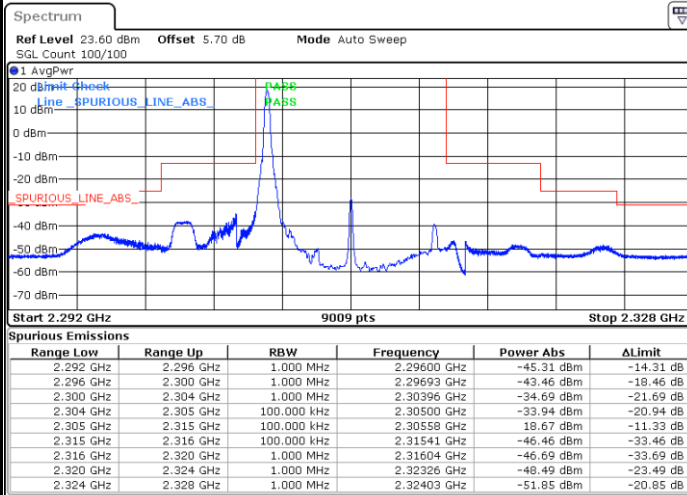




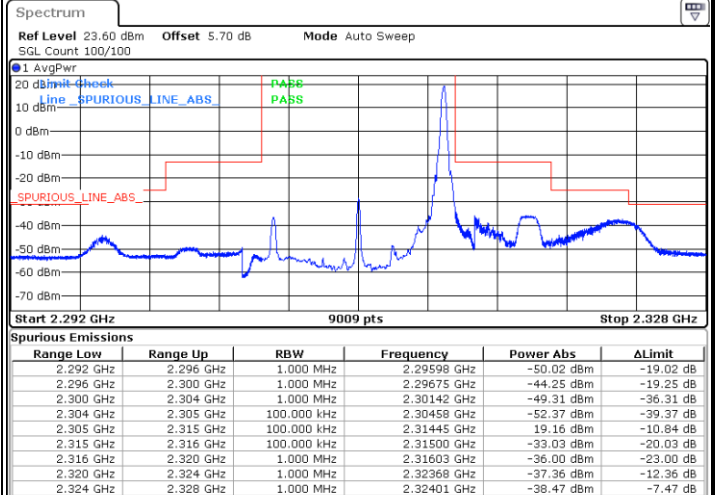
LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



