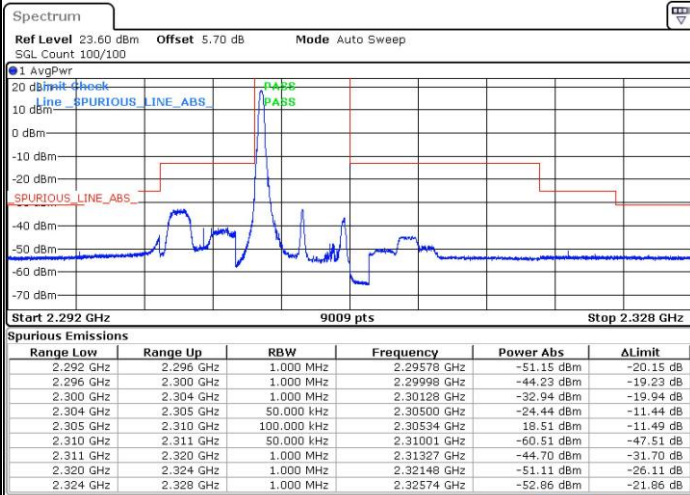




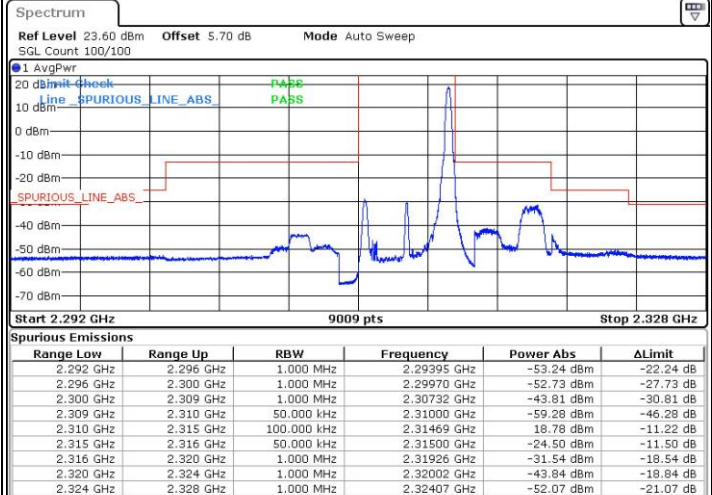
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



