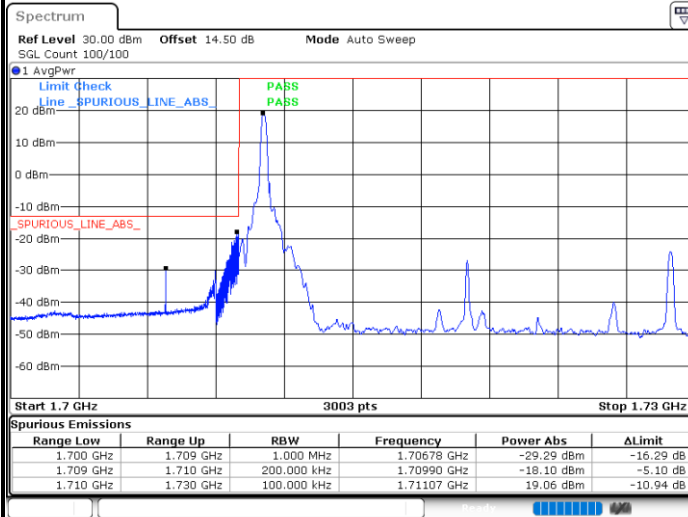


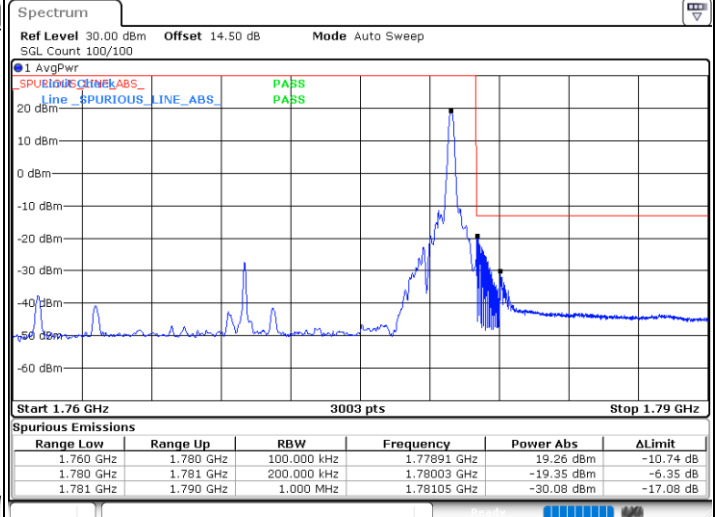


LTE Band 66 / 20MHz / 64QAM

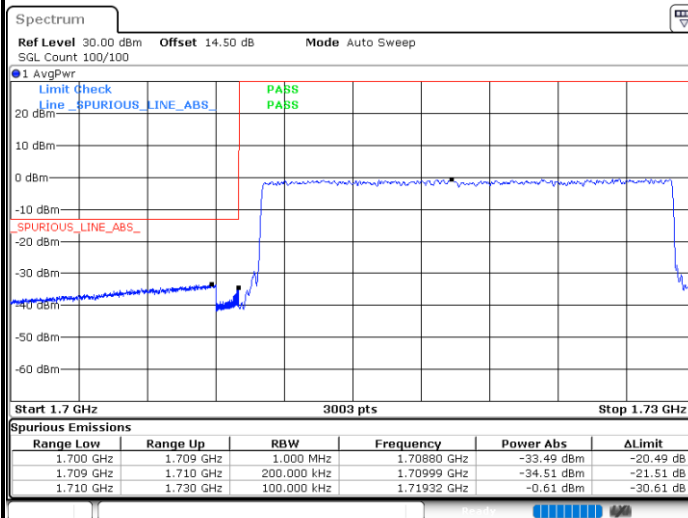
Lowest Band Edge / 1 RB



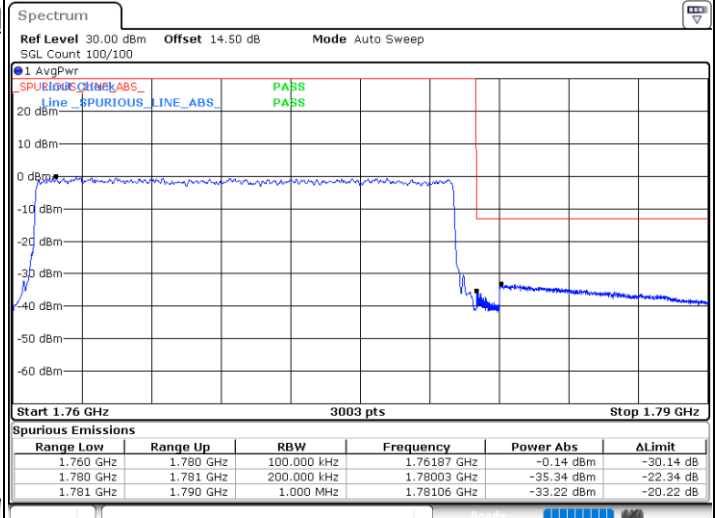
