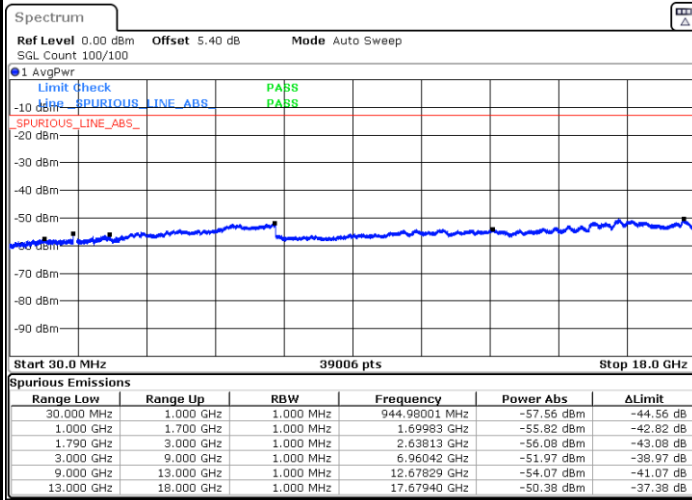




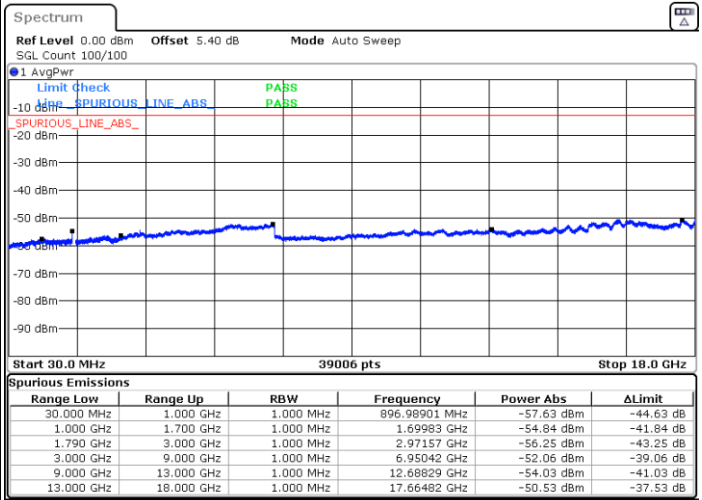
LTE Band 66 / 20MHz

Lowest Channel / QPSK



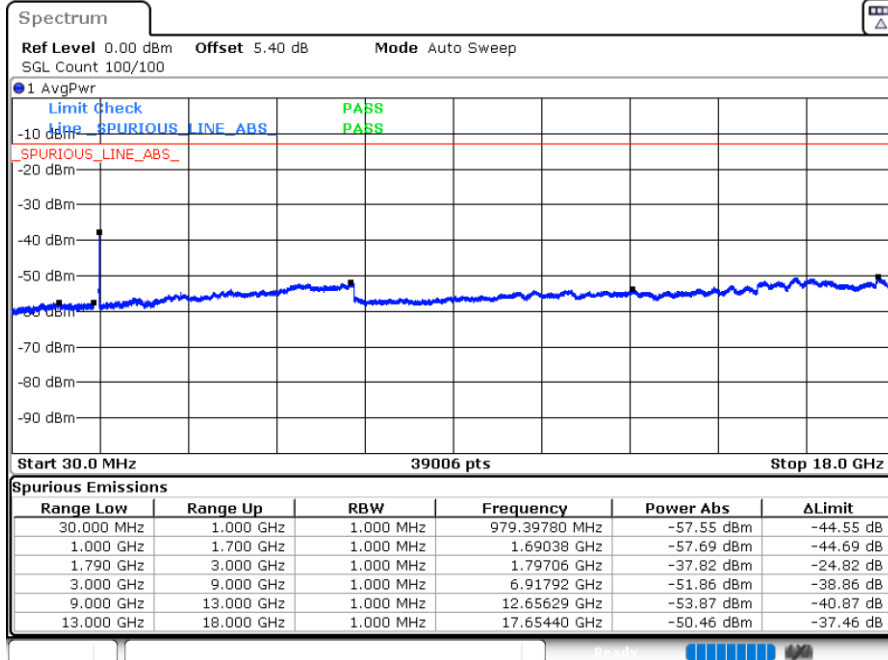
Date: 2.NOV.2022 03:06:21

Middle Channel / QPSK



Date: 2.NOV.2022 03:07:57

Highest Channel / QPSK



Date: 2.NOV.2022 03:09:56

**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	0.0009	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 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 :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 2 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-56.20	-13	-43.20	-68.46	2.64	14.90	H
	5613	-54.53	-13	-41.53	-66.39	2.94	14.80	H
	7488	-52.20	-13	-39.20	-61.97	3.39	13.16	H
	3741	-56.34	-13	-43.34	-68.60	2.64	14.90	V
	5613	-53.13	-13	-40.13	-64.99	2.94	14.80	V
	7488	-52.47	-13	-39.47	-62.24	3.39	13.16	V

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

LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-66.54	-13	-53.54	-73.51	1.58	10.70	H
	2109	-61.06	-13	-48.06	-69.31	2.102	12.50	H
	2812	-57.96	-13	-44.96	-66.85	2.856	13.90	H
	1408	-65.16	-13	-52.16	-72.13	1.58	10.70	V
	2109	-60.14	-13	-47.14	-68.39	2.10	12.50	V
	2812	-58.09	-13	-45.09	-66.98	2.86	13.90	V

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

LTE Band 13 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-66.15	-42.15	-24.00	-68.78	1.09	5.87	H
	2336	-62.14	-13	-49.14	-64.54	1.37	5.92	H
	3120	-59.42	-13	-46.42	-63.31	1.64	7.68	H
	1560	-65.95	-42.15	-23.80	-68.58	1.09	5.87	V
	2336	-60.51	-13	-47.51	-62.91	1.37	5.92	V
	3120	-59.11	-13	-46.11	-63.00	1.64	7.68	V

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



LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-65.40	-13	-52.40	-68.03	1.09	5.87	H
