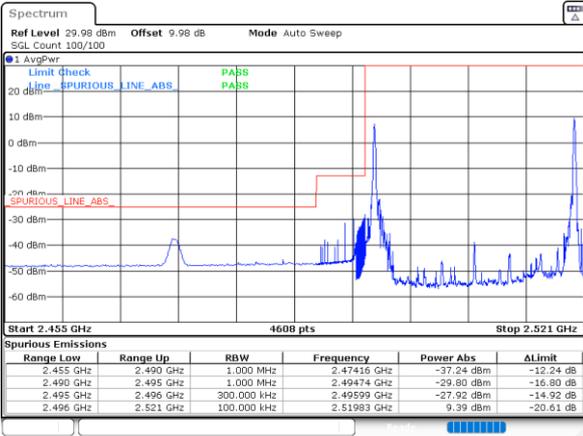




LTE Band 41C / 20MHz+5MHz

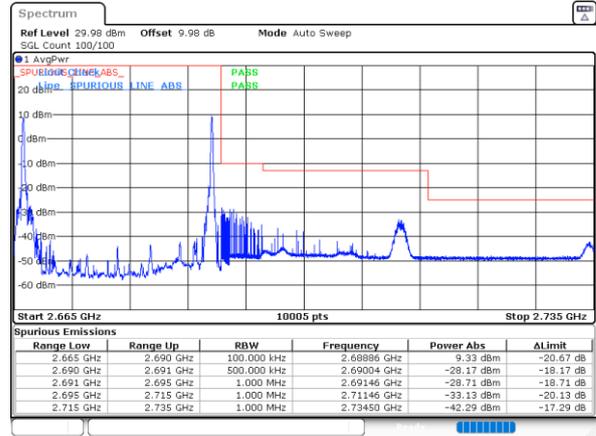
16QAM

Lowest Band Edge / 1RB0 and 1RB24



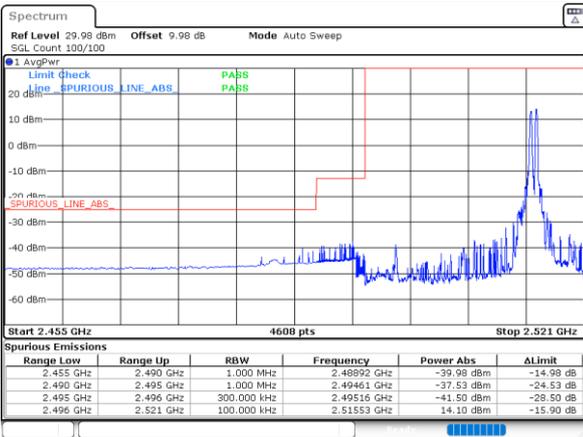
Date: 1.MAR.2025 15:34:32

Highest Band Edge / 1RB0 and 1RB24



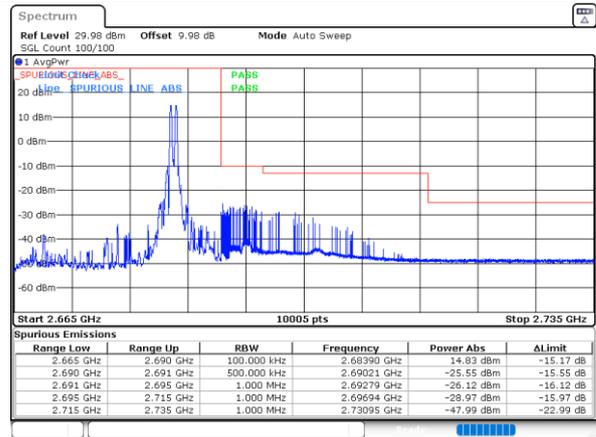
Date: 1.MAR.2025 15:44:46

Lowest Band Edge / 1RB99 and 1RB0



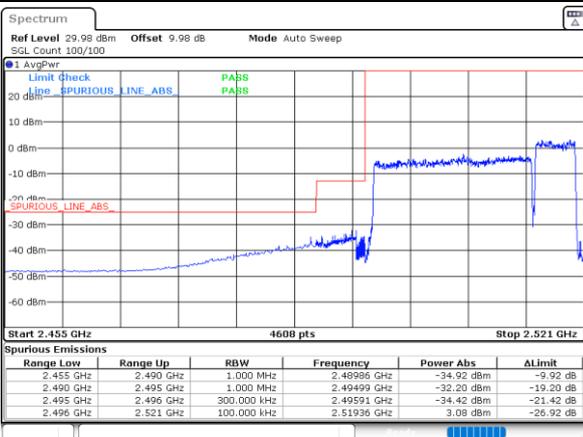
Date: 1.MAR.2025 15:32:09

Highest Band Edge / 1RB99 and 1RB0



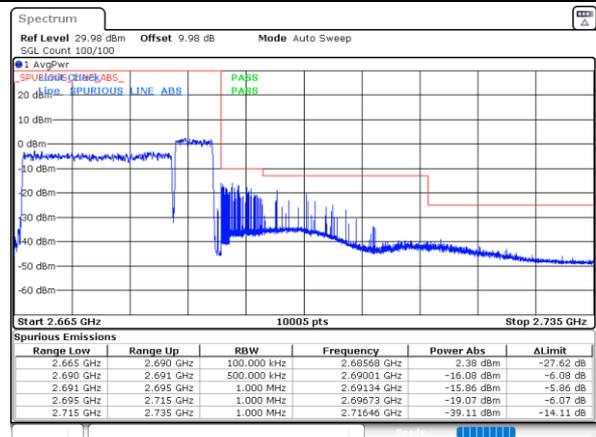
Date: 1.MAR.2025 15:42:23

Lowest Band Edge / Full RB



Date: 1.MAR.2025 15:36:55

Highest Band Edge / Full RB



Date: 1.MAR.2025 15:47:08

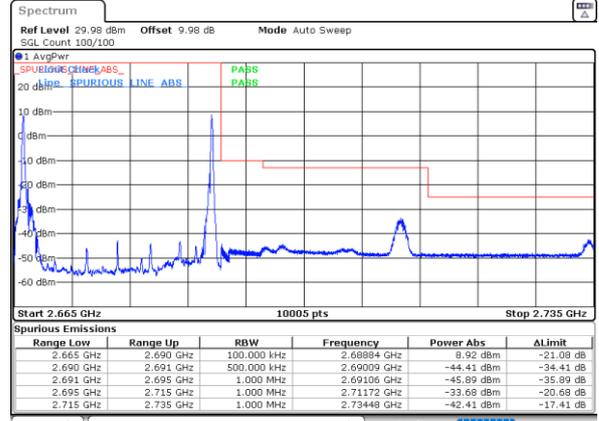
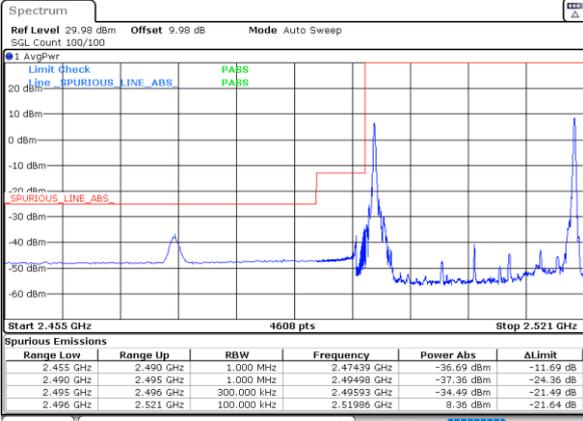


LTE Band 41C / 20MHz+5MHz

64QAM

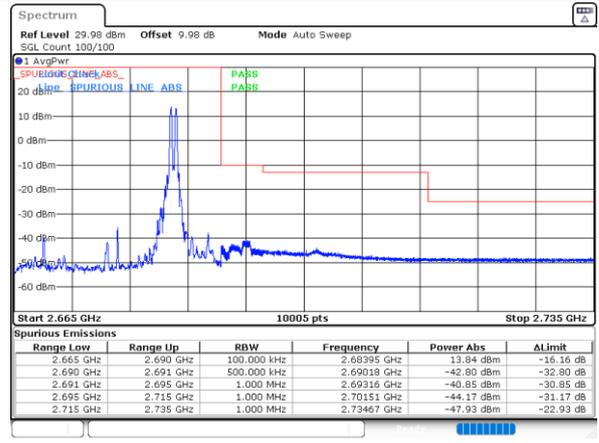
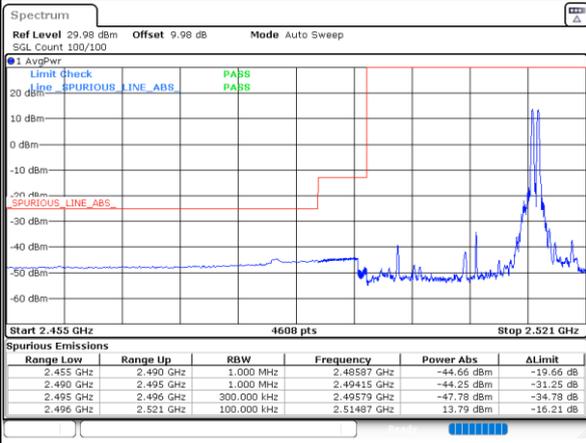
Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



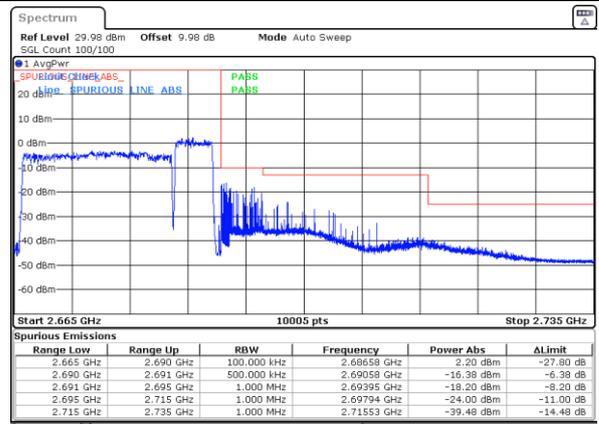
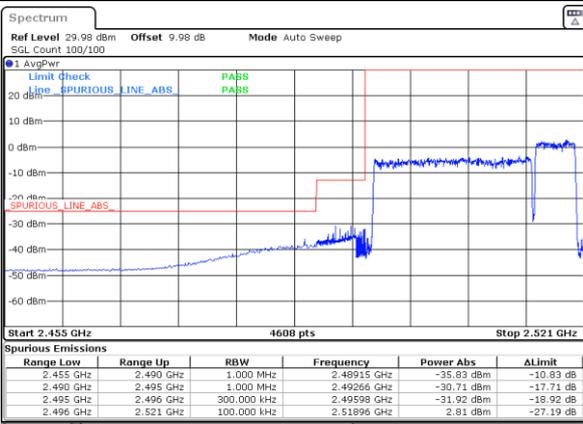
Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



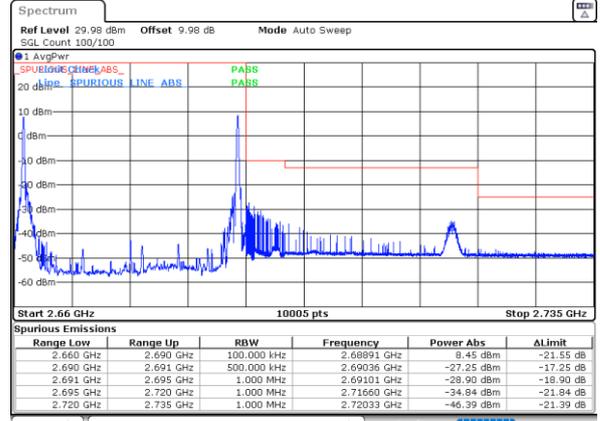
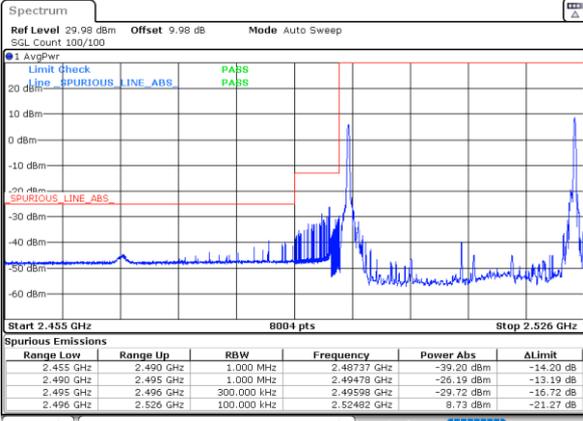


