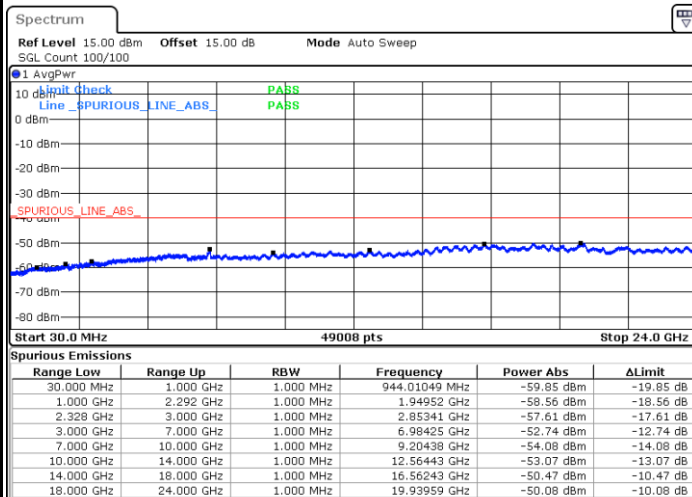




Conducted Spurious Emission

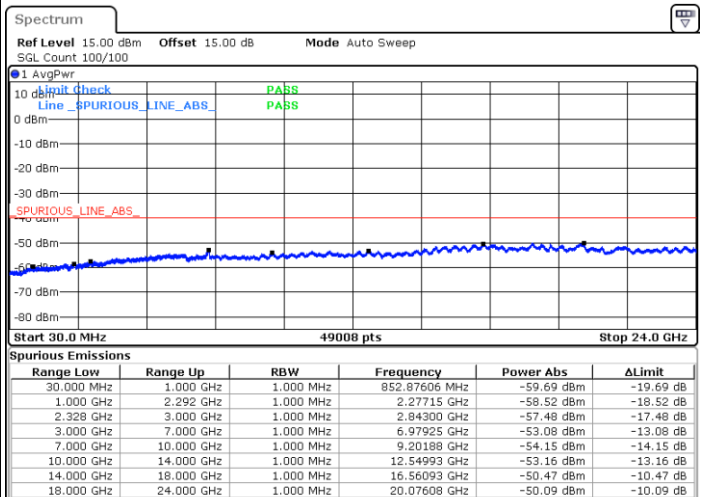
LTE Band 30 / 5MHz

Lowest Channel / QPSK



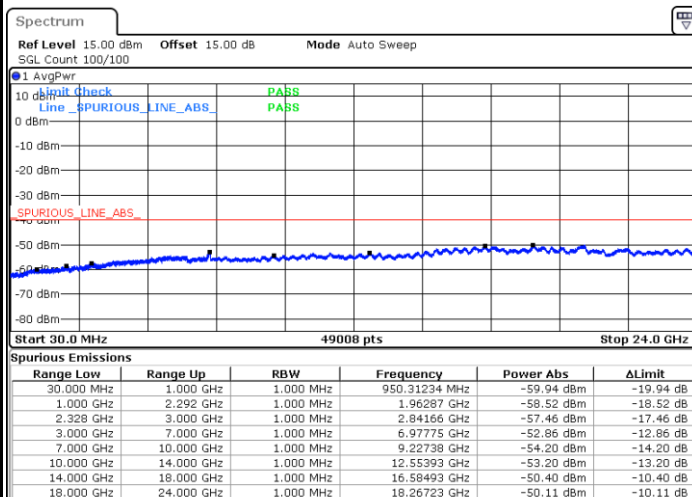
Date: 26.JUL.2018 23:29:52

Lowest Channel / 16QAM



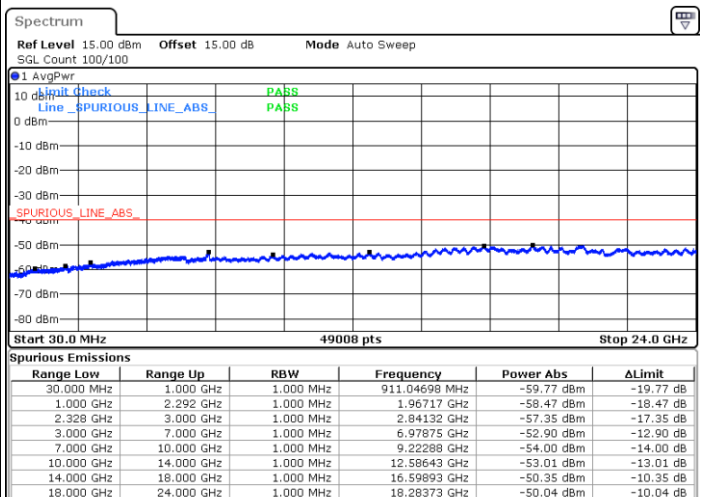
Date: 26.JUL.2018 23:30:46

Middle Channel / QPSK



Date: 26.JUL.2018 23:31:39

Middle Channel / 16QAM

