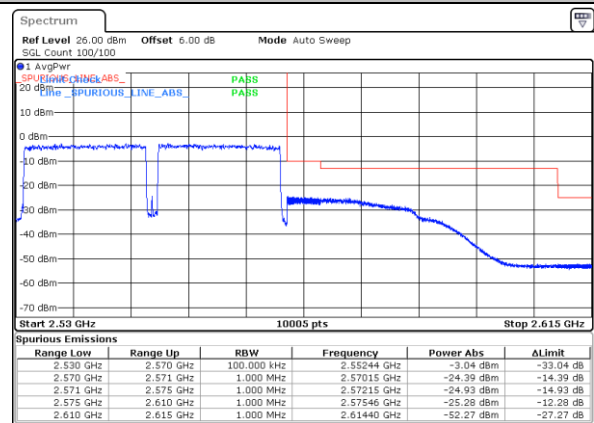
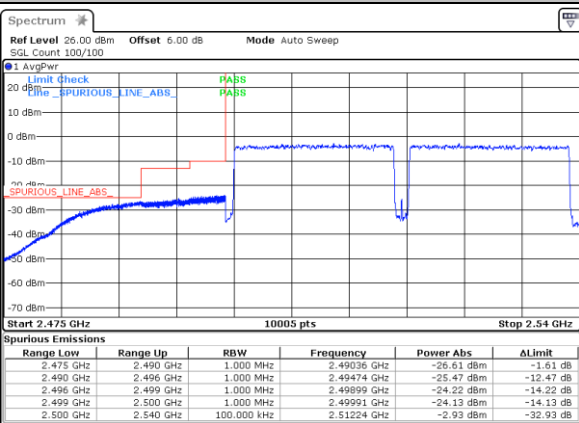


Date: 11.OCT.2022 16:30:18

Date: 11.OCT.2022 16:48:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.OCT.2022 18:29:53

Date: 11.OCT.2022 16:58:35

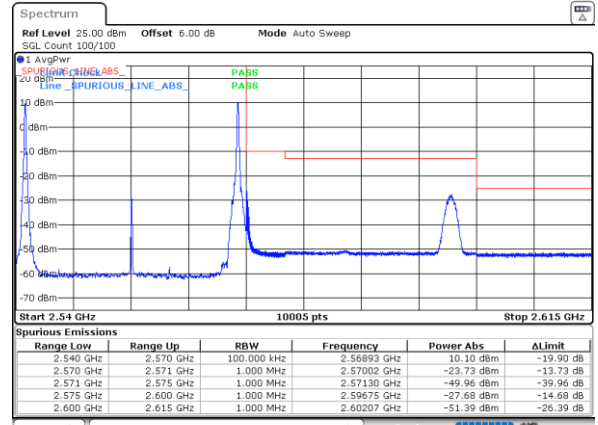
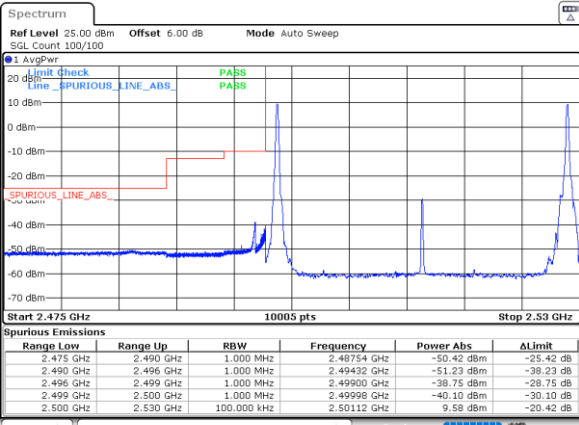


LTE Band 7 / 10MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

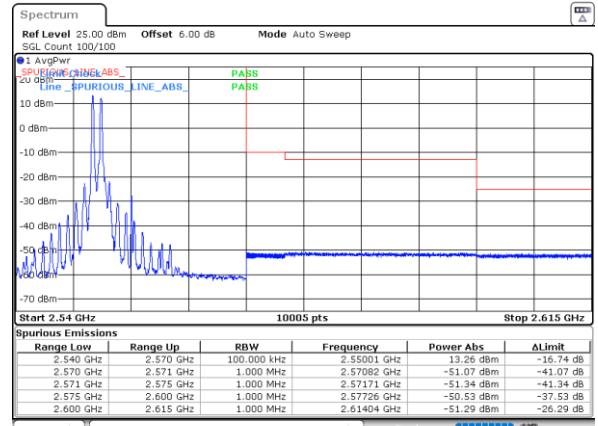
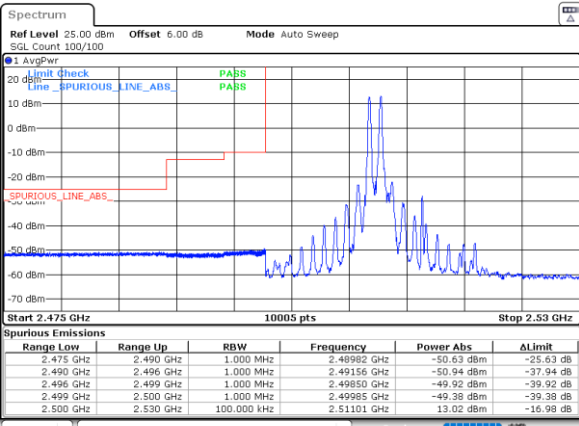


Date: 24.OCT.2022 23:52:20

Date: 24.OCT.2022 23:56:18

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

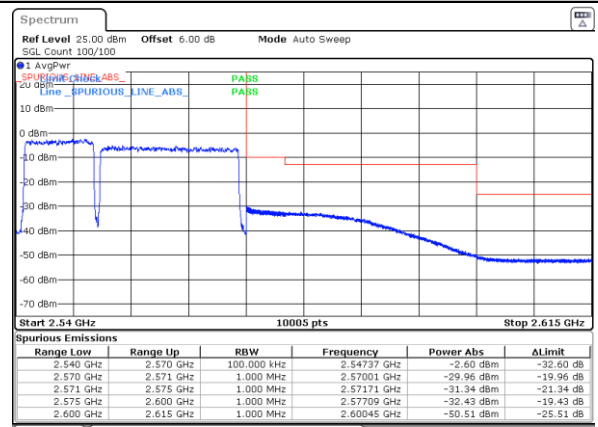
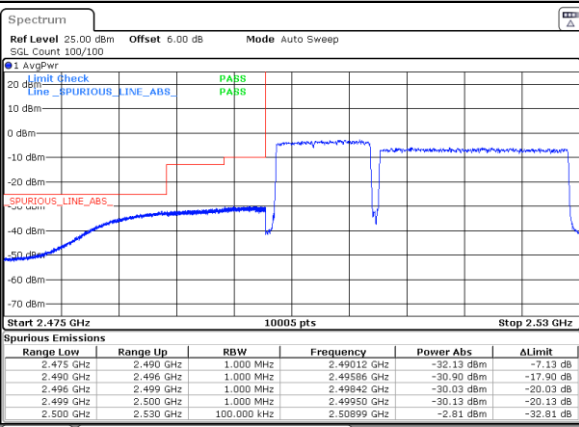


Date: 24.OCT.2022 23:53:38

Date: 24.OCT.2022 23:55:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.OCT.2022 23:51:03

Date: 24.OCT.2022 23:57:36

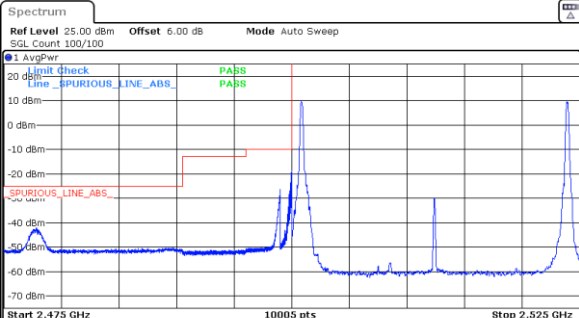


LTE Band 7 / 15MHz+10MHz

256QAM

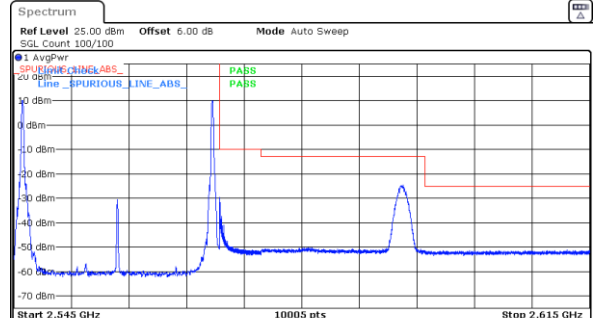
Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.47782 GHz	-42.29 dBm	-17.29 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49296 GHz	-51.17 dBm	-38.17 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-26.41 dBm	-16.41 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49999 GHz	-18.56 dBm	-8.56 dB
2.500 GHz	2.525 GHz	100.000 kHz	2.50082 GHz	10.16 dBm	-19.84 dB