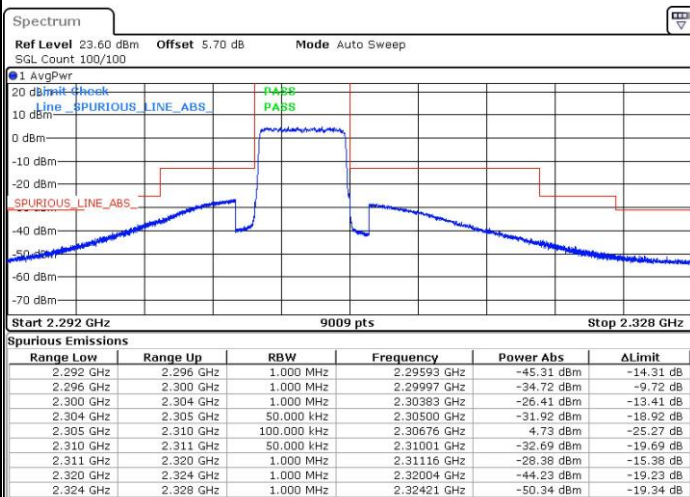
Date: 9 MAR 2019 11:44:58



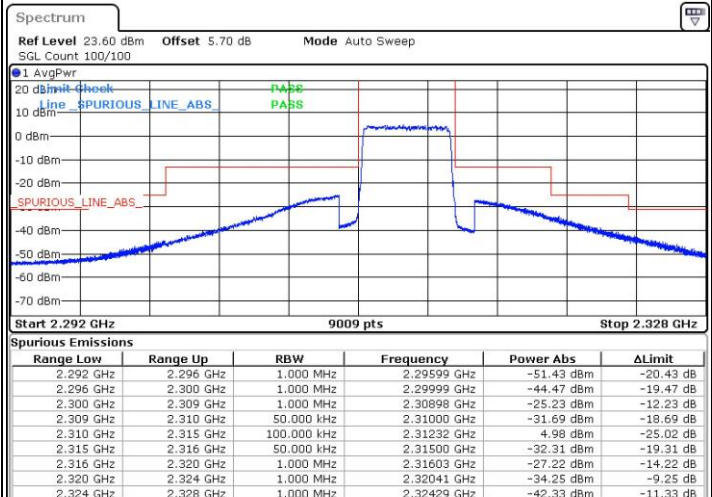
Date: 9 MAR 2019 11:50:24

