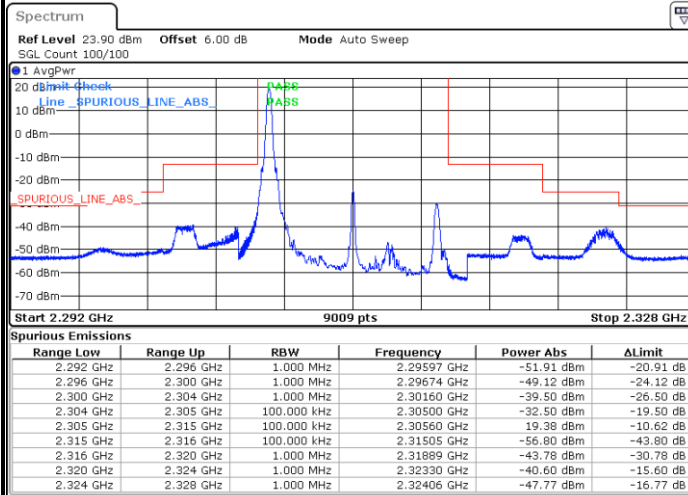


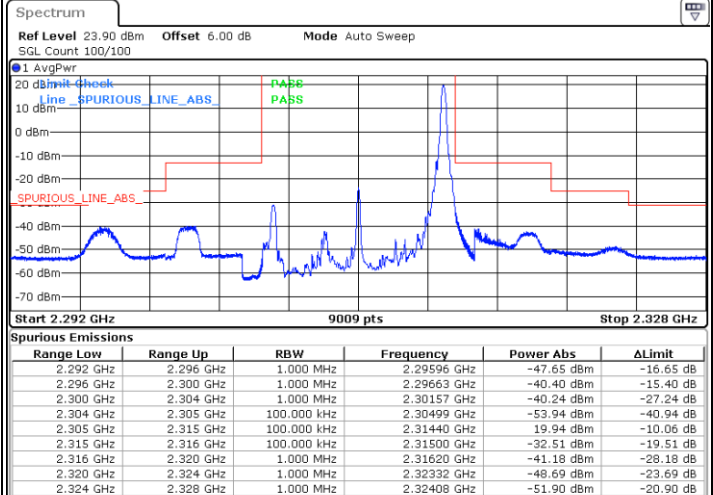
LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



