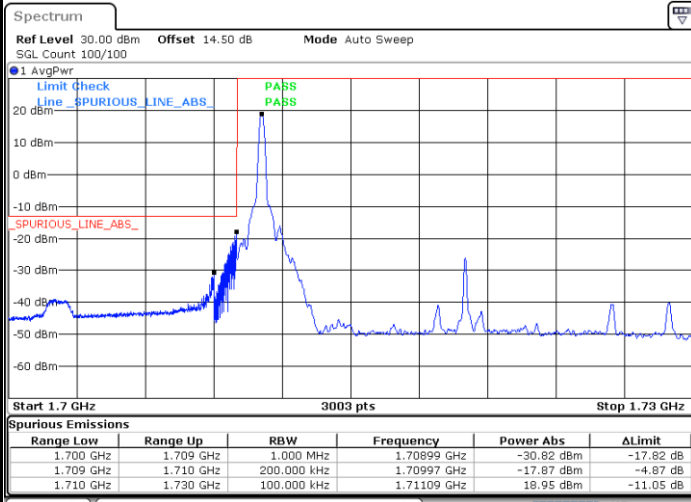




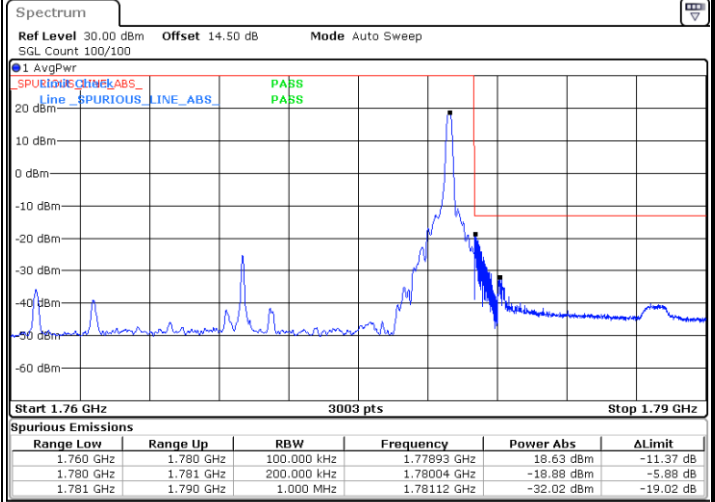
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



