

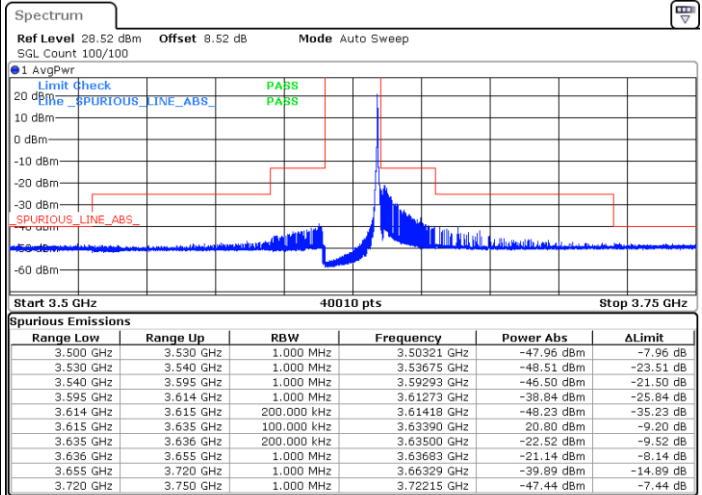
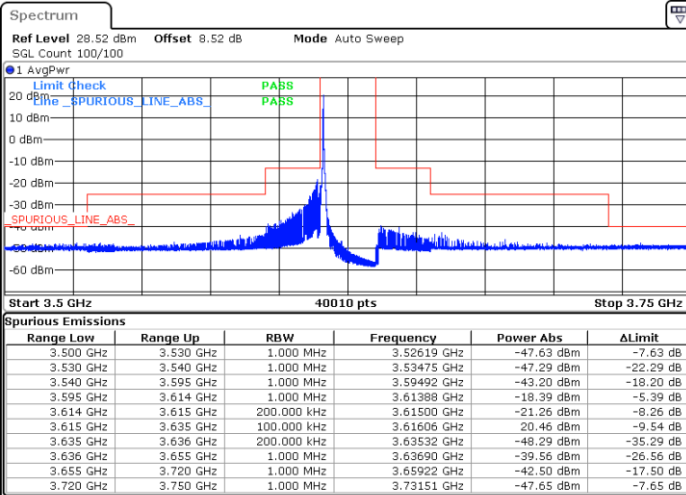