Lowest Band Edge / Full RB

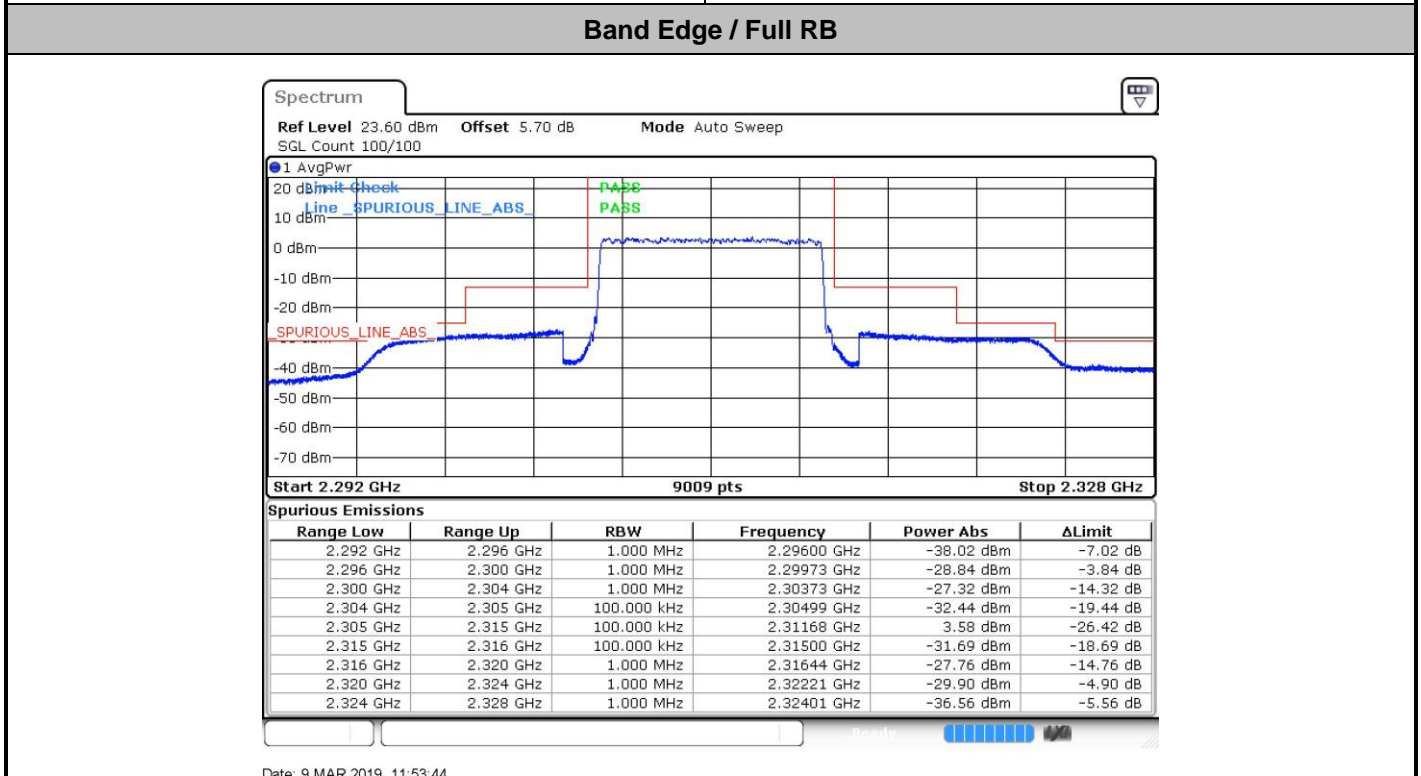
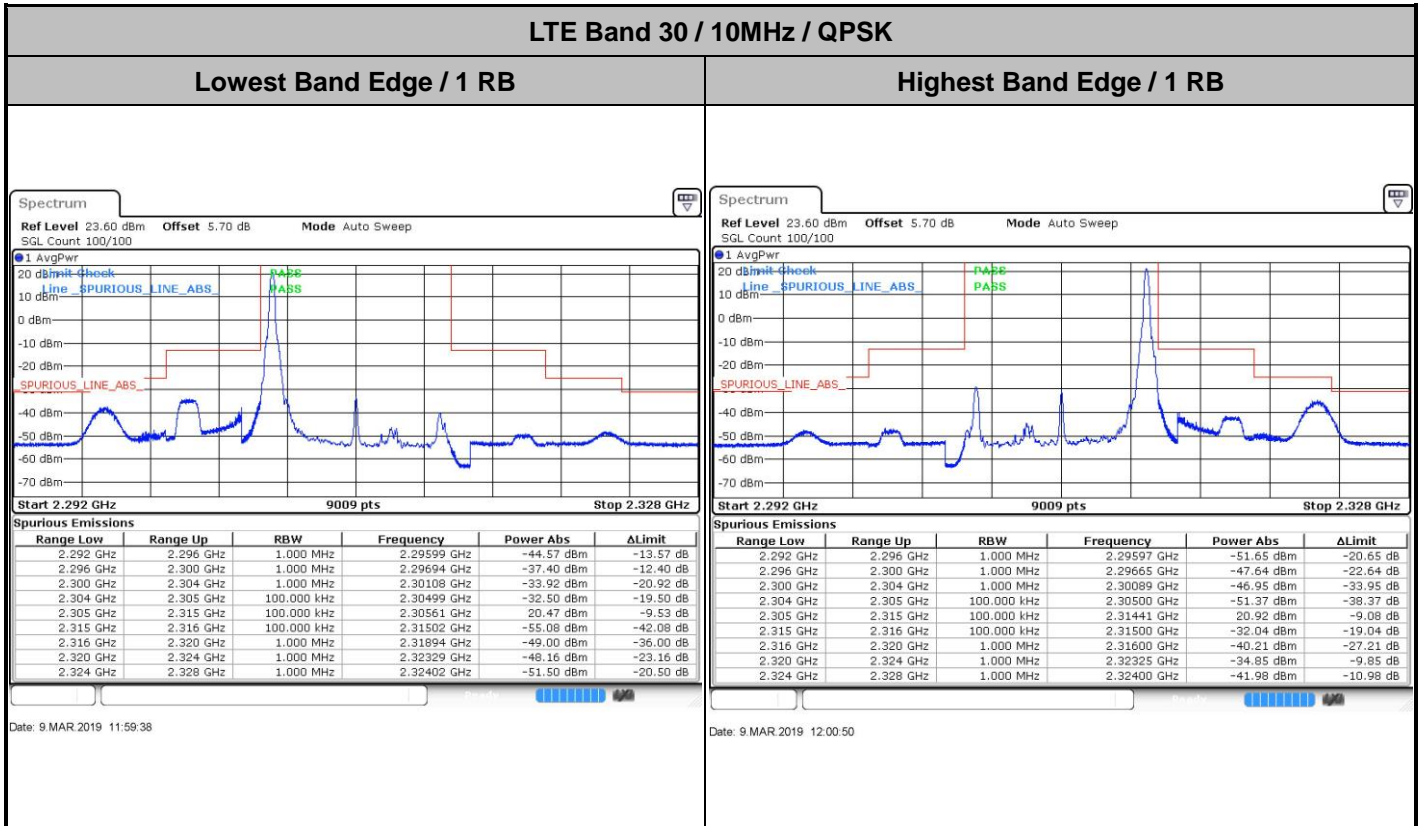
Highest Band Edge / Full RB