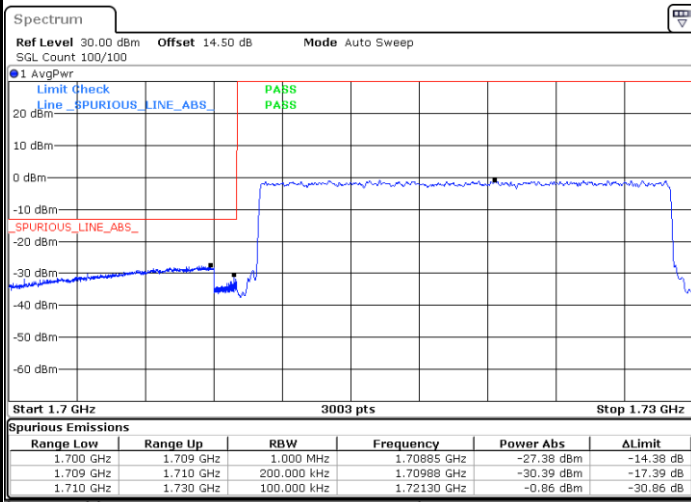
Date: 27.OCT.2023 23:09:41

Highest Band Edge / 1 RB



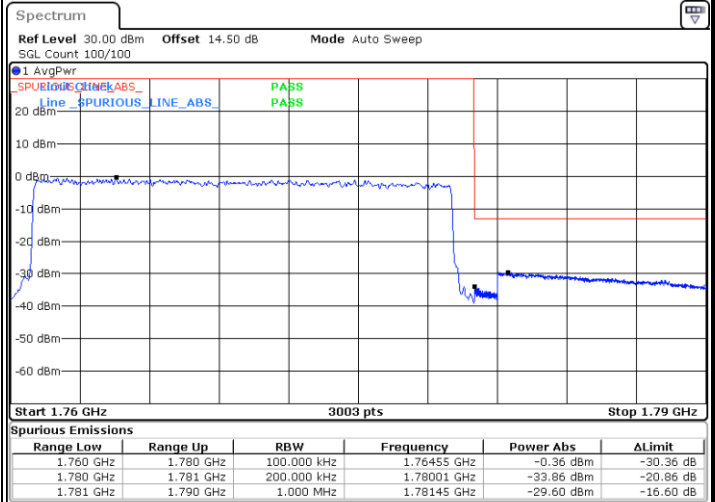
Date: 27.OCT.2023 23:13:36

Lowest Band Edge / Full RB



Date: 27.OCT.2023 23:11:12

Highest Band Edge / Full RB

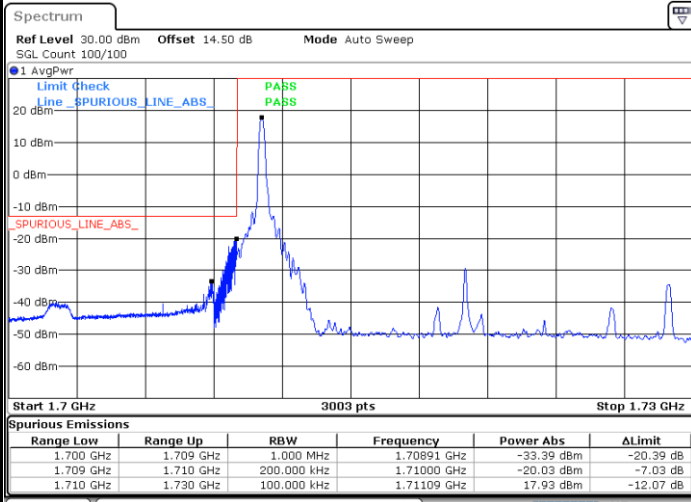


Date: 27.OCT.2023 23:15:07



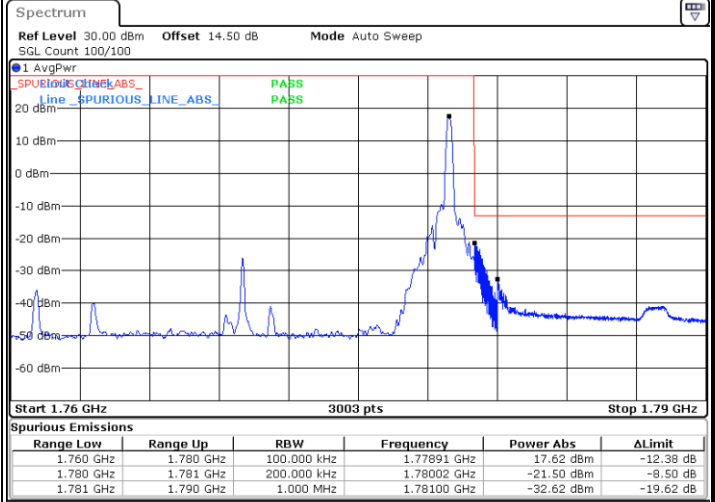
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



