

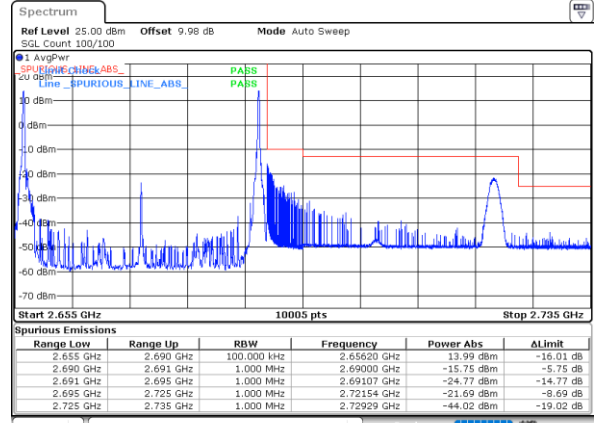
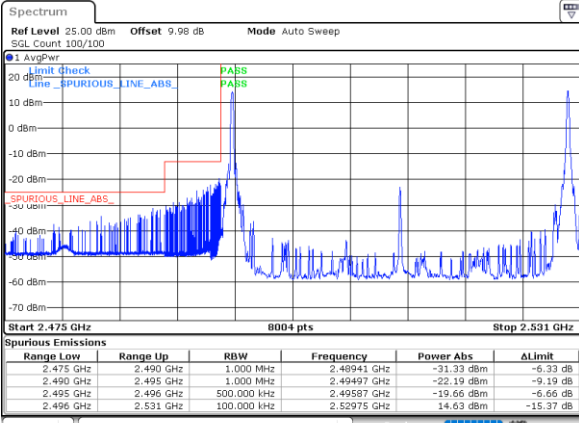


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

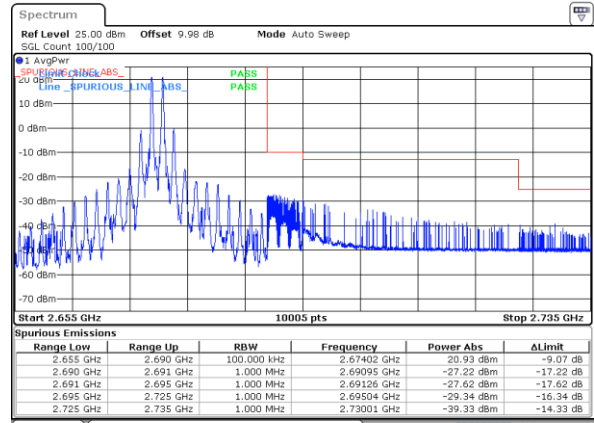
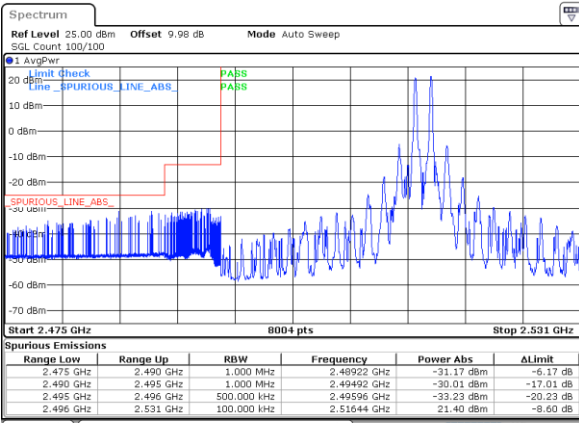


Date: 13.NOV.2022 16:18:36

Date: 13.NOV.2022 16:18:48

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

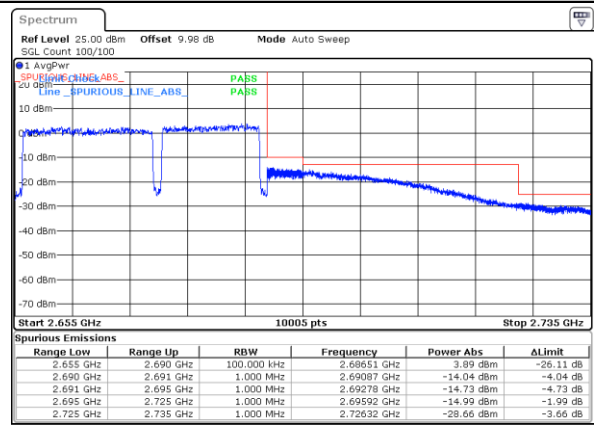
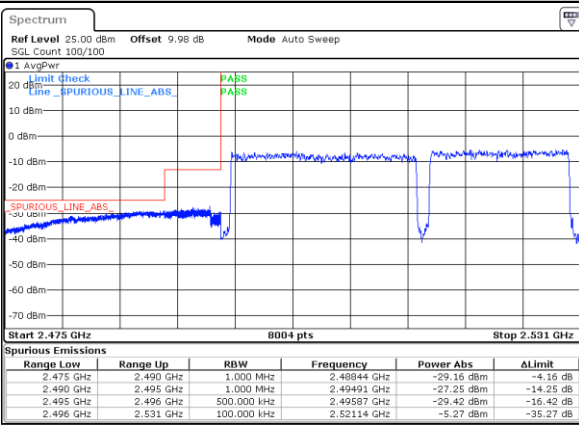


Date: 13.NOV.2022 16:05:00

Date: 13.NOV.2022 16:15:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.NOV.2022 16:44:43

Date: 13.NOV.2022 16:22:24

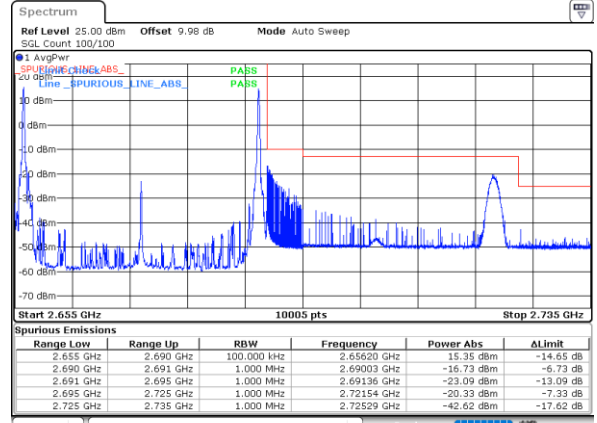
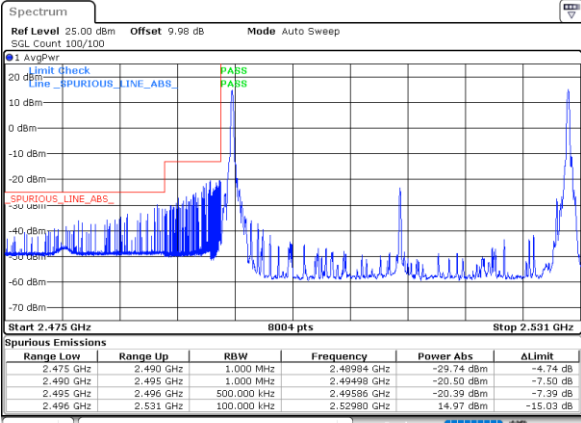


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

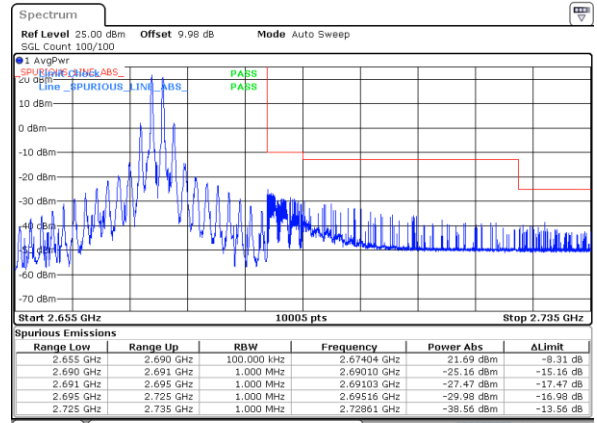
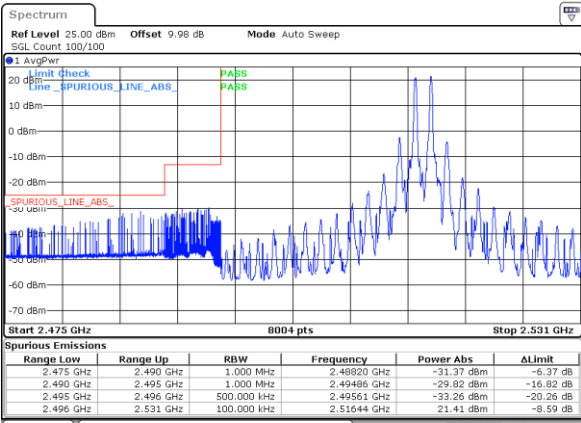


Date: 13.NOV.2022 16:09:30

Date: 13.NOV.2022 16:19:42

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

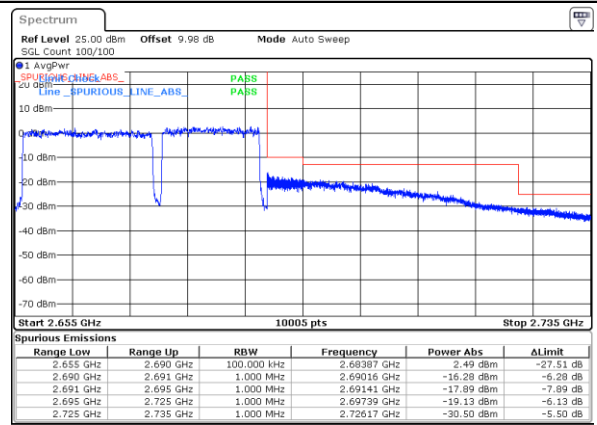
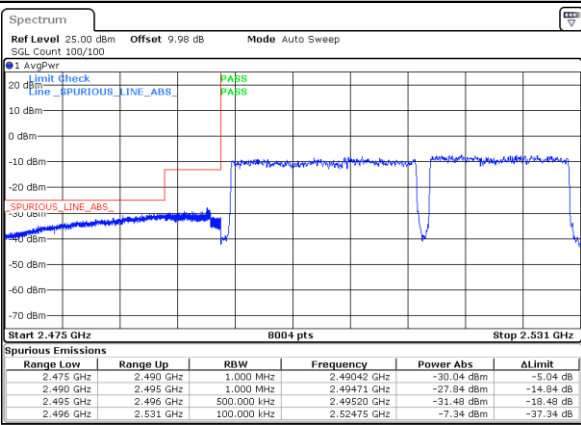


Date: 13.NOV.2022 16:05:53

Date: 13.NOV.2022 16:16:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.NOV.2022 16:38:24

