

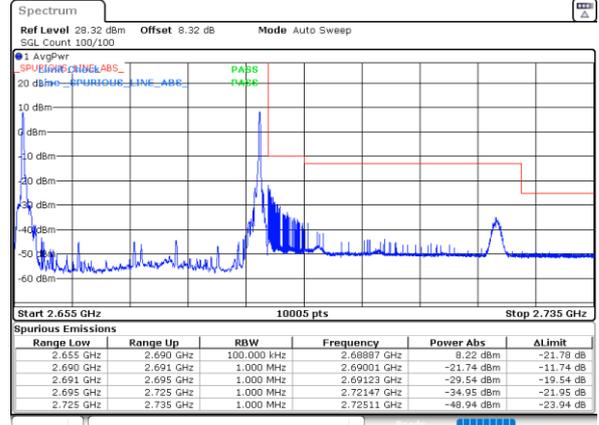
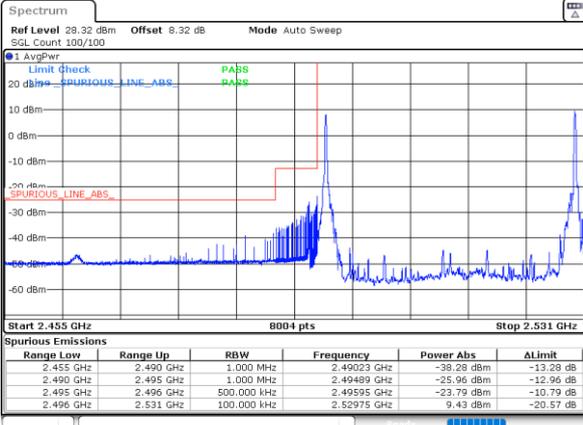


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

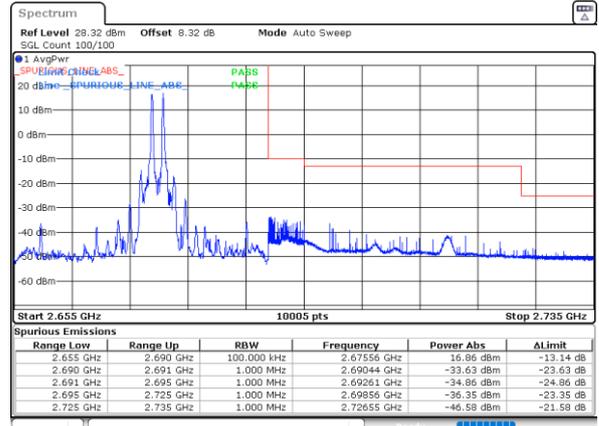
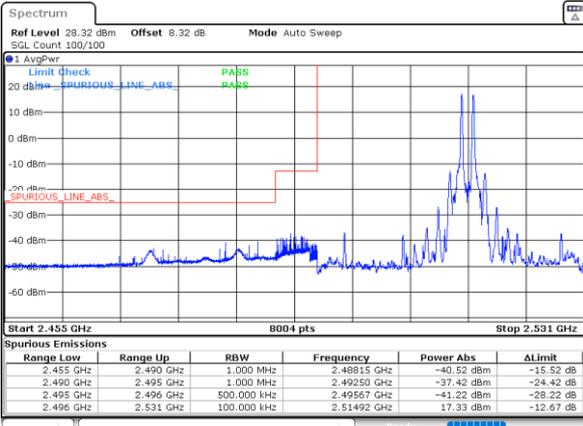


Date: 4.MAR.2025 07:12:46

Date: 4.MAR.2025 07:13:45

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

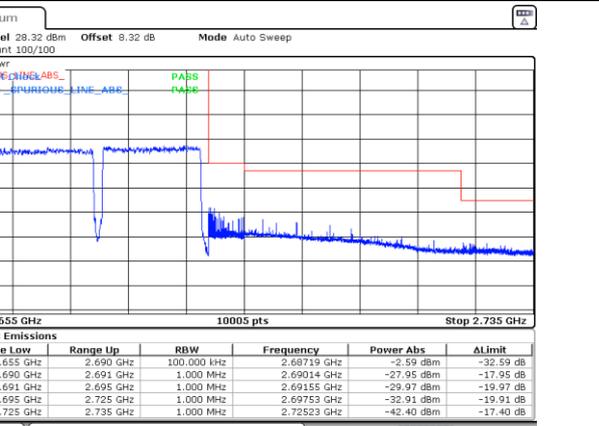
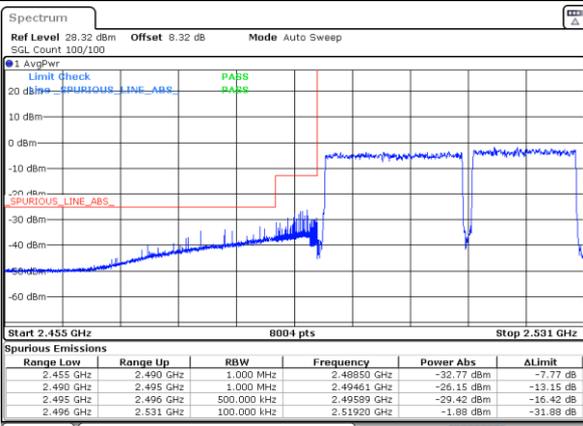


Date: 4.MAR.2025 07:07:41

Date: 4.MAR.2025 07:29:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.MAR.2025 07:17:49

Date: 4.MAR.2025 07:39:50

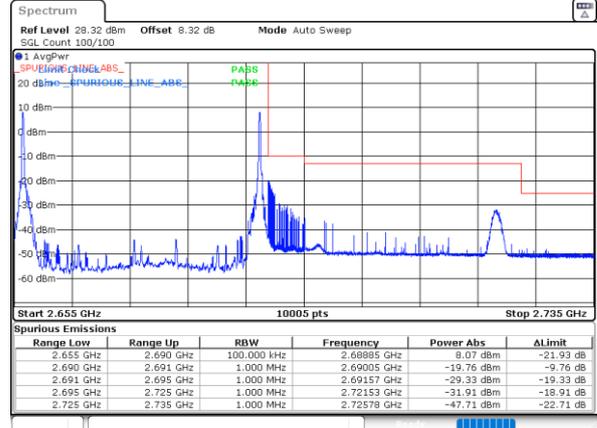
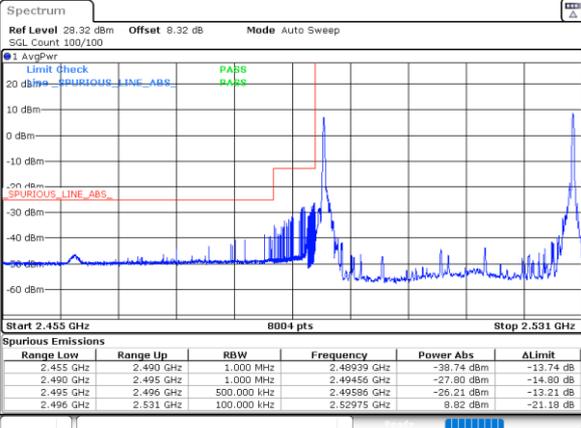


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

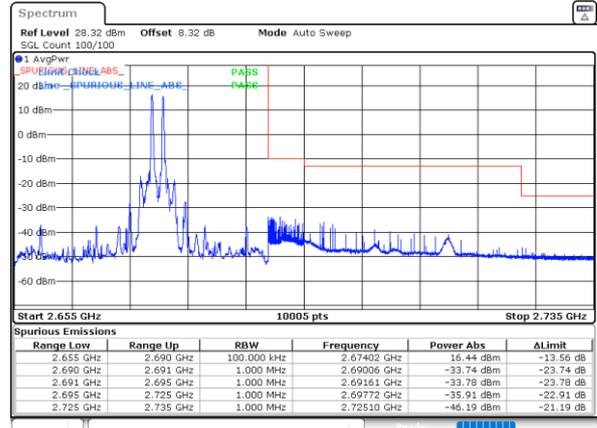
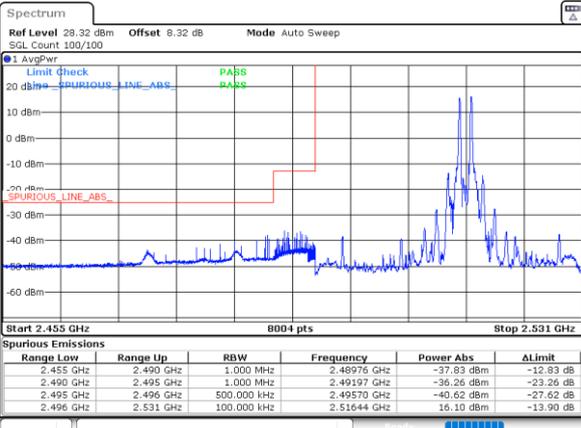


Date: 4.MAR.2025 07:14:02

Date: 4.MAR.2025 07:36:03

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

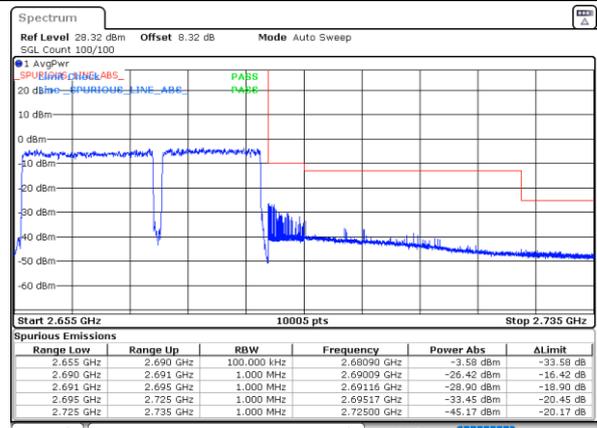
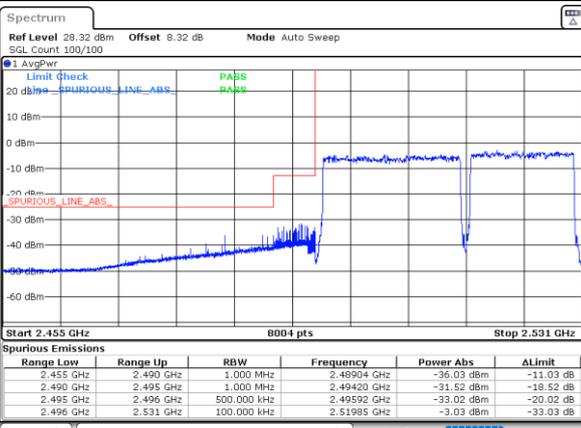


Date: 4.MAR.2025 07:08:57

Date: 4.MAR.2025 07:30:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.MAR.2025 07:19:05