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

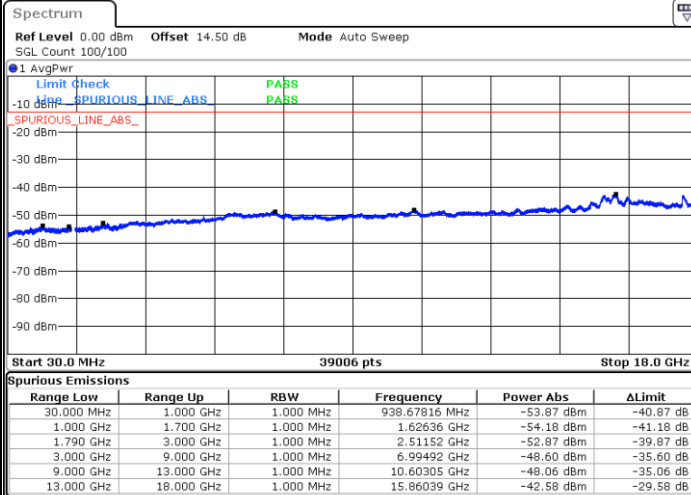




Conducted Spurious Emission

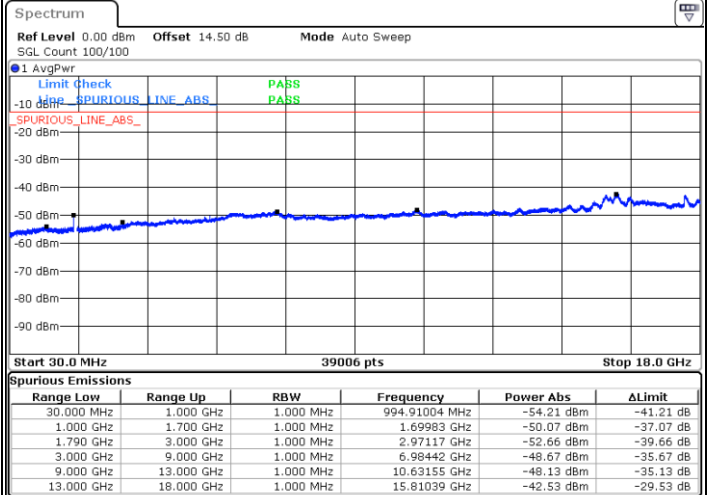
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



