

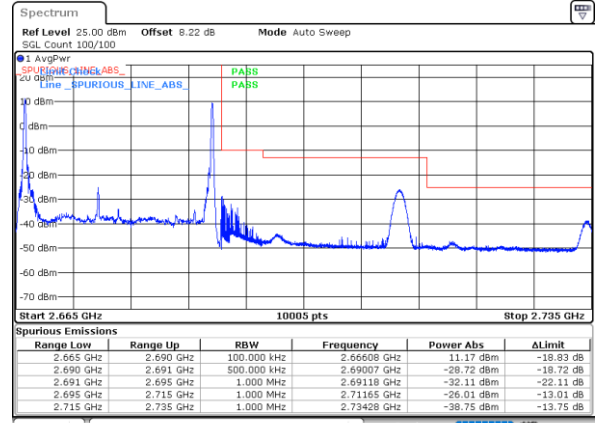
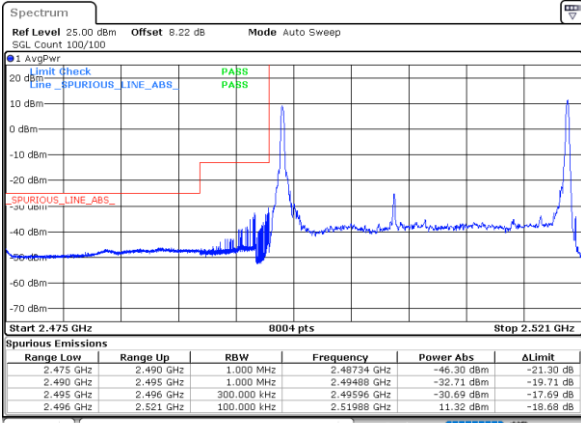


LTE Band 41C / 20MHz+5MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

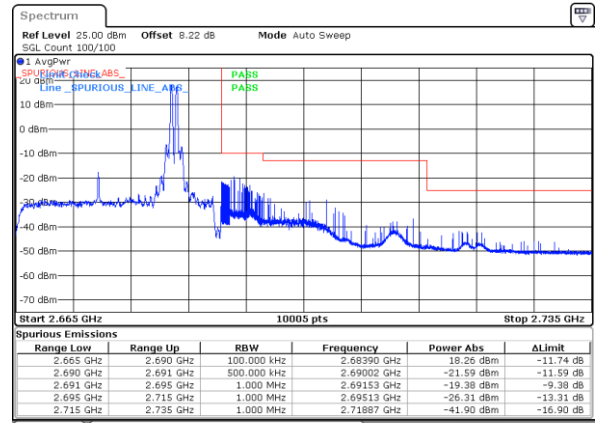
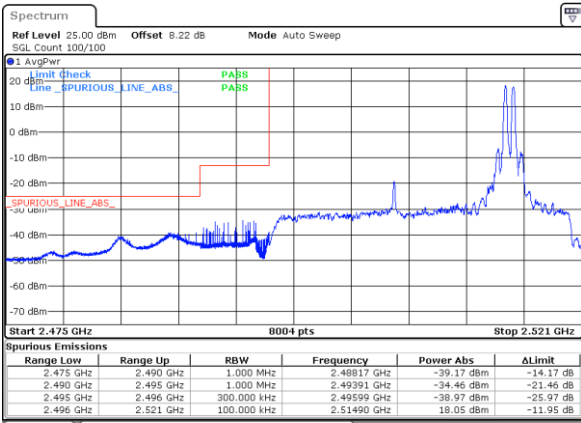


Date: 11.FEB.2023 16:12:30

Date: 11.FEB.2023 16:22:42

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

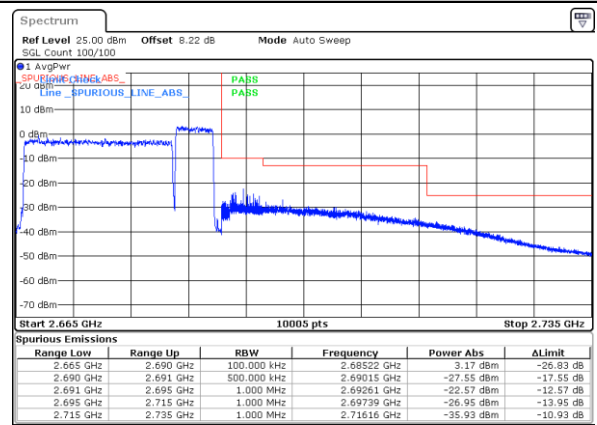
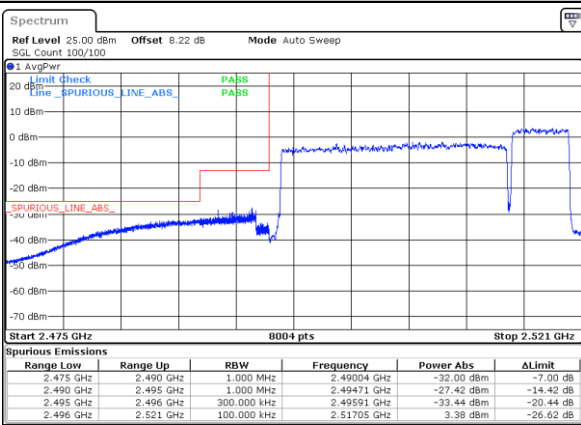


Date: 11.FEB.2023 16:14:51

Date: 11.FEB.2023 19:45:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2023 16:10:09

Date: 11.FEB.2023 16:20:19

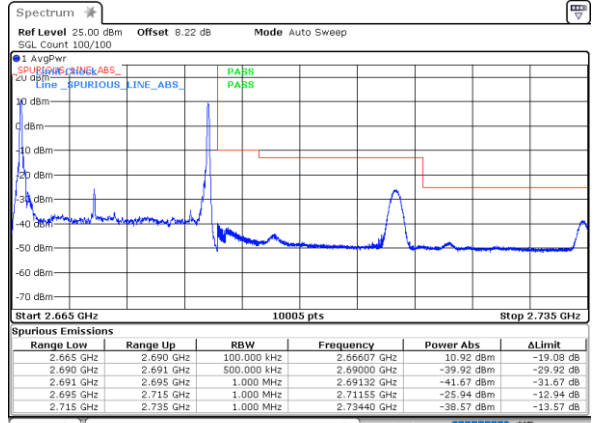
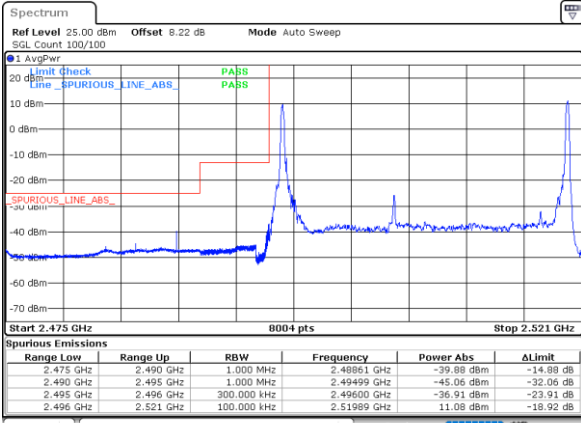


LTE Band 41C / 20MHz+5MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

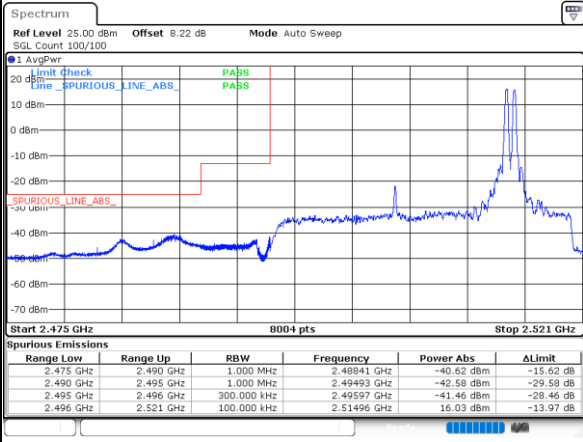


Date: 11.FEB.2023 16:13:17

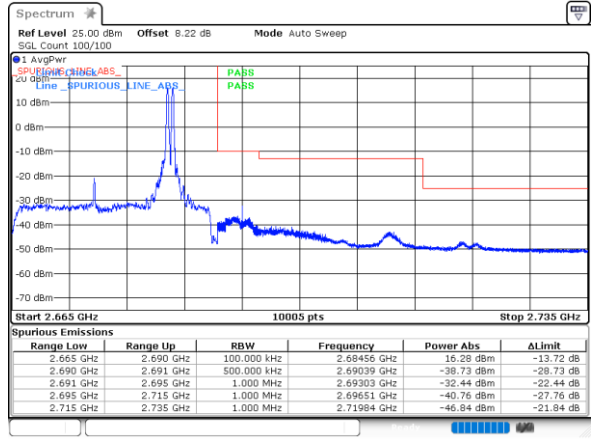
Date: 11.FEB.2023 19:44:11

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0



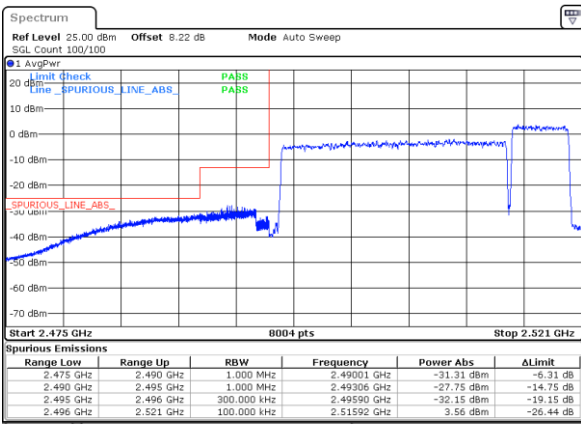
Date: 11.FEB.2023 16:15:38



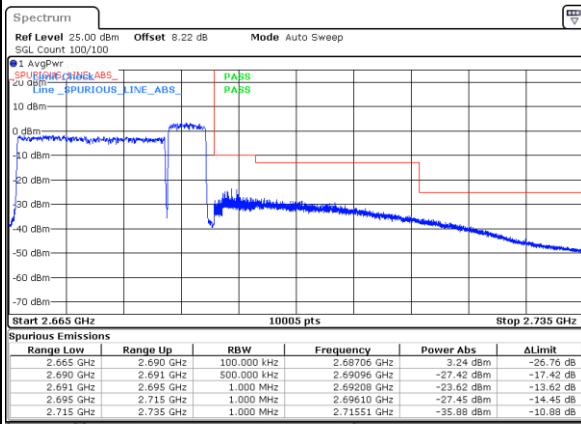
Date: 11.FEB.2023 16:29:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2023 16:10:56



Date: 11.FEB.2023 16:21:06

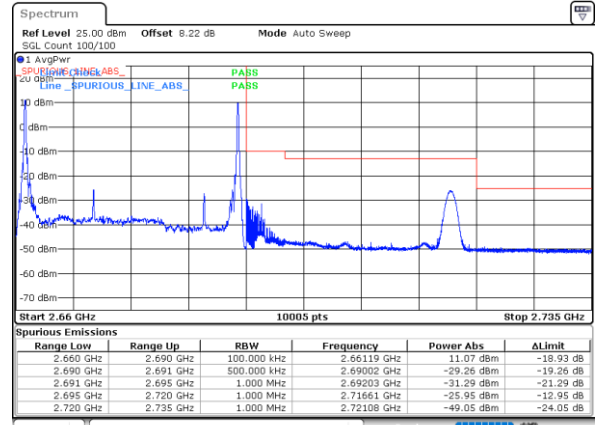
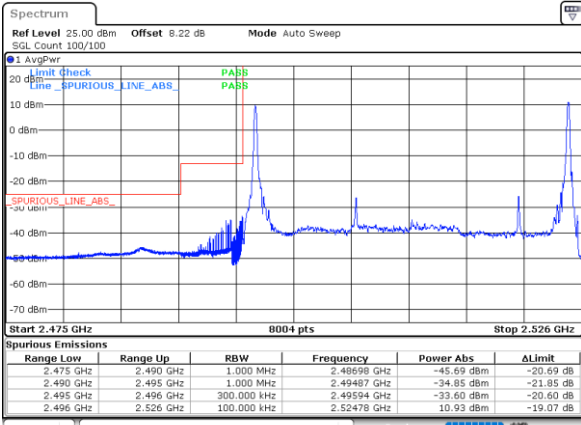


