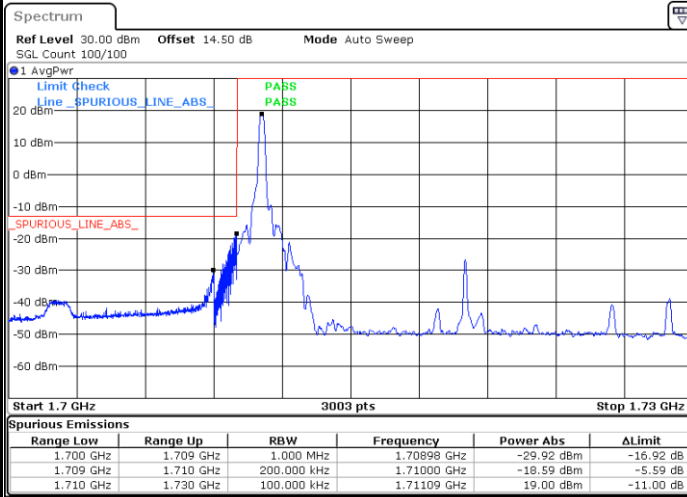




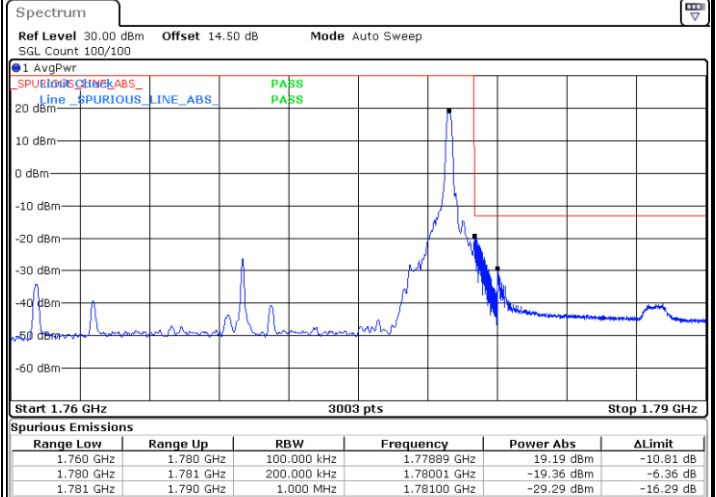
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