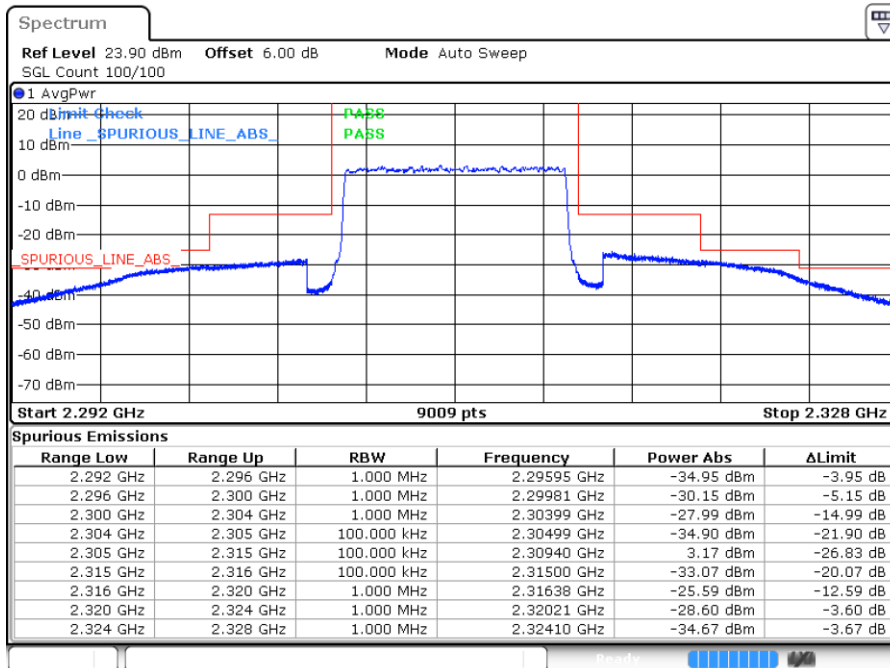
Date: 30 JAN 2020 09:15:49

Highest Band Edge / 1 RB



Date: 30 JAN 2020 09:17:00

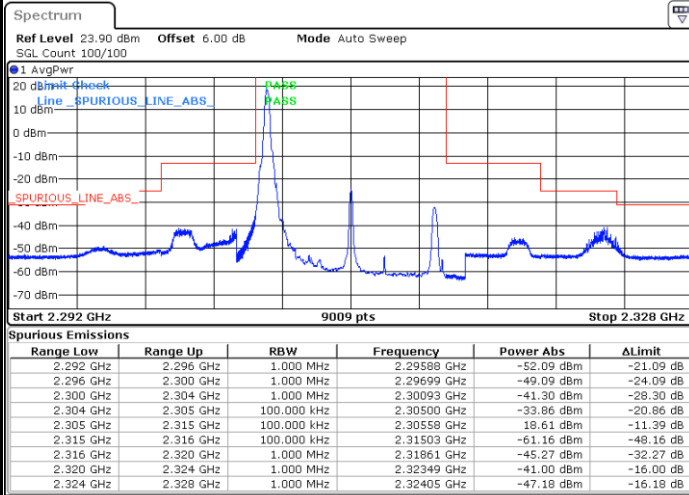
Band Edge / Full RB



Date: 13 FEB 2020 01:49:14

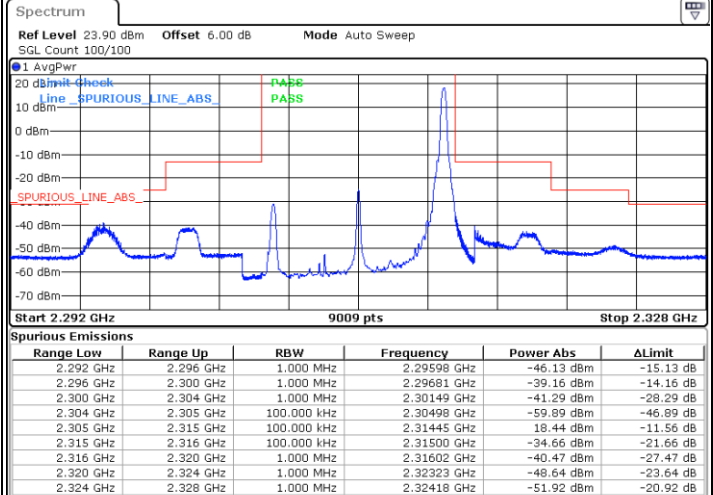
LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