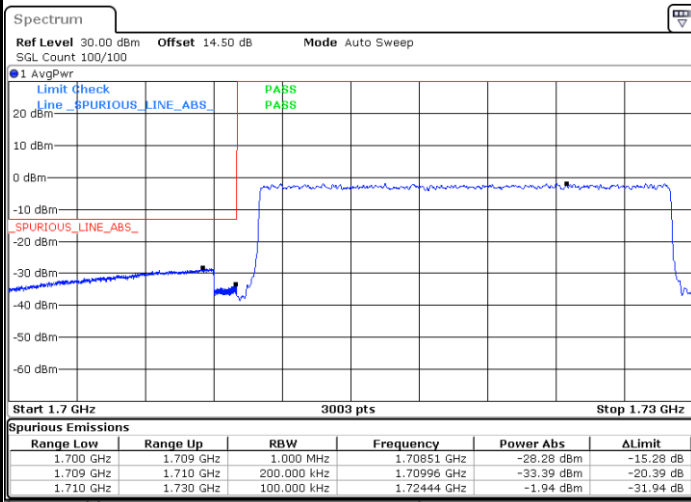
Date: 27.OCT.2023 23:10:11

Highest Band Edge / 1 RB



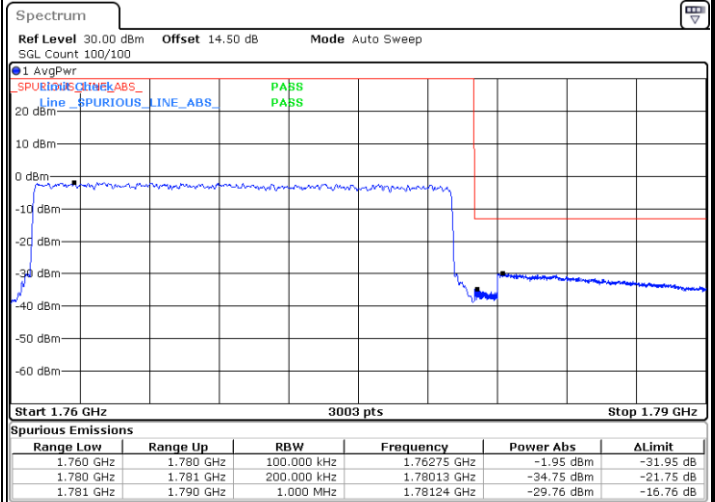
Date: 27.OCT.2023 23:14:07

Lowest Band Edge / Full RB



Date: 27.OCT.2023 23:11:42

Highest Band Edge / Full RB



Date: 27.OCT.2023 23:15:38

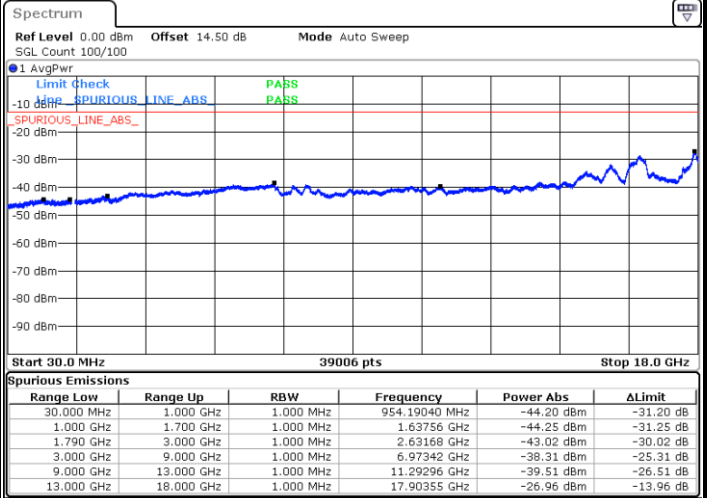
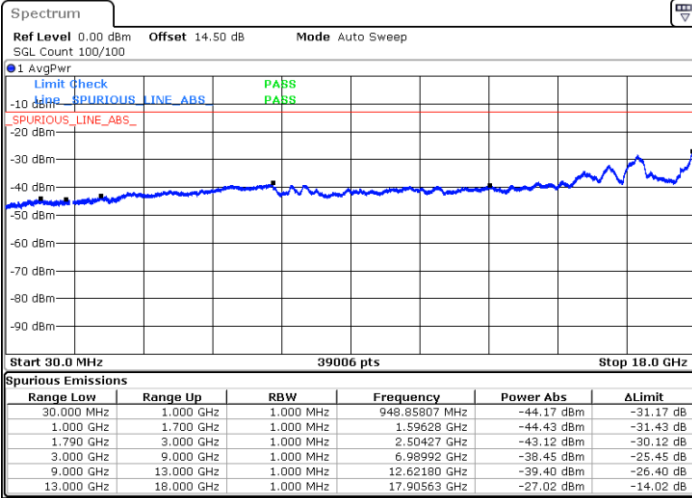


Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

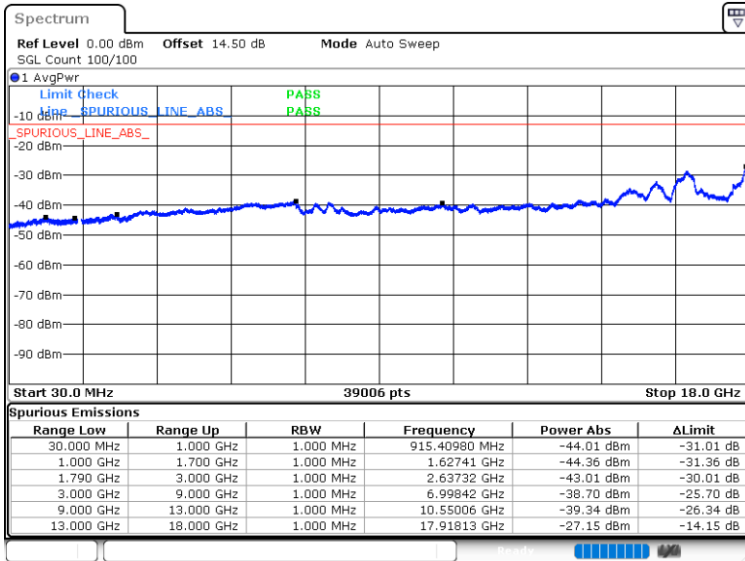
Middle Channel / QPSK



Date: 27.OCT.2023 21:40:17

Date: 27.OCT.2023 21:37:27

Highest Channel / QPSK



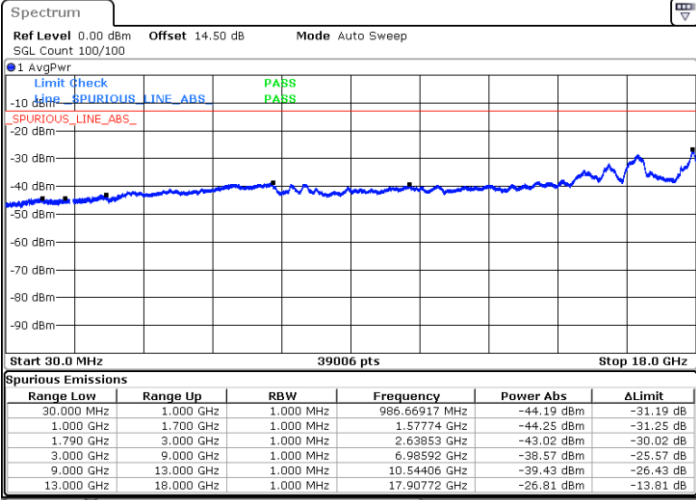
Date: 27.OCT.2023 21:44:38



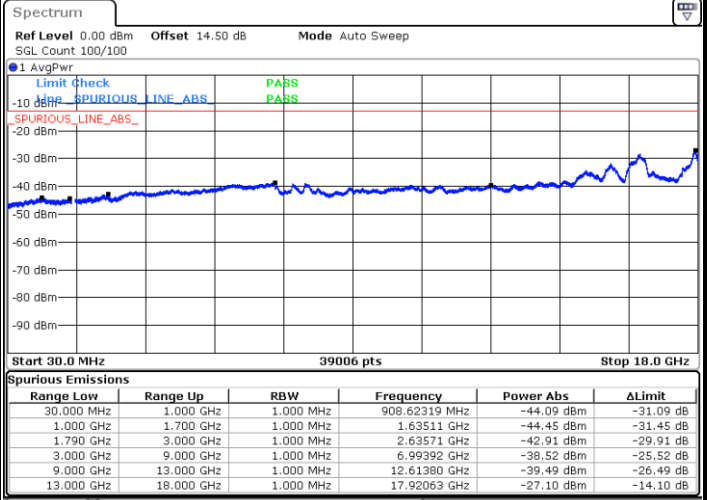
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