LTE Band 41C / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

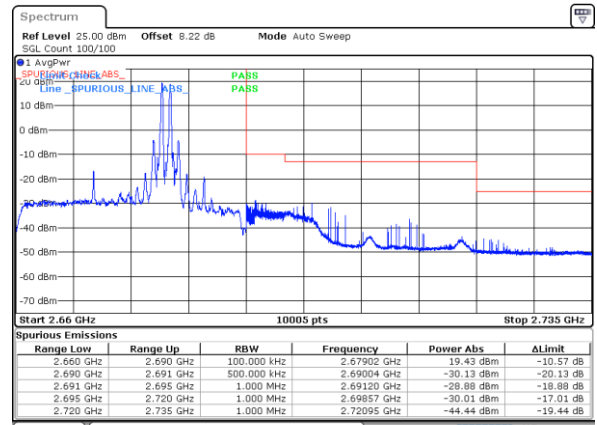
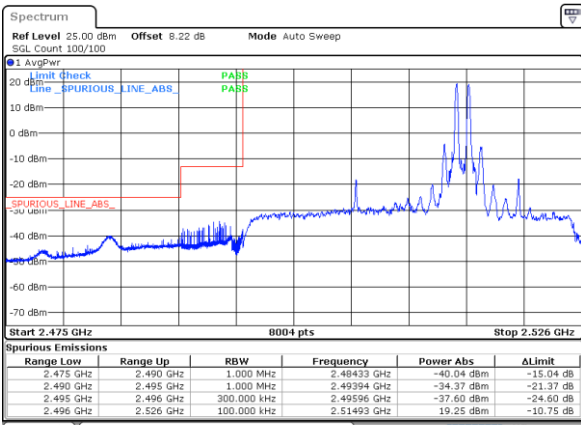


Date: 11.FEB.2023 17:32:59

Date: 11.FEB.2023 17:43:57

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

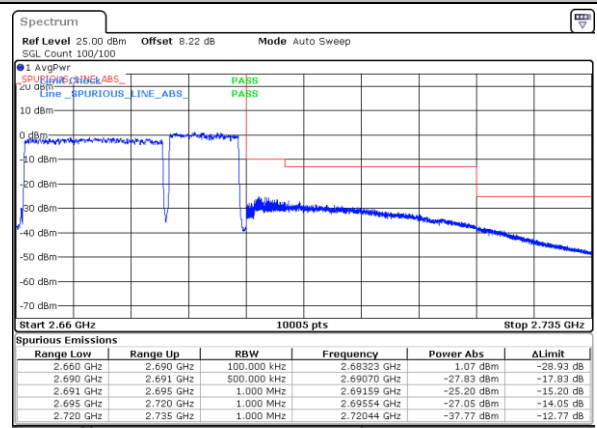
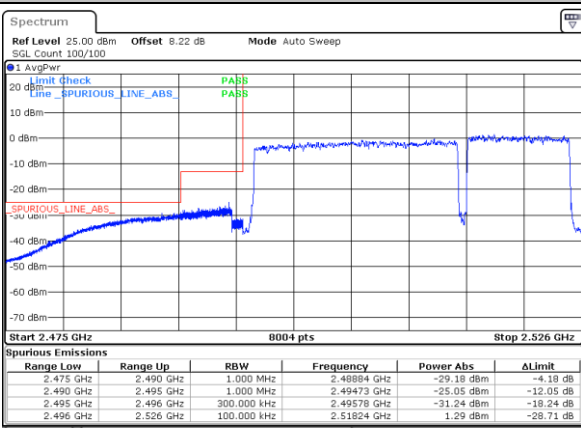


Date: 11.FEB.2023 17:35:22

Date: 11.FEB.2023 17:46:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2023 17:30:36

Date: 11.FEB.2023 17:41:34

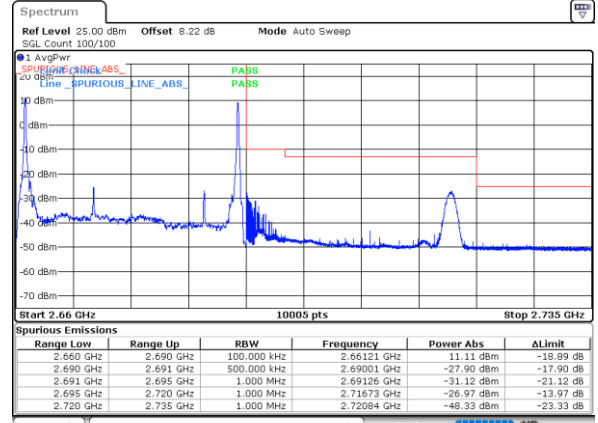
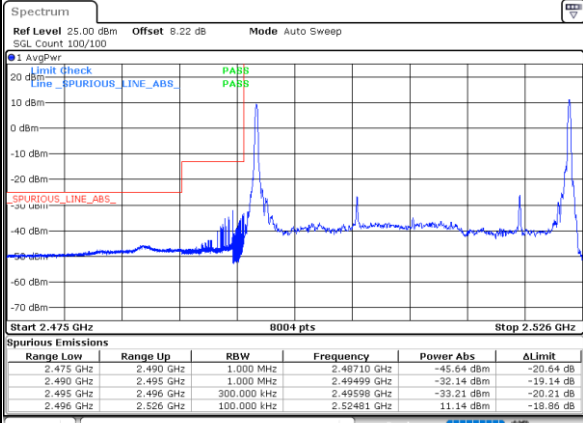


LTE Band 41C / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

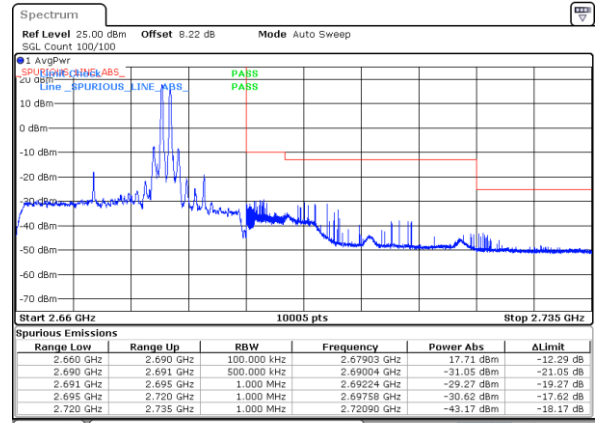
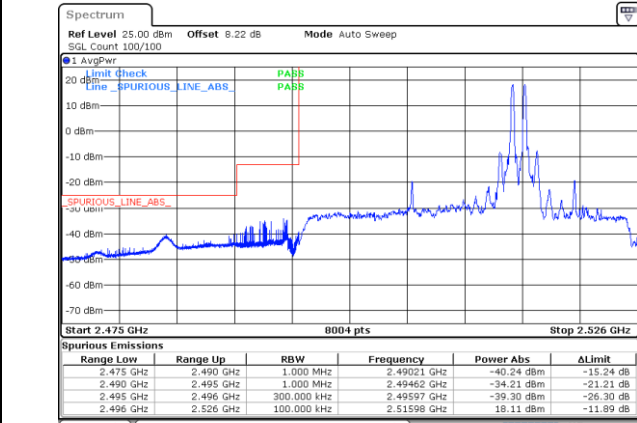


Date: 11.FEB.2023 17:33:47

Date: 11.FEB.2023 17:44:44

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

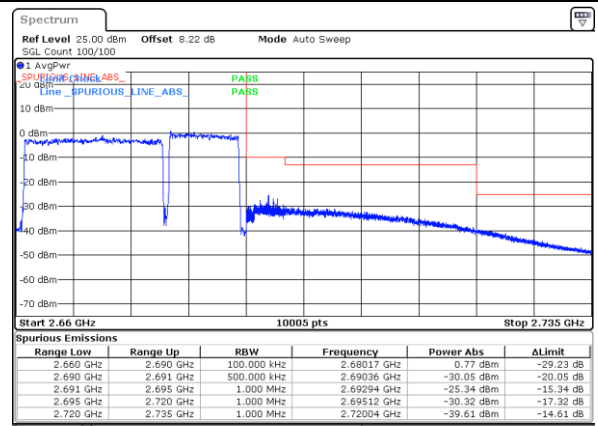
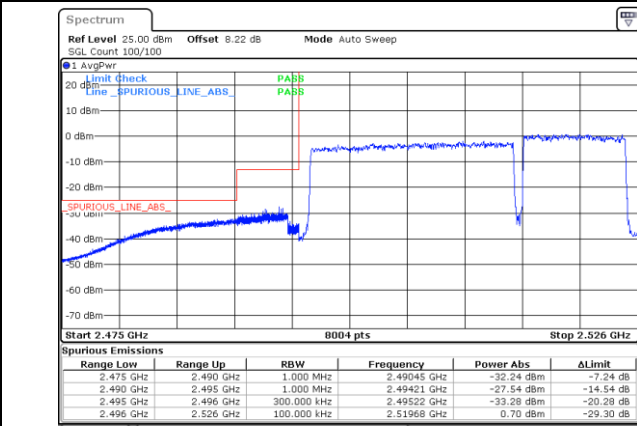


Date: 11.FEB.2023 17:36:10

Date: 11.FEB.2023 17:47:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2023 17:31:23

Date: 11.FEB.2023 17:42:21

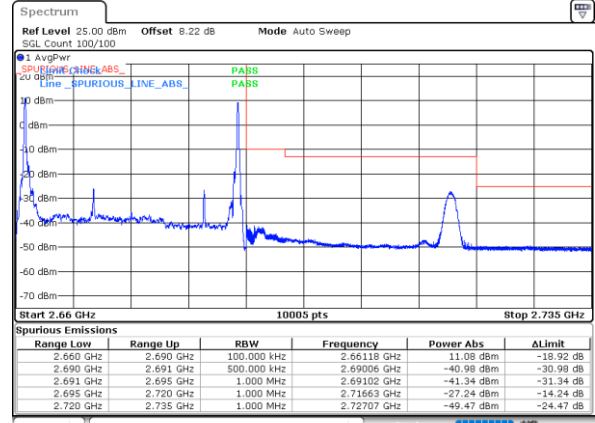
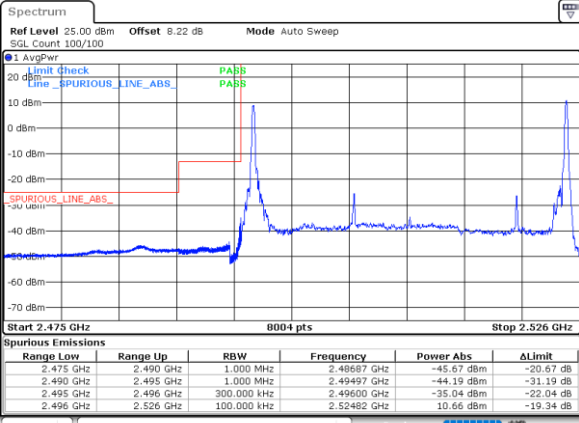


LTE Band 41C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

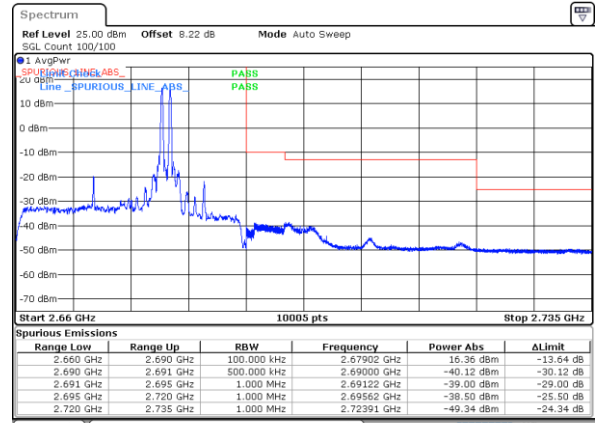
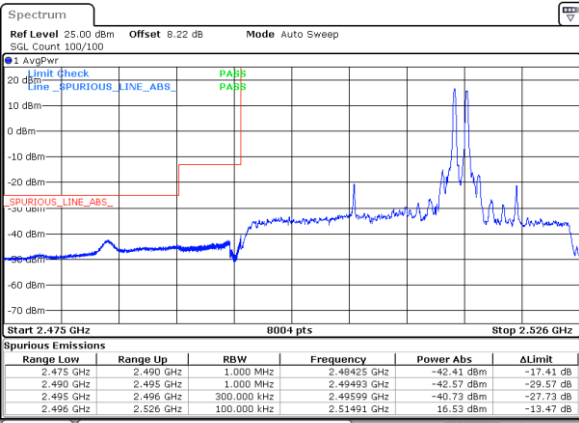


Date: 11.FEB.2023 17:34:34

Date: 11.FEB.2023 17:45:32

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

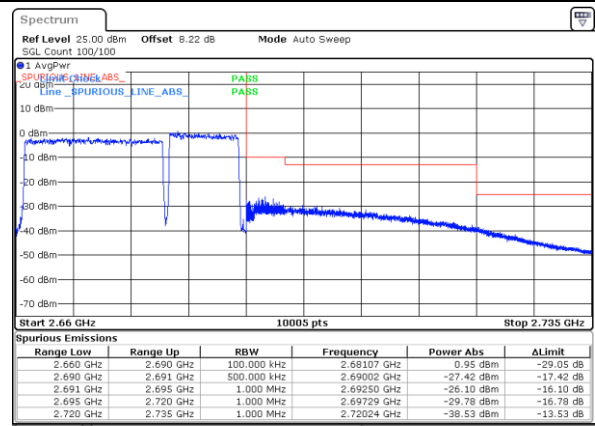
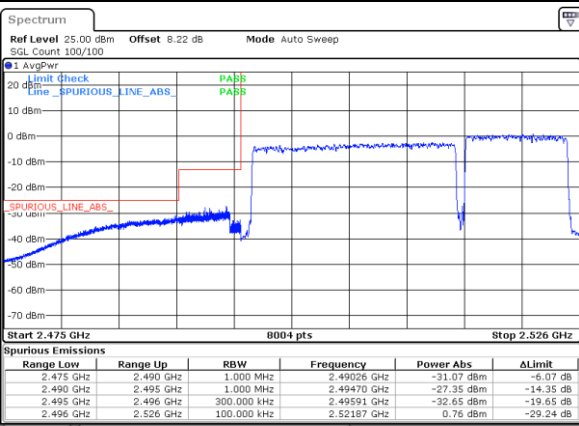


