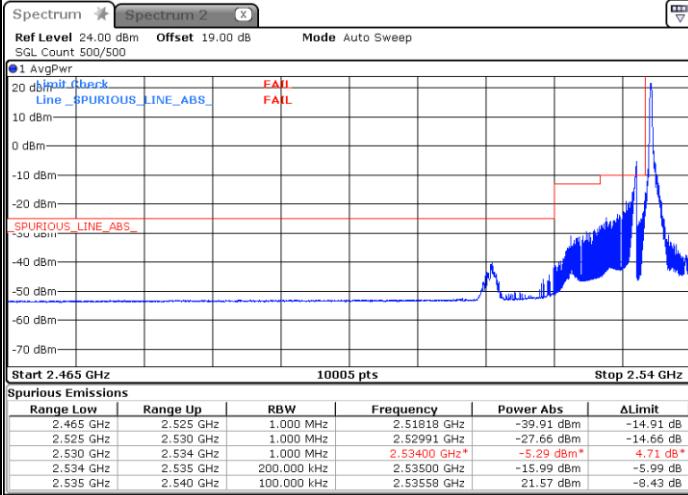




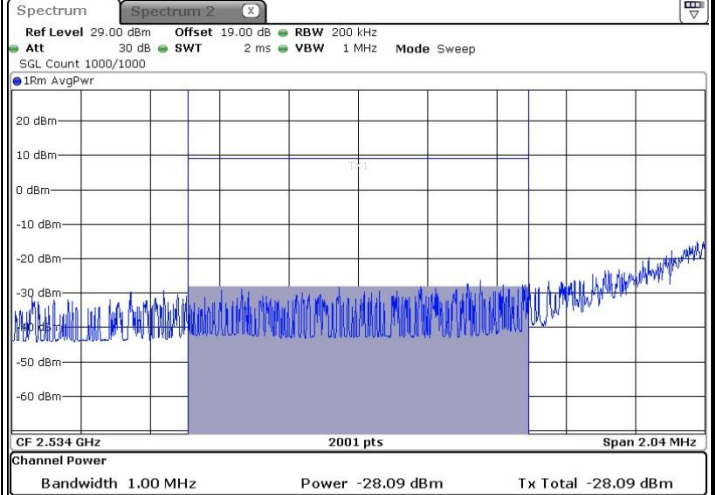
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