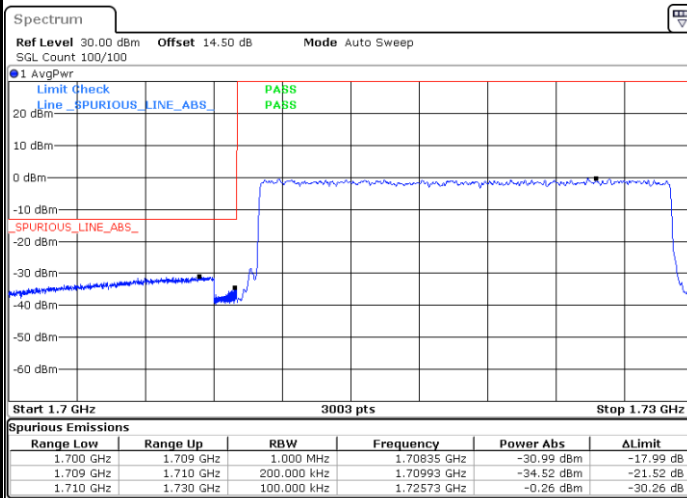
Date: 22.AUG.2023 14:21:29

Highest Band Edge / 1 RB



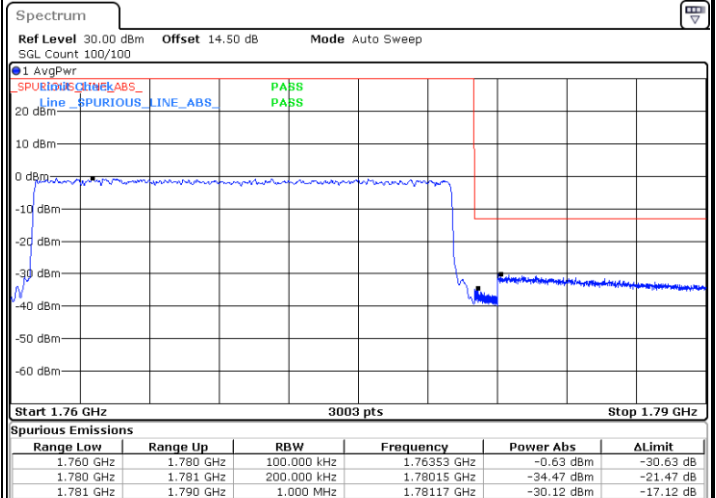
Date: 22.AUG.2023 14:31:01

Lowest Band Edge / Full RB



Date: 22.AUG.2023 14:23:47

Highest Band Edge / Full RB

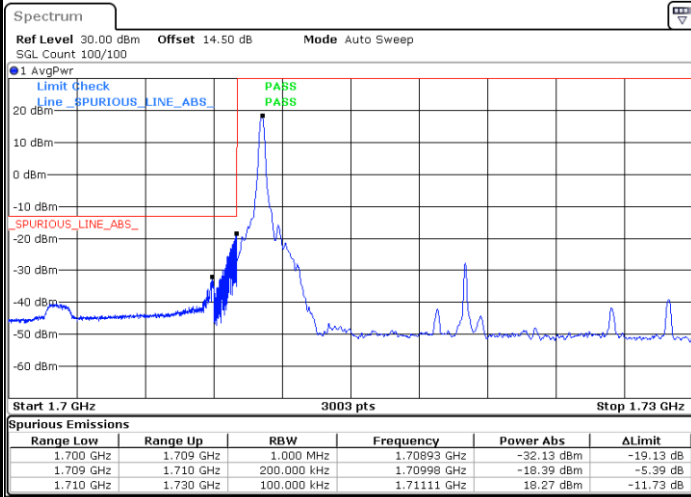


Date: 22.AUG.2023 14:33:20



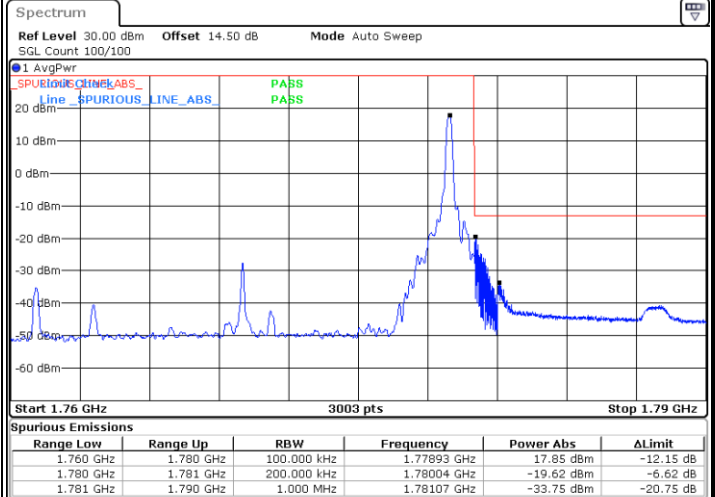
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



