

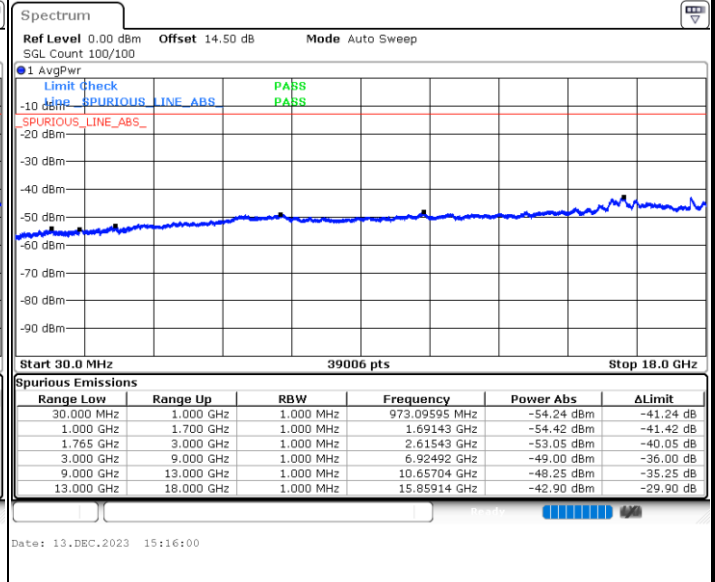
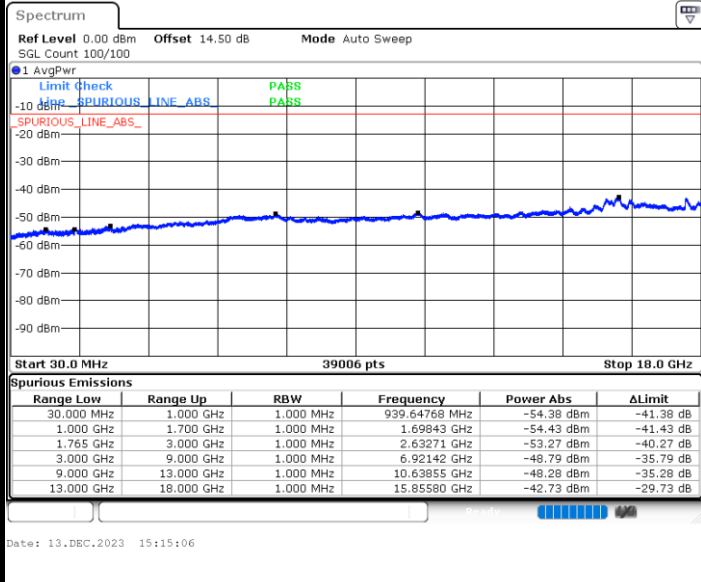


Conducted Spurious Emission

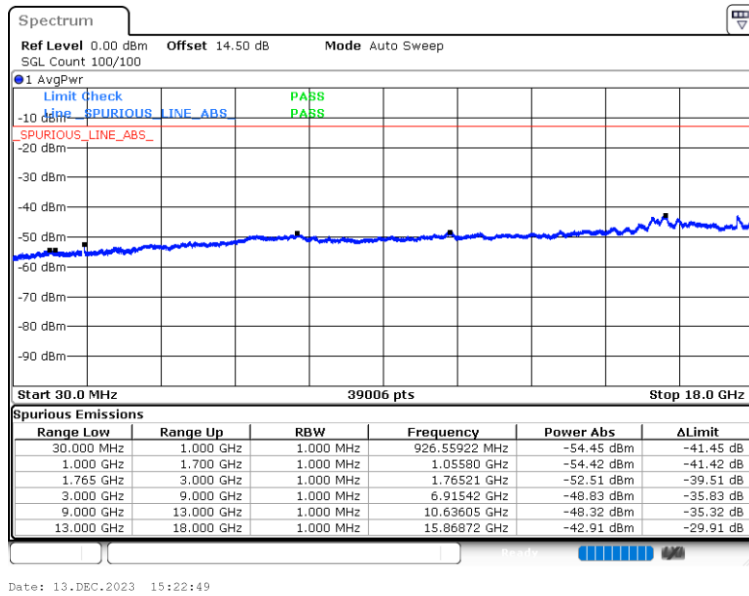
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