Date: 25.OCT.2022 00:14:17

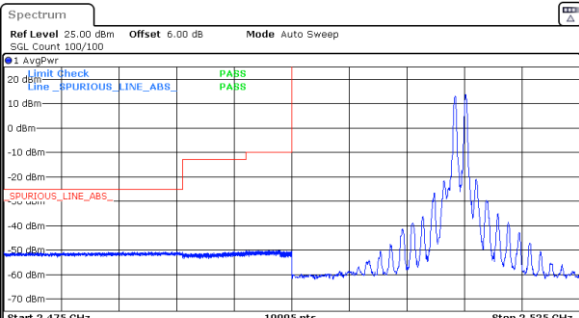


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.54603 GHz	10.20 dBm	-19.80 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57000 GHz	-29.62 dBm	-19.62 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-49.22 dBm	-39.22 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.59230 GHz	-24.46 dBm	-11.46 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.61225 GHz	-51.24 dBm	-26.24 dB

Date: 25.OCT.2022 00:14:14

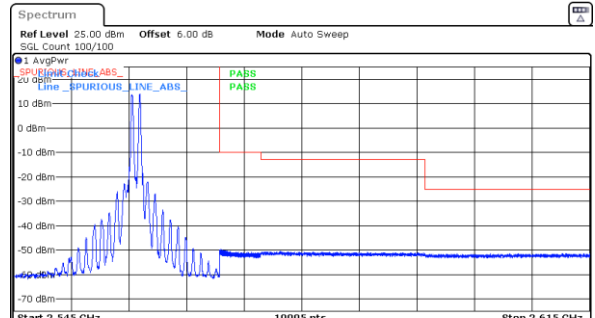
Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48631 GHz	-50.73 dBm	-25.73 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49498 GHz	-50.48 dBm	-37.48 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49708 GHz	-50.12 dBm	-40.12 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49998 GHz	-50.40 dBm	-40.40 dB
2.500 GHz	2.525 GHz	100.000 kHz	2.51509 GHz	13.70 dBm	-16.30 dB

Date: 25.OCT.2022 00:45:34

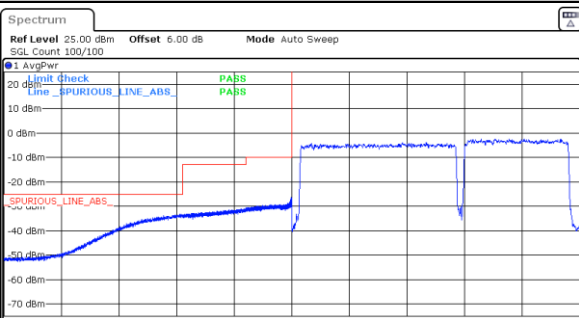


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.56031 GHz	13.88 dBm	-16.12 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57019 GHz	-49.74 dBm	-39.74 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57132 GHz	-50.57 dBm	-40.57 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.57733 GHz	-50.63 dBm	-37.63 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.60293 GHz	-51.42 dBm	-26.42 dB

Date: 25.OCT.2022 00:46:57

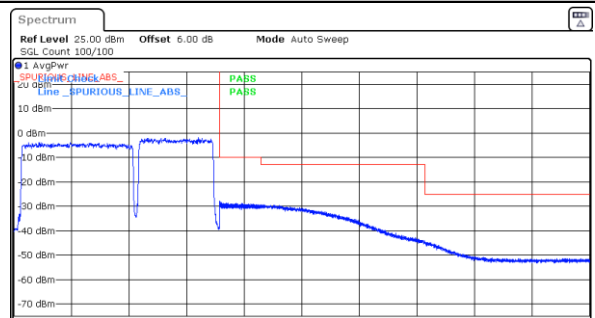
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49028 GHz	-33.06 dBm	-8.06 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49588 GHz	-31.01 dBm	-18.01 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-29.25 dBm	-19.25 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49997 GHz	-26.44 dBm	-16.44 dB
2.500 GHz	2.525 GHz	100.000 kHz	2.51766 GHz	-2.37 dBm	-32.37 dB

Date: 25.OCT.2022 00:42:59



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.56742 GHz	-1.85 dBm	-31.85 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57002 GHz	-27.88 dBm	-17.88 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57274 GHz	-28.67 dBm	-18.67 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.57514 GHz	-29.30 dBm	-16.30 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.59524 GHz	-44.76 dBm	-19.76 dB