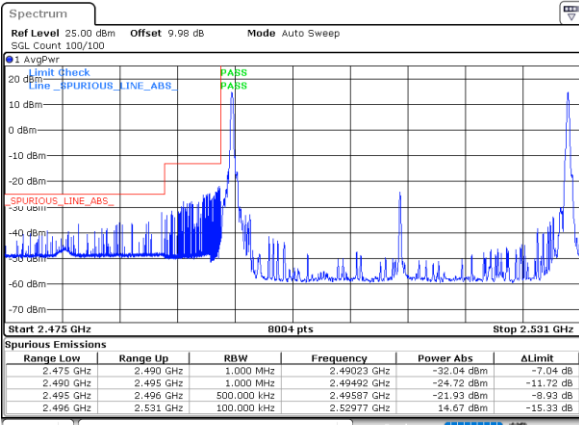
Date: 13.NOV.2022 16:23:18



LTE Band 41C / 20MHz+15MHz

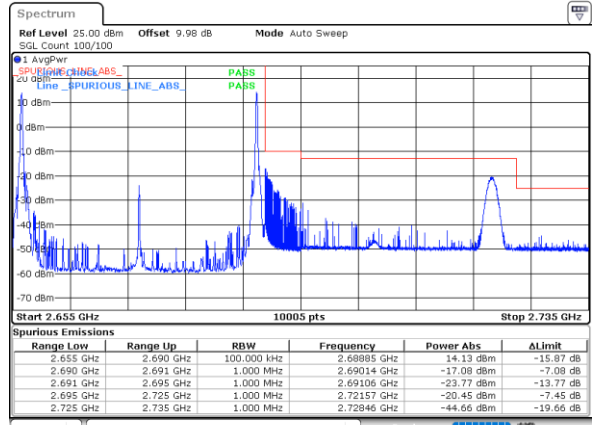
64QAM

Lowest Band Edge / 1RB0 and 1RB74



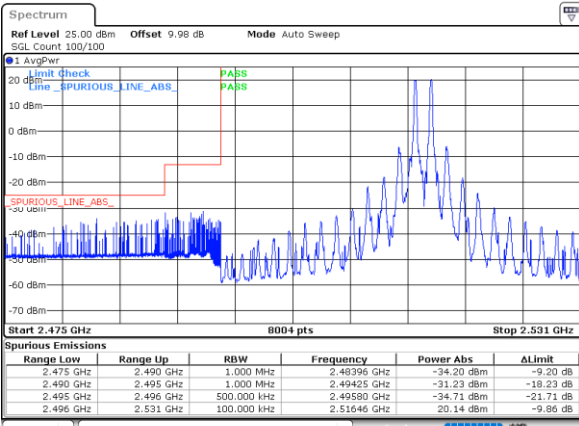
Date: 13.NOV.2022 16:10:23

Highest Band Edge / 1RB0 and 1RB74



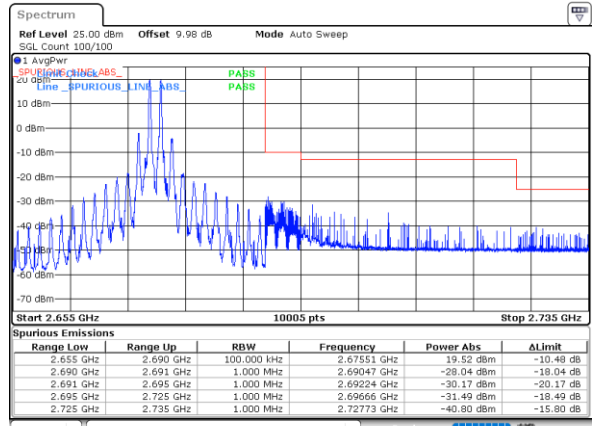
Date: 13.NOV.2022 16:20:37

Lowest Band Edge / 1RB99 and 1RB0



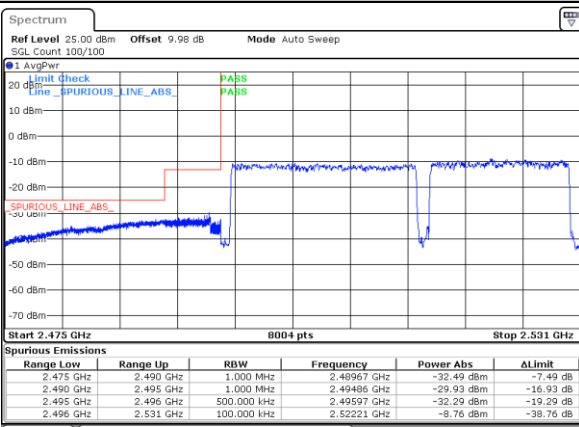
Date: 13.NOV.2022 16:06:48

Highest Band Edge / 1RB99 and 1RB0



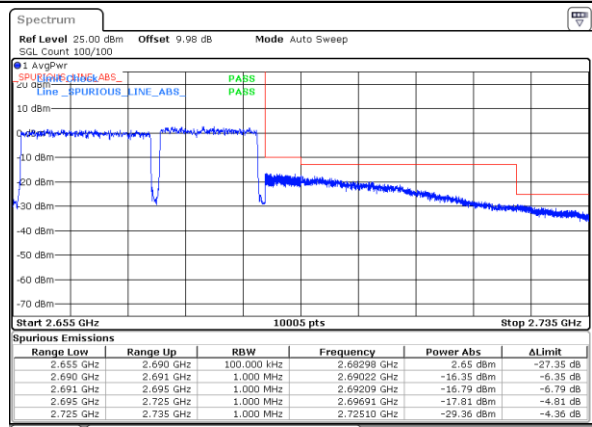
Date: 13.NOV.2022 16:17:02

Lowest Band Edge / Full RB



Date: 12.NOV.2022 16:39:17

Highest Band Edge / Full RB



Date: 13.NOV.2022 16:24:11

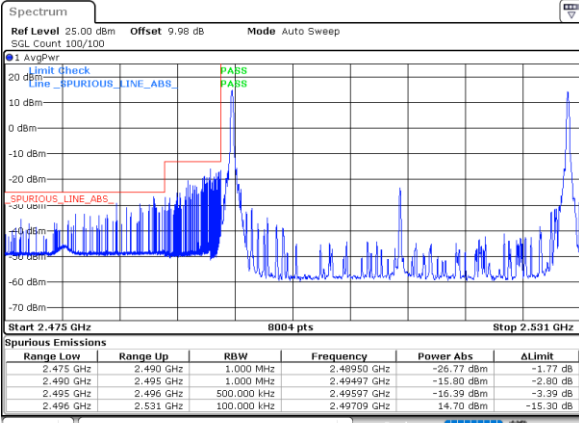


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

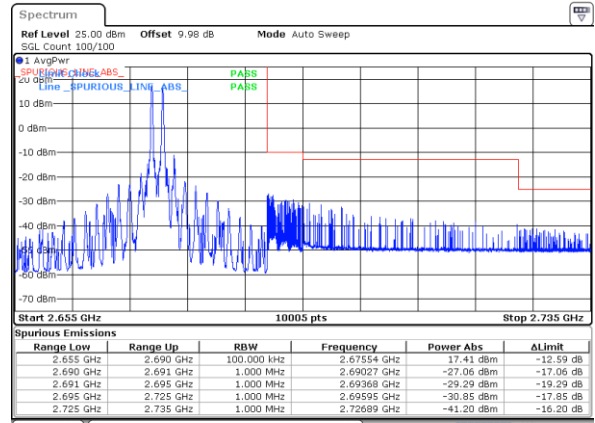
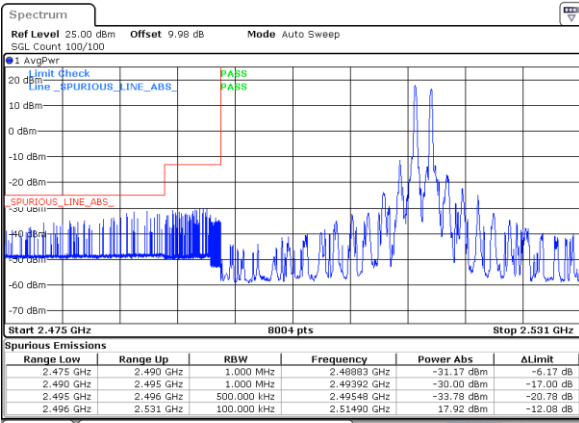


Date: 13.NOV.2022 16:11:17

Date: 13.NOV.2022 16:21:30

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

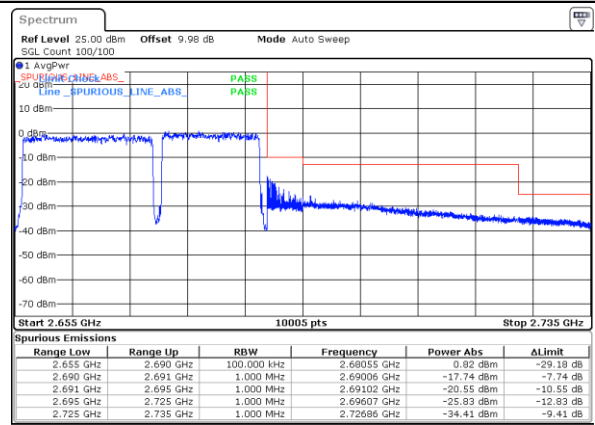
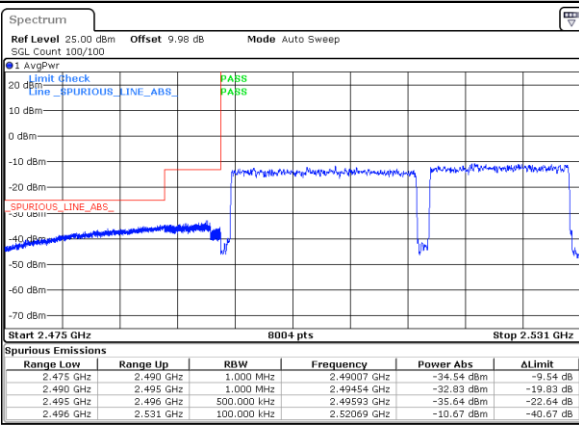


Date: 13.NOV.2022 16:07:42

Date: 13.NOV.2022 16:17:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.NOV.2022 16:40:09