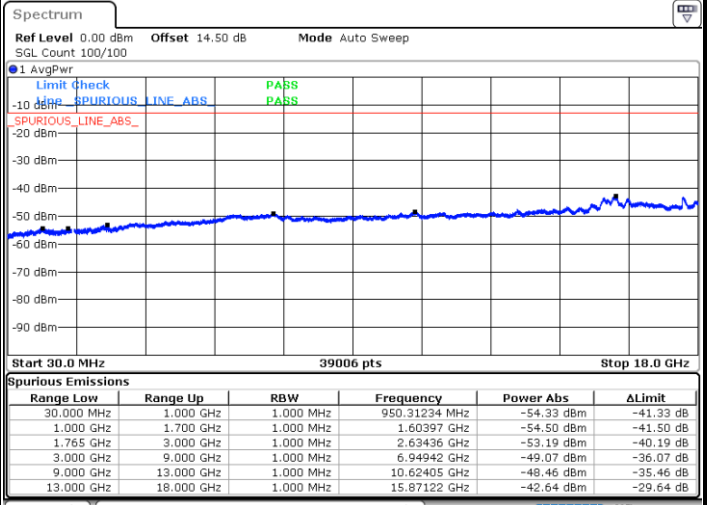
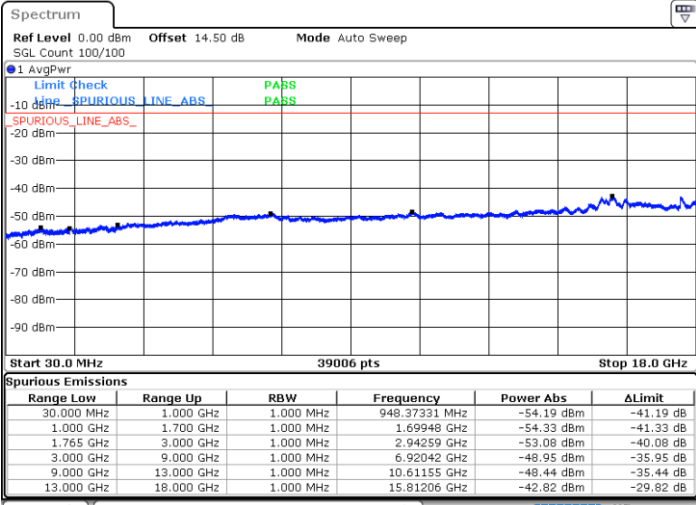