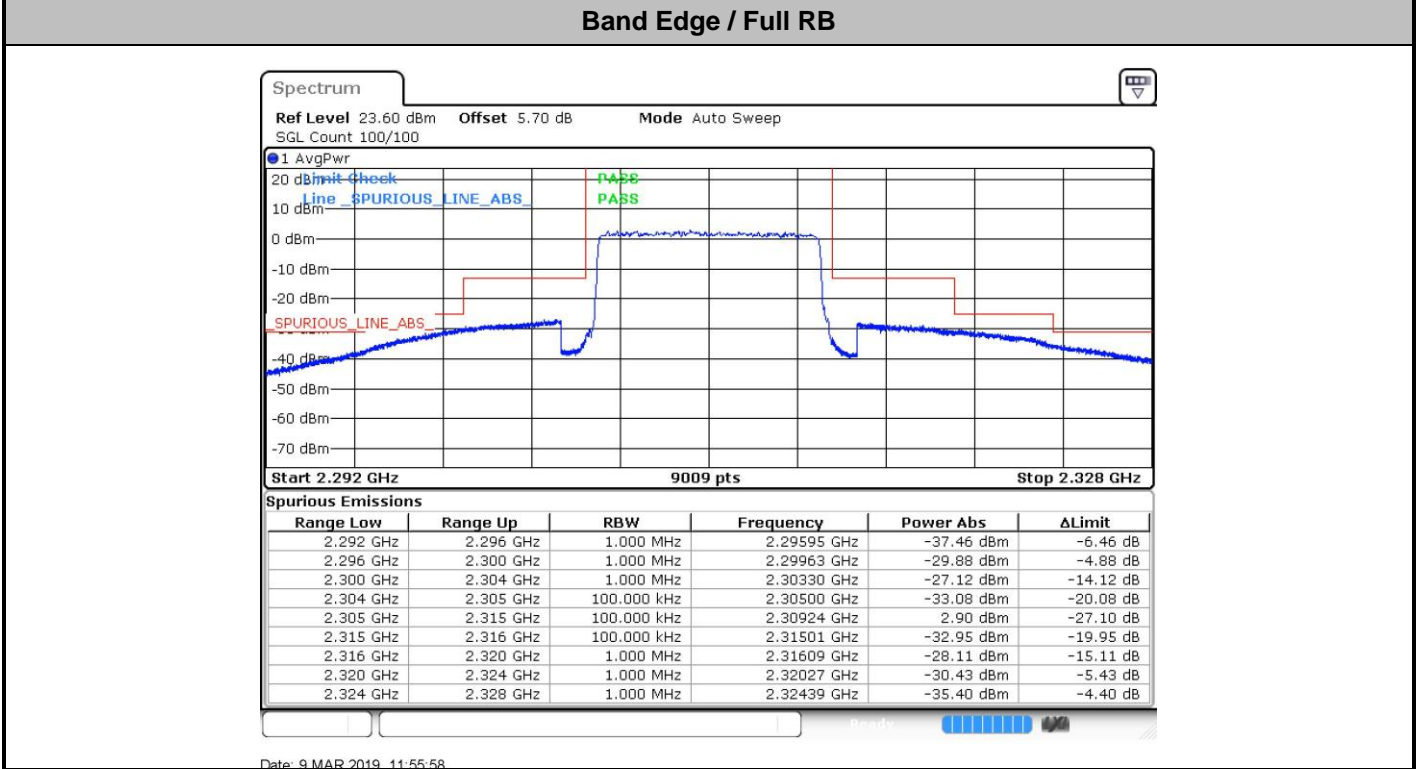
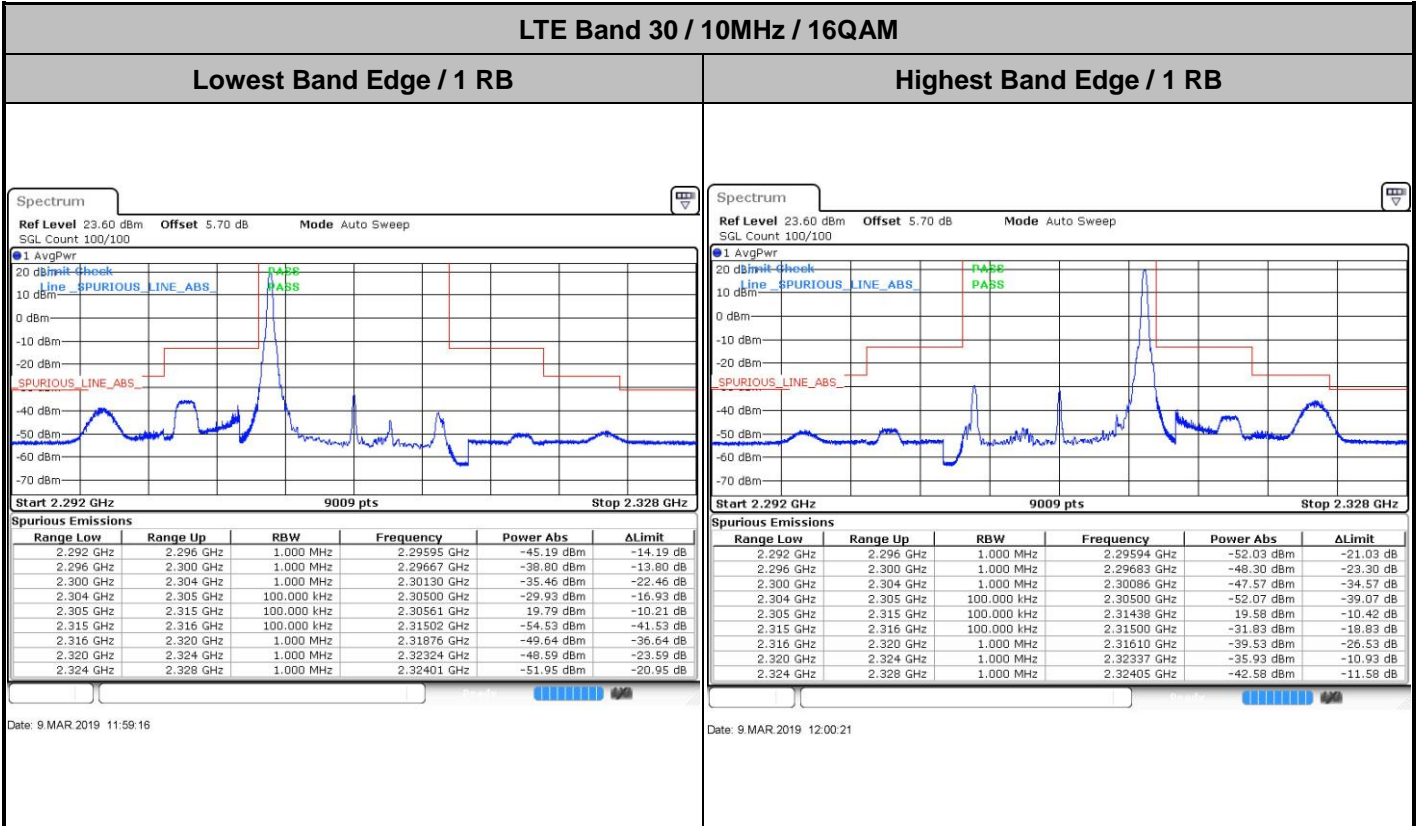