LTE Band 48 / 20MHz

QPSK

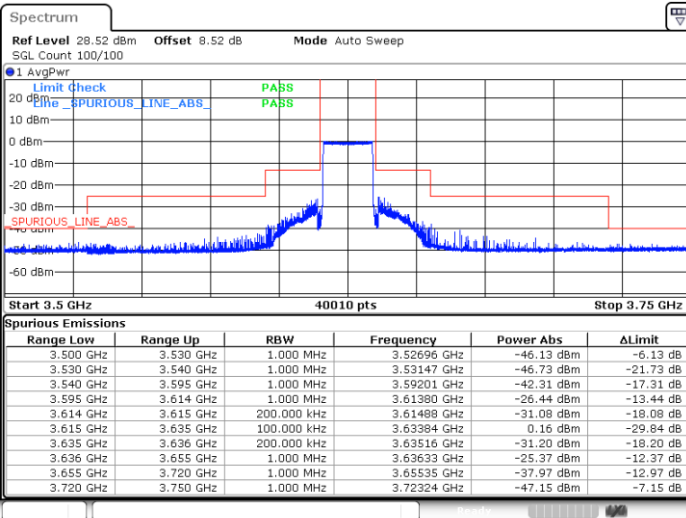
Middle Channel / 1RB0

Middle Channel / 1RBmax



Middle Channel / Full

N/A



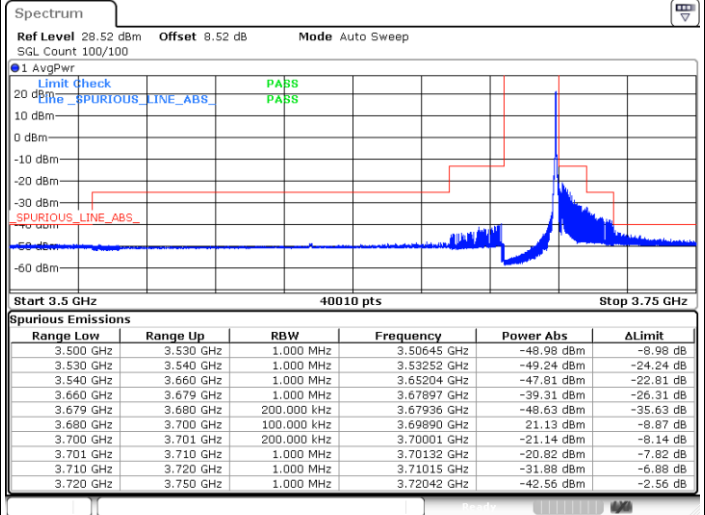
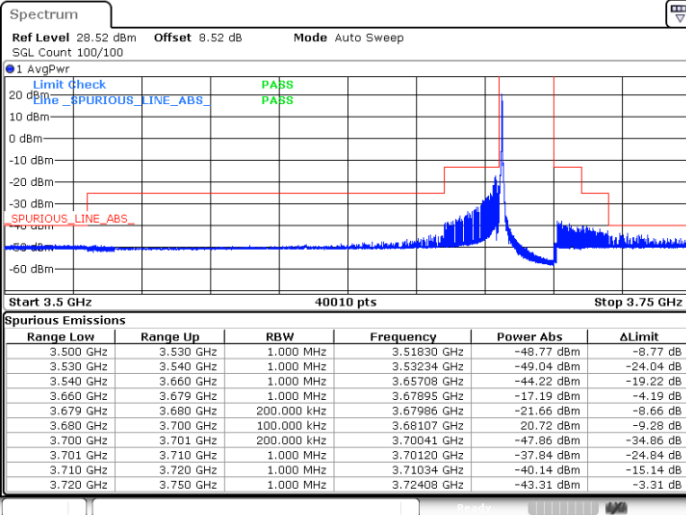


