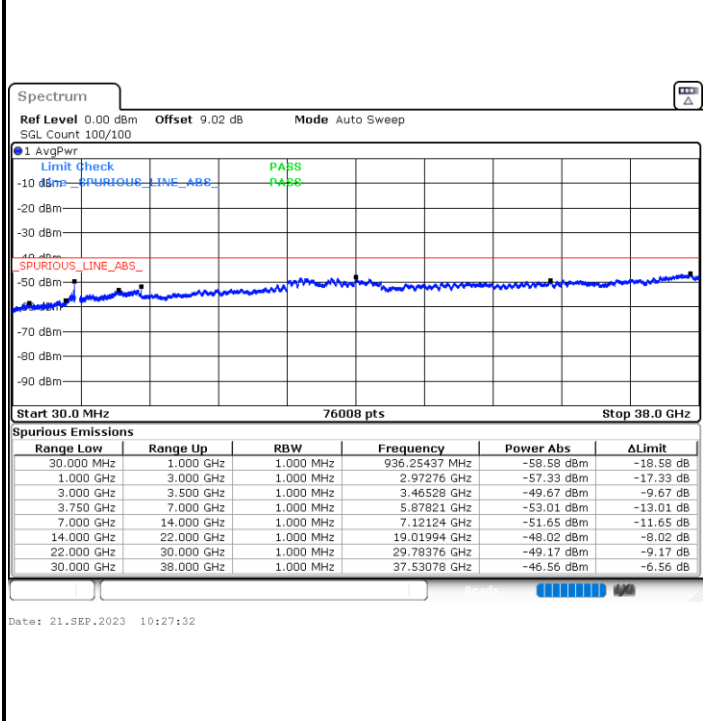
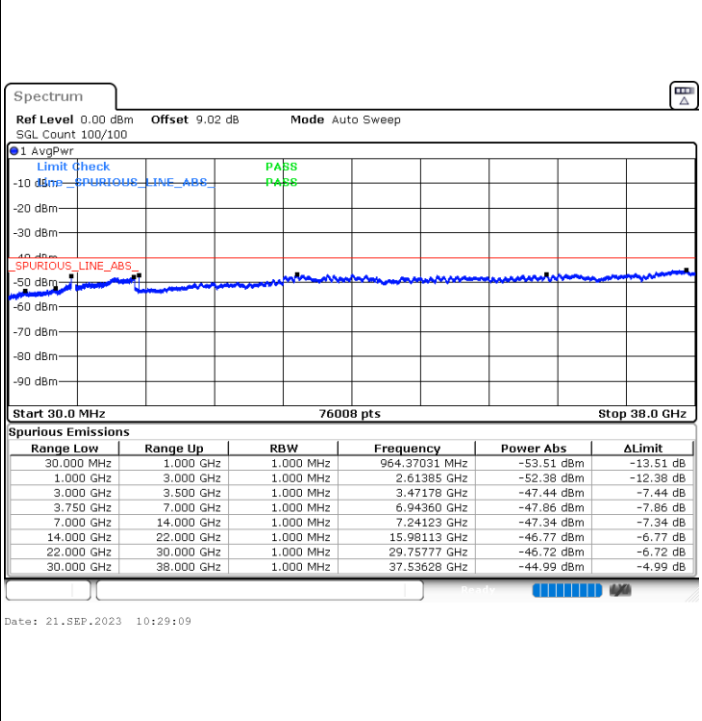




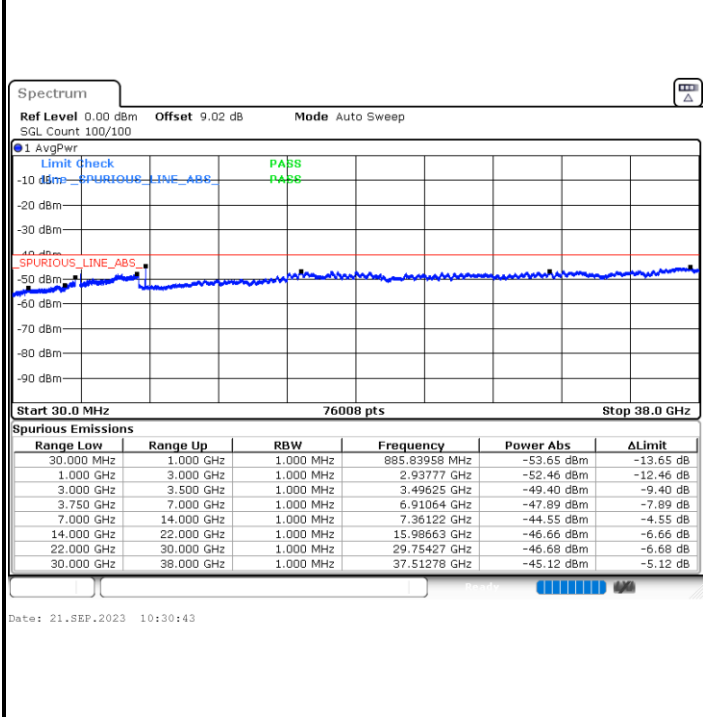
**LTE Band 48C / 10MHz+20MHz QPSK Lowest Channel / 1RB49 and 1RB0**