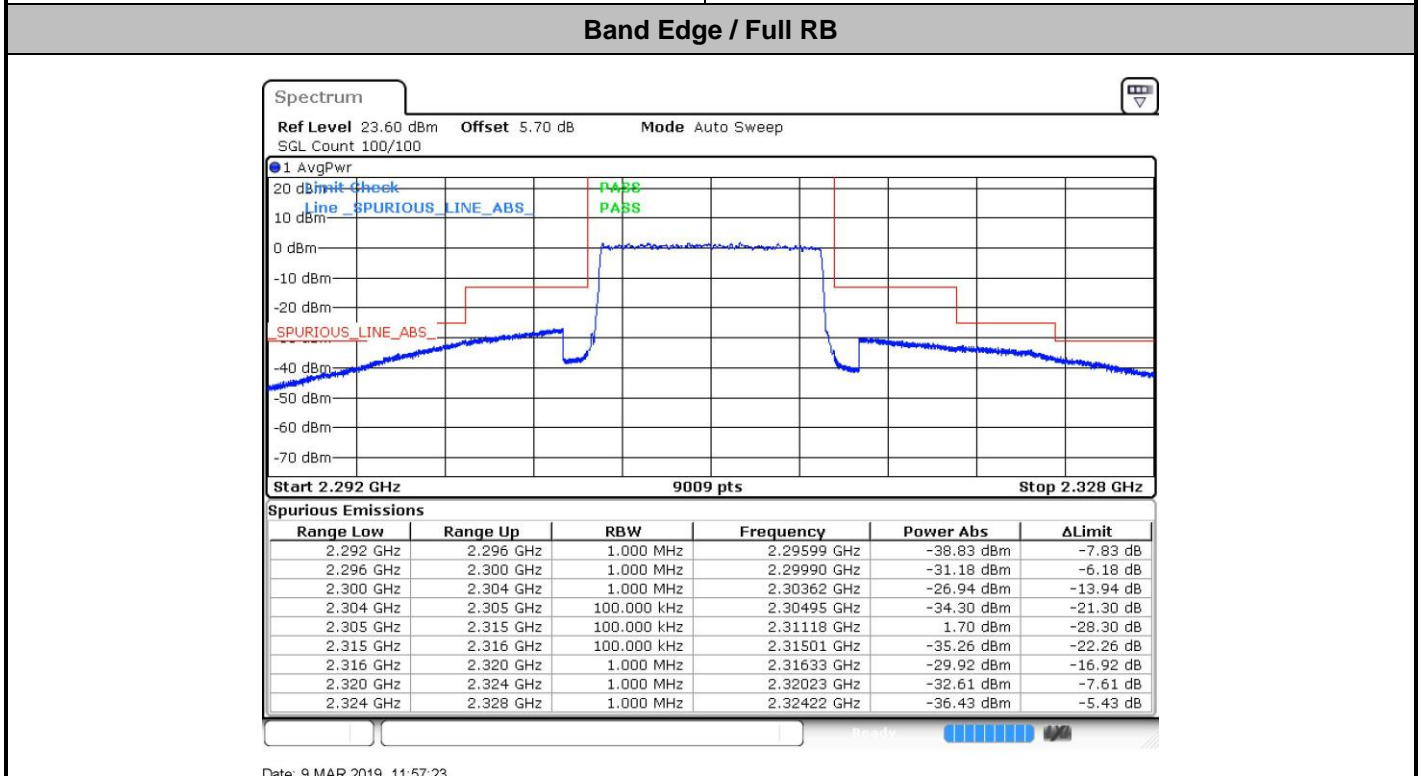
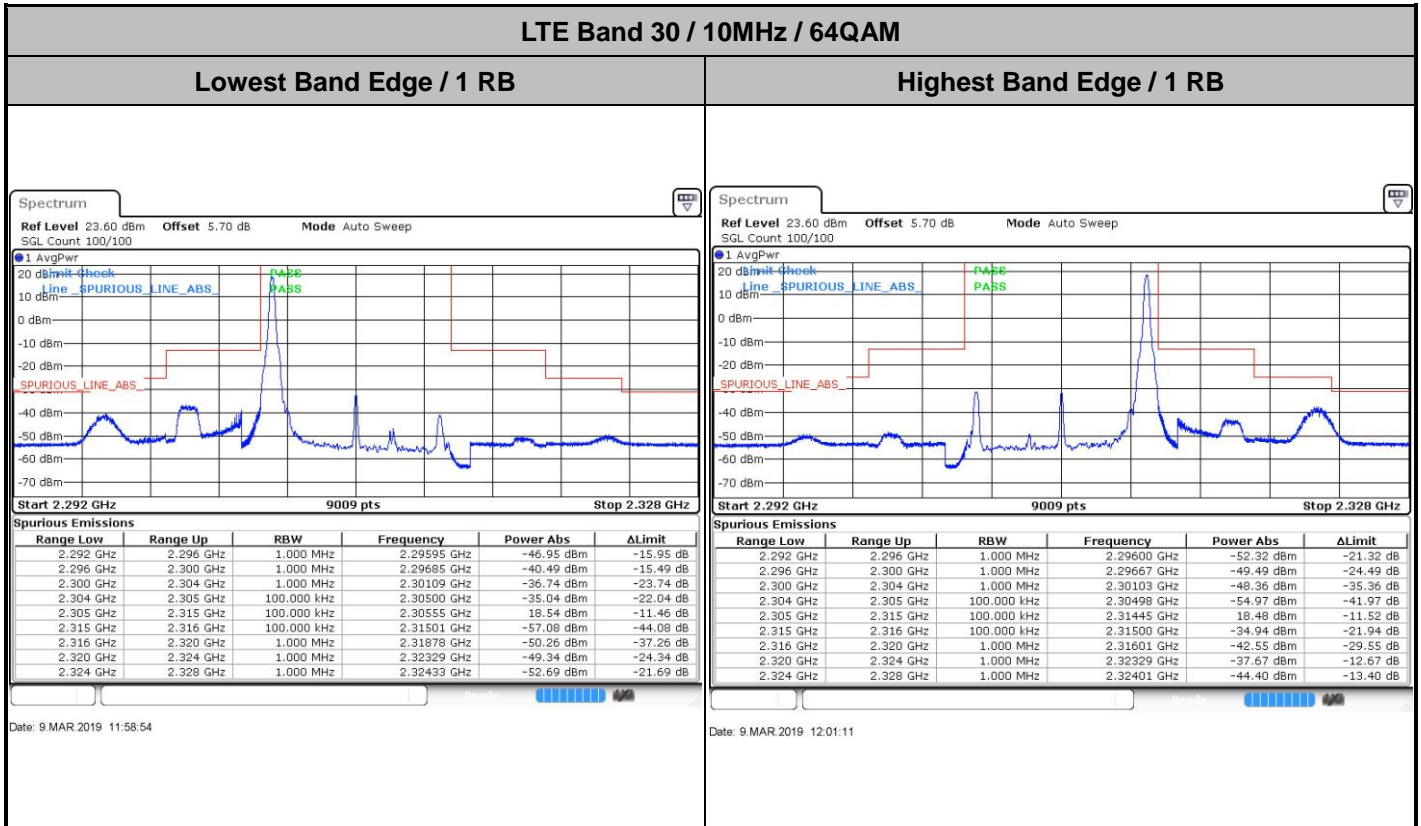
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Date: 9 MAR 2019 11:38:19