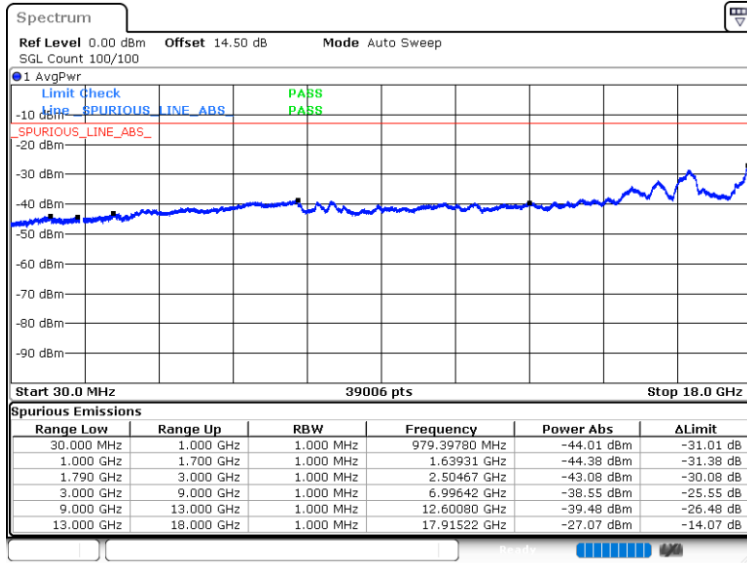


Date: 27.OCT.2023 21:56:19



Date: 27.OCT.2023 21:53:15

Highest Channel / QPSK



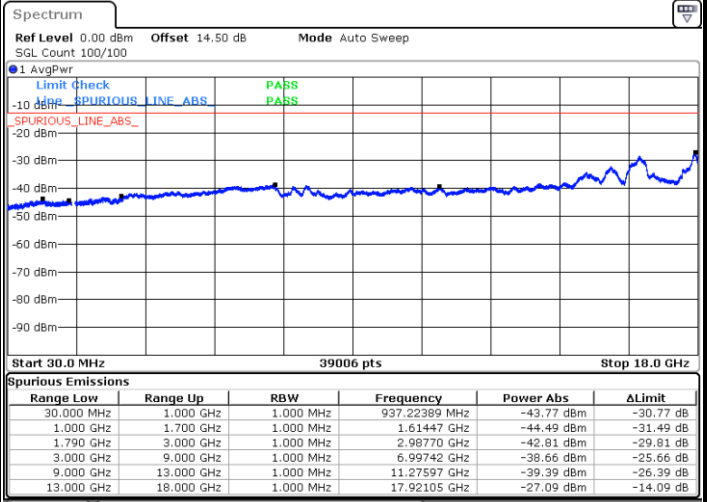
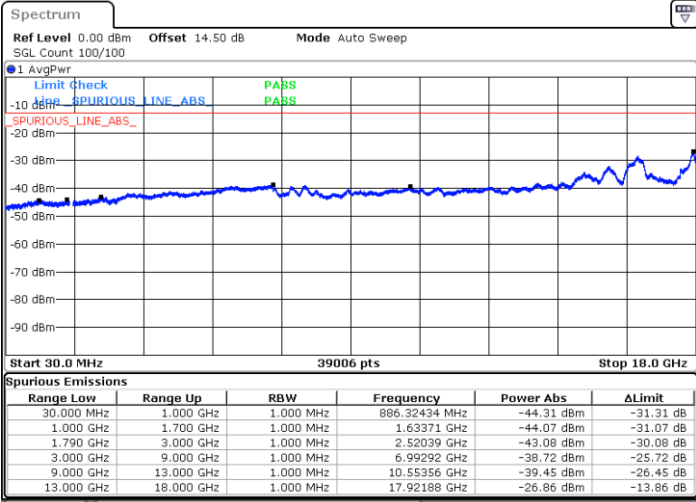
Date: 27.OCT.2023 22:01:44