LTE Band 41C / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

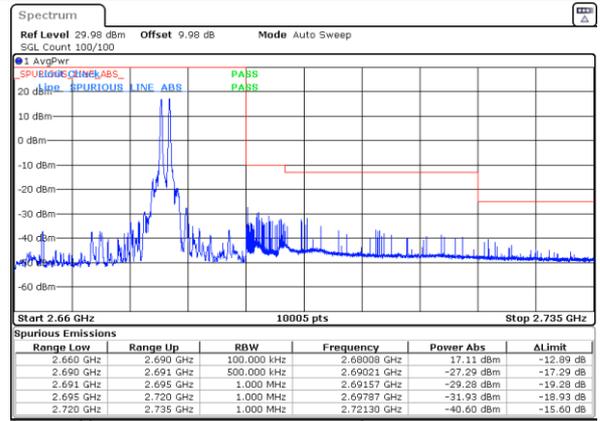


Date: 1.MAR.2025 15:52:40

Date: 1.MAR.2025 16:02:53

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

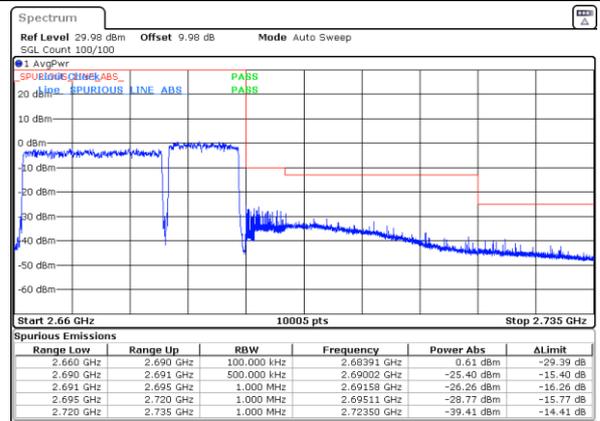
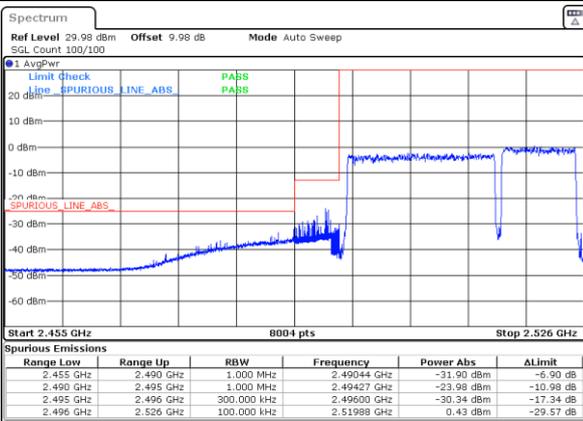


Date: 1.MAR.2025 15:50:17

Date: 1.MAR.2025 16:00:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2025 15:55:03

Date: 1.MAR.2025 16:05:58

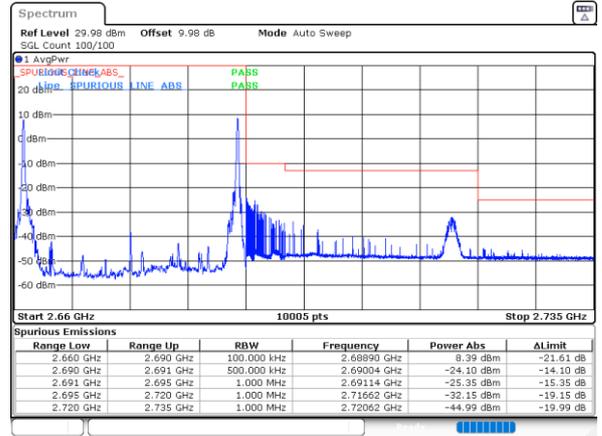
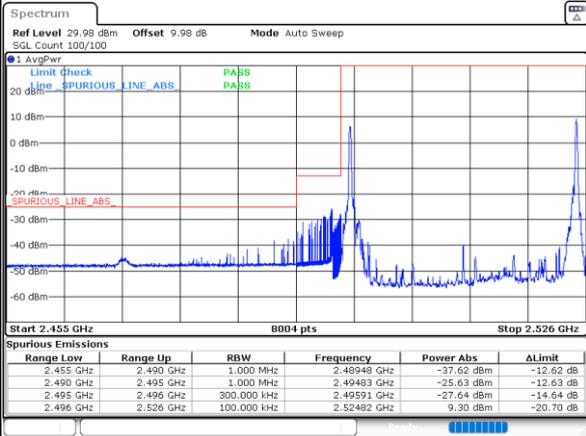


LTE Band 41C / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

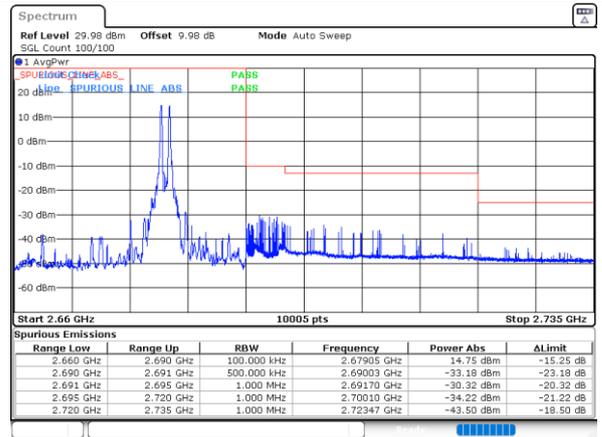
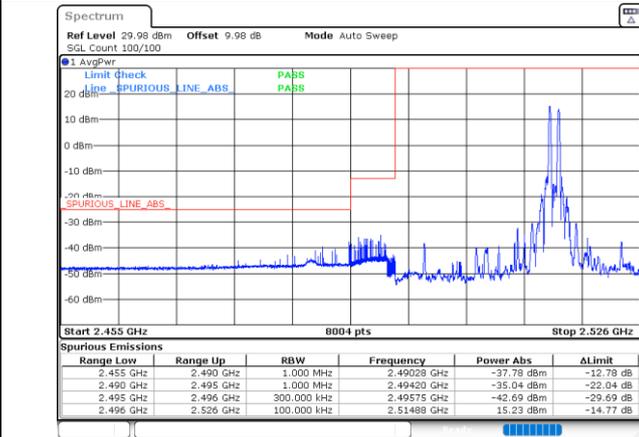


Date: 1.MAR.2025 15:53:27

Date: 1.MAR.2025 16:03:41

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

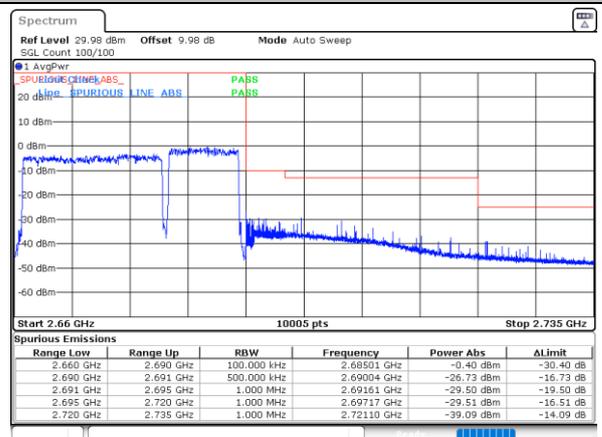
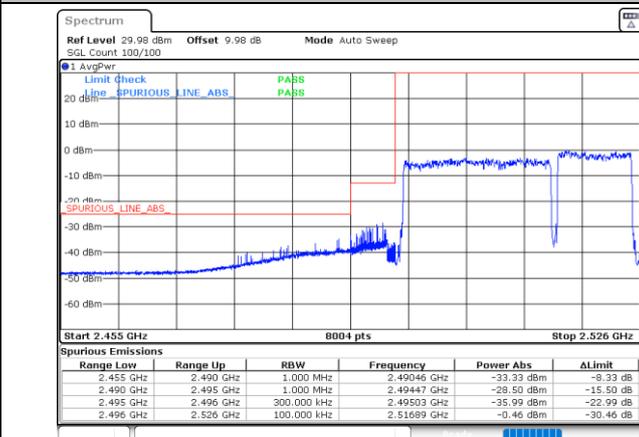


Date: 1.MAR.2025 15:51:04

Date: 1.MAR.2025 16:01:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2025 15:55:51