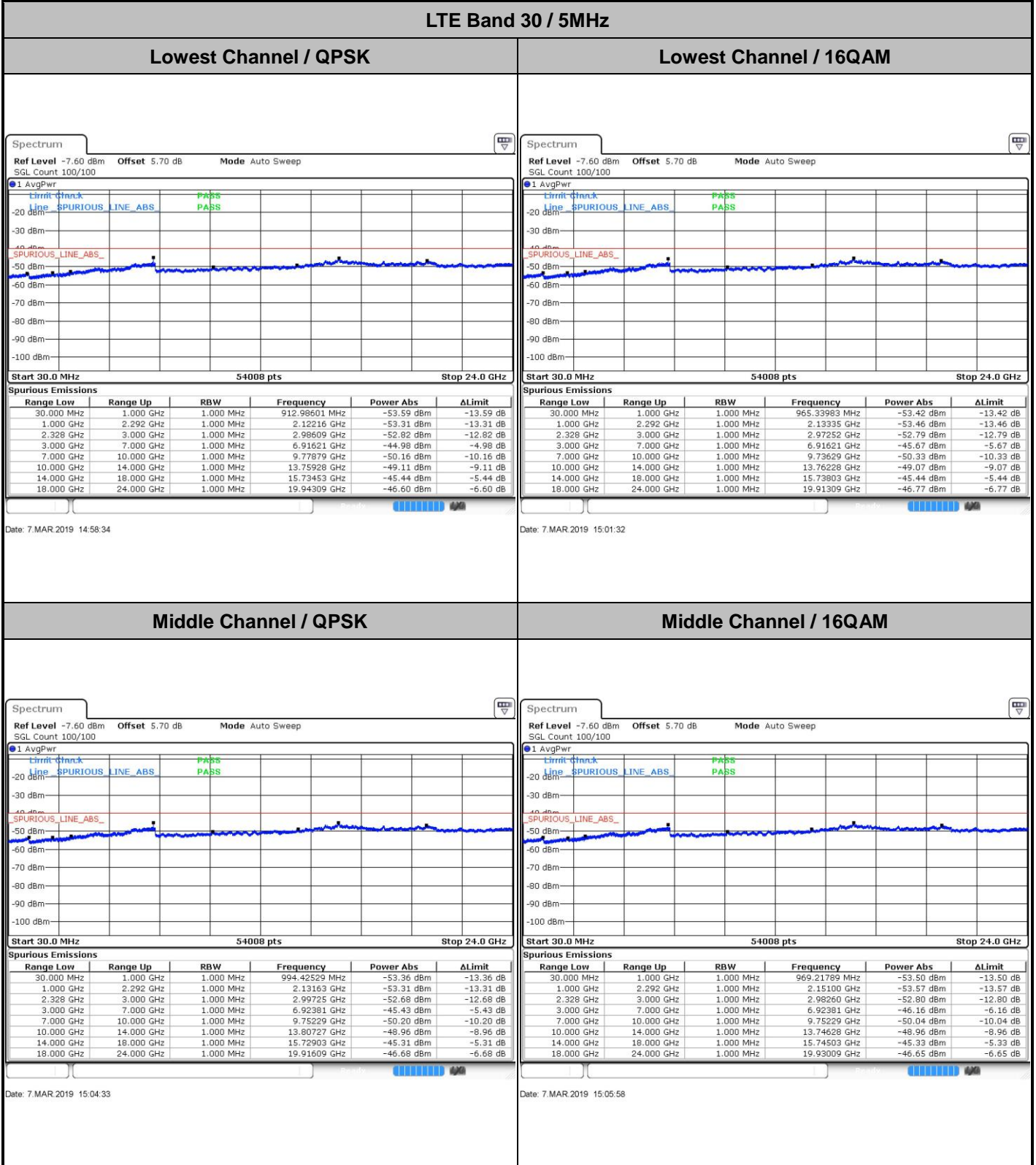








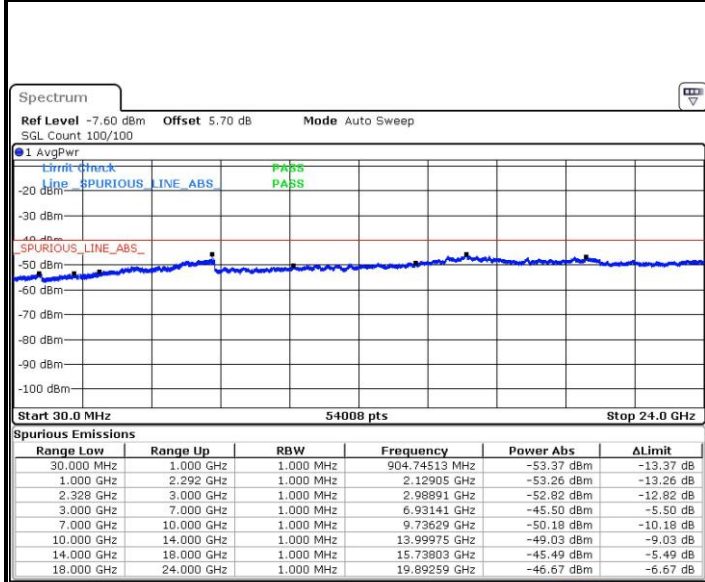
Conducted Spurious Emission





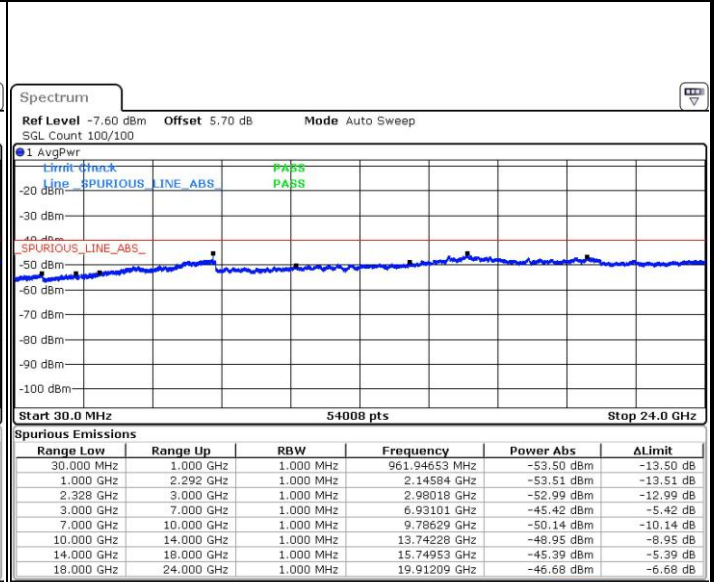
LTE Band 30 / 5MHz

Highest Channel / QPSK



Date: 7.MAR.2019 15:08:19

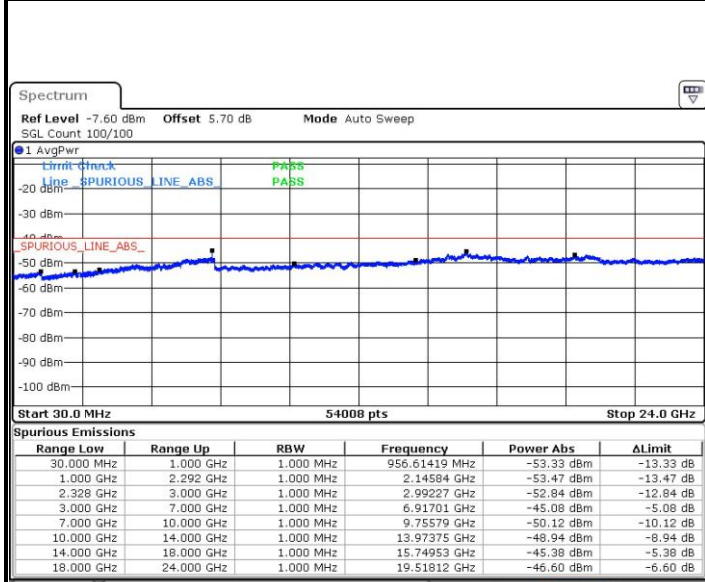
Highest Channel / 16QAM