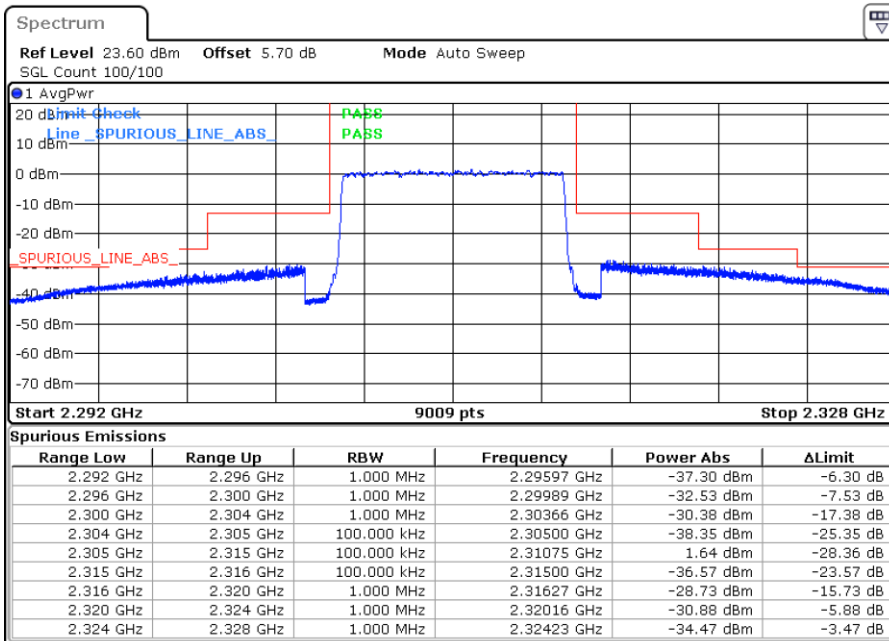
Date: 6 MAY 2019 22:31:59

Highest Band Edge / 1 RB



Date: 6 MAY 2019 22:35:57

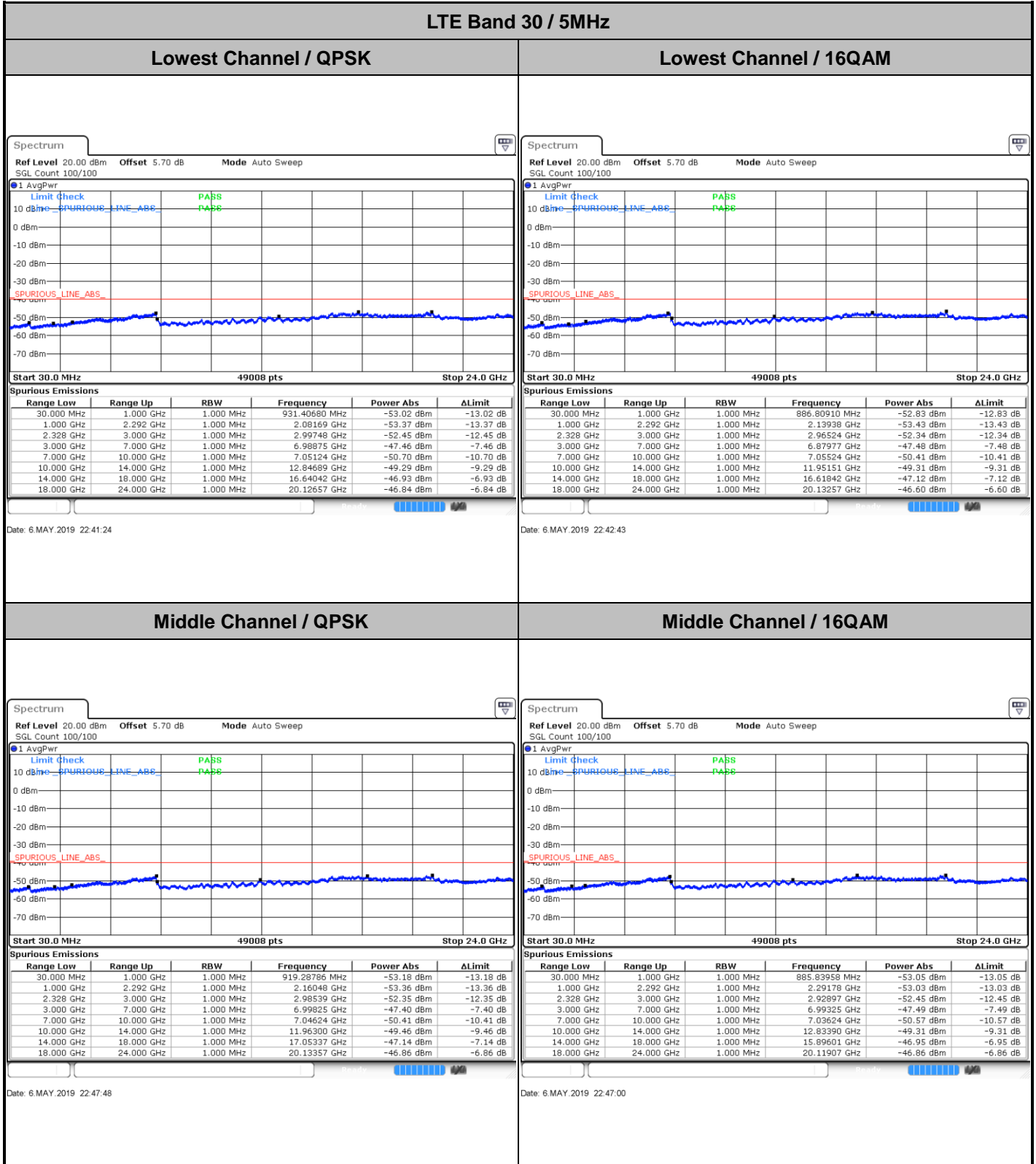
Band Edge / Full RB



Date: 6 MAY 2019 22:36:52