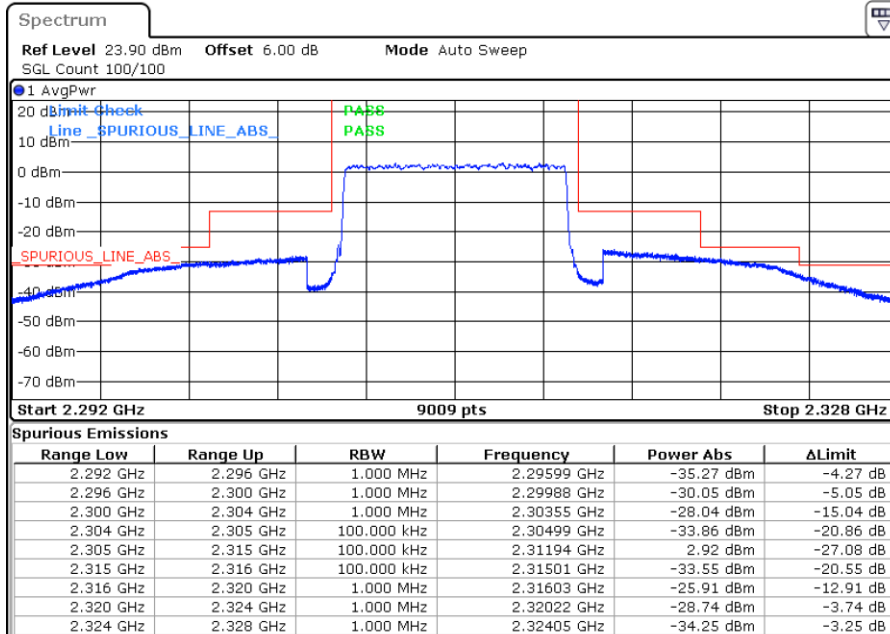
Date: 30 JAN 2020 09:15:17

Highest Band Edge / 1 RB



Date: 30 JAN 2020 09:17:29

Band Edge / Full RB

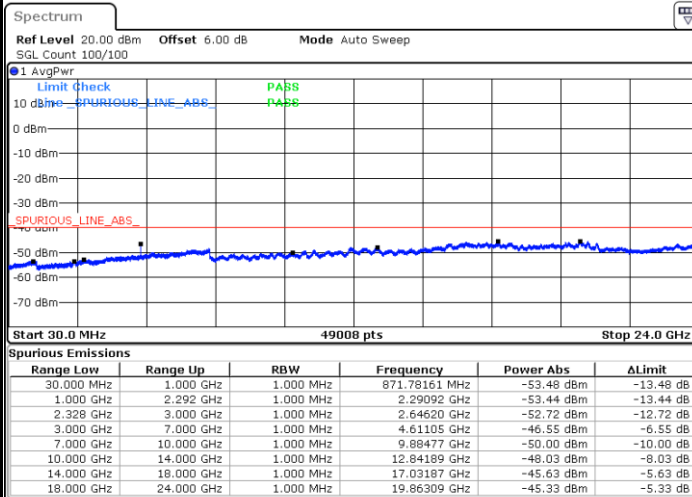


Date: 13 FEB 2020 01:49:36

Conducted Spurious Emission

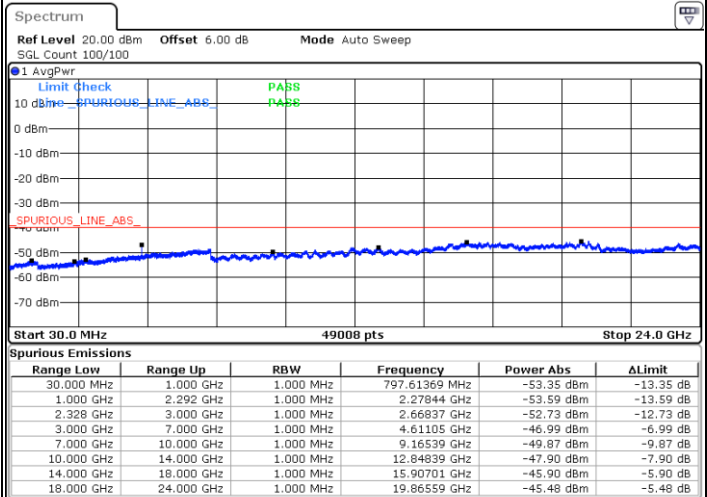
LTE Band 30 / 5MHz

Lowest Channel / QPSK



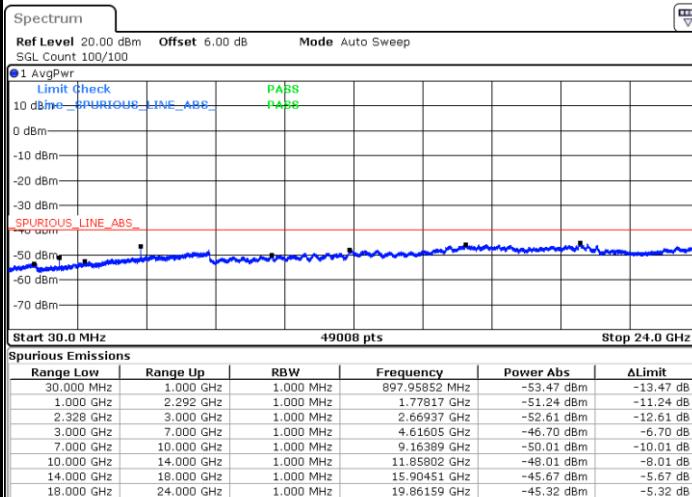