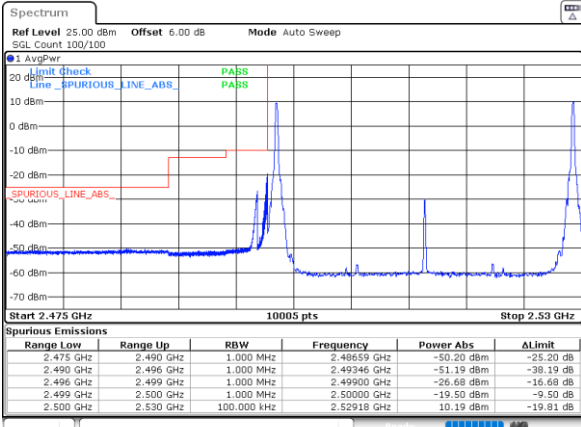
Date: 25.OCT.2022 00:49:31



LTE Band 7 / 15MHz+15MHz

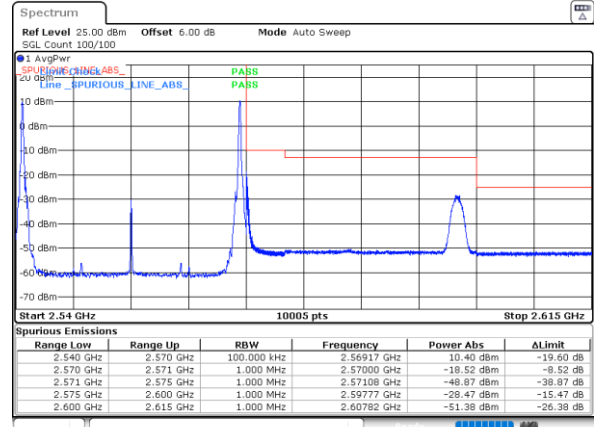
256QAM

Lowest Band Edge / 1RB0 and 1RB74



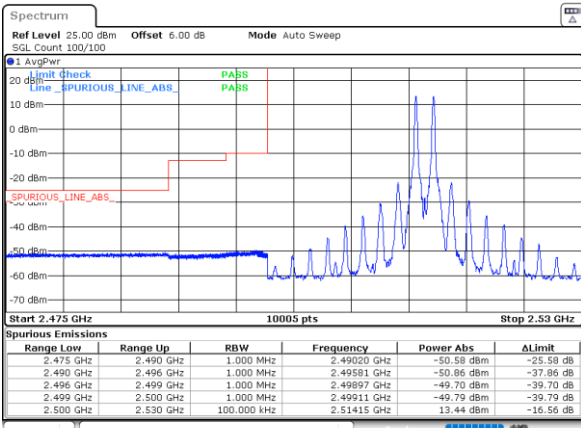
Date: 25.OCT.2022 00:11:03

Highest Band Edge / 1RB0 and 1RB74



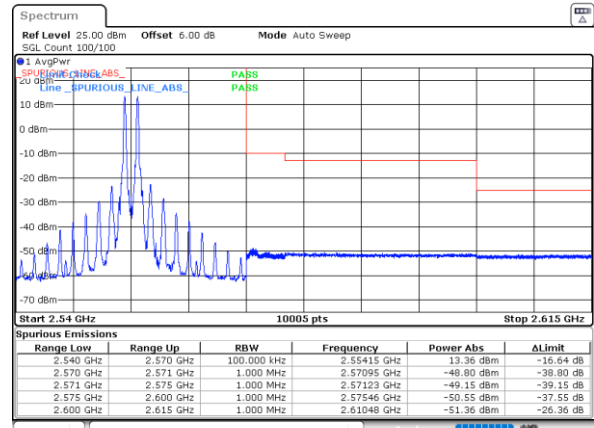
Date: 25.OCT.2022 00:15:00

Lowest Band Edge / 1RB74 and 1RB0



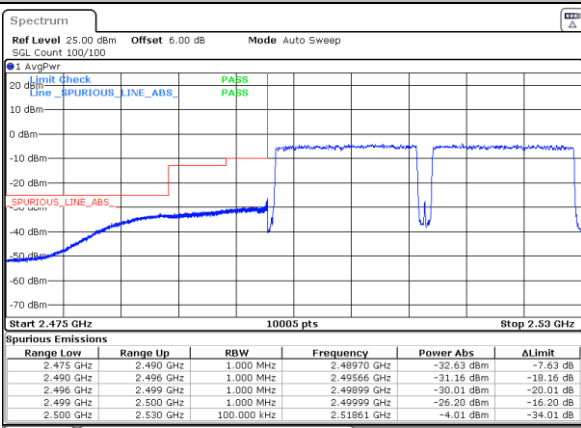
Date: 25.OCT.2022 00:12:20

Highest Band Edge / 1RB74 and 1RB0



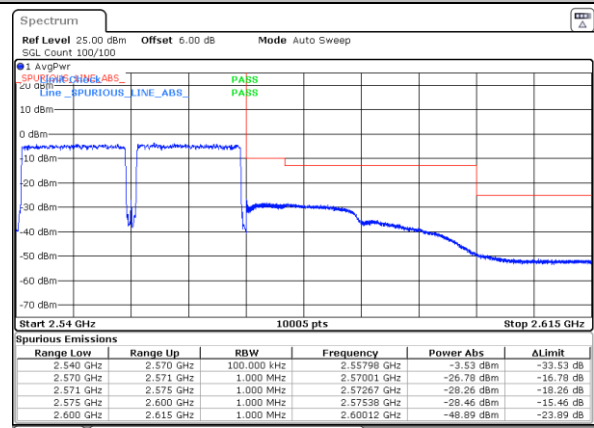
Date: 25.OCT.2022 00:13:43

Lowest Band Edge / Full RB



Date: 25.OCT.2022 00:09:45

Highest Band Edge / Full RB



Date: 25.OCT.2022 00:16:17

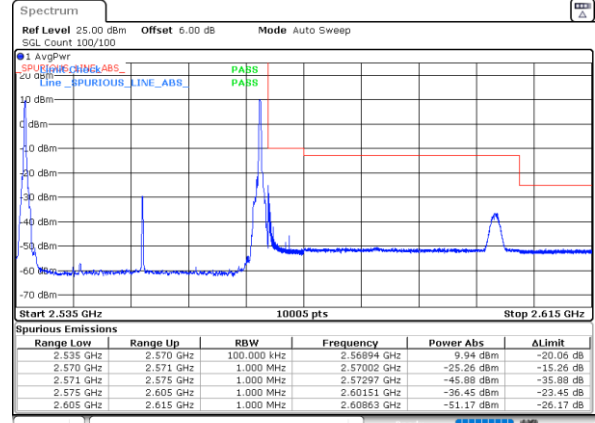
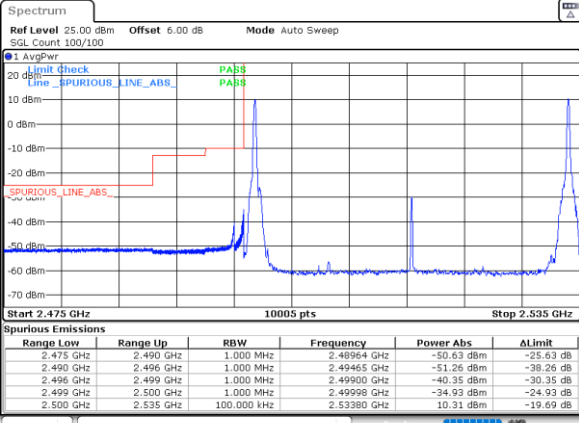


LTE Band 7 / 15MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

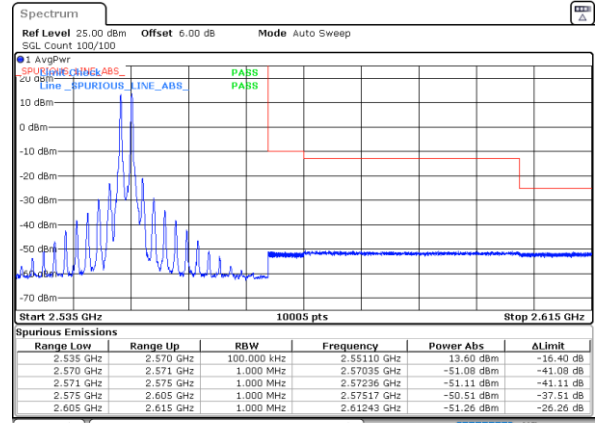
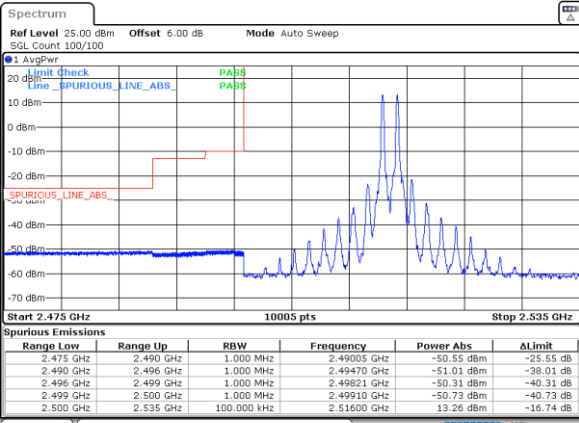


Date: 25.OCT.2022 00:18:59

Date: 25.OCT.2022 00:22:57

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

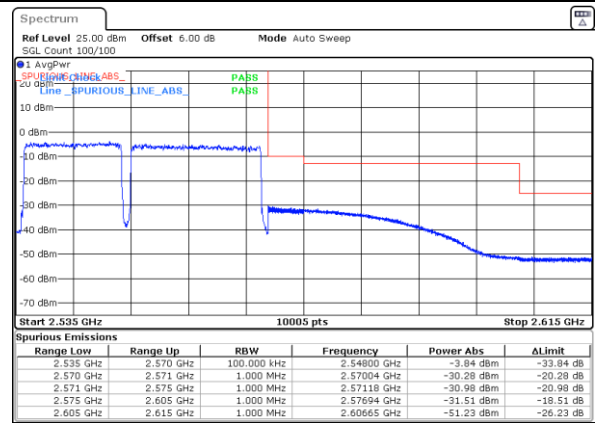
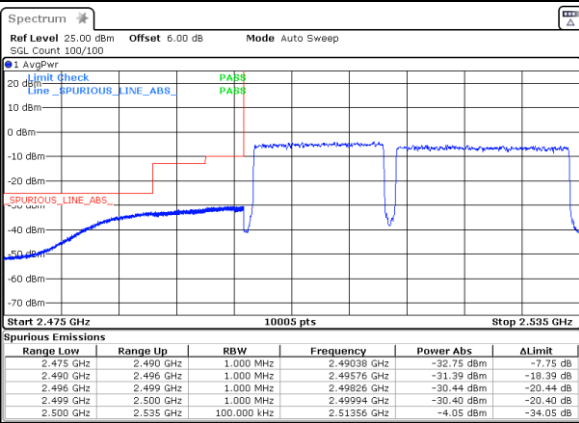


Date: 25.OCT.2022 00:20:17

Date: 25.OCT.2022 00:21:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2022 00:17:42

Date: 25.OCT.2022 00:24:15

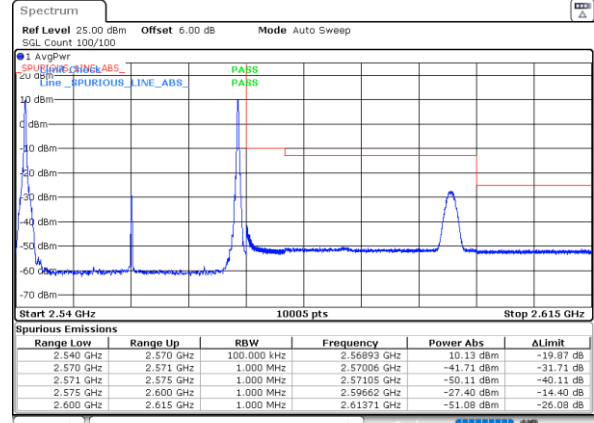
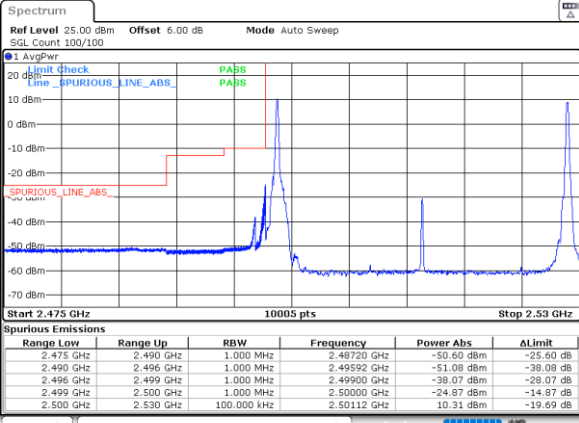


LTE Band 7 / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

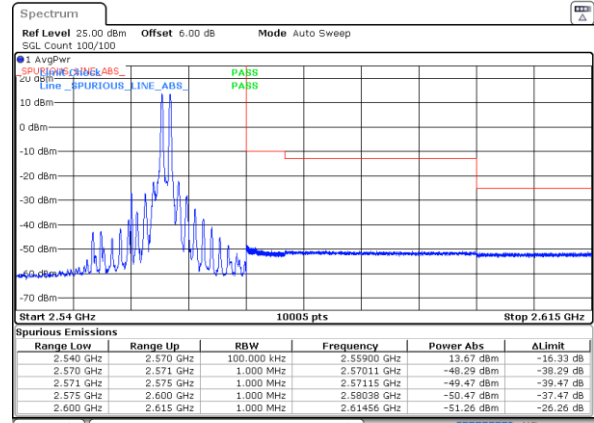
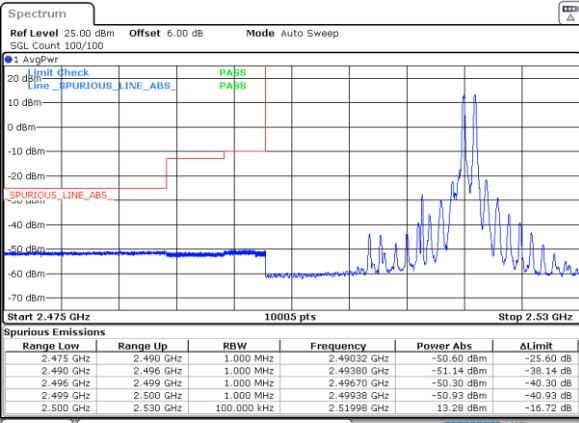