Date: 11.FEB.2023 17:36:58

Date: 11.FEB.2023 17:47:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2023 17:32:11

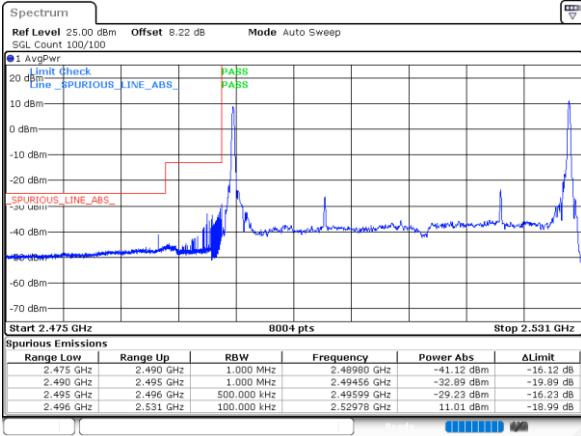
Date: 11.FEB.2023 17:43:09



LTE Band 41C / 20MHz+15MHz

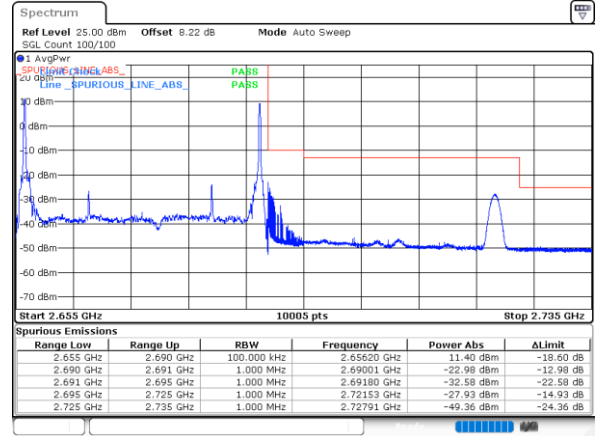
QPSK

Lowest Band Edge / 1RB0 and 1RB74



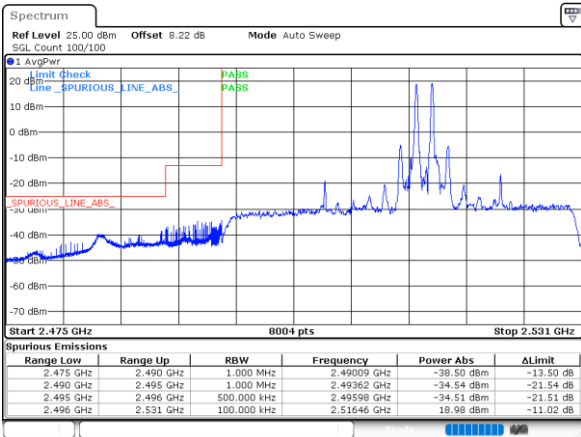
Date: 11.FEB.2023 18:41:43

Highest Band Edge / 1RB0 and 1RB74



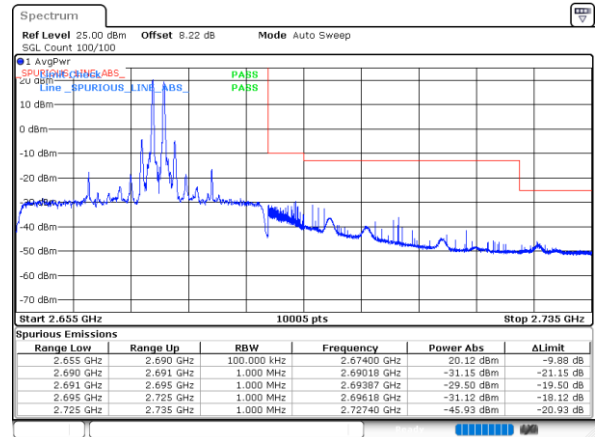
Date: 11.FEB.2023 18:52:00

Lowest Band Edge / 1RB99 and 1RB0



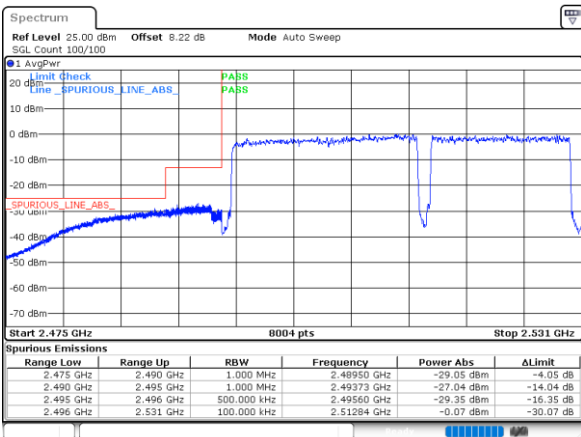
Date: 11.FEB.2023 18:44:06

Highest Band Edge / 1RB99 and 1RB0



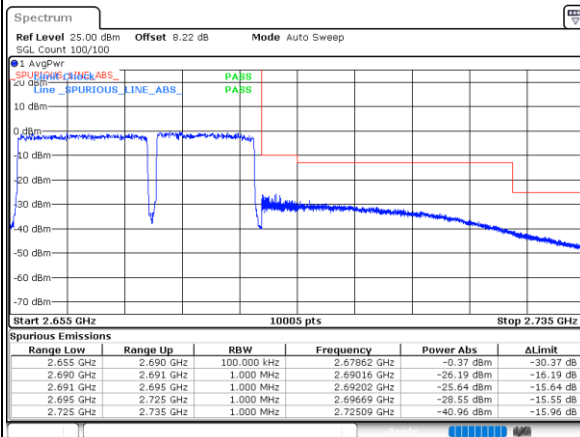
Date: 11.FEB.2023 18:54:23

Lowest Band Edge / Full RB



Date: 11.FEB.2023 18:38:36

Highest Band Edge / Full RB



Date: 11.FEB.2023 18:49:37

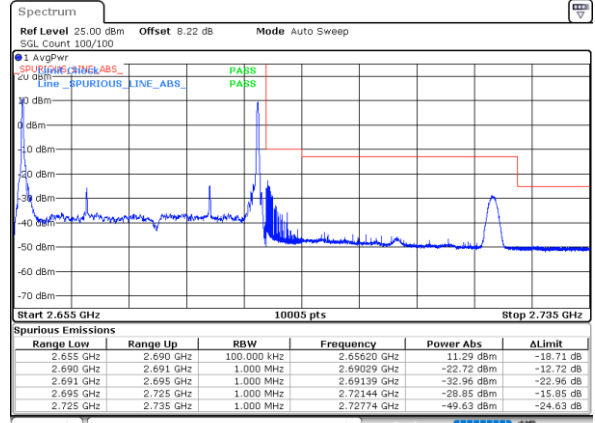


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

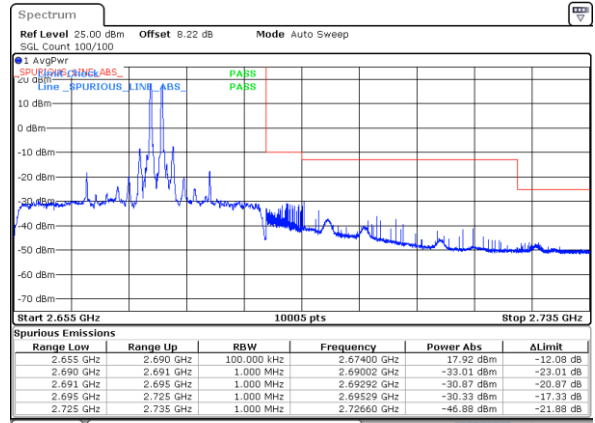
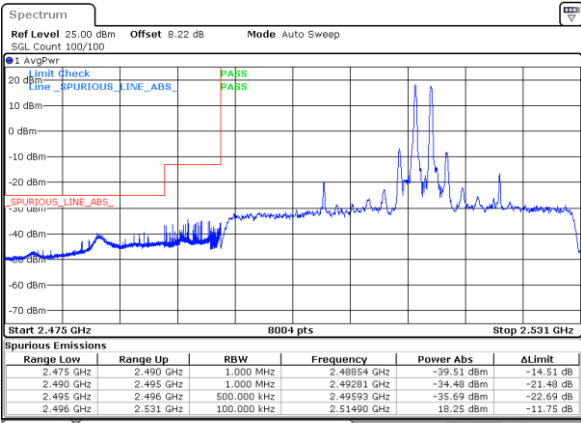


Date: 11.FEB.2023 18:42:30

Date: 11.FEB.2023 18:52:47

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

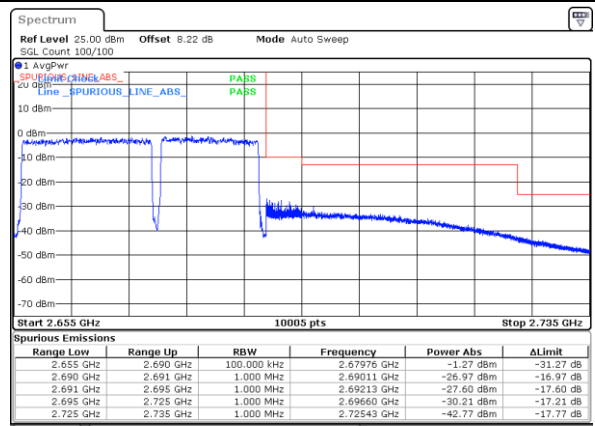
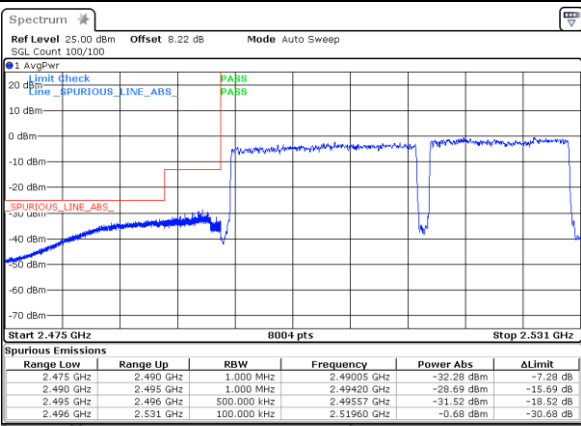


Date: 11.FEB.2023 18:44:55

Date: 11.FEB.2023 18:55:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2023 18:40:06