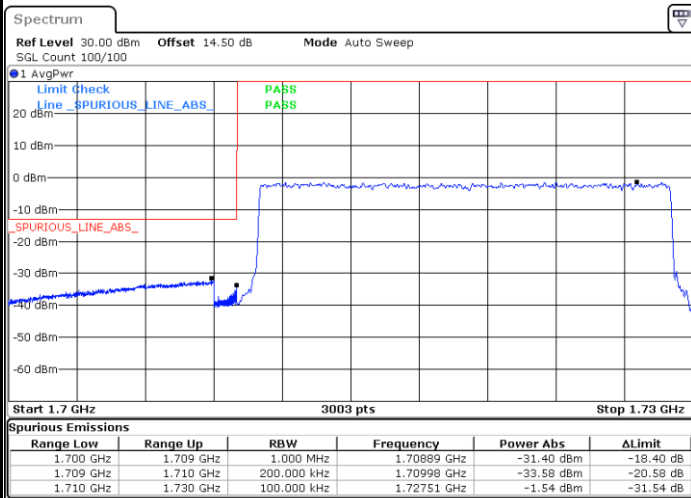
Date: 22.AUG.2023 14:22:15

Highest Band Edge / 1 RB



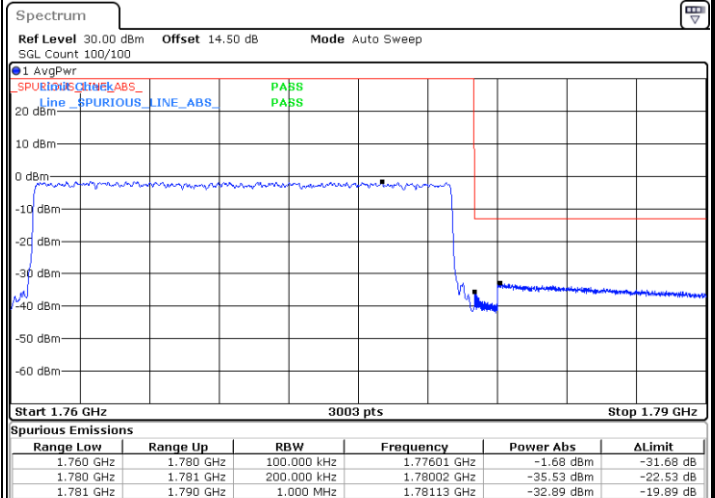
Date: 22.AUG.2023 14:31:47

Lowest Band Edge / Full RB



Date: 22.AUG.2023 14:24:33

Highest Band Edge / Full RB



Date: 22.AUG.2023 14:34:06

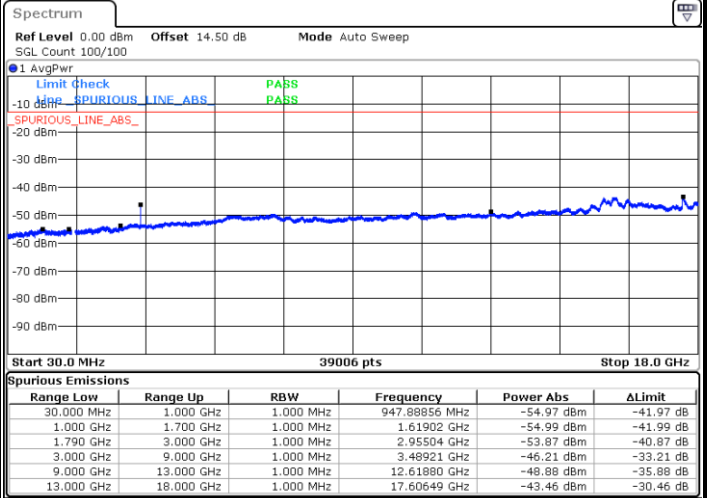
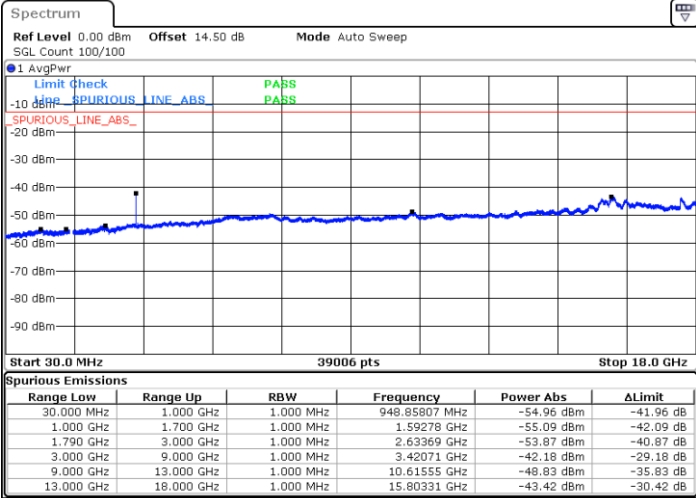


Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

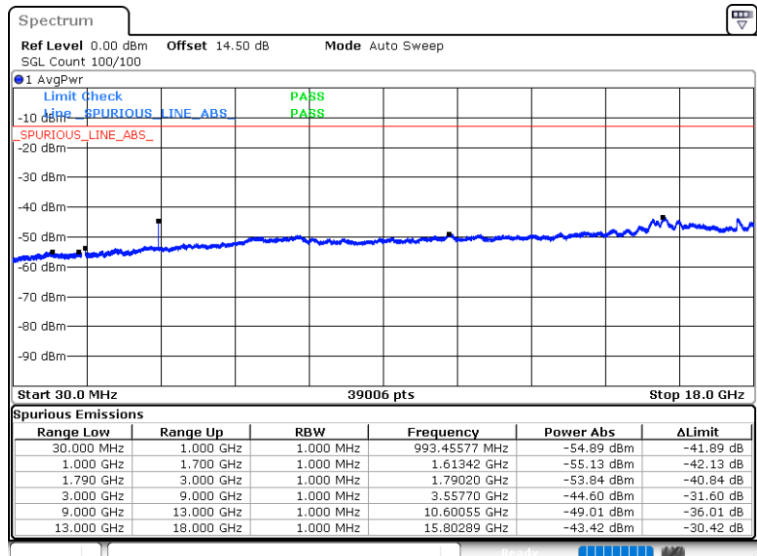
Middle Channel / QPSK



Date: 22.AUG.2023 13:12:20

Date: 22.AUG.2023 13:13:36

Highest Channel / QPSK



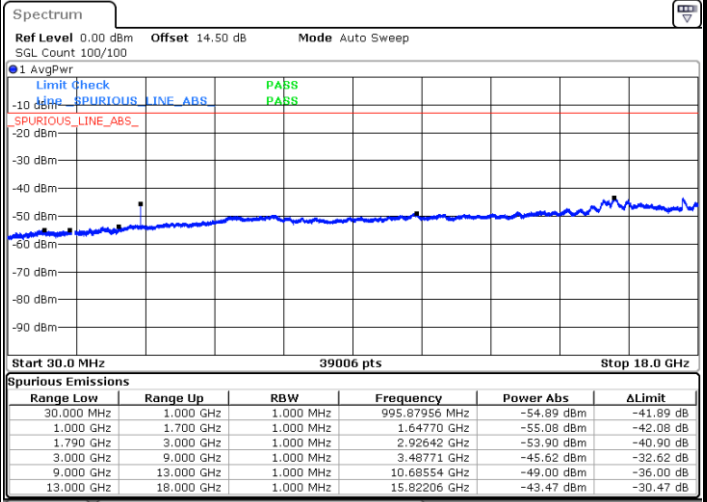
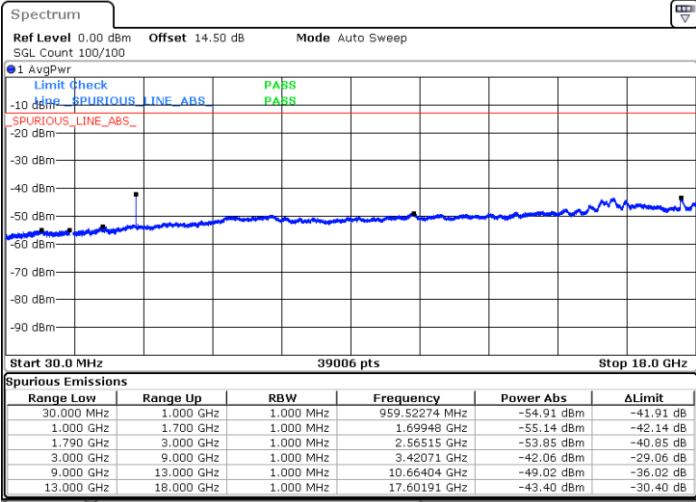
Date: 22.AUG.2023 13:18:22