Date: 25.OCT.2022 00:01:37

Date: 25.OCT.2022 00:05:34

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

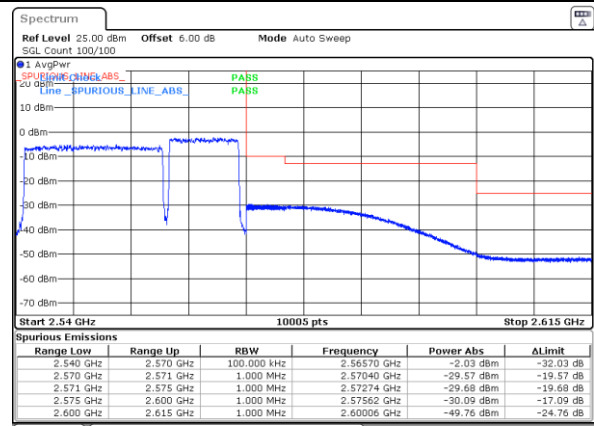
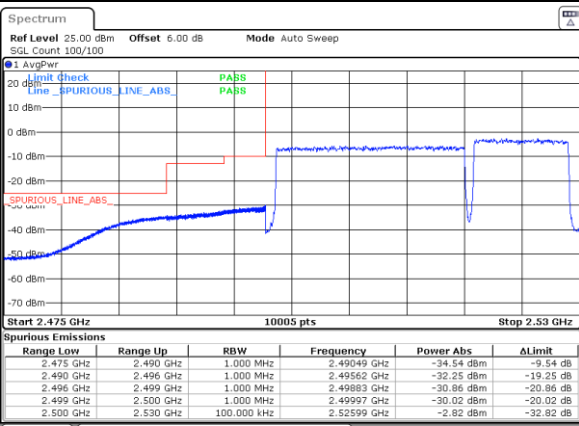


Date: 25.OCT.2022 00:02:54

Date: 25.OCT.2022 00:04:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2022 00:00:19

Date: 25.OCT.2022 00:06:51

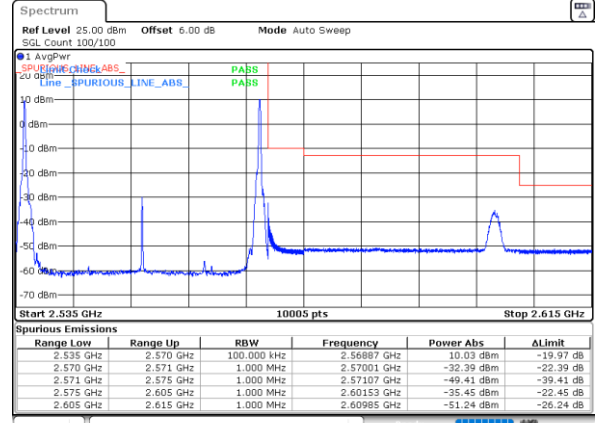
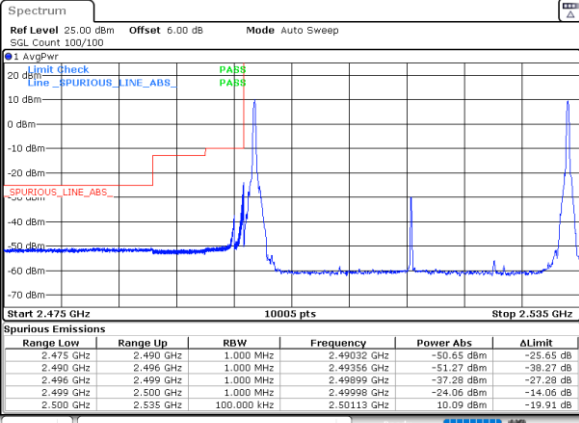


LTE Band 7 / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

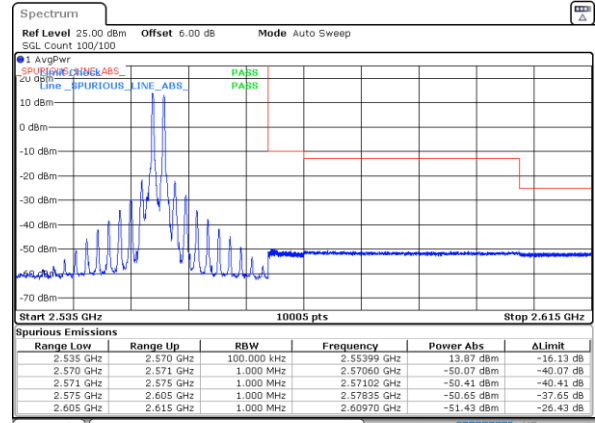
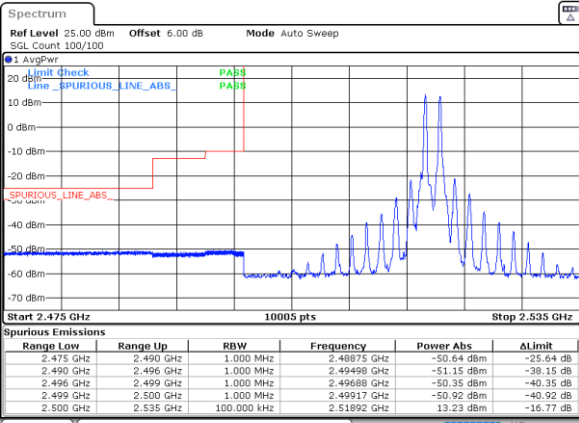


Date: 25.OCT.2022 00:27:35

Date: 25.OCT.2022 00:31:32

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

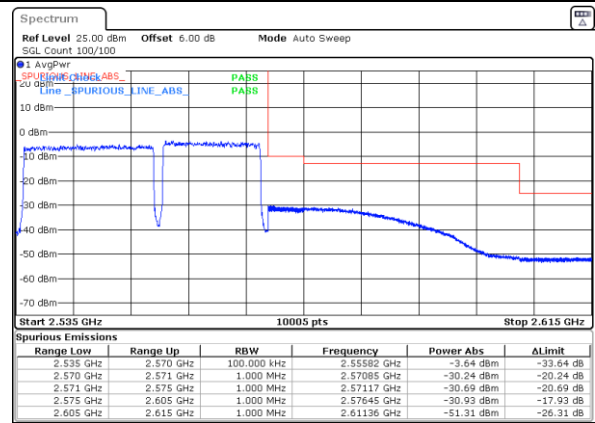
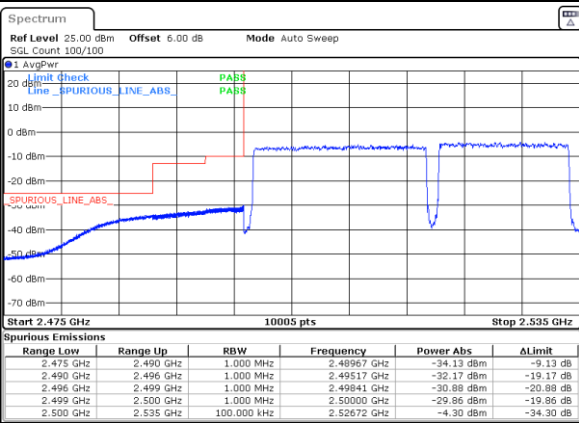


Date: 25.OCT.2022 00:28:52

Date: 25.OCT.2022 00:31:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2022 00:26:18