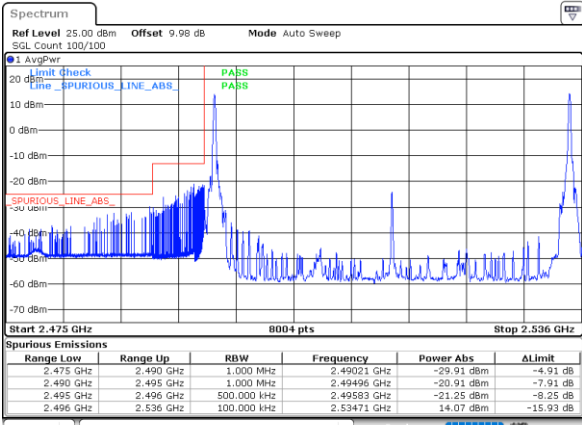
Date: 13.NOV.2022 16:25:05



LTE Band 41C / 20MHz+20MHz

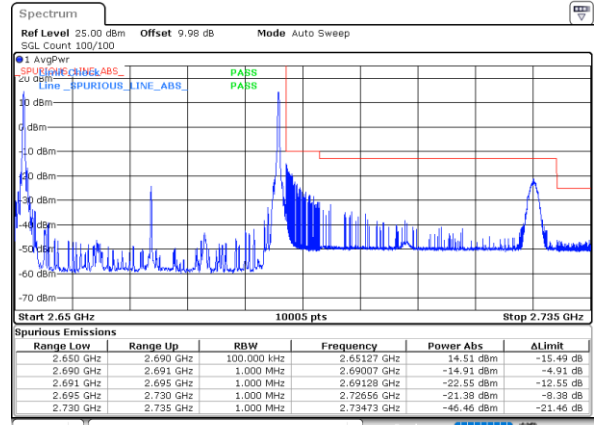
QPSK

Lowest Band Edge / 1RB0 and 1RB9



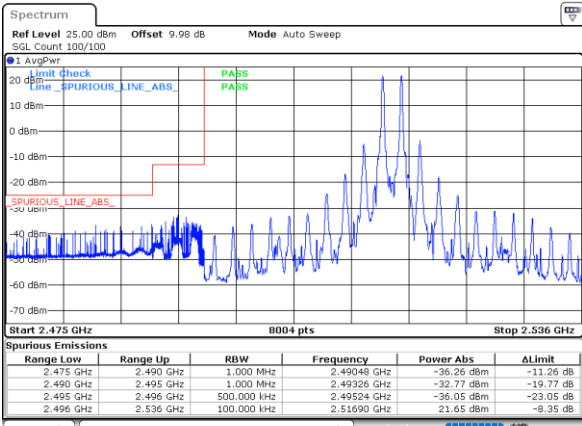
Date: 13.NOV.2022 16:31:08

Highest Band Edge / 1RB0 and 1RB9



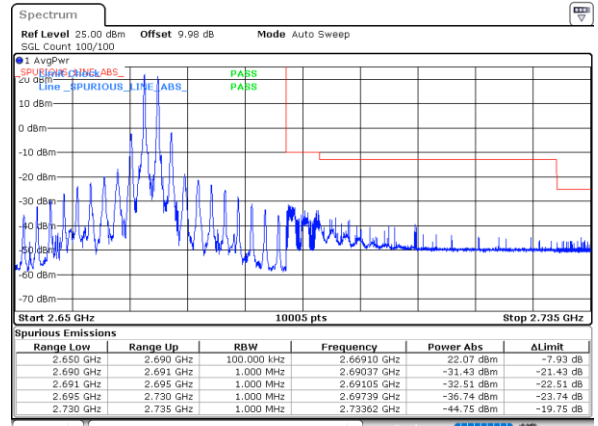
Date: 13.NOV.2022 16:41:24

Lowest Band Edge / 1RB99 and 1RB0



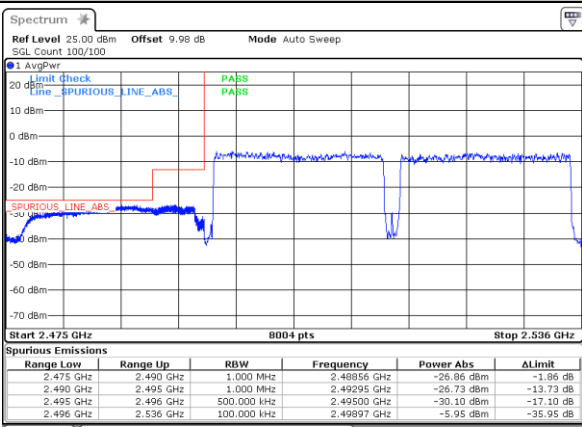
Date: 13.NOV.2022 16:27:52

Highest Band Edge / 1RB99 and 1RB0



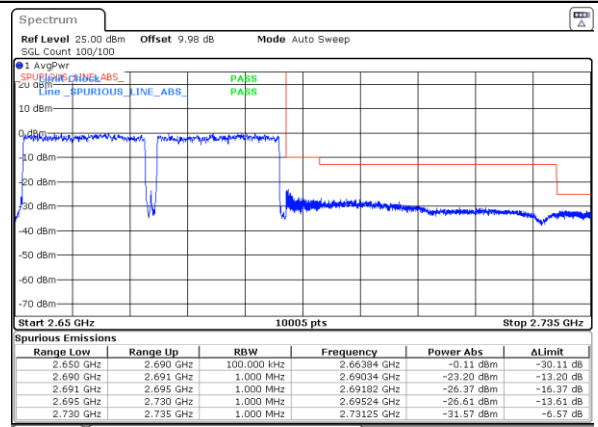
Date: 13.NOV.2022 16:37:47

Lowest Band Edge / Full RB



Date: 12.NOV.2022 16:41:08

Highest Band Edge / Full RB



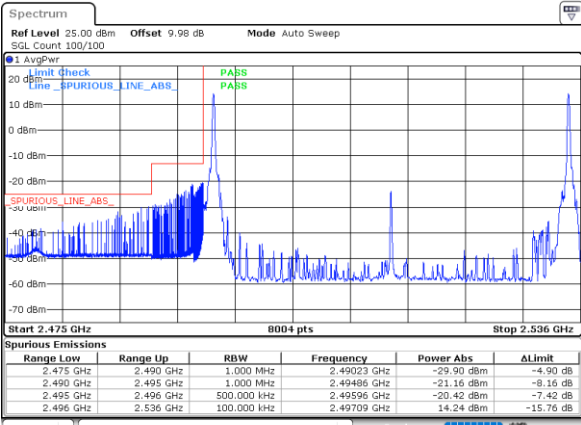
Date: 14.NOV.2022 14:32:51



LTE Band 41C / 20MHz+20MHz

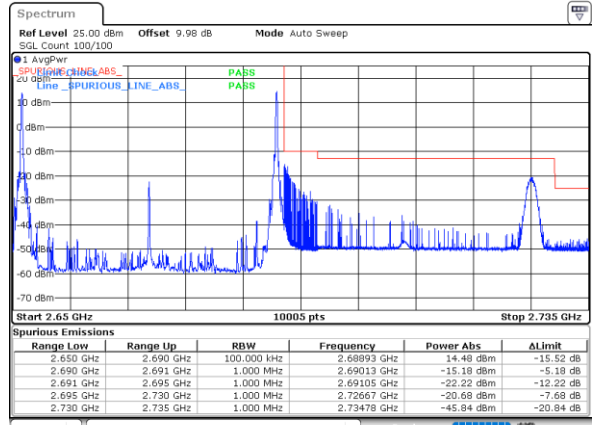
16QAM

Lowest Band Edge / 1RB0 and 1RB9



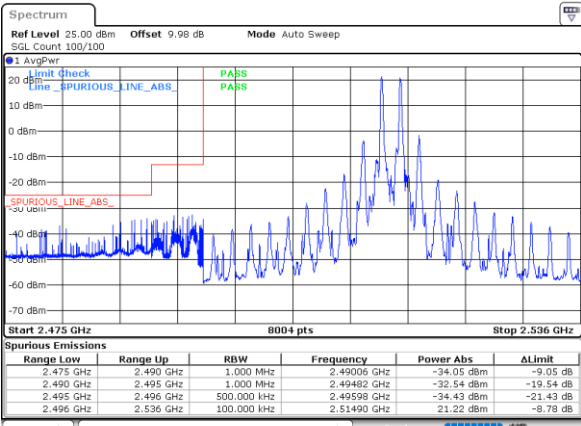
Date: 13.NOV.2022 16:32:01

Highest Band Edge / 1RB0 and 1RB9



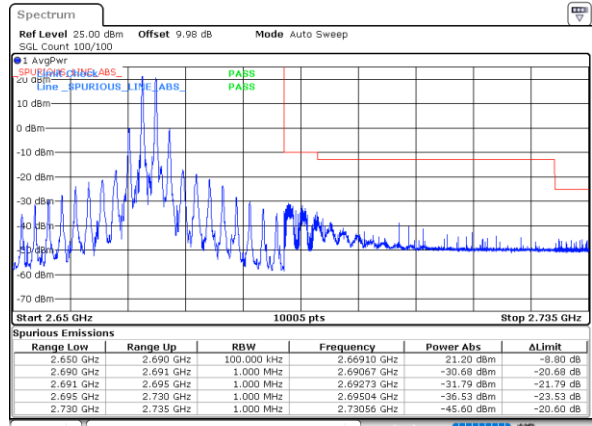
Date: 13.NOV.2022 16:42:17

Lowest Band Edge / 1RB99 and 1RB0



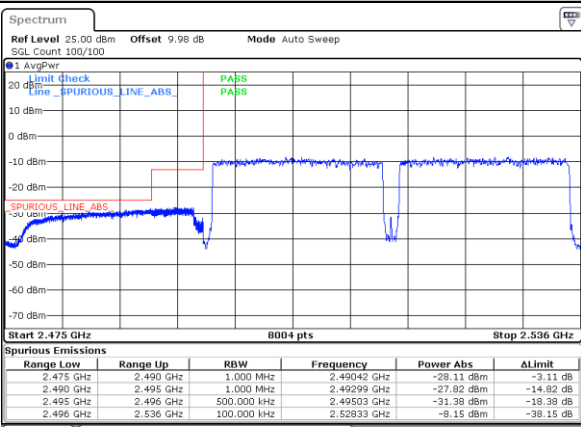
Date: 13.NOV.2022 16:28:26

Highest Band Edge / 1RB99 and 1RB0



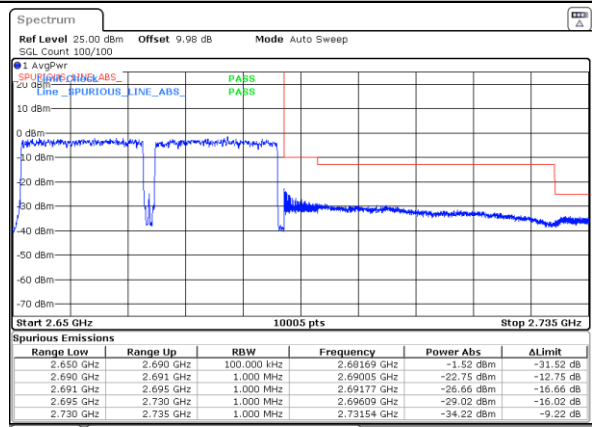
Date: 13.NOV.2022 16:38:41

Lowest Band Edge / Full RB



Date: 12.NOV.2022 16:42:01

Highest Band Edge / Full RB



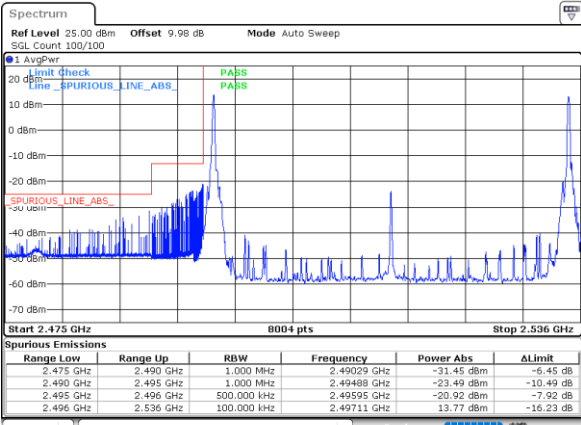