Date: 10.MAY.2025 05:15:56

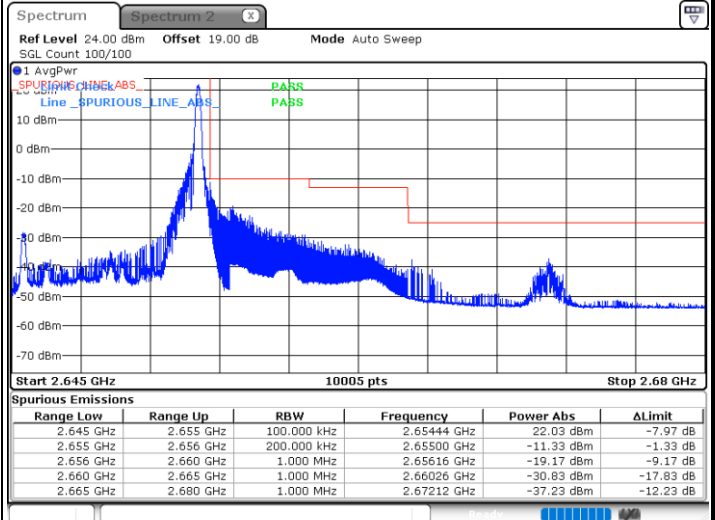
Lowest Band Edge / 1RB-C



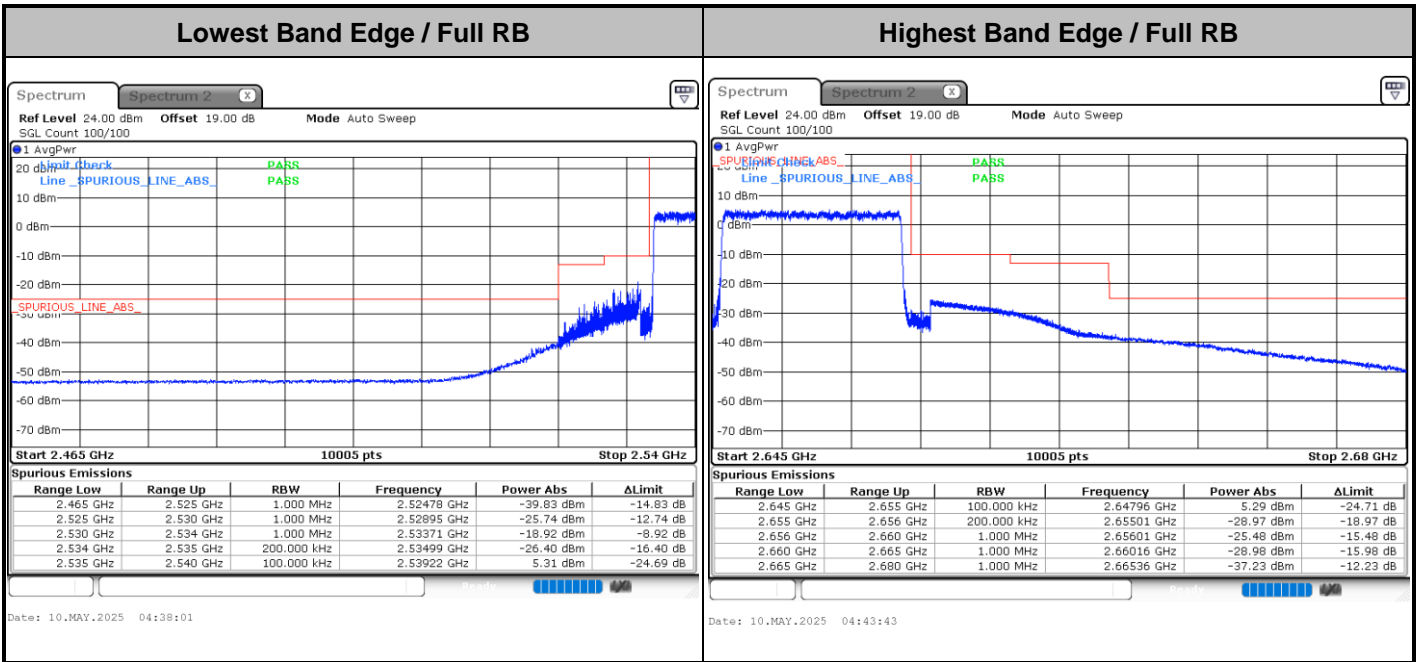
Date: 10.MAY.2025 05:20:27

N/A

Highest Band Edge / 1 RB



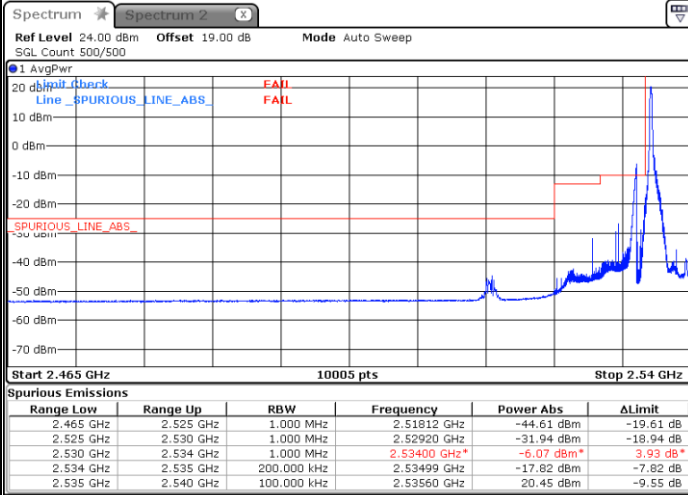
Date: 10.MAY.2025 04:42:36





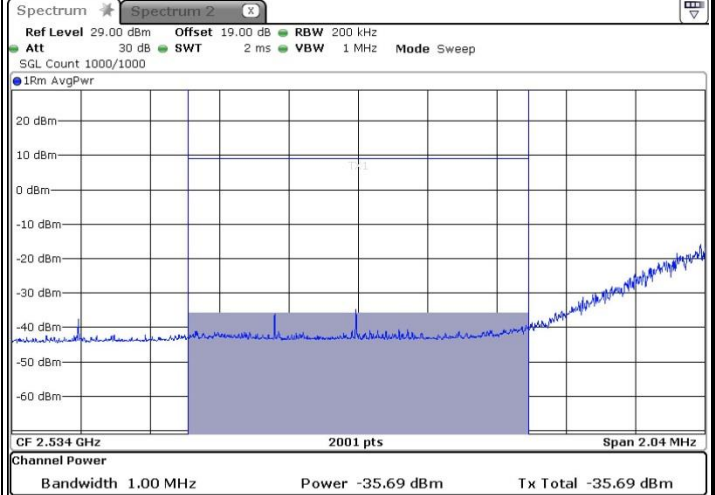
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



Date: 10.MAY.2025 05:17:34

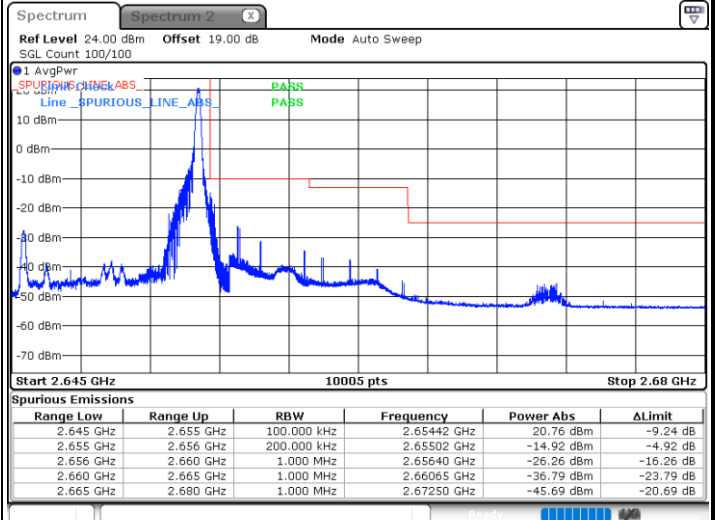
Lowest Band Edge / 1RB-C



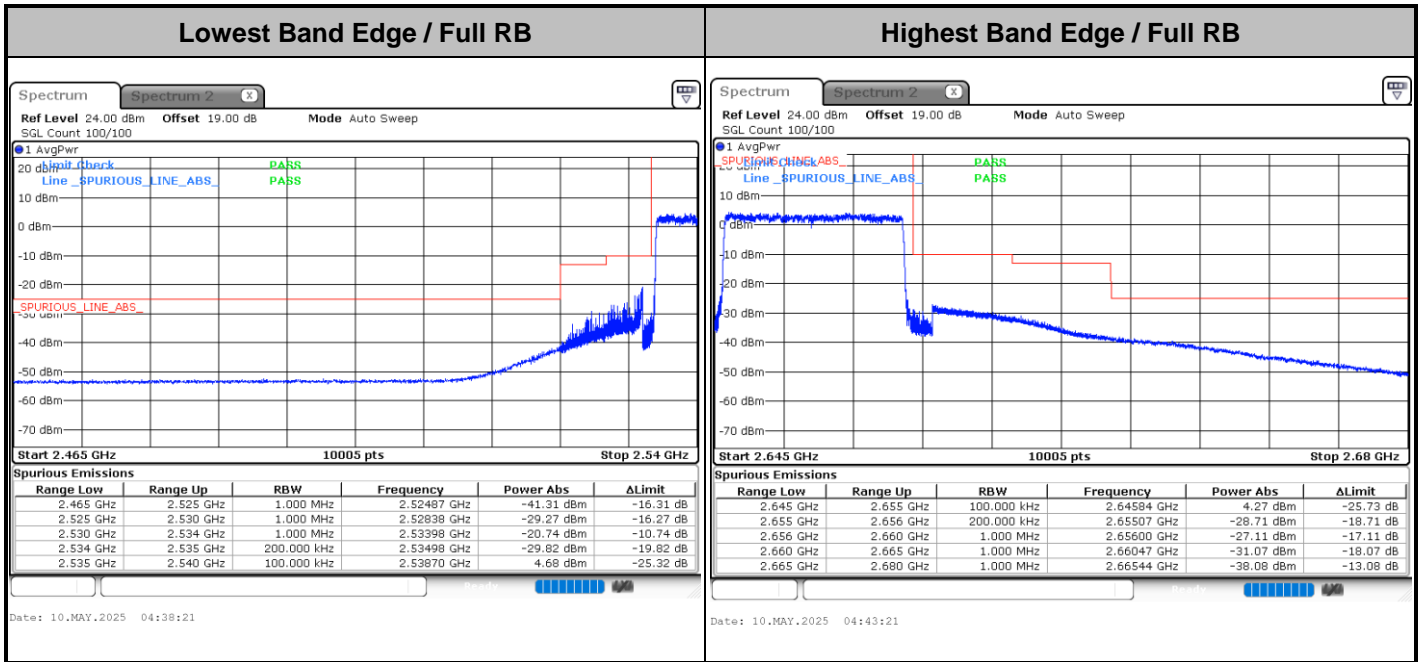
Date: 10.MAY.2025 05:20:05

N/A

Highest Band Edge / 1 RB



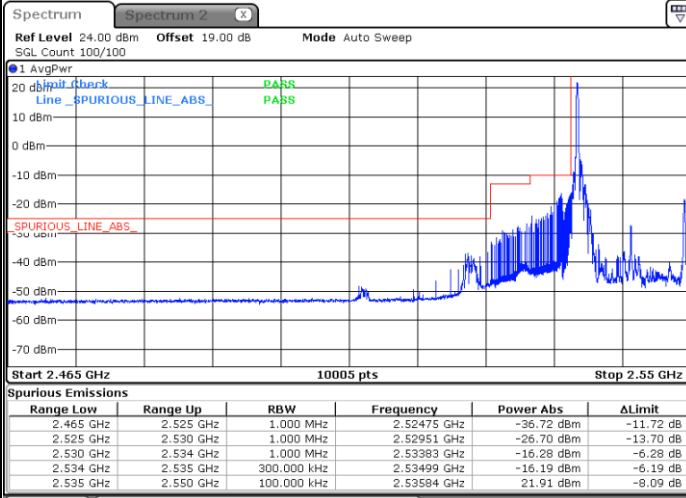
Date: 10.MAY.2025 04:42:58





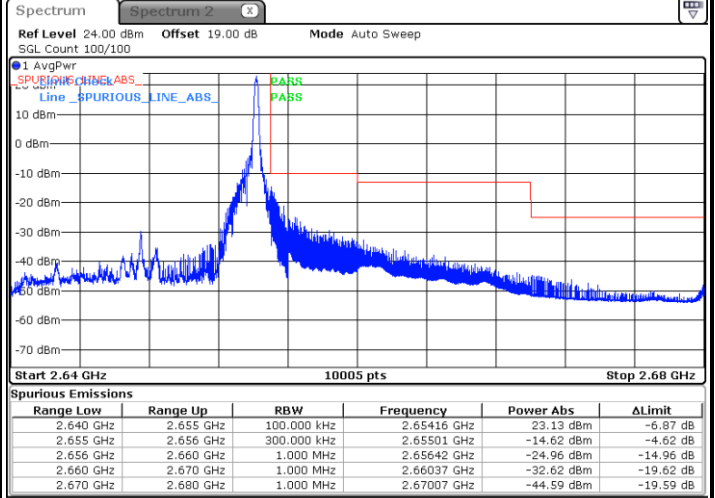
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