Date: 4.MAR.2025 07:41:06

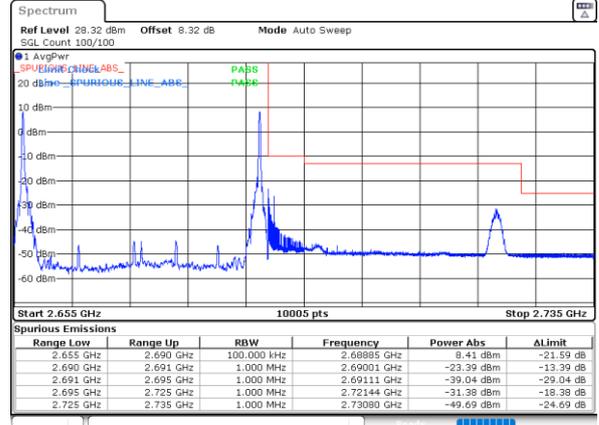
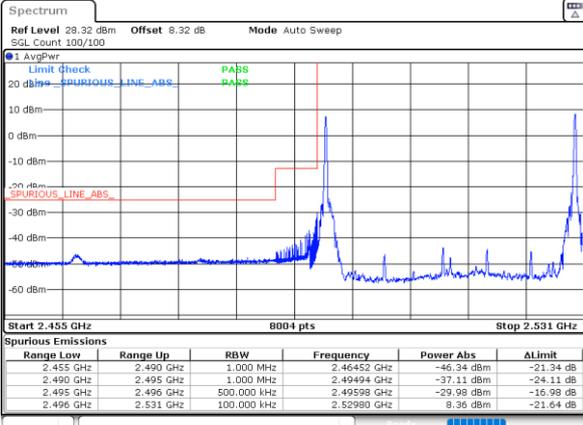


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

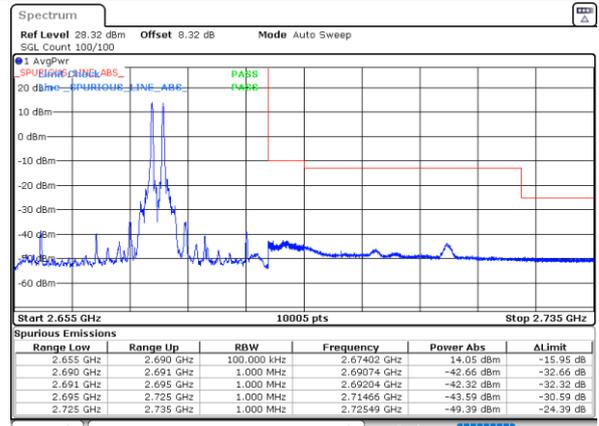
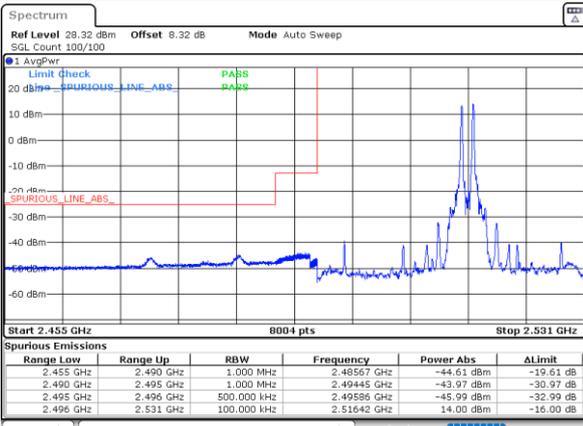


Date: 4.MAR.2025 07:15:18

Date: 4.MAR.2025 07:37:17

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

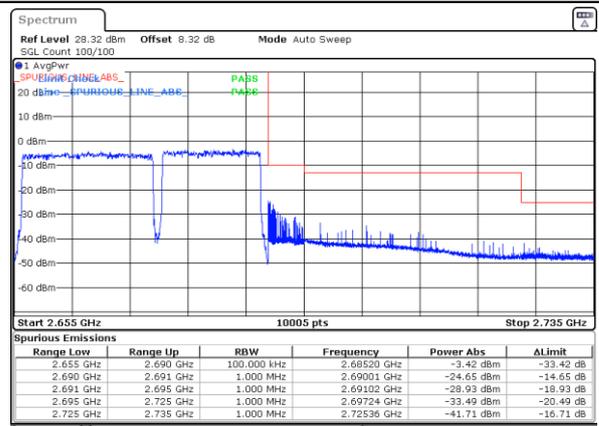
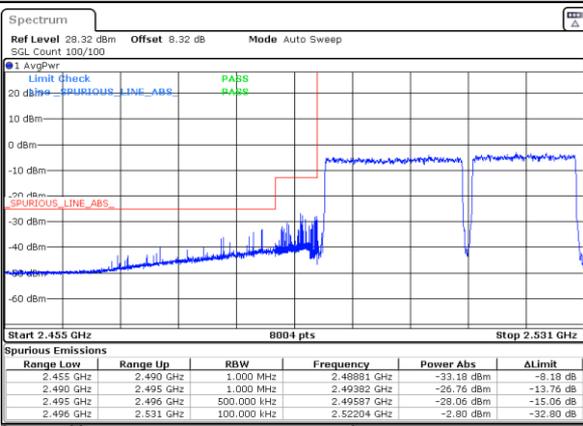


Date: 4.MAR.2025 07:10:13

Date: 4.MAR.2025 07:32:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.MAR.2025 07:20:22

Date: 4.MAR.2025 07:42:22

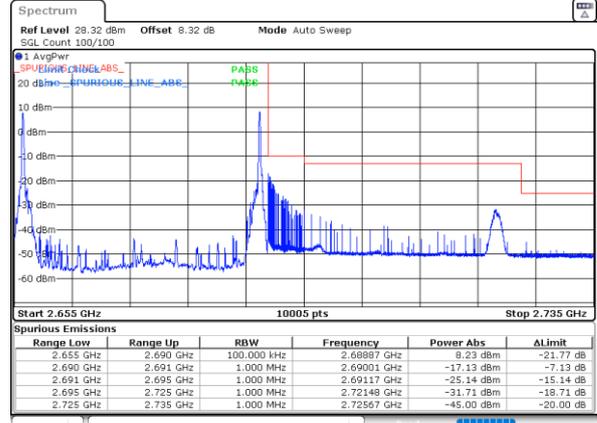
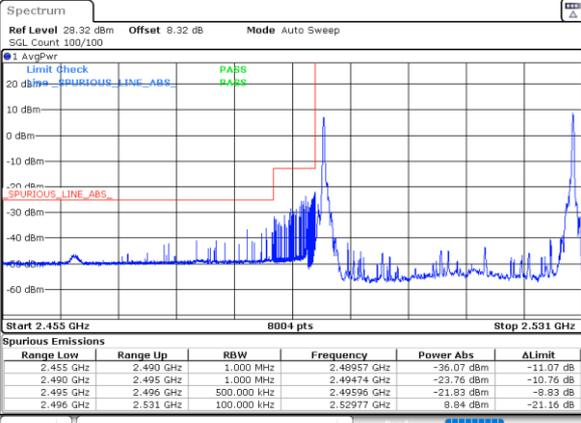


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

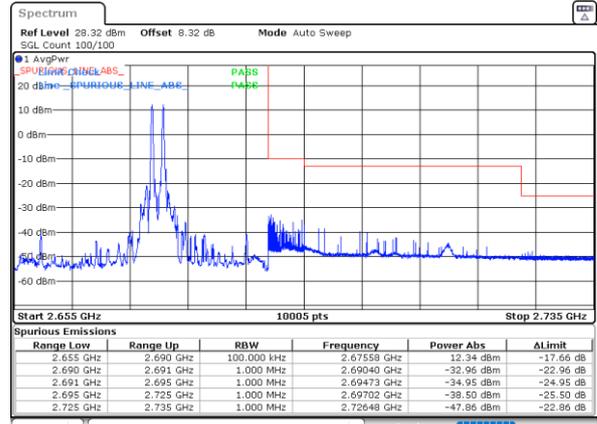
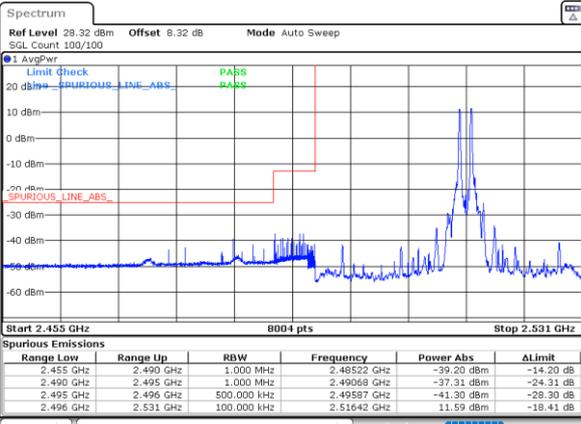


Date: 4.MAR.2025 07:16:33

Date: 4.MAR.2025 07:13:33

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

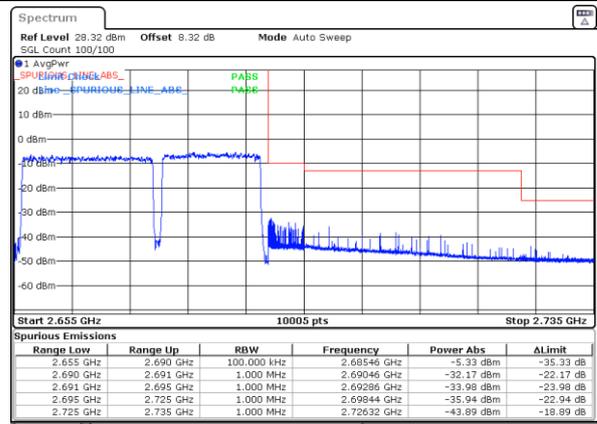
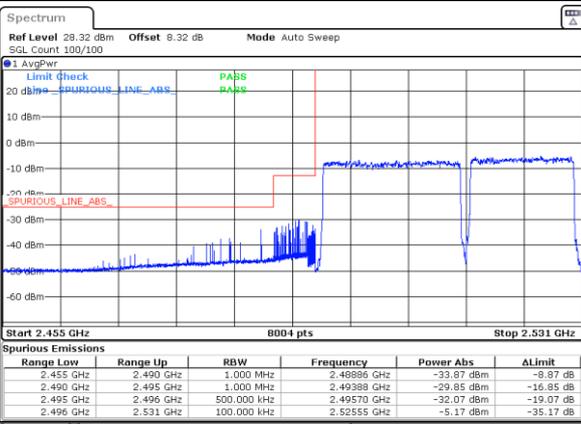


Date: 4.MAR.2025 07:11:30

Date: 4.MAR.2025 07:13:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.MAR.2025 07:21:37