	2332	-59.53	-13	-46.53	-61.93	1.37	5.92	H
	3110	-58.98	-13	-45.98	-62.87	1.64	7.68	H
	1555	-66.07	-13	-53.07	-68.70	1.09	5.87	V
	2332	-60.96	-13	-47.96	-63.36	1.37	5.92	V
	3112	-59.17	-13	-46.17	-63.06	1.64	7.68	V

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

LTE Band 26 / 15MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-64.88	-13	-51.88	-71.85	1.58	10.70	H
	2488	-60.66	-13	-47.66	-68.91	2.1	12.50	H
	3320	-59.14	-13	-46.14	-68.03	2.86	13.90	H
	1656	-63.93	-13	-50.93	-70.90	1.58	10.70	V
	2488	-58.8	-13	-45.80	-67.05	2.10	12.50	V
	3320	-59.05	-13	-46.05	-67.94	2.86	13.90	V

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



LTE Band 66 Single Carrier (Main PA) / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-58.10	-13	-45.10	-68.84	2.604	13.34	H
	5208.27	-52.74	-13	-39.74	-63.25	3.011	13.52	H
	6948	-52.61	-13	-39.61	-62.81	3.271	13.47	H
	3471	-58.28	-13	-45.28	-69.02	2.604	13.34	V
	5208.27	-52.36	-13	-39.36	-62.87	3.011	13.52	V
	6948	-52.68	-13	-39.68	-62.88	3.271	13.47	V

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

LTE Band 66 CA_2A-66A (other PA) / 20MHz +20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
LTE B2 Middle	3741	-57.19	-13	-44.19	-69.45	2.64	14.90	H
	5613	-54.95	-13	-41.95	-66.81	2.94	14.80	H
	7488	-52.02	-13	-39.02	-61.79	3.39	13.16	H
	3741	-56.69	-13	-43.69	-68.95	2.64	14.90	V
	5613	-55.32	-13	-42.32	-67.18	2.94	14.80	V
	7488	-52.53	-13	-39.53	-62.30	3.39	13.16	V
LTE B66 Middle	3471	-58.30	-13	-45.30	-69.04	2.604	13.34	H
	5208	-54.96	-13	-41.96	-65.47	3.011	13.52	H
	6948	-53.68	-13	-40.68	-63.88	3.271	13.47	H
	3471	-58.52	-13	-45.52	-69.26	2.604	13.34	V
	5208	-54.81	-13	-41.81	-65.32	3.011	13.52	V
	6948	-53.14	-13	-40.14	-63.34	3.271	13.47	V

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