LTE Band 66 / 5MHz

Lowest Channel / QPSK

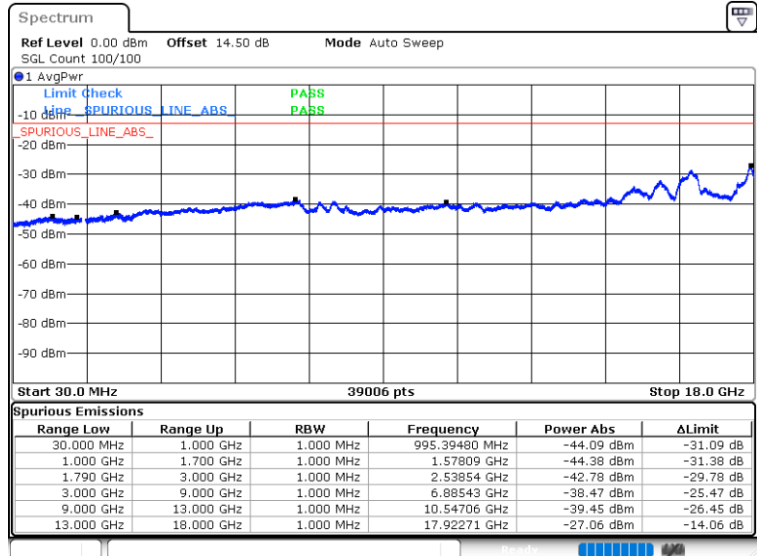
Middle Channel / QPSK



Date: 27.OCT.2023 22:16:44

Date: 27.OCT.2023 22:13:39

Highest Channel / QPSK

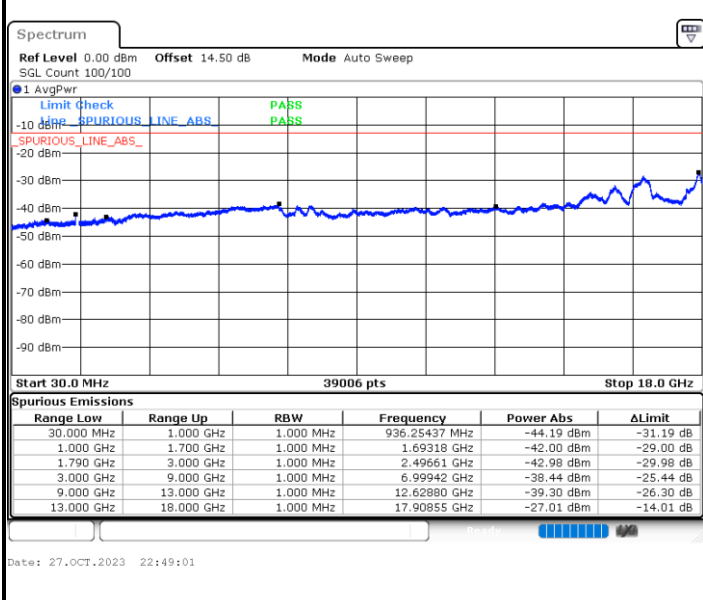


Date: 27.OCT.2023 22:22:13

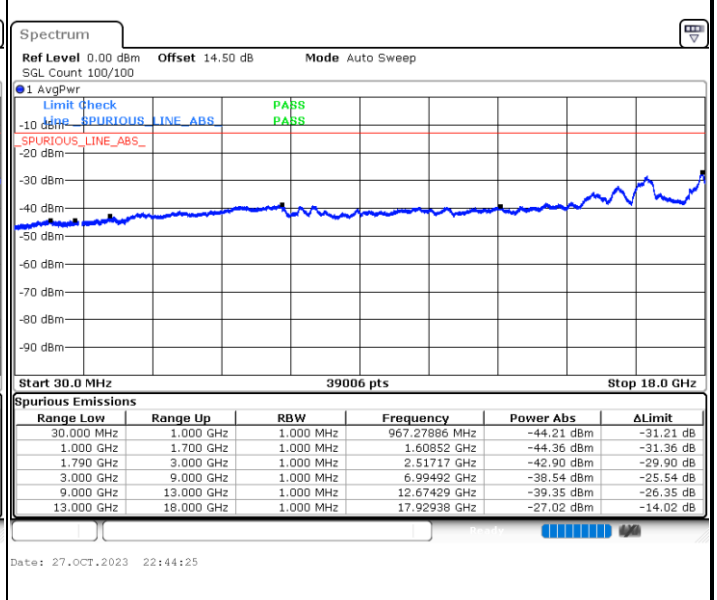


LTE Band 66 / 10MHz

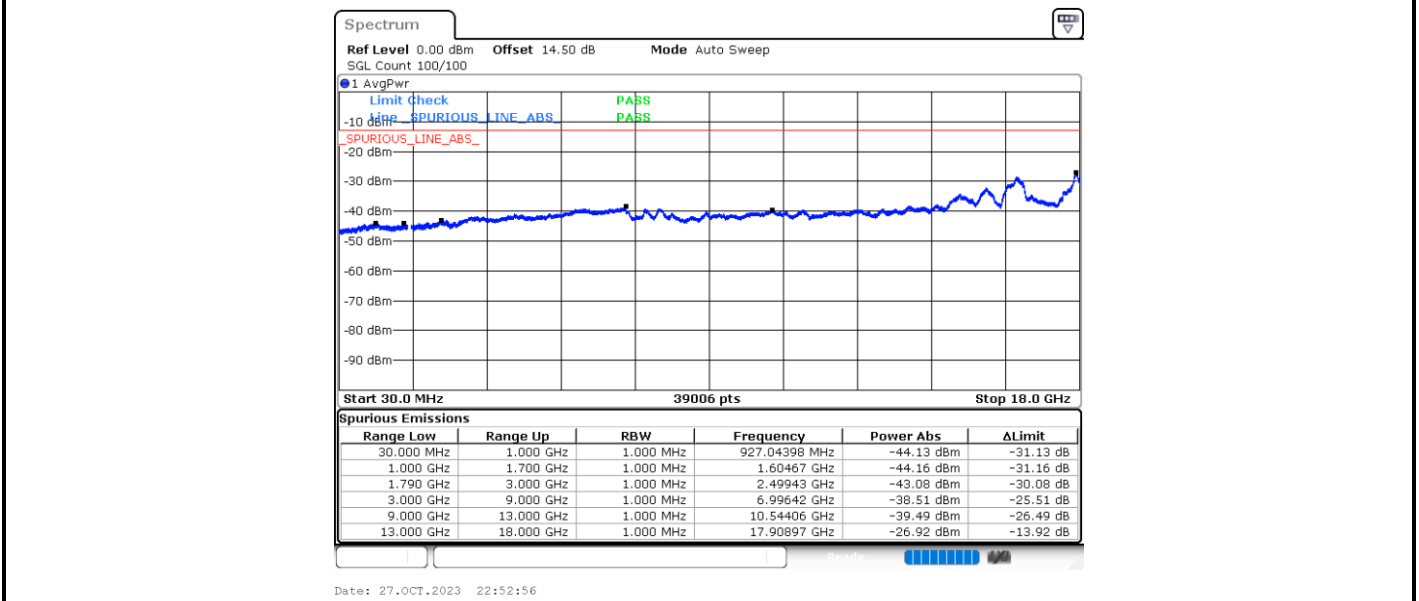