LTE Band 4 / 3MHz

Lowest Channel / QPSK

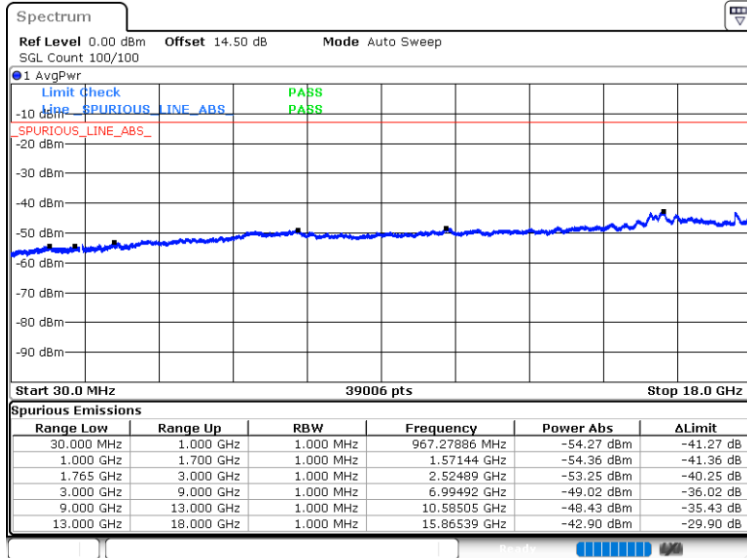
Middle Channel / QPSK



Date: 13.DEC.2023 15:29:03

Date: 13.DEC.2023 15:29:57

Highest Channel / QPSK



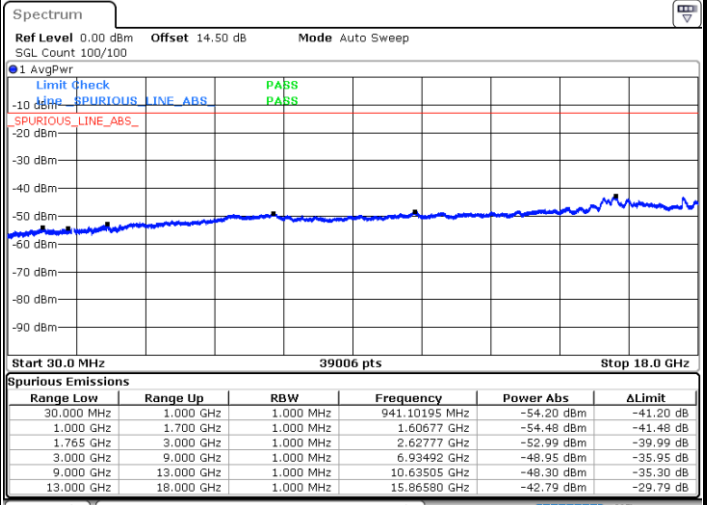
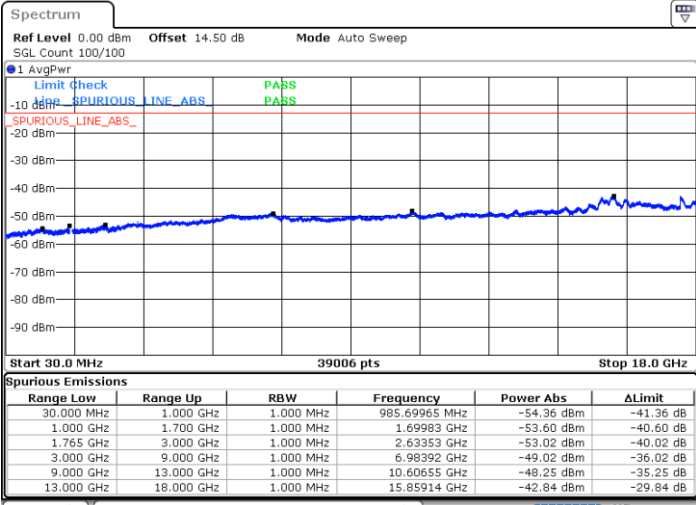
Date: 13.DEC.2023 15:36:46