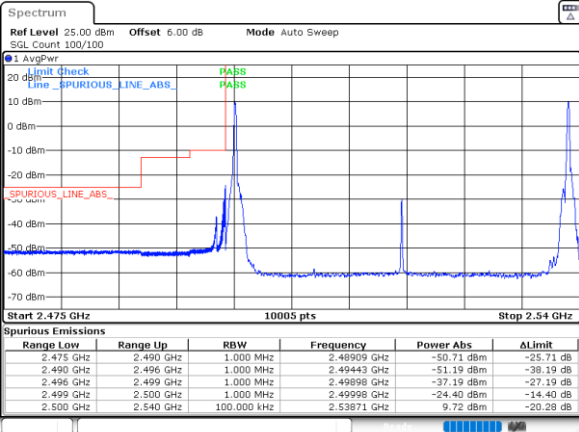
Date: 25.OCT.2022 00:32:50



LTE Band 7 / 20MHz+20MHz

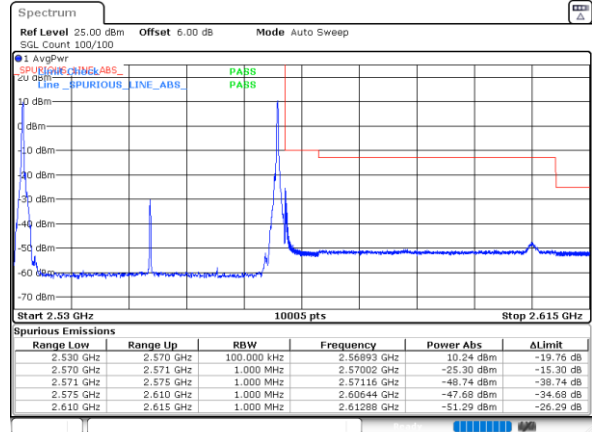
256QAM

Lowest Band Edge / 1RB0 and 1RB9



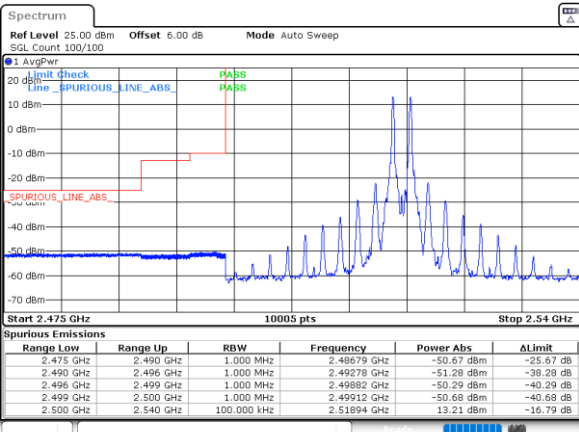
Date: 25.OCT.2022 00:35:32

Highest Band Edge / 1RB0 and 1RB9



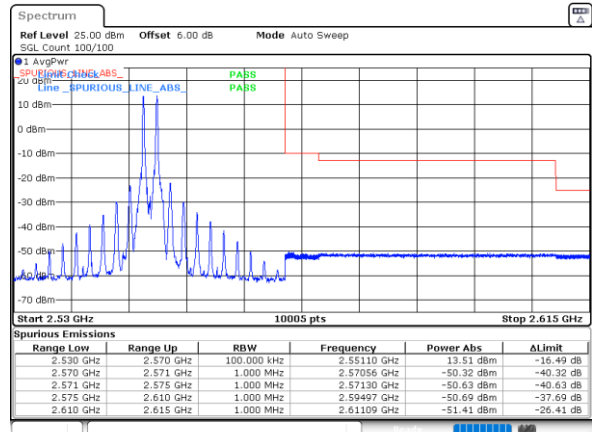
Date: 25.OCT.2022 00:39:29

Lowest Band Edge / 1RB99 and 1RB0



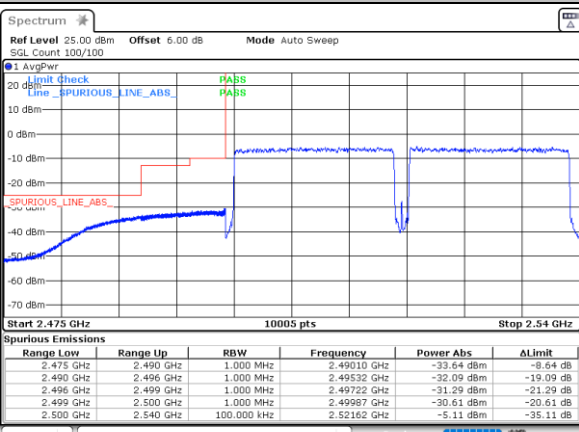
Date: 25.OCT.2022 00:36:49

Highest Band Edge / 1RB99 and 1RB0



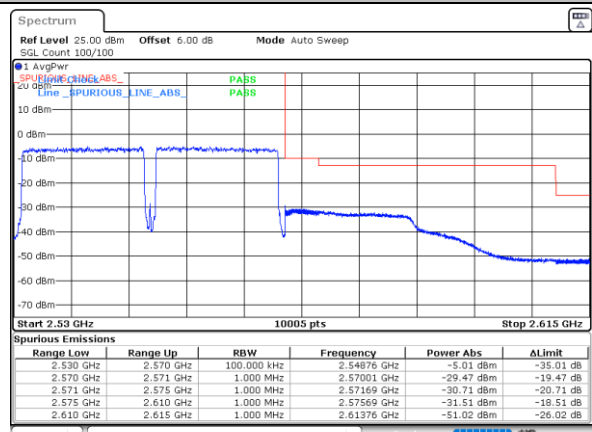
Date: 25.OCT.2022 00:38:12

Lowest Band Edge / Full RB



Date: 25.OCT.2022 00:34:14

Highest Band Edge / Full RB



Date: 25.OCT.2022 00:40:47

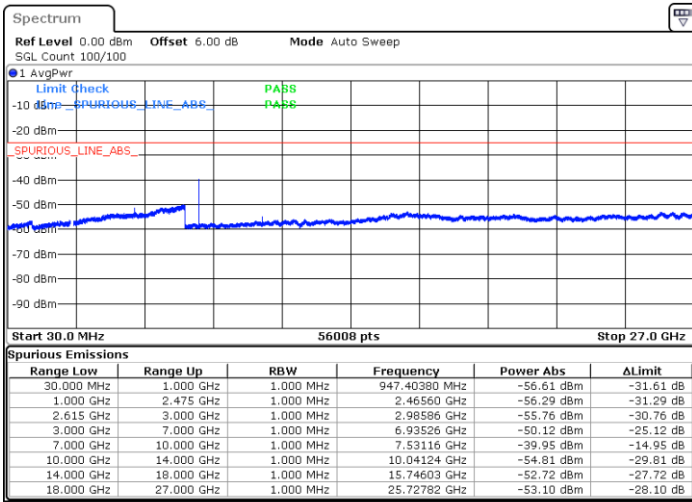


Conducted Spurious Emission

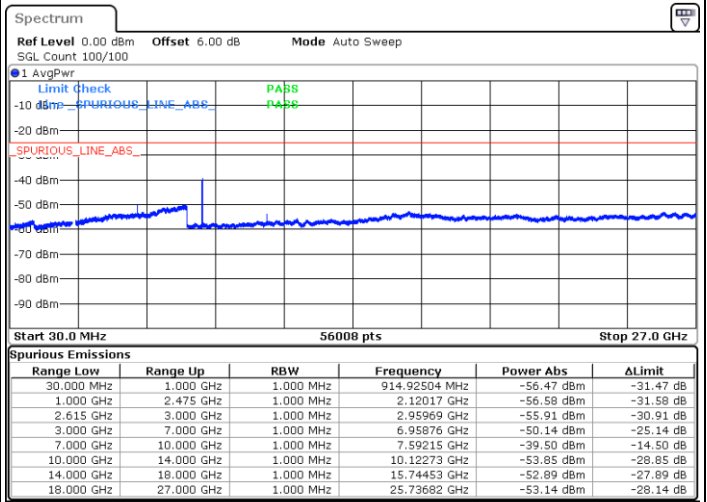
LTE Band 7 / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

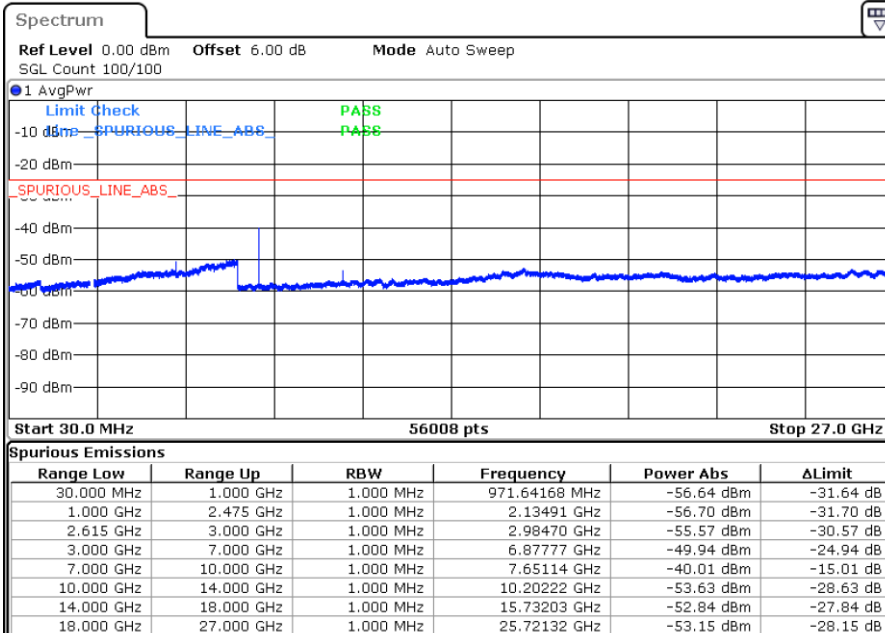


Date: 11.OCT.2022 03:45:03



Date: 11.OCT.2022 03:56:50

Highest Channel / QPSK



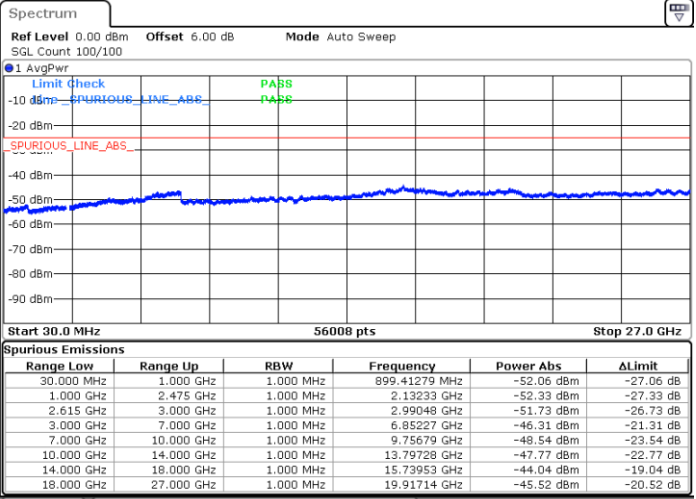
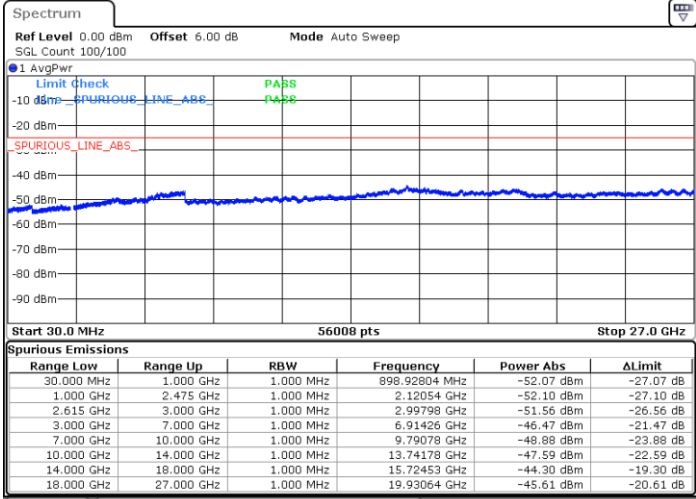
Date: 11.OCT.2022 03:58:22



