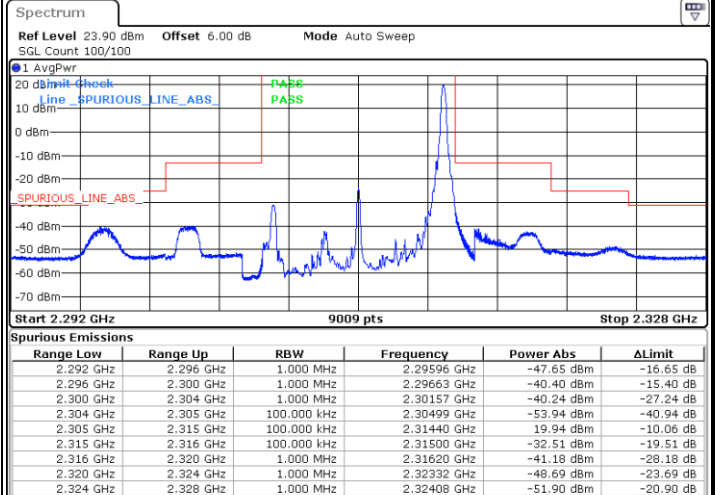
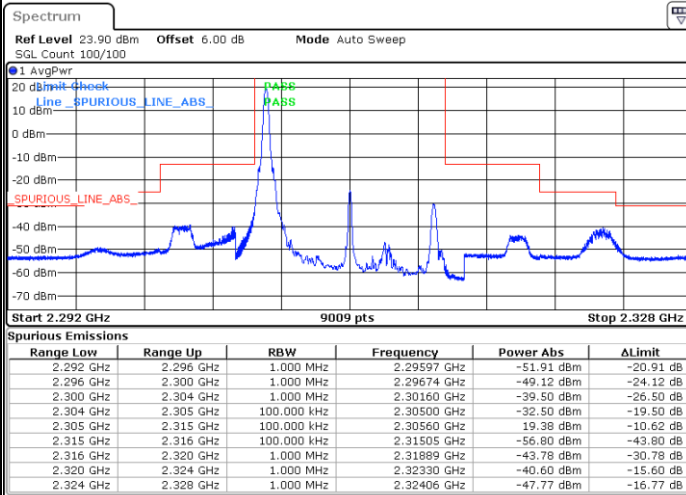




LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

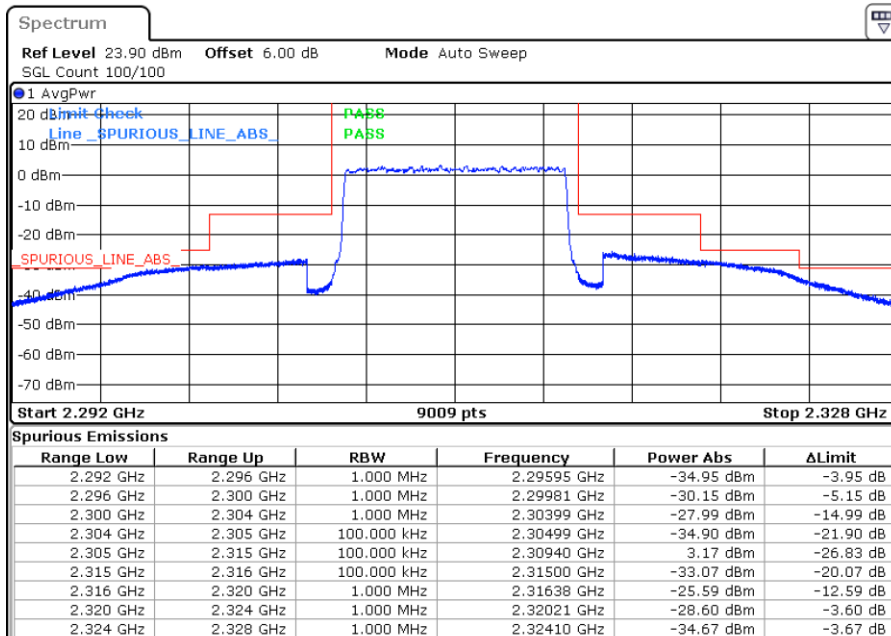
Highest Band Edge / 1 RB



Date: 30 JAN 2020 09:15:49

Date: 30 JAN 2020 09:17:00

Band Edge / Full RB



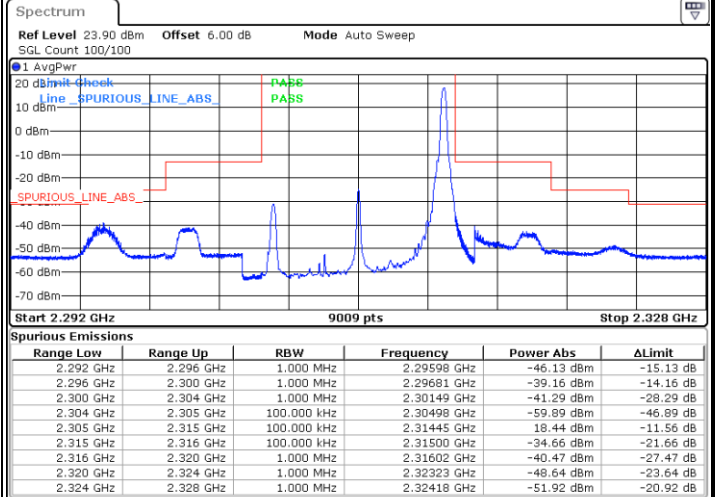
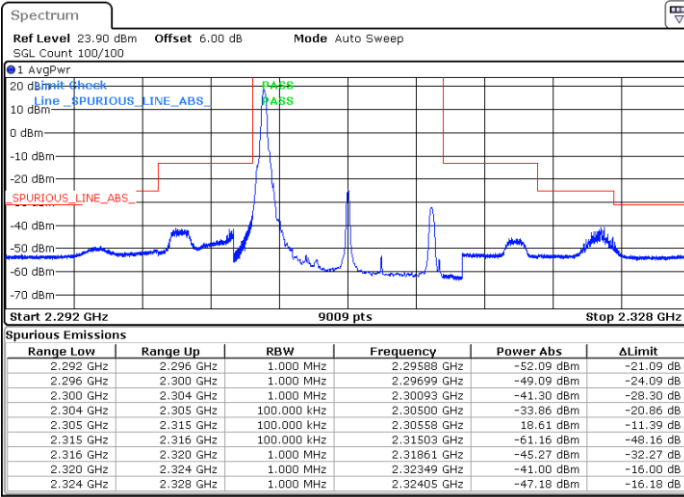
Date: 13 FEB 2020 01:49:14



LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

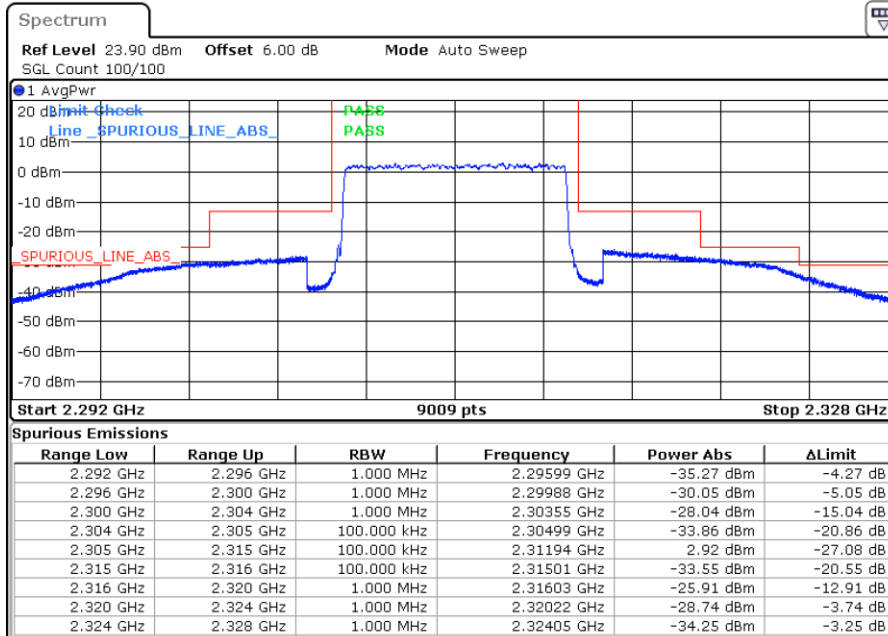
Highest Band Edge / 1 RB



Date: 30 JAN 2020 09:15:17

Date: 30 JAN 2020 09:17:29

Band Edge / Full RB



Date: 13 FEB 2020 01:49:36