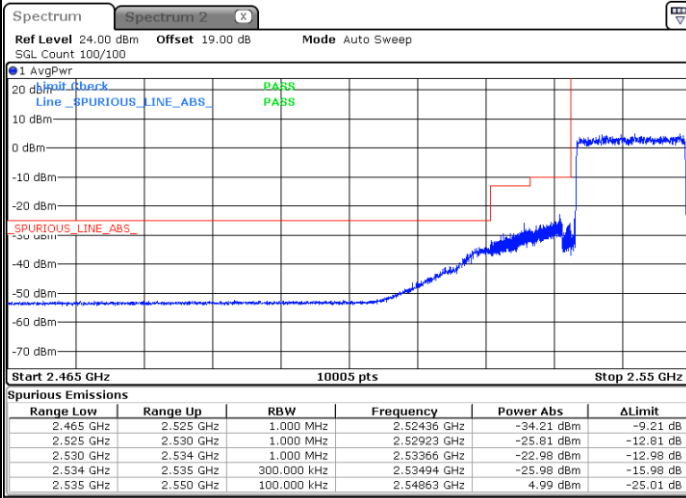
Date: 10.MAY.2025 04:46:03

Highest Band Edge / 1 RB



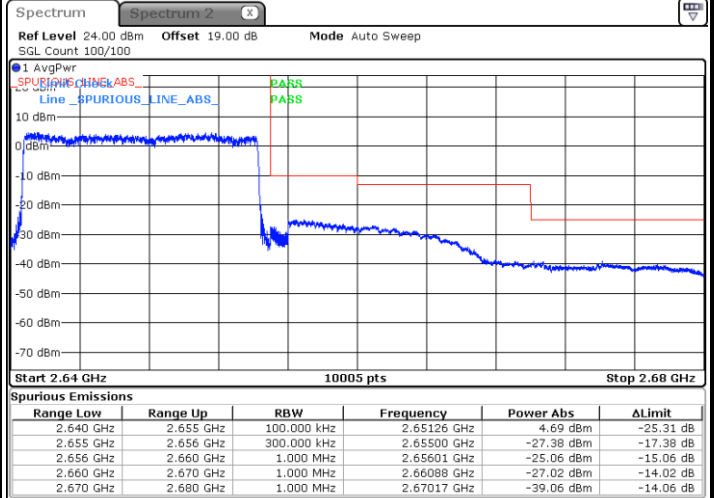
Date: 10.MAY.2025 04:46:57

Lowest Band Edge / Full RB



Date: 10.MAY.2025 04:44:25

Highest Band Edge / Full RB

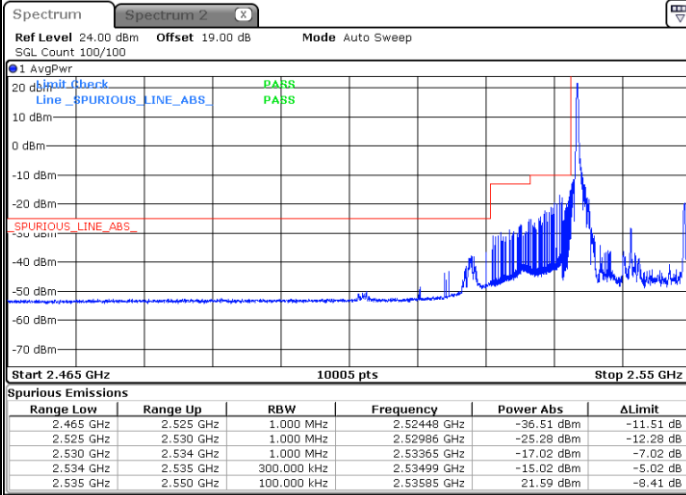


Date: 10.MAY.2025 04:50:47



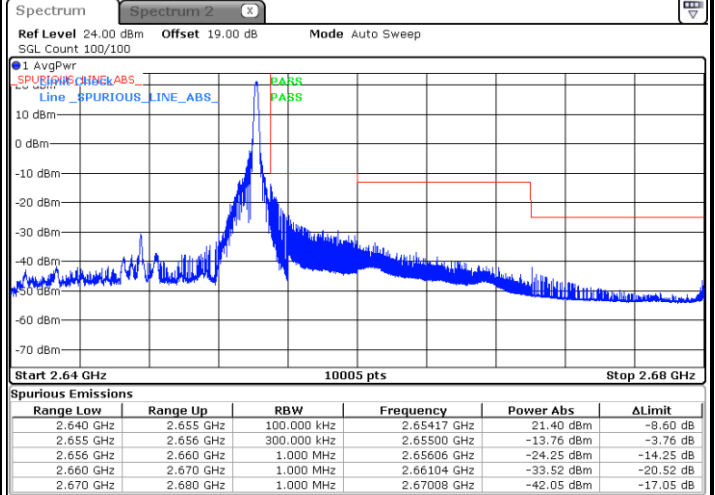
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