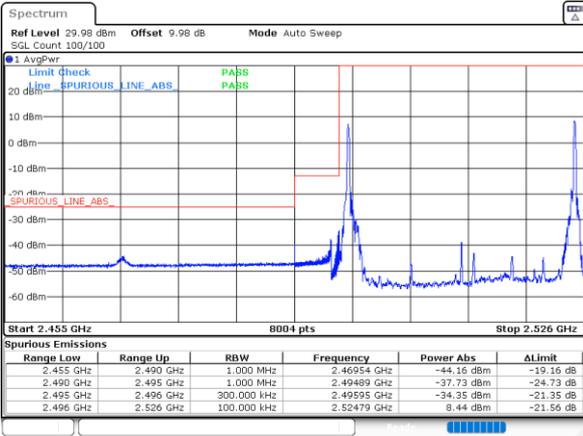
Date: 1.MAR.2025 16:06:45



LTE Band 41C / 20MHz+10MHz

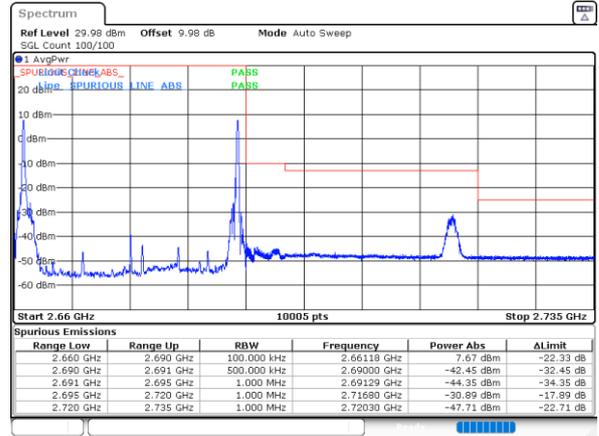
64QAM

Lowest Band Edge / 1RB0 and 1RB49



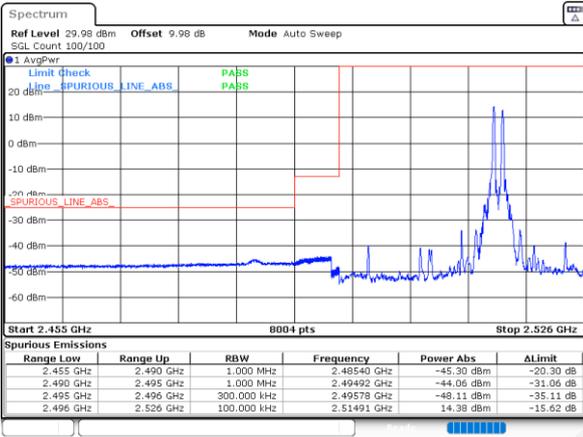
Date: 1.MAR.2025 15:54:15

Highest Band Edge / 1RB0 and 1RB49



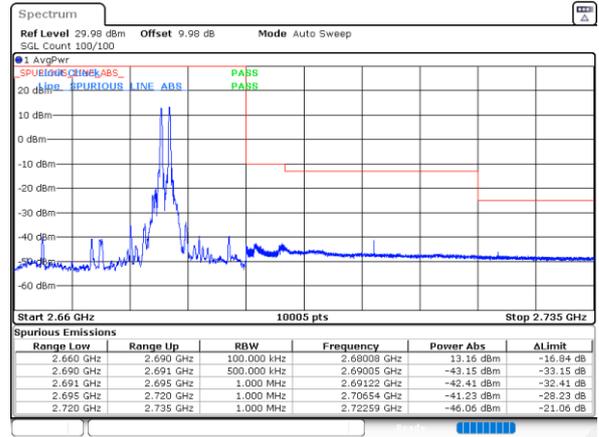
Date: 1.MAR.2025 16:05:10

Lowest Band Edge / 1RB99 and 1RB0



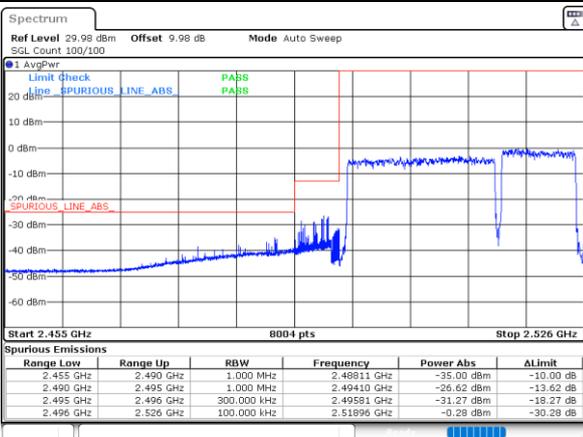
Date: 1.MAR.2025 15:51:52

Highest Band Edge / 1RB99 and 1RB0



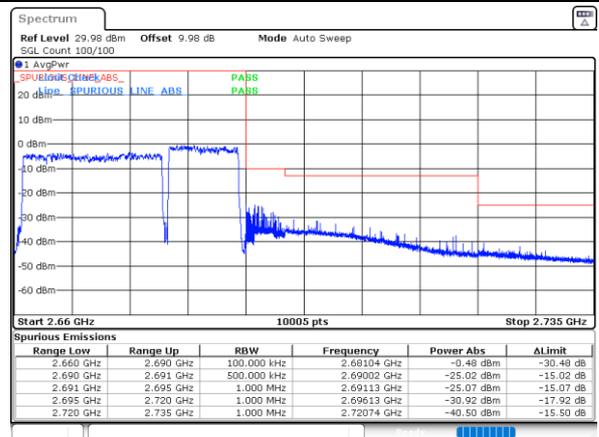
Date: 1.MAR.2025 16:02:06

Lowest Band Edge / Full RB



Date: 1.MAR.2025 15:56:18

Highest Band Edge / Full RB



Date: 1.MAR.2025 16:07:33

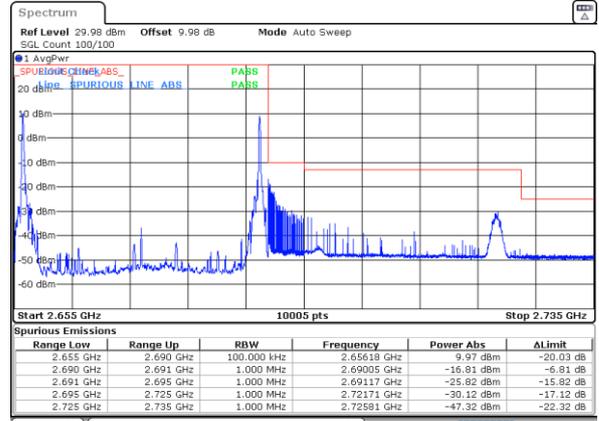
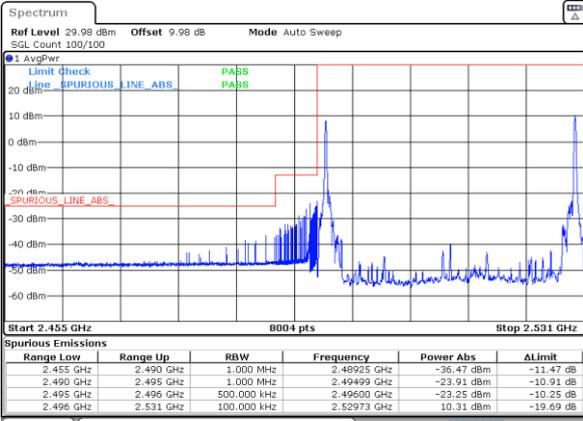


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

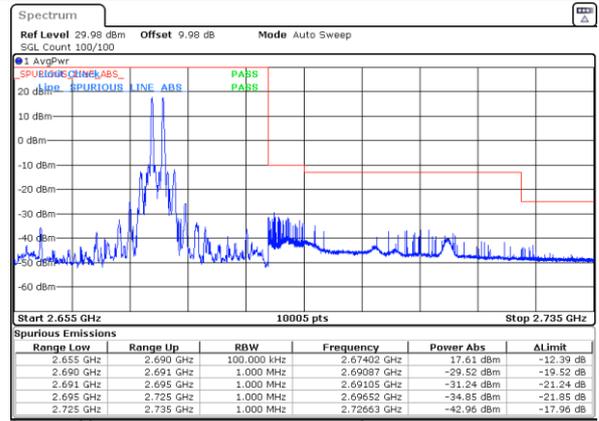
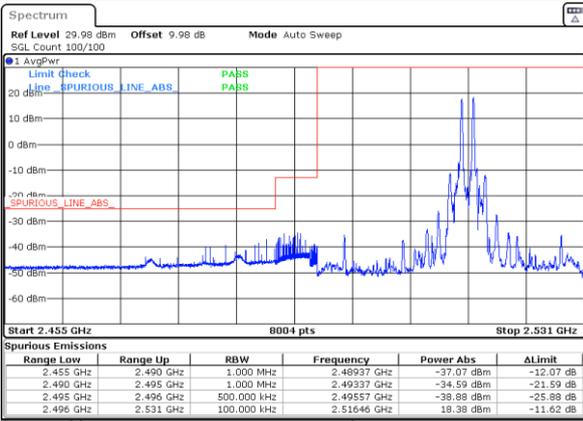


Date: 1.MAR.2025 16:16:27

Date: 1.MAR.2025 16:26:42

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

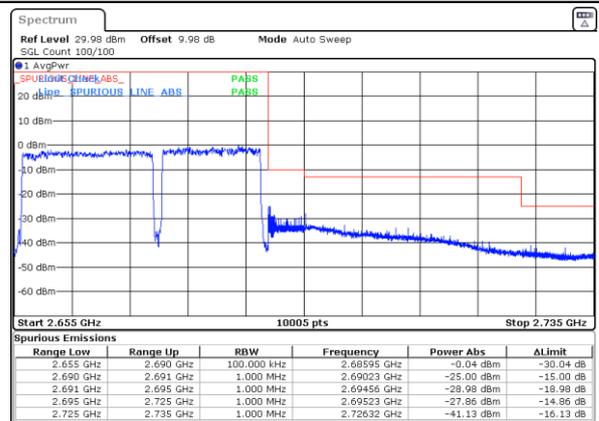
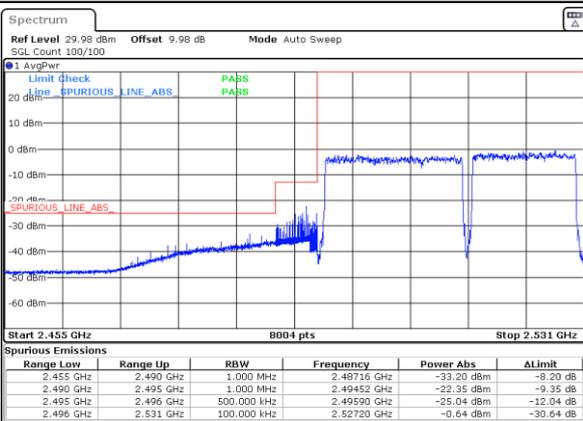


Date: 1.MAR.2025 16:14:04

Date: 1.MAR.2025 16:24:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2025 16:18:50

Date: 1.MAR.2025 16:29:05

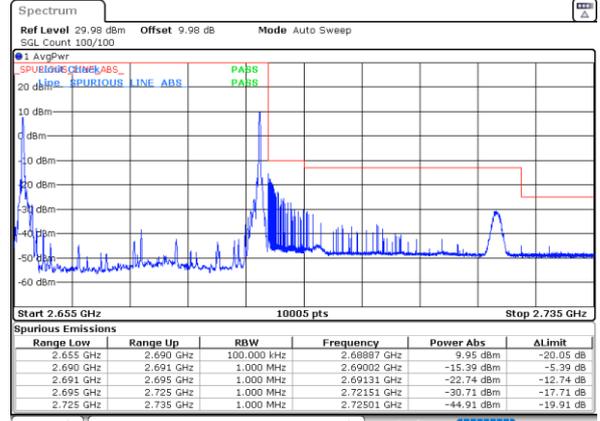
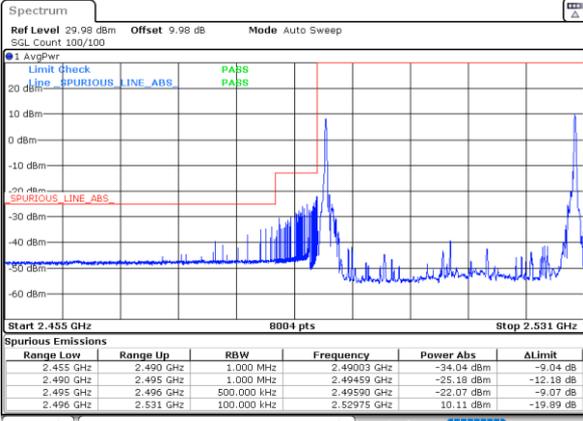


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

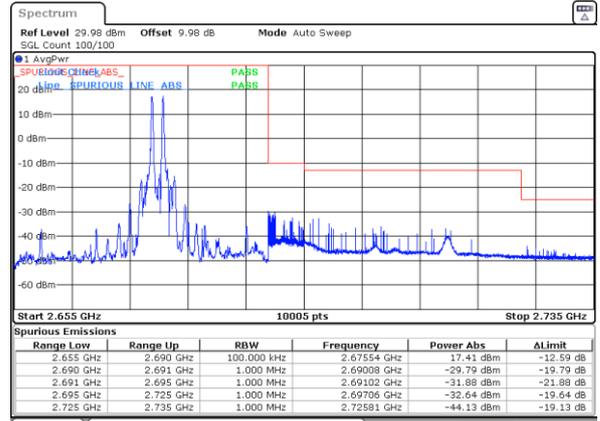
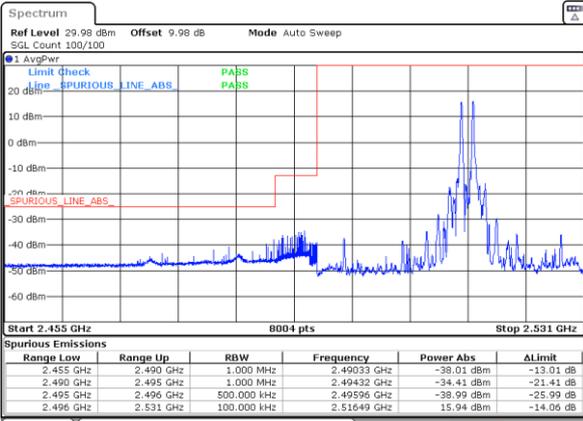


Date: 1.MAR.2025 16:17:15

Date: 1.MAR.2025 16:27:30

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

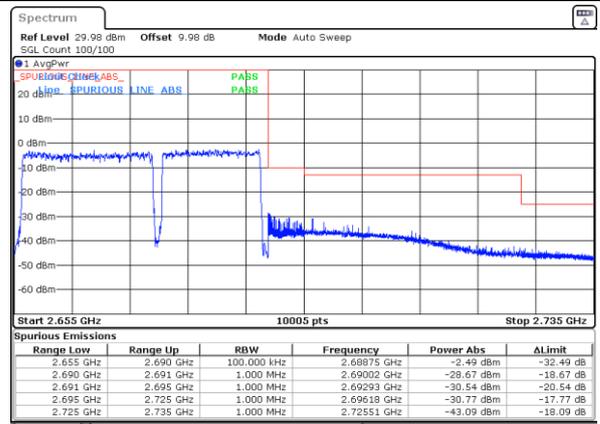
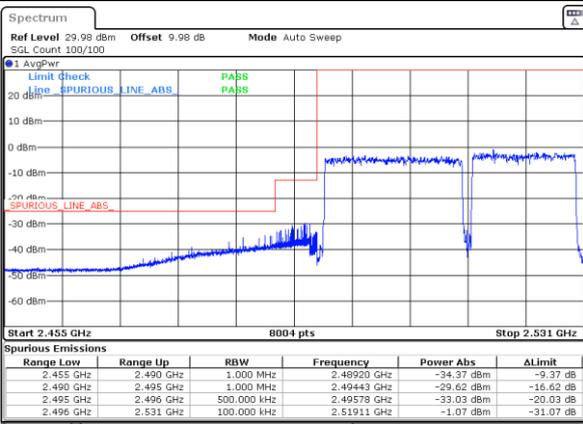


Date: 1.MAR.2025 16:14:52

Date: 1.MAR.2025 16:25:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2025 16:19:38

Date: 1.MAR.2025 16:29:53

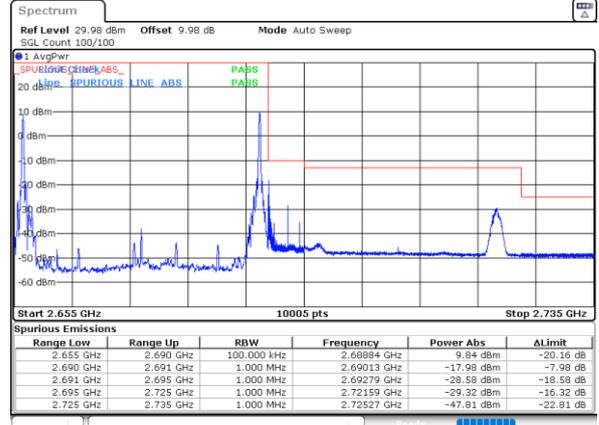
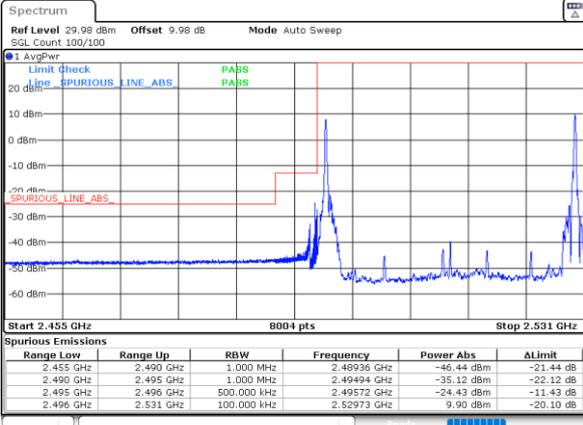