LTE Band 66 / 3MHz

Lowest Channel / QPSK

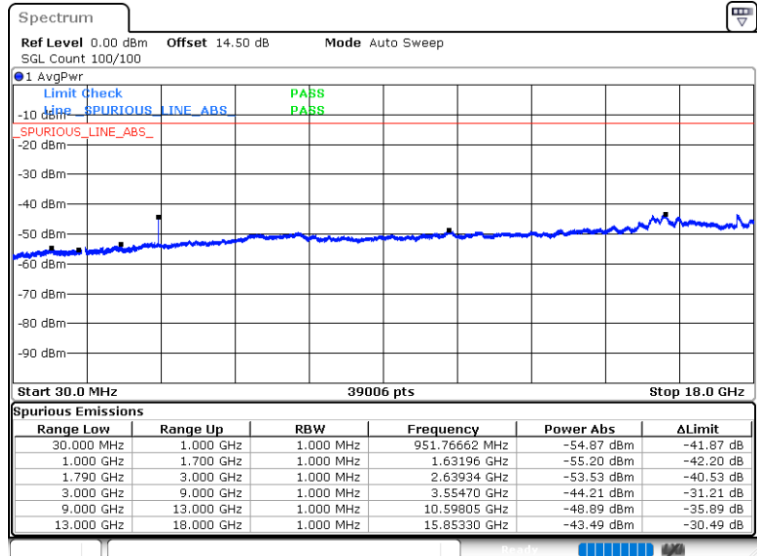
Middle Channel / QPSK



Date: 22.AUG.2023 13:24:50

Date: 22.AUG.2023 13:28:14

Highest Channel / QPSK

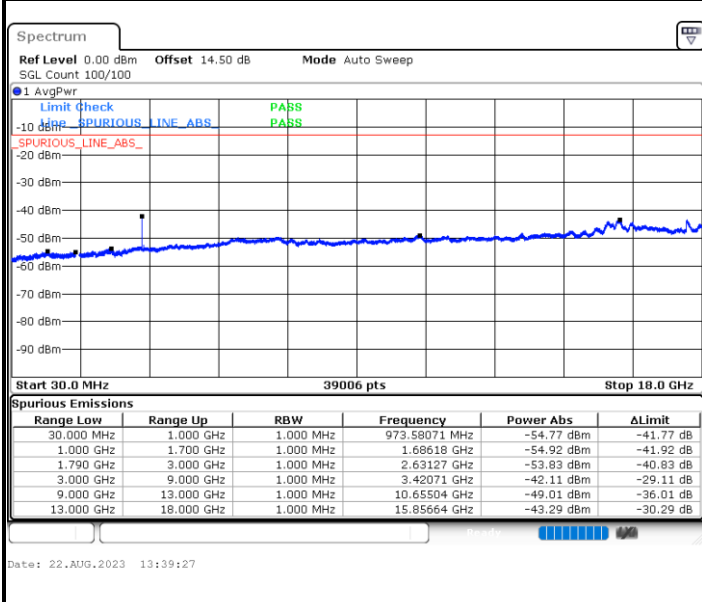


Date: 22.AUG.2023 13:35:18