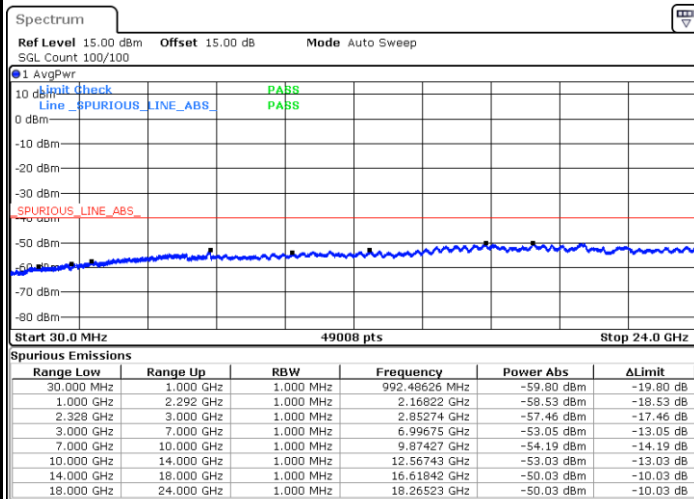


Date: 26.JUL.2018 23:32:33



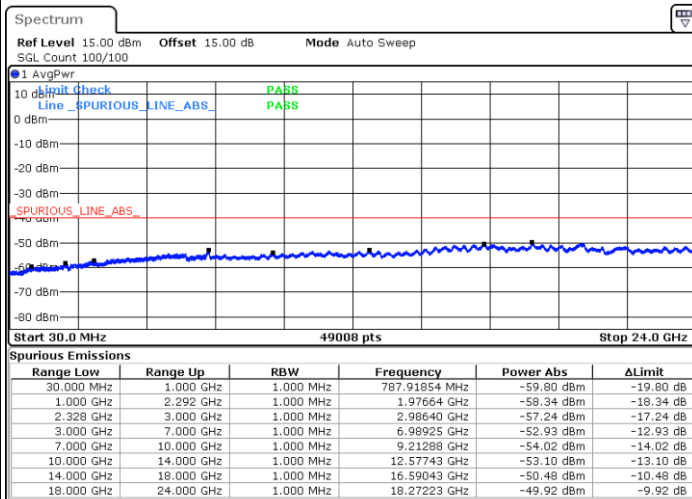
LTE Band 30 / 5MHz

Highest Channel / QPSK



Date: 26.JUL.2018 23:33:27

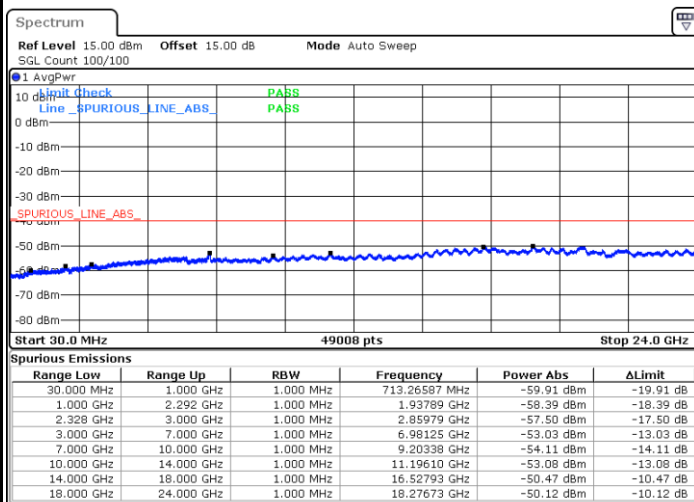
Highest Channel / 16QAM



Date: 26.JUL.2018 23:34:21

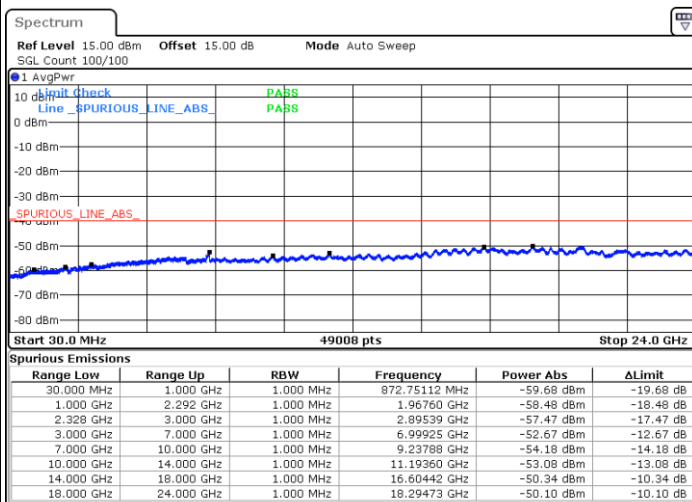
LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 26.JUL.2018 23:36:39