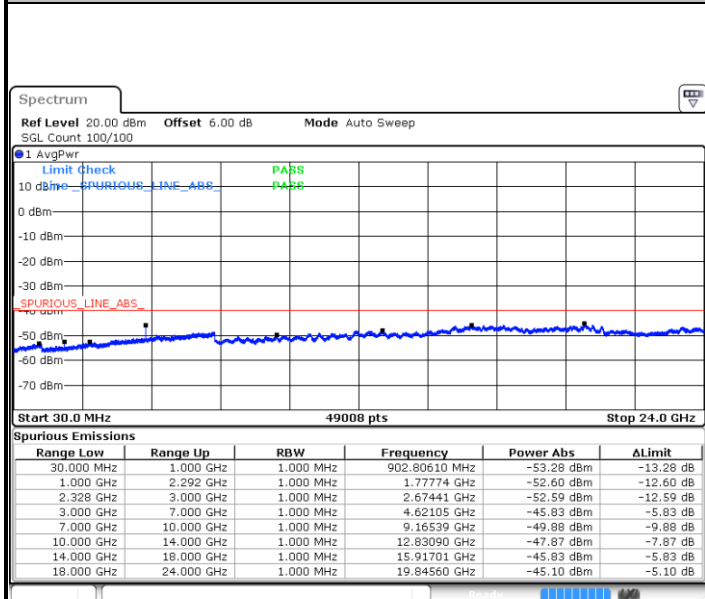
# Conducted Spurious Emission



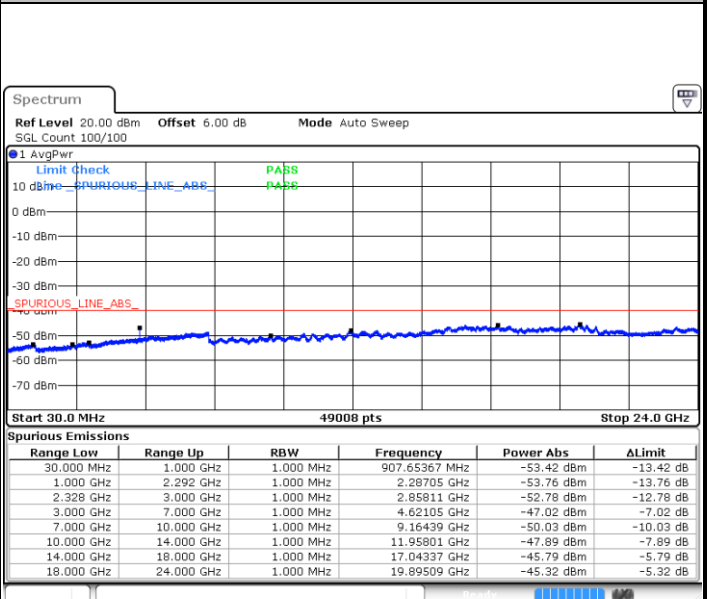


**LTE Band 30 / 5MHz**

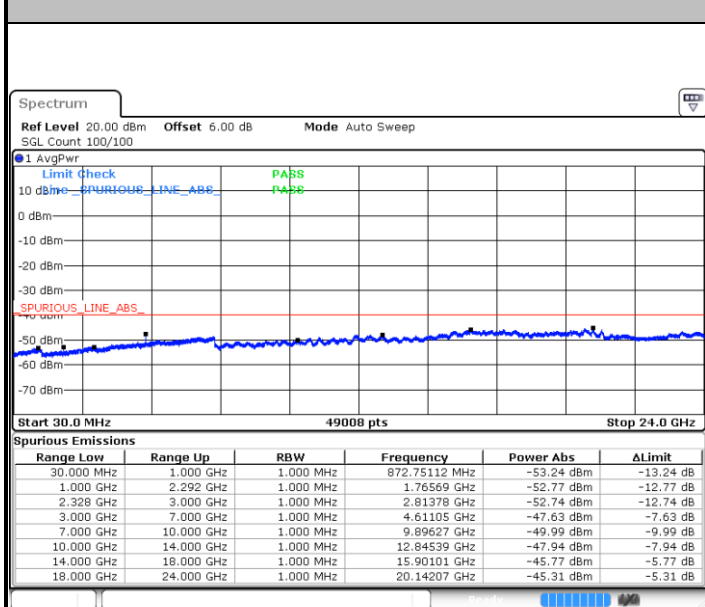
**Highest Channel / QPSK**



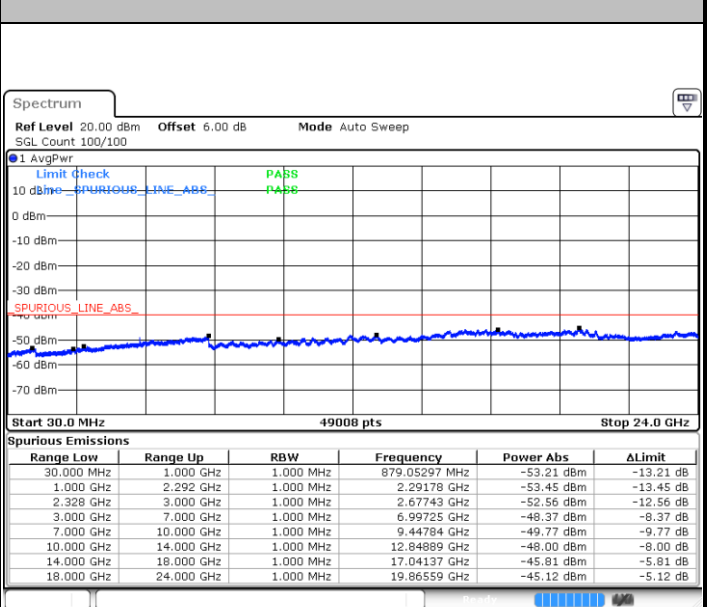