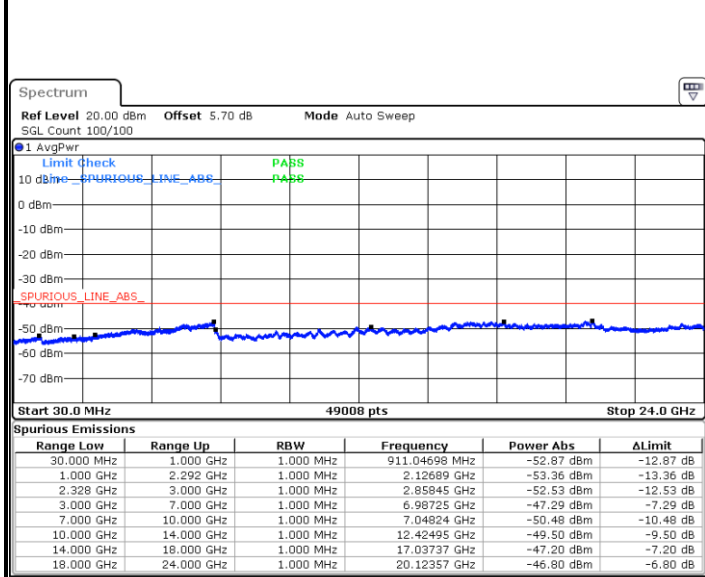
Conducted Spurious Emission





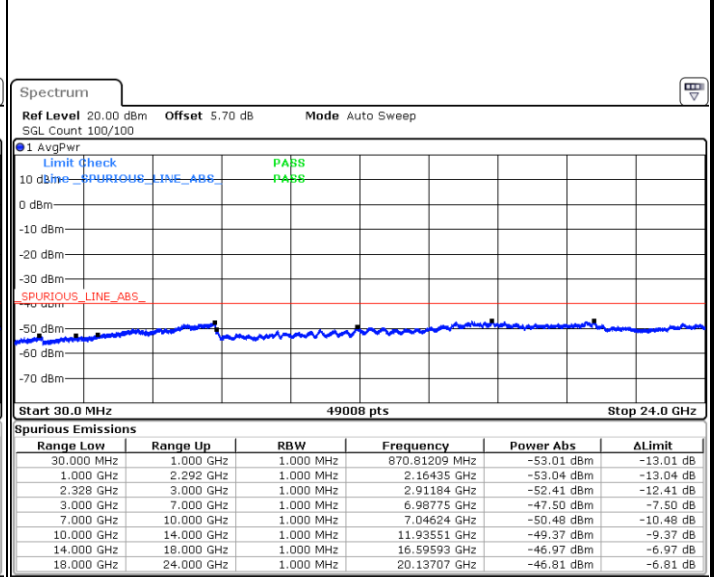
LTE Band 30 / 5MHz

Highest Channel / QPSK



Date: 6 MAY 2019 22:48:32