Middle Channel / 16QAM

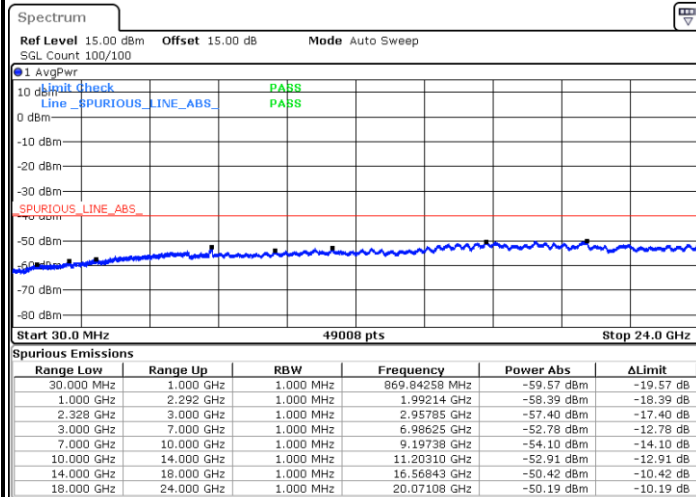


Date: 26.JUL.2018 23:37:33



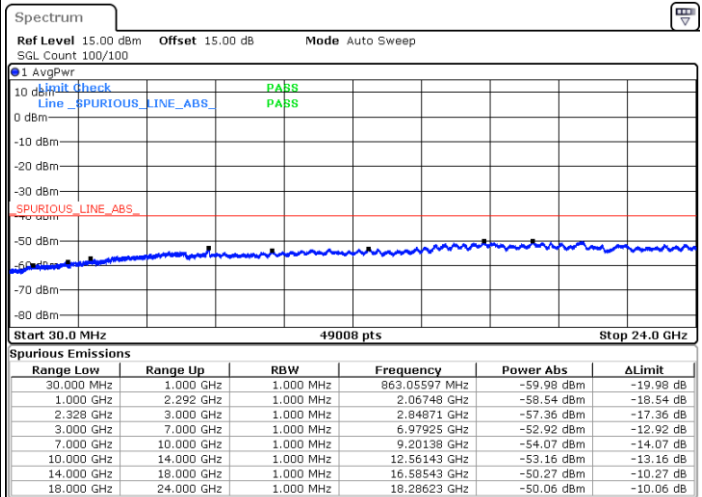
LTE Band 30/ 5MHz

Lowest Channel / 64QAM



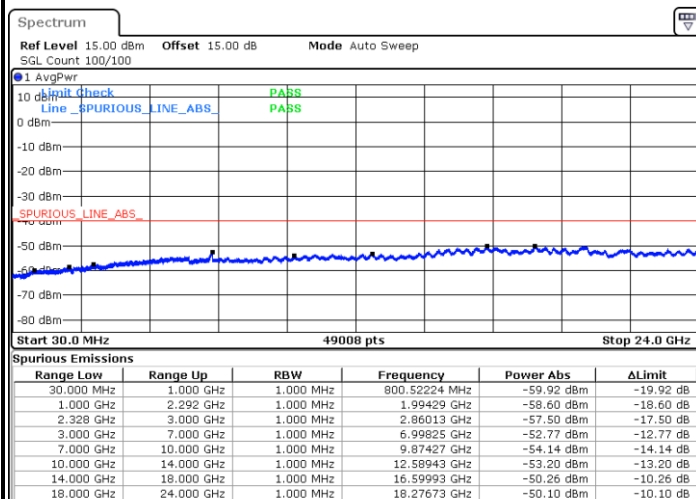
Date: 26.JUL.2018 23:39:27

Middle Channel / 64QAM



Date: 26.JUL.2018 23:40:22

Highest Channel / 64QAM

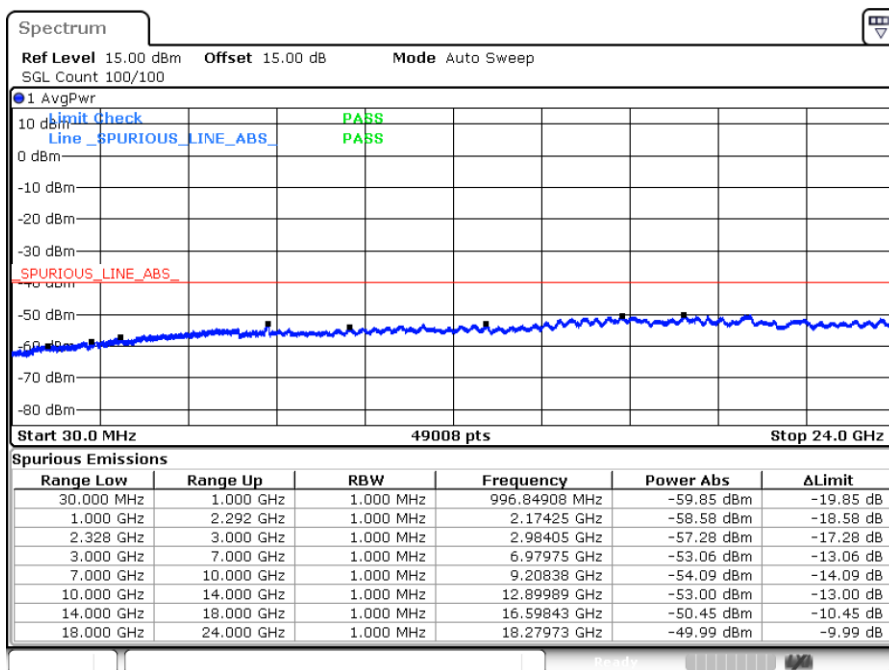


Date: 26.JUL.2018 23:41:16



LTE Band 30/ 10MHz

Middle Channel / 64QAM



Date: 26.JUL.2018 23:42:09

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	0.0005	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4610.50	-63.90	-40	-23.90	-57.54	-70.13	6.45	12.68	H
	6915.75	-49.65	-40	-9.65	-47.81	-53.03	8.40	11.78	H
	9221.18	-55.45	-40	-15.45	-61.31	-57.78	9.65	11.98	H
	4610.50	-65.23	-40	-25.23	-57.8	-71.46	6.45	12.68	V
	6915.75	-55.55	-40	-15.55	-53.23	-58.93	8.40	11.78	V
	9221.18	-54.80	-40	-14.80	-61.23	-57.13	9.65	11.98	V
Middle	4615.50	-64.19	-40	-24.19	-57.95	-70.44	6.45	12.70	H