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

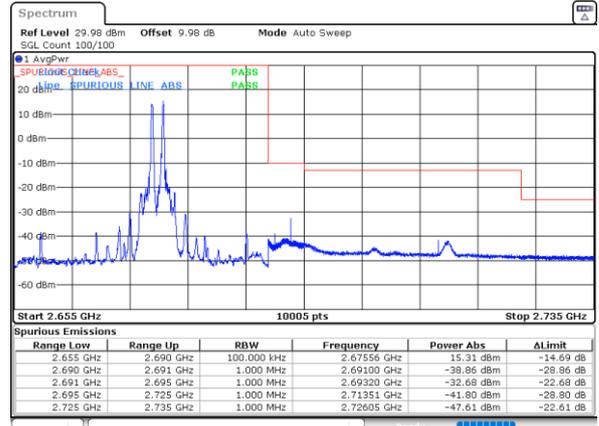
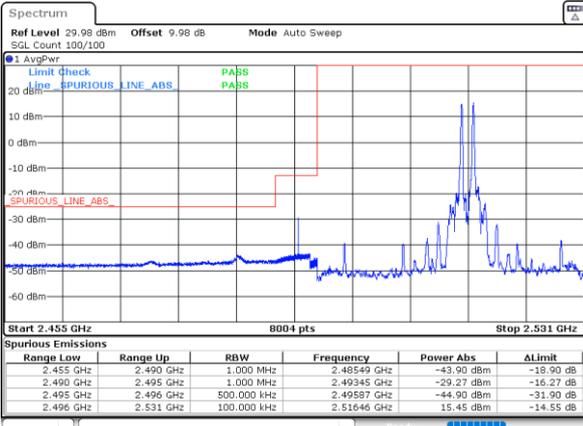


Date: 1.MAR.2025 16:18:02

Date: 1.MAR.2025 16:35:36

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

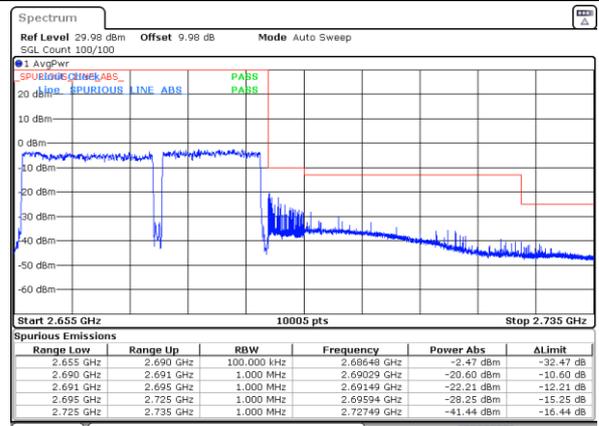
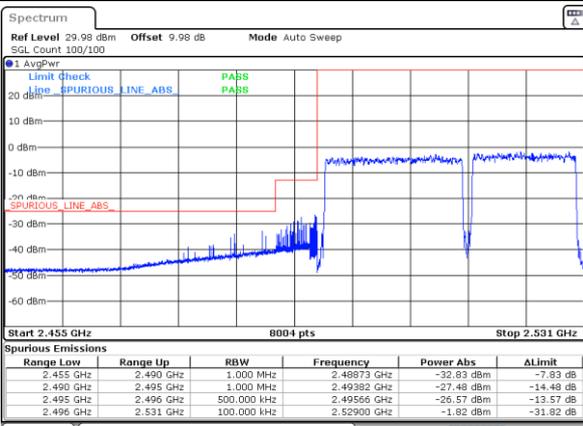


Date: 1.MAR.2025 16:15:39

Date: 1.MAR.2025 16:34:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2025 16:20:25

Date: 1.MAR.2025 16:30:40

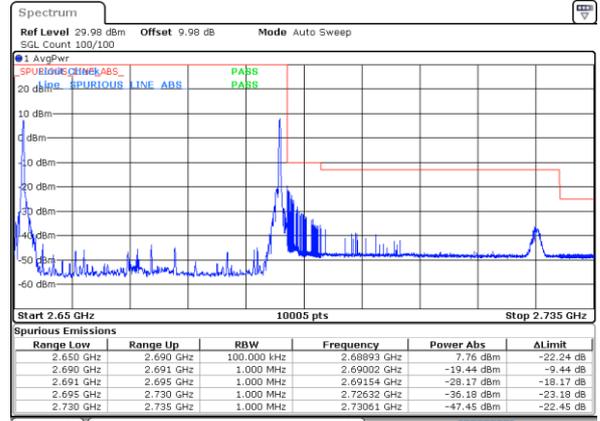
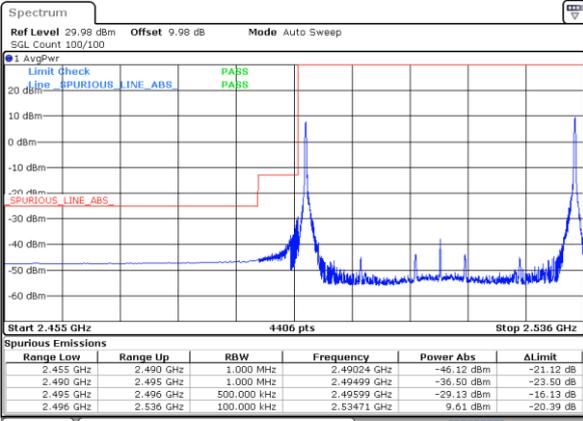


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

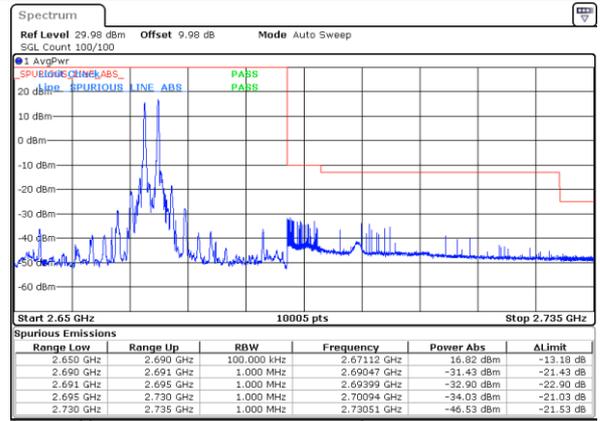
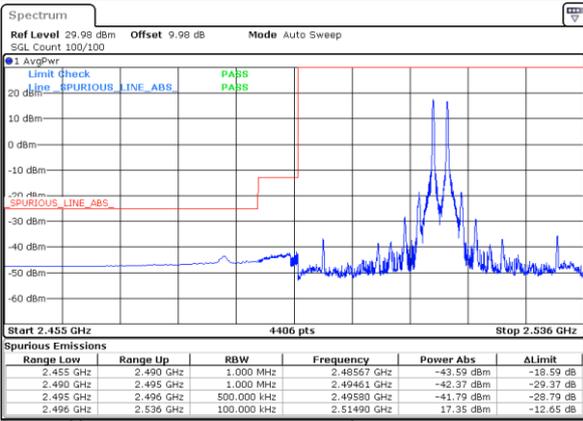


Date: 2.MAR.2025 08:47:23

Date: 2.MAR.2025 09:11:06

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

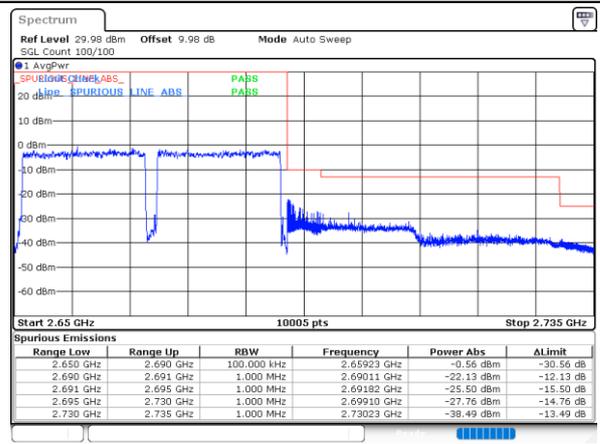
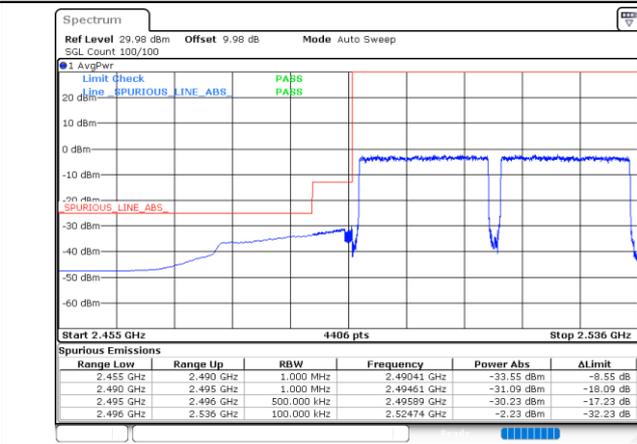


Date: 2.MAR.2025 08:39:23

Date: 2.MAR.2025 09:02:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.MAR.2025 08:49:47