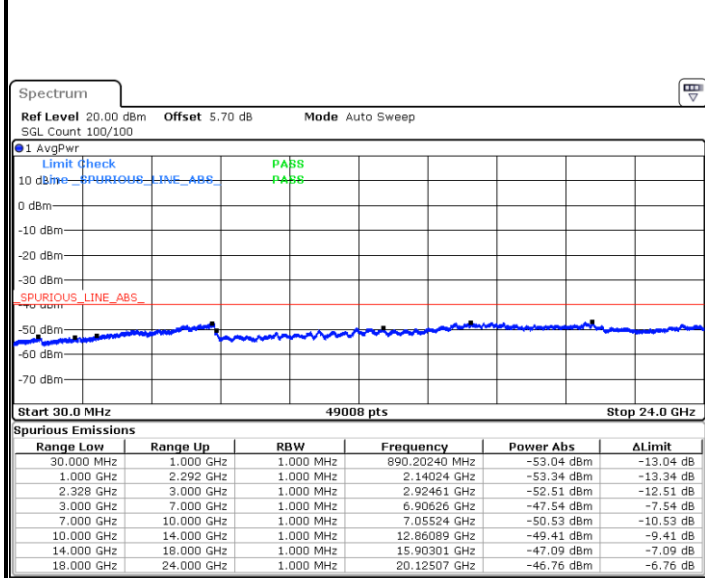
Highest Channel / 16QAM



Date: 6 MAY 2019 22:49:18

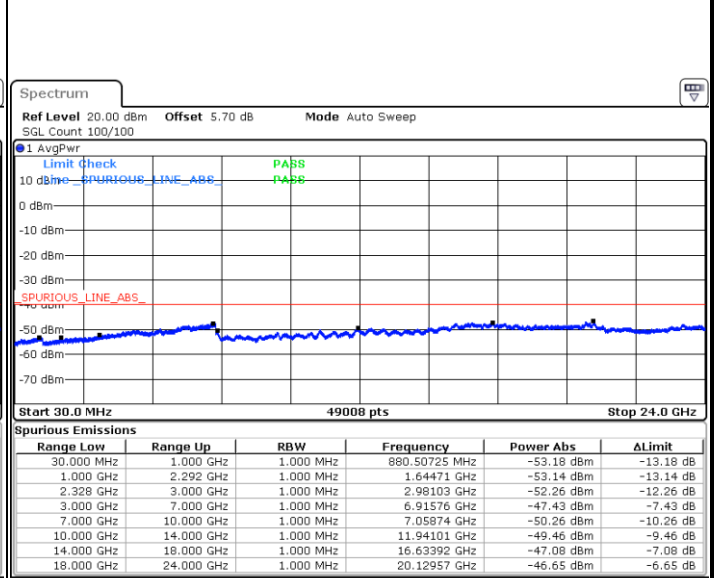
LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 6 MAY 2019 22:24:20