Date: 7.MAR.2019 15:09:15

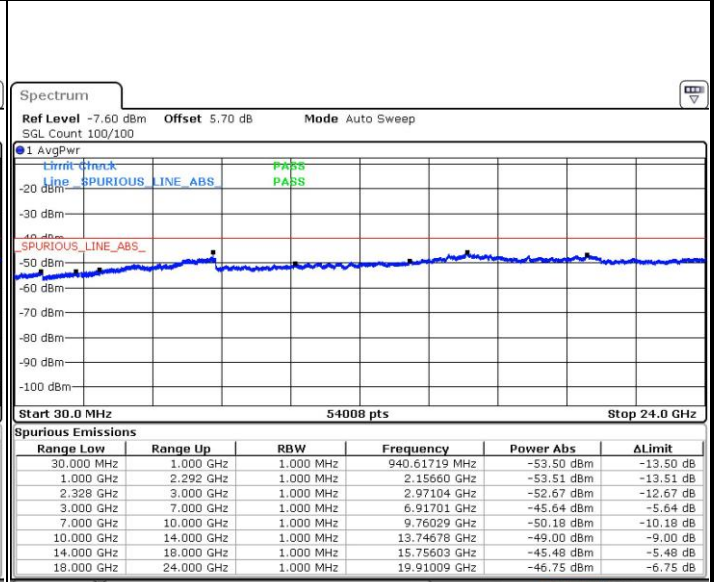
LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 7.MAR.2019 15:11:11

Middle Channel / 16QAM



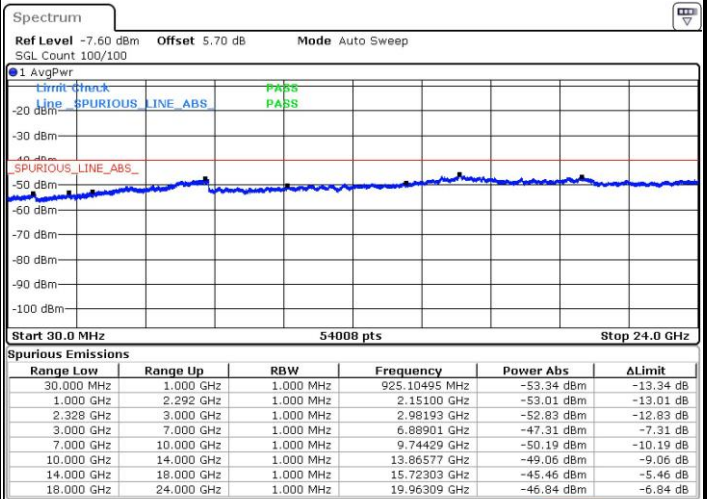
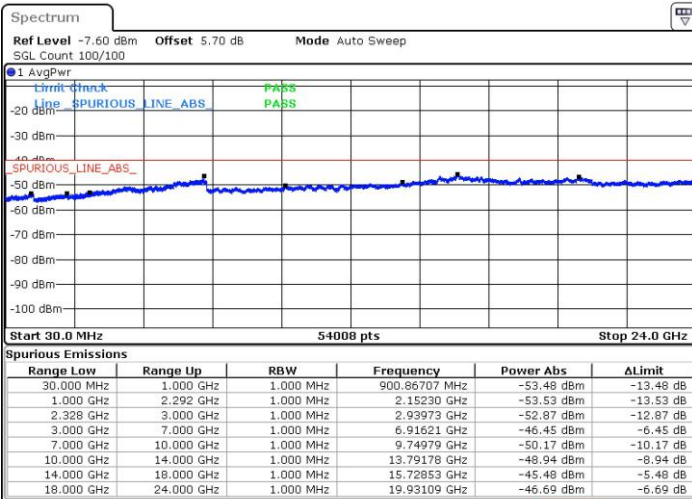
Date: 7.MAR.2019 15:11:58