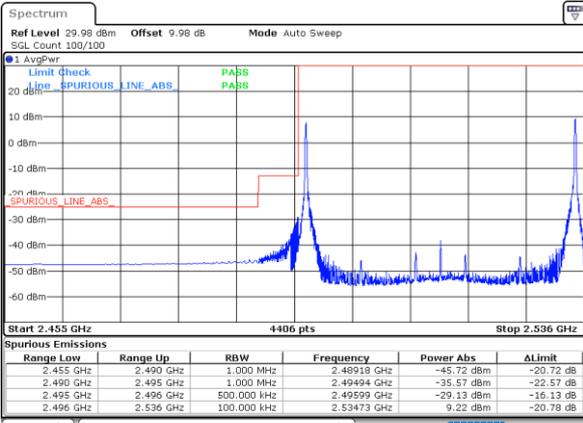
Date: 2.MAR.2025 09:51:54



LTE Band 41C / 20MHz+20MHz

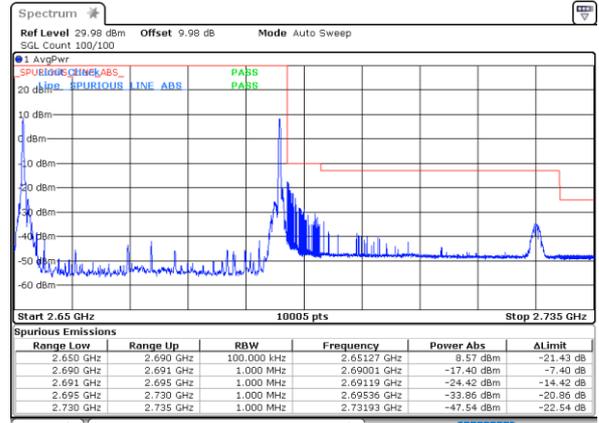
16QAM

Lowest Band Edge / 1RB0 and 1RB9



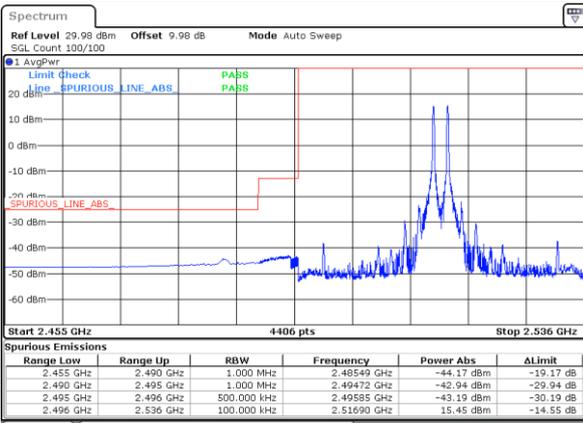
Date: 2.MAR.2025 08:48:11

Highest Band Edge / 1RB0 and 1RB9



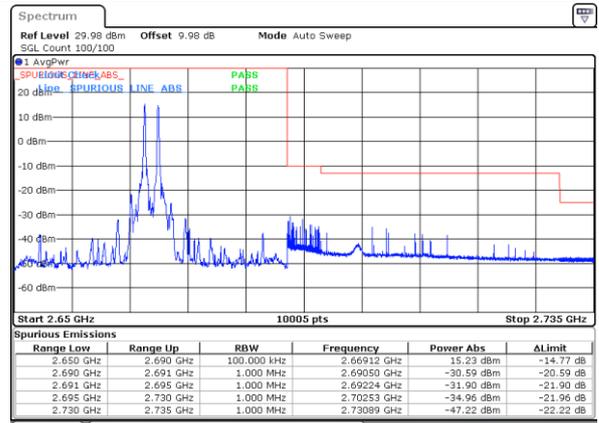
Date: 2.MAR.2025 09:30:38

Lowest Band Edge / 1RB99 and 1RB0



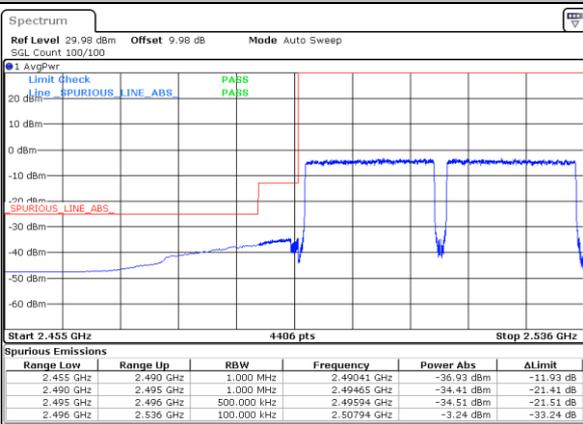
Date: 2.MAR.2025 08:44:37

Highest Band Edge / 1RB99 and 1RB0



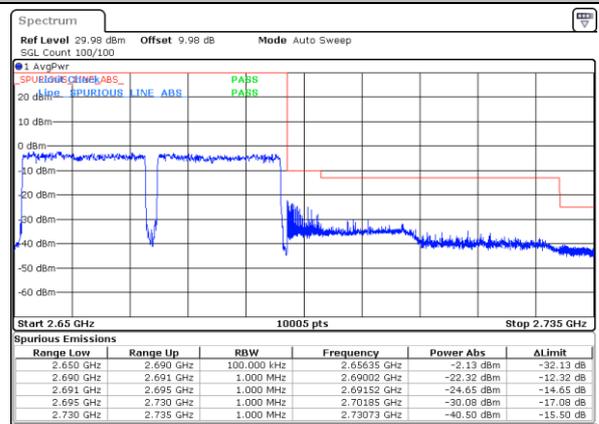
Date: 2.MAR.2025 09:09:23

Lowest Band Edge / Full RB



Date: 2.MAR.2025 08:56:56

Highest Band Edge / Full RB



Date: 2.MAR.2025 09:51:17

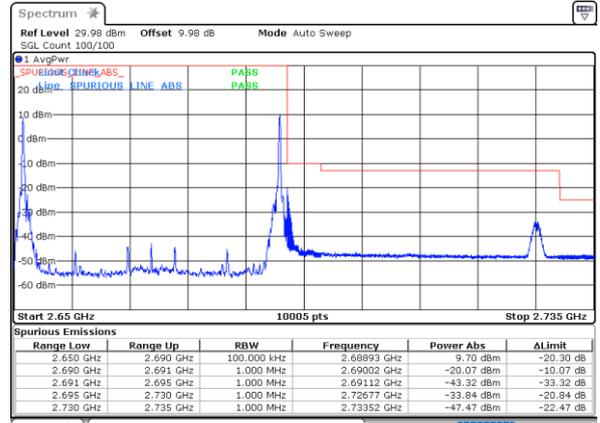
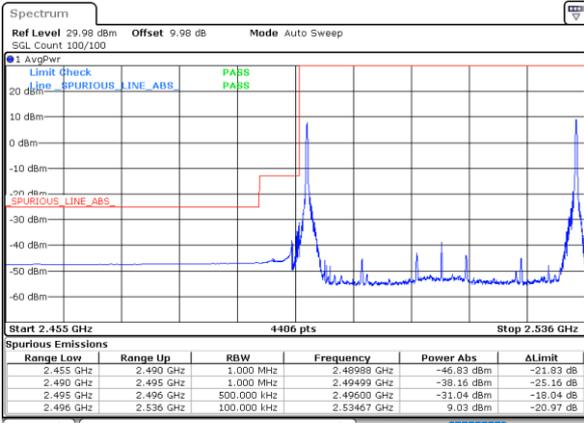


LTE Band 41C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

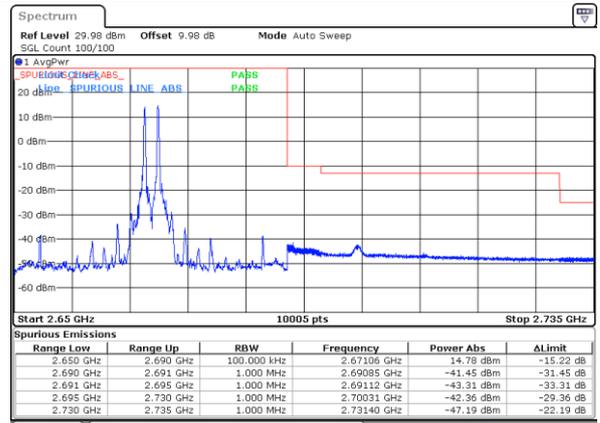
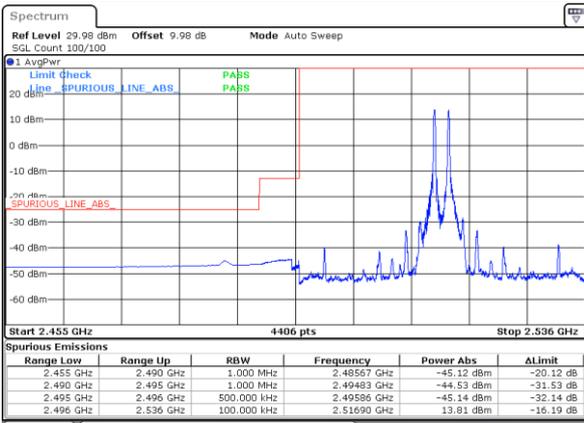


Date: 2.MAR.2025 08:48:59

Date: 2.MAR.2025 09:53:18

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

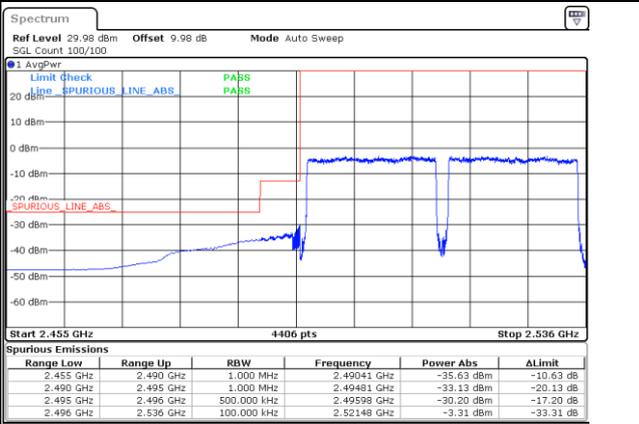


Date: 2.MAR.2025 08:46:34

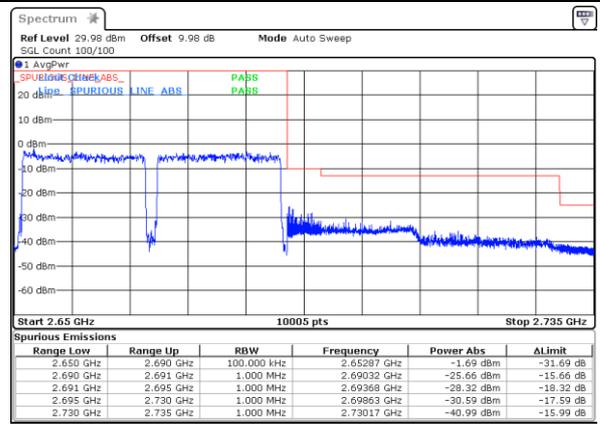
Date: 2.MAR.2025 09:10:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.MAR.2025 08:57:44



Date: 2.MAR.2025 09:49:49

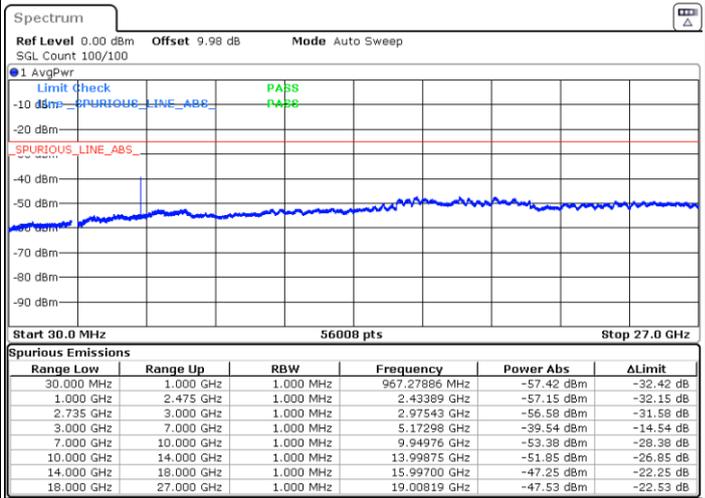
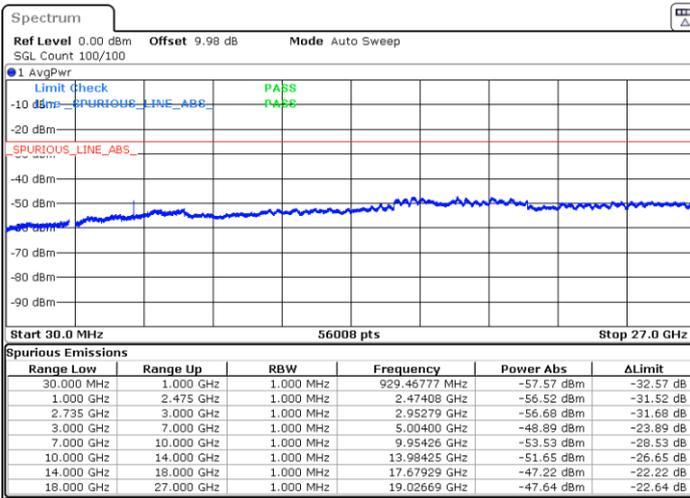


Conducted Spurious Emission

LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK

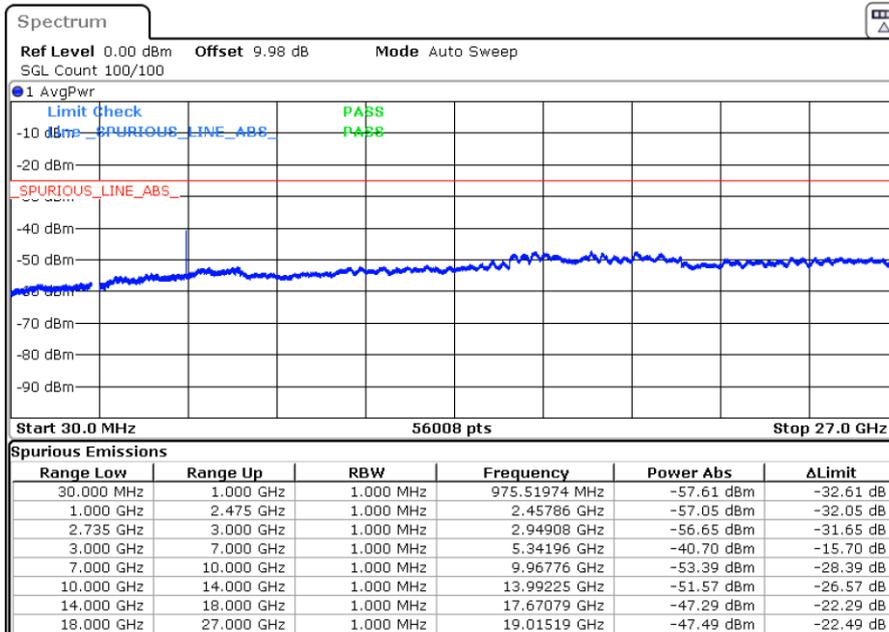
Middle Channel / QPSK



Date: 1.MAR.2025 13:10:42

Date: 1.MAR.2025 13:22:20

Highest Channel / QPSK



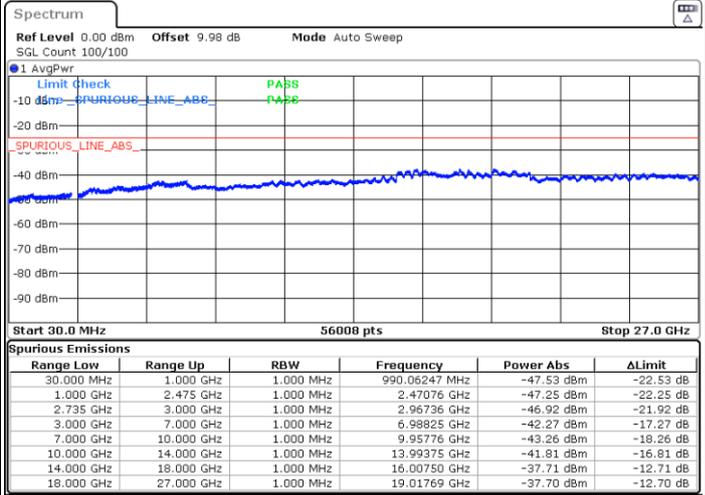
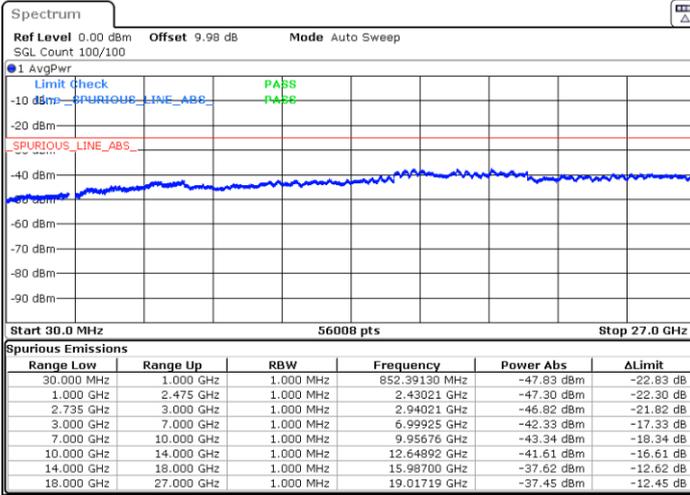
Date: 1.MAR.2025 13:23:53



LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

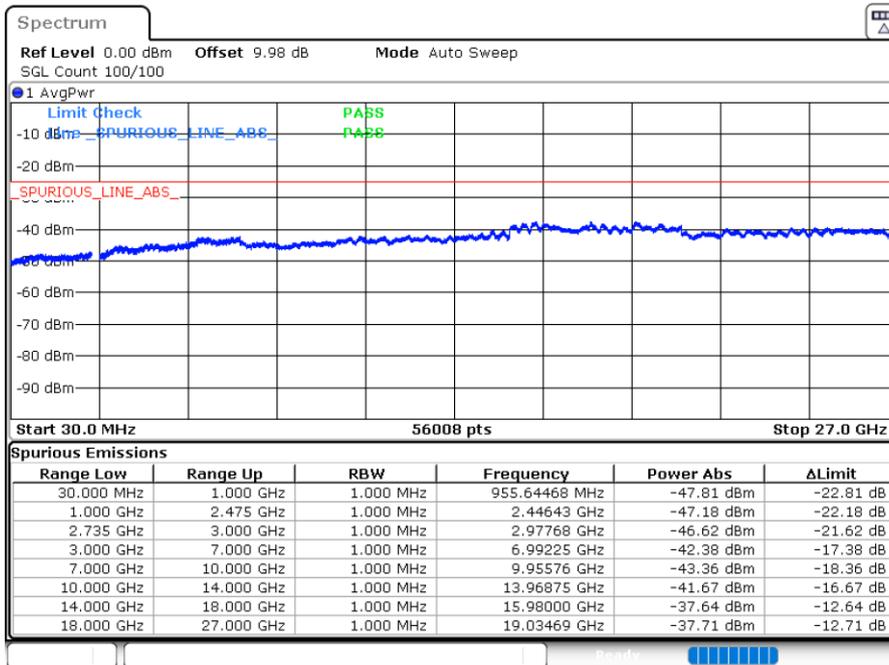
Middle Channel / QPSK



Date: 1.MAR.2025 13:36:02

Date: 1.MAR.2025 13:44:40

Highest Channel / QPSK



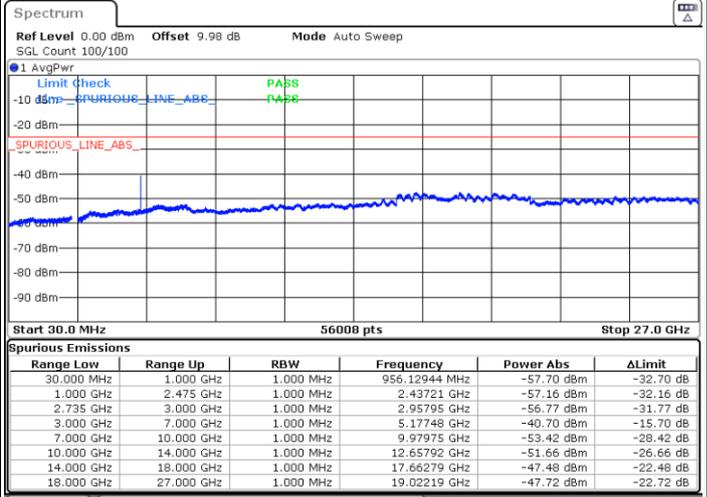
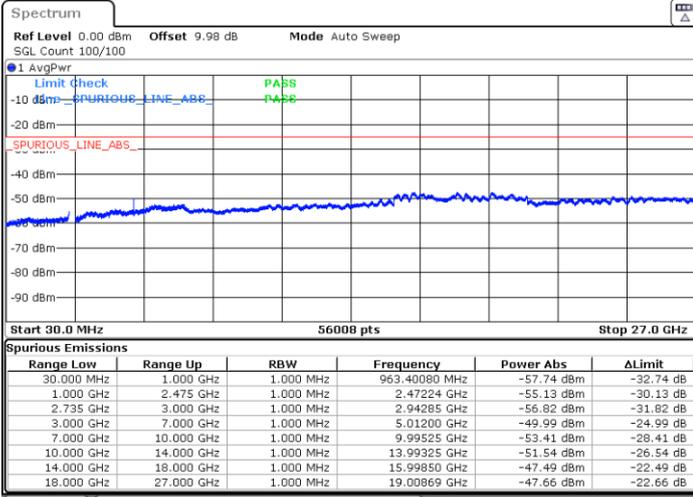
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LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

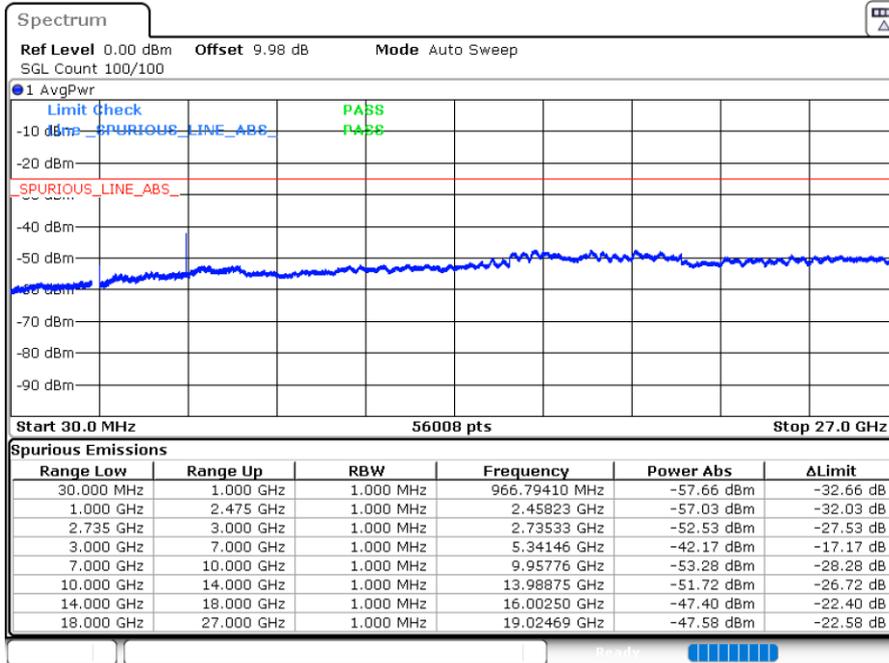
Middle Channel / QPSK



Date: 1.MAR.2025 13:54:53

Date: 1.MAR.2025 14:03:34

Highest Channel / QPSK



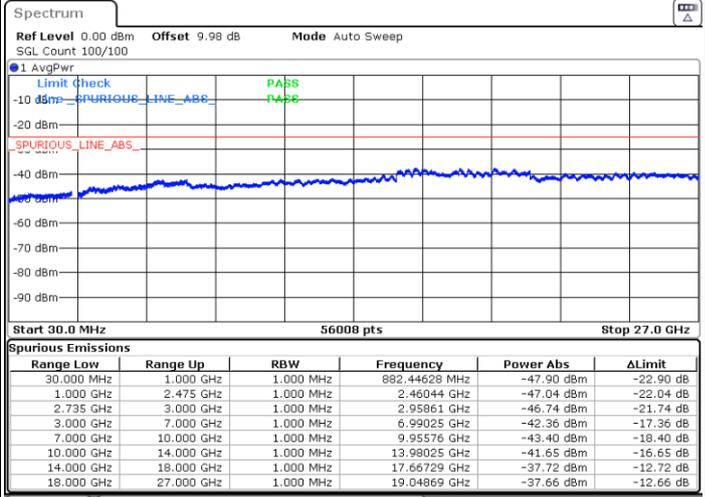
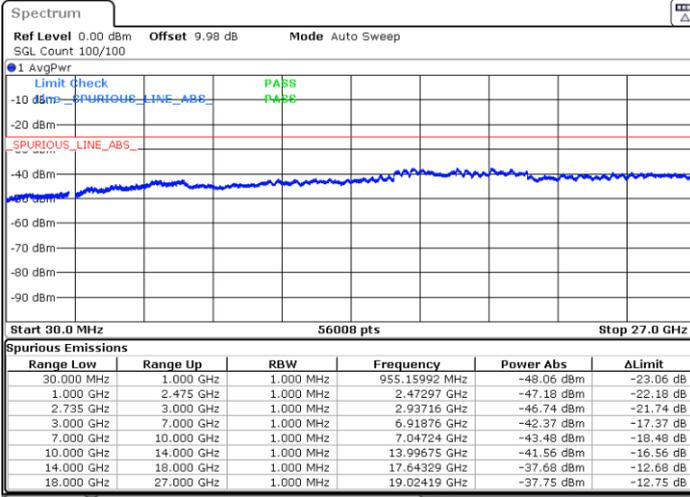
Date: 1.MAR.2025 14:05:07



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

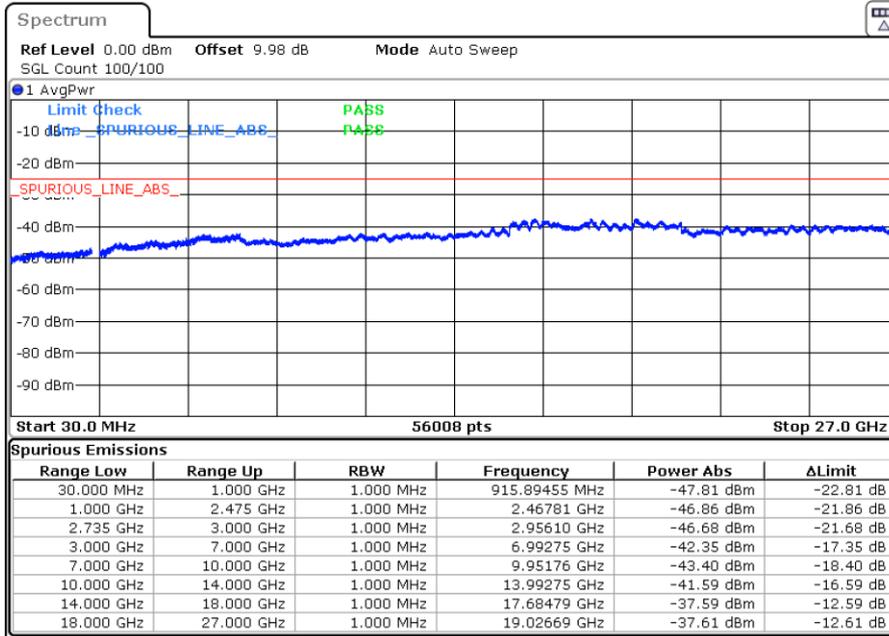
Middle Channel / QPSK



Date: 1.MAR.2025 14:14:31

Date: 1.MAR.2025 14:23:12

Highest Channel / QPSK



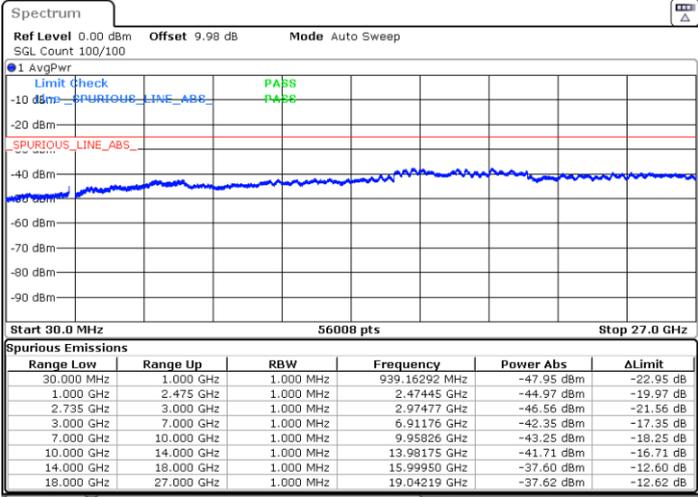
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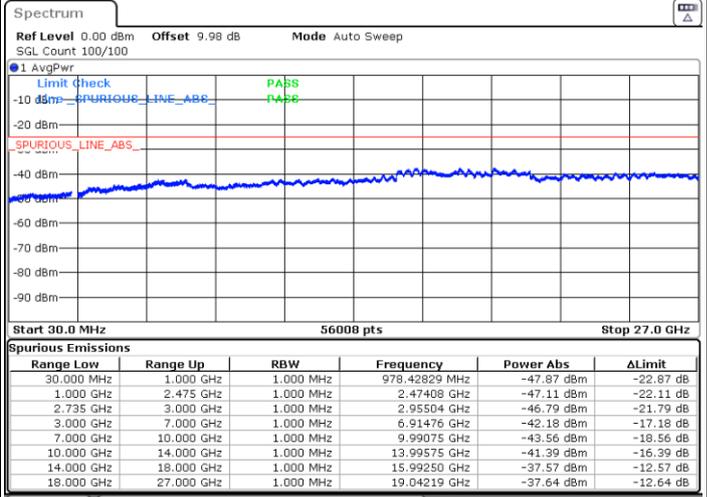
LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