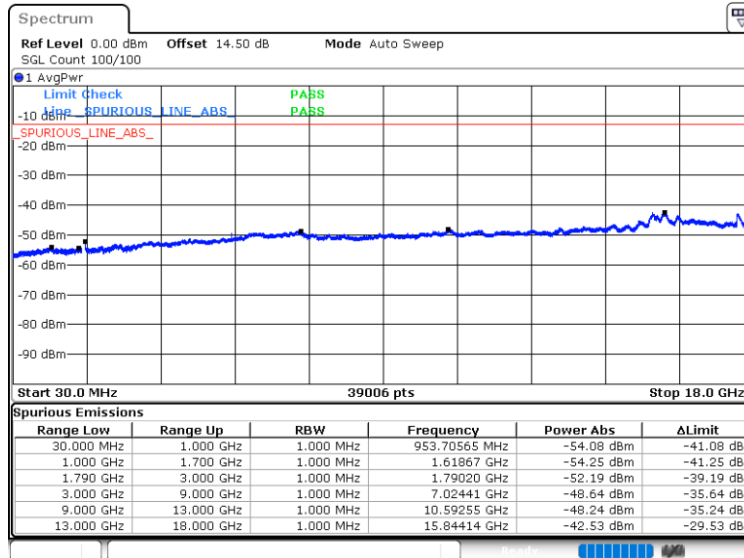
Date: 13.SEP.2024 18:42:01

Middle Channel / QPSK



Date: 13.SEP.2024 18:46:12

Highest Channel / QPSK

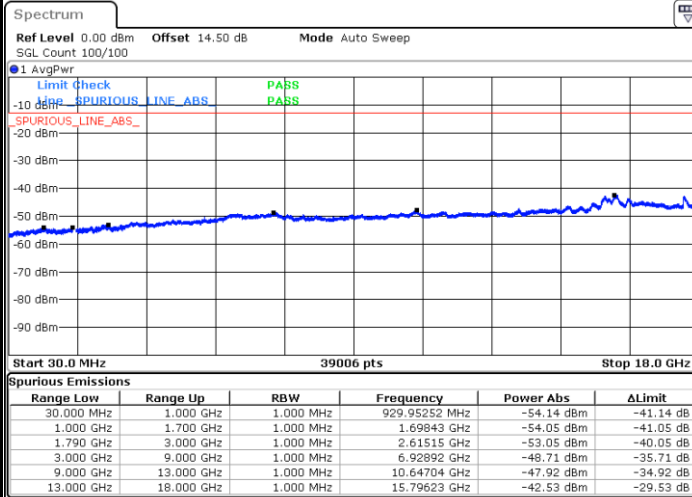


Date: 13.SEP.2024 18:51:48



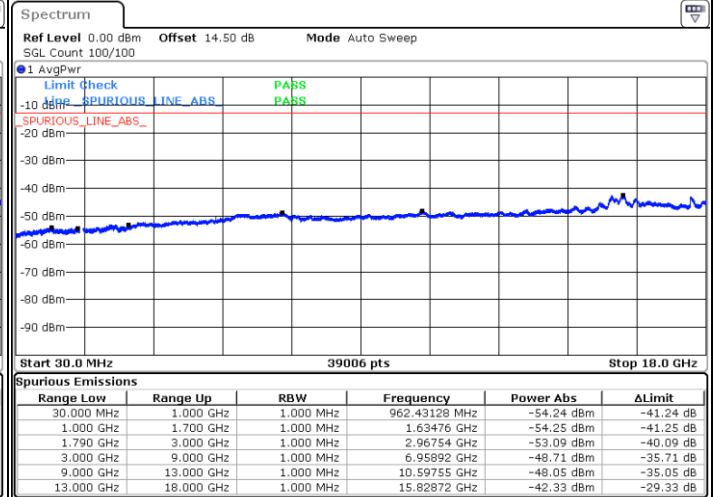
LTE Band 66 / 3MHz

Lowest Channel / QPSK



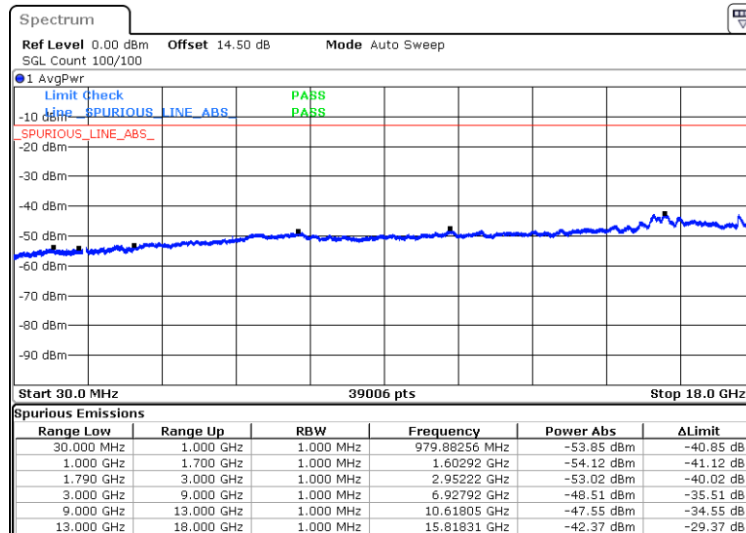
Date: 13.SEP.2024 18:58:46

Middle Channel / QPSK



Date: 13.SEP.2024 19:02:57

Highest Channel / QPSK

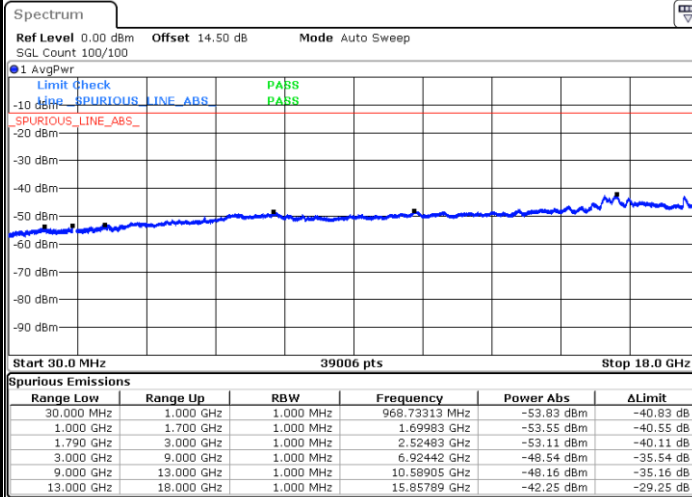


Date: 13.SEP.2024 19:11:16



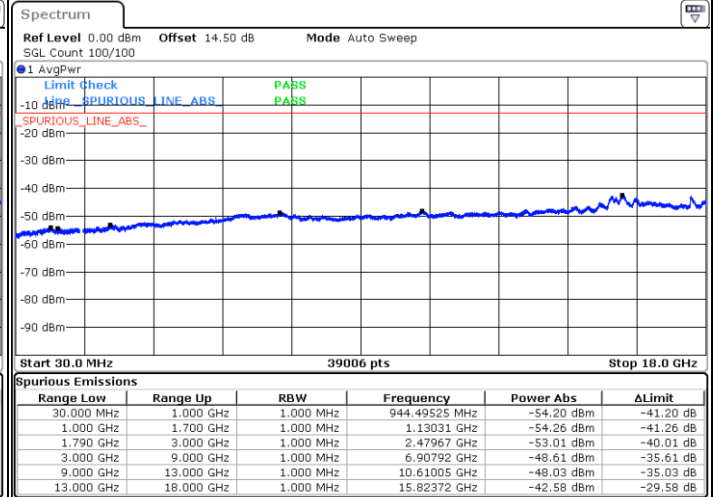
LTE Band 66 / 5MHz