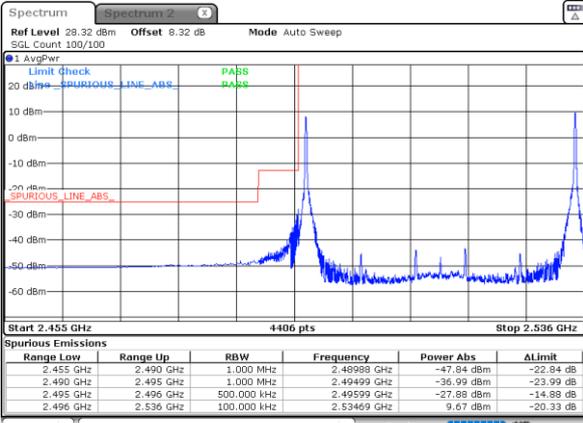
Date: 4.MAR.2025 07:43:39



LTE Band 41C / 20MHz+20MHz

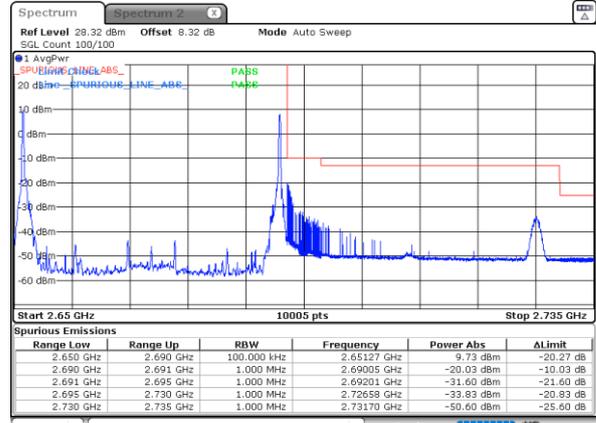
QPSK

Lowest Band Edge / 1RB0 and 1RB9



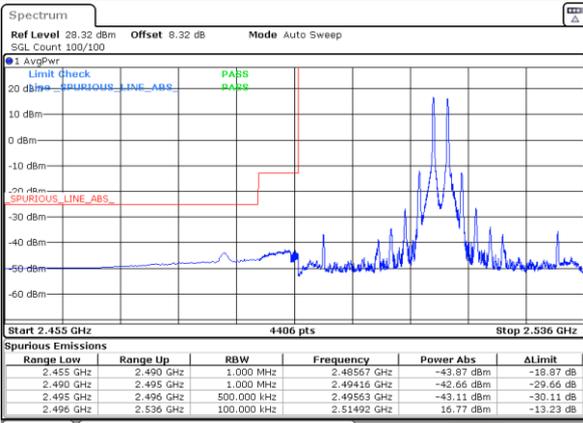
Date: 4.MAR.2025 20:59:42

Highest Band Edge / 1RB0 and 1RB9



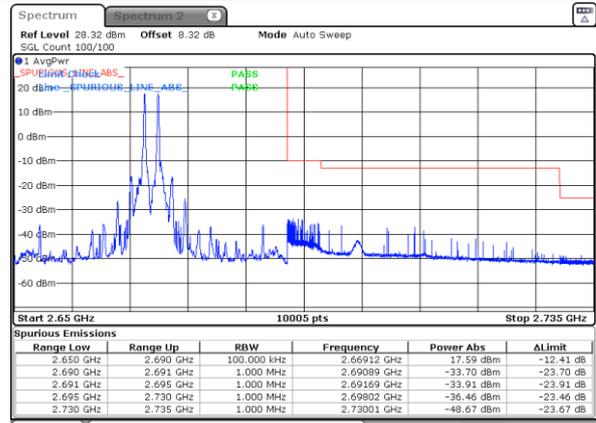
Date: 4.MAR.2025 21:26:10

Lowest Band Edge / 1RB99 and 1RB0



Date: 4.MAR.2025 07:46:21

Highest Band Edge / 1RB99 and 1RB0



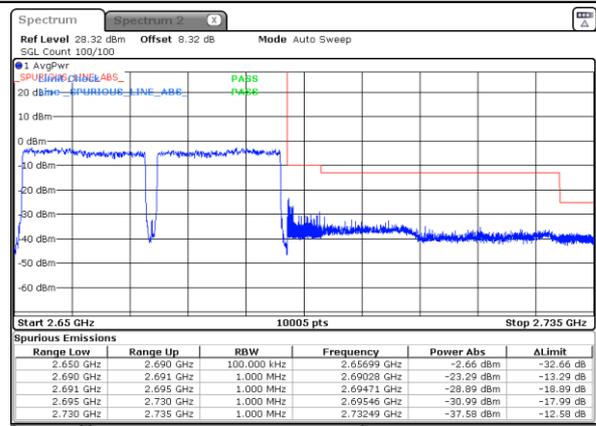
Date: 4.MAR.2025 21:21:12

Lowest Band Edge / Full RB



Date: 4.MAR.2025 21:04:42

Highest Band Edge / Full RB



Date: 4.MAR.2025 21:31:09

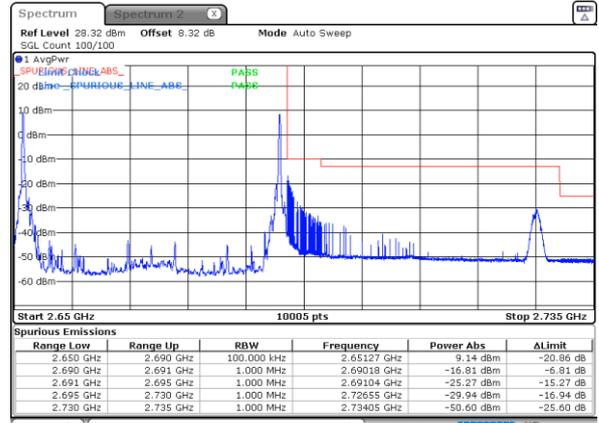
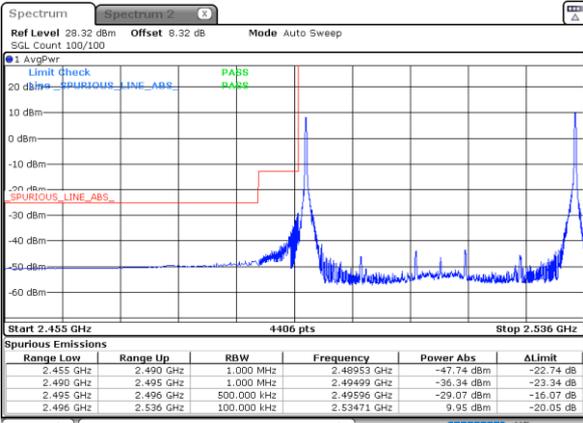


LTE Band 41C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

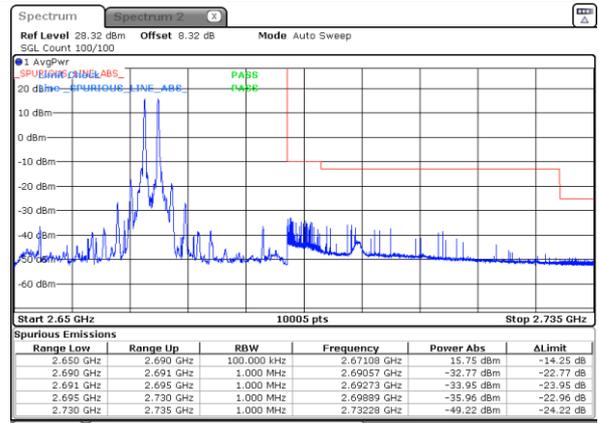
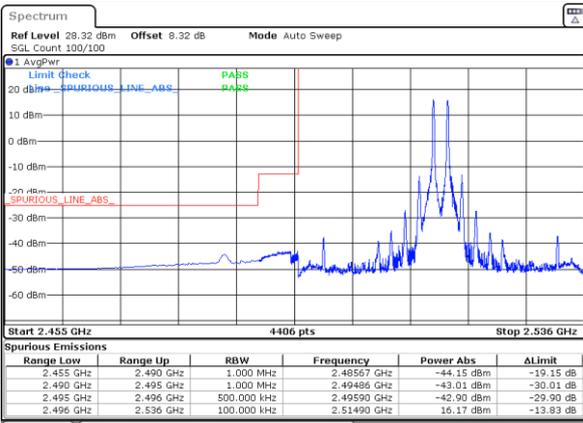


Date: 4.MAR.2025 21:00:57

Date: 4.MAR.2025 21:27:25

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

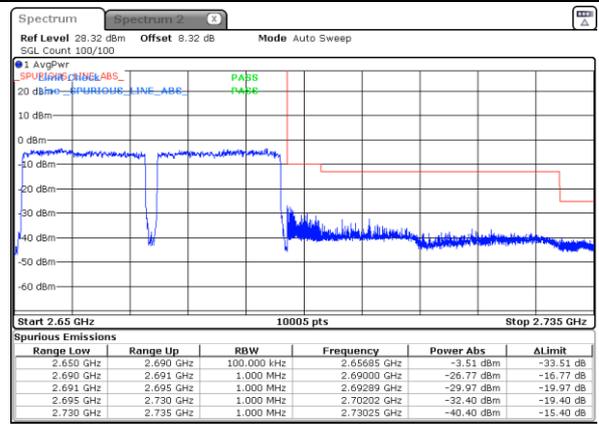


Date: 4.MAR.2025 07:47:37

Date: 4.MAR.2025 21:22:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.MAR.2025 21:05:56