Date: 29 JAN 2020 19:31:15

Lowest Channel / 16QAM



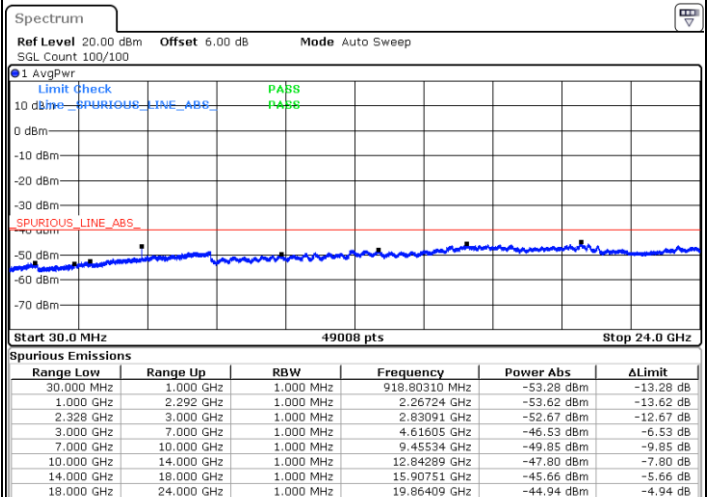
Date: 29 JAN 2020 19:27:43

Middle Channel / QPSK



Date: 29 JAN 2020 19:33:42

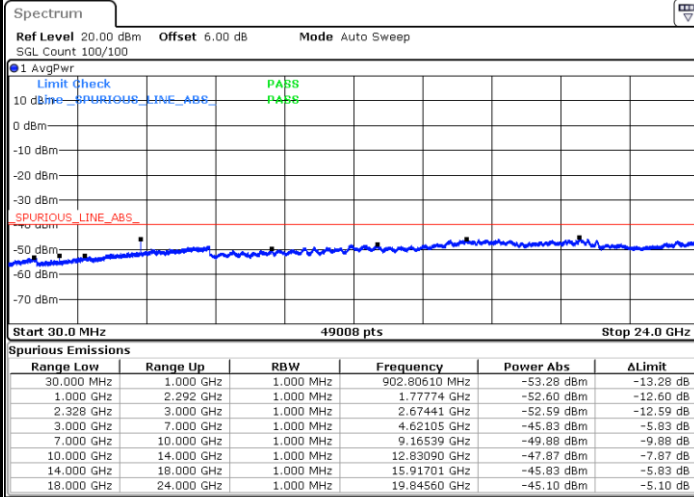
Middle Channel / 16QAM



Date: 29 JAN 2020 20:13:17

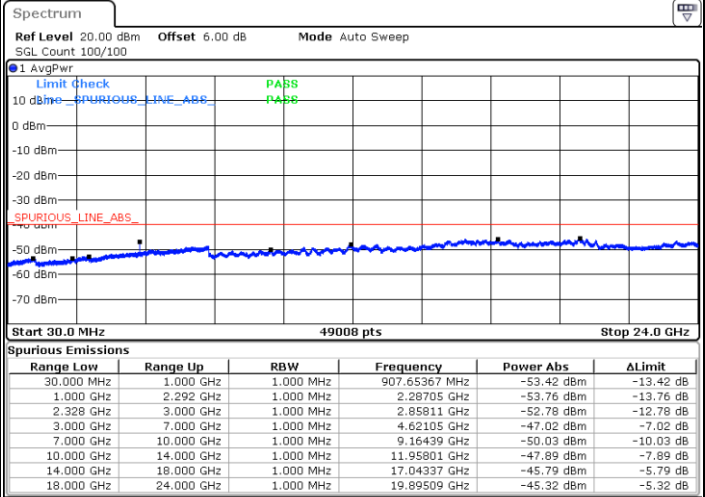
LTE Band 30 / 5MHz

Highest Channel / QPSK