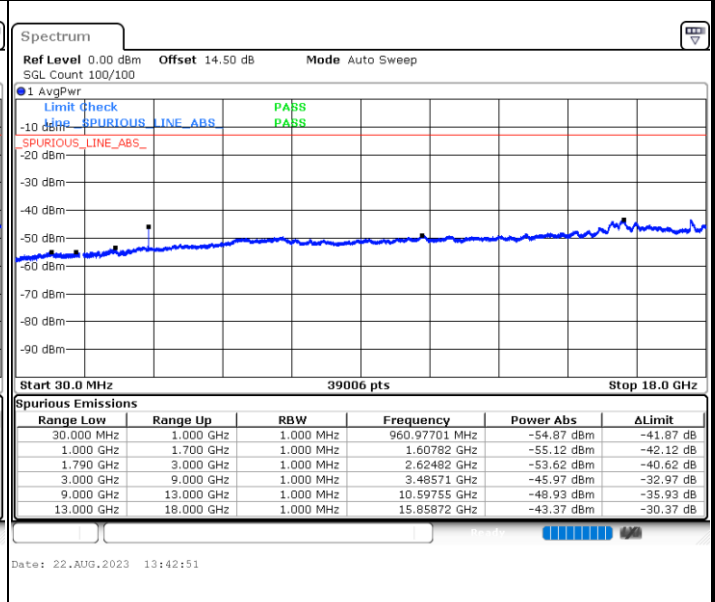


LTE Band 66 / 5MHz

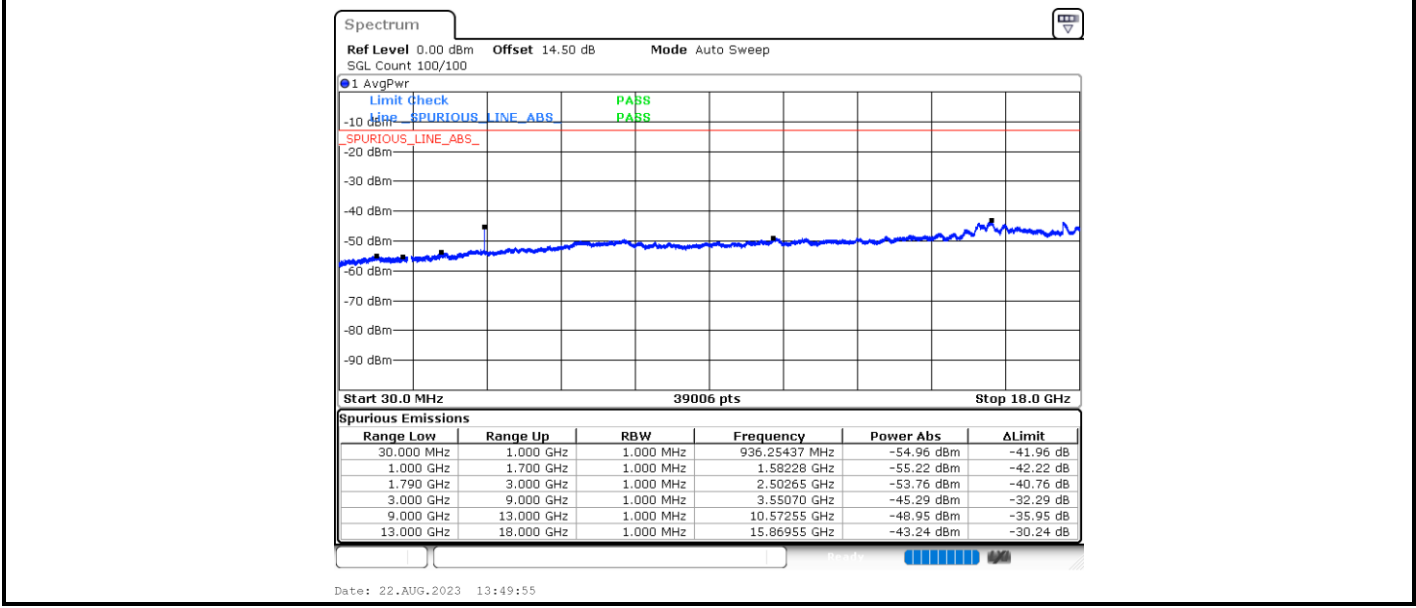
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

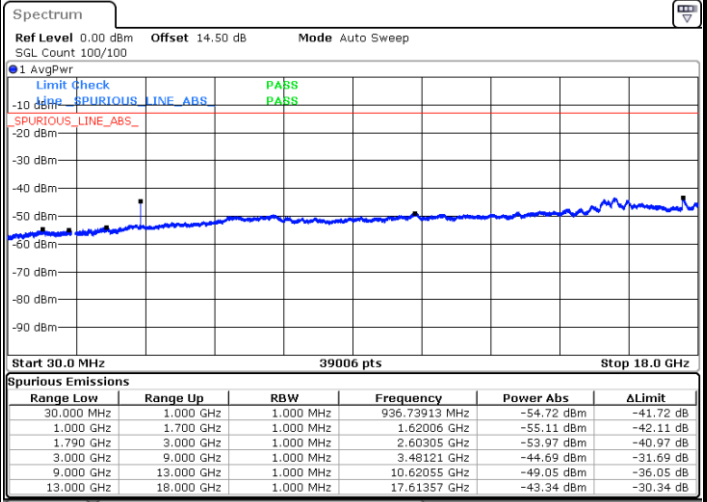
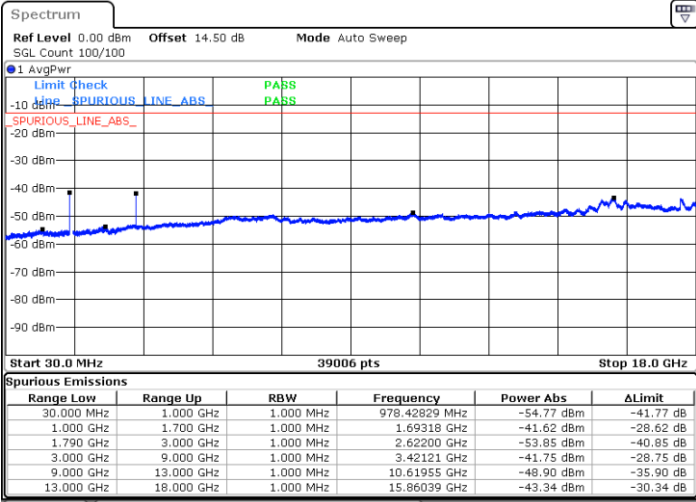