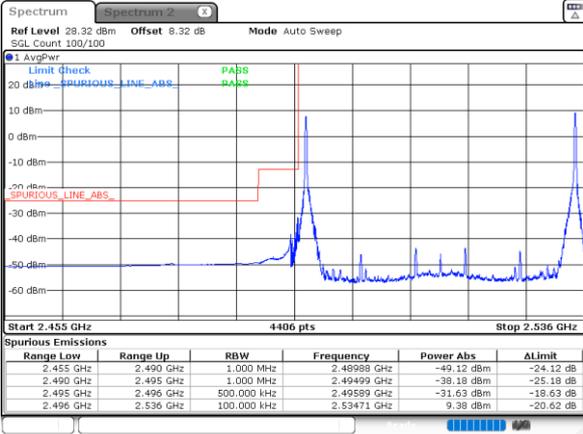
Date: 4.MAR.2025 21:32:23



LTE Band 41C / 20MHz+20MHz

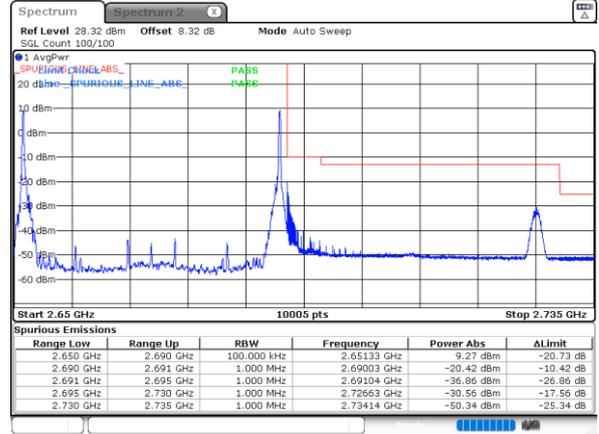
64QAM

Lowest Band Edge / 1RB0 and 1RB9



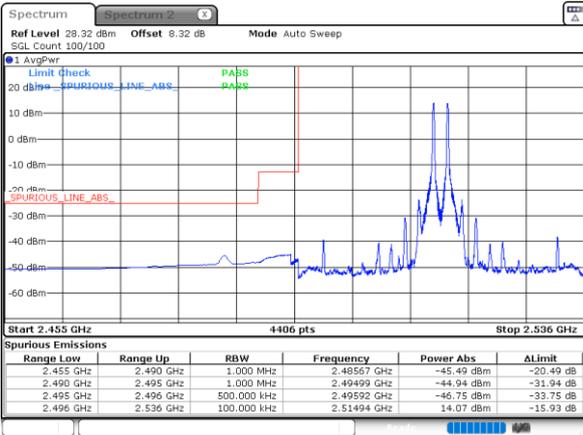
Date: 4.MAR.2025 21:02:12

Highest Band Edge / 1RB0 and 1RB9



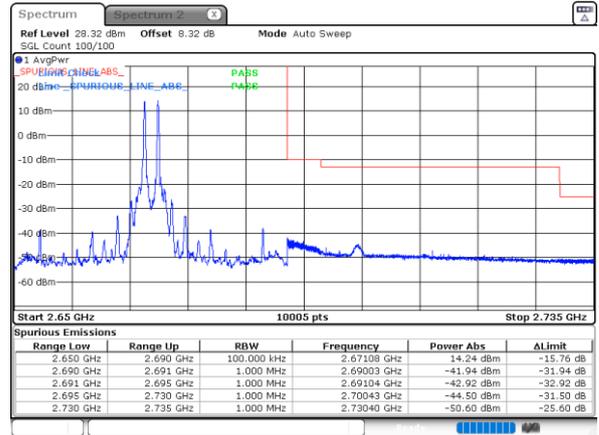
Date: 4.MAR.2025 21:28:39

Lowest Band Edge / 1RB99 and 1RB0



Date: 4.MAR.2025 20:57:13

Highest Band Edge / 1RB99 and 1RB0



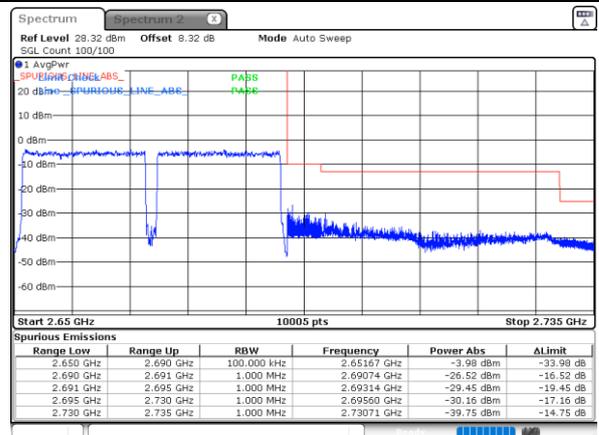
Date: 4.MAR.2025 21:23:41

Lowest Band Edge / Full RB



Date: 4.MAR.2025 21:07:11

Highest Band Edge / Full RB



Date: 4.MAR.2025 21:33:37

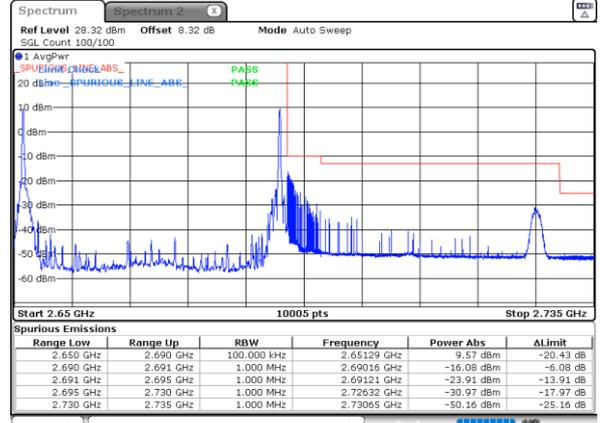
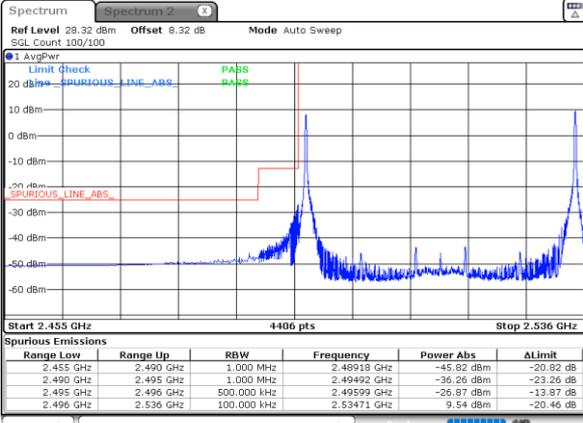


LTE Band 41C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

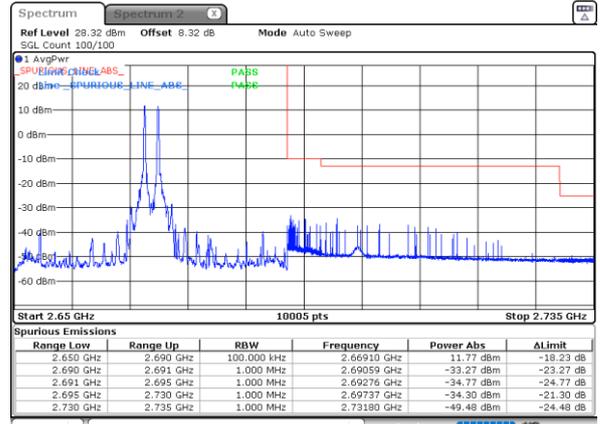
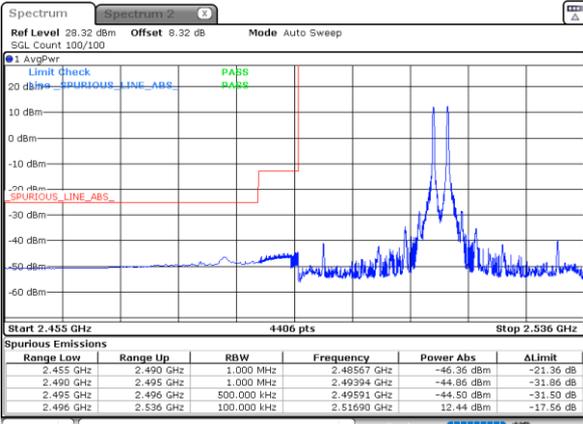


Date: 4.MAR.2025 21:03:27

Date: 4.MAR.2025 21:29:54

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

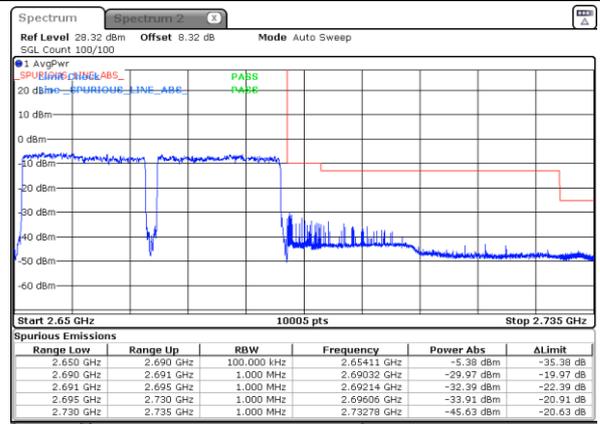


Date: 4.MAR.2025 20:58:27

Date: 4.MAR.2025 21:24:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

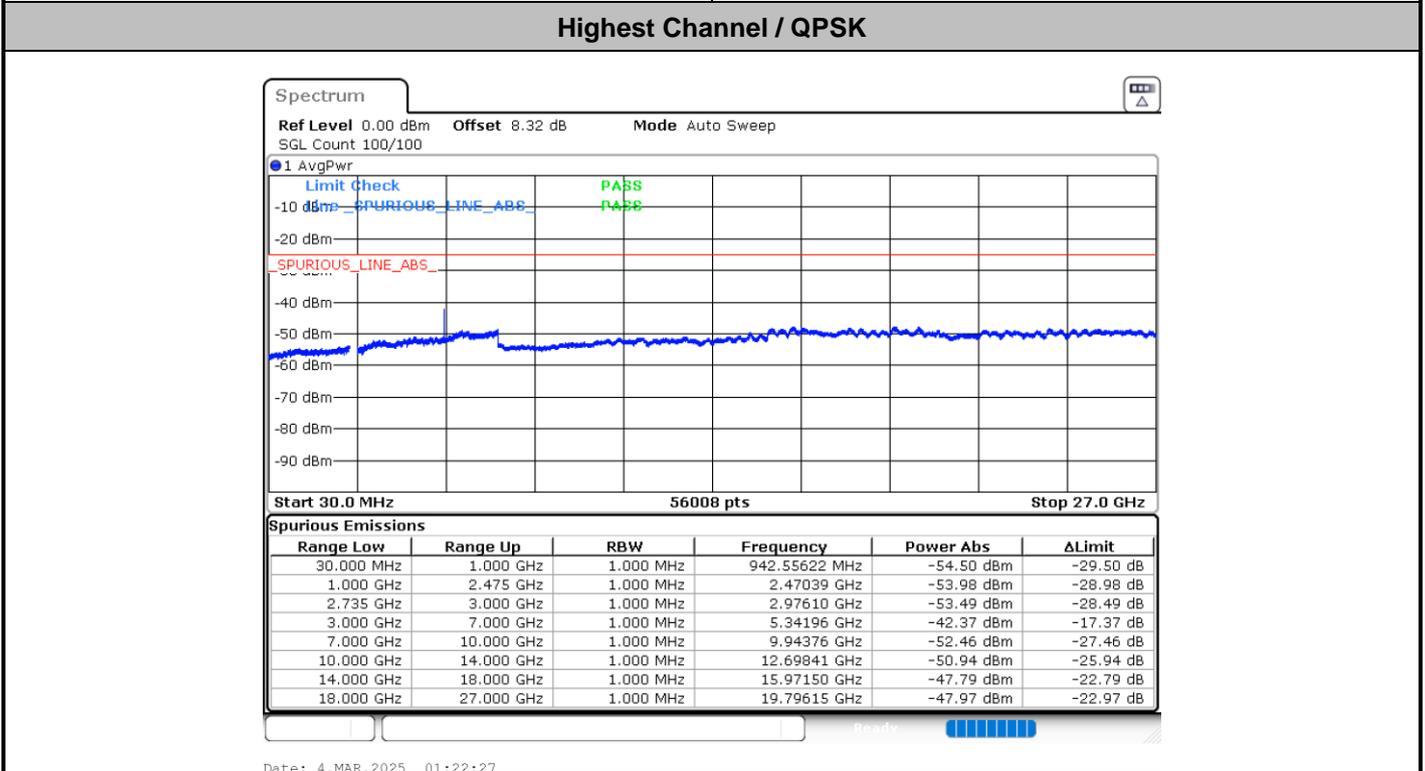
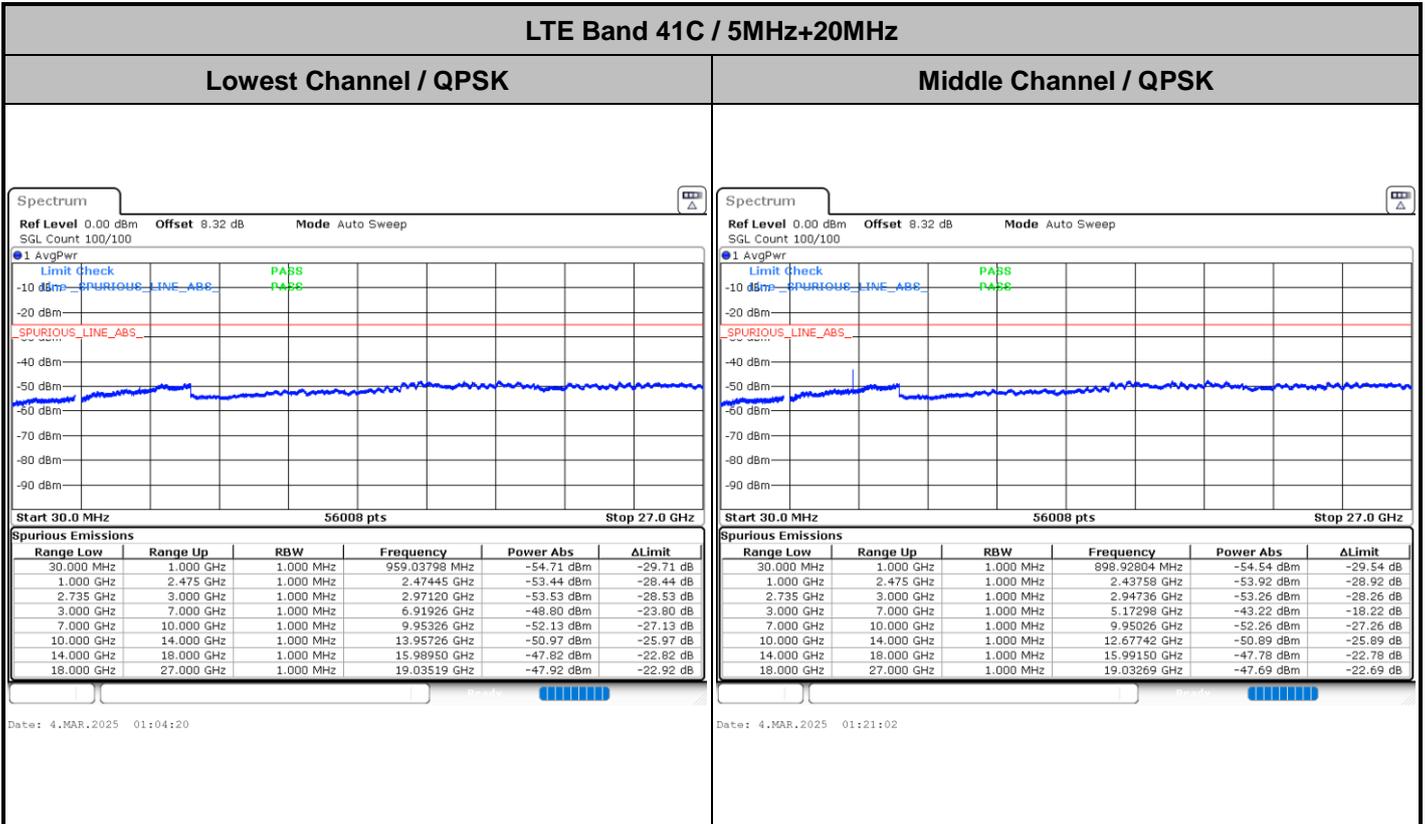