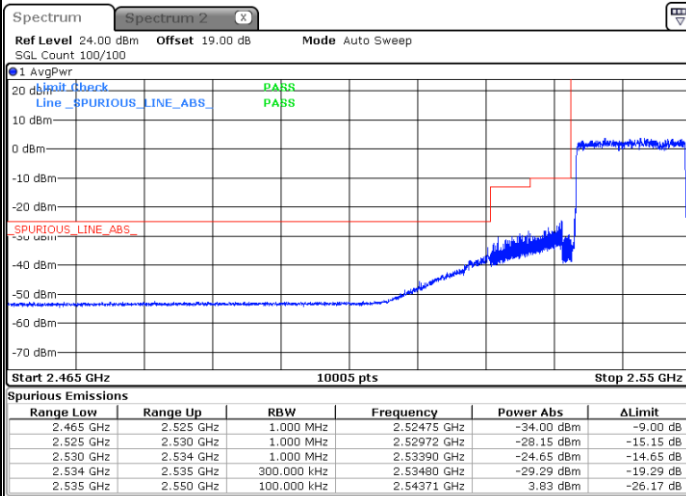
Date: 10.MAY.2025 05:09:03

Highest Band Edge / 1 RB



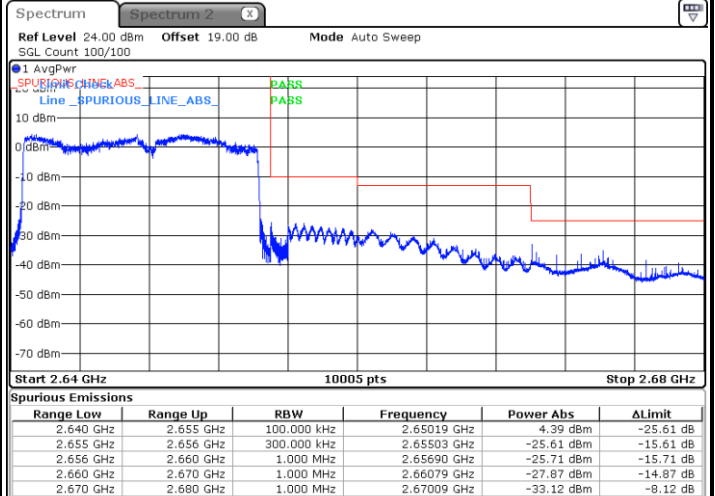
Date: 10.MAY.2025 04:49:19

Lowest Band Edge / Full RB



Date: 10.MAY.2025 04:44:45

Highest Band Edge / Full RB

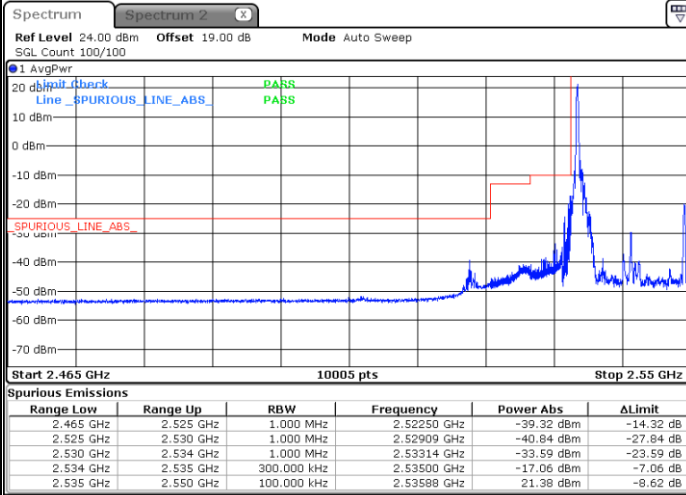


Date: 10.MAY.2025 04:50:25



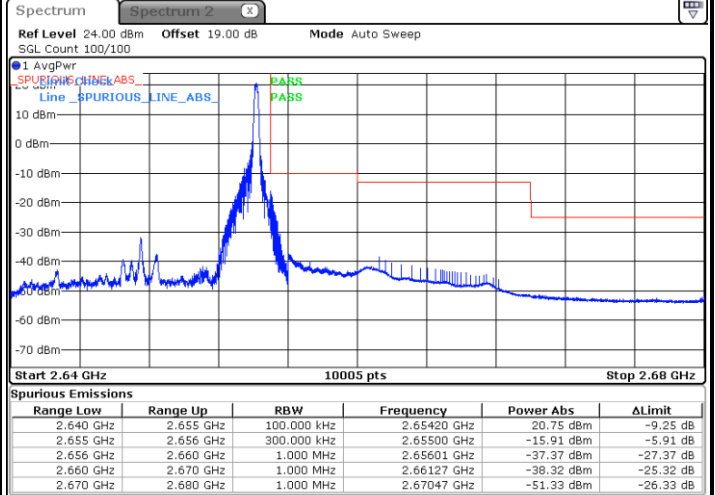
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



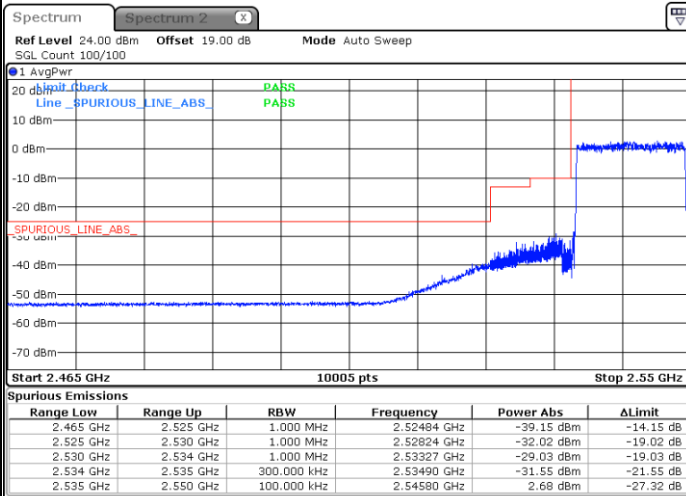
Date: 10.MAY.2025 04:45:24

Highest Band Edge / 1 RB



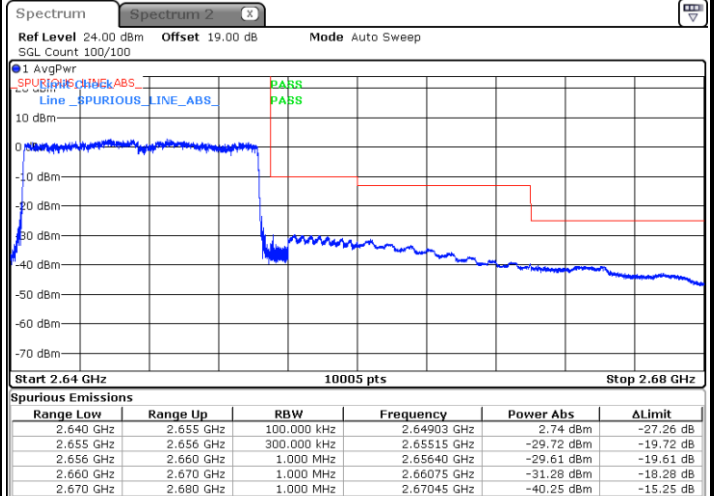
Date: 10.MAY.2025 04:49:41

Lowest Band Edge / Full RB



Date: 10.MAY.2025 04:45:04

Highest Band Edge / Full RB

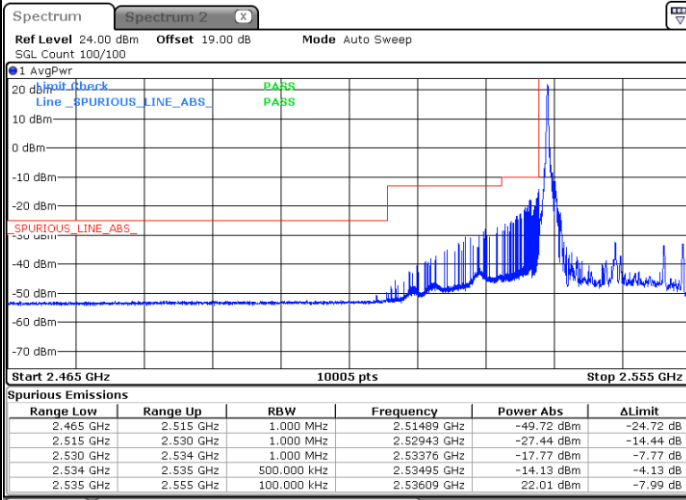


Date: 10.MAY.2025 04:50:03



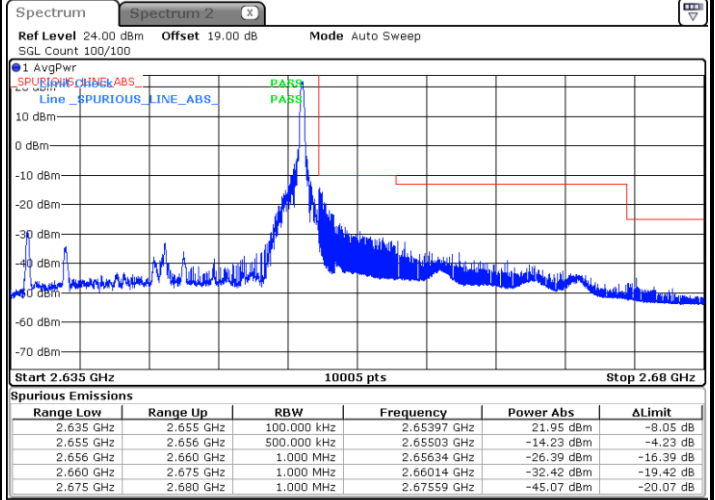
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