Middle Channel / 16QAM

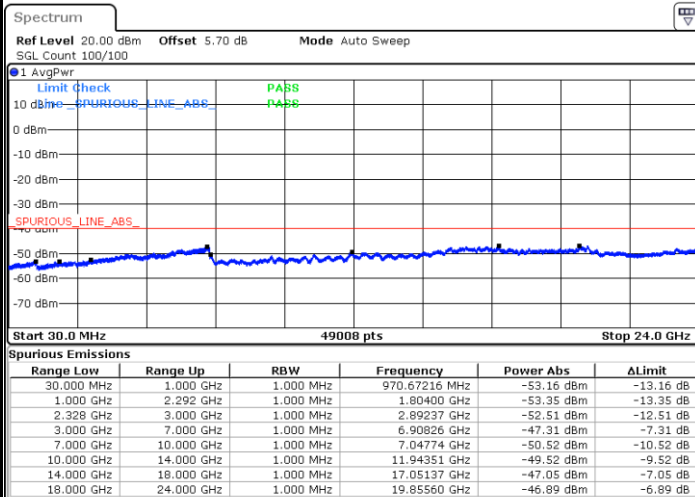


Date: 6 MAY 2019 22:26:23



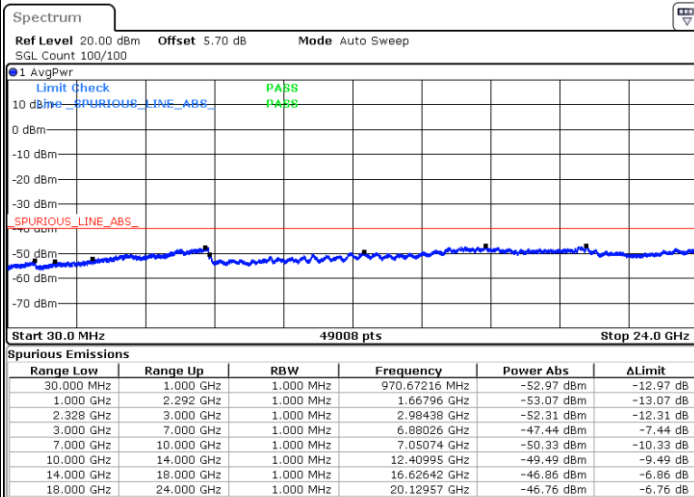
LTE Band 30 / 5MHz

Lowest Channel / 64QAM



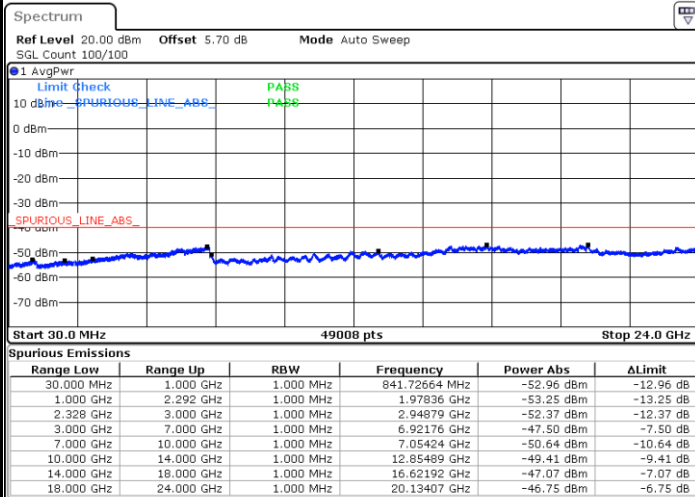
Date: 6 MAY.2019 22:44:56

Middle Channel / 64QAM

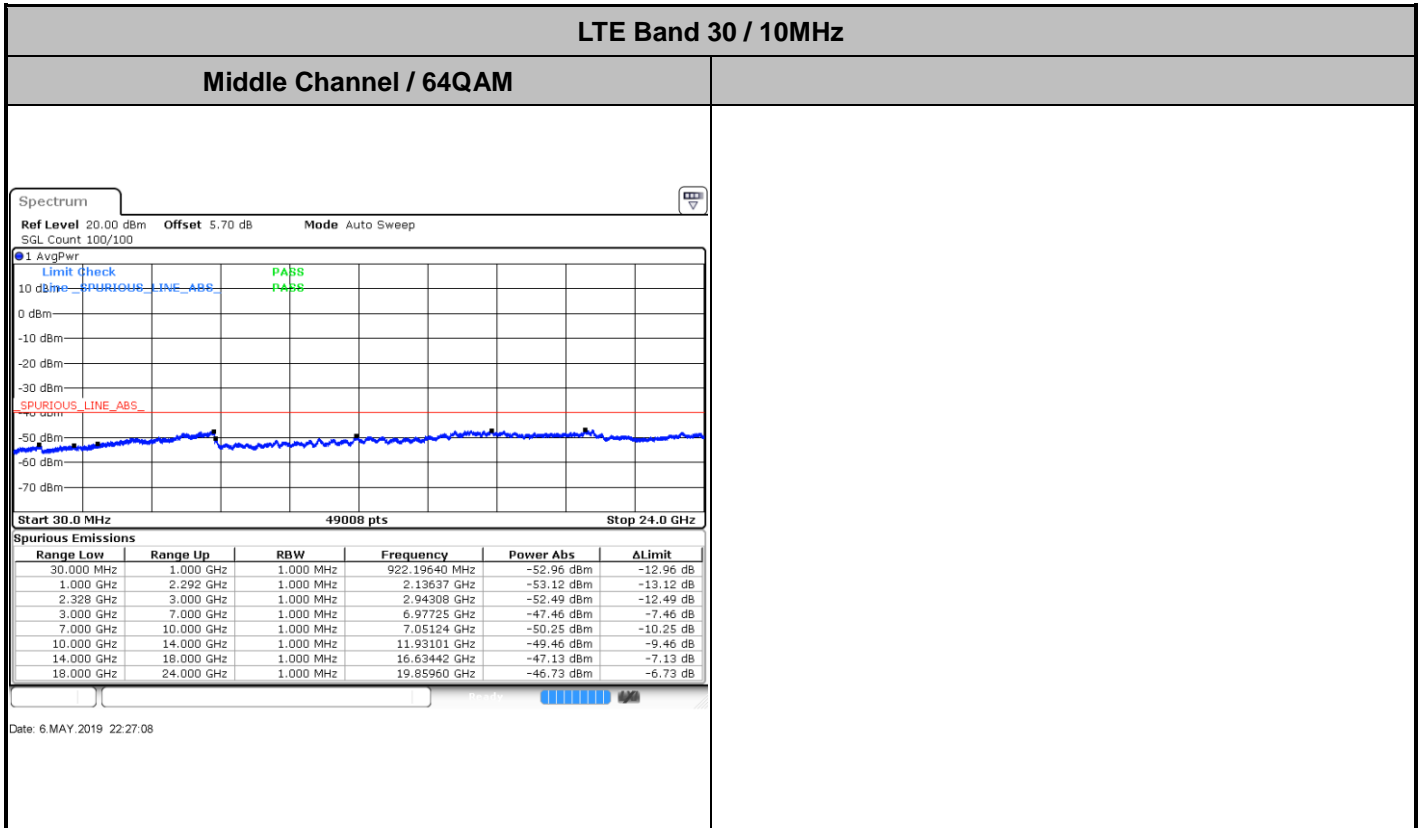


Date: 6 MAY.2019 22:46:09

Highest Channel / 64QAM



Date: 6 MAY.2019 22:51:06



Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =5 V. ; Battery End Point (BEP) =4.75 V. ; Maximum Voltage =5.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 30 / 5MHz / QPSK / RB Size 1 Offset 0								
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)
Lowest	4612	-60.59	-40	-20.59	-72.05	2.84	14.30	H
	6916.02	-63.09	-40	-23.09	-73.03	3.49	13.43	H
	9220	-54.92	-40	-14.92	-65.16	3.85	14.09	H
	4612	-62.30	-40	-22.30	-73.76	2.84	14.30	V
	6916	-63.19	-40	-23.19	-73.13	3.49	13.43	V
	9220	-57.53	-40	-17.53	-67.77	3.85	14.09	V
Middle	4616	-63.98	-40	-23.98	-75.44	2.84	14.30	H