LTE Band 66 / 10MHz

Lowest Channel / QPSK

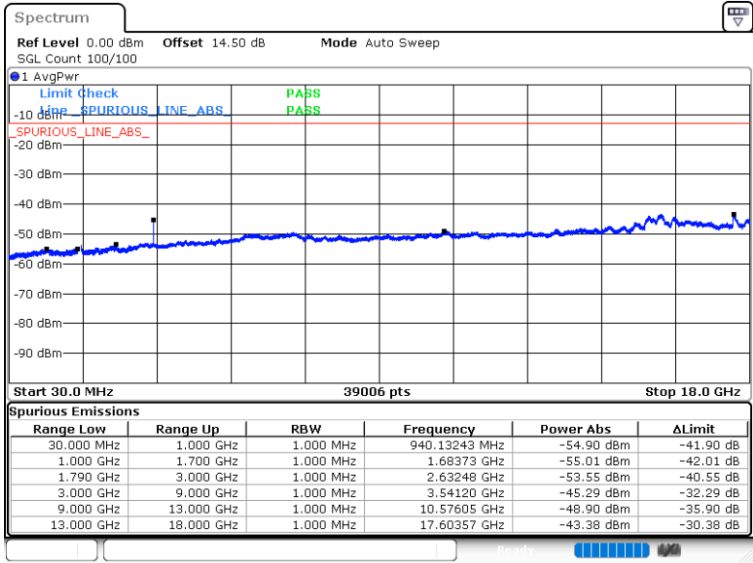
Middle Channel / QPSK



Date: 22.AUG.2023 13:56:24

Date: 22.AUG.2023 13:57:30

Highest Channel / QPSK



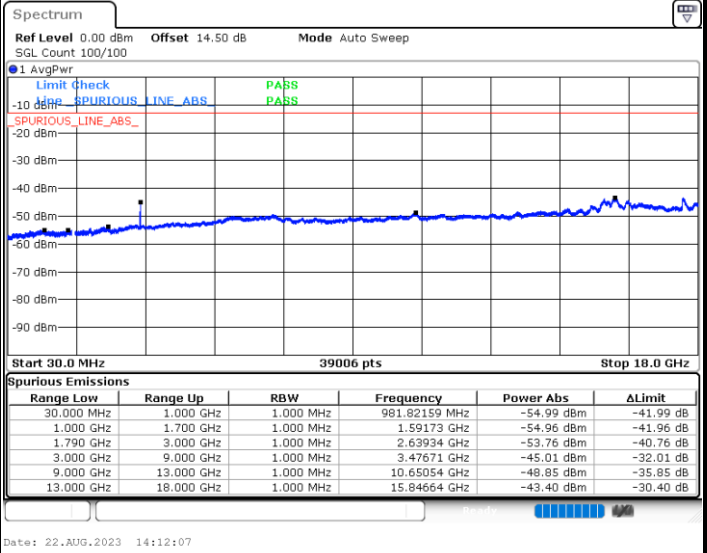
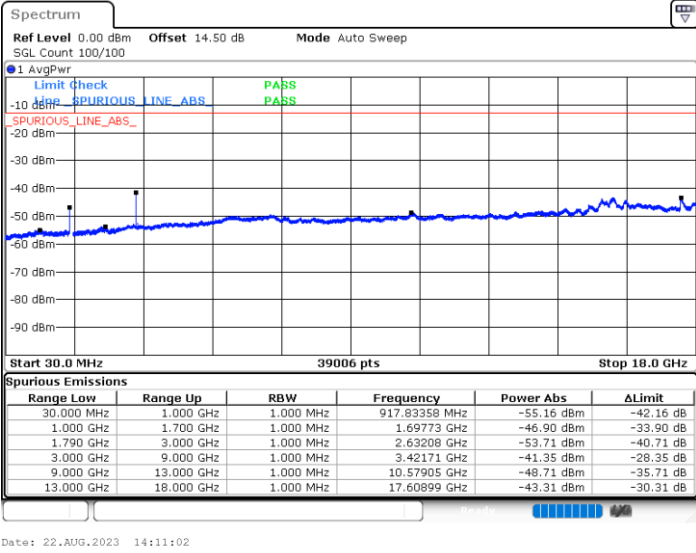
Date: 22.AUG.2023 14:04:34



