

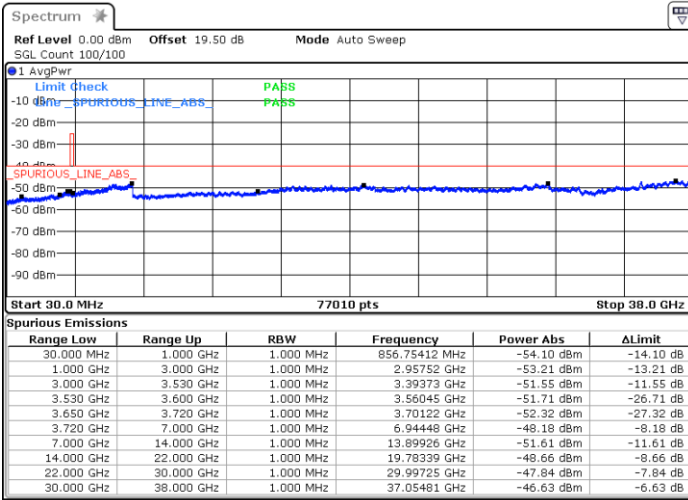


LTE Band 48 / 20MHz

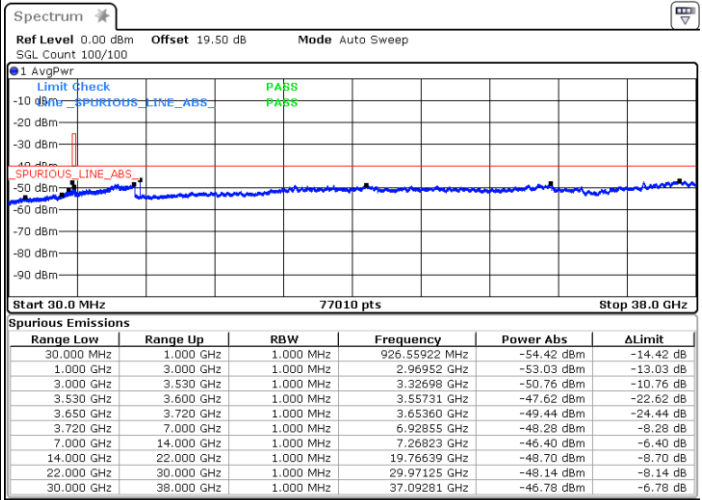
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