LTE Band 48 / 20MHz

QPSK

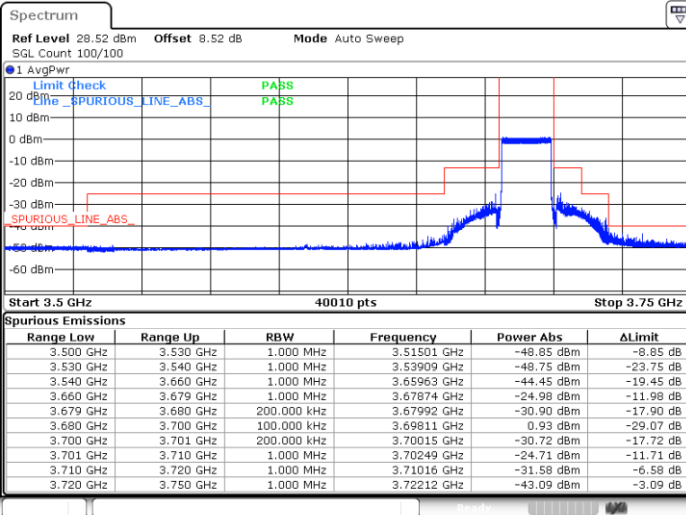
Highest Channel / 1RB0

Highest Channel / 1RBmax



Highest Channel / Full RB

N/A



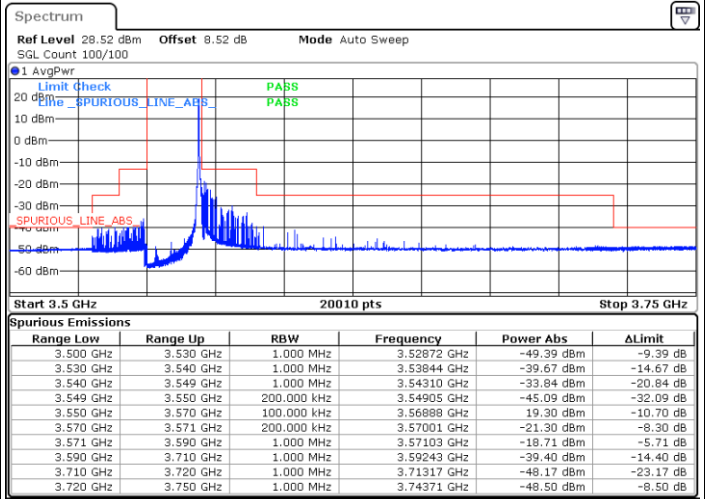
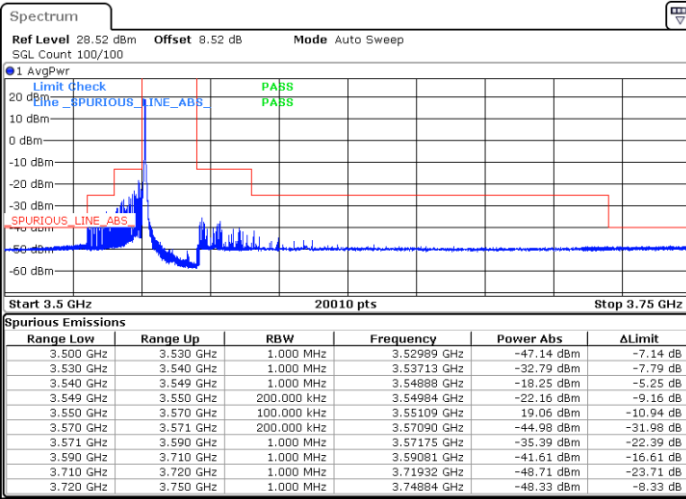


LTE Band 48 / 20MHz

16QAM

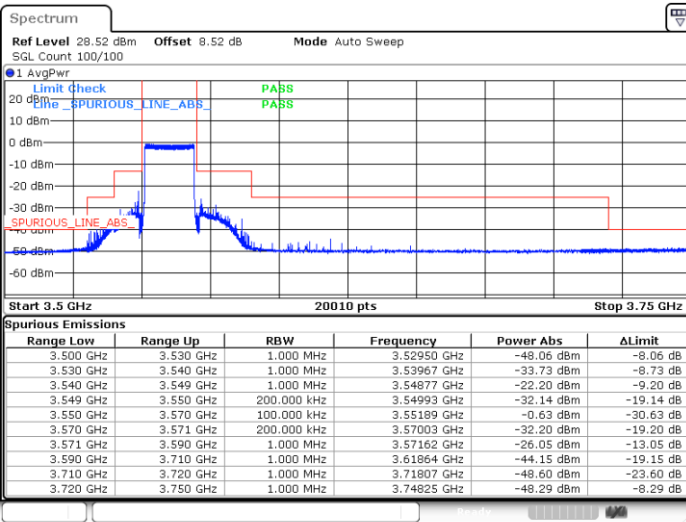
Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Lowest Channel / Full RB

N/A



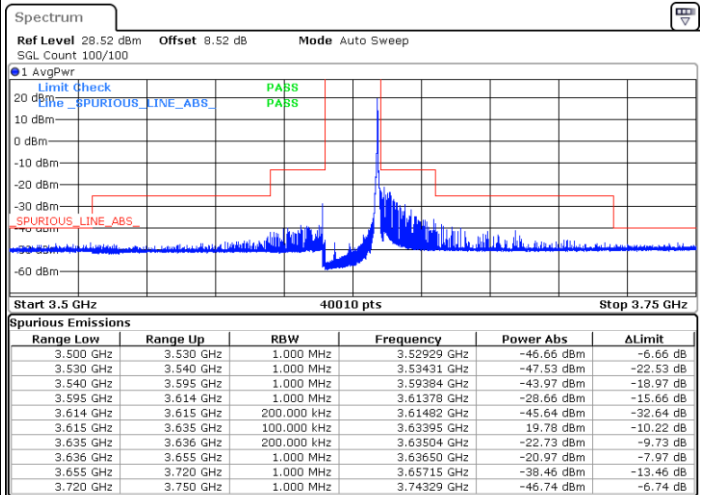
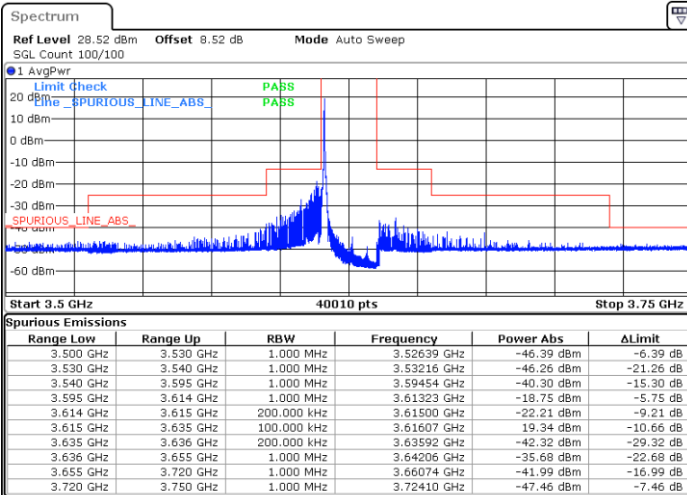


