



## Frequency Stability

Test Conditions		LTE Band 42C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0036	

**Note:**

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 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°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

LTE Band 42 / 20MHz / QPSK / RB Size 1 Offset 0(Ant.10)									
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	6982.00	-60.63	-13	-47.63	-65.71	-63.93	8.30	11.60	H
	10473.00	-58.33	-13	-45.33	-68.85	-59.85	10.48	12.00	H
	13964.00	-56.90	-13	-43.90	-67.97	-58.60	11.80	13.50	H
	6982.00	-60.48	-13	-47.48	-65.77	-63.78	8.30	11.60	V
	10473.00	-58.98	-13	-45.98	-68.7	-60.50	10.48	12.00	V
	13964.00	-56.57	-13	-43.57	-68.32	-58.27	11.80	13.50	V

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

LTE Band 42C / 20MHz+20MHz / QPSK / RB Size 1 Offset 0(Ant.10)									
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	6962.20	-59.45	-13	-46.45	-64.49	-62.75	8.30	11.60	H
	10443.30	-57.80	-13	-44.80	-68.27	-59.32	10.48	12.00	H
	13924.40	-56.85	-13	-43.85	-68.05	-58.55	11.80	13.50	H
	6962.20	-59.99	-13	-46.99	-65.27	-63.29	8.30	11.60	V
	10443.30	-58.56	-13	-45.56	-68.19	-60.08	10.48	12.00	V
	13924.40	-56.29	-13	-43.29	-68.02	-57.99	11.80	13.50	V

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