LTE Band 7 / 15MHz+10MHz

Lowest Channel / QPSK

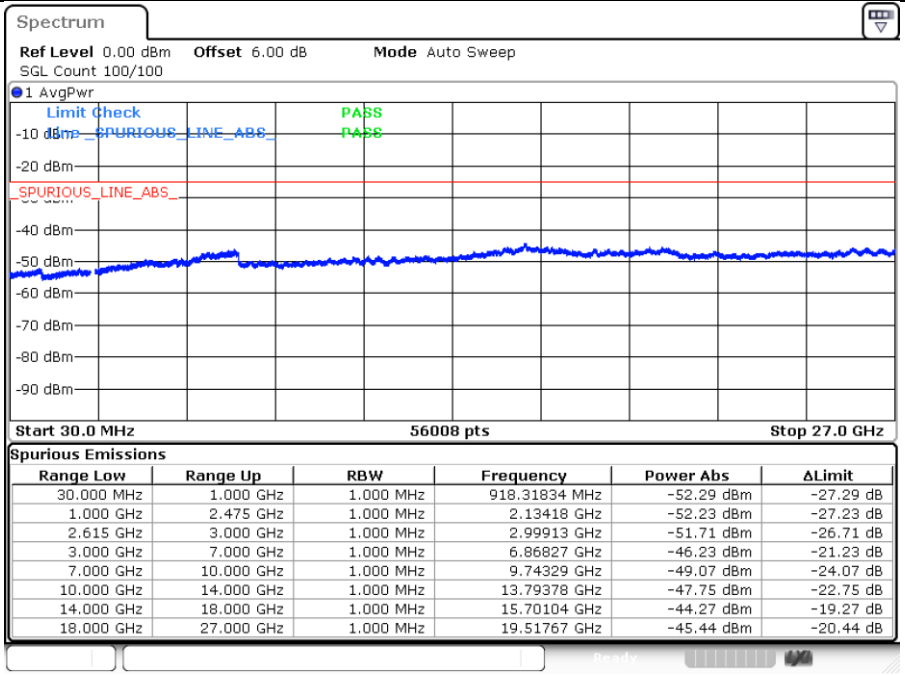
Middle Channel / QPSK



Date: 11.OCT.2022 04:25:56

Date: 11.OCT.2022 04:58:28

Highest Channel / QPSK



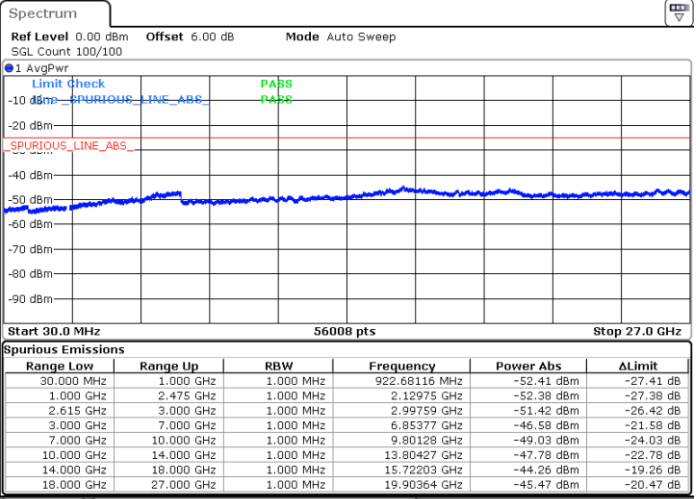
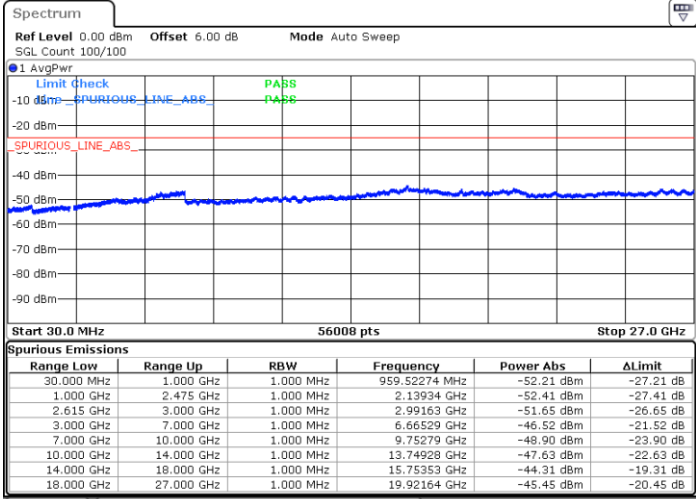
Date: 11.OCT.2022 05:00:01



LTE Band 7 / 15MHz+15MHz

Lowest Channel / QPSK

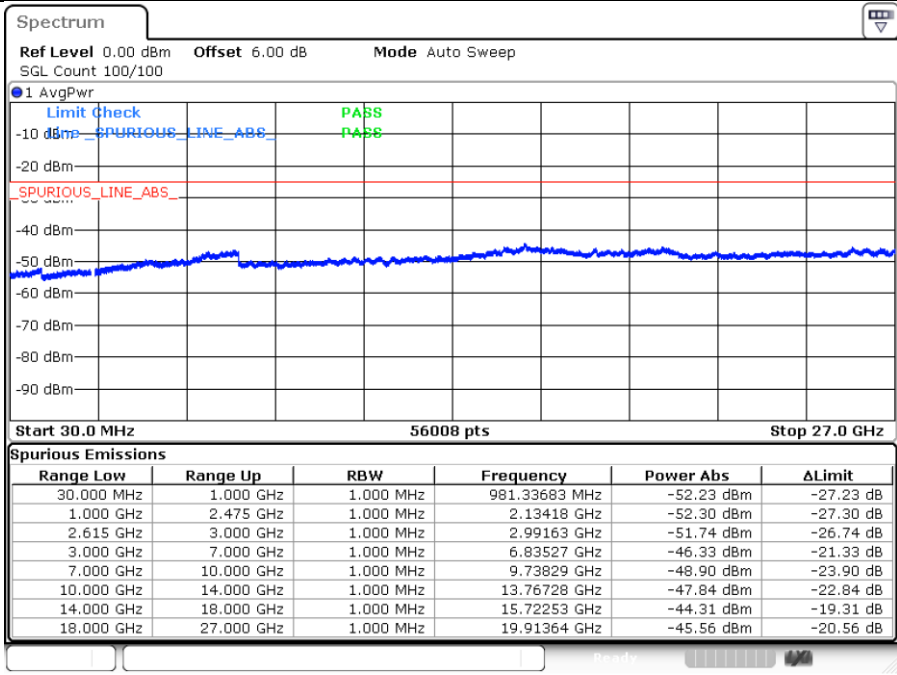
Middle Channel / QPSK



Date: 11.OCT.2022 12:02:59

Date: 11.OCT.2022 12:18:09

Highest Channel / QPSK



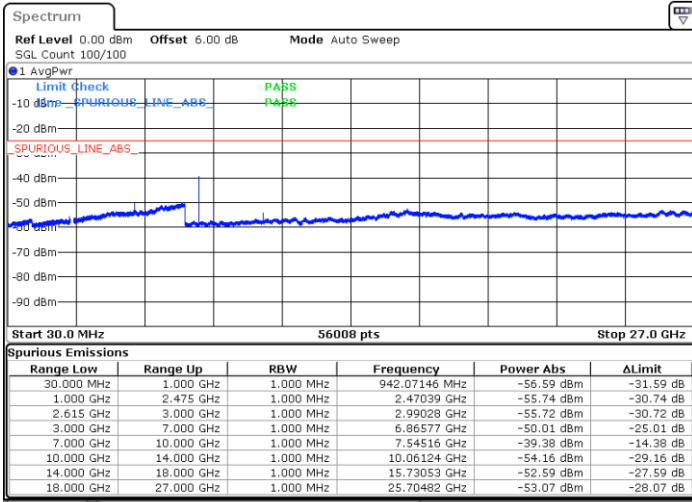
Date: 11.OCT.2022 12:19:41



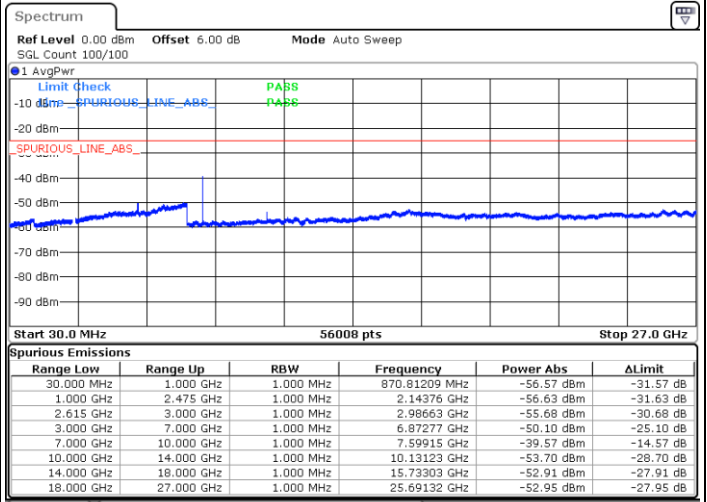
LTE Band 7 / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