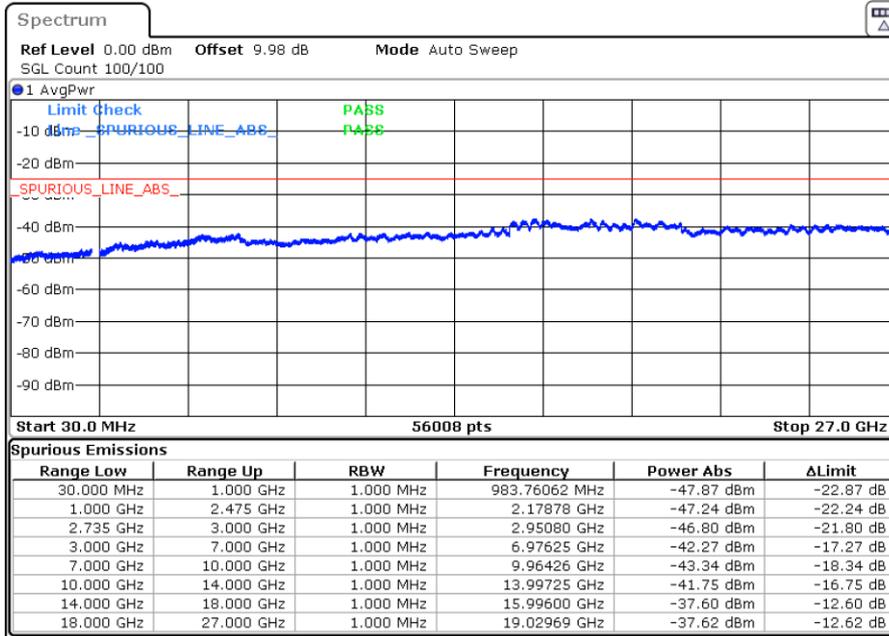


Date: 1.MAR.2025 14:33:26



Date: 1.MAR.2025 14:44:19

Highest Channel / QPSK



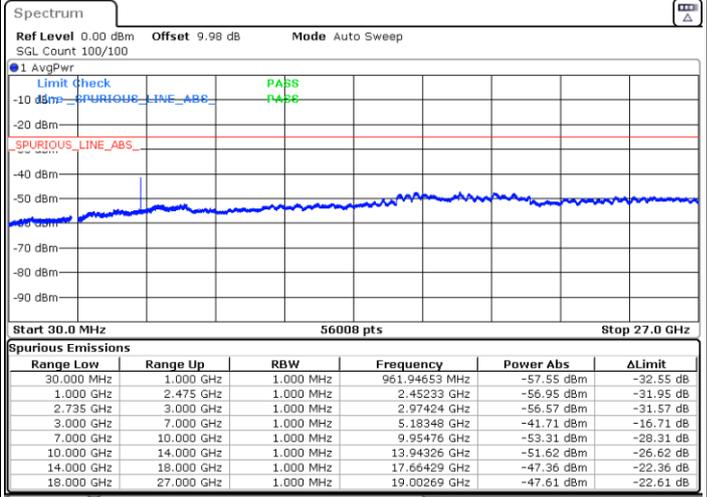
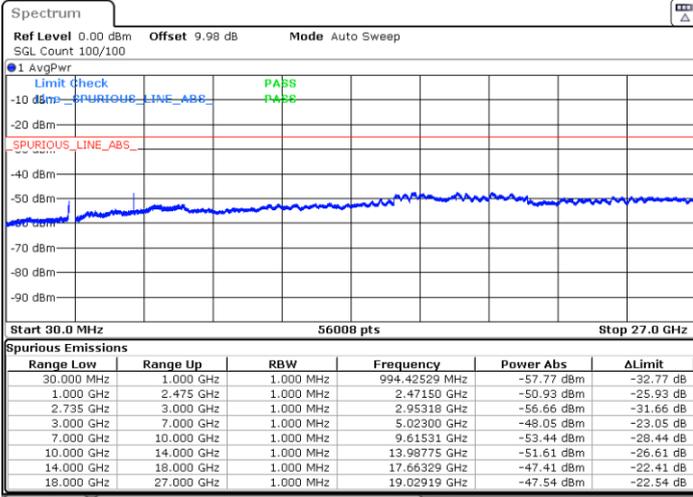
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LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

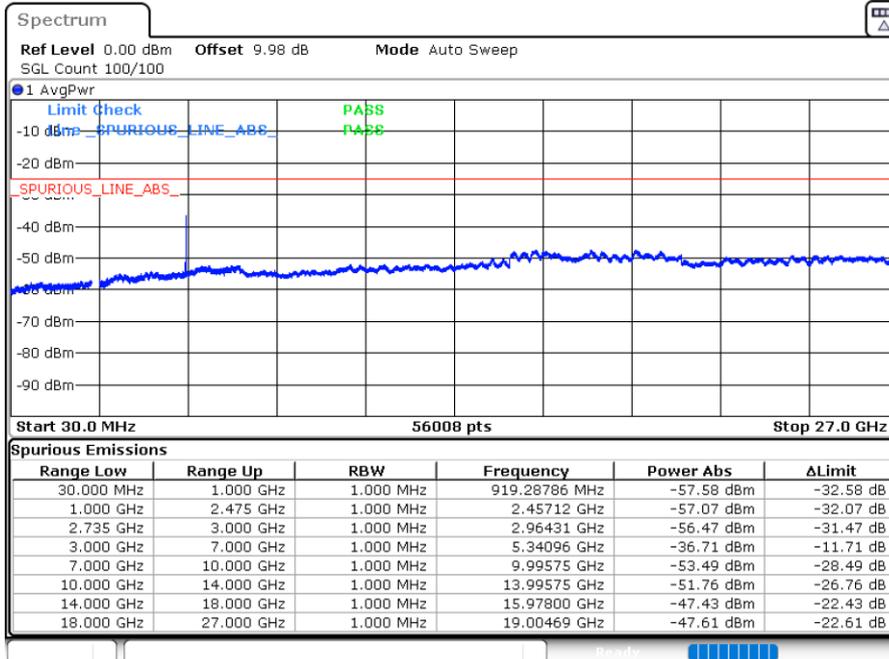
Middle Channel / QPSK



Date: 1.MAR.2025 14:54:33

Date: 1.MAR.2025 15:15:56

Highest Channel / QPSK



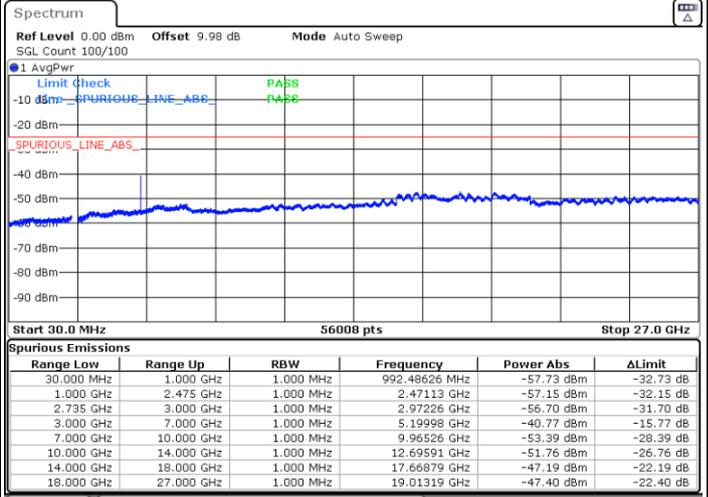
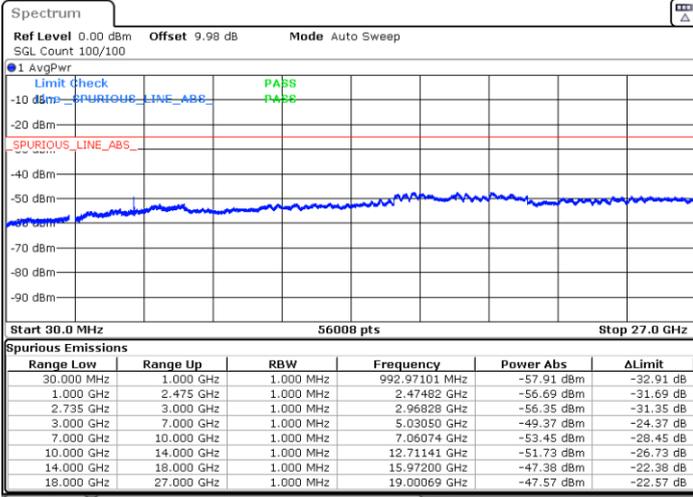
Date: 1.MAR.2025 15:17:30



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

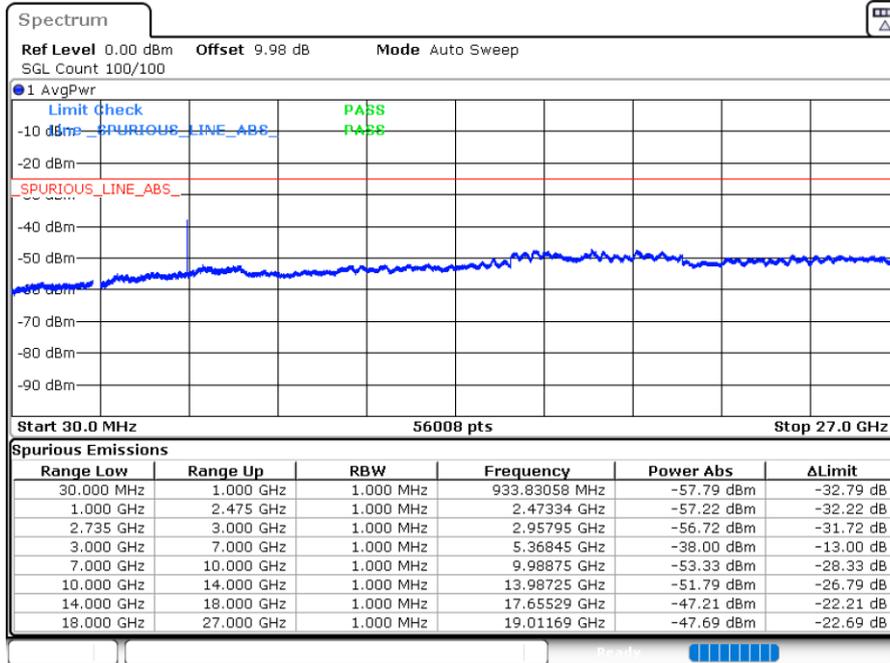
Middle Channel / QPSK



Date: 1.MAR.2025 15:30:34

Date: 1.MAR.2025 15:39:15

Highest Channel / QPSK



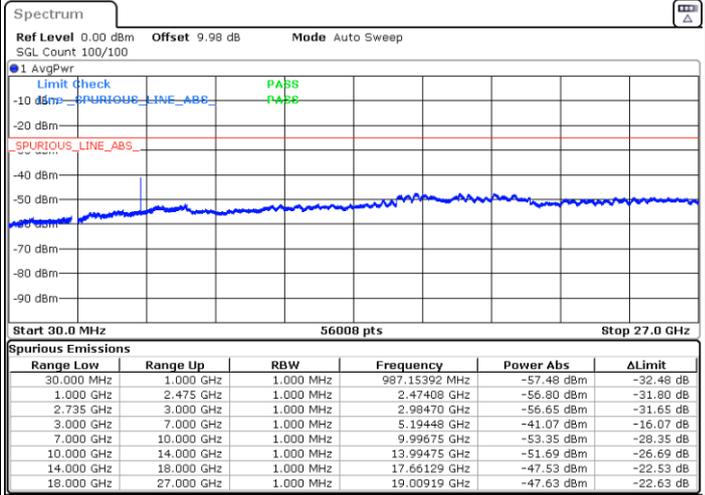
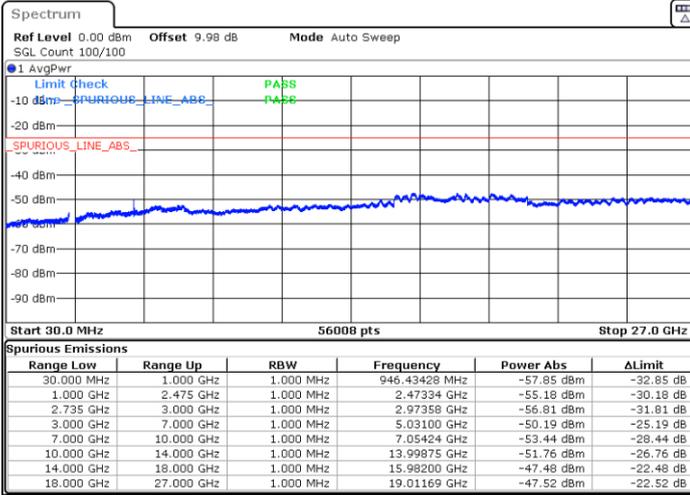
Date: 1.MAR.2025 15:40:48