**LTE Band 48C / 10MHz+20MHz QPSK Middle Channel / 1RB49 and 1RB0**

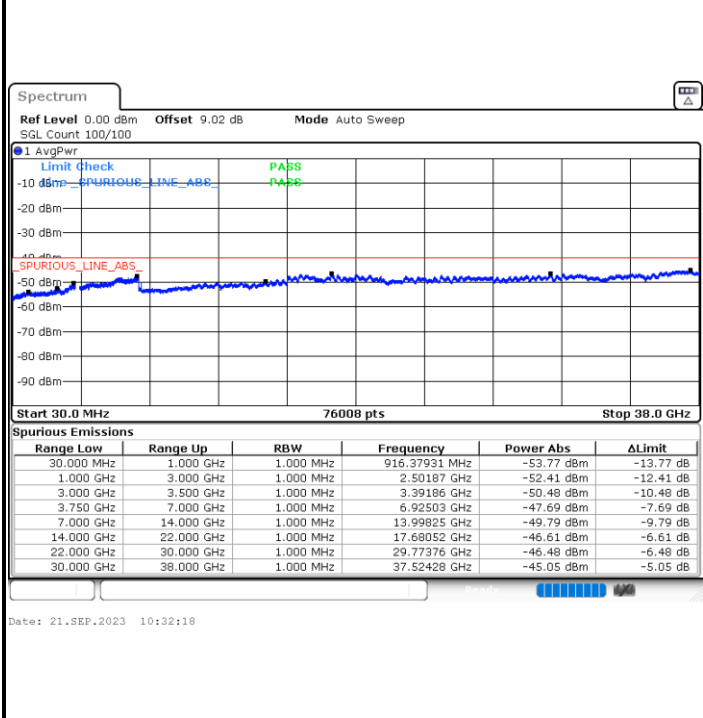


**LTE Band 48C / 10MHz+20MHz QPSK Highest Channel / 1RB49 and 1RB0**

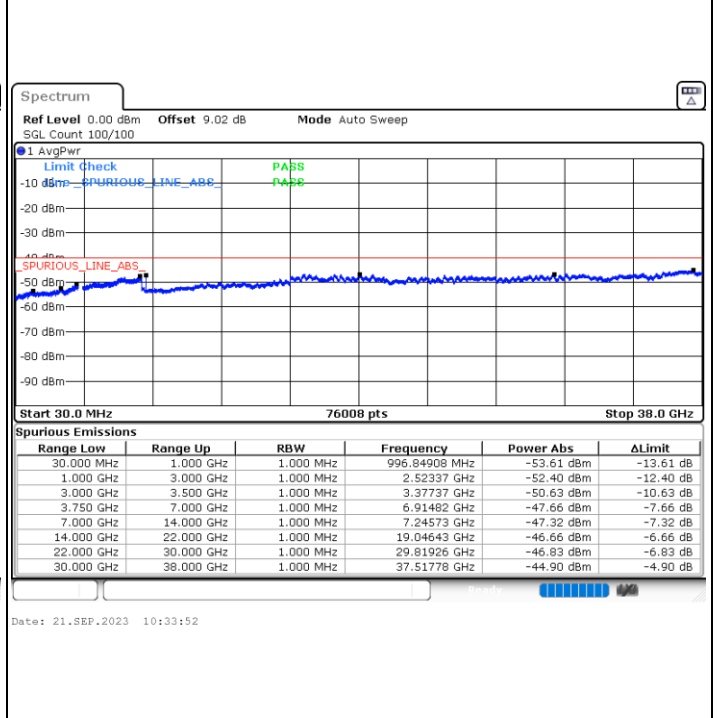




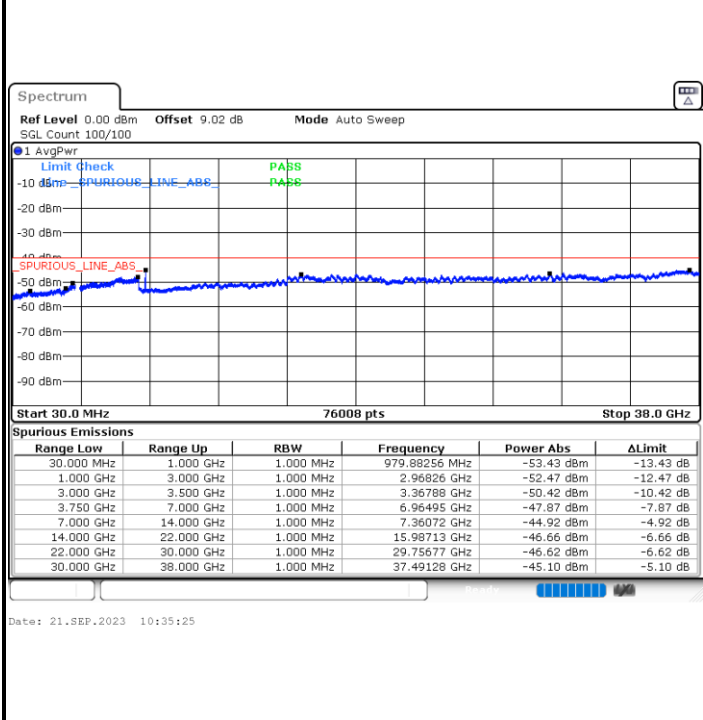