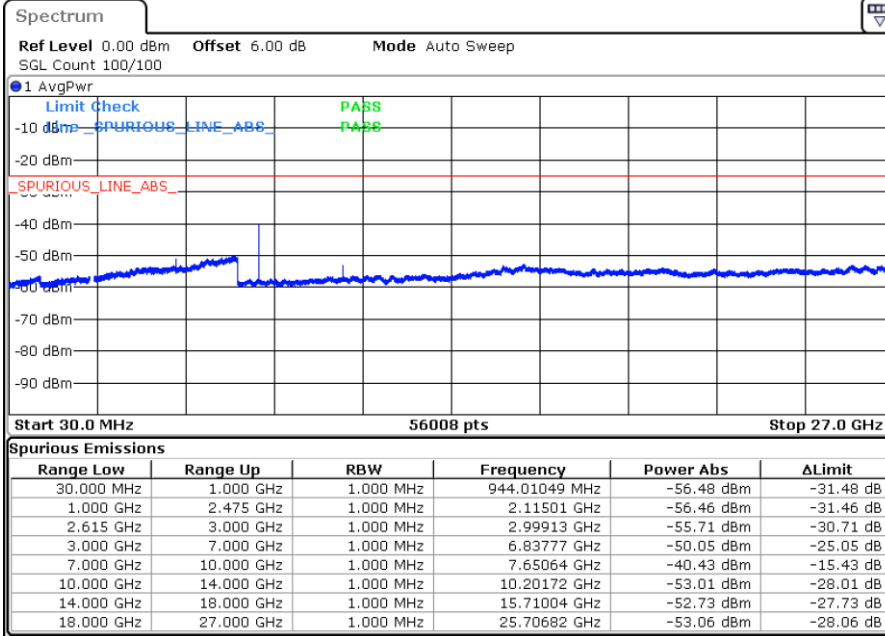


Date: 11.OCT.2022 13:48:13



Date: 11.OCT.2022 14:03:22

Highest Channel / QPSK



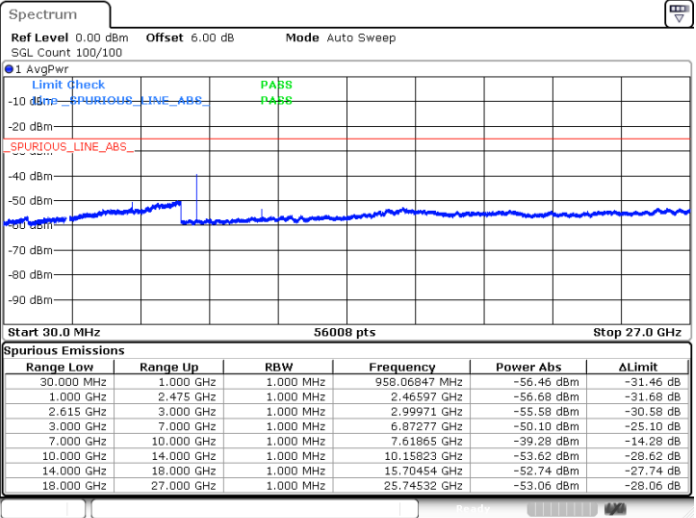
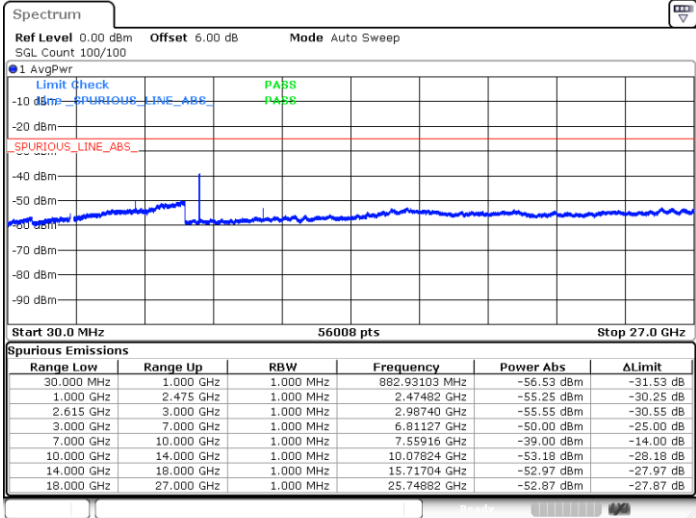
Date: 11.OCT.2022 14:04:55



LTE Band 7 / 20MHz+10MHz

Lowest Channel / QPSK

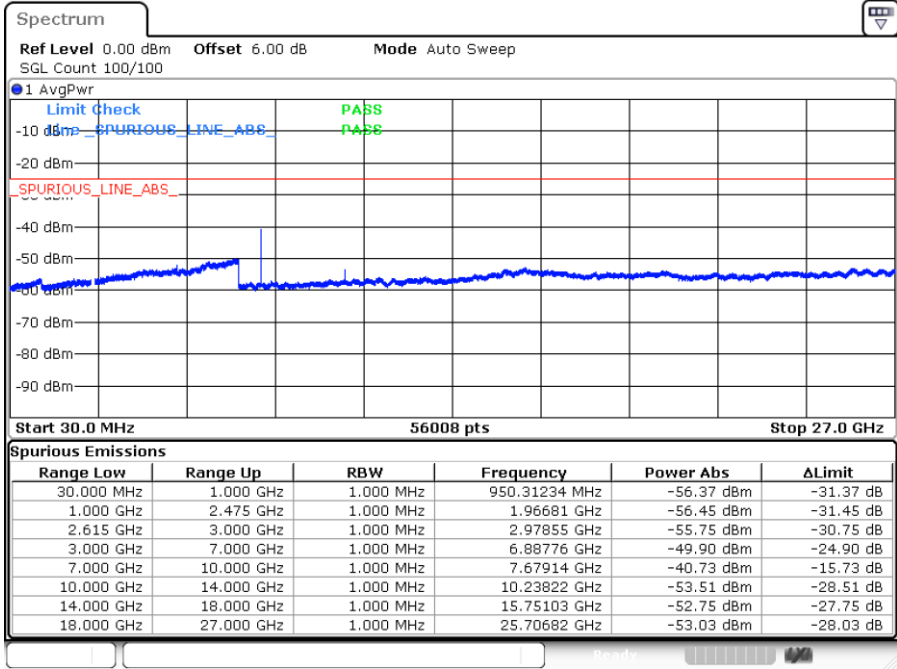
Middle Channel / QPSK



Date: 11.OCT.2022 14:37:32

Date: 11.OCT.2022 15:05:11

Highest Channel / QPSK



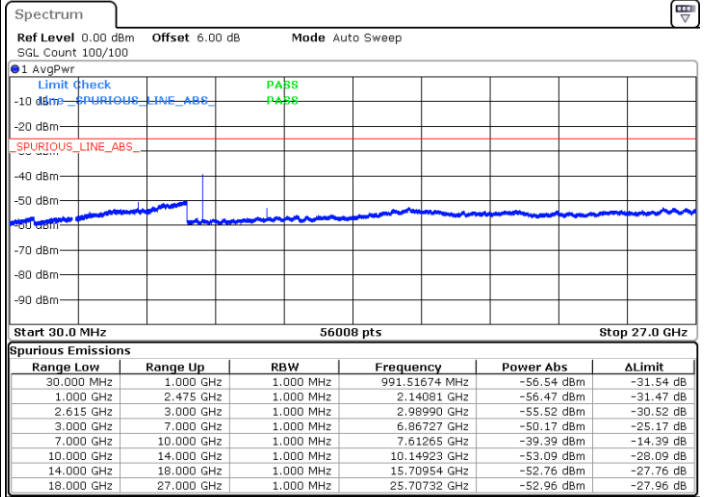
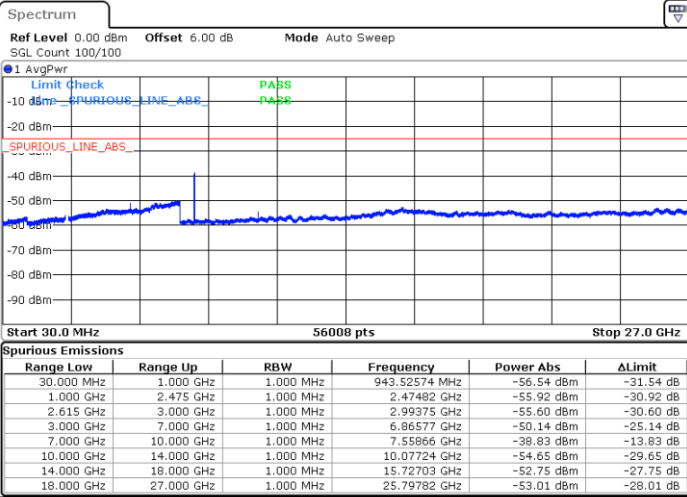
Date: 11.OCT.2022 15:06:44