Lowest Channel / QPSK



Middle Channel / QPSK



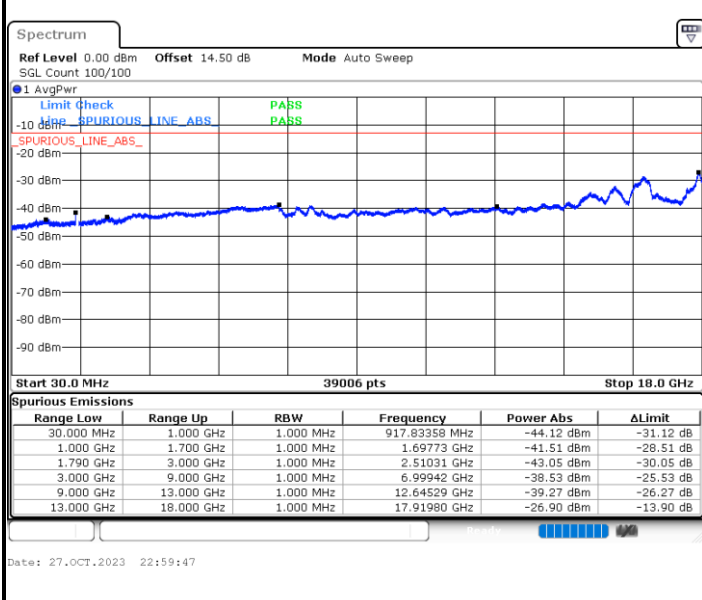
Highest Channel / QPSK



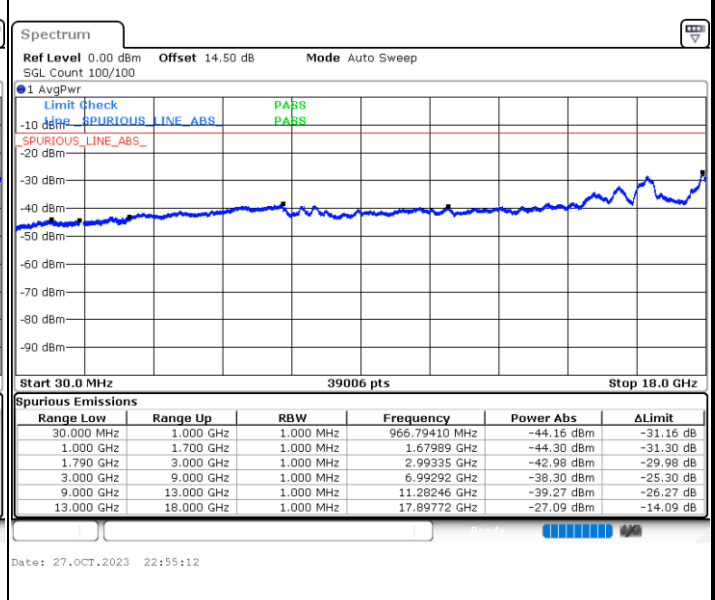


LTE Band 66 / 15MHz

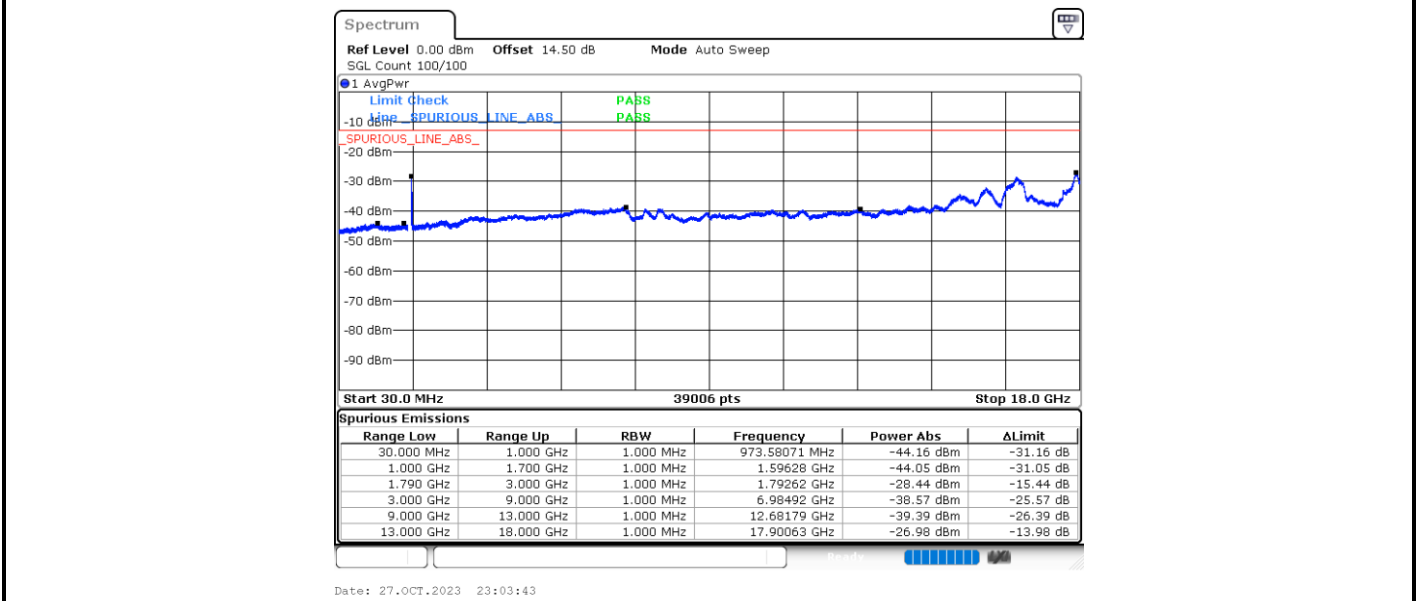
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

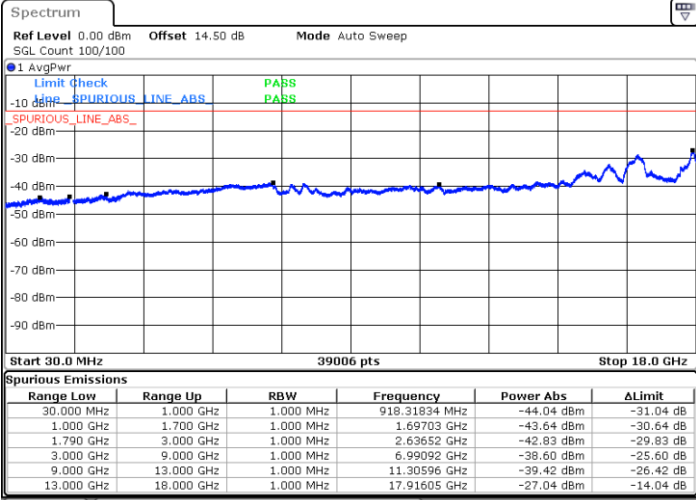




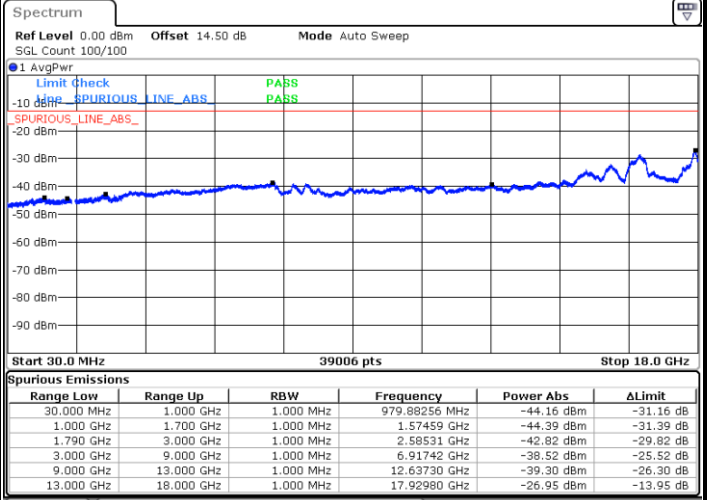