**LTE Band 48C / 15MHz+20MHz QPSK Lowest Channel / 1RB74 and 1RB0**



**LTE Band 48C / 15MHz+20MHz QPSK Middle Channel / 1RB74 and 1RB0**



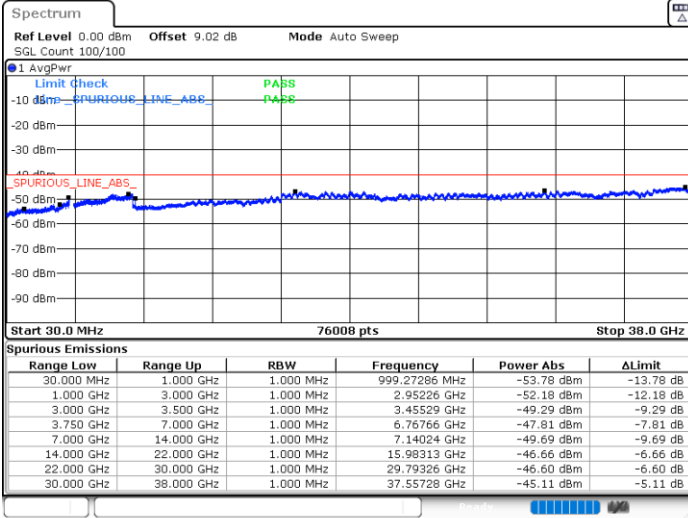
**LTE Band 48C / 15MHz+20MHz QPSK Highest Channel / 1RB74 and 1RB0**