LTE Band 4 / 5MHz

Lowest Channel / QPSK

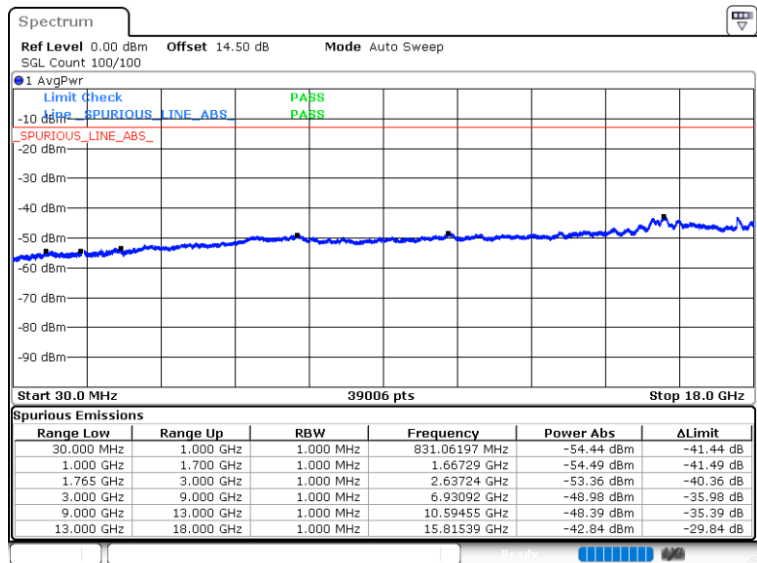
Middle Channel / QPSK



Date: 13.DEC.2023 15:43:00

Date: 13.DEC.2023 15:43:55

Highest Channel / QPSK



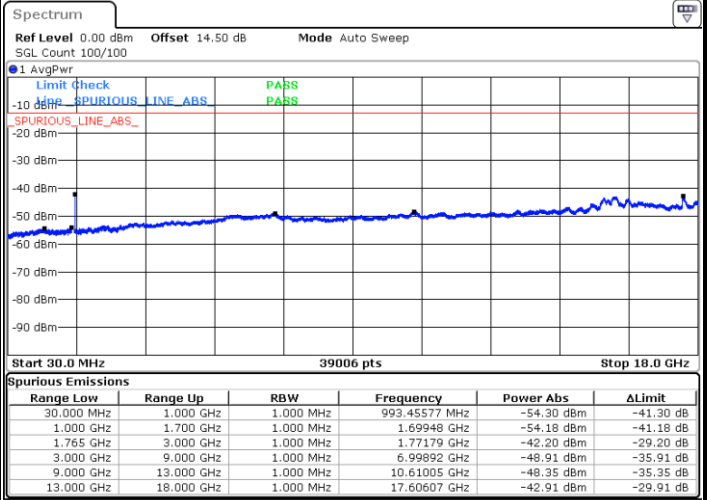
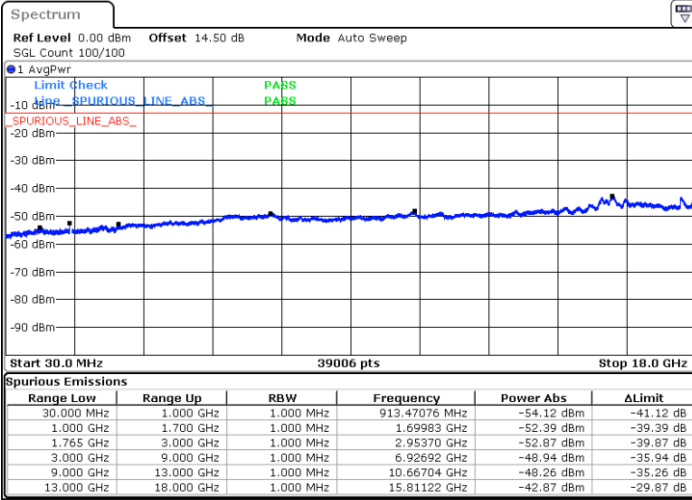
Date: 13.DEC.2023 15:50:43



