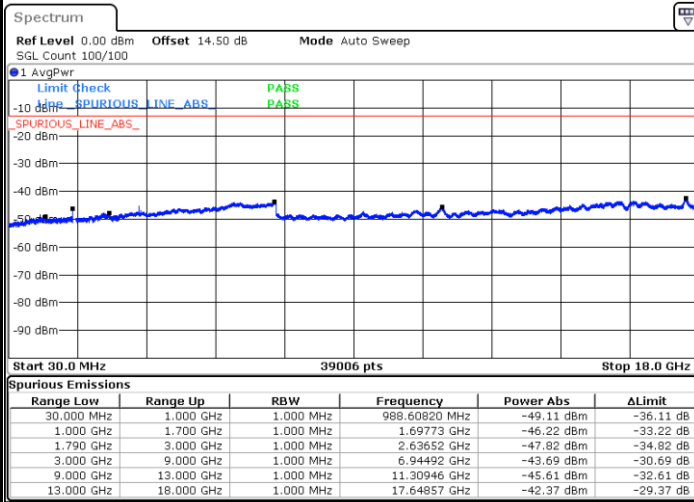




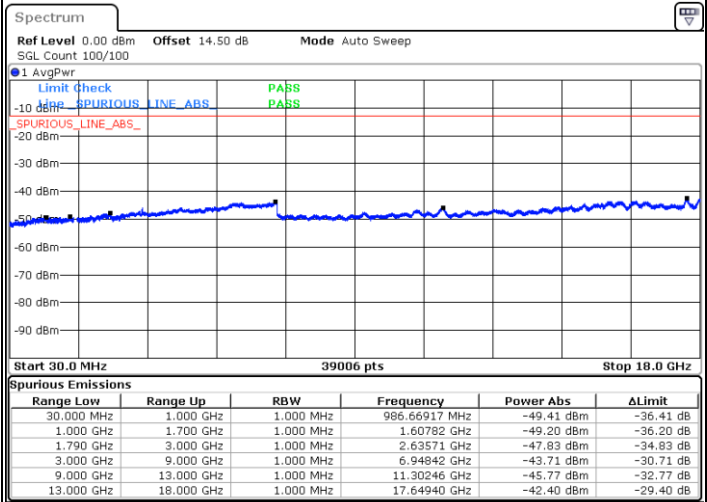
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