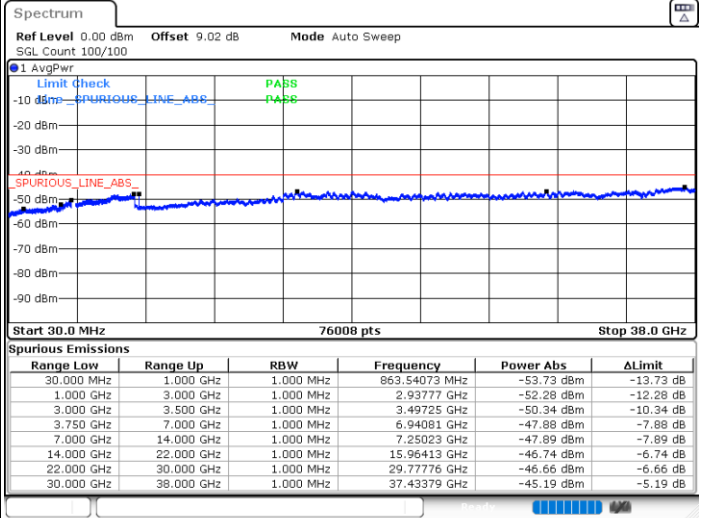


LTE Band 48C / 20MHz+20MHz QPSK Lowest Channel / 1RB99 and 1RB0

LTE Band 48C / 20MHz+20MHz QPSK Middle Channel / 1RB99 and 1RB0

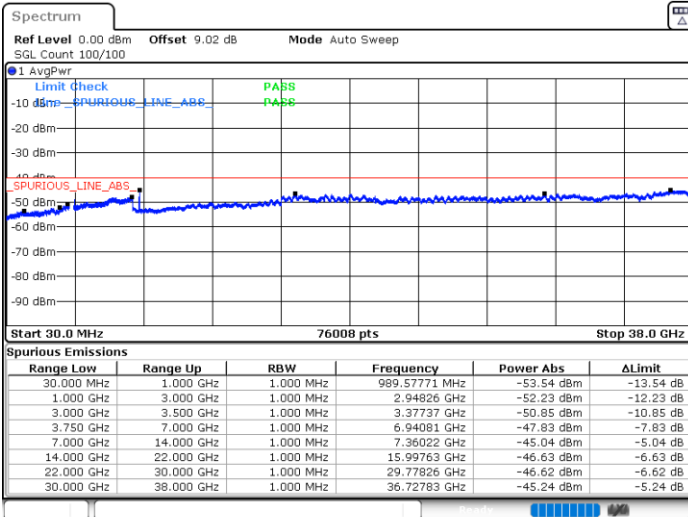


Date: 21.SEP.2023 10:37:01



Date: 21.SEP.2023 10:38:34

LTE Band 48C / 20MHz+20MHz QPSK Highest Channel / 1RB99 and 1RB0

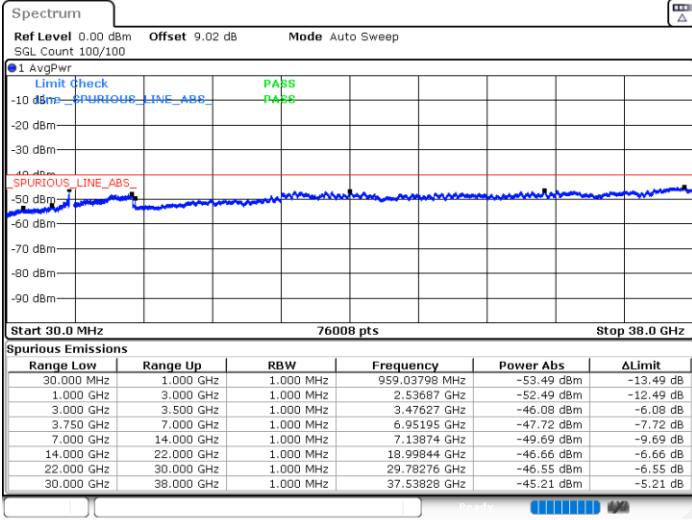


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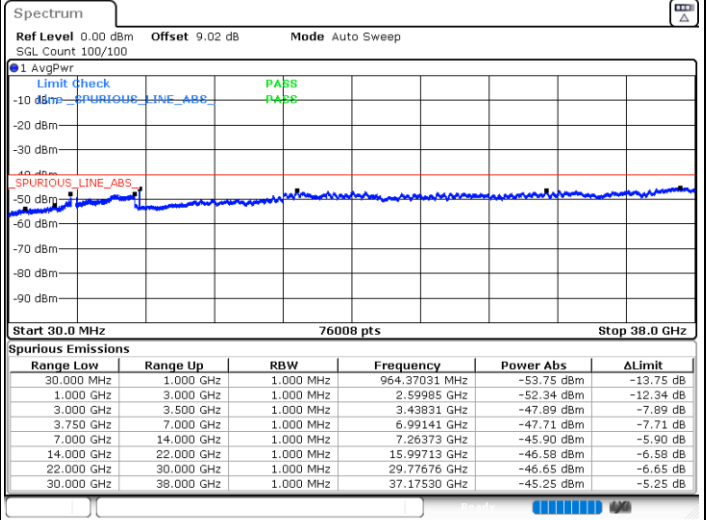