Date: 14.NOV.2022 14:33:32



LTE Band 41C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9



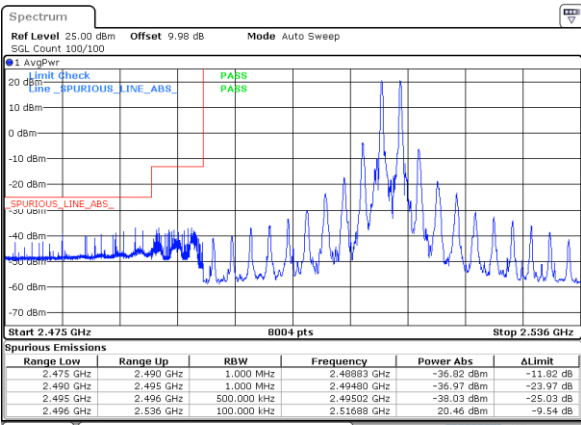
Date: 13.NOV.2022 16:32:54

Highest Band Edge / 1RB0 and 1RB9



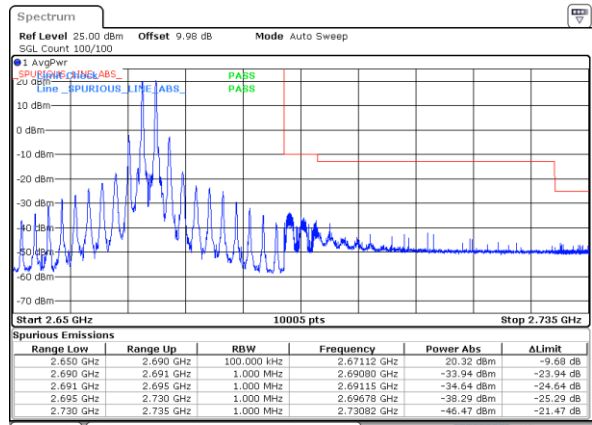
Date: 13.NOV.2022 16:43:11

Lowest Band Edge / 1RB99 and 1RB0



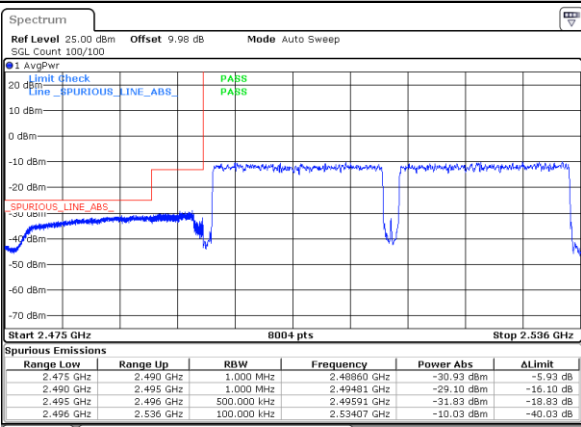
Date: 13.NOV.2022 16:29:20

Highest Band Edge / 1RB99 and 1RB0



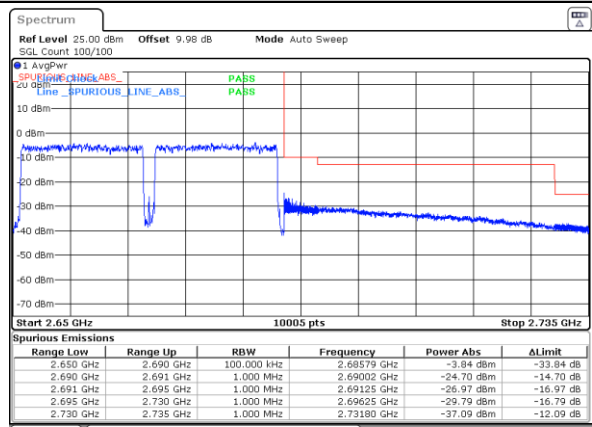
Date: 13.NOV.2022 16:39:36

Lowest Band Edge / Full RB



Date: 12.NOV.2022 16:42:54

Highest Band Edge / Full RB



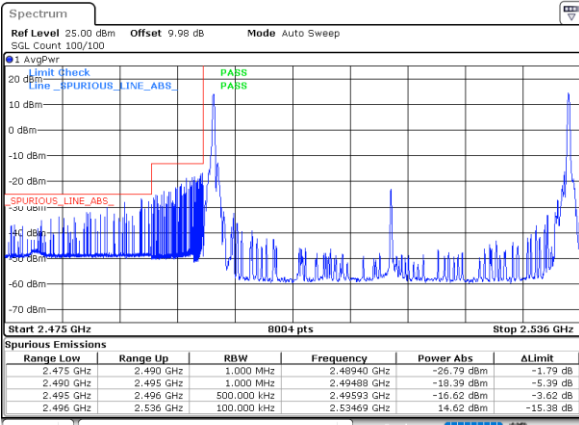
Date: 14.NOV.2022 14:34:19



LTE Band 41C / 20MHz+20MHz

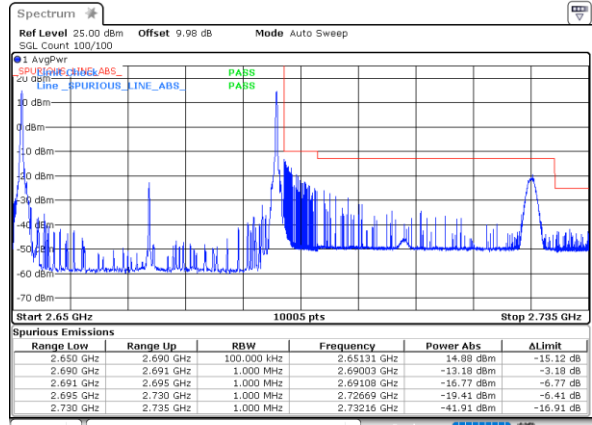
256QAM

Lowest Band Edge / 1RB0 and 1RB9



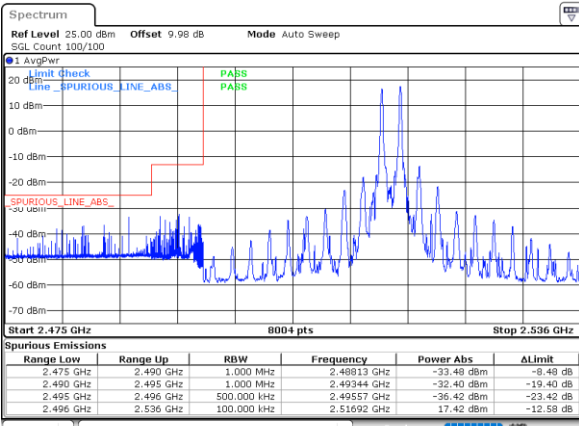
Date: 13.NOV.2022 16:33:49

Highest Band Edge / 1RB0 and 1RB9



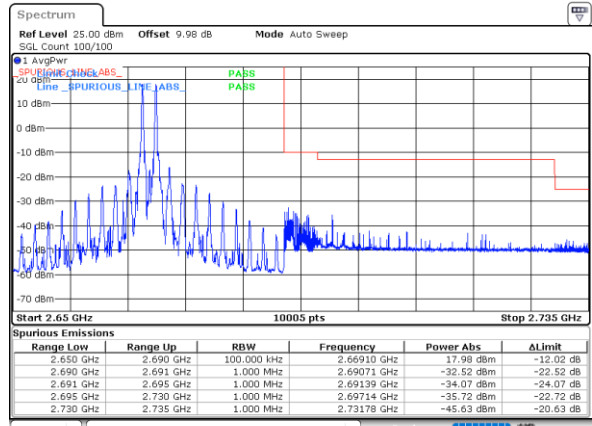
Date: 13.NOV.2022 16:52:19

Lowest Band Edge / 1RB99 and 1RB0



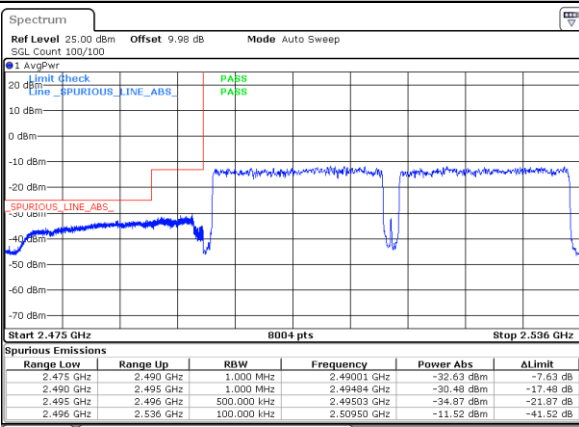
Date: 13.NOV.2022 16:30:14

Highest Band Edge / 1RB99 and 1RB0



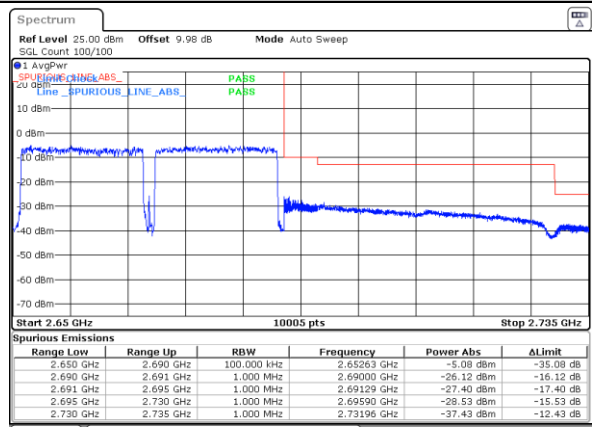
Date: 13.NOV.2022 16:40:30

Lowest Band Edge / Full RB



Date: 12.NOV.2022 16:43:48

Highest Band Edge / Full RB



Date: 14.NOV.2022 14:34:55

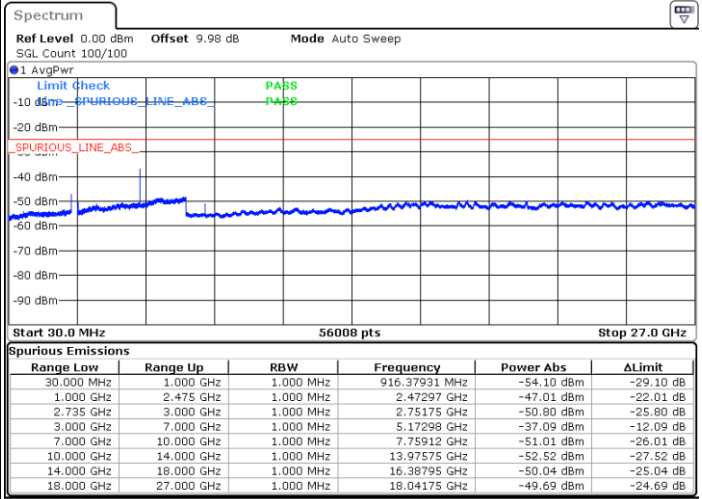
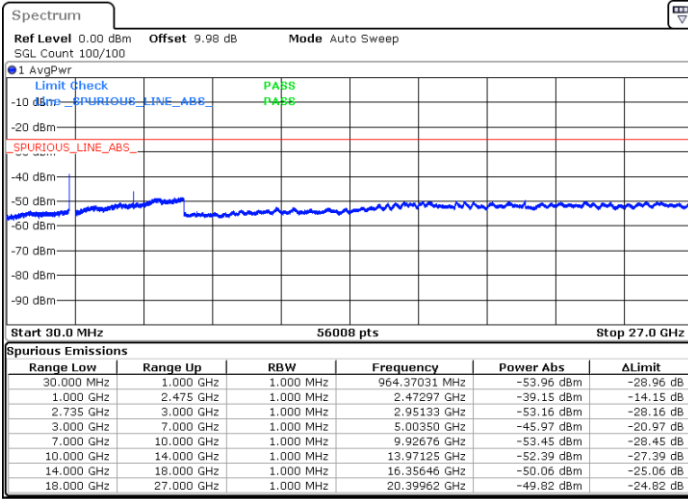