LTE Band 48 / 20MHz

16QAM

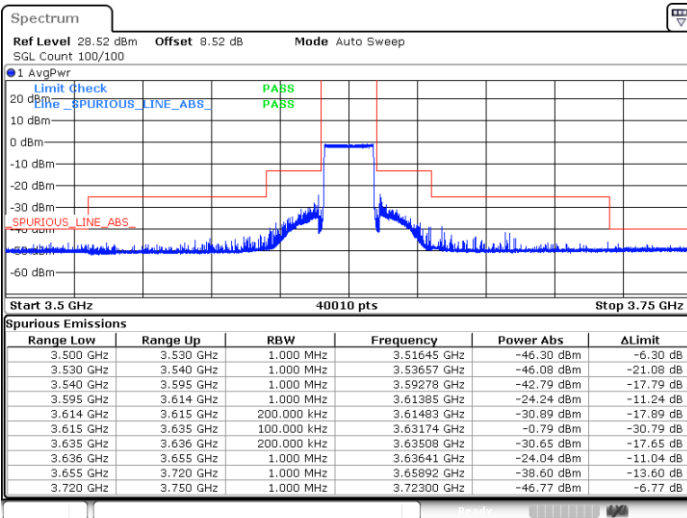
Middle Channel / 1RB0

Middle Channel / 1RBmax



Middle Channel / Full

N/A



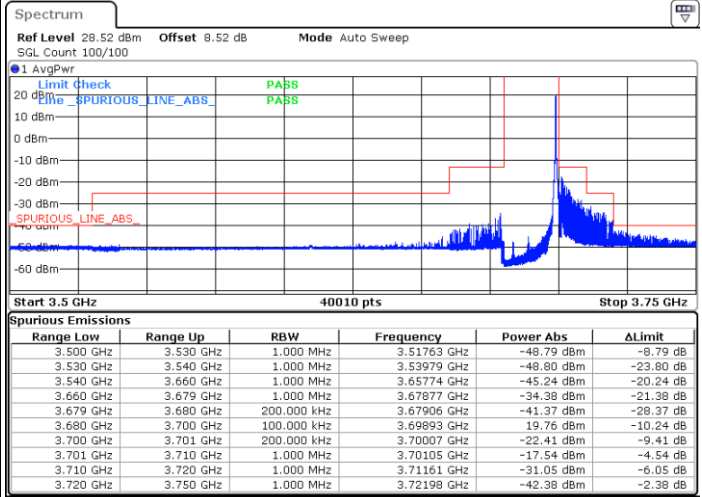
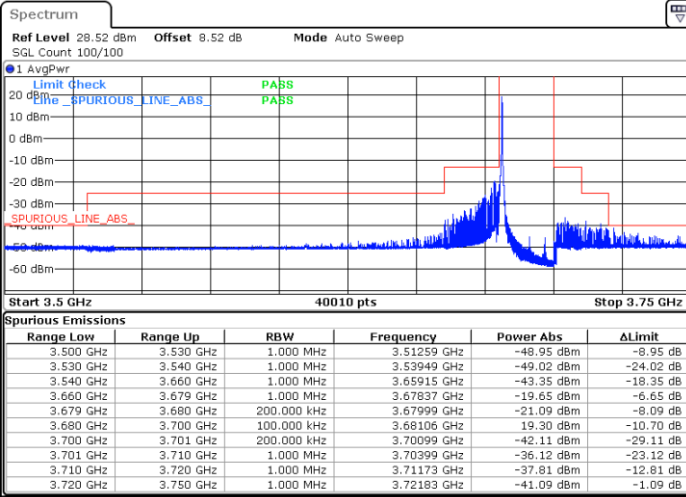