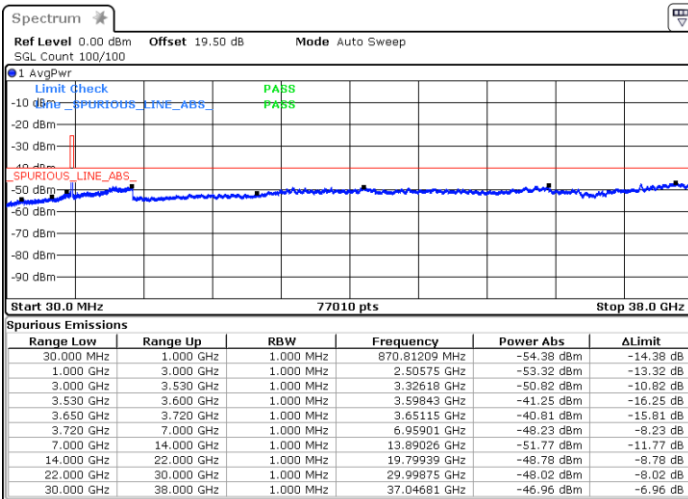
Date: 21.MAR.2023 18:14:40



Date: 17.MAR.2023 18:54:32

Middle Channel / FullIRB

N/A



Date: 17.MAR.2023 18:41:46

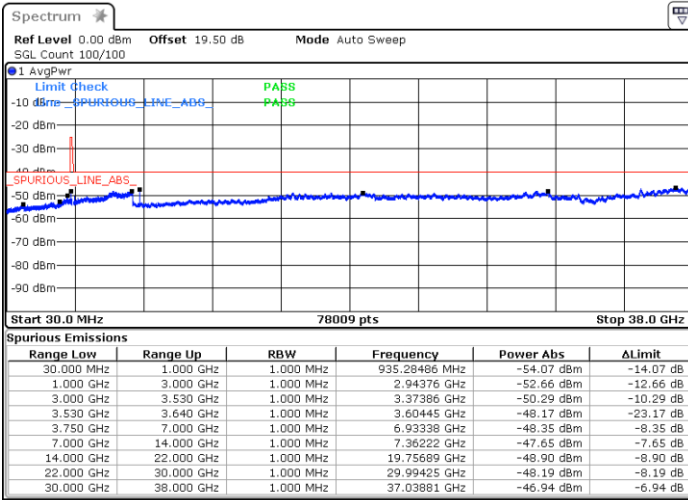


LTE Band 48 / 20MHz

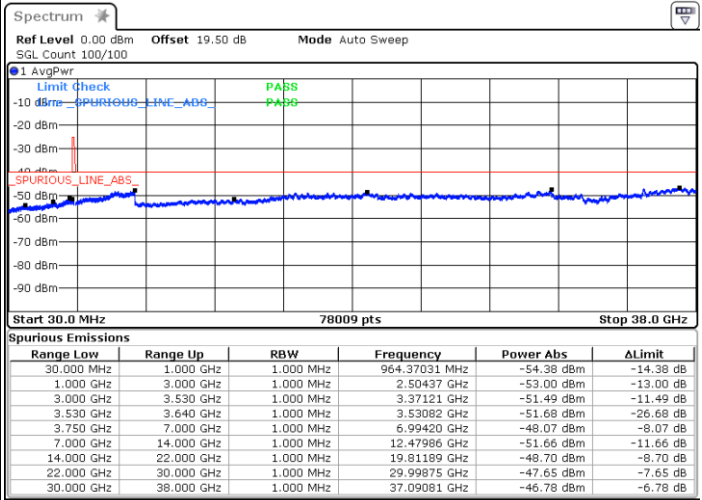
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



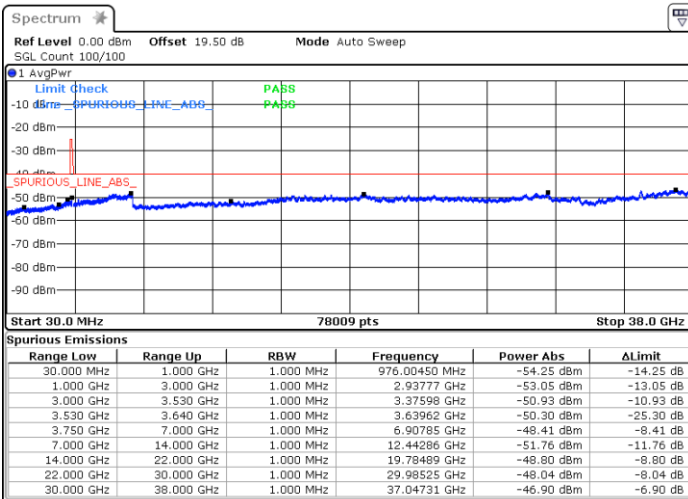
Date: 17.MAR.2023 19:23:49



Date: 21.MAR.2023 18:25:17

Highest Channel / FullIRB

N/A



Date: 17.MAR.2023 19:22:16



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0008	

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 all the supported antennas, choose the worst antenna perform final test and record in the report.

LTE Band 48 / 20MHz / QPSK / Ant.4									
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	7302.00	-58.44	-40	-18.44	-66.38	-61.77	8.25	11.58	H
	10953.00	-55.34	-40	-15.34	-68.93	-56.89	10.45	12.00	H
	14604.00	-51.76	-40	-11.76	-67.60	-53.47	11.74	13.45	H
	7302.00	-57.97	-40	-17.97	-66.48	-61.30	8.25	11.58	V
	10953.00	-55.75	-40	-15.75	-68.95	-57.30	10.45	12.00	V
	14604.00	-49.73	-40	-9.73	-67.44	-51.44	11.74	13.45	V
Middle	7332.00	-58.37	-40	-18.37	-66.38	-61.67	8.30	11.60	H
	10998.00	-54.73	-40	-14.73	-68.43	-56.25	10.48	12.00	H
	14664.00	-51.18	-40	-11.18	-67.27	-52.88	11.80	13.50	H
	7332.00	-58.01	-40	-18.01	-66.51	-61.31	8.30	11.60	V
	10998.00	-55.76	-40	-15.76	-69.1	-57.28	10.48	12.00	V
	14664.00	-49.52	-40	-9.52	-67.57	-51.22	11.80	13.50	V
Highest	7362.00	-57.81	-40	-17.81	-65.90	-61.11	8.32	11.62	H
	11043.00	-55.03	-40	-15.03	-68.94	-56.71	10.52	12.20	H
	14724.00	-50.75	-40	-10.75	-67.08	-52.45	11.85	13.55	H
	7362.00	-57.69	-40	-17.69	-66.19	-60.99	8.32	11.62	V
	11043.00	-55.30	-40	-15.30	-68.9	-56.98	10.52	12.20	V
	14724.00	-49.11	-40	-9.11	-67.49	-50.81	11.85	13.55	V

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