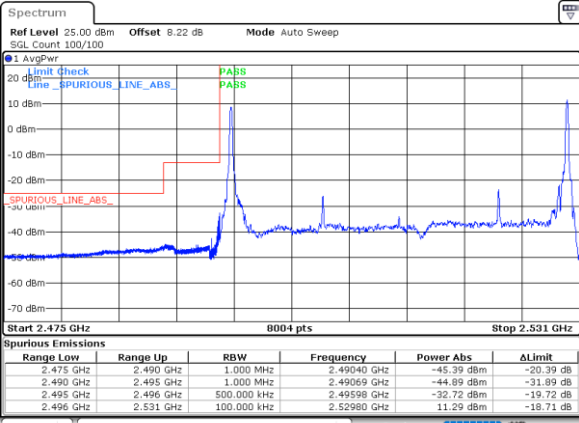
Date: 11.FEB.2023 18:50:24



LTE Band 41C / 20MHz+15MHz

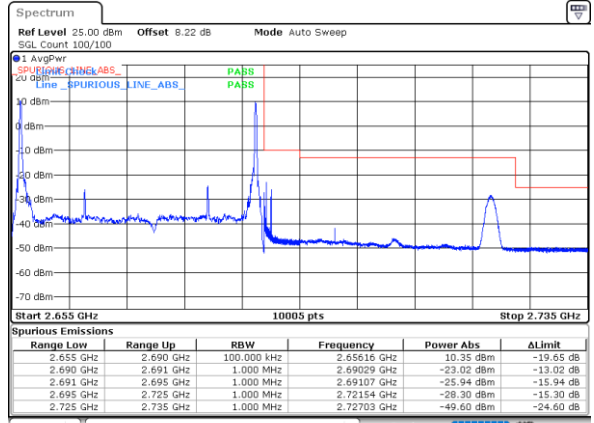
64QAM

Lowest Band Edge / 1RB0 and 1RB74



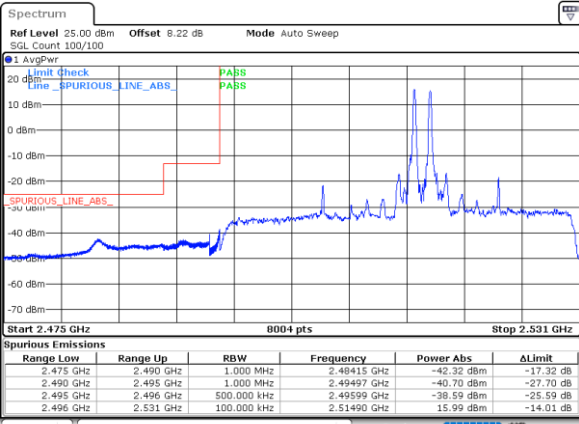
Date: 11.FEB.2023 18:43:18

Highest Band Edge / 1RB0 and 1RB74



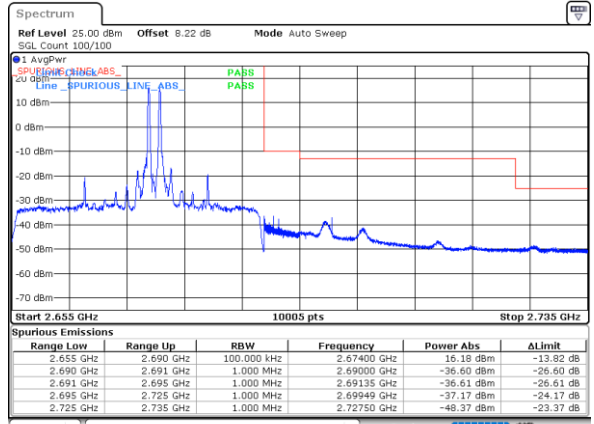
Date: 11.FEB.2023 18:53:35

Lowest Band Edge / 1RB99 and 1RB0



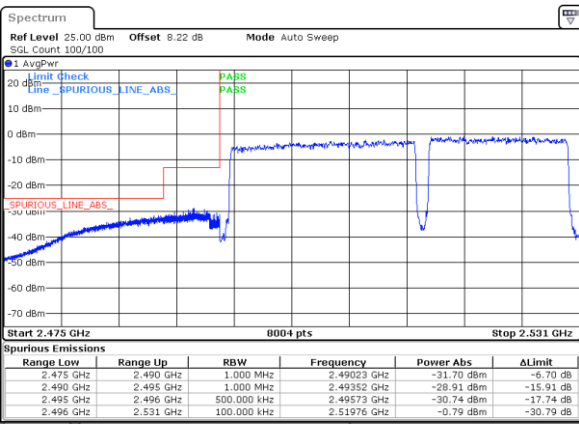
Date: 11.FEB.2023 18:45:43

Highest Band Edge / 1RB99 and 1RB0



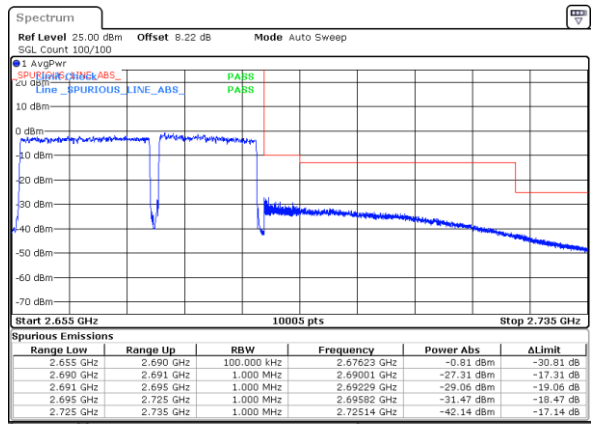
Date: 11.FEB.2023 18:55:58

Lowest Band Edge / Full RB



Date: 11.FEB.2023 18:40:54

Highest Band Edge / Full RB



Date: 11.FEB.2023 18:51:12

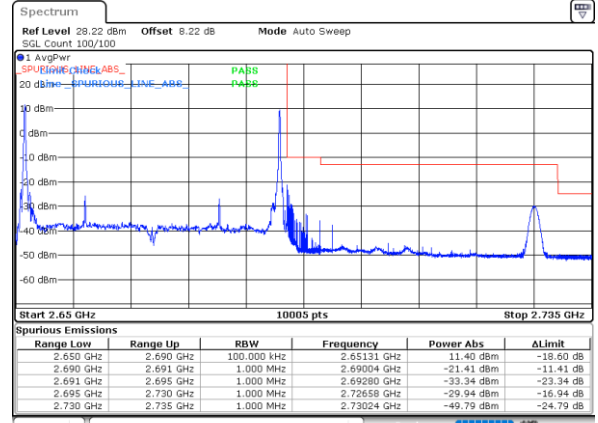
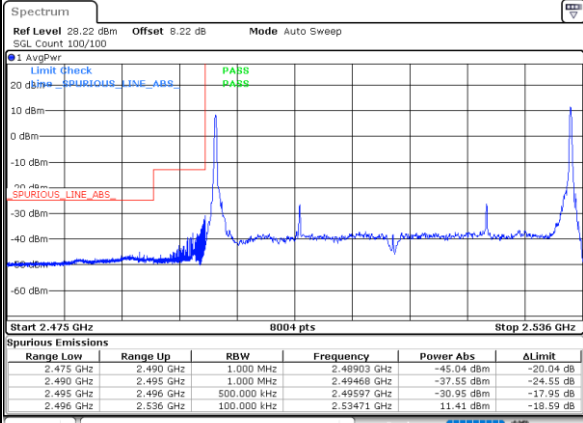


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

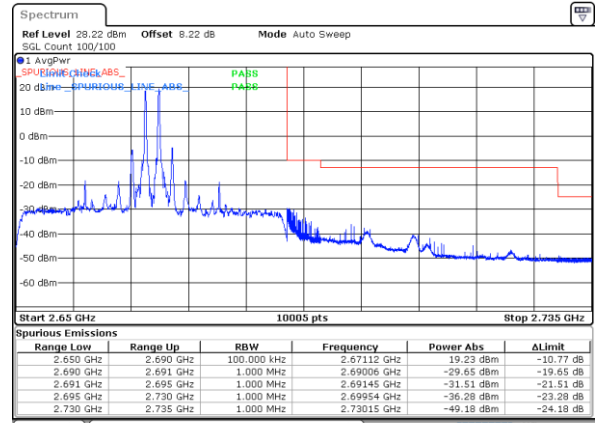
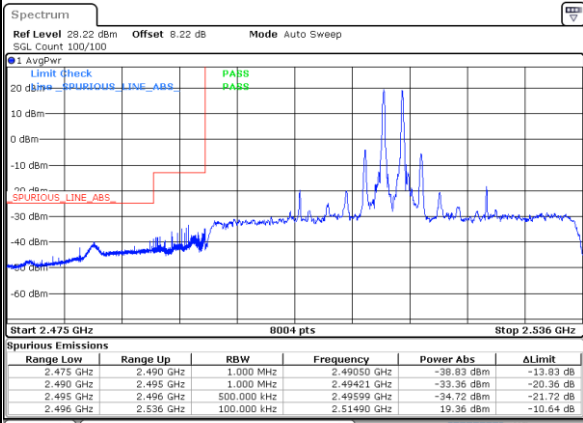


Date: 11.FEB.2023 19:01:24

Date: 11.FEB.2023 19:11:40

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

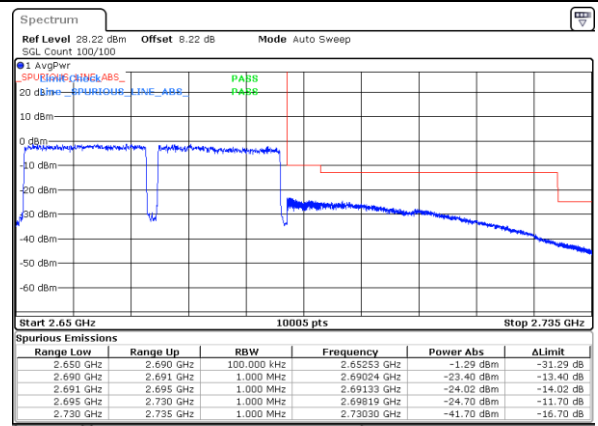
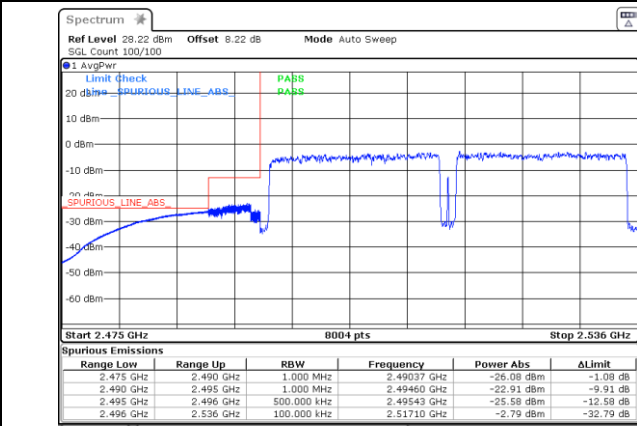


Date: 11.FEB.2023 19:03:48

Date: 11.FEB.2023 19:14:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.FEB.2023 09:29:55