LTE Band 48C / 20MHz+5MHz QPSK Lowest Channel / 1RB99 and 1RB0

LTE Band 48C / 20MHz+5MHz QPSK Middle Channel / 1RB99 and 1RB0

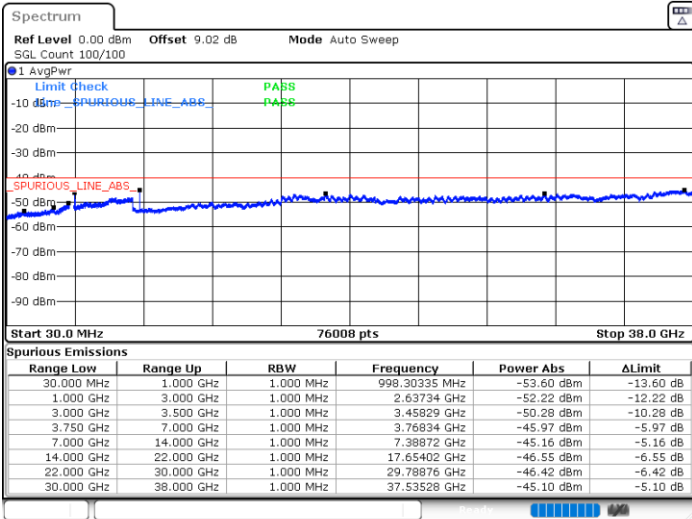


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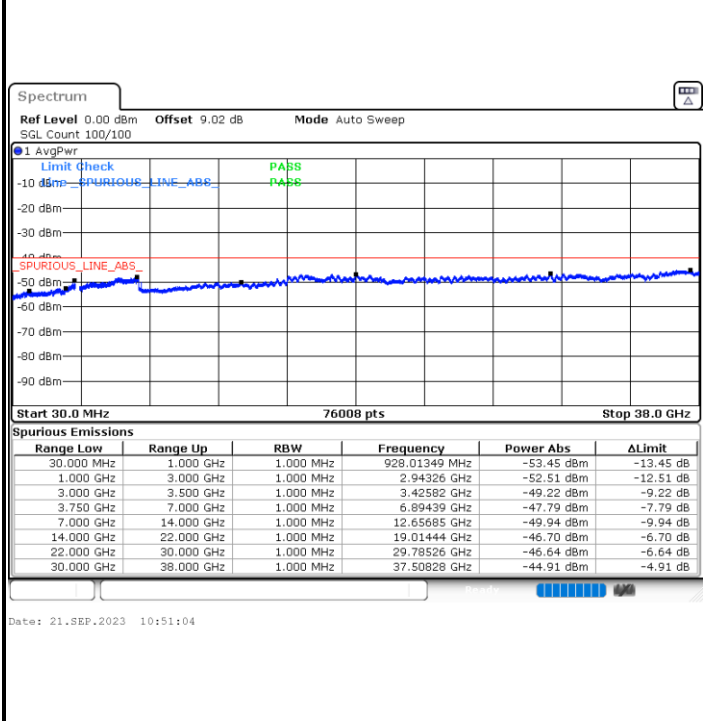
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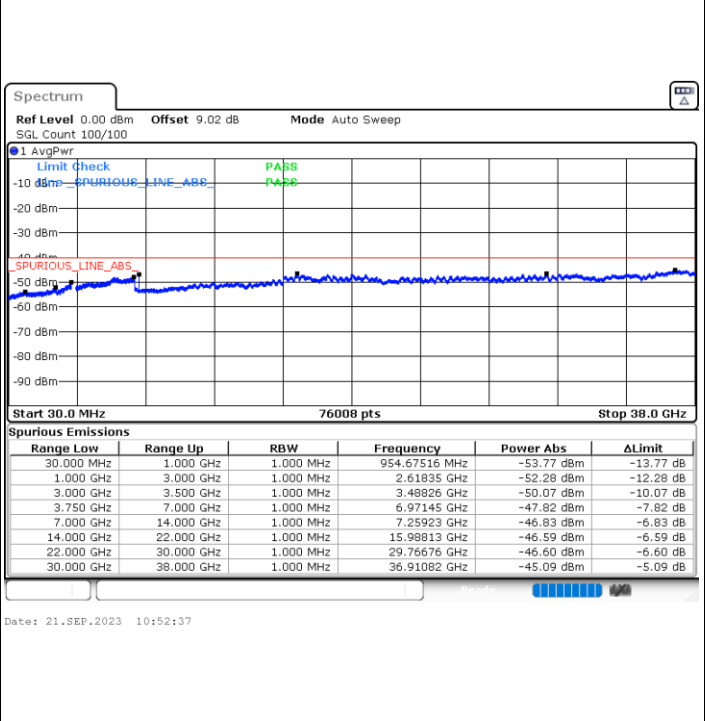
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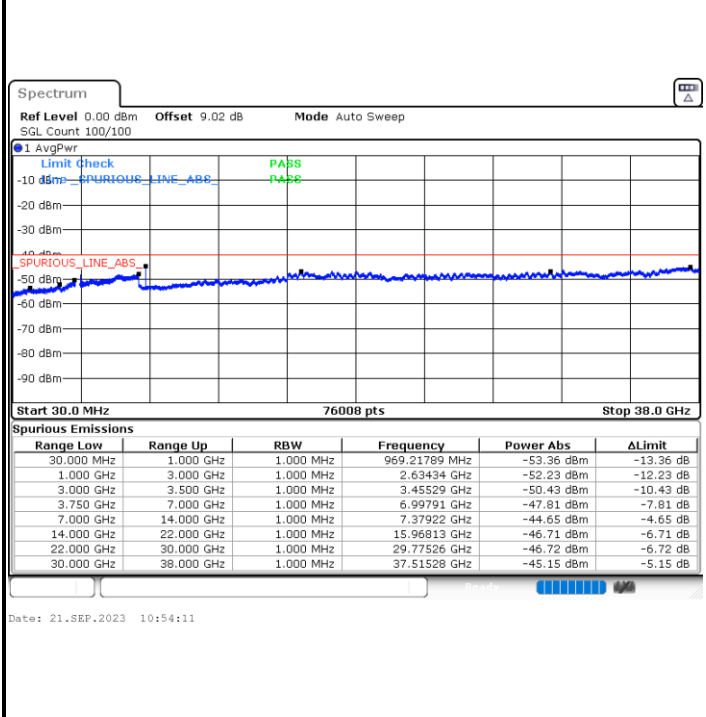
LTE Band 48C / 20MHz+10MHz QPSK Lowest Channel / 1RB99 and 1RB0