Lowest Channel / QPSK



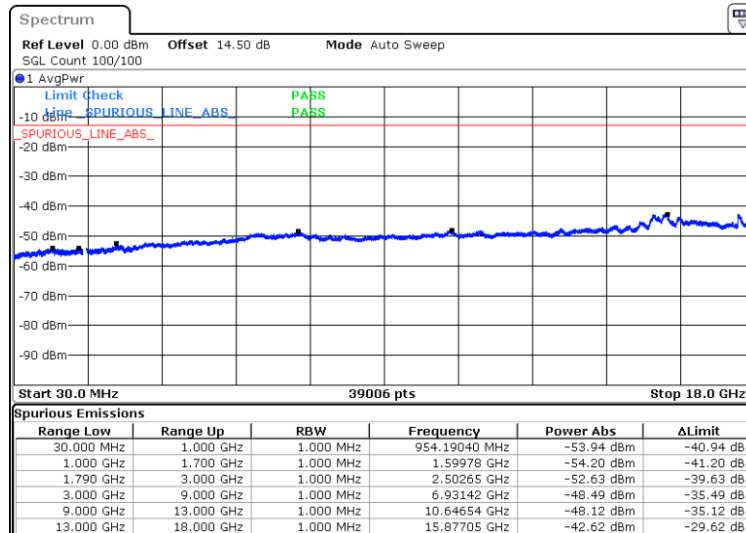
Date: 13.SEP.2024 19:15:31

Middle Channel / QPSK



Date: 13.SEP.2024 19:19:42

Highest Channel / QPSK

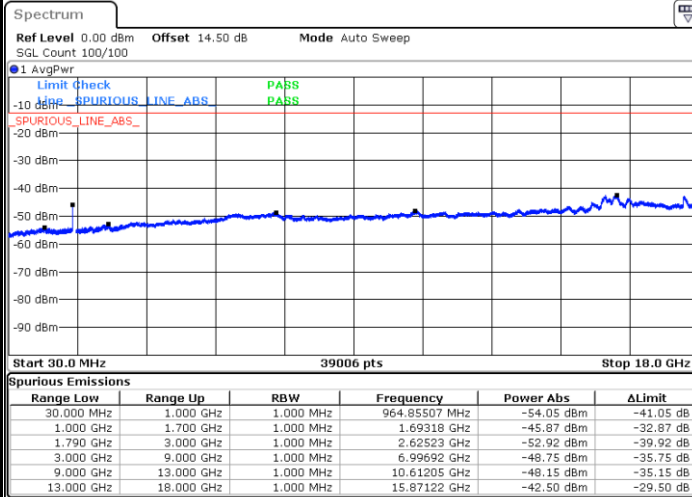


Date: 13.SEP.2024 19:28:01



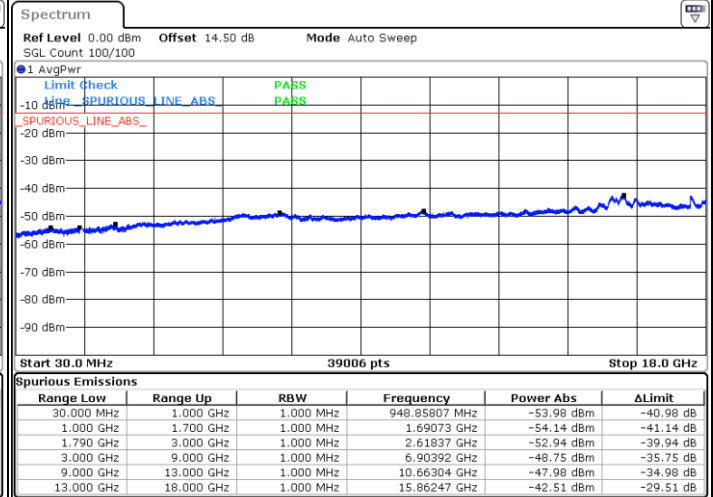
LTE Band 66 / 10MHz

Lowest Channel / QPSK



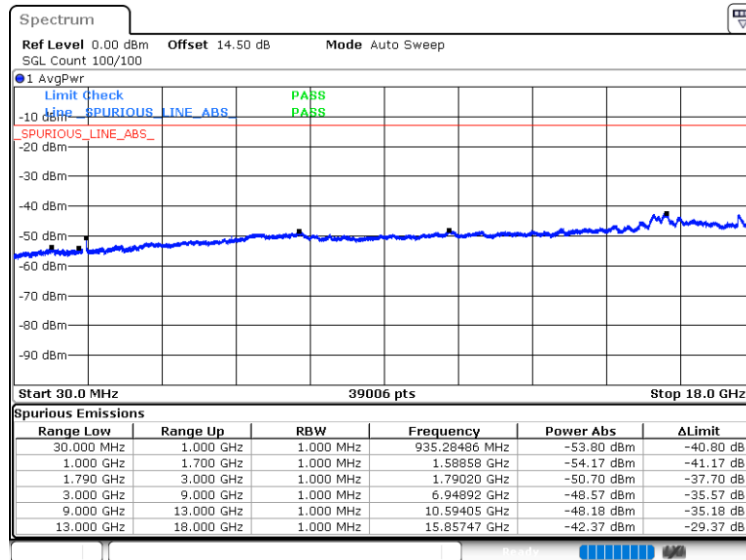
Date: 13.SEP.2024 19:35:00

Middle Channel / QPSK



Date: 13.SEP.2024 19:36:27

Highest Channel / QPSK

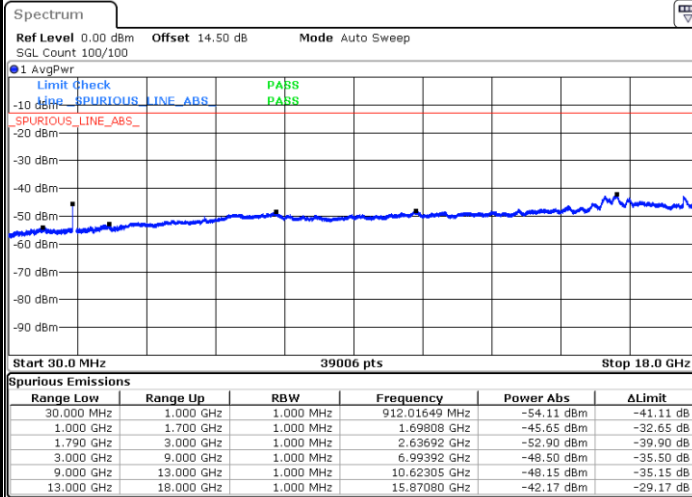


Date: 13.SEP.2024 19:44:47



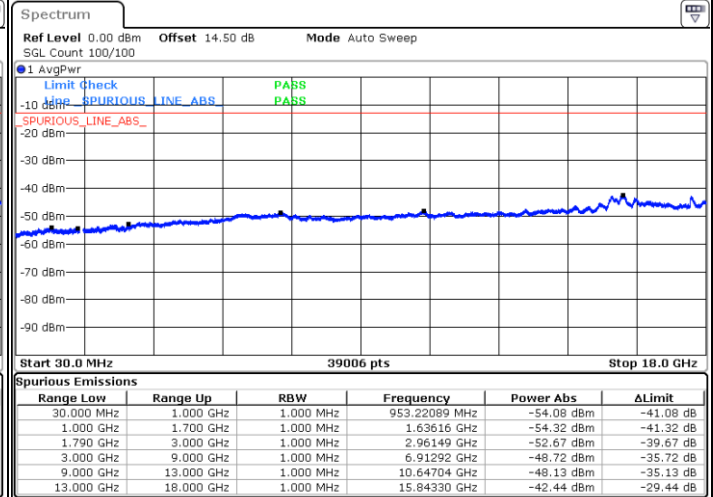