LTE Band 48 / 20MHz

16QAM

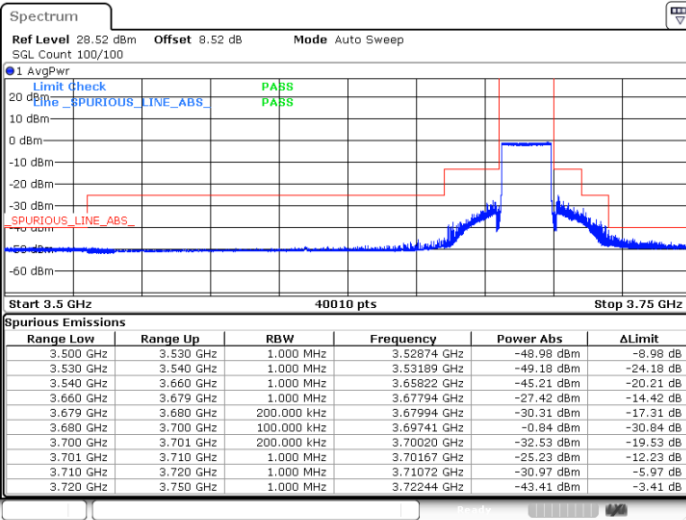
Highest Channel / 1RB0

Highest Channel / 1RBmax



Highest Channel / Full RB

N/A



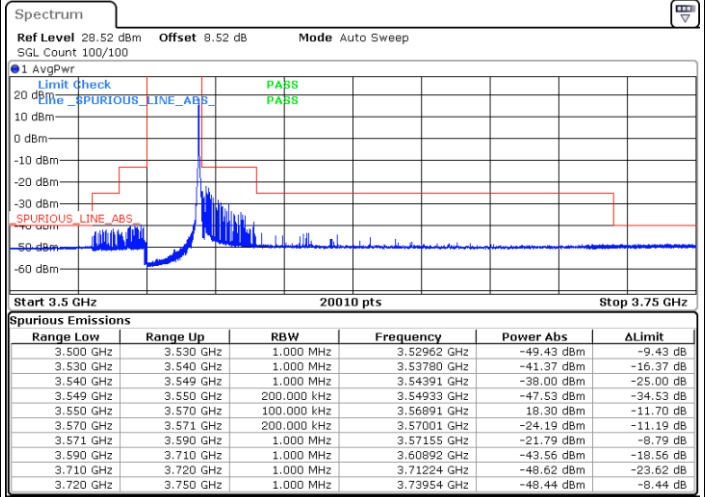
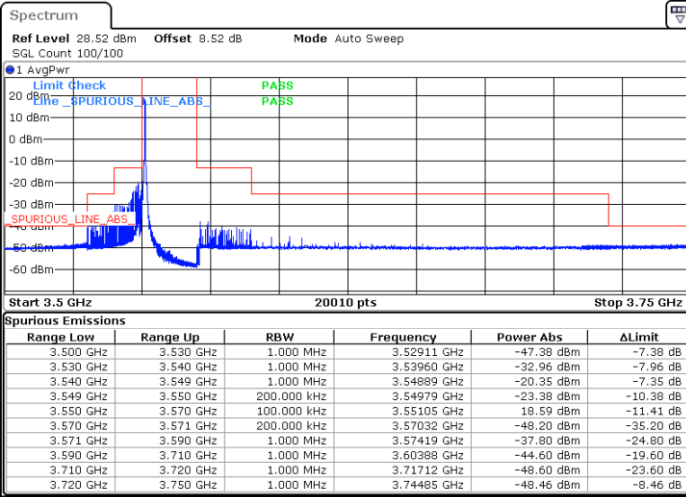


LTE Band 48 / 20MHz

64QAM

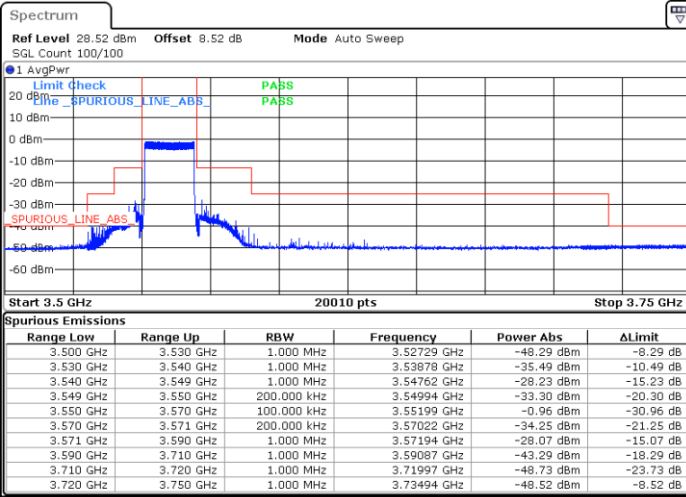
Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Lowest Channel / Full RB