LTE Band 4 / 10MHz

Lowest Channel / QPSK

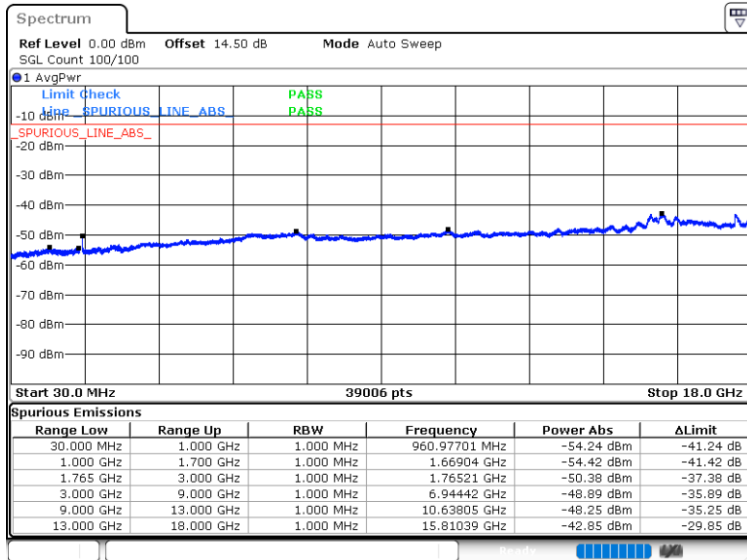
Middle Channel / QPSK



Date: 13.DEC.2023 15:56:57

Date: 13.DEC.2023 15:57:52

Highest Channel / QPSK



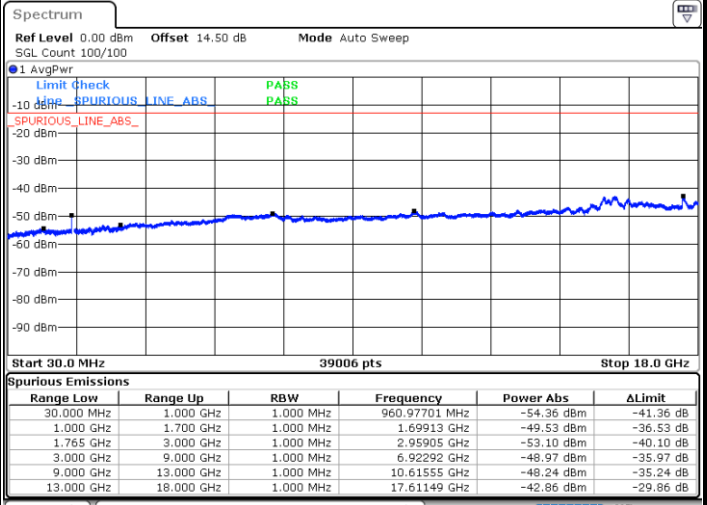
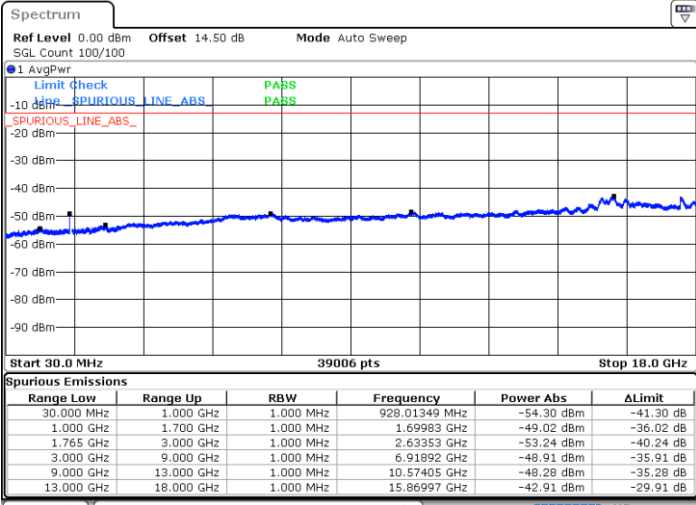
Date: 13.DEC.2023 16:04:41