LTE Band 66 / 15MHz

Lowest Channel / QPSK



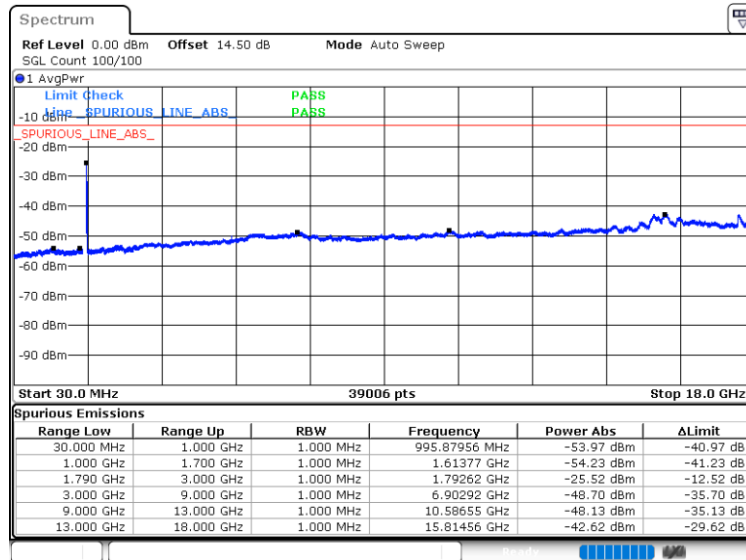
Date: 13.SEP.2024 19:51:45

Middle Channel / QPSK



Date: 13.SEP.2024 19:53:12

Highest Channel / QPSK

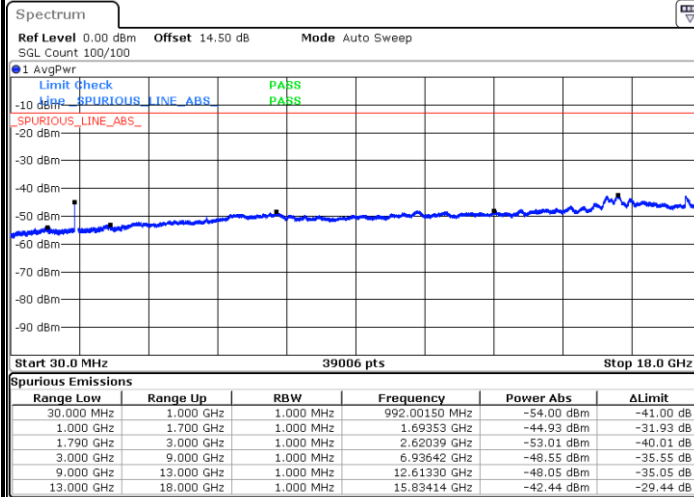


Date: 13.SEP.2024 20:01:32



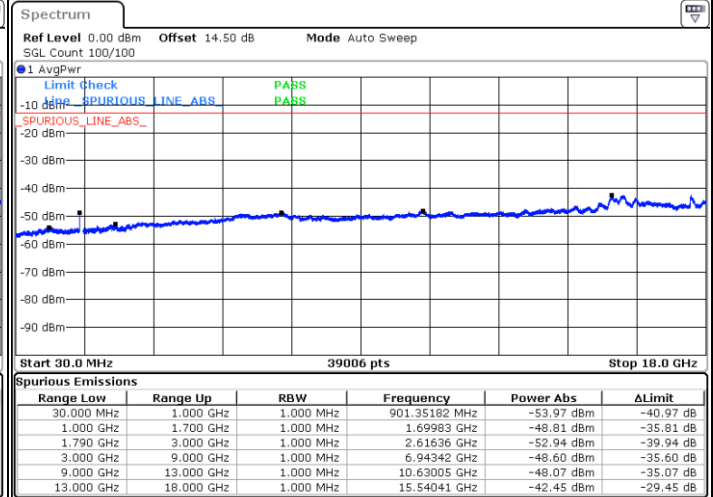
LTE Band 66 / 20MHz

Lowest Channel / QPSK



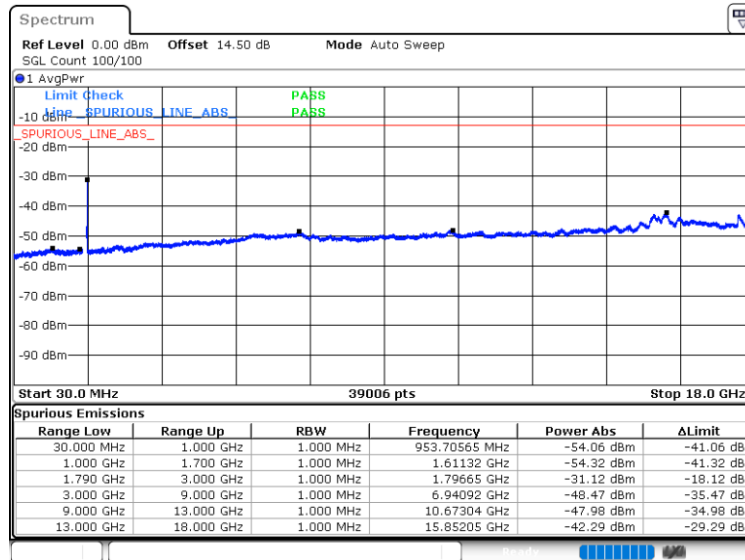
Date: 13.SEP.2024 20:08:30

Middle Channel / QPSK



Date: 13.SEP.2024 20:09:58

Highest Channel / QPSK



Date: 13.SEP.2024 20:19:50

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	0.0002	PASS