LTE Band 48C / 20MHz+10MHz QPSK Middle Channel / 1RB99 and 1RB0

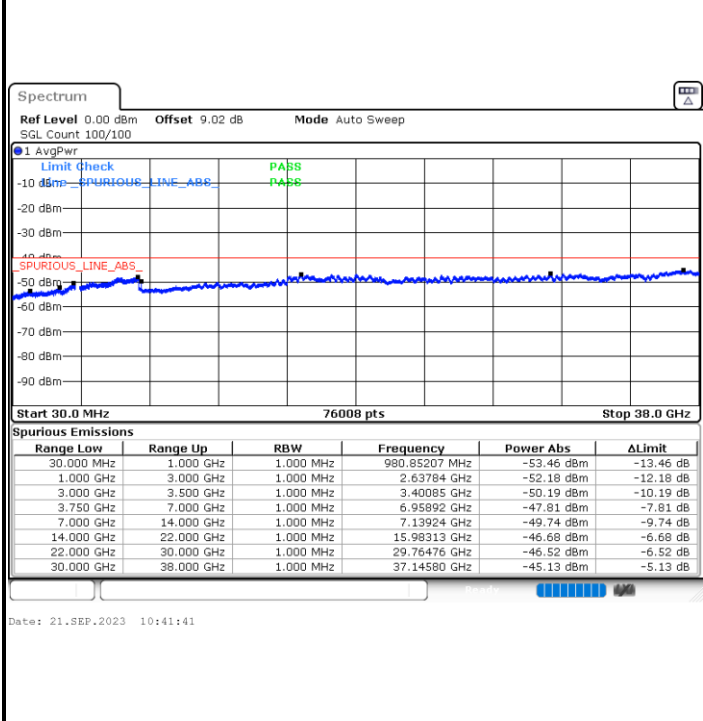


LTE Band 48C / 20MHz+10MHz QPSK Highest Channel / 1RB99 and 1RB0

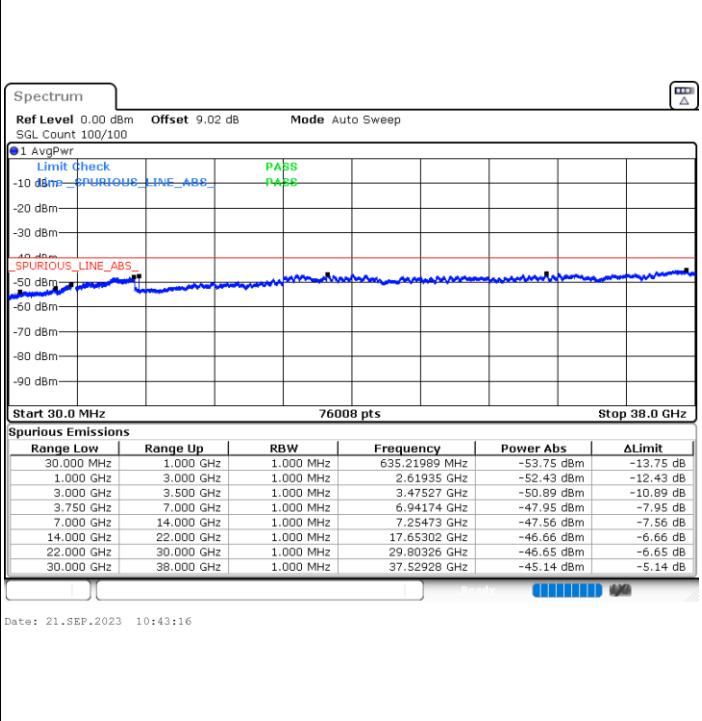




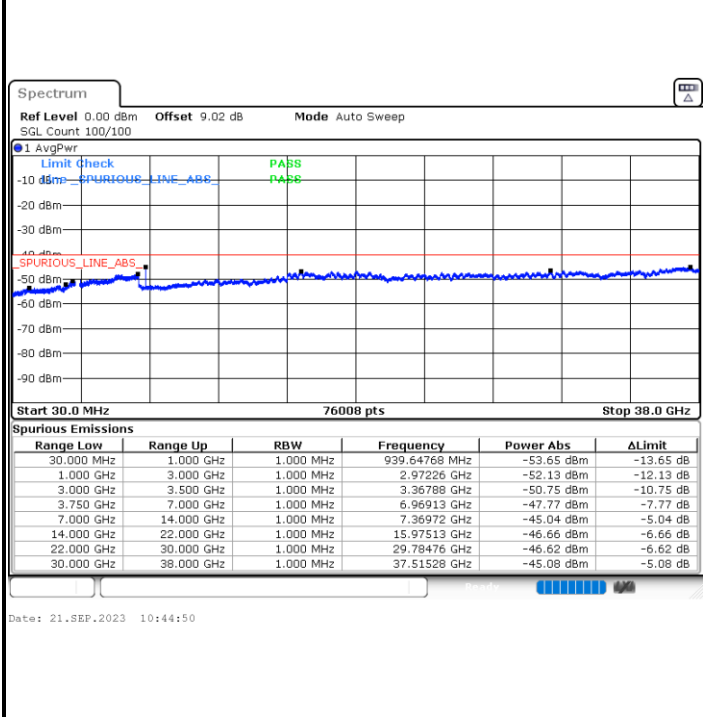
LTE Band 48C / 20MHz+15MHz QPSK Lowest Channel / 1RB99 and 1RB0



LTE Band 48C / 20MHz+15MHz QPSK Middle Channel / 1RB99 and 1RB0



LTE Band 48C / 20MHz+15MHz QPSK Highest Channel / 1RB99 and 1RB0





**Frequency Stability**

Test Conditions		LTE Band 48C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0023	
20	Minimum Voltage	0.0021	

**Note:**

- 1. Normal Voltage =3.91 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage =4.45 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 48 / 20MHz / QPSK / Ant.5									
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)
Lowest	7102.00	-54.94	-40	-14.94	-63.13	-58.27	8.25	11.58	H