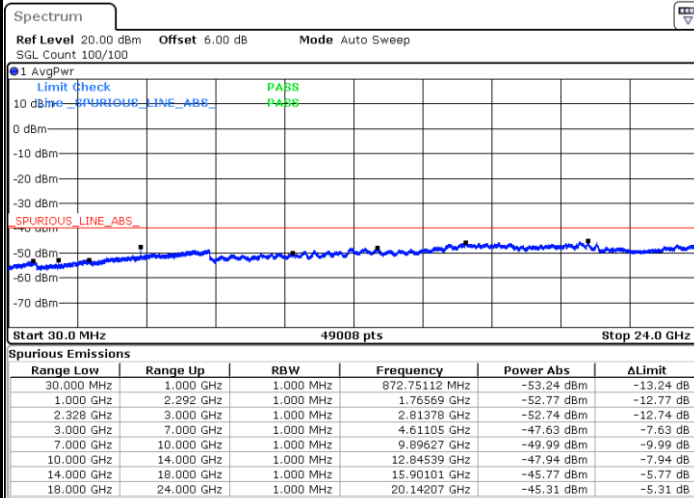
Date: 29 JAN 2020 20:25:03

Highest Channel / 16QAM



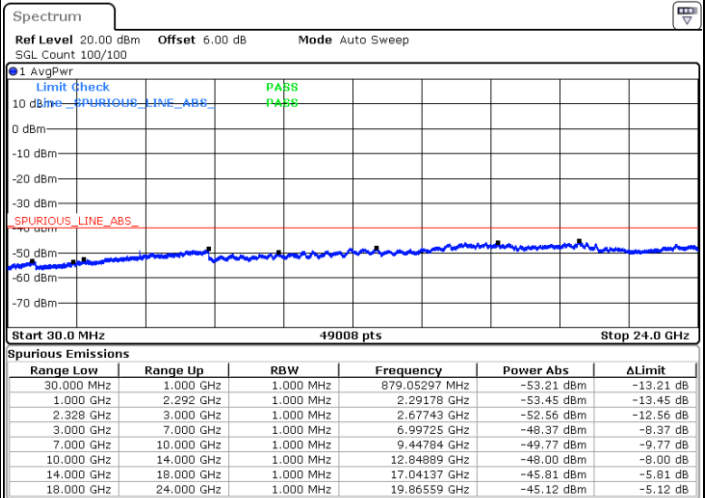
Date: 29 JAN 2020 20:23:23

Lowest Channel / 64QAM



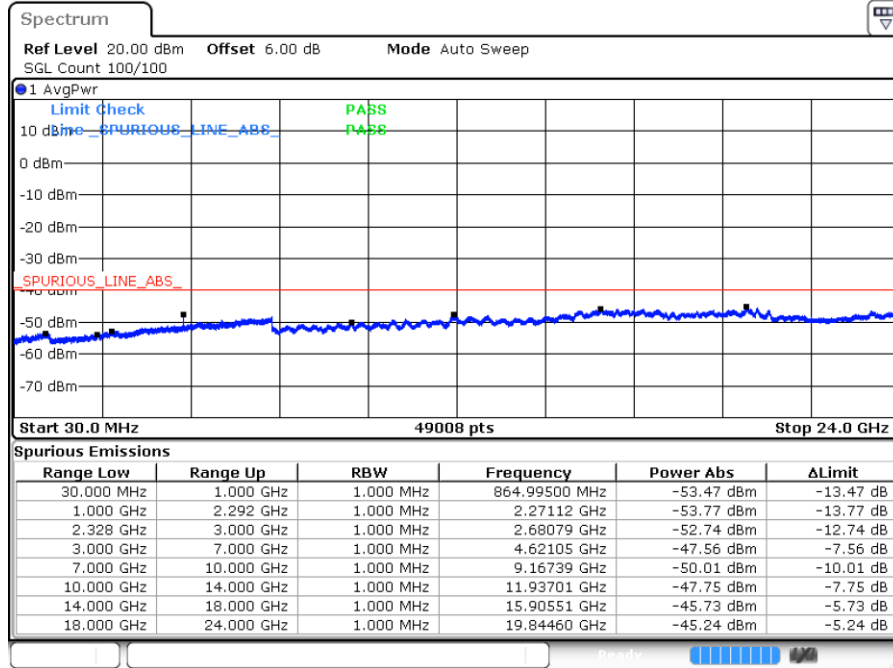
Date: 29 JAN 2020 19:21:29

Middle Channel / 64QAM



Date: 29 JAN 2020 20:14:15

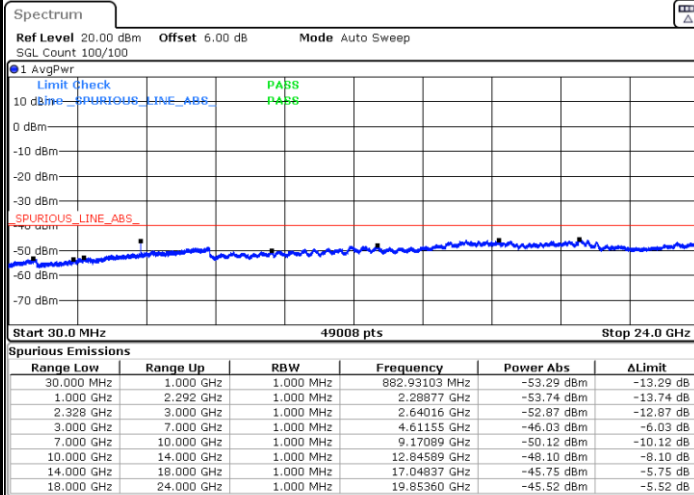