**Highest Channel / 16QAM**



**Lowest Channel / 64QAM**

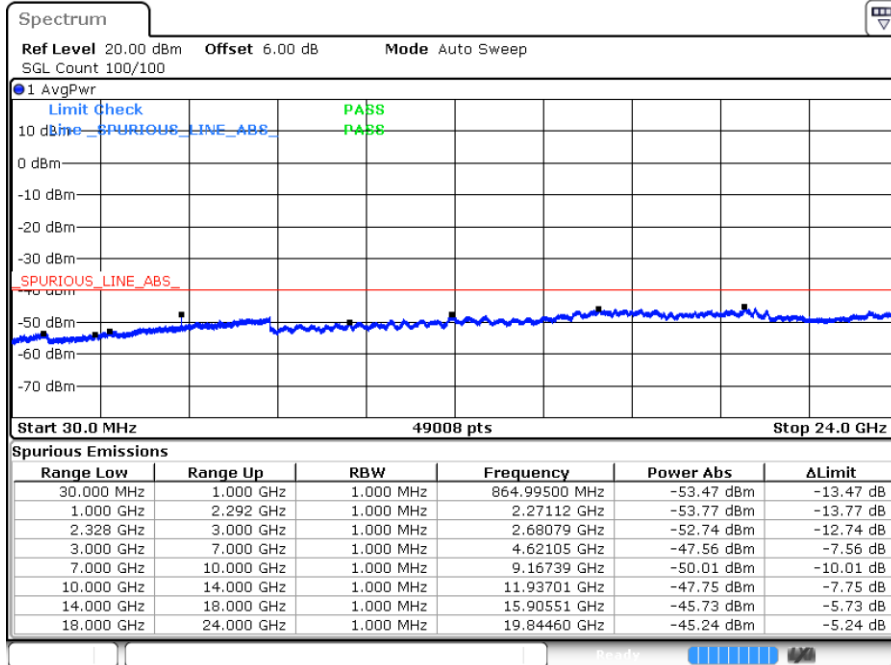


**Middle Channel / 64QAM**

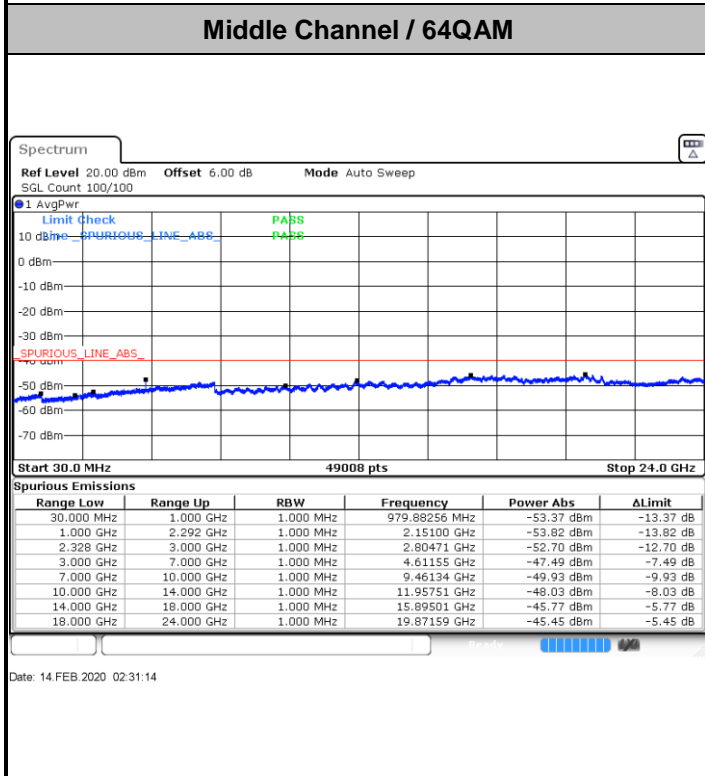
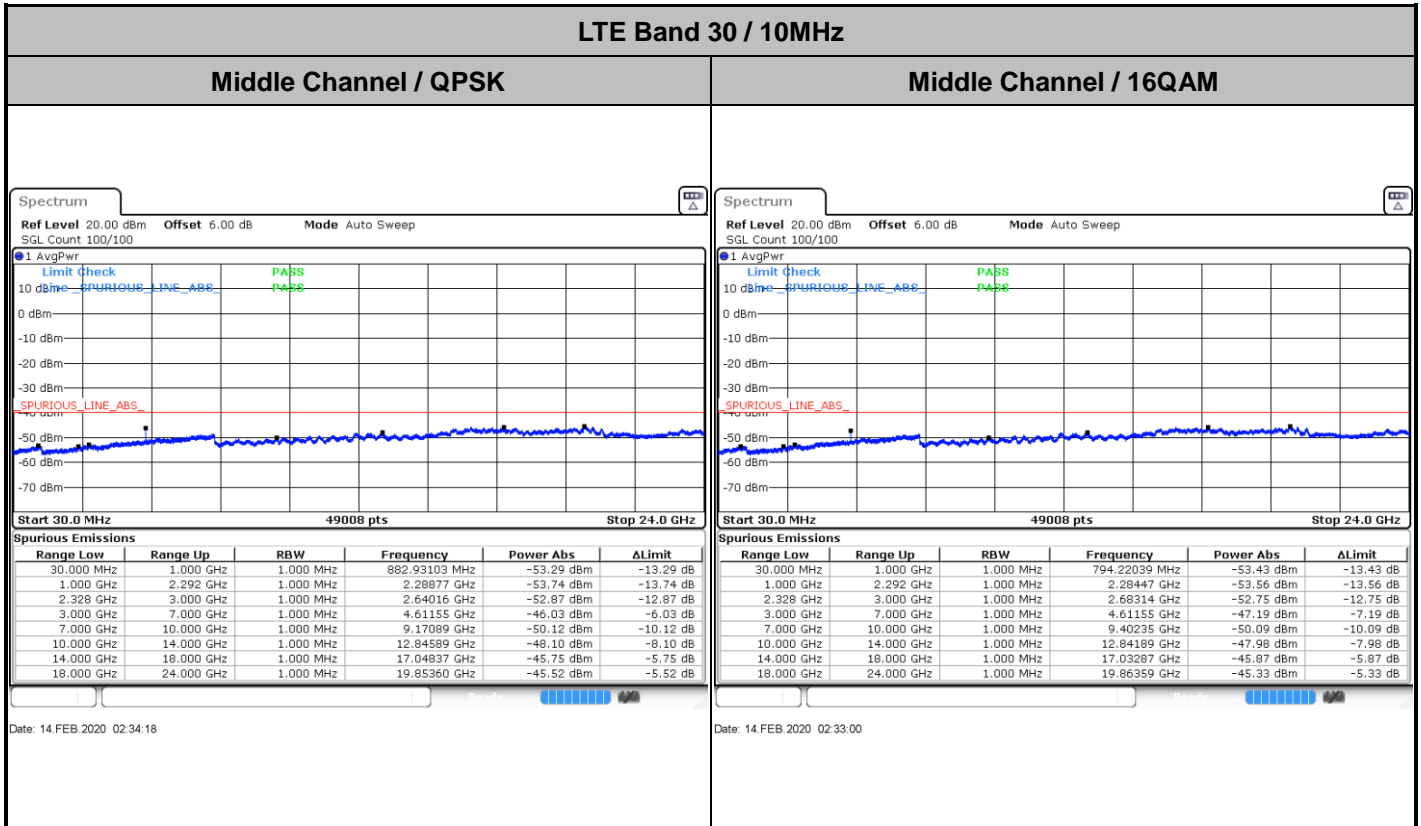