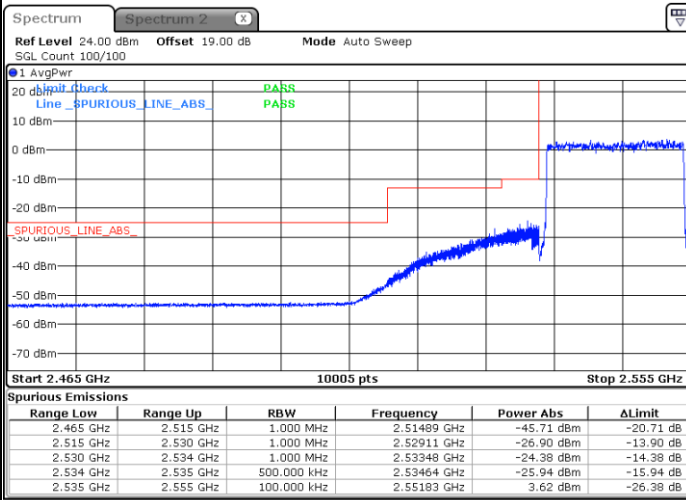
Date: 10.MAY.2025 04:52:45

Highest Band Edge / 1 RB



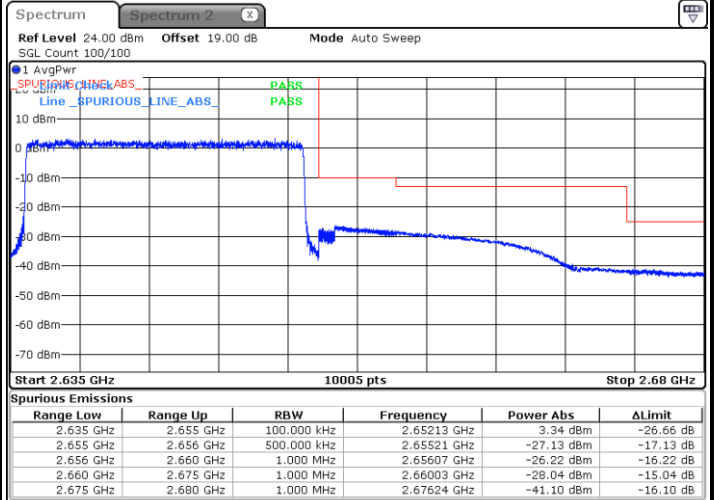
Date: 10.MAY.2025 04:55:40

Lowest Band Edge / Full RB



Date: 10.MAY.2025 04:51:07

Highest Band Edge / Full RB

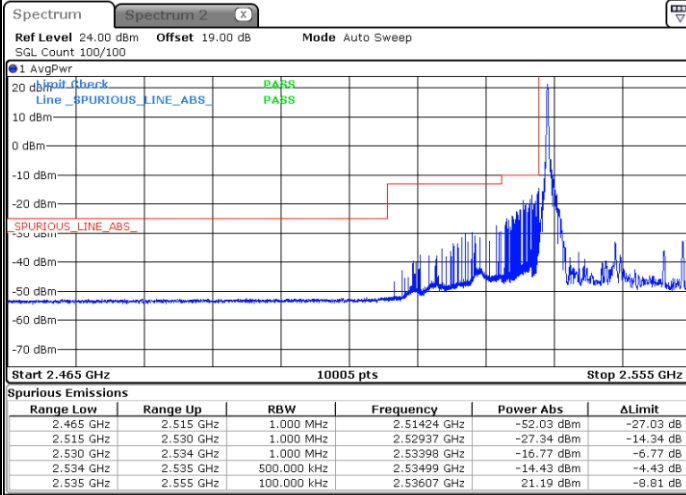


Date: 10.MAY.2025 04:57:30



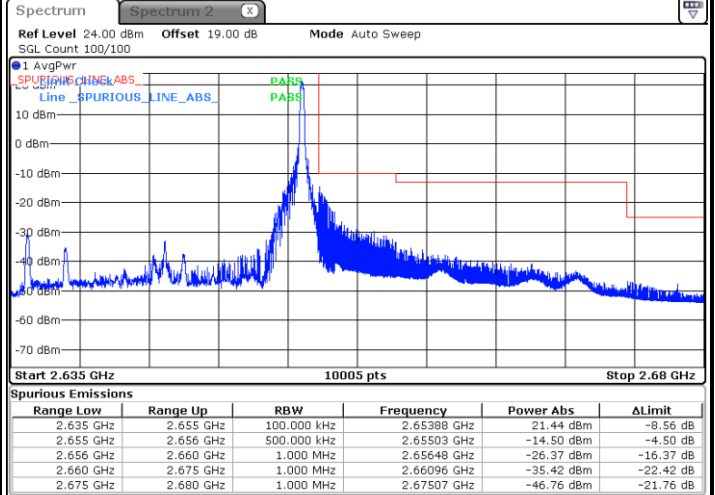
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



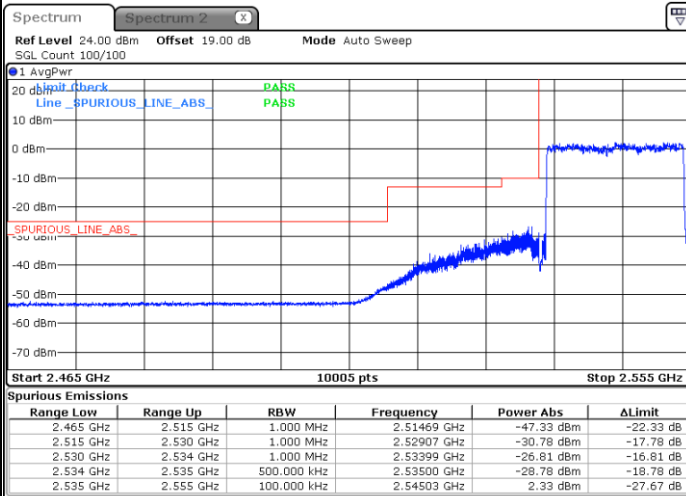
Date: 10.MAY.2025 04:52:25

Highest Band Edge / 1 RB



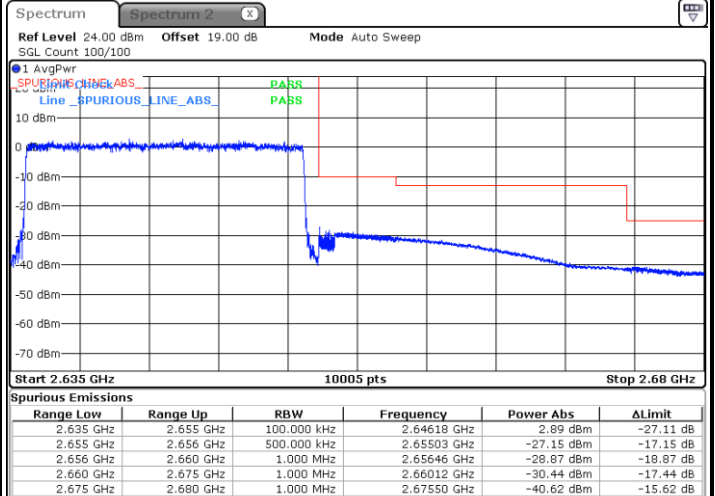
Date: 10.MAY.2025 04:56:02

Lowest Band Edge / Full RB



Date: 10.MAY.2025 04:51:26

Highest Band Edge / Full RB

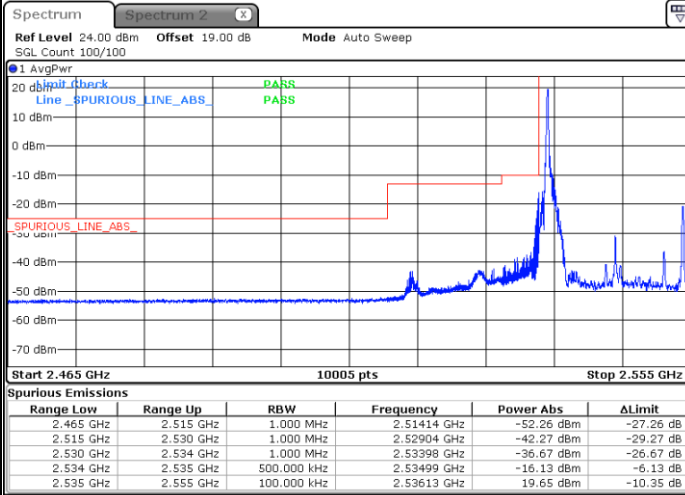


Date: 10.MAY.2025 04:57:08



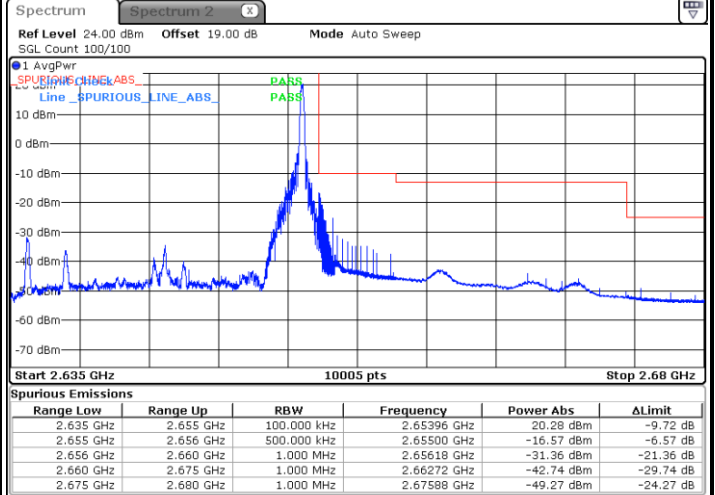
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