Date: 4.MAR.2025 21:08:26

Date: 4.MAR.2025 21:34:52



Conducted Spurious Emission

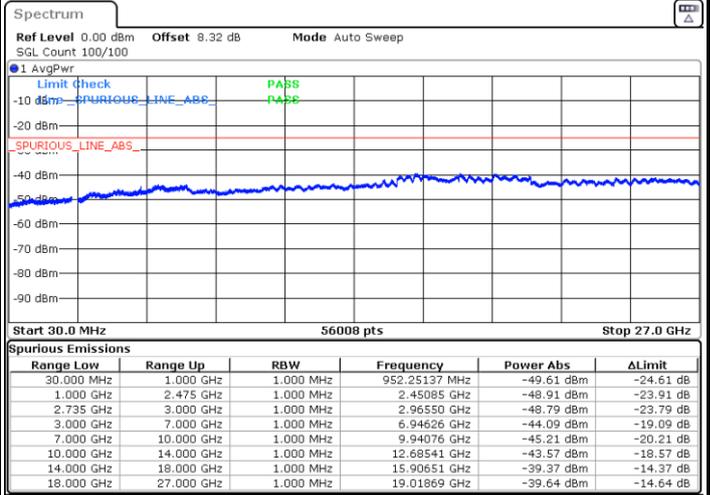
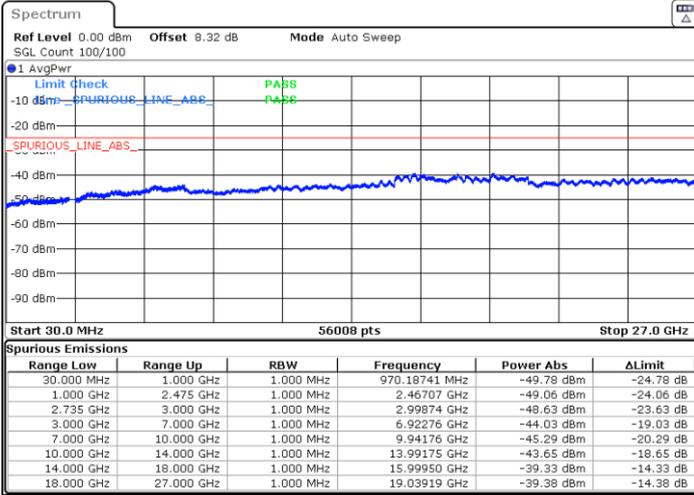




LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

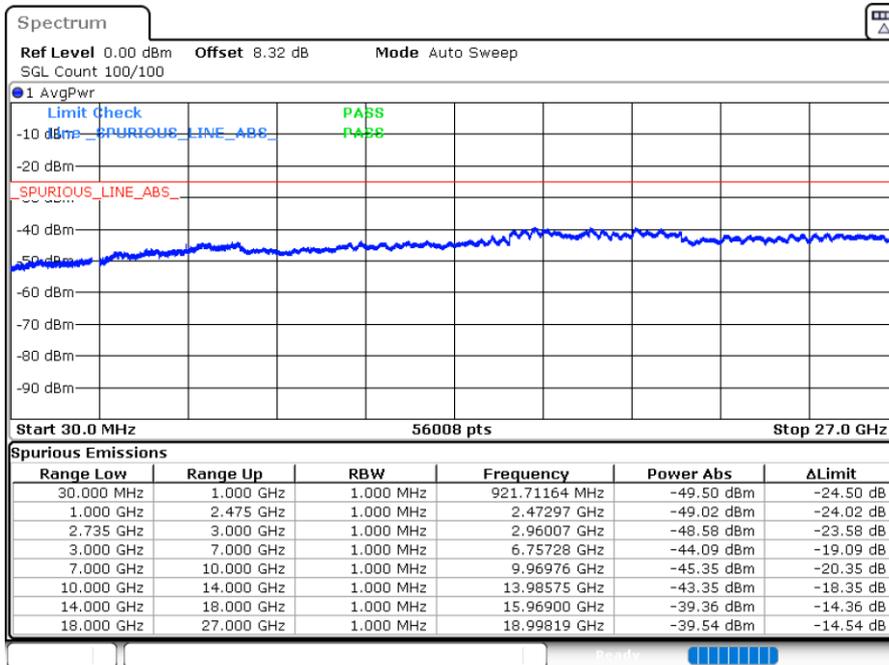
Middle Channel / QPSK



Date: 4.MAR.2025 01:38:55

Date: 4.MAR.2025 01:55:21

Highest Channel / QPSK



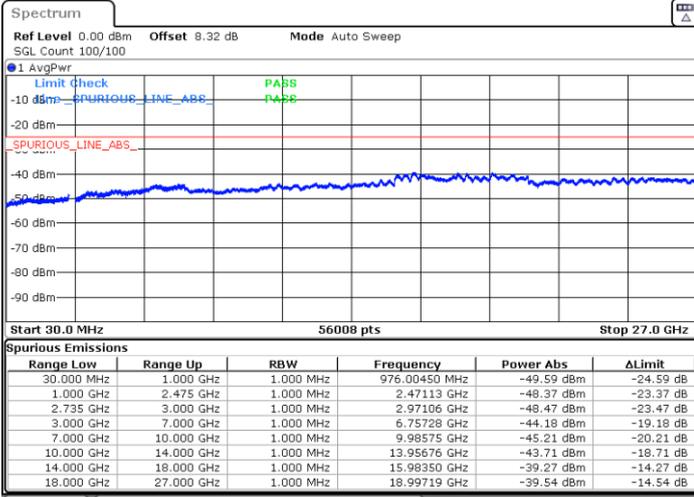
Date: 4.MAR.2025 01:56:46



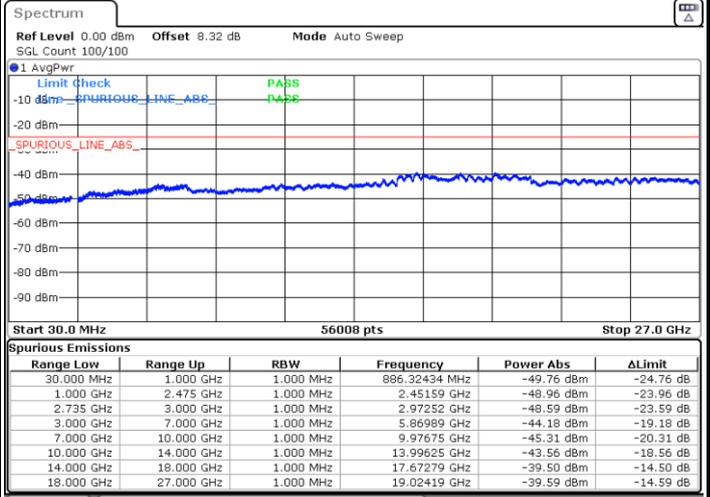
LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

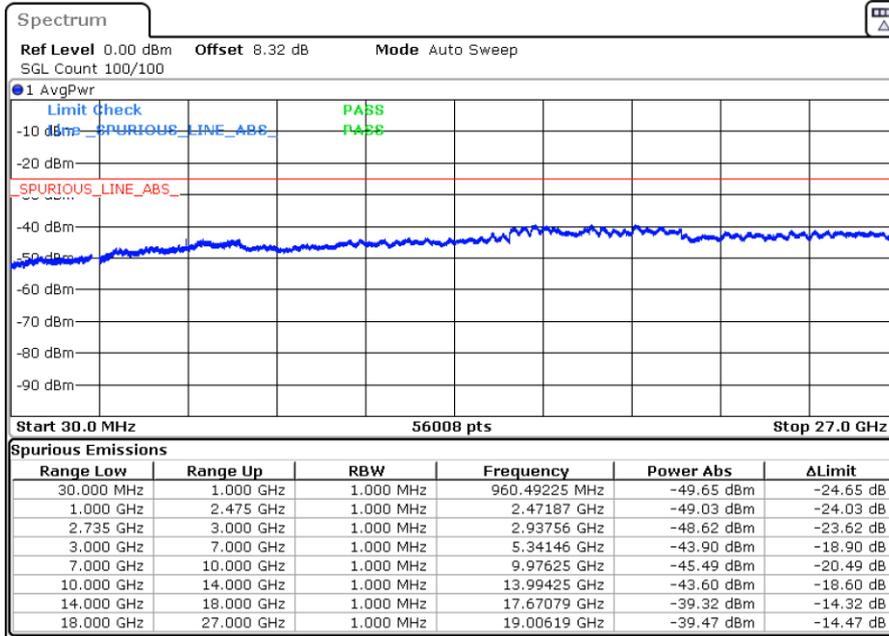


Date: 4.MAR.2025 02:13:16



Date: 4.MAR.2025 02:29:49

Highest Channel / QPSK



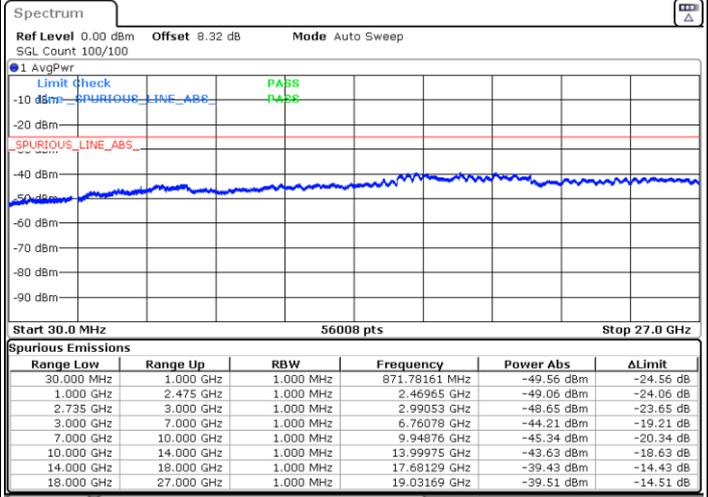
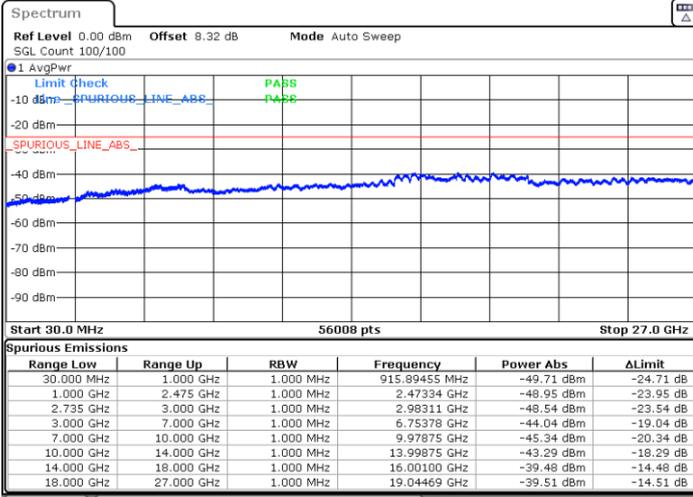
Date: 4.MAR.2025 02:32:37