	6923.25	-50.28	-40	-10.28	-48.44	-53.68	8.40	11.80	H
	9231.18	-55.19	-40	-15.19	-61.05	-57.54	9.65	12.00	H
	4615.50	-65.18	-40	-25.18	-57.86	-71.43	6.45	12.70	V
	6923.25	-52.62	-40	-12.62	-50.3	-56.02	8.40	11.80	V
	9231.18	-54.99	-40	-14.99	-61.42	-57.34	9.65	12.00	V
Highest	4620.50	-63.92	-40	-23.92	-57.68	-74.49	6.45	17.02	H
	6930.75	-50.06	-40	-10.06	-48.18	-53.48	8.40	11.82	H
	9241.18	-55.39	-40	-15.39	-61.18	-57.76	9.65	12.02	H
	4620.50	-65.14	-40	-25.14	-57.82	-75.71	6.45	17.02	V
	6930.75	-53.49	-40	-13.49	-51.23	-56.91	8.40	11.82	V
	9241.18	-54.67	-40	-14.67	-61.11	-57.04	9.65	12.02	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4611.50	-64.32	-40	-24.32	-57.96	-70.57	6.45	12.70	H
	6916.50	-49.34	-40	-9.34	-47.50	-52.74	8.40	11.80	H
	9222.18	-55.42	-40	-15.42	-61.28	-57.77	9.65	12.00	H
	4611.50	-65.01	-40	-25.01	-57.58	-71.26	6.45	12.70	V
	6916.50	-54.89	-40	-14.89	-52.57	-58.29	8.40	11.80	V
	9222.18	-54.95	-40	-14.95	-61.38	-57.30	9.65	12.00	V

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