LTE Band 7 / 20MHz+15MHz

Lowest Channel / QPSK

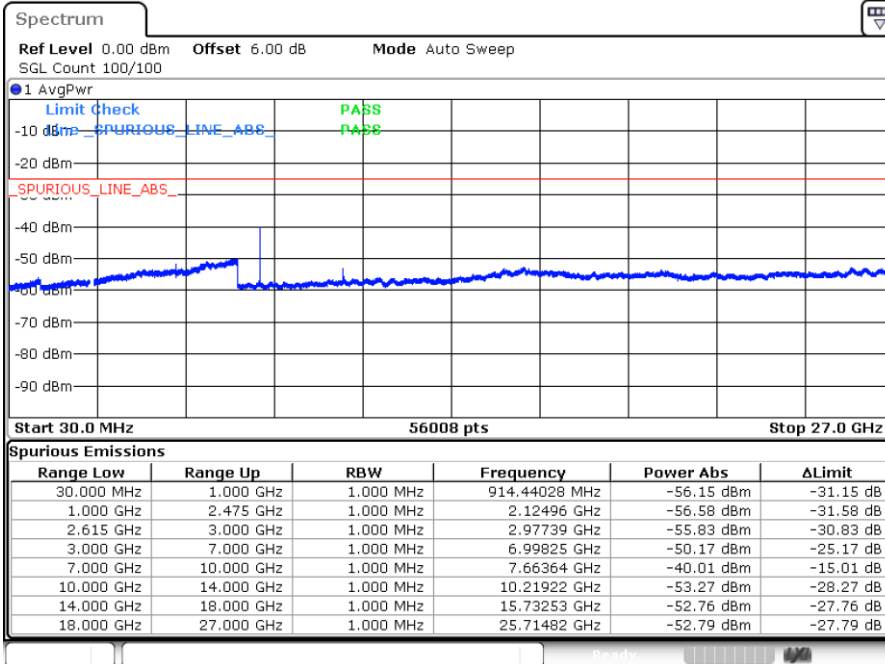
Middle Channel / QPSK



Date: 11.OCT.2022 15:33:56

Date: 11.OCT.2022 15:49:04

Highest Channel / QPSK



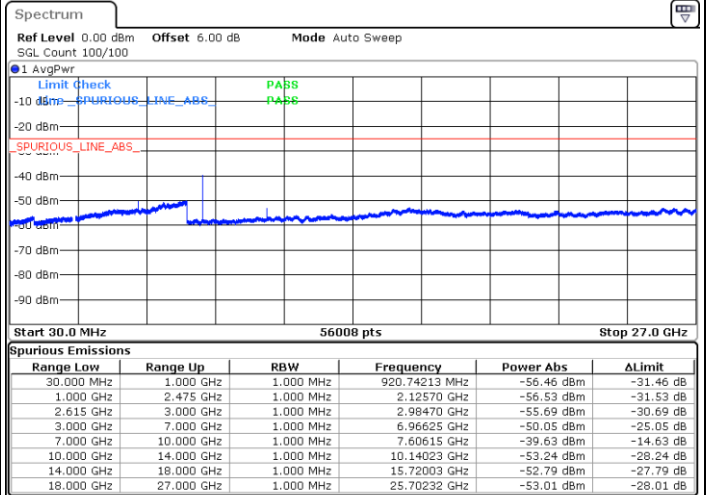
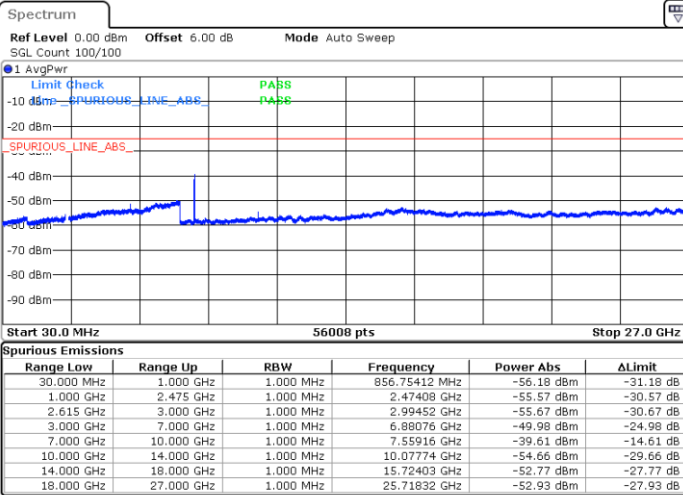
Date: 11.OCT.2022 15:50:36



LTE Band 7 /20MHz+20MHz

Lowest Channel / QPSK

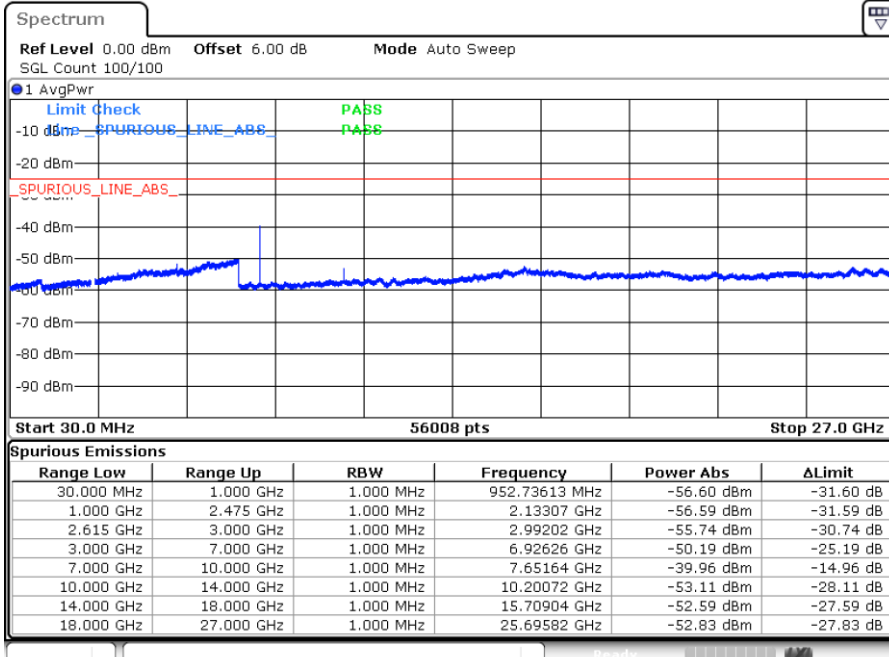
Middle Channel / QPSK



Date: 11.OCT.2022 16:14:44

Date: 11.OCT.2022 16:39:23

Highest Channel / QPSK



Date: 11.OCT.2022 16:40:55



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0015	

Note:

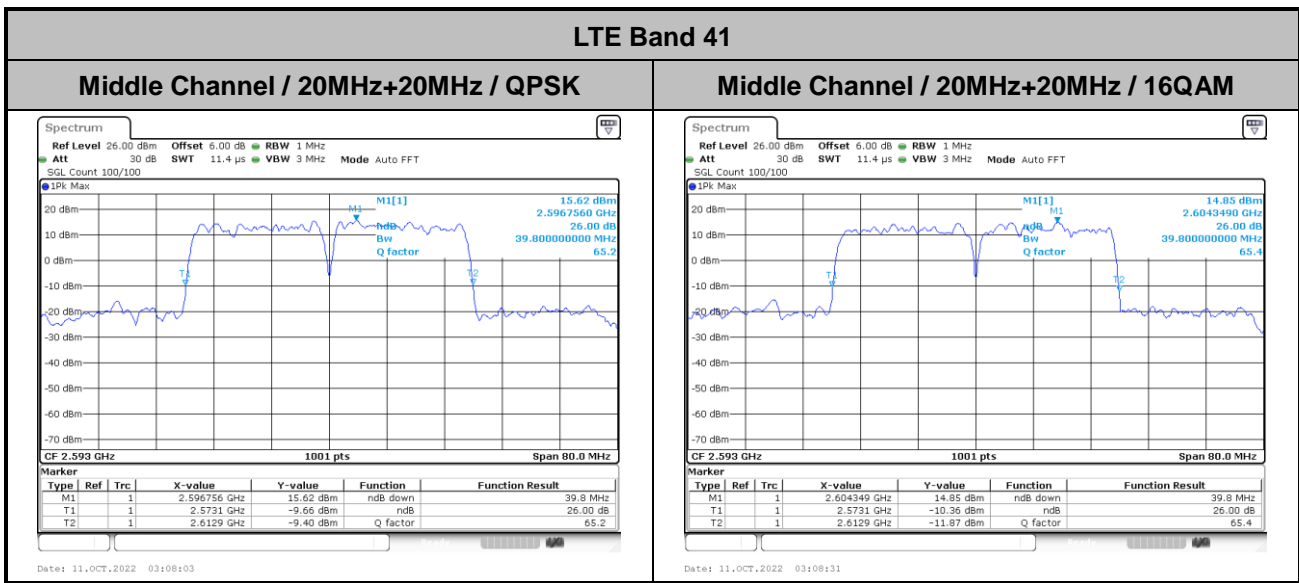
1. Normal Voltage = 3.87V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage = 4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41-CA : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	39.80	39.80





Occupied Bandwidth

Mode	LTE Band 41-CA : 99%OBW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	37.88	37.80