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

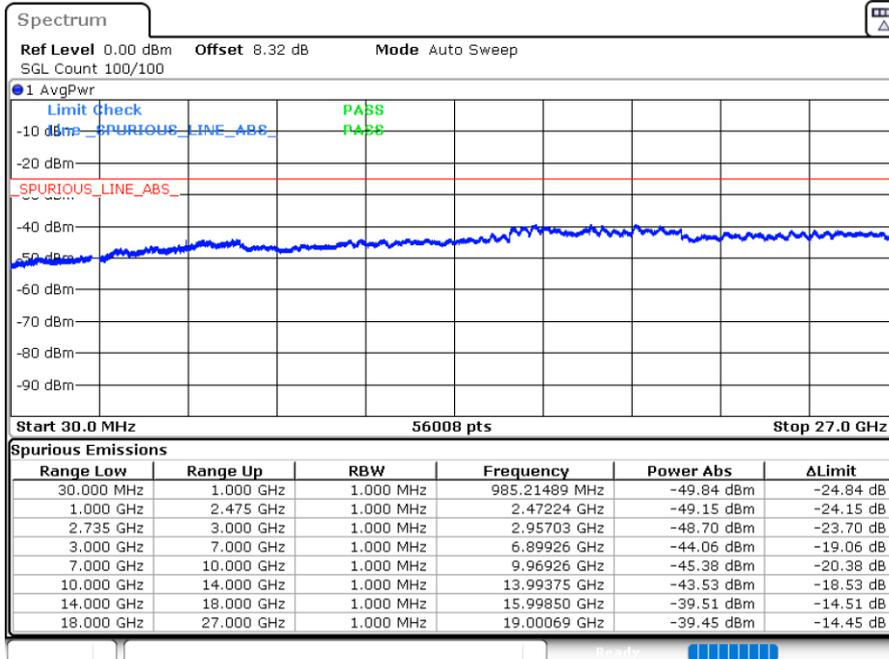
Middle Channel / QPSK



Date: 4.MAR.2025 02:59:17

Date: 4.MAR.2025 03:15:52

Highest Channel / QPSK



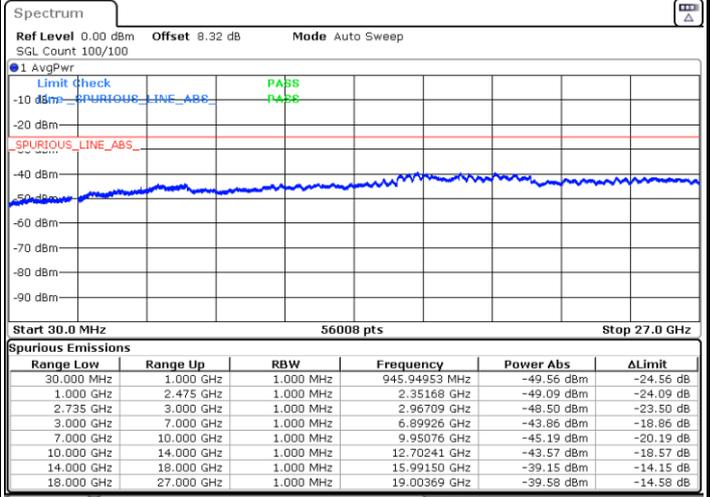
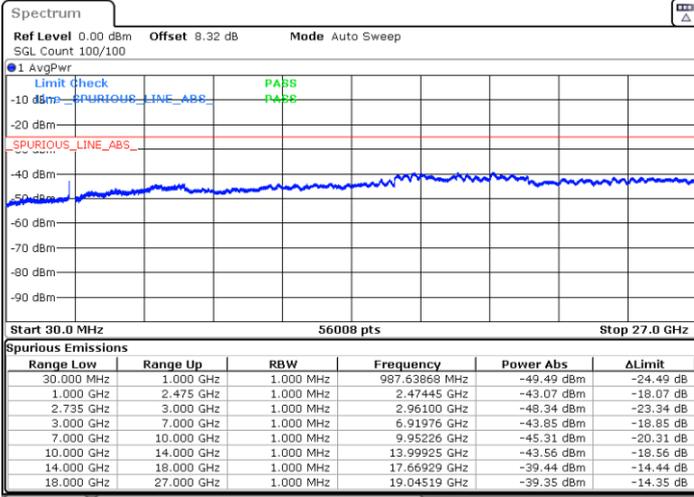
Date: 4.MAR.2025 03:24:08



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

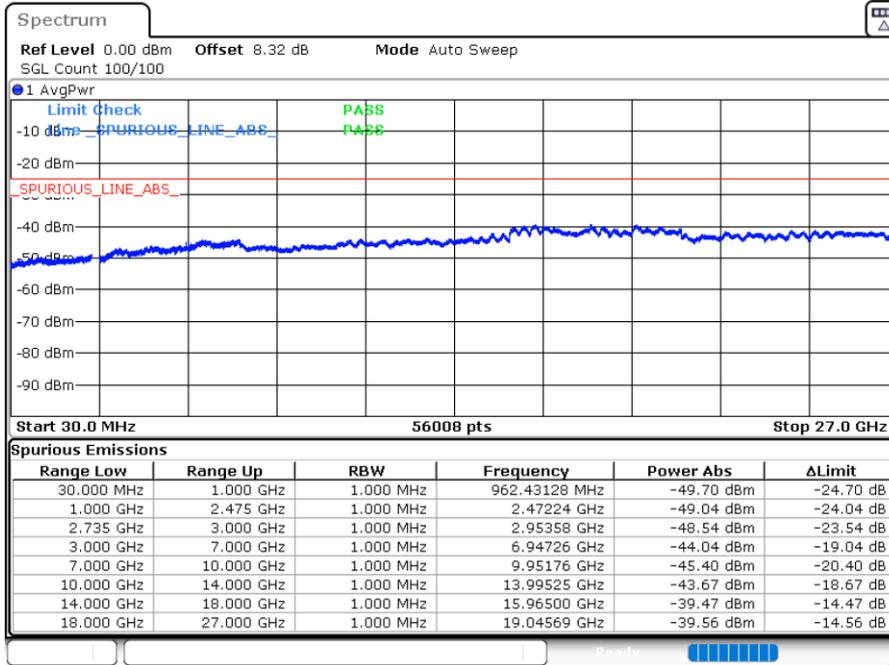
Middle Channel / QPSK



Date: 4.MAR.2025 03:55:08

Date: 4.MAR.2025 04:15:16

Highest Channel / QPSK



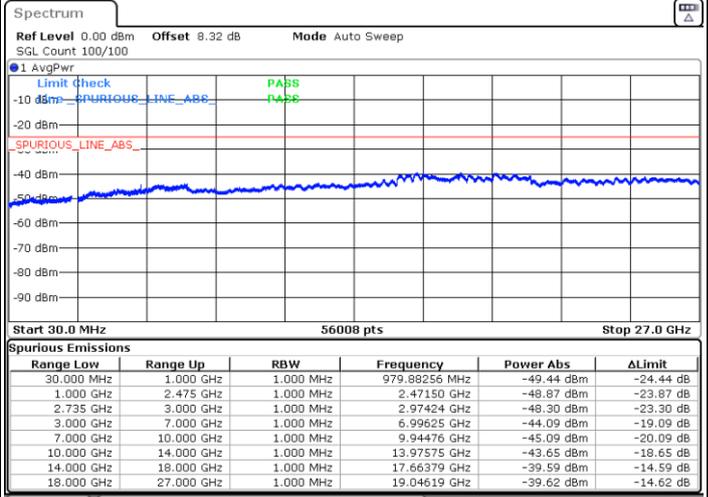
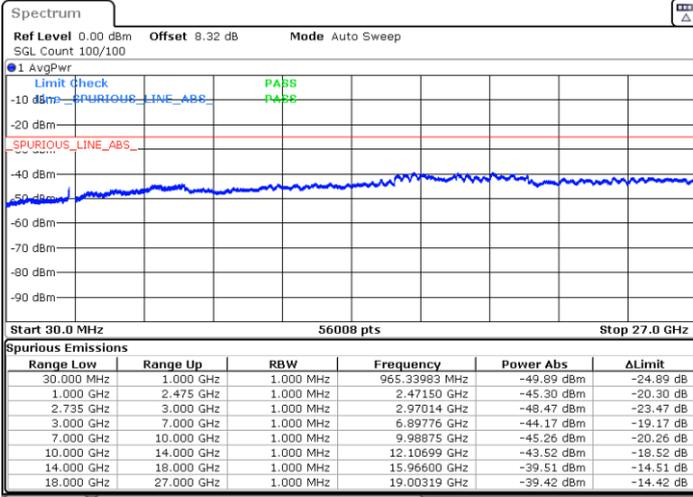
Date: 4.MAR.2025 04:21:06