N/A



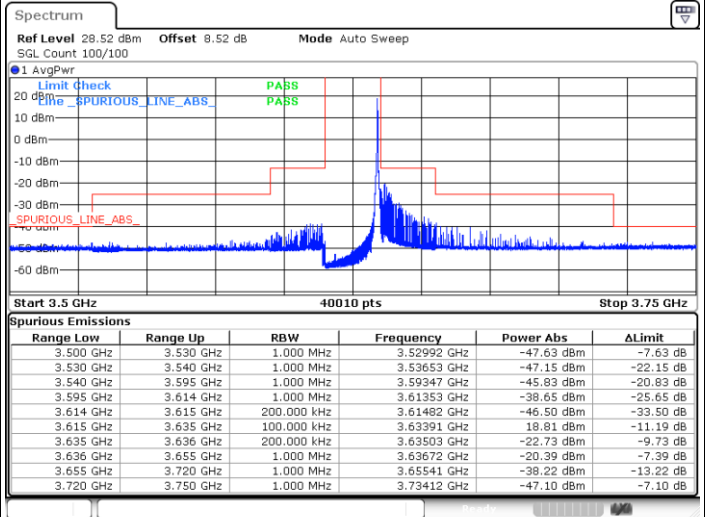
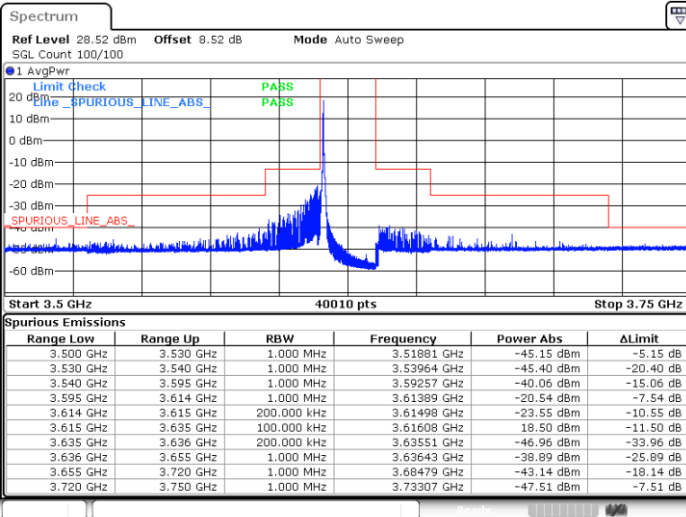