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

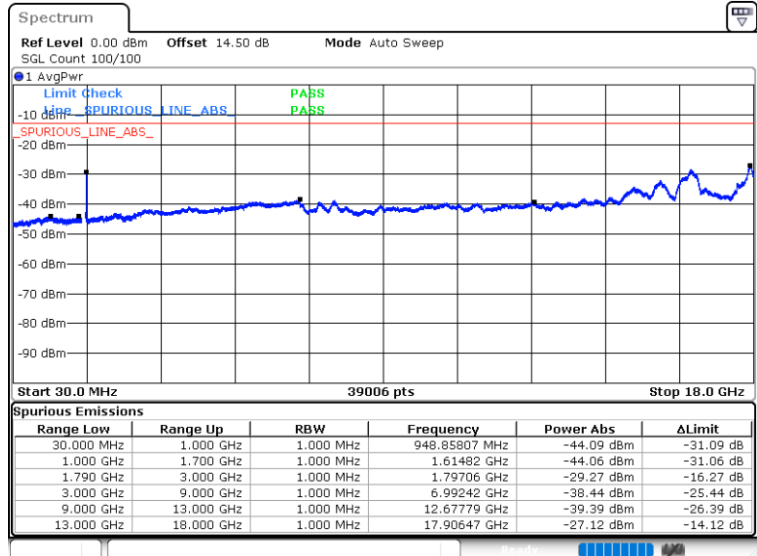


Date: 27.OCT.2023 23:12:36



Date: 27.OCT.2023 23:05:59

Highest Channel / QPSK



Date: 27.OCT.2023 23:16:31



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

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 :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