40	Normal Voltage	0.0058	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

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 :	Shunping You / Reid Huang	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pretest all the supported Antennas, only the worst results are shown in the report.

For Sample 1:

LTE Band 2 / 20MHz / QPSK / Ant.0									
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	-64.17	-13	-51.17	-78.80	-70.92	5.85	12.60	H
	5613.27	-62.62	-13	-49.62	-80.34	-68.42	7.30	13.10	H
	7484.36	-57.28	-13	-44.28	-79.69	-60.43	8.35	11.50	H
	3742.18	-63.70	-13	-50.70	-78.54	-70.45	5.85	12.60	V
	5613.27	-62.64	-13	-49.64	-80.27	-68.44	7.30	13.10	V
	7484.36	-57.66	-13	-44.66	-80	-60.81	8.35	11.50	V

LTE Band 7 / 20MHz / QPSK / Ant.0									
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	-61.90	-25	-36.90	-79.32	-67.46	7.14	12.70	H
	7578.27	-56.76	-25	-31.76	-78.95	-60.06	8.30	11.60	H
	10104.36	-52.48	-25	-27.48	-79.57	-54.00	10.48	12.00	H
	5052.18	-61.85	-25	-36.85	-79.2	-67.41	7.14	12.70	V
	7578.27	-56.79	-25	-31.79	-78.78	-60.09	8.30	11.60	V
	10104.36	-52.63	-25	-27.63	-79.23	-54.15	10.48	12.00	V