	6923.52	-62.86	-40	-22.86	-72.80	3.49	13.43	H
	9230	-54.35	-40	-14.35	-64.59	3.85	14.09	H
	4616	-63.36	-40	-23.36	-74.82	2.84	14.30	V
	6924	-62.77	-40	-22.77	-72.71	3.49	13.43	V
	9230	-57.11	-40	-17.11	-67.35	3.85	14.09	V
Highest	4620.68	-63.90	-40	-23.90	-75.36	2.84	14.30	H
	6932	-62.82	-40	-22.82	-72.76	3.49	13.43	H
	9240	-53.27	-40	-13.27	-63.51	3.85	14.09	H
	4620	-64.70	-40	-24.70	-76.16	2.84	14.30	V
	6932	-62.64	-40	-22.64	-72.58	3.49	13.43	V
	9240	-57.58	-40	-17.58	-67.82	3.85	14.09	V

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



LTE Band 30 / 10MHz / QPSK / RB Size 1 Offset 0								
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	4612	-58.22	-40	-18.22	-69.68	2.84	14.30	H
	6916	-62.27	-40	-22.27	-72.21	3.49	13.43	H
	9224	-50.40	-40	-10.40	-60.64	3.85	14.09	H
	4612	-60.33	-40	-20.33	-71.79	2.84	14.30	V
	6916.77	-62.56	-40	-22.56	-72.50	3.49	13.43	V
	9224	-53.29	-40	-13.29	-63.53	3.85	14.09	V

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