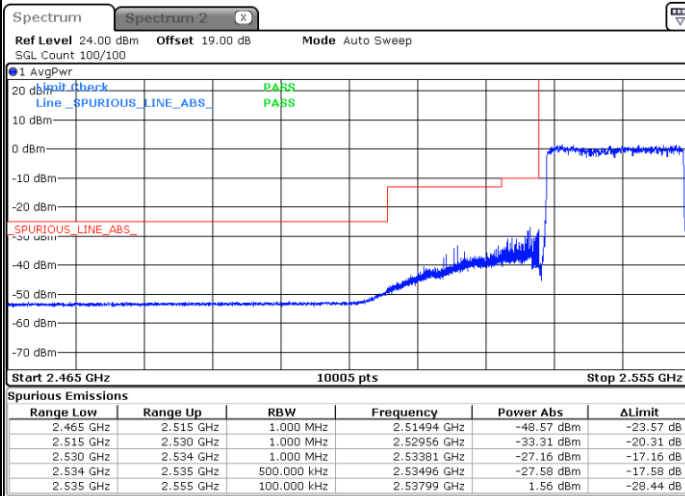
Date: 10.MAY.2025 04:52:06

Highest Band Edge / 1 RB



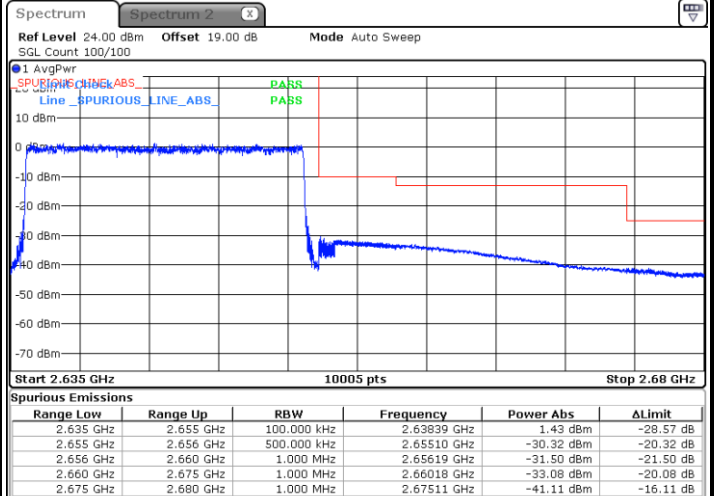
Date: 10.MAY.2025 04:56:24

Lowest Band Edge / Full RB



Date: 10.MAY.2025 04:51:46

Highest Band Edge / Full RB



Date: 10.MAY.2025 04:56:46

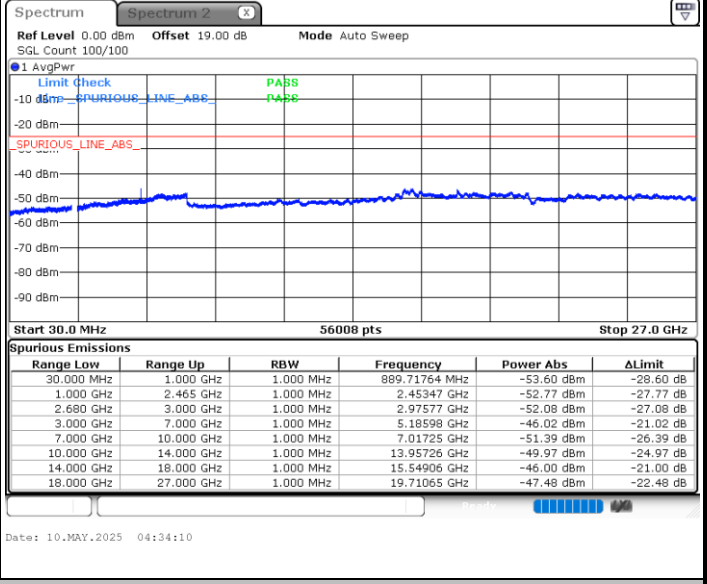
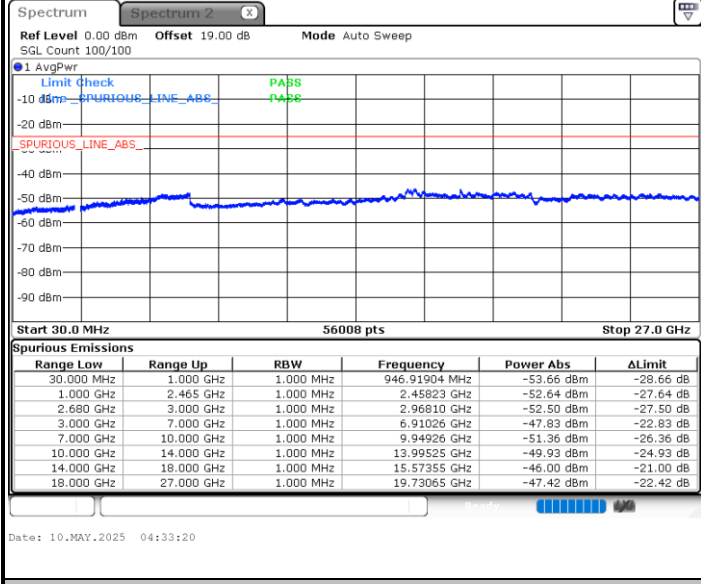


Conducted Spurious Emission

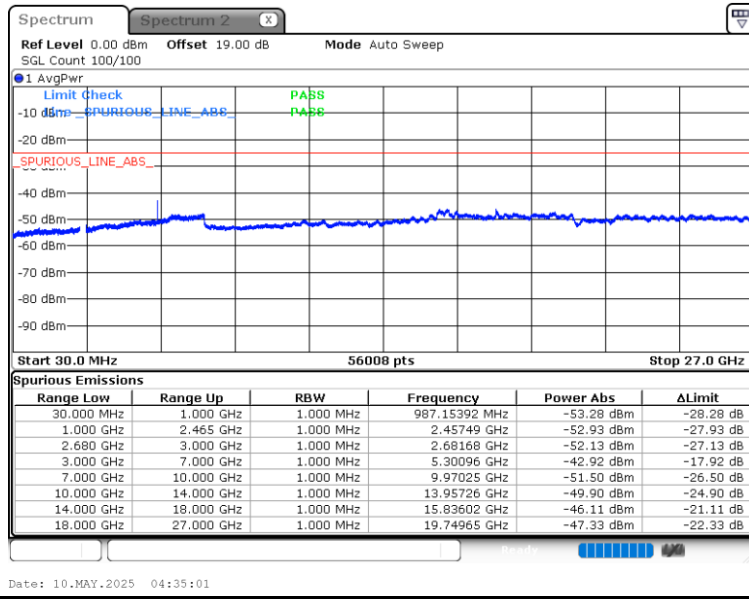
LTE Band 41 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