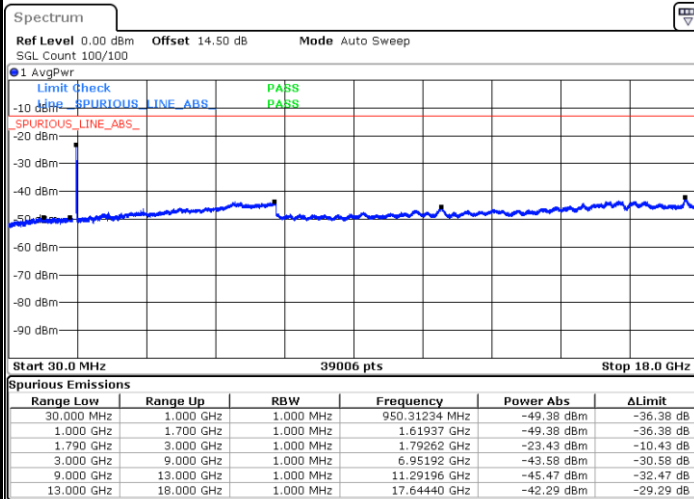
Date: 17.DEC.2021 05:43:18

Middle Channel / 64QAM



Date: 17.DEC.2021 05:44:54

Highest Channel / 64QAM



Date: 17.DEC.2021 05:50:09

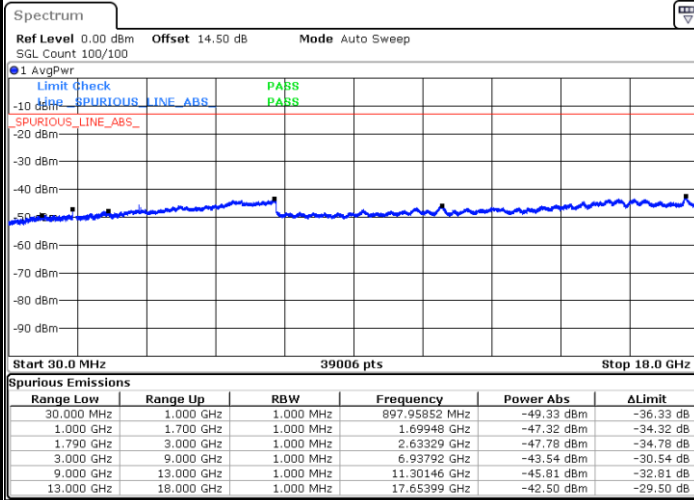
N/A

N/A



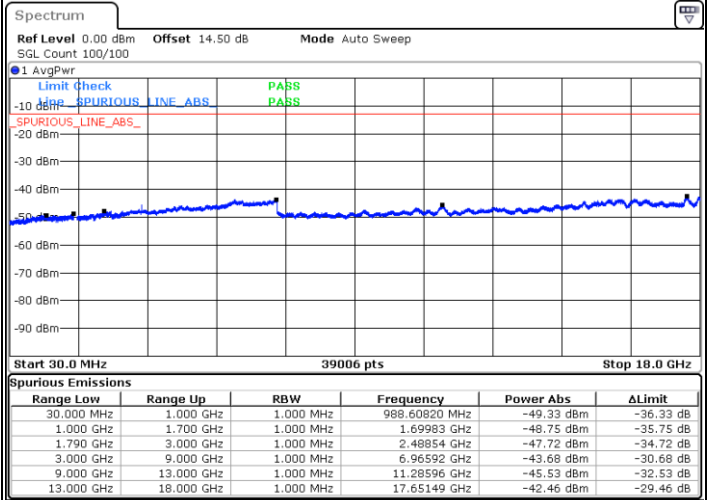
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



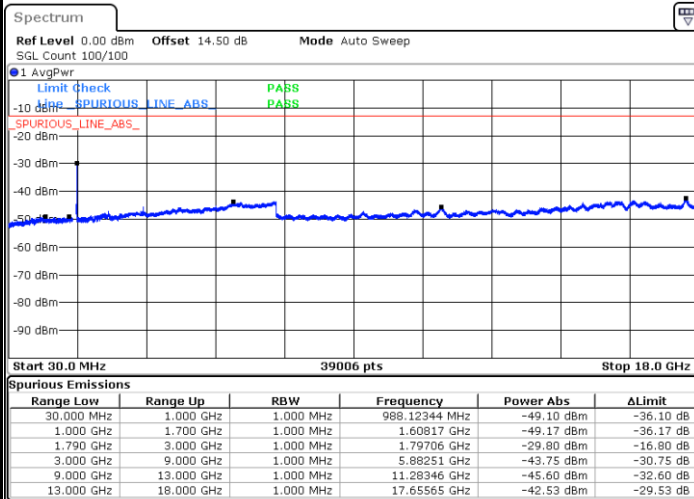
Date: 17.DEC.2021 06:43:50

Middle Channel / 64QAM



Date: 17.DEC.2021 06:45:27

Highest Channel / 64QAM



Date: 17.DEC.2021 06:50:42

N/A

N/A

**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	0.0023	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =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 :	Zhaohui Liang	Temperature :	22~25℃
		Relative Humidity :	48~52%