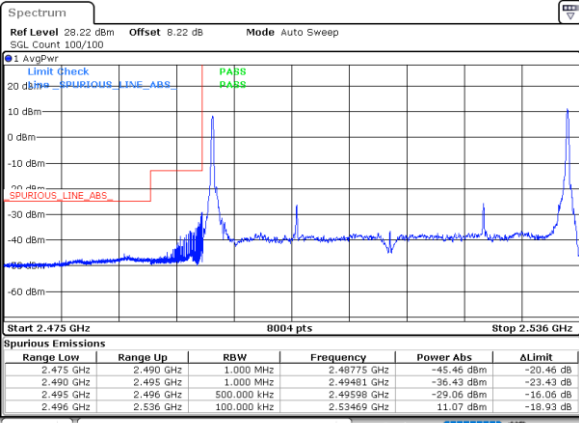
Date: 11.FEB.2023 19:09:17



LTE Band 41C / 20MHz+20MHz

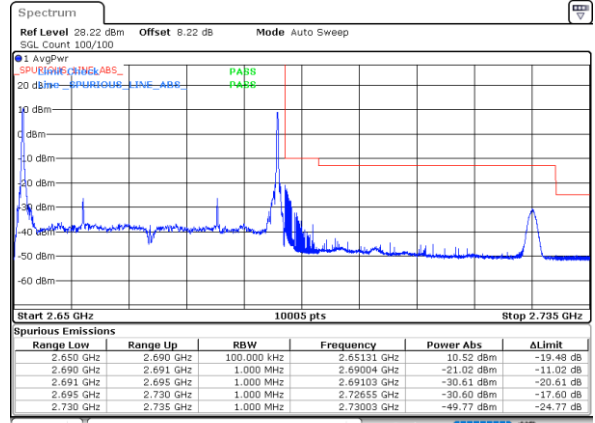
16QAM

Lowest Band Edge / 1RB0 and 1RB9



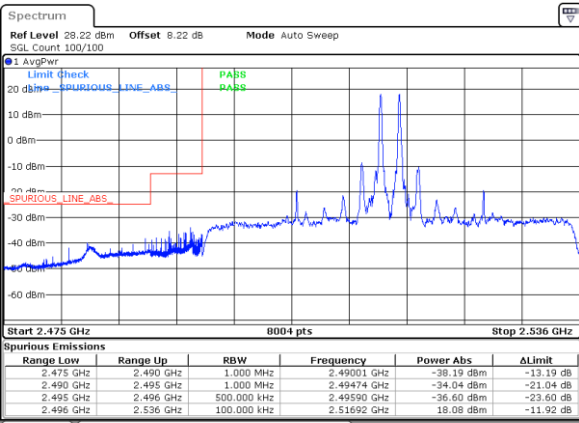
Date: 11.FEB.2023 19:02:12

Highest Band Edge / 1RB0 and 1RB9



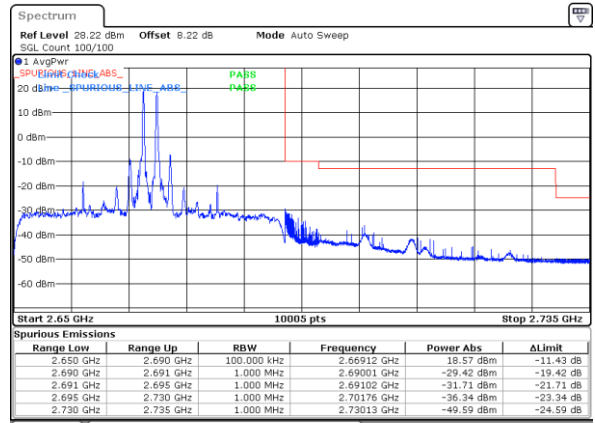
Date: 11.FEB.2023 19:12:27

Lowest Band Edge / 1RB99 and 1RB0



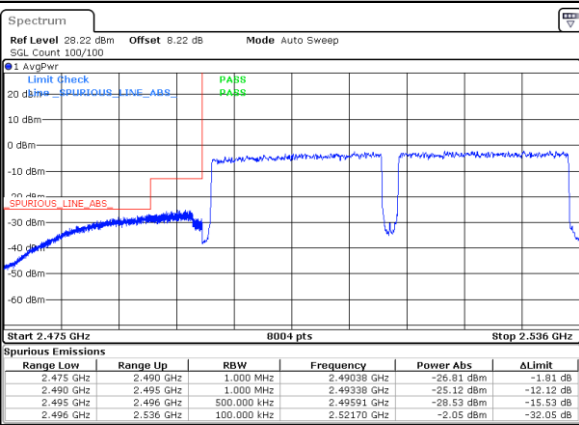
Date: 11.FEB.2023 19:04:35

Highest Band Edge / 1RB99 and 1RB0



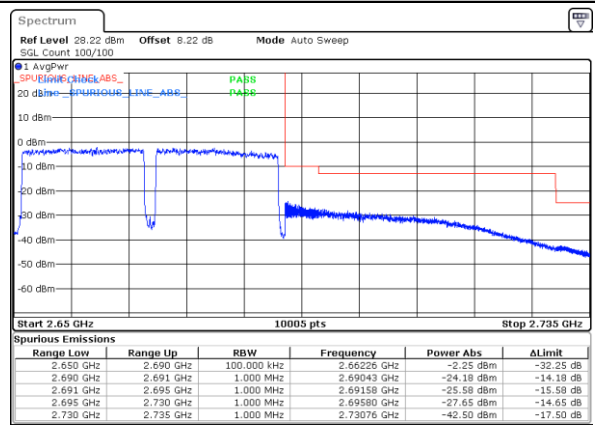
Date: 11.FEB.2023 19:14:51

Lowest Band Edge / Full RB



Date: 11.FEB.2023 18:59:07

Highest Band Edge / Full RB



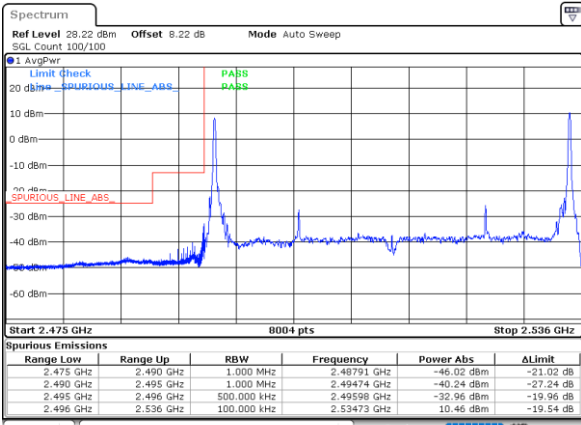
Date: 11.FEB.2023 19:10:04



LTE Band 41C / 20MHz+20MHz

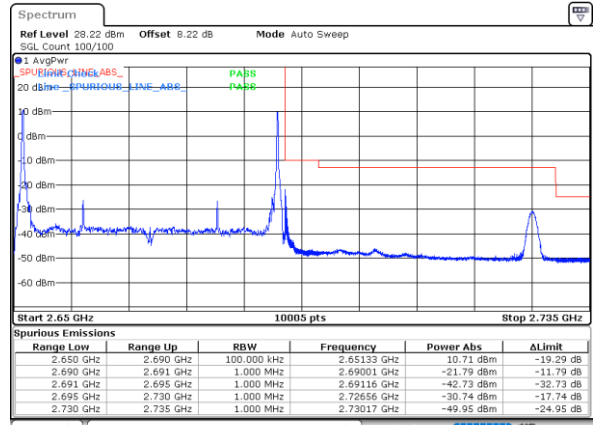
64QAM

Lowest Band Edge / 1RB0 and 1RB9



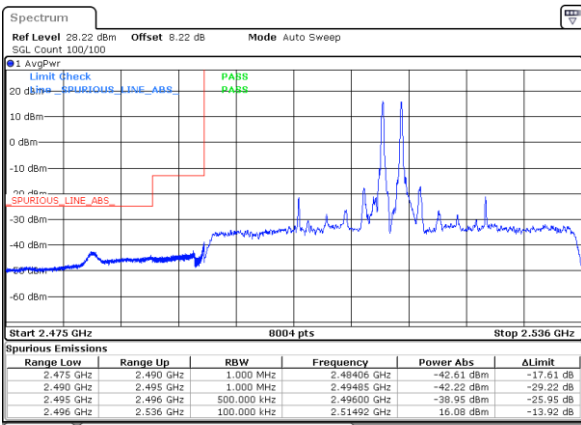
Date: 11.FEB.2023 19:03:00

Highest Band Edge / 1RB0 and 1RB9



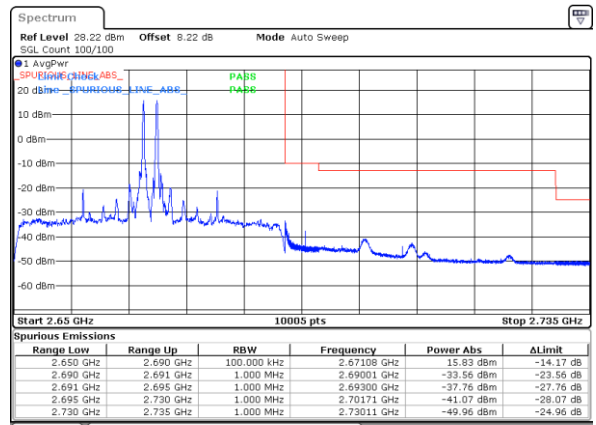
Date: 11.FEB.2023 19:13:15

Lowest Band Edge / 1RB99 and 1RB0



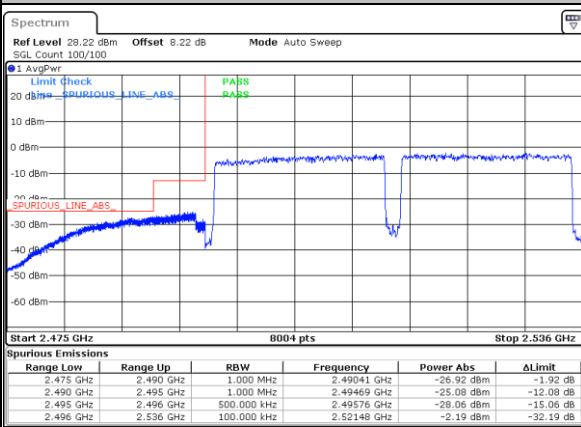
Date: 11.FEB.2023 19:05:23

Highest Band Edge / 1RB99 and 1RB0



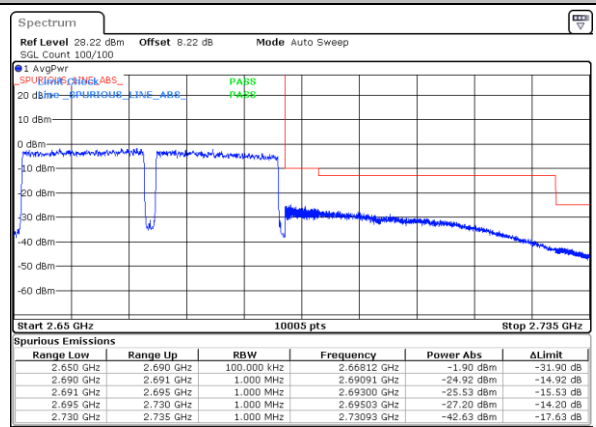
Date: 11.FEB.2023 19:15:38

Lowest Band Edge / Full RB



Date: 11.FEB.2023 19:00:37

Highest Band Edge / Full RB



Date: 11.FEB.2023 19:10:52

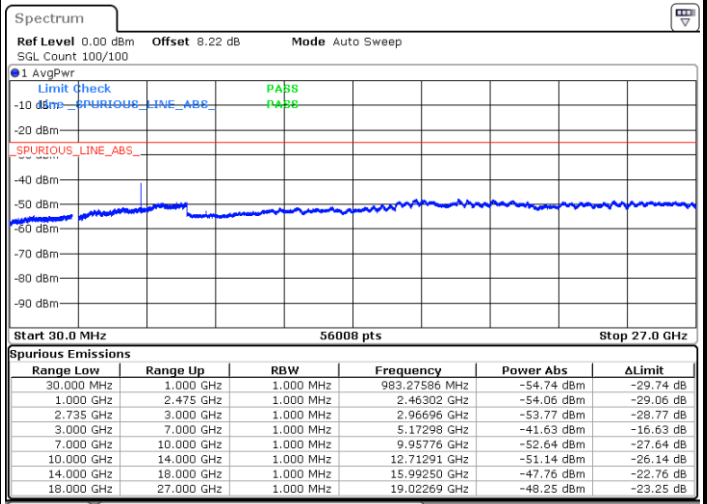
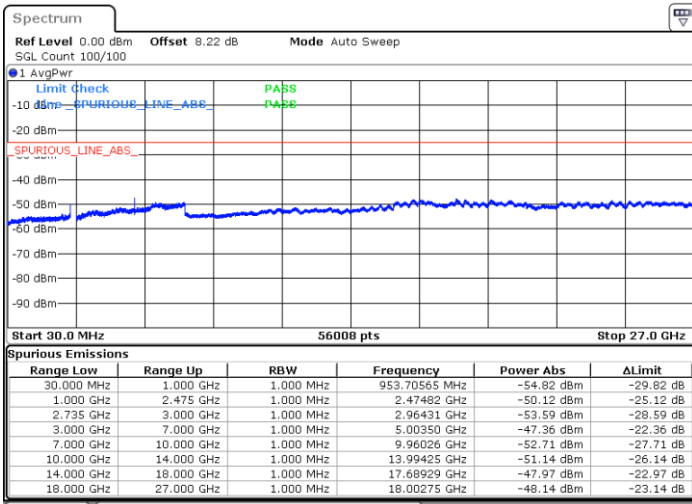


Conducted Spurious Emission

LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK

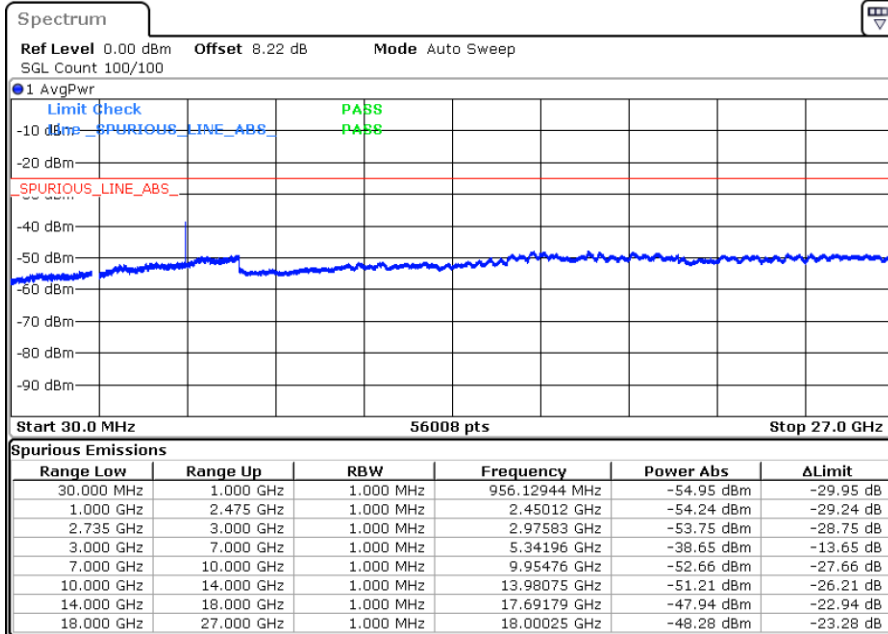
Middle Channel / QPSK



Date: 11.FEB.2023 15:58:13

Date: 11.FEB.2023 15:59:46

Highest Channel / QPSK



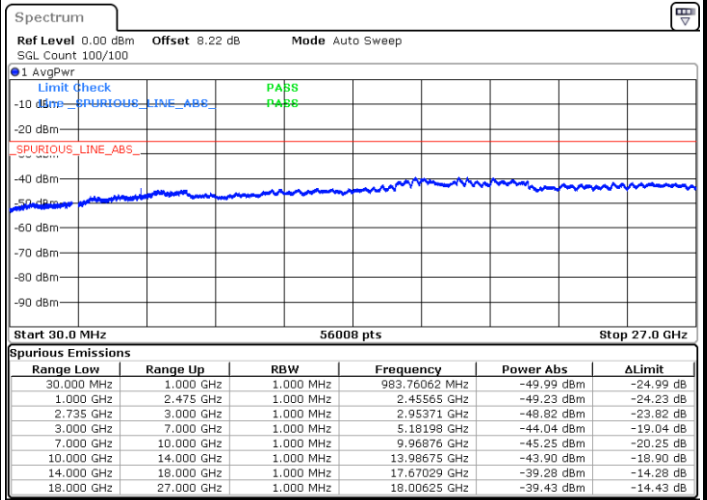
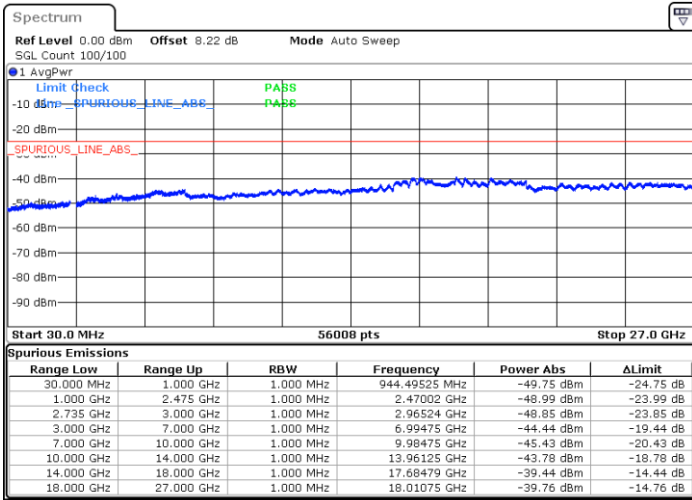
Date: 11.FEB.2023 16:08:27



LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

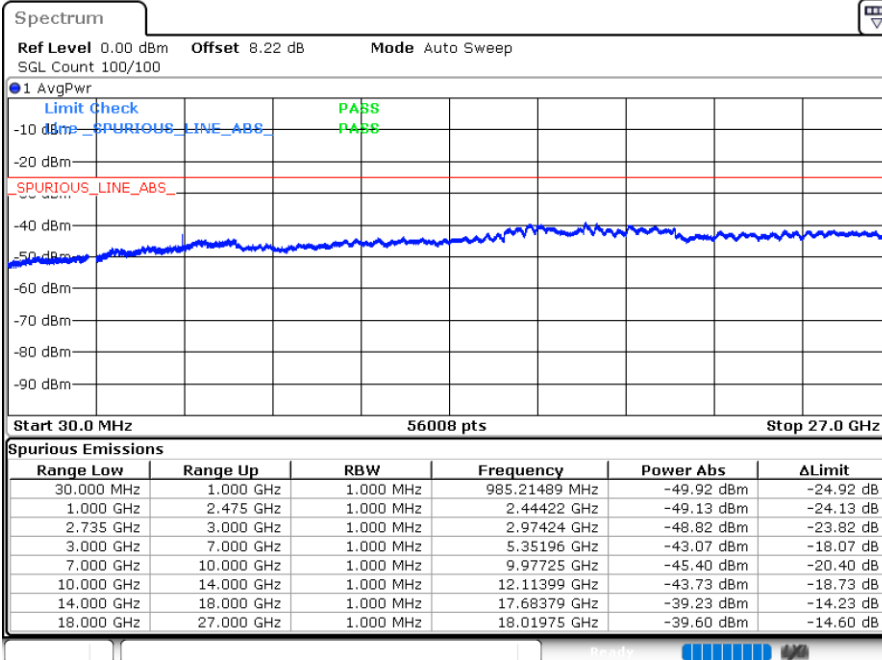
Middle Channel / QPSK



Date: 11.FEB.2023 16:39:34

Date: 11.FEB.2023 16:41:07

Highest Channel / QPSK



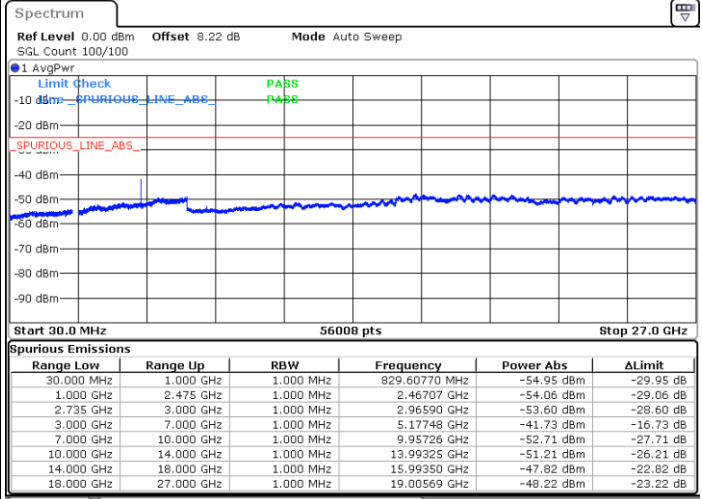
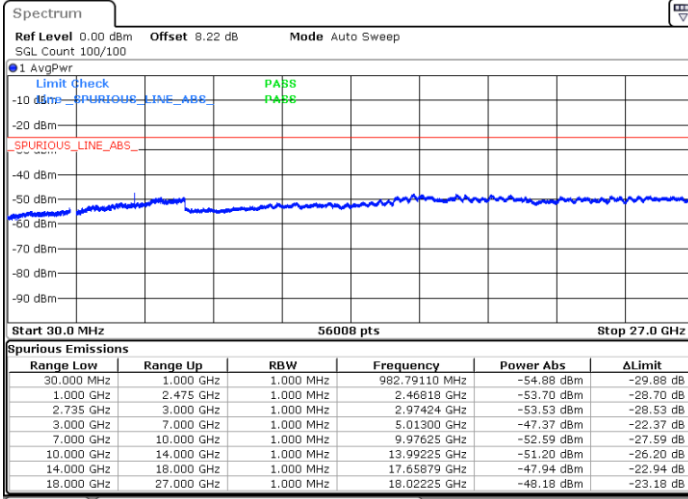
Date: 11.FEB.2023 16:49:49



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

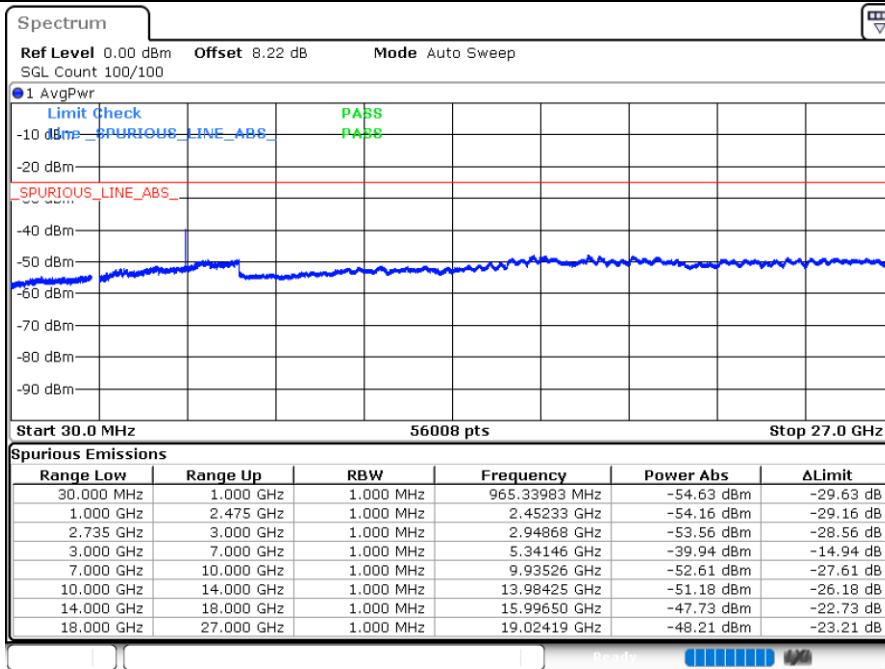
Middle Channel / QPSK



Date: 11.FEB.2023 17:19:25

Date: 11.FEB.2023 17:20:57

Highest Channel / QPSK



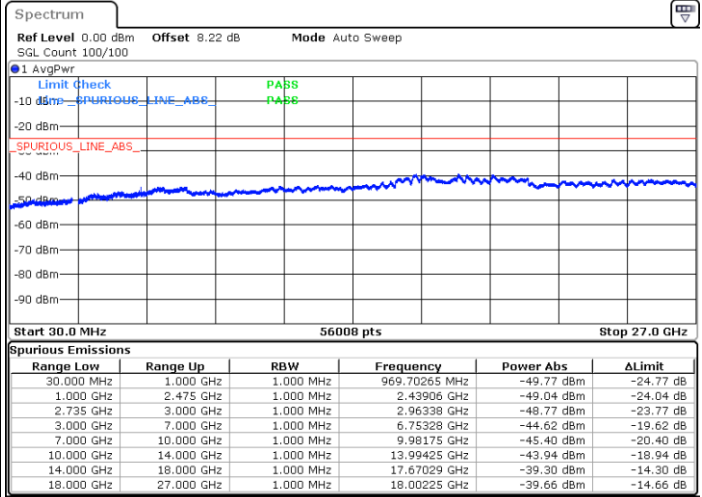
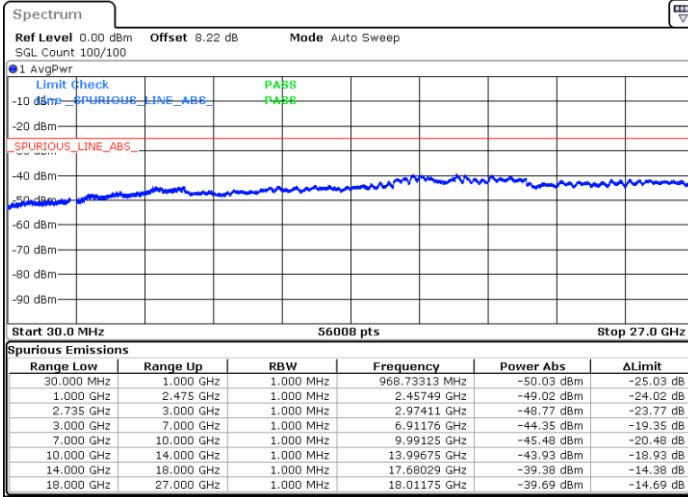
Date: 11.FEB.2023 17:29:40



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

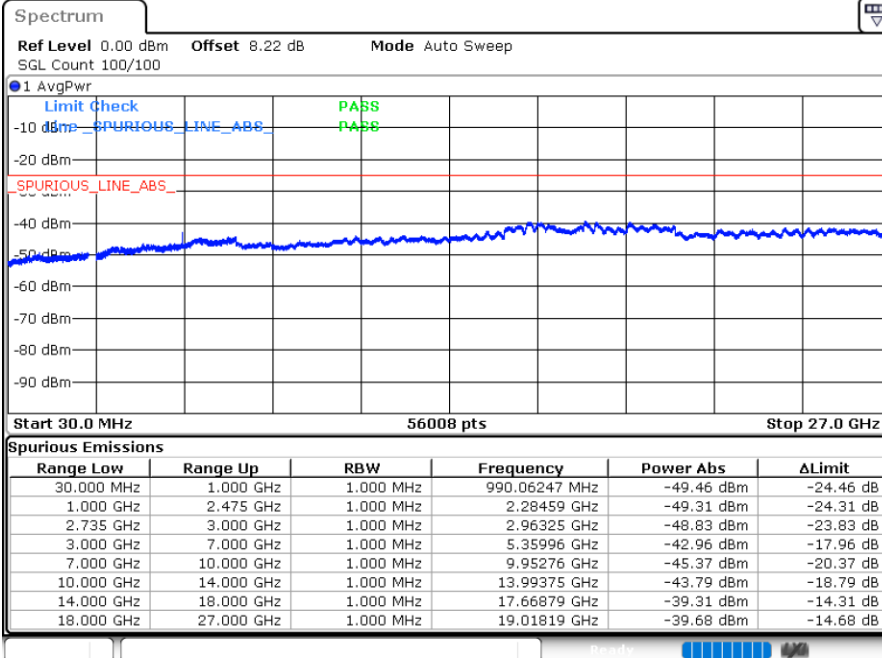
Middle Channel / QPSK



Date: 11.FEB.2023 16:58:26

Date: 11.FEB.2023 16:59:58

Highest Channel / QPSK



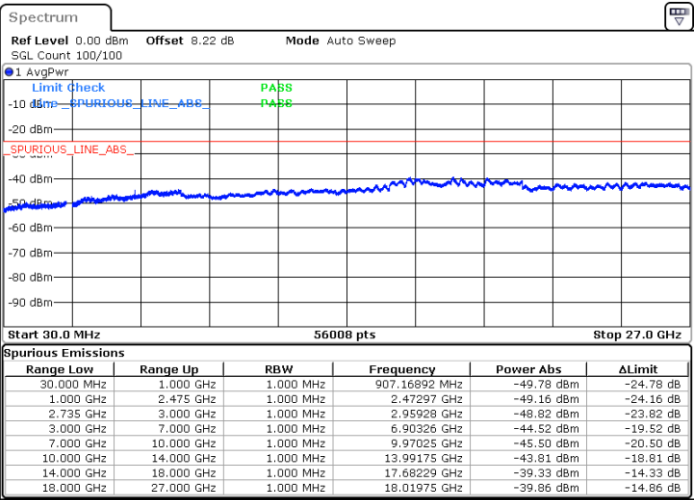
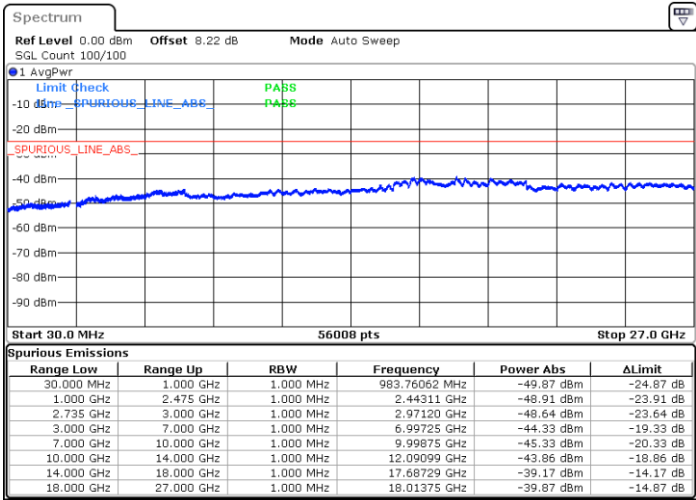
Date: 11.FEB.2023 17:08:39