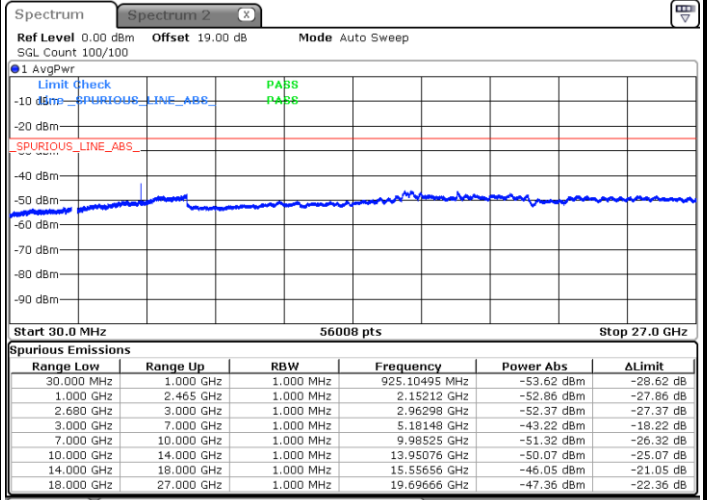
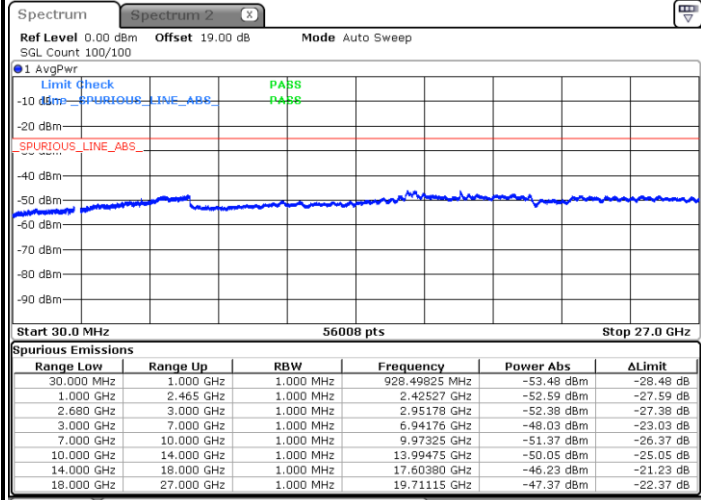




LTE Band 41 / 10MHz

Lowest Channel / QPSK

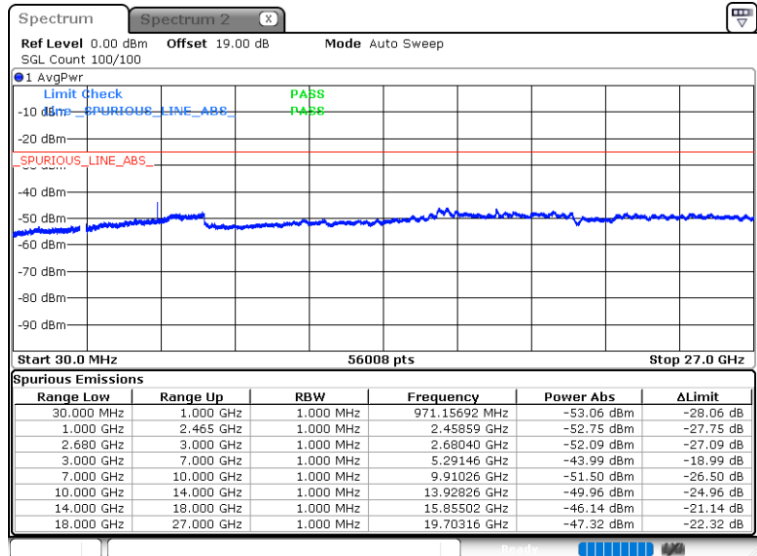
Middle Channel / QPSK



Date: 10.MAY.2025 04:40:10

Date: 10.MAY.2025 04:41:01

Highest Channel / QPSK



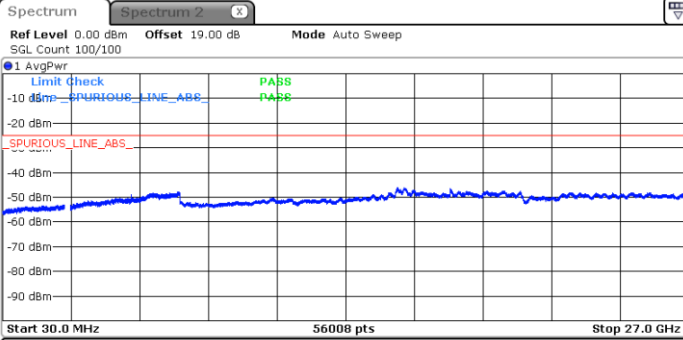
Date: 10.MAY.2025 04:41:51



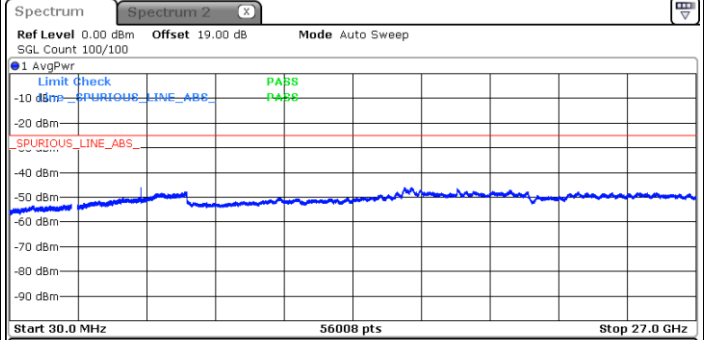
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-53.71 dBm	-28.71 dB
1.000 GHz	2.465 GHz	1.000 MHz	2.44724 GHz	-53.13 dBm	-28.13 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.96234 GHz	-52.39 dBm	-27.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95676 GHz	-47.83 dBm	-22.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.00325 GHz	-51.37 dBm	-26.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96375 GHz	-49.92 dBm	-24.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.55756 GHz	-46.16 dBm	-21.16 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.71015 GHz	-47.37 dBm	-22.37 dB

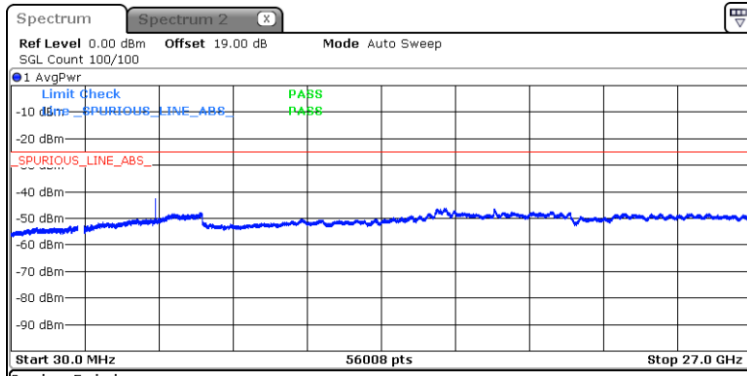


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-53.52 dBm	-28.52 dB
1.000 GHz	2.465 GHz	1.000 MHz	2.46079 GHz	-52.84 dBm	-27.84 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.94827 GHz	-52.39 dBm	-27.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17698 GHz	-45.95 dBm	-20.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.03874 GHz	-51.38 dBm	-26.38 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96575 GHz	-49.93 dBm	-24.93 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.53656 GHz	-46.13 dBm	-21.13 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69566 GHz	-47.24 dBm	-22.24 dB

Date: 10.MAY.2025 04:46:53

Date: 10.MAY.2025 04:47:44

Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.01049 MHz	-53.59 dBm	-28.59 dB
1.000 GHz	2.465 GHz	1.000 MHz	2.16676 GHz	-52.77 dBm	-27.77 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.97545 GHz	-52.33 dBm	-27.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.28196 GHz	-42.62 dBm	-17.62 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.93126 GHz	-51.47 dBm	-26.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97575 GHz	-49.81 dBm	-24.81 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.81702 GHz	-46.14 dBm	-21.14 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69666 GHz	-47.42 dBm	-22.42 dB