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	-45.69	-13	-32.69	-68.58	-52.44	5.85	12.60	H
	5613.27	-54.44	-13	-41.44	-78.72	-60.24	7.30	13.10	H
	7484.36	-54.80	-13	-41.80	-81.26	-57.95	8.35	11.50	H
	3742.18	-43.66	-13	-30.66	-68.56	-50.41	5.85	12.60	V
	5613.27	-52.28	-13	-39.28	-77.41	-58.08	7.30	13.10	V
	7484.36	-55.00	-13	-42.00	-81.44	-58.15	8.35	11.50	V

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	-57.41	-25	-32.41	-80.51	-62.97	7.14	12.70	H
	7578.27	-55.26	-25	-30.26	-81.34	-58.56	8.30	11.60	H
	10104.36	-52.38	-25	-27.38	-82.58	-53.90	10.48	12.00	H
	5052.18	-56.52	-25	-31.52	-80.95	-62.08	7.14	12.70	V
	7578.27	-55.11	-25	-30.11	-81.19	-58.41	8.30	11.60	V
	10104.36	-51.44	-25	-26.44	-82.62	-52.96	10.48	12.00	V

LTE Band 13 / 5MHz / 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	1559.5	-66.10	-42.15	-23.95	-77.39	-69.35	4.00	9.40	H
	2339.25	-57.79	-13	-44.79	-75.77	-61.36	4.88	10.60	H
	3119	-59.55	-13	-46.55	-79.64	-64.48	5.52	12.60	H
	1559.5	-64.72	-42.15	-22.57	-76.63	-67.97	4.00	9.40	V
	2339.25	-59.50	-13	-46.50	-77.85	-63.07	4.88	10.60	V
	3119	-57.55	-13	-44.55	-79.44	-62.48	5.52	12.60	V



LTE Band 13 / 10MHz / 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	1559.5	-65.77	-40	-25.77	-77.06	-69.02	4.00	9.40	H
	2339.25	-60.83	-13	-47.83	-78.81	-64.40	4.88	10.60	H
	3119	-59.25	-13	-46.25	-79.34	-64.18	5.52	12.60	H
	1559.5	-64.81	-40	-24.81	-76.72	-68.06	4.00	9.40	V
	2339.25	-60.28	-13	-47.28	-78.63	-63.85	4.88	10.60	V
	3119	-57.50	-13	-44.50	-79.39	-62.43	5.52	12.60	V

LTE Band 26 / 15MHz / 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	1659.5	-66.13	-13	-53.13	-77.78	-69.38	4.00	9.40	H
	2489.25	-60.64	-13	-47.64	-79.41	-64.21	4.88	10.60	H
	3319	-60.14	-13	-47.14	-81.02	-65.07	5.52	12.60	H
	1659.5	-65.25	-13	-52.25	-77.57	-70.18	5.52	12.60	V
	2489.25	-60.53	-13	-47.53	-79.56	-65.00	6.00	12.62	V
	3319	-59.35	-13	-46.35	-80.93	-62.76	7.14	12.70	V

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	-56.92	-25	-31.92	-80.84	-62.48	7.14	12.70	H
	7758.00	-54.98	-25	-29.98	-80.51	-58.28	8.30	11.60	H
	10344.00	-52.14	-25	-27.14	-82.77	-53.66	10.48	12.00	H
	5172.00	-56.60	-25	-31.60	-81.02	-62.16	7.14	12.70	V
	7758.00	-50.57	-25	-25.57	-79.53	-53.87	8.30	11.60	V
	10344.00	-47.30	-25	-22.30	-79.73	-48.82	10.48	12.00	V

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	-55.48	-13	-42.48	-77.01	-62.33	5.65	12.50	H
	5238	-55.23	-13	-42.23	-79.50	-60.90	7.13	12.80	H
	6984	-55.27	-13	-42.27	-81.03	-58.67	8.40	11.80	H
	3492	-52.97	-13	-39.97	-76.04	-59.82	5.65	12.50	V
	5238	-54.71	-13	-41.71	-79.05	-60.38	7.13	12.80	V
	6984	-55.37	-13	-42.37	-81.5	-58.77	8.40	11.80	V

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