Conducted Spurious Emission

LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK

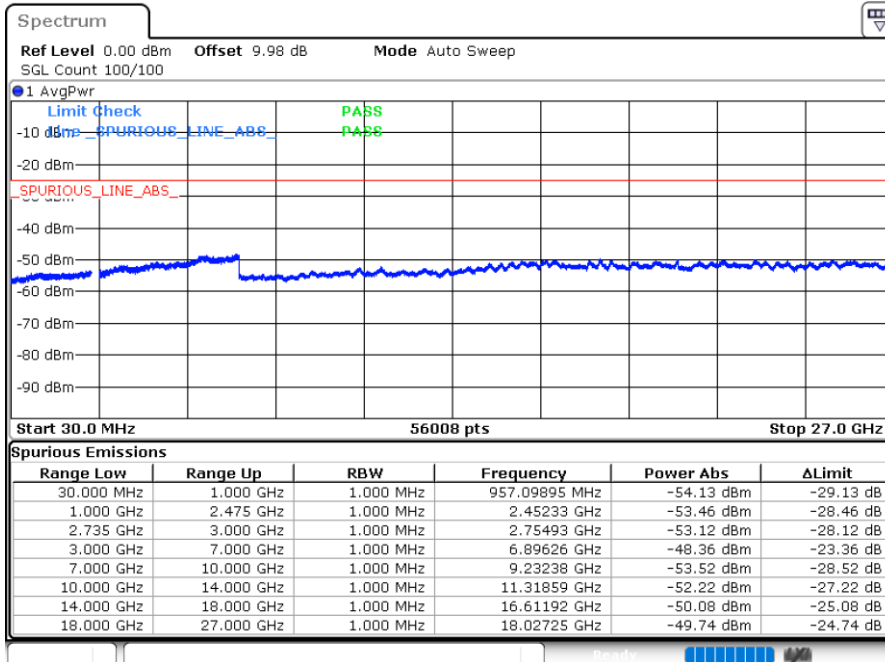
Middle Channel / QPSK



Date: 13.NOV.2022 13:06:20

Date: 13.NOV.2022 13:21:48

Highest Channel / QPSK



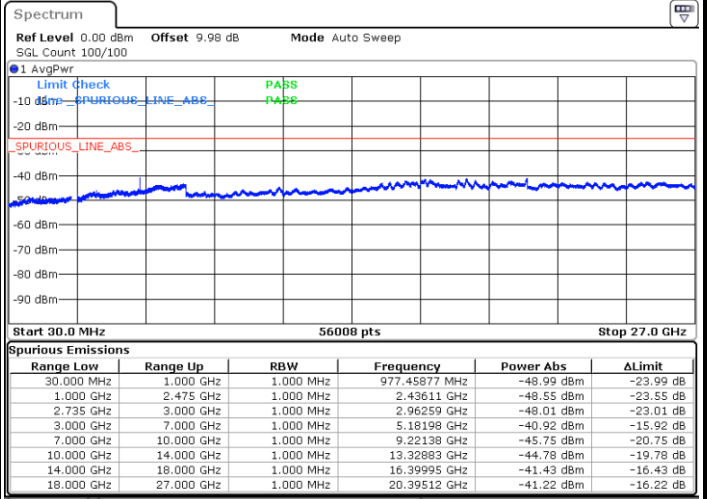
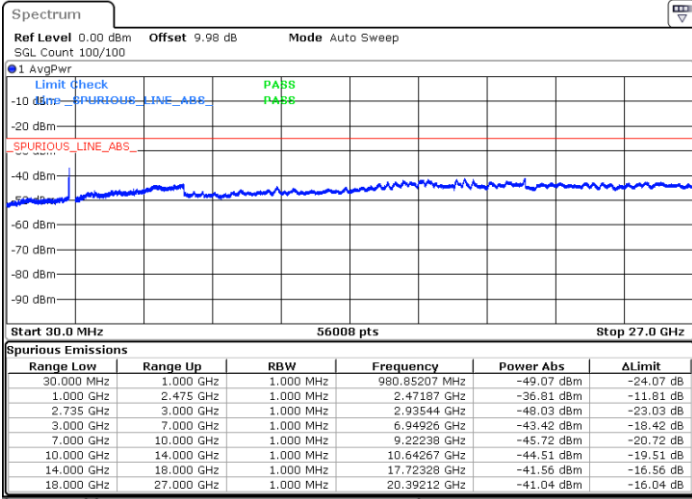
Date: 13.NOV.2022 13:23:21



LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

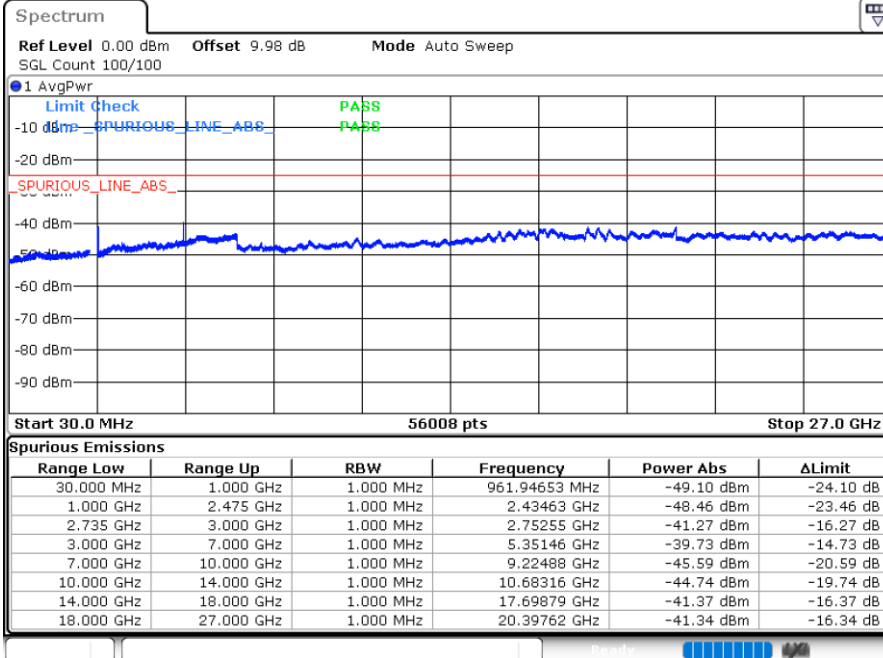
Middle Channel / QPSK



Date: 13.NOV.2022 13:31:59

Date: 13.NOV.2022 13:43:27

Highest Channel / QPSK



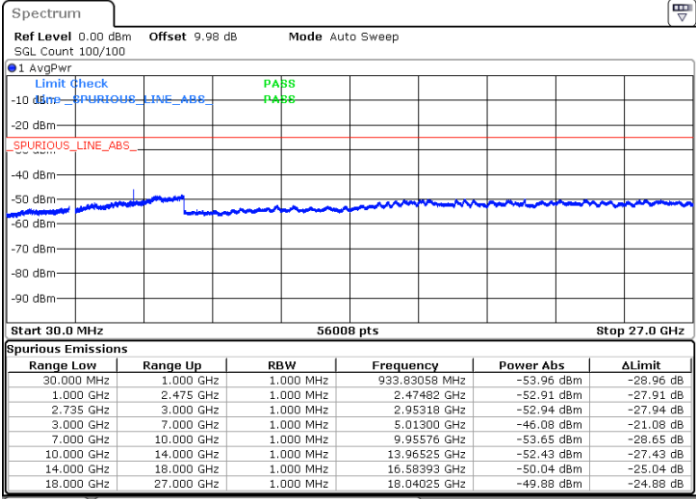
Date: 13.NOV.2022 13:44:59



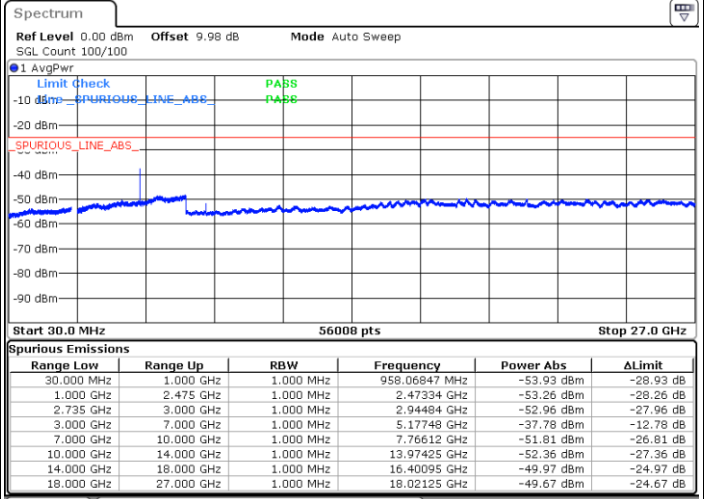
LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