	10653.00	-56.02	-40	-16.02	-68.90	-57.57	10.45	12.00	H
	14204.00	-53.97	-40	-13.97	-69.85	-55.68	11.74	13.45	H
	7102.00	-55.02	-40	-15.02	-64.37	-58.35	8.25	11.58	V
	10653.00	-53.59	-40	-13.59	-68.93	-55.14	10.45	12.00	V
	14204.00	-54.30	-40	-14.30	-69.57	-56.01	11.74	13.45	V
Middle	7232.00	-56.06	-40	-16.06	-64.74	-59.36	8.30	11.60	H
	10848.00	-54.92	-40	-14.92	-68.63	-56.44	10.48	12.00	H
	14464.00	-53.24	-40	-13.24	-69.46	-54.94	11.80	13.50	H
	7232.00	-55.83	-40	-15.83	-66.24	-59.13	8.30	11.60	V
	10848.00	-53.25	-40	-13.25	-68.58	-54.77	10.48	12.00	V
	14464.00	-53.77	-40	-13.77	-69.58	-55.47	11.80	13.50	V
Highest	7362.00	-52.98	-40	-12.98	-61.89	-56.28	8.32	11.62	H
	11043.00	-54.22	-40	-14.22	-68.60	-55.90	10.52	12.20	H
	14724.00	-53.29	-40	-13.29	-70.13	-54.99	11.85	13.55	H
	7362.00	-56.84	-40	-16.84	-66.11	-60.14	8.32	11.62	V
	11043.00	-51.40	-40	-11.40	-67.13	-53.08	10.52	12.20	V
	14724.00	-53.05	-40	-13.05	-69.98	-54.75	11.85	13.55	V