LTE Band 30 / 5MHz

Lowest Channel / 64QAM

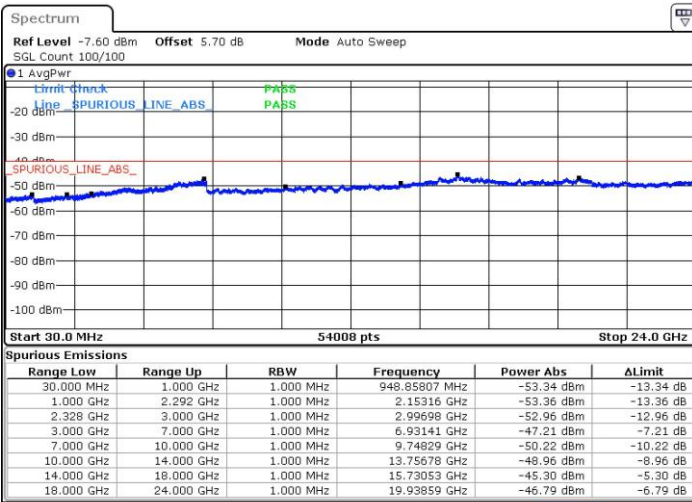
Middle Channel / 64QAM



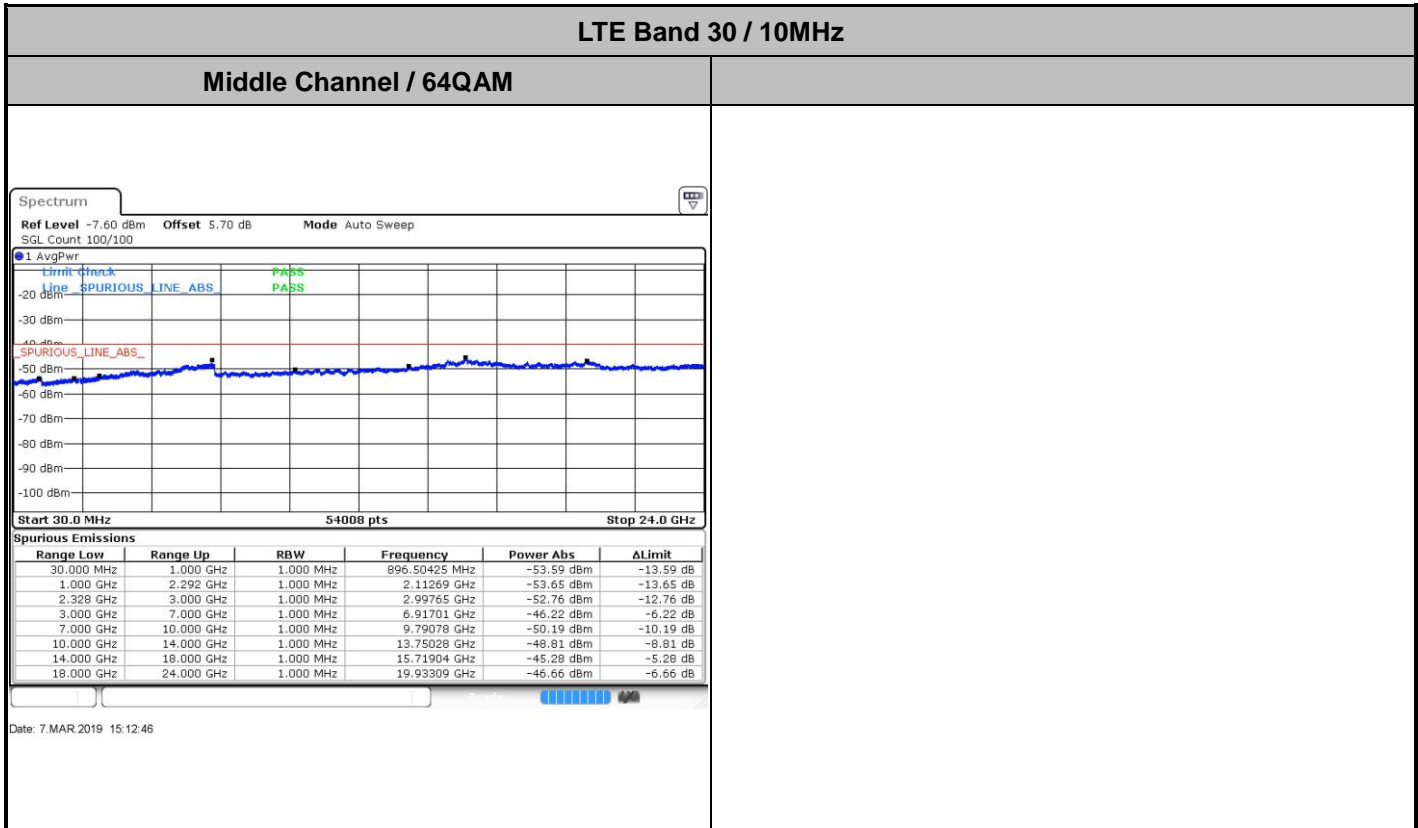
Date: 7.MAR.2019 15:03:44

Date: 7.MAR.2019 15:07:11

Highest Channel / 64QAM



Date: 7.MAR.2019 15:10:06





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	0.0004	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.1V.
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	-50.61	-40	-10.61	-62.07	2.84	14.30	H
	6916	-59.95	-40	-19.95	-69.89	3.49	13.43	H
	9220	-53.48	-40	-13.48	-63.72	3.85	14.09	H
	4612	-54.66	-40	-14.66	-66.12	2.84	14.30	V
	6916	-61.34	-40	-21.34	-71.28	3.49	13.43	V
	9220	-57.52	-40	-17.52	-67.76	3.85	14.09	V
Middle	4616	-50.41	-40	-10.41	-61.87	2.84	14.30	H
	6924	-59.35	-40	-19.35	-69.29	3.49	13.43	H
	9230	-55.21	-40	-15.21	-65.45	3.85	14.09	H
	4616	-52.70	-40	-12.70	-64.16	2.84	14.30	V
	6924	-61.12	-40	-21.12	-71.06	3.49	13.43	V
	9230	-57.08	-40	-17.08	-67.32	3.85	14.09	V
Highest	4620	-50.13	-40	-10.13	-61.59	2.84	14.30	H
	6932	-59.45	-40	-19.45	-69.39	3.49	13.43	H
	9240	-53.18	-40	-13.18	-63.42	3.85	14.09	H
	4620	-54.21	-40	-14.21	-65.67	2.84	14.30	V
	6932	-60.15	-40	-20.15	-70.09	3.49	13.43	V
	9241	-56.79	-40	-16.79	-67.03	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	-51.03	-40	-11.03	-62.49	2.84	14.30	H
	6916	-61.32	-40	-21.32	-71.26	3.49	13.43	H
	9220	-57.07	-40	-17.07	-67.31	3.85	14.09	H
	4612	-52.42	-40	-12.42	-63.88	2.84	14.30	V
	6916	-59.75	-40	-19.75	-69.69	3.49	13.43	V
	9220	-57.70	-40	-17.70	-67.94	3.85	14.09	V

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