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

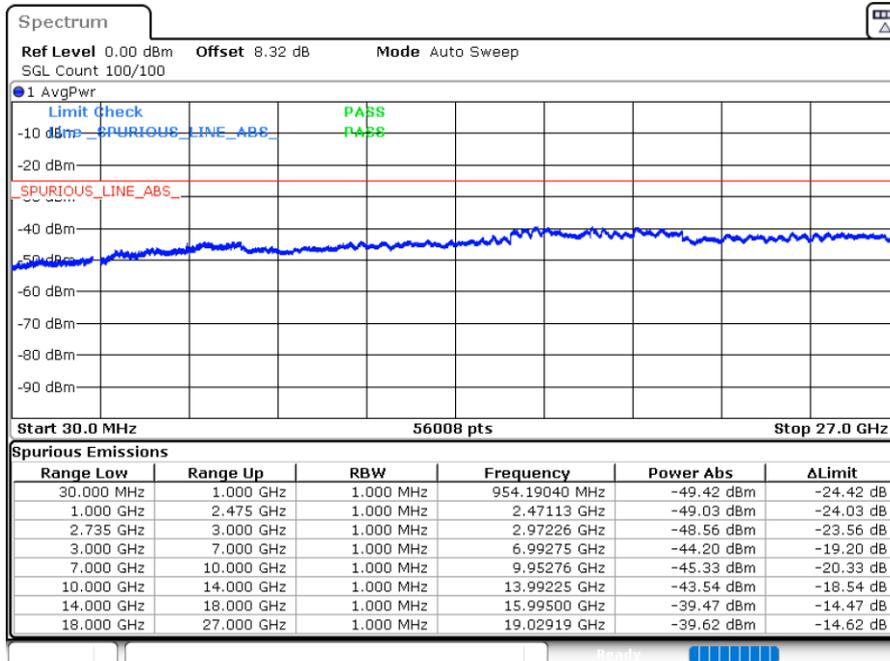
Middle Channel / QPSK



Date: 4.MAR.2025 04:37:42

Date: 4.MAR.2025 04:54:19

Highest Channel / QPSK



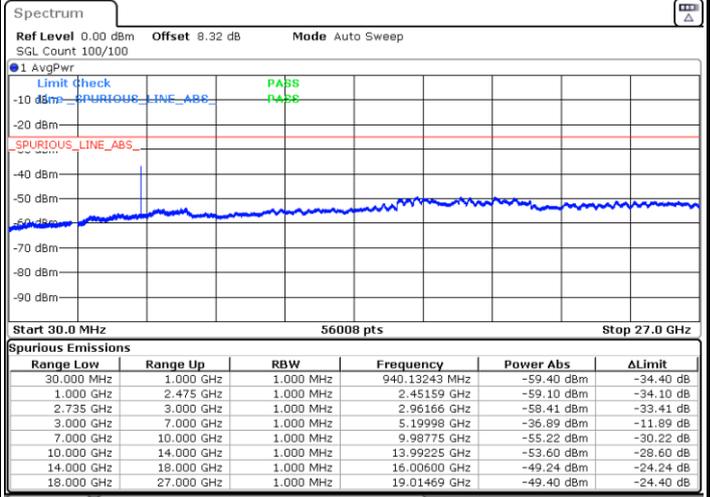
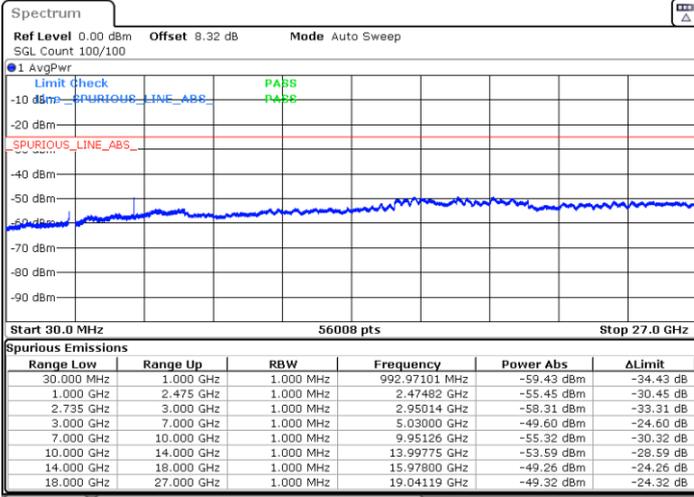
Date: 4.MAR.2025 05:09:21



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

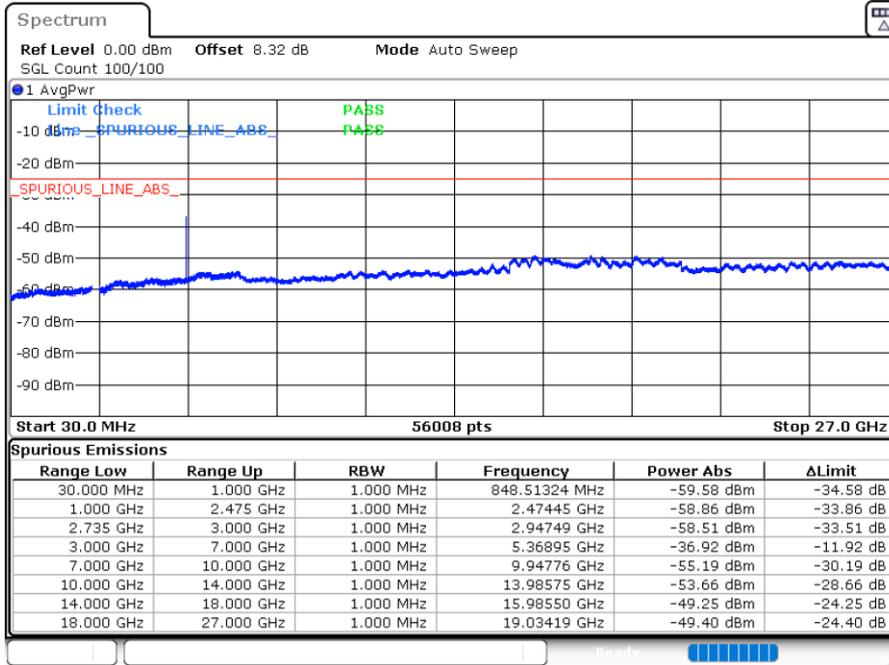
Middle Channel / QPSK



Date: 4.MAR.2025 05:25:59

Date: 4.MAR.2025 05:46:20

Highest Channel / QPSK



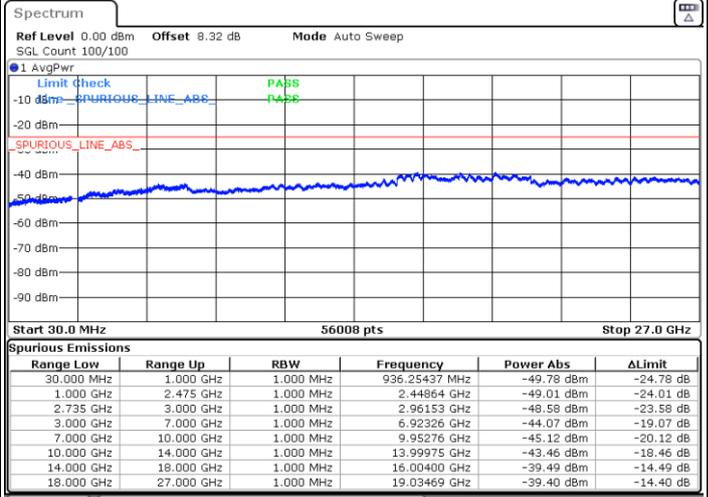
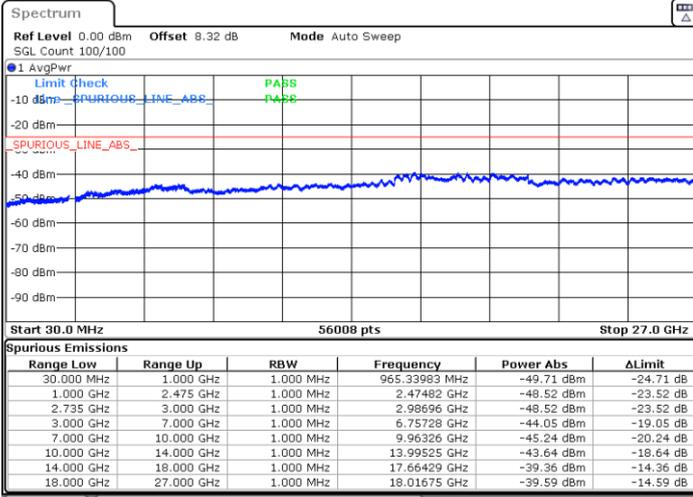
Date: 4.MAR.2025 05:47:46



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

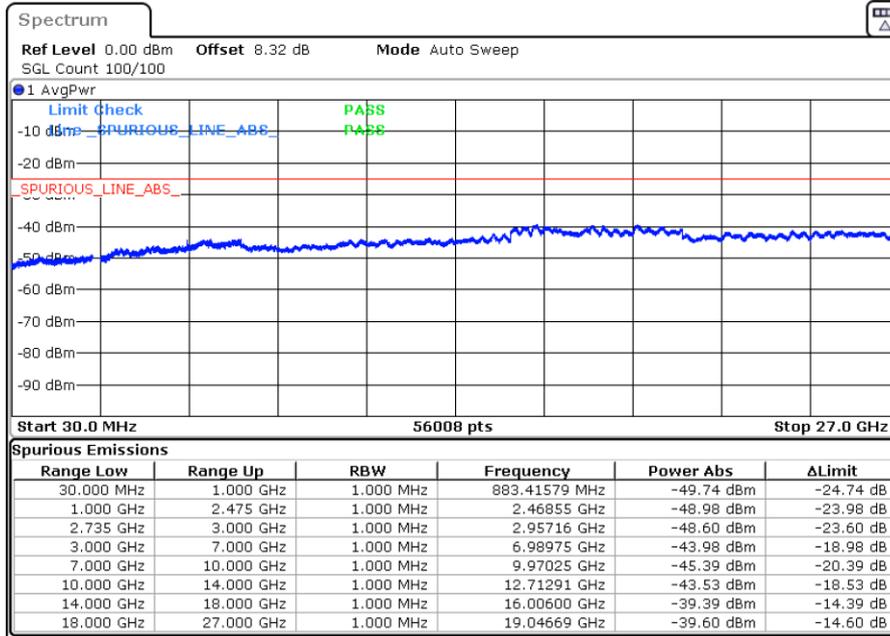
Middle Channel / QPSK



Date: 4.MAR.2025 06:04:23

Date: 4.MAR.2025 06:46:03

Highest Channel / QPSK



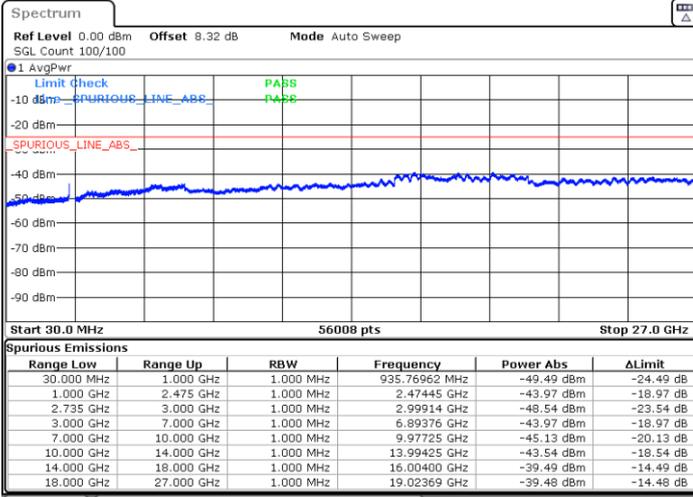
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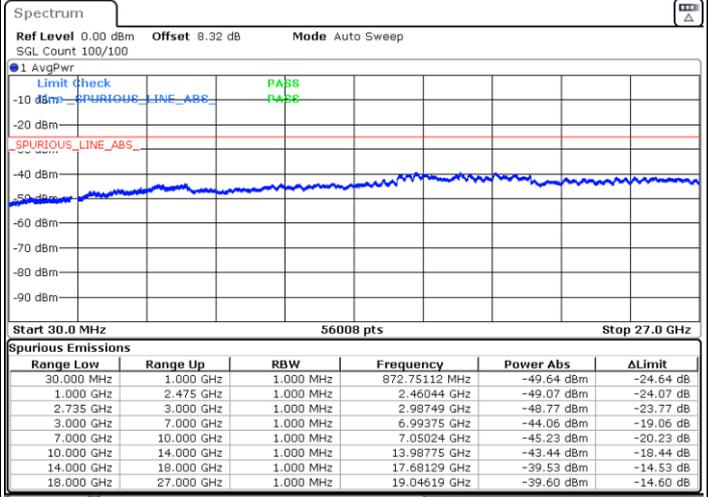
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