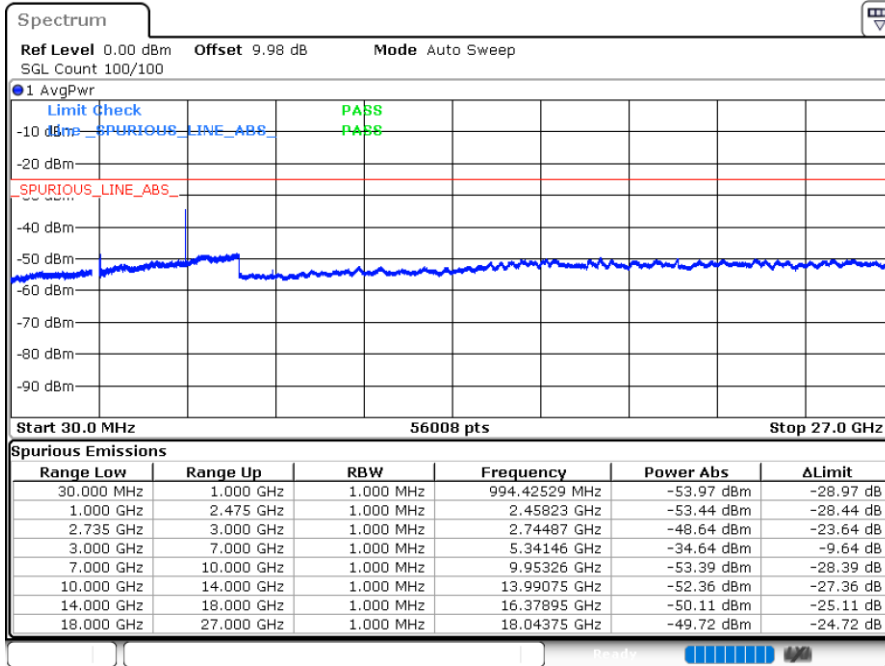


Date: 13.NOV.2022 13:57:08



Date: 13.NOV.2022 14:08:06

Highest Channel / QPSK



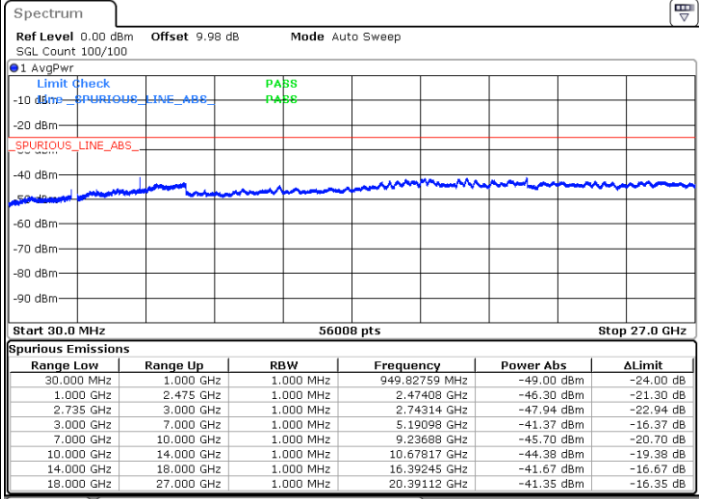
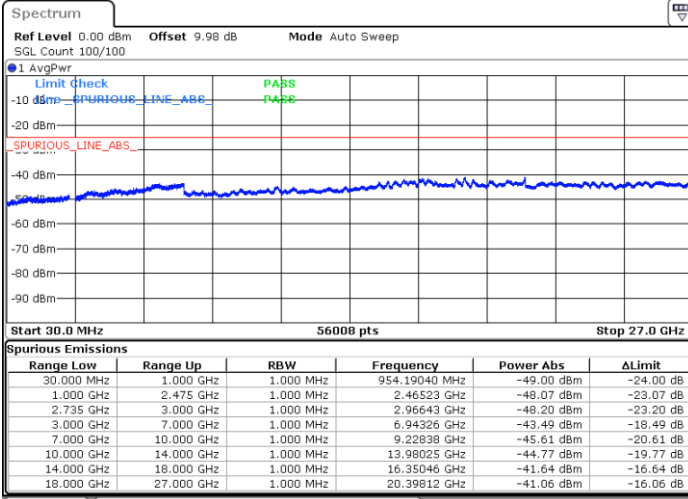
Date: 13.NOV.2022 14:09:38



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

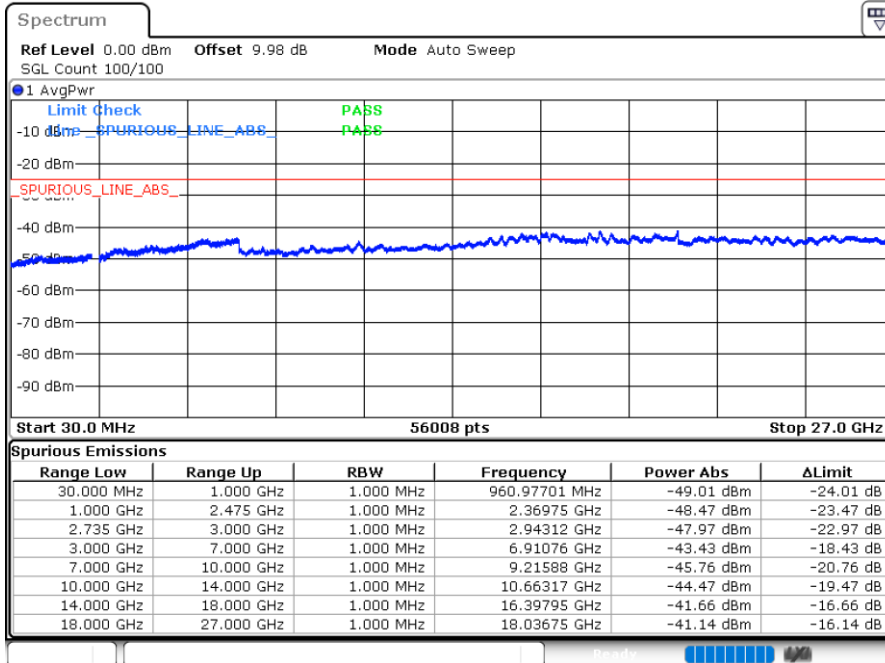
Middle Channel / QPSK



Date: 13.NOV.2022 14:23:40

Date: 13.NOV.2022 14:32:13

Highest Channel / QPSK



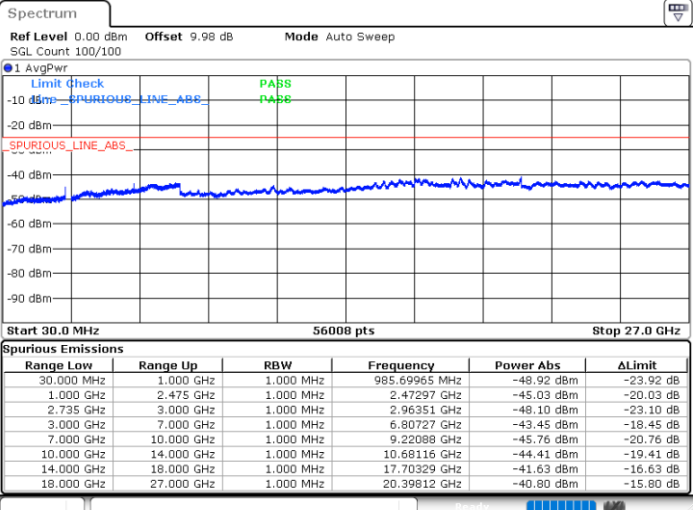
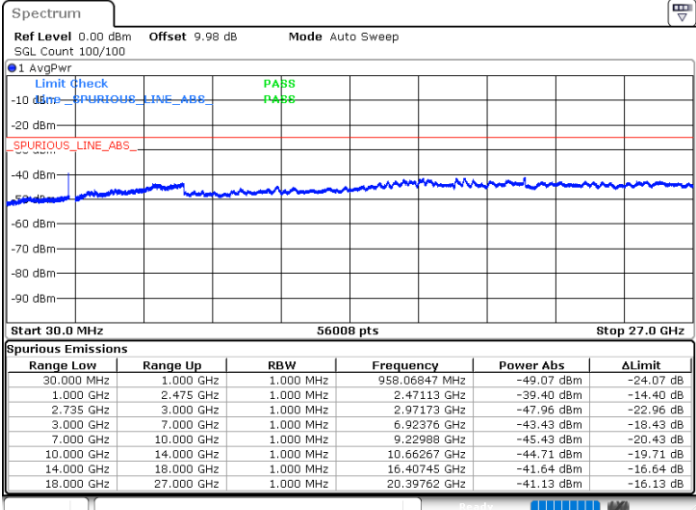
Date: 13.NOV.2022 14:33:46



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

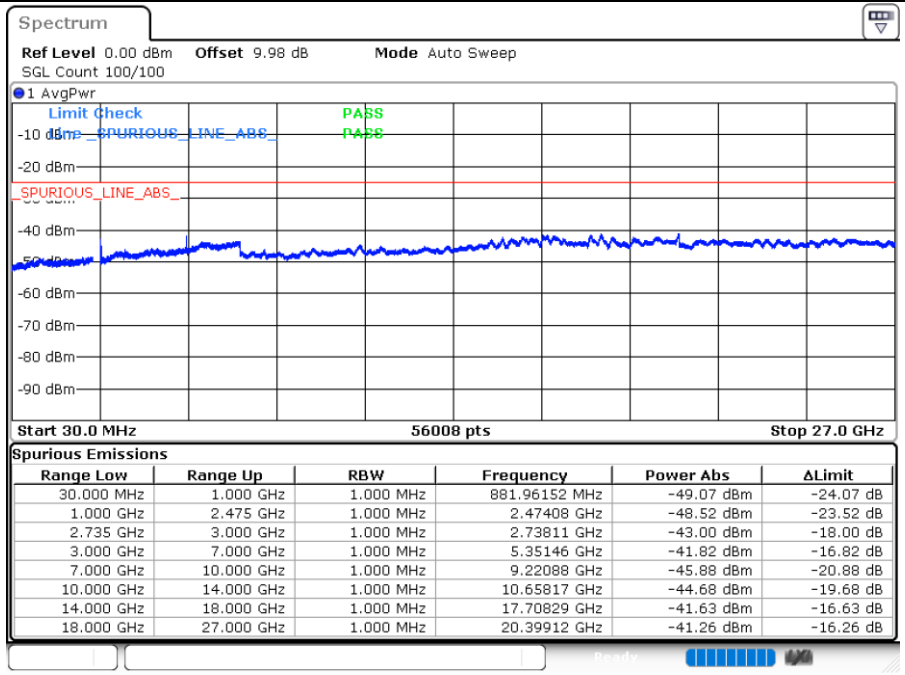
Middle Channel / QPSK



Date: 13.NOV.2022 14:42:25

Date: 13.NOV.2022 14:51:04

Highest Channel / QPSK



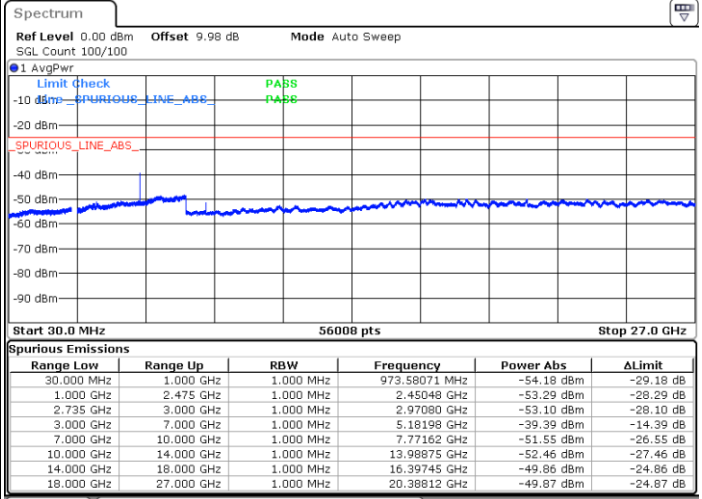
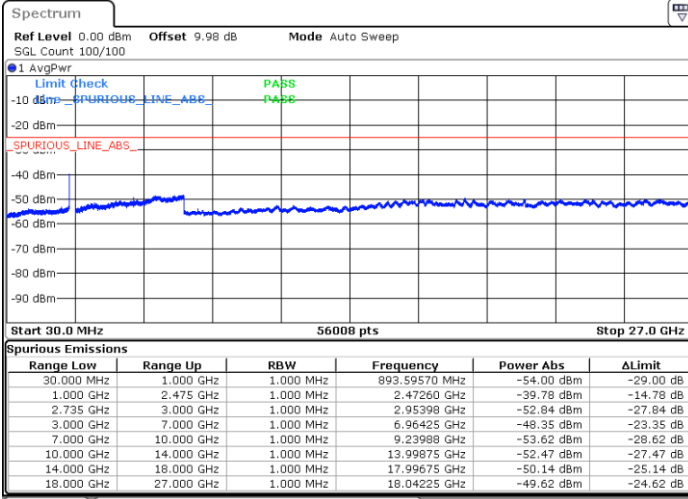
Date: 13.NOV.2022 14:52:37