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

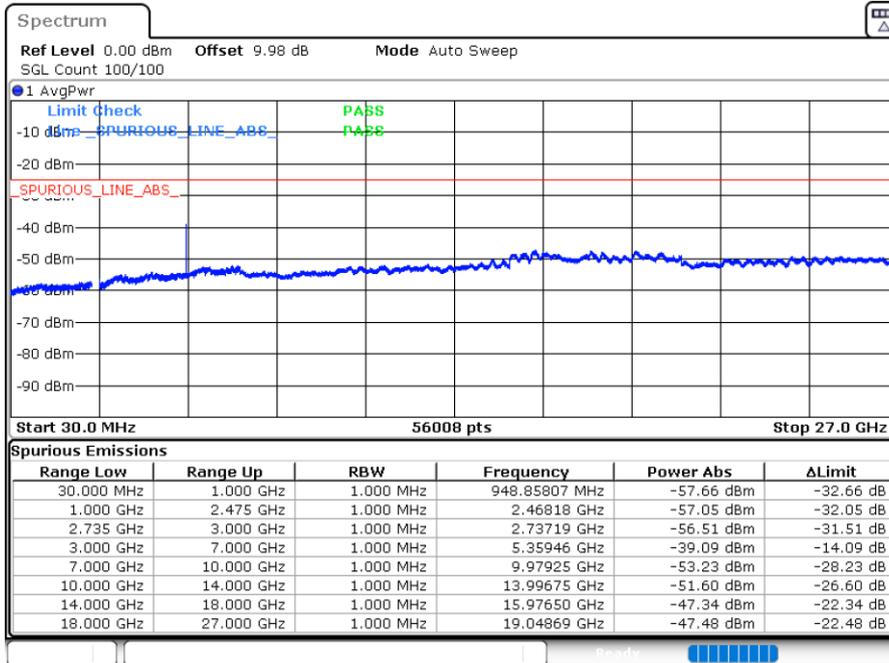
Middle Channel / QPSK



Date: 1.MAR.2025 15:49:29

Date: 1.MAR.2025 15:58:11

Highest Channel / QPSK



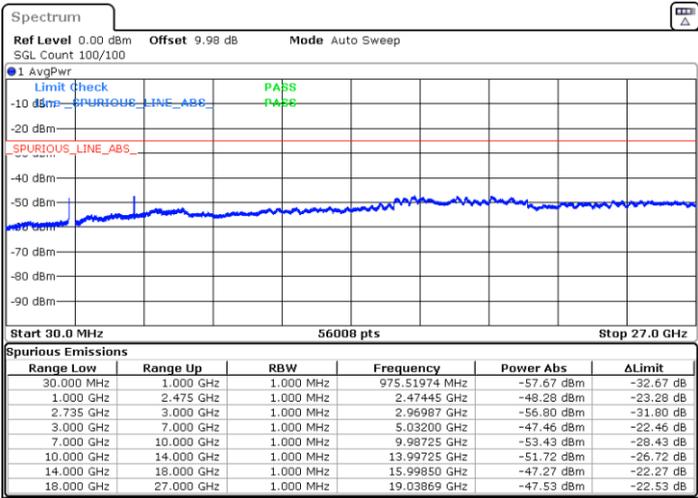
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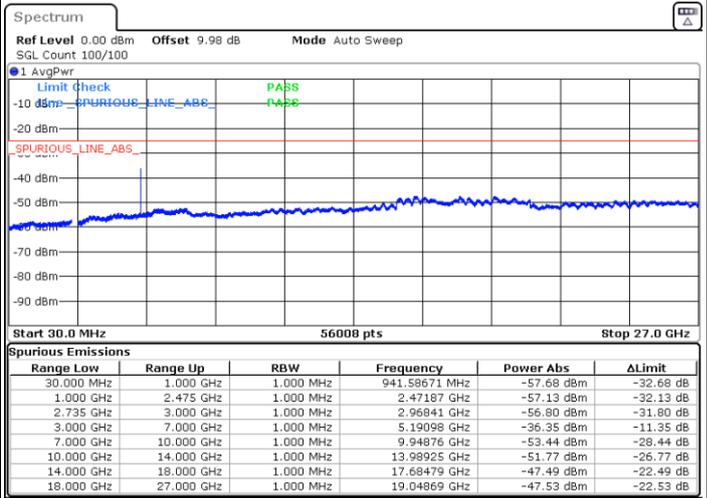
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

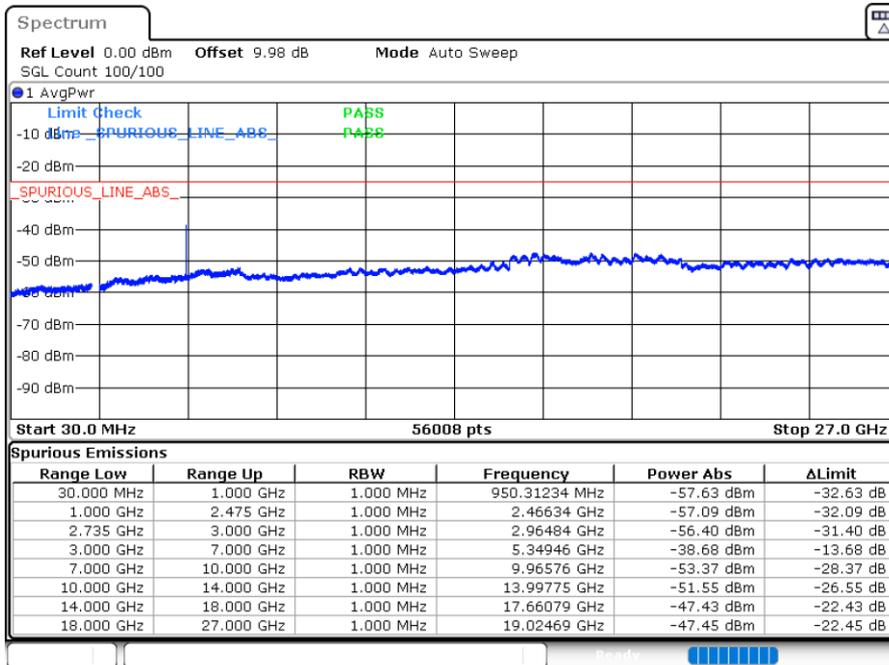


Date: 1.MAR.2025 16:13:17



Date: 1.MAR.2025 16:21:59

Highest Channel / QPSK



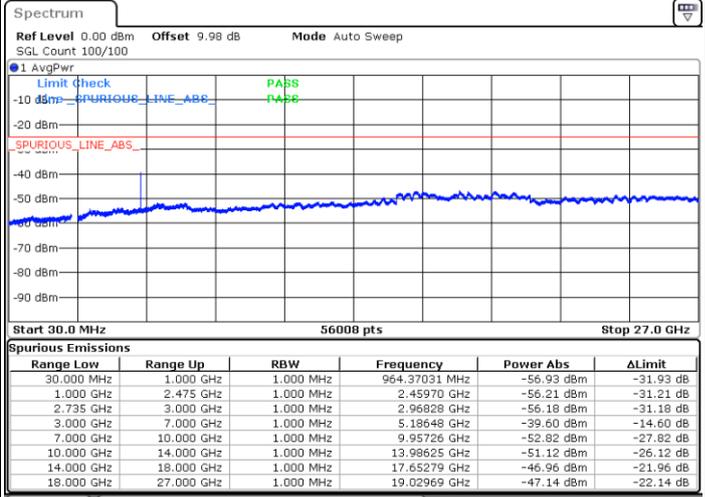
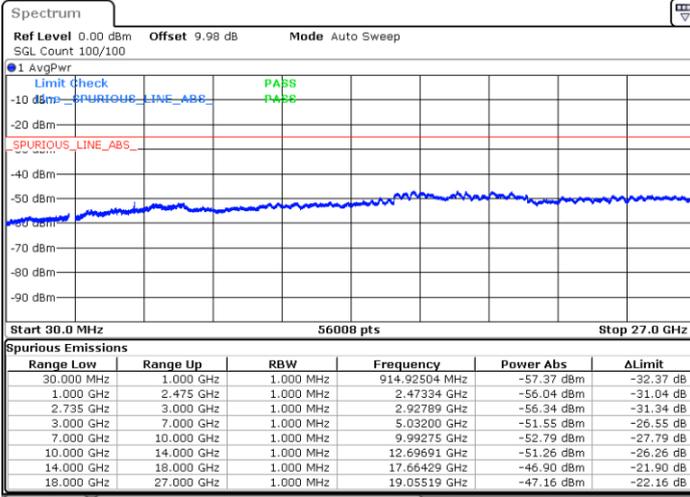
Date: 1.MAR.2025 16:33:46



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

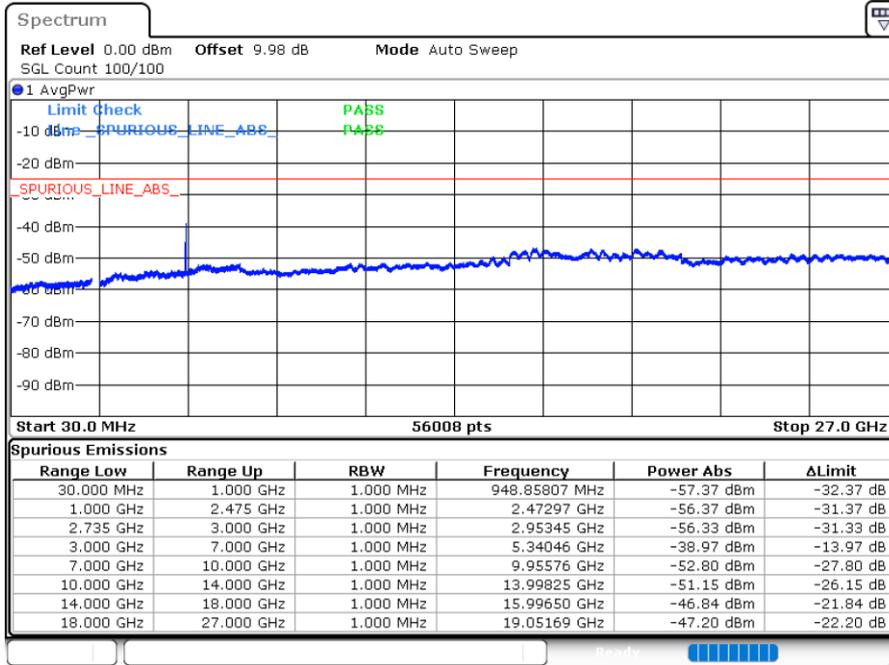
Middle Channel / QPSK



Date: 2.MAR.2025 08:21:46

Date: 2.MAR.2025 08:59:17

Highest Channel / QPSK



Date: 2.MAR.2025 09:00:50



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	0.0012	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0047	
-30	Normal Voltage	0.0053	
20	Maximum Voltage	0.0049	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 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 :	LiangPingZhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 41 / 1.4MHz / QPSK / ANT4									
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	5168.00	-59.86	-25	-34.86	-81.68	-65.42	7.14	12.70	H
	7752.00	-54.39	-25	-29.39	-81.18	-57.69	8.30	11.60	H
	10336.00	-51.05	-25	-26.05	-82.18	-52.57	10.48	12.00	H
	5168.00	-55.13	-25	-30.13	-77.22	-60.69	7.14	12.70	V
	7752.00	-52.29	-25	-27.29	-78.93	-55.59	8.30	11.60	V
	10336.00	-49.77	-25	-24.77	-79.99	-51.29	10.48	12.00	V

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

DC_41A_n78A / 20MHz / QPSK / ANT(7+3) Other PA									
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)
LTE Band41 Middle	5168.00	-58.29	-25	-33.29	-80.11	-63.85	7.14	12.70	H
	7752.00	-55.53	-25	-30.53	-61.77	-58.83	8.30	11.60	H
	10336.00	-55.57	-25	-30.57	-67.17	-57.09	10.48	12.00	H
	5168.00	-46.27	-25	-21.27	-68.36	-51.83	7.14	12.70	V
	7752.00	-49.03	-25	-24.03	-55.12	-52.33	8.30	11.60	V
	10336.00	-49.68	-25	-24.68	-60.37	-51.20	10.48	12.00	V
NR n78 Middle	7404.00	-58.26	-13	-45.26	-64.52	-61.56	8.30	11.60	H
	11106.00	-53.99	-13	-40.99	-68.19	-55.51	10.48	12.00	H
	14808.00	-49.46	-13	-36.46	-66.88	-51.16	11.80	13.50	H
	7404.00	-54.98	-13	-41.98	-61.26	-58.28	8.30	11.60	V
	11106.00	-54.09	-13	-41.09	-68	-55.61	10.48	12.00	V
	14808.00	-50.45	-13	-37.45	-67.32	-52.15	11.80	13.50	V

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



LTE CA_41C / 20MHz + 20MHz / QPSK / ANT4									
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	5186.00	-60.63	-25	-35.63	-82.43	-66.19	7.14	12.70	H
	7779.00	-54.94	-25	-29.94	-81.77	-58.24	8.30	11.60	H
	10372.00	-51.00	-25	-26.00	-82.08	-52.52	10.48	12.00	H
	5186.00	-60.06	-25	-35.06	-82.15	-65.62	7.14	12.70	V
	7779.00	-54.92	-25	-29.92	-81.58	-58.22	8.30	11.60	V
	10372.00	-51.96	-25	-26.96	-82.21	-53.48	10.48	12.00	V

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