<For Sample 1>:

LTE Band 2 / 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	3742.18	-62.85	-13	-49.85	-78.56	-69.60	5.85	12.60	H
	5613.27	-57.62	-13	-44.62	-76.38	-63.42	7.30	13.10	H
	7484.36	-51.38	-13	-38.38	-76.27	-54.53	8.35	11.50	H
	3742.18	-62.86	-13	-49.86	-78.19	-69.61	5.85	12.60	V
	5613.27	-61.38	-13	-48.38	-79.62	-67.18	7.30	13.10	V
	7484.36	-52.85	-13	-39.85	-78.13	-56.00	8.35	11.50	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	5052.18	-60.32	-25	-35.32	-79.68	-65.88	7.14	12.70	H
	7578.27	-54.29	-25	-29.29	-79.05	-57.59	8.30	11.60	H
	10104.36	-51.24	-25	-26.24	-79.67	-52.76	10.48	12.00	H
	5052.18	-60.14	-25	-35.14	-79.39	-65.70	7.14	12.70	V
	7578.27	-54.24	-25	-29.24	-79.48	-57.54	8.30	11.60	V
	10104.36	-52.69	-25	-27.69	-79.78	-54.21	10.48	12.00	V

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

LTE Band 13 / 5MHz / QPSK / SKU1									
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	1559.5	-64.11	-42.15	-21.96	-73.32	-67.36	4.00	9.40	H
	2339.25	-62.84	-13	-49.84	-74.87	-66.41	4.88	10.60	H
	3119	-60.76	-13	-47.76	-75.92	-65.69	5.52	12.60	H
	1559.5	-64.49	-42.15	-22.34	-73.47	-67.74	4.00	9.40	V
	2339.25	-61.97	-13	-48.97	-74.01	-65.54	4.88	10.60	V
	3119	-60.46	-13	-47.46	-75.43	-65.39	5.52	12.60	V

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



LTE Band 26 / 15MHz / 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	1649.5	-66.31	-13	-53.31	-74.05	-69.56	4.00	9.40	H
	2474.5	-63.84	-13	-50.84	-75.29	-67.41	4.88	10.60	H
	3299	-62.60	-13	-49.60	-76.84	-67.53	5.52	12.60	H
	1649.5	-63.91	-13	-50.91	-71.70	-67.16	4.00	9.40	V
	2474.5	-64.04	-13	-51.04	-75.52	-67.61	4.88	10.60	V
	3299	-62.73	-13	-49.73	-76.89	-67.66	5.52	12.60	V

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

LTE Band 38 / 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	-60.98	-25	-35.98	-80.22	-66.54	7.14	12.70	H
	7758.00	-54.70	-25	-29.70	-79.12	-58.00	8.30	11.60	H
	10344.00	-51.28	-25	-26.28	-79.79	-52.80	10.48	12.00	H
	5172.00	-61.55	-25	-36.55	-80.47	-67.11	7.14	12.70	V
	7758.00	-54.19	-25	-29.19	-79.25	-57.49	8.30	11.60	V
	10344.00	-52.10	-25	-27.10	-79.62	-53.62	10.48	12.00	V

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

LTE Band 66 / 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	3492	-57.97	-13	-44.97	-72.52	-64.82	5.65	12.50	H
	5238	-56.44	-13	-43.44	-75.23	-62.11	7.13	12.80	H
	6984	-51.19	-13	-38.19	-74.28	-54.59	8.40	11.80	H
	3492	-53.14	-13	-40.14	-67.73	-59.99	5.65	12.50	V
	5238	-60.50	-13	-47.50	-78.86	-66.17	7.13	12.80	V
	6984	-53.42	-13	-40.42	-76.71	-56.82	8.40	11.80	V

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



<For Sample 2>:

LTE Band 13 / 5MHz / 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	1559.5	-63.58	-42.15	-21.43	-72.79	-66.83	4.00	9.40	H
	2339.25	-61.85	-13	-48.85	-73.88	-65.42	4.88	10.60	H
	3119	-61.18	-13	-48.18	-76.34	-66.11	5.52	12.60	H
	1559.5	-64.69	-42.15	-22.54	-73.67	-67.94	4.00	9.40	V
	2339.25	-62.57	-13	-49.57	-74.61	-66.14	4.88	10.60	V
	3119	-61.45	-13	-48.45	-76.42	-66.38	5.52	12.60	V

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

LTE Band 13 / 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	1559.5	-64.41	-42.15	-22.26	-73.62	-67.66	4.00	9.40	H
	2339.25	-62.91	-13	-49.91	-74.94	-66.48	4.88	10.60	H
	3119	-61.23	-13	-48.23	-76.39	-66.16	5.52	12.60	H
	1559.5	-64.80	-42.15	-22.65	-73.78	-68.05	4.00	9.40	V
	2339.25	-63.36	-13	-50.36	-75.40	-66.93	4.88	10.60	V
	3119	-61.45	-13	-48.45	-76.42	-66.38	5.52	12.60	V

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