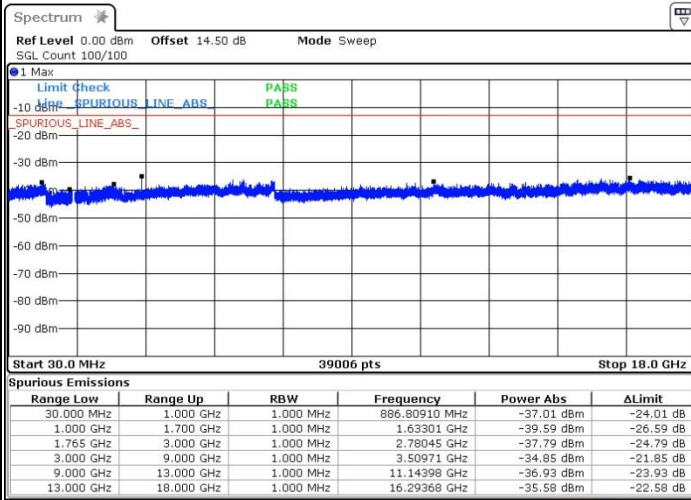




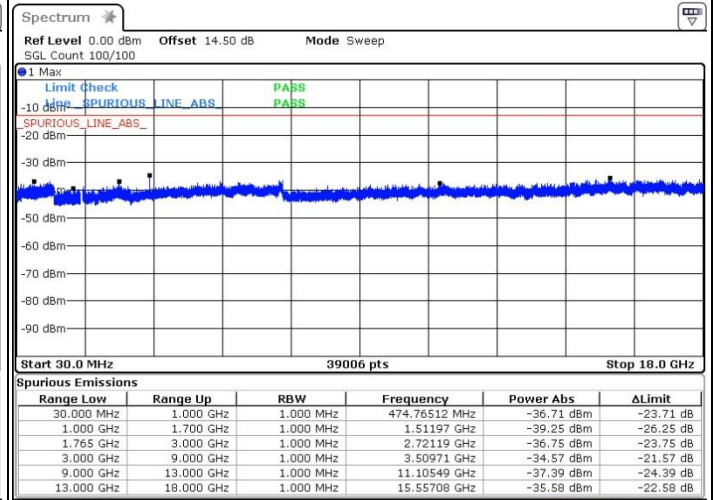
LTE Band 4 / 5MHz

Highest Channel / 1SC0 / BPSK

Highest Channel / 1SC0 / QPSK



Date: 5 JUL 2022 18:02:09



Date: 5 JUL 2022 18:02:48

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	15K	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0077	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 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 :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

NB-IOT Category NB1:

Band 4 / 15KHz / 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)
Lowest	3420	-33.16	-13	-20.16	-53.74	-40.04	5.60	12.48	H
	5130	-57.24	-13	-44.24	-80.93	-62.92	7.10	12.78	H
	6840	-55.43	-13	-42.43	-81.04	-58.82	8.38	11.77	H
	3420	-36.94	-13	-23.94	-58.72	-43.82	5.60	12.48	V
	5130	-56.04	-13	-43.04	-80.47	-61.72	7.10	12.78	V
	6840	-53.44	-13	-40.44	-80.88	-56.83	8.38	11.77	V
Middle	3462	-33.26	-13	-20.26	-55.21	-40.11	5.65	12.50	H
	5193	-57.00	-13	-44.00	-81.16	-62.67	7.13	12.80	H
	6924	-55.23	-13	-42.23	-80.89	-58.63	8.40	11.80	H
	3462	-39.41	-13	-26.41	-61.16	-46.26	5.65	12.50	V
	5193	-56.84	-13	-43.84	-81.27	-62.51	7.13	12.80	V
	6924	-54.76	-13	-41.76	-81.52	-58.16	8.40	11.80	V
Highest	3510	-33.26	-13	-20.26	-55.59	-40.10	5.68	12.52	H
	5260	-56.52	-13	-43.52	-80.91	-62.19	7.15	12.82	H
	7020	-55.40	-13	-42.40	-81.22	-58.83	8.42	11.85	H
	3510	-41.40	-13	-28.40	-64.13	-48.24	5.68	12.52	V
	5260	-56.50	-13	-43.50	-80.77	-62.17	7.15	12.82	V
	7020	-55.29	-13	-42.29	-81.46	-58.72	8.42	11.85	V

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