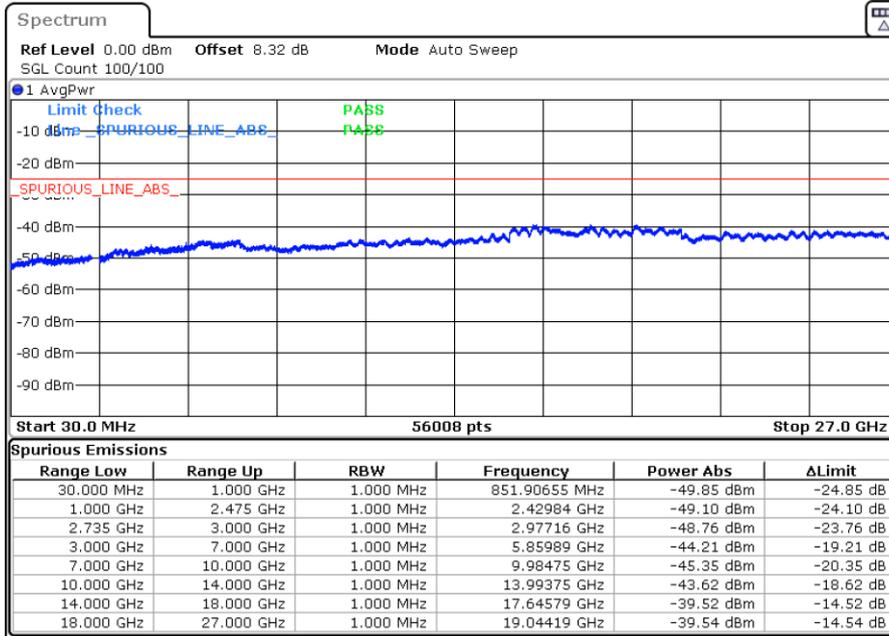


Date: 4.MAR.2025 07:04:09



Date: 4.MAR.2025 07:23:03

Highest Channel / QPSK



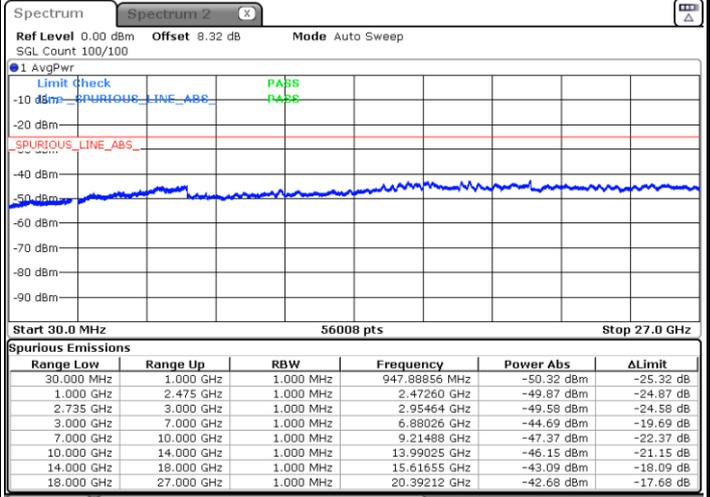
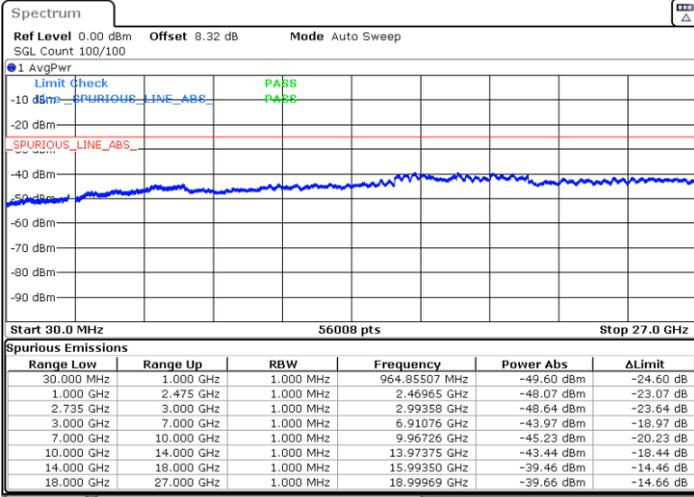
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LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

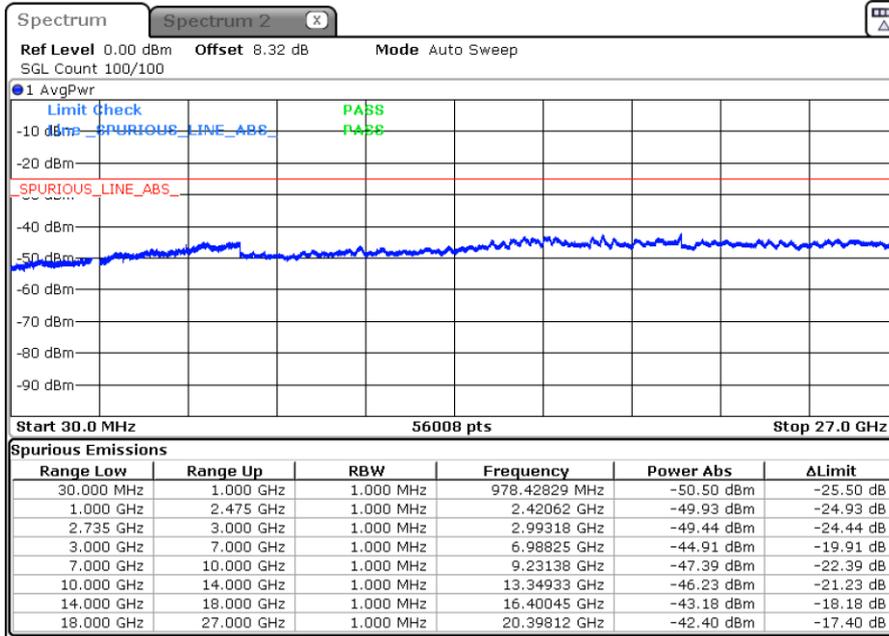
Middle Channel / QPSK



Date: 4.MAR.2025 07:45:05

Date: 4.MAR.2025 21:09:51

Highest Channel / QPSK



Date: 4.MAR.2025 21:19:58



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0049	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0022	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.91 V.; Battery End Point (BEP) =3.6V.; Maximum Voltage =4.5V..
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Wenbo Xiao	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 7 / 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	5052.00	-60.32	-25	-35.32	-82.33	-65.88	7.14	12.70	H
	7578.00	-54.60	-25	-29.60	-81.25	-57.90	8.30	11.60	H
	10104.00	-50.84	-25	-25.84	-82.25	-52.36	10.48	12.00	H
	5052.00	-60.19	-25	-35.19	-82.32	-65.75	7.14	12.70	V
	7578.00	-54.56	-25	-29.56	-81.17	-57.86	8.30	11.60	V
	10104.00	-52.01	-25	-27.01	-82.02	-53.53	10.48	12.00	V

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

DC_7A_n78A / 20MHz +100MHz / 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)
NR n78 Middle	6904.00	-56.21	-13	-43.21	-81.77	-59.51	8.30	11.60	H
	10356.00	-47.60	-13	-34.60	-78.70	-49.12	10.48	12.00	H
	13808.00	-47.15	-13	-34.15	-82.14	-48.85	11.80	13.50	H
	6904.00	-55.63	-13	-42.63	-81.67	-58.93	8.30	11.60	V
	10356.00	-38.61	-13	-25.61	-68.84	-40.13	10.48	12.00	V
	13808.00	-47.48	-13	-34.48	-81.81	-49.18	11.80	13.50	V
LTE Band7 Middle	5052.00	-59.09	-25	-34.09	-81.10	-64.65	7.14	12.70	H
	7578.00	-50.82	-25	-25.82	-77.47	-54.12	8.30	11.60	H
	10104.00	-50.15	-25	-25.15	-81.56	-51.67	10.48	12.00	H
	5052.00	-52.63	-25	-27.63	-74.76	-58.19	7.14	12.70	V
	7578.00	-44.61	-25	-19.61	-71.22	-47.91	8.30	11.60	V
10104.00	-47.06	-25	-22.06	-77.07	-48.58	10.48	12.00	V	

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



LTE CA_7C / 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	5070.00	-60.75	-25	-35.75	-82.74	-66.31	7.14	12.70	H
	7605.00	-54.55	-25	-29.55	-81.19	-57.85	8.30	11.60	H
	10140.00	-50.47	-25	-25.47	-81.83	-51.99	10.48	12.00	H
	5070.00	-58.94	-25	-33.94	-81.07	-64.50	7.14	12.70	V
	7605.00	-54.71	-25	-29.71	-81.29	-58.01	8.30	11.60	V
	10140.00	-51.01	-25	-26.01	-81.04	-52.53	10.48	12.00	V

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

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	-60.18	-25	-35.18	-82.00	-65.74	7.14	12.70	H
	7752.00	-54.39	-25	-29.39	-81.18	-57.69	8.30	11.60	H
	10336.00	-50.75	-25	-25.75	-81.88	-52.27	10.48	12.00	H
	5168.00	-59.65	-25	-34.65	-81.74	-65.21	7.14	12.70	V
	7752.00	-54.50	-25	-29.50	-81.14	-57.80	8.30	11.60	V
	10336.00	-51.87	-25	-26.87	-82.09	-53.39	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)
NR n78 Middle	7404.00	-59.52	-13	-46.52	-65.78	-62.82	8.30	11.60	H
	11106.00	-49.12	-13	-36.12	-63.32	-50.64	10.48	12.00	H
	14808.00	-50.11	-13	-37.11	-67.53	-51.81	11.80	13.50	H
	7404.00	-59.22	-13	-46.22	-65.5	-62.52	8.30	11.60	V
	11106.00	-48.41	-13	-35.41	-62.32	-49.93	10.48	12.00	V
	14808.00	-50.75	-13	-37.75	-67.62	-52.45	11.80	13.50	V
LTE Band41 Middle	5168.00	-56.46	-25	-31.46	-78.28	-62.02	7.14	12.70	H
	7752.00	-51.73	-25	-26.73	-57.97	-55.03	8.30	11.60	H
	10336.00	-52.76	-25	-27.76	-64.36	-54.28	10.48	12.00	H
	5168.00	-49.98	-25	-24.98	-72.07	-55.54	7.14	12.70	V
	7752.00	-43.54	-25	-18.54	-49.63	-46.84	8.30	11.60	V
	10336.00	-44.77	-25	-19.77	-55.46	-46.29	10.48	12.00	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	-60.83	-25	-35.83	-82.63	-66.39	7.14	12.70	H
	7779.00	-54.87	-25	-29.87	-81.70	-58.17	8.30	11.60	H
	10372.00	-51.20	-25	-26.20	-82.28	-52.72	10.48	12.00	H
	5186.00	-57.63	-25	-32.63	-79.72	-63.19	7.14	12.70	V
	7779.00	-55.12	-25	-30.12	-81.78	-58.42	8.30	11.60	V
	10372.00	-51.31	-25	-26.31	-81.56	-52.83	10.48	12.00	V

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