Highest Channel / 64QAM



Date: 29 JAN 2020 20:22:33

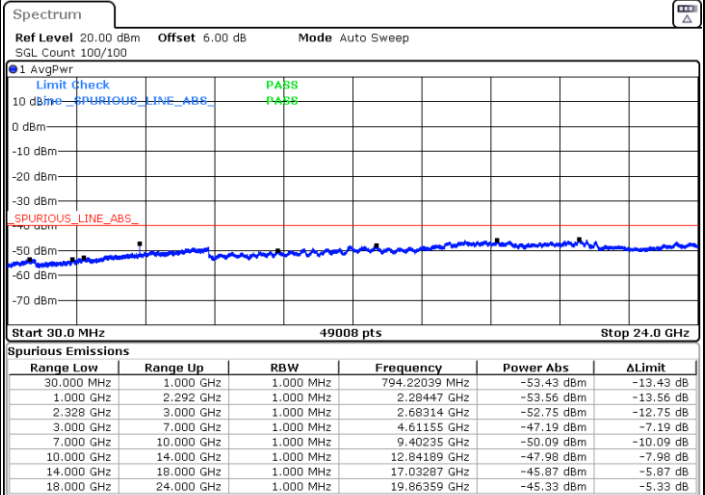
LTE Band 30 / 10MHz

Middle Channel / QPSK



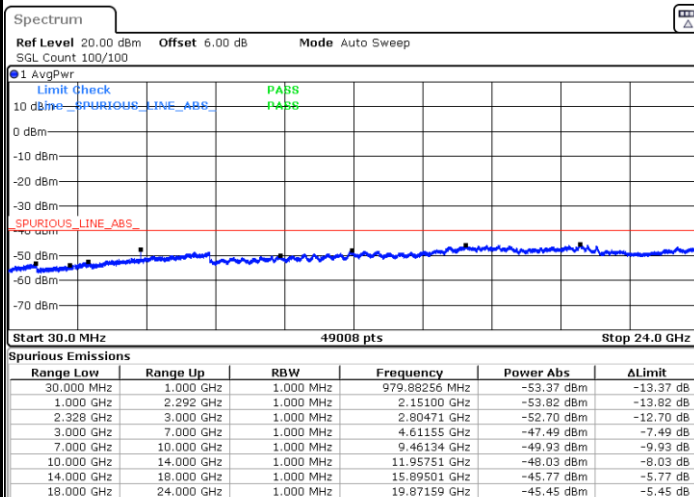
Date: 14.FEB.2020 02:34:18

Middle Channel / 16QAM



Date: 14.FEB.2020 02:33:00

Middle Channel / 64QAM



Date: 14.FEB.2020 02:31:14

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.