Highest Channel / 64QAM



Date: 29 JAN 2020 20:22:33



## 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	0.0012	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0044	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

## 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	4610	-54.48	-40	-14.48	-62.66	2.12	10.30	H
	6915	-50.41	-40	-10.41	-59.65	2.47	11.71	H
	9220	-63.73	-40	-23.73	-73.83	2.81	12.91	H
	4610	-49.32	-40	-9.32	-57.50	2.12	10.30	V
	6915	-55.35	-40	-15.35	-64.59	2.47	11.71	V
	9220	-62.06	-40	-22.06	-72.16	2.81	12.91	V
Middle	4615	-52.68	-40	-12.68	-60.86	2.12	10.30	H
	6925	-47.01	-40	-7.01	-56.25	2.47	11.71	H
	9230	-61.87	-40	-21.87	-71.97	2.81	12.91	H
	11539.2	-62.30	-40	-22.30	-72.34	3.60	13.64	H
	13847.04	-59.33	-40	-19.33	-69.80	3.83	14.30	H
	4615	-51.66	-40	-11.66	-59.84	2.12	10.30	V
	6925	-47.86	-40	-7.86	-57.10	2.47	11.71	V
	9231.36	-60.30	-40	-20.30	-70.40	2.81	12.91	V
	11539.2	-62.55	-40	-22.55	-72.59	3.60	13.64	V
	13850	-58.69	-40	-18.69	-69.16	3.83	14.30	V
Highest	4620	-52.50	-40	-12.50	-60.68	2.12	10.30	H
	6930	-56.45	-40	-16.45	-65.69	2.47	11.71	H
	9240	-64.12	-40	-24.12	-74.22	2.81	12.91	H
	4620	-48.55	-40	-8.55	-56.73	2.12	10.30	V
	6930	-60.33	-40	-20.33	-69.57	2.47	11.71	V
	9240	-64.10	-40	-24.10	-74.20	2.81	12.91	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	4608	-54.02	-40	-14.02	-62.20	2.12	10.30	H
	6918	-44.74	-40	-4.74	-53.98	2.47	11.71	H
	9220	-61.47	-40	-21.47	-71.57	2.81	12.91	H
	11527.95	-62.07	-40	-22.07	-72.11	3.60	13.64	H
	13833.54	-58.35	-40	-18.35	-68.82	3.83	14.30	H
	4608	-52.19	-40	-12.19	-60.37	2.12	10.30	V
	6918	-48.80	-40	-8.80	-58.04	2.47	11.71	V
	9222.36	-61.06	-40	-21.06	-71.16	2.81	12.91	V
	11527.95	-62.60	-40	-22.60	-72.64	3.60	13.64	V
	13830	-55.62	-40	-15.62	-66.09	3.83	14.30	V

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