LTE Band 13 / 5MHz / QPSK / Ant.0									
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	-66.62	-42.15	-24.47	-73.40	-69.87	4.00	9.40	H
	2339.25	-64.23	-13	-51.23	-75.02	-67.80	4.88	10.60	H
	3119	-63.06	-13	-50.06	-75.95	-67.99	5.52	12.60	H
	1559.5	-66.00	-42.15	-23.85	-72.99	-69.25	4.00	9.40	V
	2339.25	-63.53	-13	-50.53	-74.71	-67.10	4.88	10.60	V
	3119	-62.67	-13	-49.67	-76.07	-67.60	5.52	12.60	V



LTE Band 13 / 10MHz / QPSK / Ant.0									
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	-66.53	-42.15	-24.38	-73.31	-69.78	4.00	9.40	H
	2339.25	-64.08	-13	-51.08	-74.87	-67.65	4.88	10.60	H
	3119	-63.27	-13	-50.27	-76.16	-68.20	5.52	12.60	H
	1559.5	-66.34	-42.15	-24.19	-73.33	-69.59	4.00	9.40	V
	2339.25	-64.34	-13	-51.34	-75.52	-67.91	4.88	10.60	V
	3119	-62.49	-13	-49.49	-75.89	-67.42	5.52	12.60	V

LTE Band 26 / 15MHz / QPSK / Ant.0									
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	-68.08	-13	-55.08	-74.34	-71.33	4.00	9.40	H
	2474.25	-65.39	-13	-52.39	-75.74	-68.96	4.88	10.60	H
	3299	-64.50	-13	-51.50	-76.91	-69.43	5.52	12.60	H
	1649.5	-68.05	-13	-55.05	-74.19	-71.30	4.00	9.40	V
	2474.25	-65.07	-13	-52.07	-75.77	-68.64	4.88	10.60	V
	3299	-64.05	-13	-51.05	-76.91	-68.98	5.52	12.60	V

LTE Band 38 / 20MHz / QPSK / Ant.0									
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	-62.67	-25	-37.67	-80.20	-68.23	7.14	12.70	H
	7758.00	-56.52	-25	-31.52	-79.20	-59.82	8.30	11.60	H
	10344.00	-52.44	-25	-27.44	-79.45	-53.96	10.48	12.00	H
	5172.00	-62.71	-25	-37.71	-80.19	-68.27	7.14	12.70	V
	7758.00	-56.66	-25	-31.66	-79.31	-59.96	8.30	11.60	V
	10344.00	-53.08	-25	-28.08	-79.87	-54.60	10.48	12.00	V

LTE Band 66 / 20MHz / QPSK / Ant.0									
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	3472	-64.85	-13	-51.85	-77.67	-71.70	5.65	12.50	H
	5208	-63.12	-13	-50.12	-80.58	-68.79	7.13	12.80	H
	6944	-59.35	-13	-46.35	-80.26	-62.75	8.40	11.80	H
	3472	-64.23	-13	-51.23	-77.6	-71.08	5.65	12.50	V
	5208	-62.94	-13	-49.94	-80.35	-68.61	7.13	12.80	V
	6944	-59.52	-13	-46.52	-80.48	-62.92	8.40	11.80	V

**For Sample 2:**

LTE Band 13 / 5MHz / QPSK / Ant.0									
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	-66.70	-42.15	-24.55	-73.48	-69.95	4.00	9.40	H
	2339.25	-64.96	-13	-51.96	-75.75	-68.53	4.88	10.60	H
	3119	-63.20	-13	-50.20	-76.09	-68.13	5.52	12.60	H
	1559.5	-66.56	-42.15	-24.41	-73.55	-69.81	4.00	9.40	V
	2339.25	-64.57	-13	-51.57	-75.75	-68.14	4.88	10.60	V
	3119	-62.69	-13	-49.69	-76.09	-67.62	5.52	12.60	V

For Sample 3:

LTE Band 13 / 5MHz / QPSK / Ant.0									
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	-66.86	-42.15	-24.71	-73.64	-70.11	4.00	9.40	H
	2339.25	-65.05	-13	-52.05	-75.84	-68.62	4.88	10.60	H
	3119	-63.55	-13	-50.55	-76.44	-68.48	5.52	12.60	H
	1559.5	-66.84	-42.15	-24.69	-73.83	-70.09	4.00	9.40	V
	2339.25	-64.41	-13	-51.41	-75.59	-67.98	4.88	10.60	V
	3119	-62.88	-13	-49.88	-76.28	-67.81	5.52	12.60	V

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