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

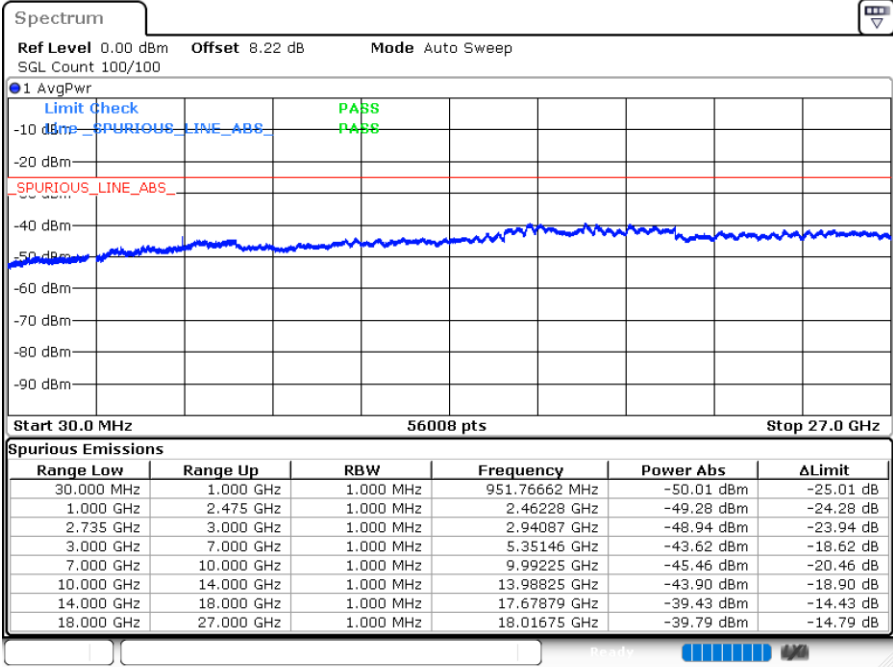
Middle Channel / QPSK



Date: 11.FEB.2023 18:03:07

Date: 11.FEB.2023 18:04:39

Highest Channel / QPSK



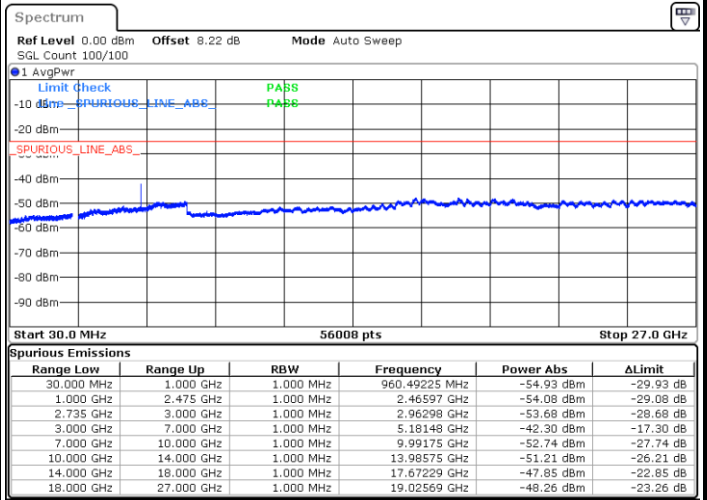
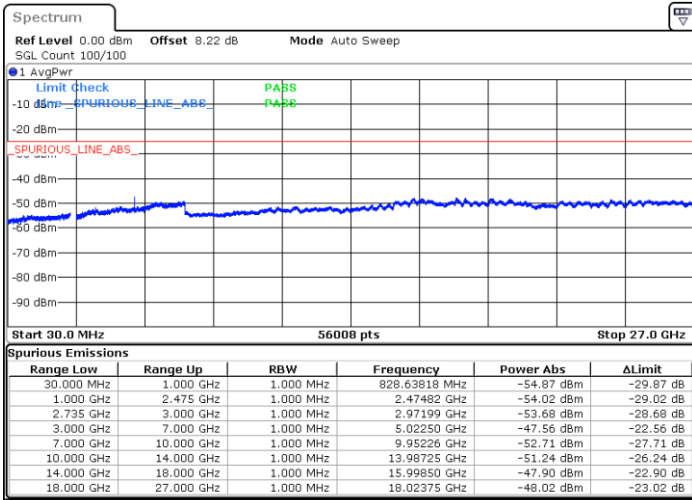
Date: 11.FEB.2023 18:13:22



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

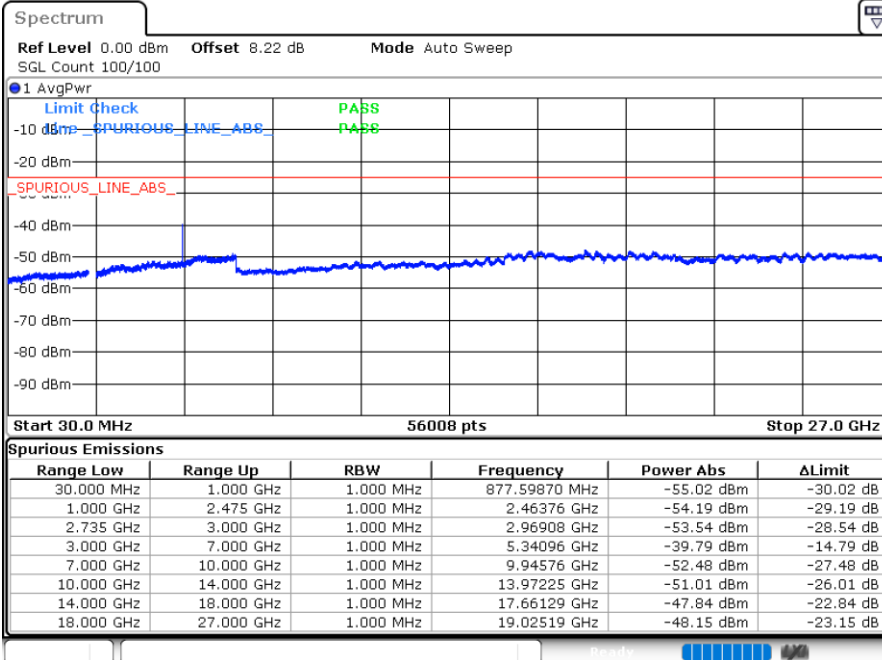
Middle Channel / QPSK



Date: 11.FEB.2023 18:23:44

Date: 11.FEB.2023 18:25:17

Highest Channel / QPSK



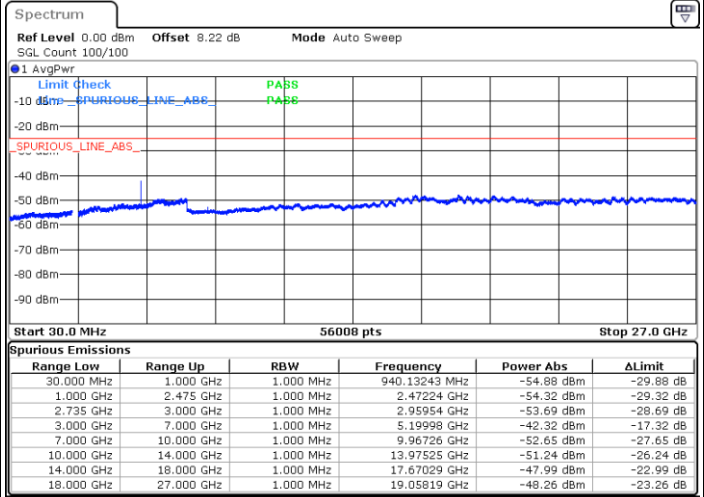
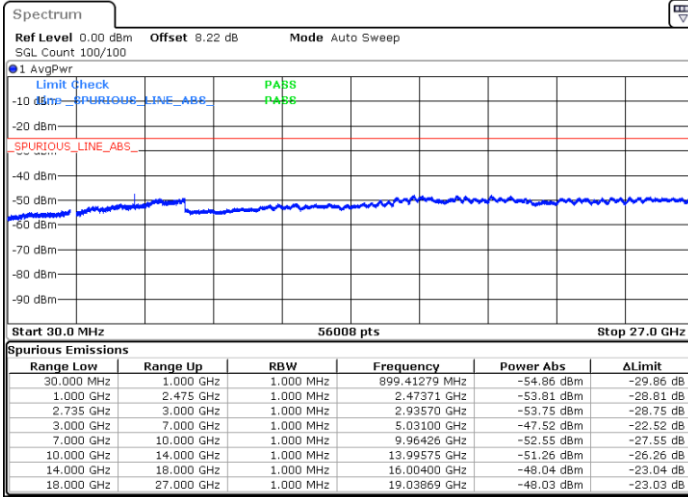
Date: 11.FEB.2023 18:37:33



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

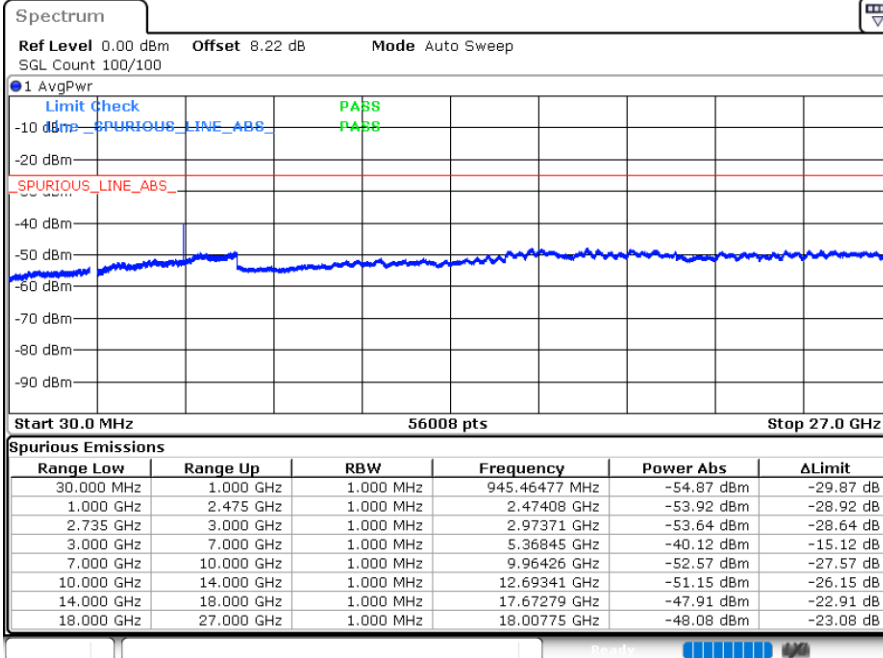
Middle Channel / QPSK



Date: 11.FEB.2023 16:17:04

Date: 11.FEB.2023 16:18:37

Highest Channel / QPSK



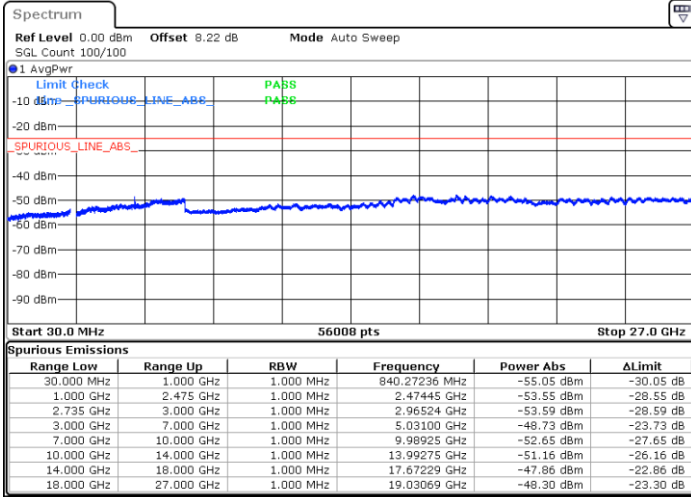
Date: 11.FEB.2023 16:30:49



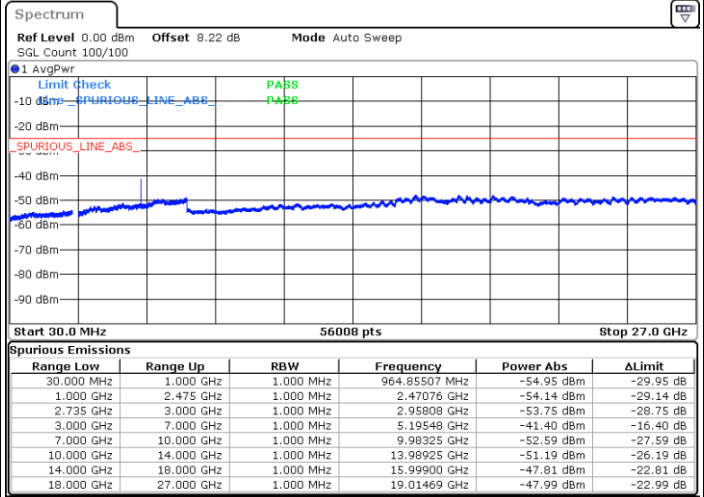
LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