LTE Band 4 / 15MHz

Lowest Channel / QPSK

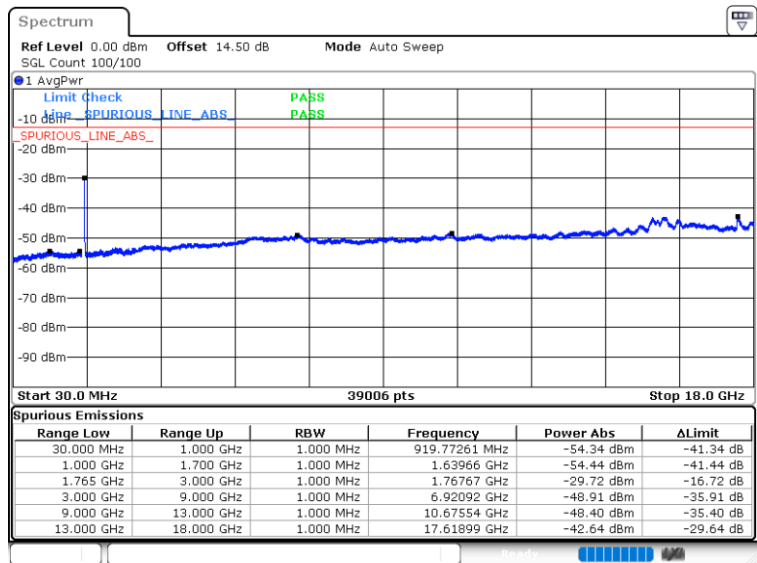
Middle Channel / QPSK



Date: 13.DEC.2023 16:10:55

Date: 13.DEC.2023 16:11:49

Highest Channel / QPSK



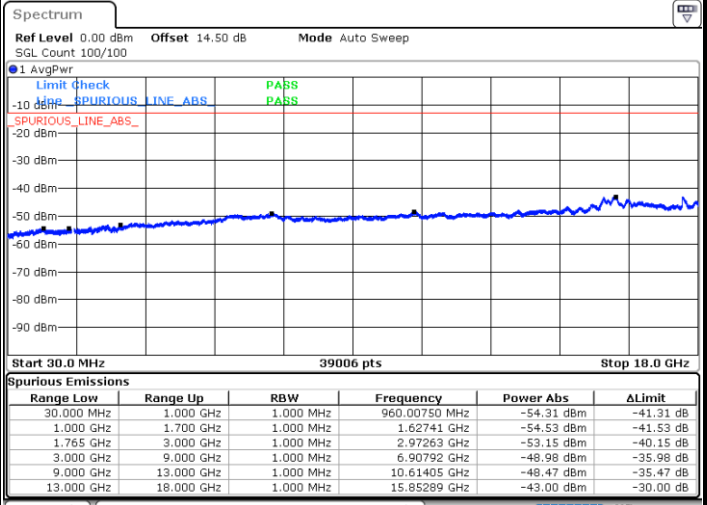
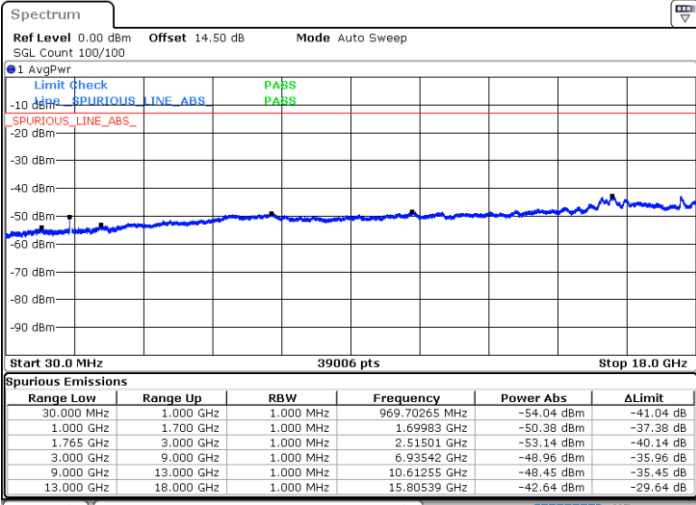
Date: 13.DEC.2023 16:37:22



LTE Band 4 / 20MHz

Lowest Channel / QPSK

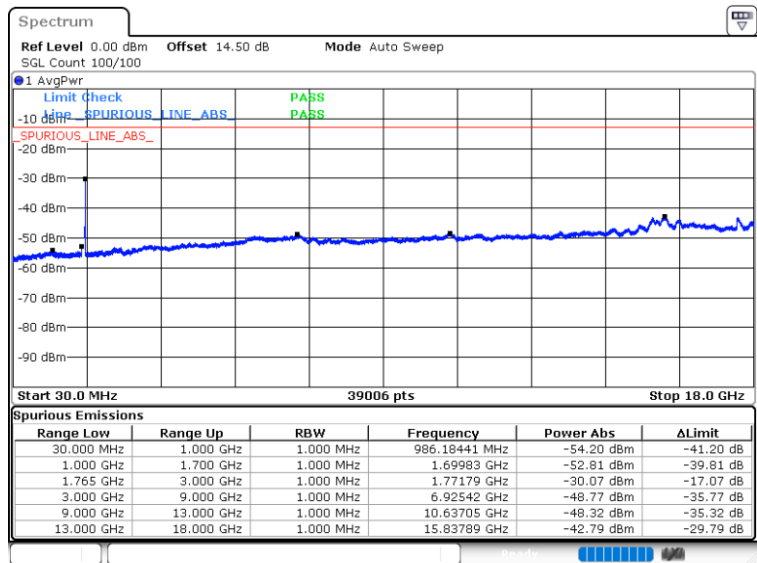
Middle Channel / QPSK



Date: 13.DEC.2023 16:24:52

Date: 13.DEC.2023 16:25:48

Highest Channel / QPSK



Date: 13.DEC.2023 16:33:57



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.50 V.
2. 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%

LTE Band 4 / 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	3447.18	-51.87	-13	-38.87	-73.32	-58.72	5.65	12.50	H
	5170.77	-56.72	-13	-43.72	-81.36	-62.39	7.13	12.80	H
	6894.36	-54.99	-13	-41.99	-81.19	-58.39	8.40	11.80	H
	3447.18	-51.54	-13	-38.54	-73.93	-58.39	5.65	12.50	V
	5170.77	-56.36	-13	-43.36	-81.5	-62.03	7.13	12.80	V
	6894.36	-53.55	-13	-40.55	-81.03	-56.95	8.40	11.80	V

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