LTE Band 48 / 20MHz

64QAM

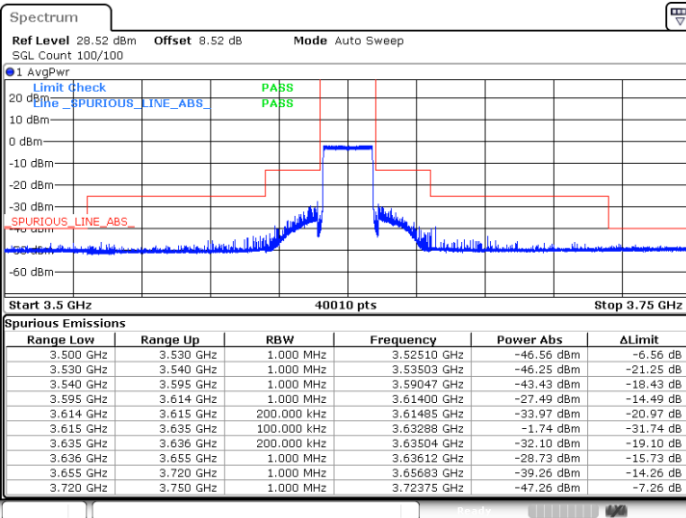
Middle Channel / 1RB0

Middle Channel / 1RBmax



Middle Channel / Full

N/A



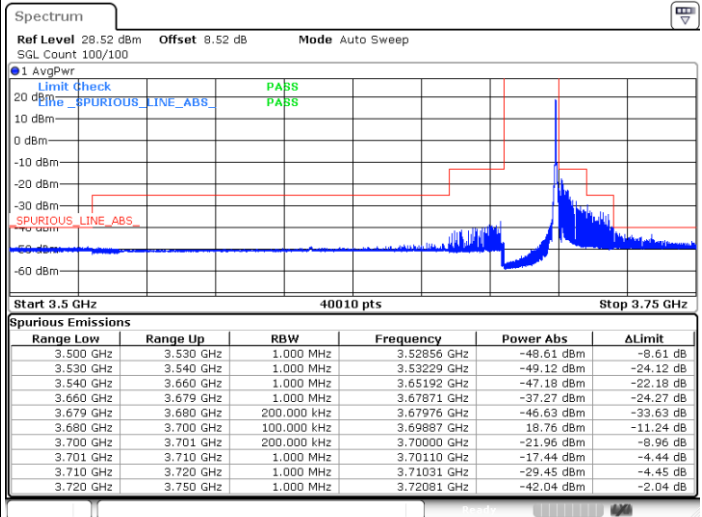
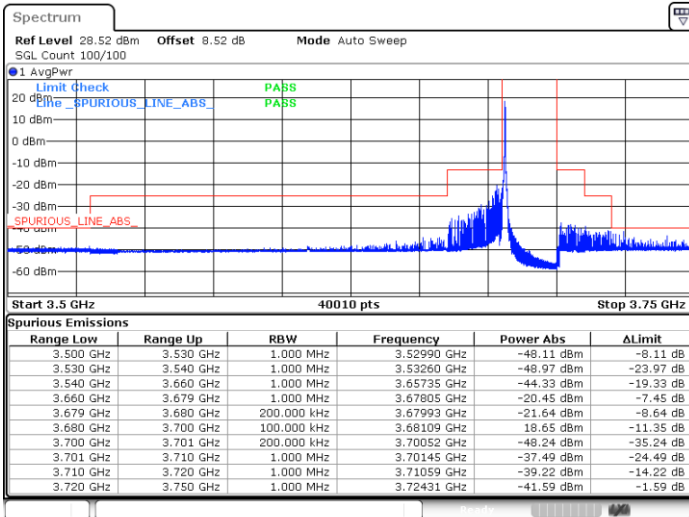