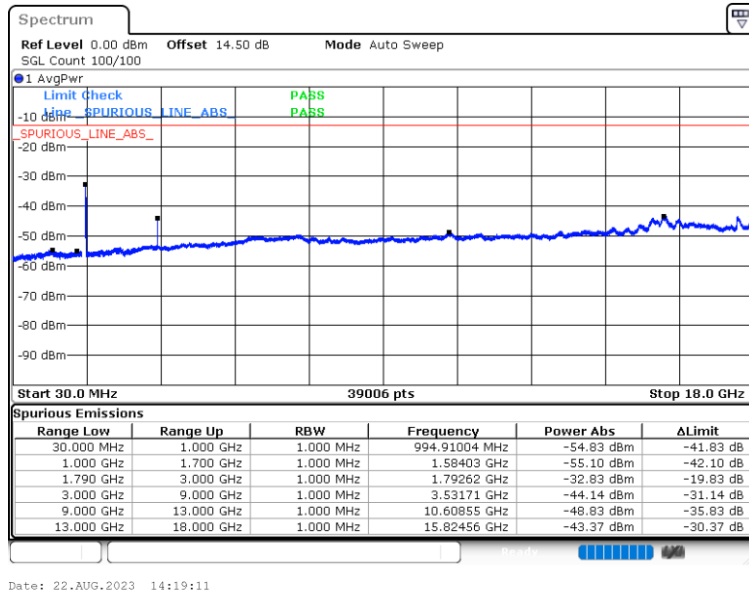
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

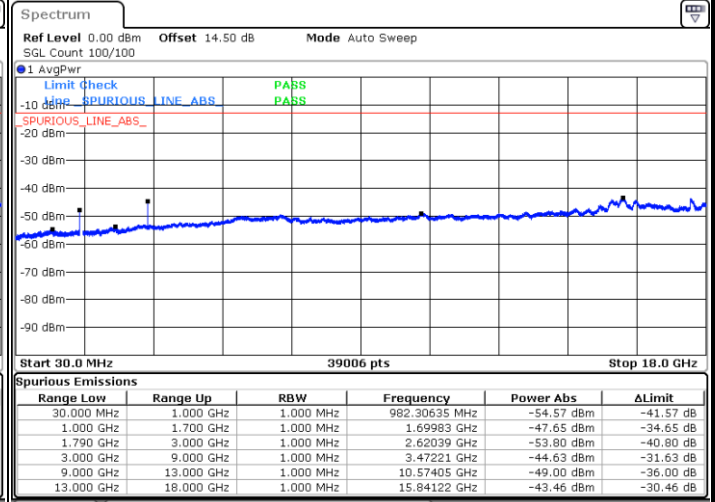
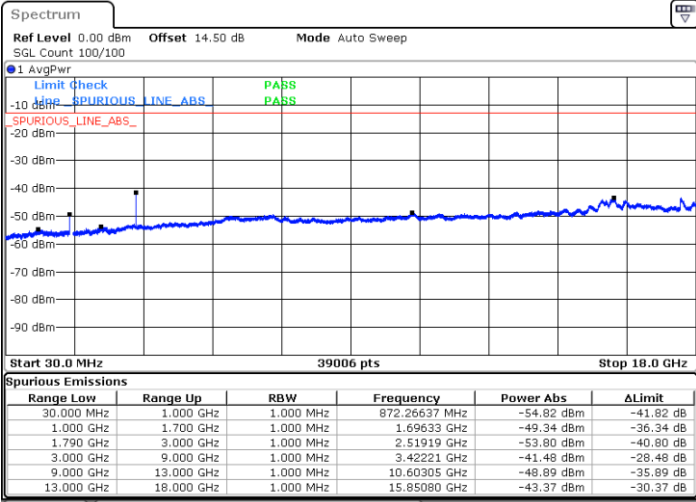