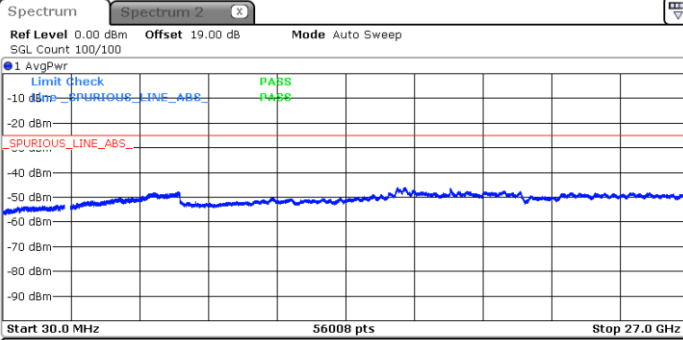
Date: 10.MAY.2025 04:48:35



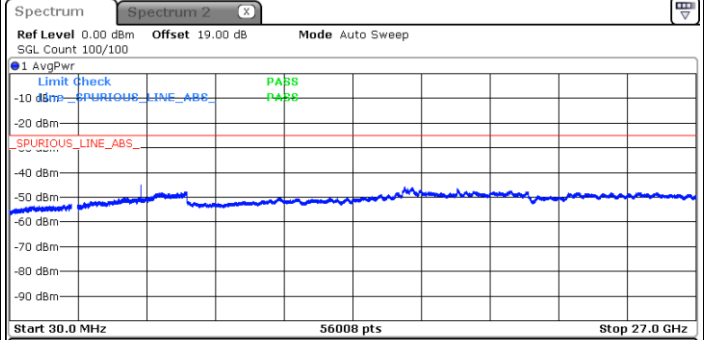
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-53.78 dBm	-28.78 dB
1.000 GHz	2.465 GHz	1.000 MHz	2.45164 GHz	-53.06 dBm	-28.06 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.95018 GHz	-52.39 dBm	-27.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96925 GHz	-48.01 dBm	-23.01 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98375 GHz	-51.35 dBm	-26.35 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93776 GHz	-49.97 dBm	-24.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.86102 GHz	-46.08 dBm	-21.08 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.74415 GHz	-47.37 dBm	-22.37 dB

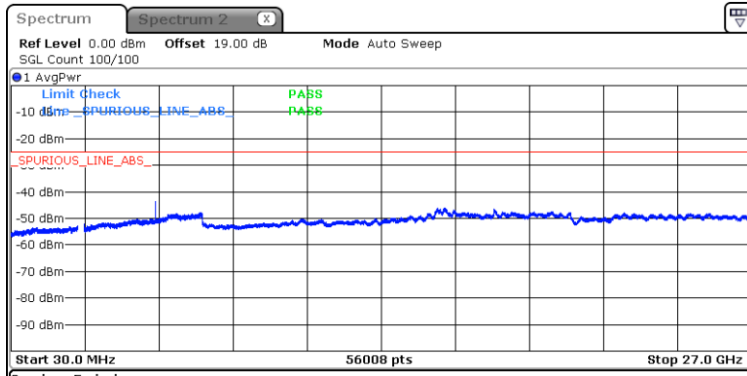


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-53.52 dBm	-28.52 dB
1.000 GHz	2.465 GHz	1.000 MHz	2.46372 GHz	-52.91 dBm	-27.91 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.95994 GHz	-52.28 dBm	-27.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17248 GHz	-44.94 dBm	-19.94 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.97725 GHz	-51.47 dBm	-26.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99275 GHz	-49.84 dBm	-24.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54956 GHz	-45.87 dBm	-20.87 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.72515 GHz	-47.44 dBm	-22.44 dB

Date: 10.MAY.2025 04:53:35

Date: 10.MAY.2025 04:54:26

Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	822.33633 MHz	-53.43 dBm	-28.43 dB
1.000 GHz	2.465 GHz	1.000 MHz	2.46189 GHz	-52.91 dBm	-27.91 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.68408 GHz	-52.27 dBm	-27.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.27247 GHz	-43.56 dBm	-18.56 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.00175 GHz	-51.45 dBm	-26.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97225 GHz	-49.92 dBm	-24.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.55756 GHz	-46.14 dBm	-21.14 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.27173 GHz	-47.36 dBm	-22.36 dB

Date: 10.MAY.2025 04:55:17



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0095	PASS
40	Normal Voltage	0.0111	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0089	
-10	Normal Voltage	0.0093	
-20	Normal Voltage	0.0071	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0045	

Note:

1. Normal Voltage = 3.91 V.; Battery End Point (BEP) =3.5 V.; Maximum Voltage = 4.45 V.
2. 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%

For Sample 1:

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1664	-65.89	-13	-52.89	-75.47	-69.14	4.00	9.40	H
	2496	-56.87	-13	-43.87	-70.77	-60.44	4.88	10.60	H
	3328	-62.70	-13	-49.70	-78.19	-67.63	5.52	12.60	H
	1664	-66.29	-13	-53.29	-75.47	-69.54	4.00	9.40	V
	2496	-60.66	-13	-47.66	-74.52	-64.23	4.88	10.60	V
	3328	-62.96	-13	-49.96	-78.21	-67.89	5.52	12.60	V

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

LTE Band 7 / 20MHz / QPSK									
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	-60.10	-25	-35.10	-82.01	-65.66	7.14	12.70	H
	7578.00	-54.86	-25	-29.86	-80.89	-58.16	8.30	11.60	H
	10104.00	-49.64	-25	-24.64	-81.27	-51.16	10.48	12.00	H
	5052.00	-60.23	-25	-35.23	-82.26	-65.79	7.14	12.70	V
	7578.00	-54.55	-25	-29.55	-80.54	-57.85	8.30	11.60	V
	10104.00	-51.23	-25	-26.23	-81.46	-52.75	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK									
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	5172.00	-59.91	-25	-34.91	-81.48	-65.47	7.14	12.70	
	7758.00	-54.15	-25	-29.15	-80.46	-57.45	8.30	11.60	
	10344.00	-50.14	-25	-25.14	-81.32	-51.66	10.48	12.00	
	5172.00	-59.83	-25	-34.83	-81.67	-65.39	7.14	12.70	
	7758.00	-54.73	-25	-29.73	-80.88	-58.03	8.30	11.60	
	10344.00	-51.01	-25	-26.01	-81.32	-52.53	10.48	12.00	

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



For Sample 2:

LTE Band 7 / 20MHz / QPSK									
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	-60.33	-25	-35.33	-82.24	-65.89	7.14	12.70	H
	7578.00	-55.13	-25	-30.13	-81.16	-58.43	8.30	11.60	H
	10104.00	-50.23	-25	-25.23	-81.86	-51.75	10.48	12.00	H
	5052.00	-60.38	-25	-35.38	-82.41	-65.94	7.14	12.70	V
	7578.00	-55.07	-25	-30.07	-81.06	-58.37	8.30	11.60	V
	10104.00	-51.71	-25	-26.71	-81.94	-53.23	10.48	12.00	V

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

For Sample 3:

LTE Band 7 / 20MHz / QPSK									
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	-60.18	-25	-35.18	-82.09	-65.74	7.14	12.70	H
	7578.00	-54.79	-25	-29.79	-80.82	-58.09	8.30	11.60	H
	10104.00	-49.91	-25	-24.91	-81.54	-51.43	10.48	12.00	H
	5052.00	-60.05	-25	-35.05	-82.08	-65.61	7.14	12.70	V
	7578.00	-54.84	-25	-29.84	-80.83	-58.14	8.30	11.60	V
	10104.00	-51.42	-25	-26.42	-81.65	-52.94	10.48	12.00	V

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