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

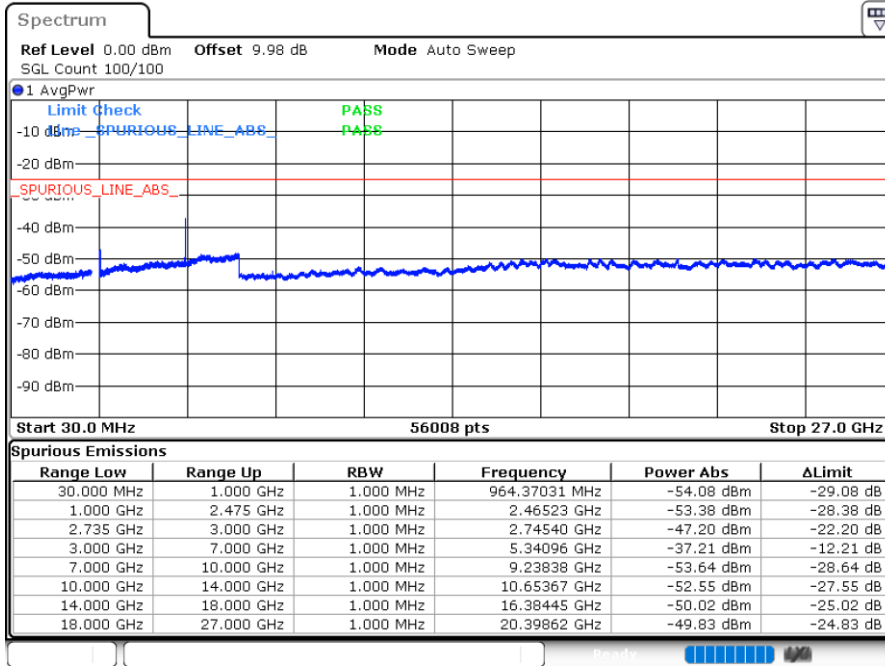
Middle Channel / QPSK



Date: 13.NOV.2022 15:02:08

Date: 13.NOV.2022 15:10:47

Highest Channel / QPSK



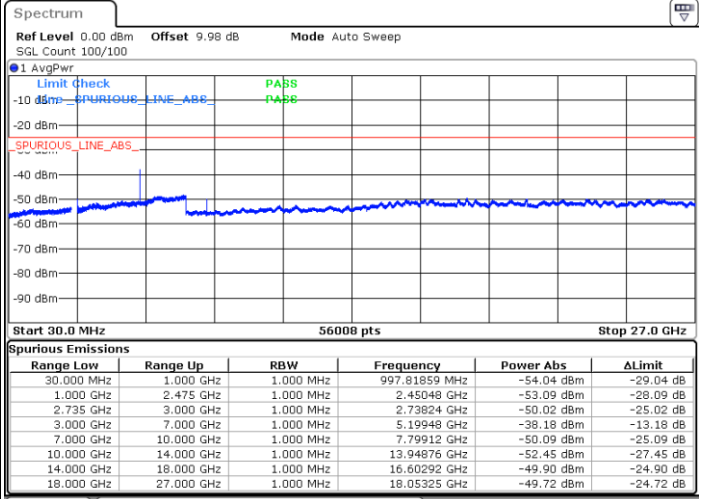
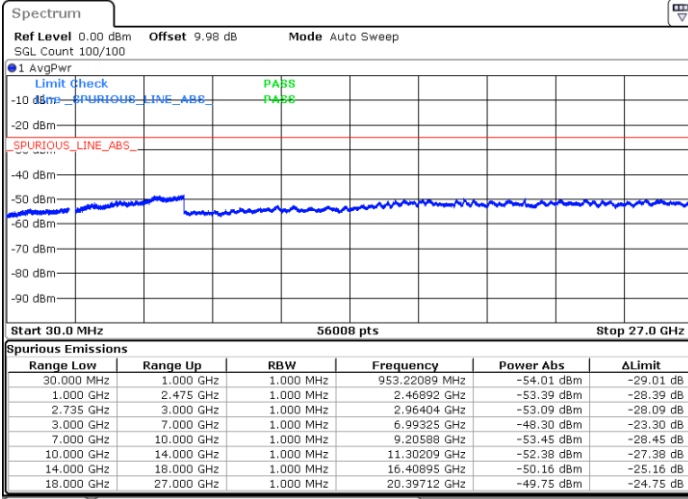
Date: 13.NOV.2022 15:12:20



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

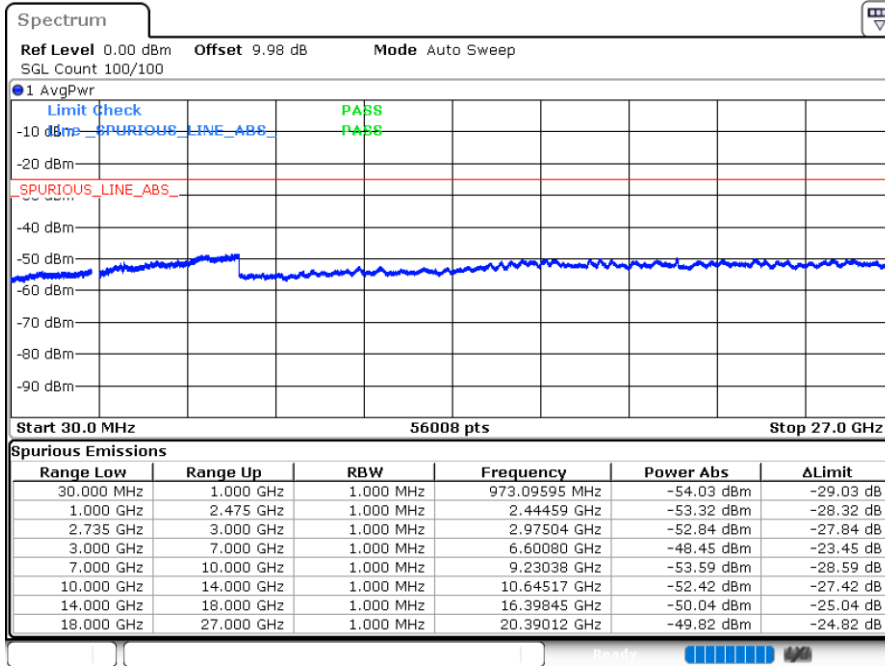
Middle Channel / QPSK



Date: 13.NOV.2022 15:25:33

Date: 13.NOV.2022 15:30:36

Highest Channel / QPSK



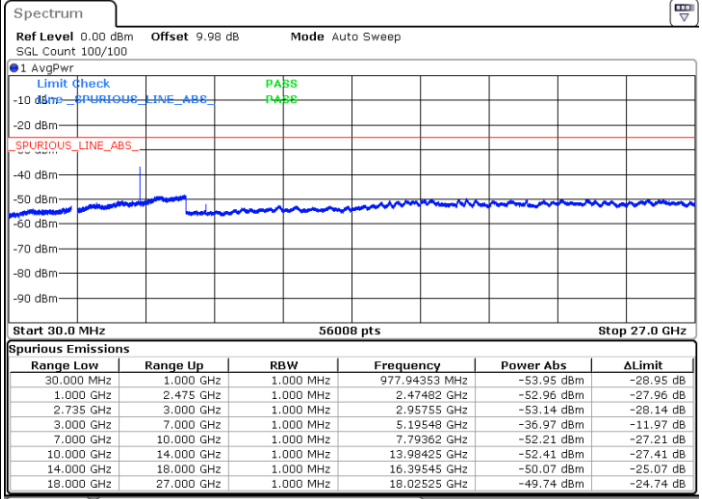
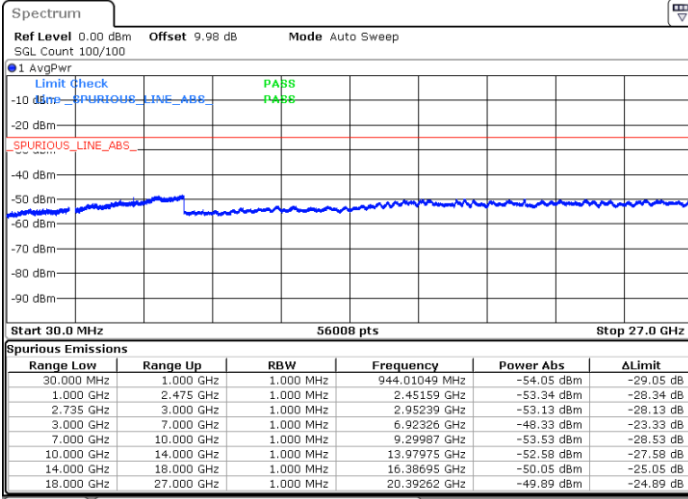
Date: 13.NOV.2022 15:32:09