LTE Band 66 / 20MHz

Lowest Channel / QPSK

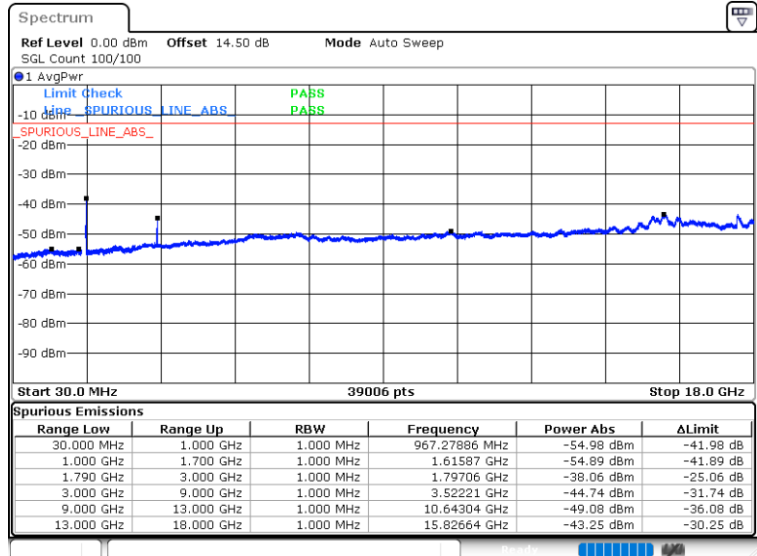
Middle Channel / QPSK



Date: 22.AUG.2023 14:25:39

Date: 22.AUG.2023 14:26:45

Highest Channel / QPSK



Date: 22.AUG.2023 14:35:12



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	0.0008	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 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%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 2 / 20MHz / QPSK ANT13									
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	-62.80	-13	-49.80	-79.41	-69.55	5.85	12.60	H
	5613.27	-60.78	-13	-47.78	-80.96	-66.58	7.30	13.10	H
	7484.36	-57.15	-13	-44.15	-81.56	-60.30	8.35	11.50	H
	3742.18	-62.62	-13	-49.62	-78.85	-69.37	5.85	12.60	V
	5613.27	-61.31	-13	-48.31	-80.97	-67.11	7.30	13.10	V
	7484.36	-56.71	-13	-43.71	-81.51	-59.86	8.35	11.50	V

LTE Band 7 / 20MHz / QPSK ANT13									
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	-61.48	-25	-36.48	-81.00	-67.04	7.14	12.70	H
	7578.27	-56.60	-25	-31.60	-80.86	-59.90	8.30	11.60	H
	10104.36	-53.53	-25	-28.53	-81.20	-55.05	10.48	12.00	H
	5052.18	-62.03	-25	-37.03	-81.44	-67.59	7.14	12.70	V
	7578.27	-55.99	-25	-30.99	-80.73	-59.29	8.30	11.60	V
	10104.36	-53.58	-25	-28.58	-79.91	-55.10	10.48	12.00	V

LTE Band 13 / 5MHz / QPSK ANT31									
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	-65.62	-42.15	-23.47	-74.83	-68.87	4.00	9.40	H
	2339.25	-62.04	-13	-49.04	-74.07	-65.61	4.88	10.60	H
	3119	-62.88	-13	-49.88	-78.04	-67.81	5.52	12.60	H
	1559.5	-65.43	-42.15	-23.28	-74.41	-68.68	4.00	9.40	V
	2339.25	-59.71	-13	-46.71	-71.75	-63.28	4.88	10.60	V
	3119	-63.14	-13	-50.14	-78.11	-68.07	5.52	12.60	V



LTE Band 13 / 10MHz / QPSK ANT31									
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	-65.67	-42.15	-23.52	-74.88	-68.92	4.00	9.40	H
	2339.25	-64.22	-13	-51.22	-76.25	-67.79	4.88	10.60	H
	3119	-62.73	-13	-49.73	-77.89	-67.66	5.52	12.60	H
	1559.5	-65.85	-42.15	-23.70	-74.83	-69.10	4.00	9.40	V
	2339.25	-64.07	-13	-51.07	-76.11	-67.64	4.88	10.60	V
	3119	-63.22	-13	-50.22	-78.19	-68.15	5.52	12.60	V

LTE Band 26 / 15MHz / QPSK ANT31									
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	-66.45	-13	-53.45	-74.47	-69.70	4.00	9.40	H
	2474.5	-54.63	-13	-41.63	-66.83	-58.20	4.88	10.60	H
	3299	-60.16	-13	-47.16	-75.38	-65.09	5.52	12.60	H
	4123.75	-58.50	-13	-45.50	-76.19	-62.97	6.00	12.62	H
	1649.5	-66.62	-13	-53.62	-74.69	-69.87	4.00	9.40	V
	2474.5	-55.11	-13	-42.11	-67.34	-58.68	4.88	10.60	V
	3299	-61.78	-13	-48.78	-76.92	-66.71	5.52	12.60	V
	4123.75	-59.10	-13	-46.10	-76.85	-63.57	6.00	12.62	V

LTE Band 41 / 20MHz / QPSK ANT13									
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	-60.92	-25	-35.92	-80.71	-66.48	7.14	12.70	H
	7752.00	-56.62	-25	-31.62	-80.55	-59.92	8.30	11.60	H
	10336.00	-53.56	-25	-28.56	-81.40	-55.08	10.48	12.00	H
	5168.00	-61.34	-25	-36.34	-80.81	-66.90	7.14	12.70	V
	7752.00	-56.14	-25	-31.14	-80.71	-59.44	8.30	11.60	V
	10336.00	-53.59	-25	-28.59	-80.43	-55.11	10.48	12.00	V

LTE Band 66 / 20MHz / QPSK ANT13									
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	-57.86	-13	-44.86	-73.31	-64.71	5.65	12.50	H
	5238	-61.79	-13	-48.79	-81.34	-67.46	7.13	12.80	H
	6984	-57.55	-13	-44.55	-80.65	-60.95	8.40	11.80	H
	3492	-58.38	-13	-45.38	-73.87	-65.23	5.65	12.50	V
	5238	-62.29	-13	-49.29	-81.41	-67.96	7.13	12.80	V
	6984	-57.48	-13	-44.48	-80.78	-60.88	8.40	11.80	V

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