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





LTE Band CA_48B / 10MHz + 10MHz / QPSK / Ant.5									
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)
Lowest	7092.00	-60.23	-40	-20.23	-56.32	-63.56	8.25	11.58	H
	10638.00	-54.56	-40	-14.56	-56.52	-56.11	10.45	12.00	H
	14184.00	-50.89	-40	-10.89	-57.51	-52.60	11.74	13.45	H
	7092.00	-59.72	-40	-19.72	-55.94	-63.05	8.25	11.58	V
	10638.00	-54.29	-40	-14.29	-56.13	-55.84	10.45	12.00	V
	14184.00	-50.91	-40	-10.91	-57.21	-52.62	11.74	13.45	V
Middle	7267.00	-59.63	-40	-19.63	-56.49	-62.93	8.30	11.60	H
	10900.50	-53.80	-40	-13.80	-57.19	-55.32	10.48	12.00	H
	14535.00	-50.51	-40	-10.51	-57.87	-52.21	11.80	13.50	H
	7267.00	-59.85	-40	-19.85	-56.75	-63.15	8.30	11.60	V
	10900.50	-53.94	-40	-13.94	-57.06	-55.46	10.48	12.00	V
	14535.00	-50.80	-40	-10.80	-58.01	-52.50	11.80	13.50	V
Highest	7352.20	-59.03	-40	-19.03	-56.28	-62.33	8.32	11.62	H
	11028.30	-52.79	-40	-12.79	-56.87	-54.47	10.52	12.20	H
	14704.40	-52.22	-40	-12.22	-59.09	-53.92	11.85	13.55	H
	7352.20	-59.12	-40	-19.12	-56.41	-62.42	8.32	11.62	V
	11028.30	-53.41	-40	-13.41	-57.17	-55.09	10.52	12.20	V
	14704.40	-52.01	-40	-12.01	-58.94	-53.71	11.85	13.55	V

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



LTE Band CA_48C / 20MHz + 20MHz / QPSK / Ant.5									
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)
Lowest	7121.80	-59.89	-40	-19.89	-56.10	-63.22	8.25	11.58	H
	10682.70	-54.23	-40	-14.23	-56.44	-55.78	10.45	12.00	H
	14243.60	-50.27	-40	-10.27	-57.04	-51.98	11.74	13.45	H
	7121.80	-59.96	-40	-19.96	-56.28	-63.29	8.25	11.58	V
	10682.70	-54.10	-40	-14.10	-56.16	-55.65	10.45	12.00	V
	14243.60	-50.79	-40	-10.79	-57.27	-52.50	11.74	13.45	V
Middle	7232.00	-59.89	-40	-19.89	-56.60	-63.19	8.30	11.60	H
	10848.00	-53.90	-40	-13.90	-57.00	-55.42	10.48	12.00	H
	14464.00	-49.87	-40	-9.87	-57.23	-51.57	11.80	13.50	H
	7232.00	-59.86	-40	-19.86	-56.61	-63.16	8.30	11.60	V
	10848.00	-54.03	-40	-14.03	-56.89	-55.55	10.48	12.00	V
	14464.00	-50.21	-40	-10.21	-57.36	-51.91	11.80	13.50	V
Highest	7342.20	-58.52	-40	-18.52	-55.72	-61.82	8.32	11.62	H
	11013.30	-53.18	-40	-13.18	-57.19	-54.86	10.52	12.20	H
	14684.40	-51.26	-40	-11.26	-58.19	-52.96	11.85	13.55	H
	7342.20	-58.47	-40	-18.47	-55.71	-61.77	8.32	11.62	V
	11013.30	-53.80	-40	-13.80	-57.48	-55.48	10.52	12.20	V
	14684.40	-51.55	-40	-11.55	-58.52	-53.25	11.85	13.55	V

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