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

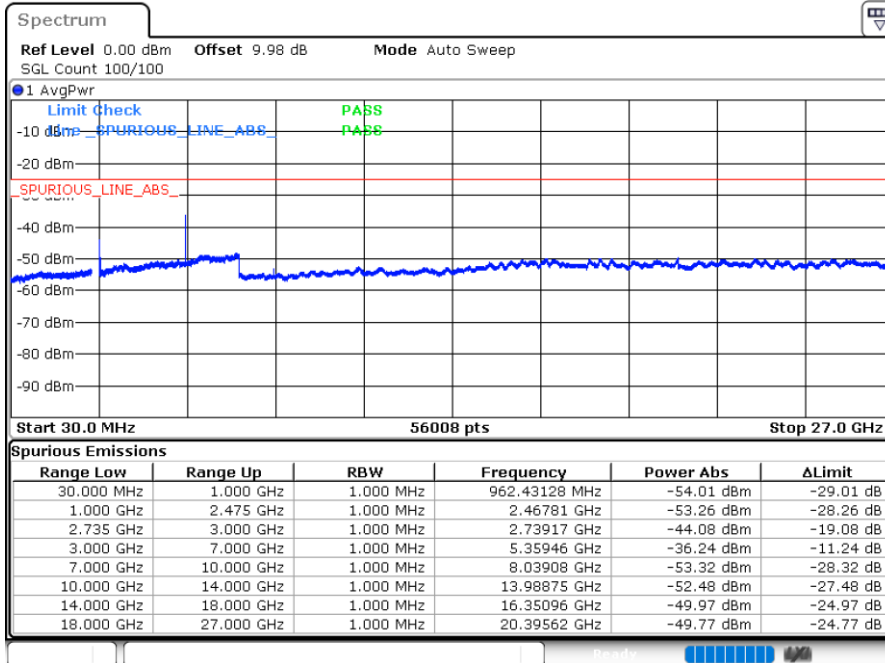
Middle Channel / QPSK



Date: 13.NOV.2022 15:40:49

Date: 13.NOV.2022 15:50:24

Highest Channel / QPSK



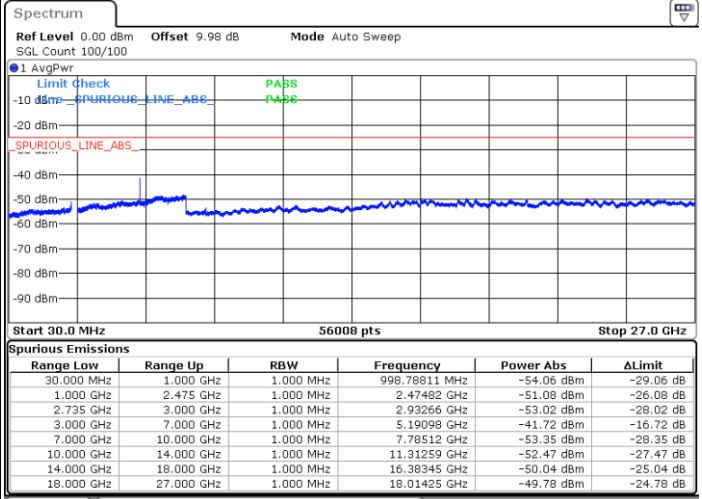
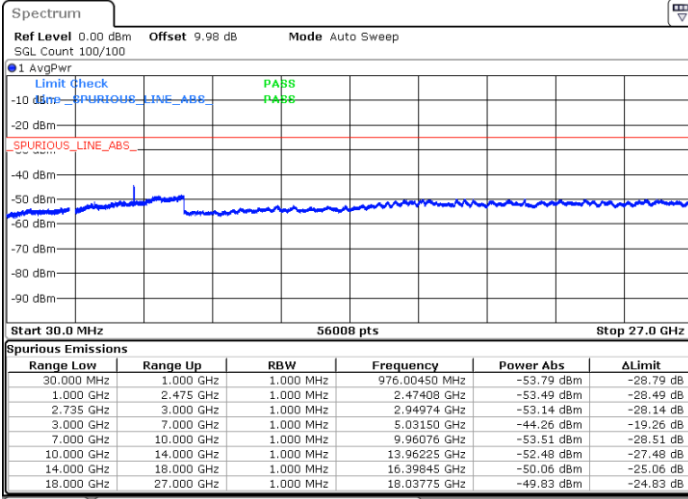
Date: 13.NOV.2022 15:51:58



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

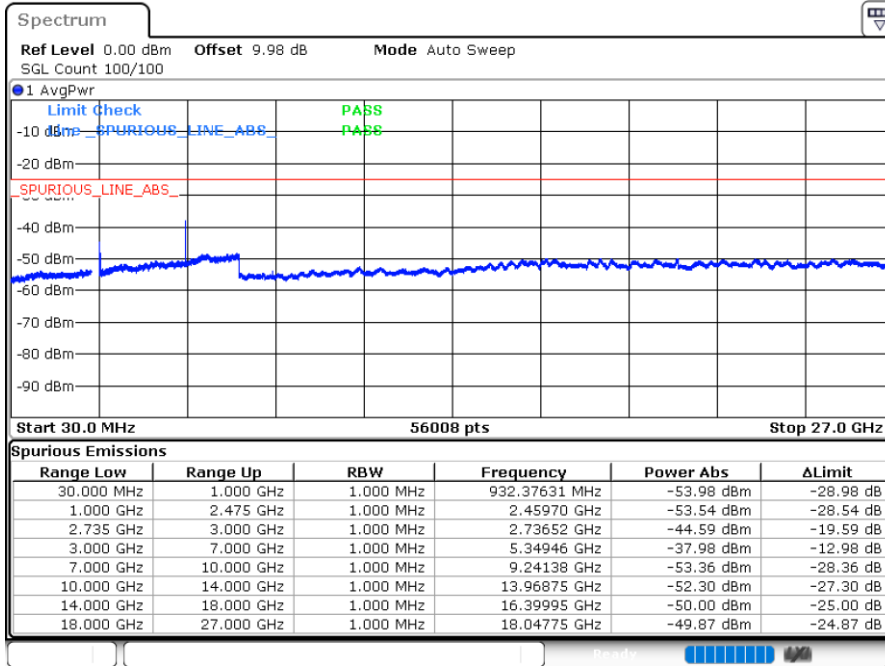
Middle Channel / QPSK



Date: 13.NOV.2022 16:04:08

Date: 13.NOV.2022 16:12:51

Highest Channel / QPSK



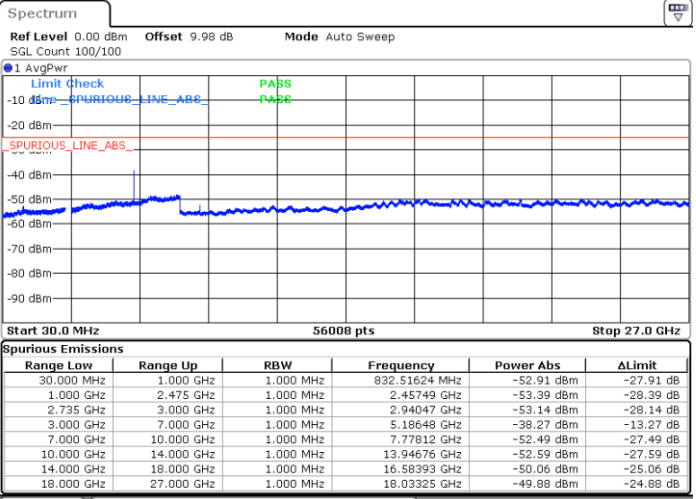
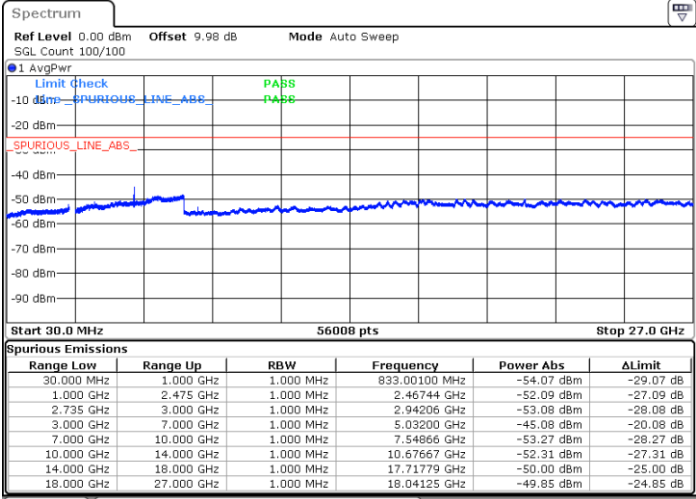
Date: 13.NOV.2022 16:14:23



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

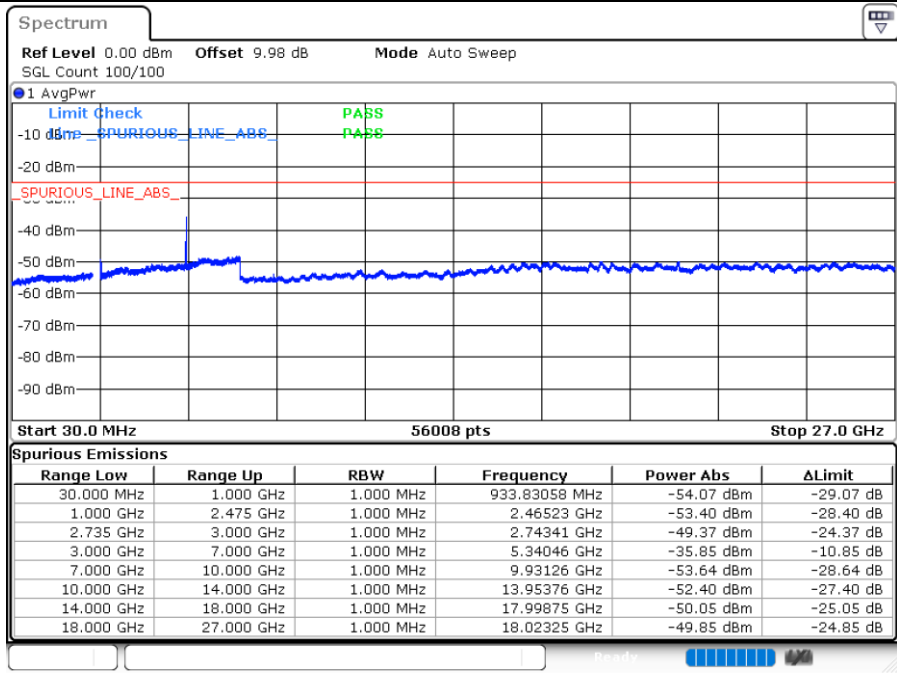
Middle Channel / QPSK



Date: 13.NOV.2022 16:26:39

Date: 13.NOV.2022 16:35:22

Highest Channel / QPSK



Date: 13.NOV.2022 16:36:54



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	0.0027	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0028	

Note:

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



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shun PingYou	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 41 / 20MHz / QPSK (ANT1)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.18	-60.01	-25	-35.01	-81.65	-65.57	7.14	12.70	H
	7752.27	-51.74	-25	-26.74	-78.10	-55.04	8.30	11.60	H
	10336.36	-49.56	-25	-24.56	-81.15	-51.08	10.48	12.00	H
	5168.18	-59.85	-25	-34.85	-81.76	-65.41	7.14	12.70	V
	7752.27	-52.38	-25	-27.38	-78.59	-55.68	8.30	11.60	V
	10336.36	-50.21	-25	-25.21	-80.89	-51.73	10.48	12.00	V

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

LTE Band 41C_CA / 20MHz+20MHz / QPSK (ANT1)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5148.20	-57.31	-25	-32.31	-78.99	-62.87	7.14	12.70	H
	7722.30	-52.77	-25	-27.77	-79.09	-56.07	8.30	11.60	H
	10296.40	-48.35	-25	-23.35	-79.94	-49.87	10.48	12.00	H
	5148.20	-58.51	-25	-33.51	-80.44	-64.07	7.14	12.70	V
	7722.30	-49.40	-25	-24.40	-75.6	-52.70	8.30	11.60	V
	10296.40	-49.58	-25	-24.58	-80.18	-51.10	10.48	12.00	V

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