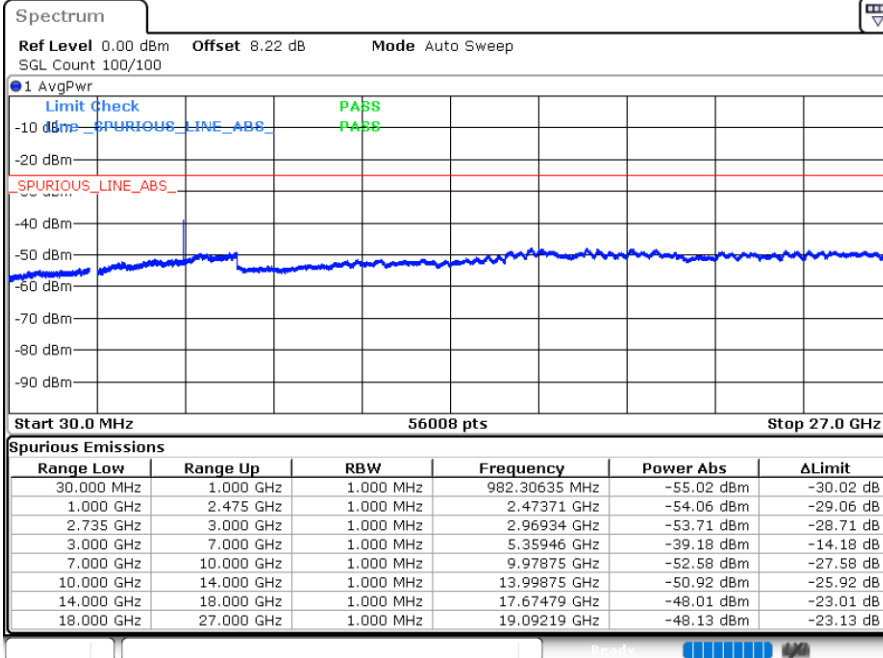


Date: 11.FEB.2023 17:38:24



Date: 11.FEB.2023 17:39:57

Highest Channel / QPSK



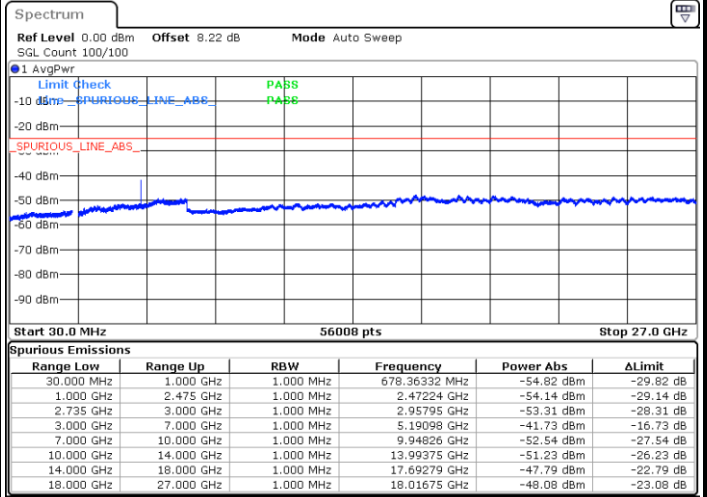
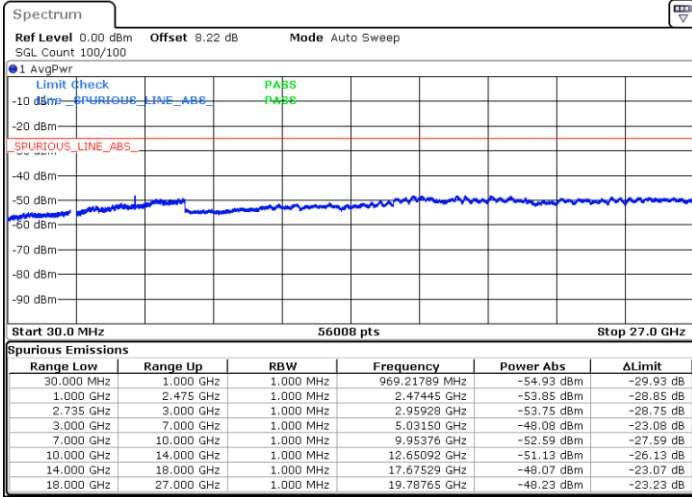
Date: 11.FEB.2023 17:49:21



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

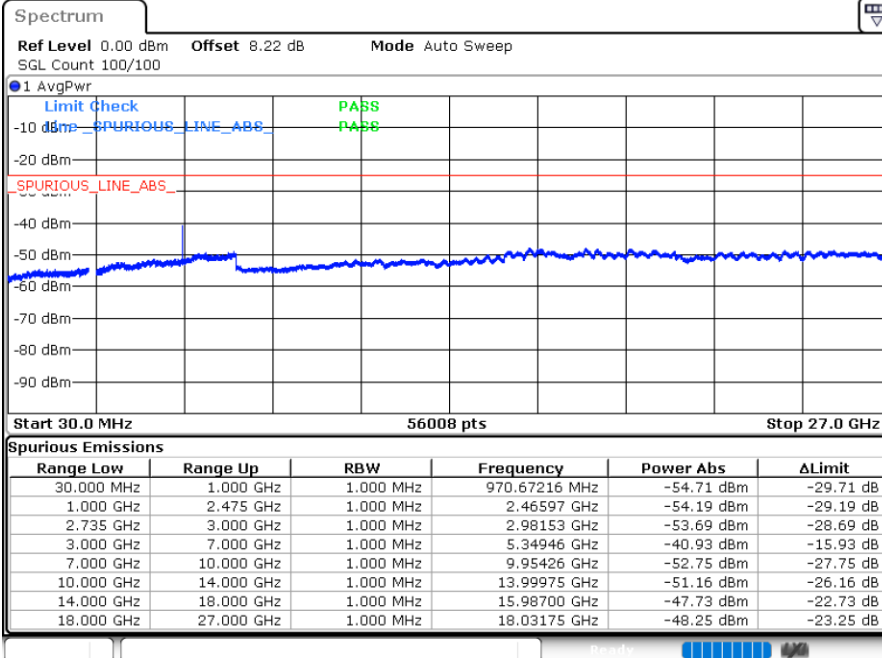
Middle Channel / QPSK



Date: 11.FEB.2023 18:47:09

Date: 11.FEB.2023 18:48:42

Highest Channel / QPSK



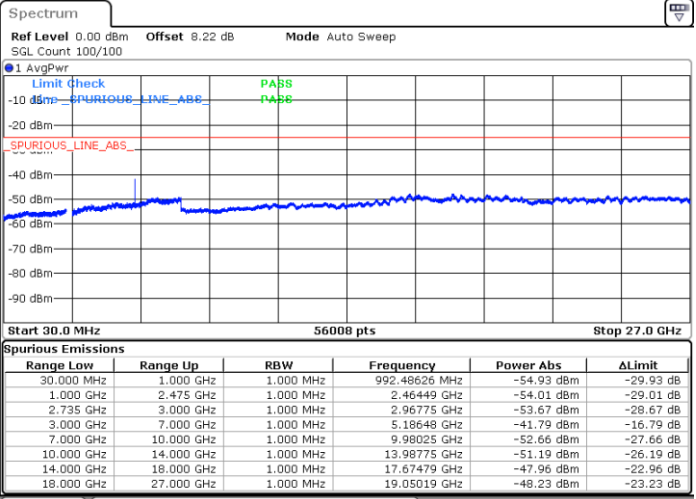
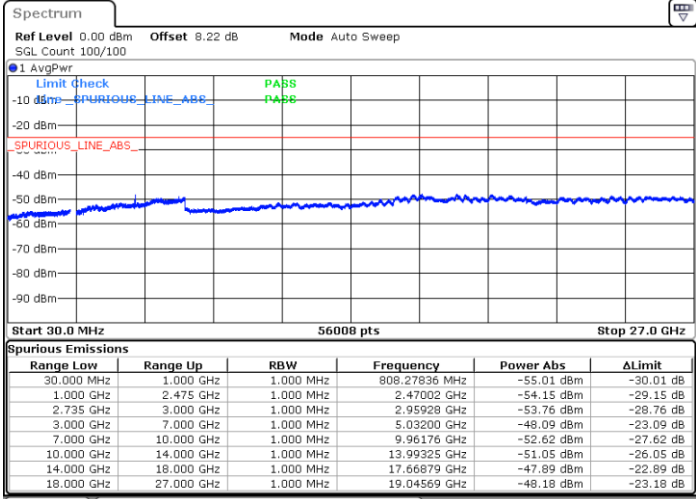
Date: 11.FEB.2023 18:57:24



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

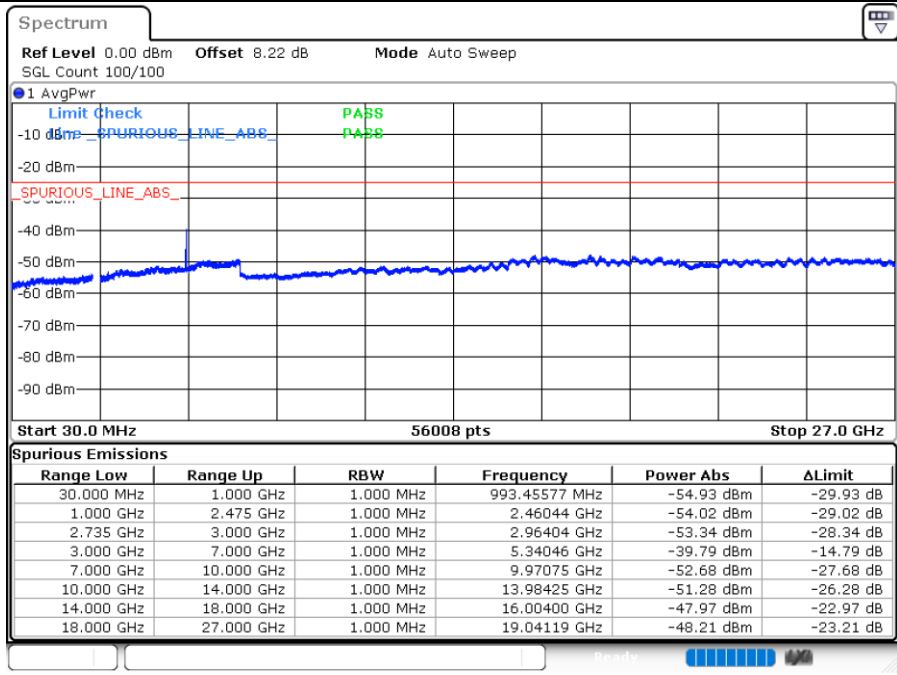
Middle Channel / QPSK



Date: 11.FEB.2023 19:06:50

Date: 11.FEB.2023 19:08:22

Highest Channel / QPSK



Date: 11.FEB.2023 19:17:04



Frequency Stability

Test Conditions		LTE Band 41C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 41 / 20MHz / QPSK / ANT 1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5162	-61.93	-25	-36.93	-72.14	3.03	13.24	H
	7752	-58.04	-25	-33.04	-67.49	3.56	13.01	H
	10342	-58.33	-25	-33.33	-67.85	3.92	13.44	H
	5162	-59.94	-25	-34.94	-70.15	3.03	13.24	V
	7752	-60.34	-25	-35.34	-69.79	3.56	13.01	V
	10342	-58.38	-25	-33.38	-67.90	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41C_CA / 20MHz+20MHz / QPSK / ANT 2								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle (1RB0)	5148	-62.60	-25	-37.60	-72.81	3.03	13.24	H
	7724	-58.52	-25	-33.52	-67.97	3.56	13.01	H
	10300	-60.10	-25	-35.10	-69.62	3.92	13.44	H
	5148	-60.43	-25	-35.43	-70.64	3.03	13.24	V
	7724	-60.23	-25	-35.23	-69.68	3.56	13.01	V
	10300	-59.00	-25	-34.00	-68.52	3.92	13.44	V
Middle (1RBMax)	5190	-62.23	-25	-37.23	-72.44	3.03	13.24	H
	7780	-61.49	-25	-36.49	-70.94	3.56	13.01	H
	10370	-60.68	-25	-35.68	-70.20	3.92	13.44	H
	5190	-62.40	-25	-37.40	-72.61	3.03	13.24	V
	7780	-61.10	-25	-36.10	-70.55	3.56	13.01	V
	10370	-61.03	-25	-36.03	-70.55	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.