LTE Band 48 / 20MHz

64QAM

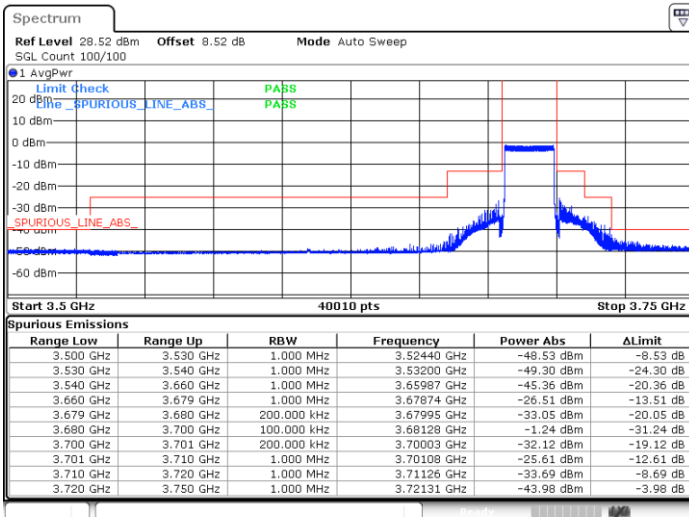
Highest Channel / 1RB0

Highest Channel / 1RBmax



Highest Channel / Full RB

N/A



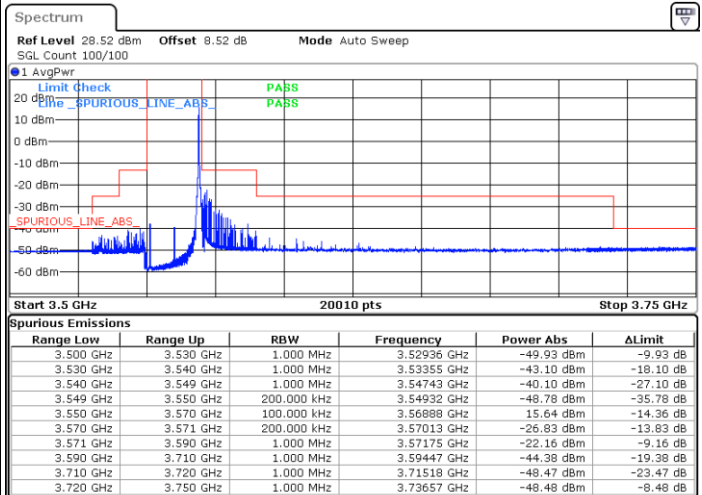
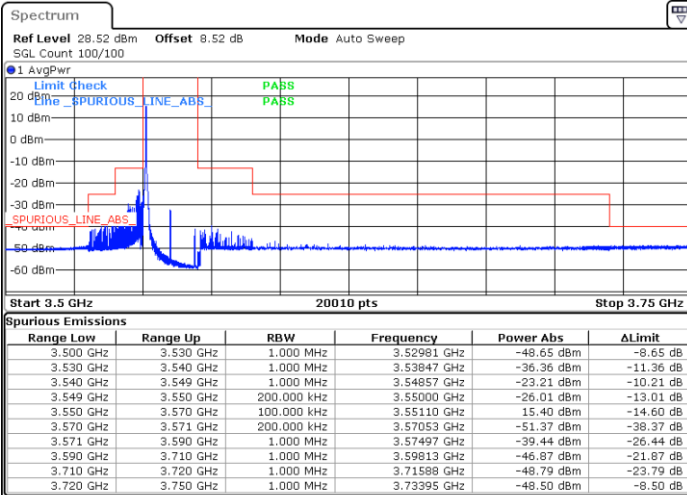


LTE Band 48 / 20MHz

256QAM

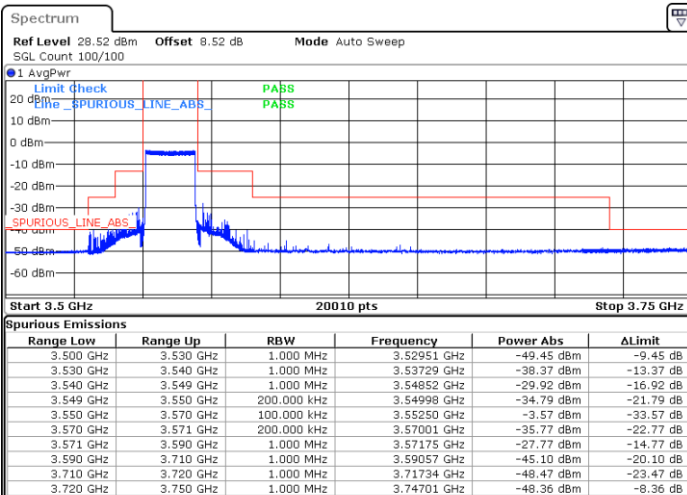
Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Lowest Channel / Full RB

N/A



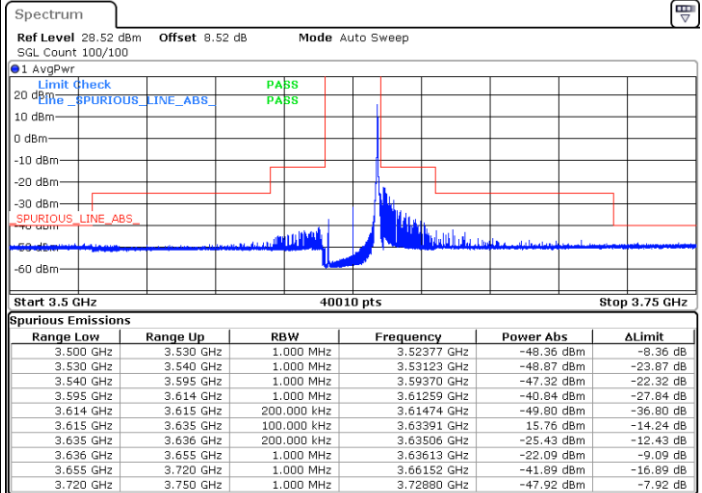
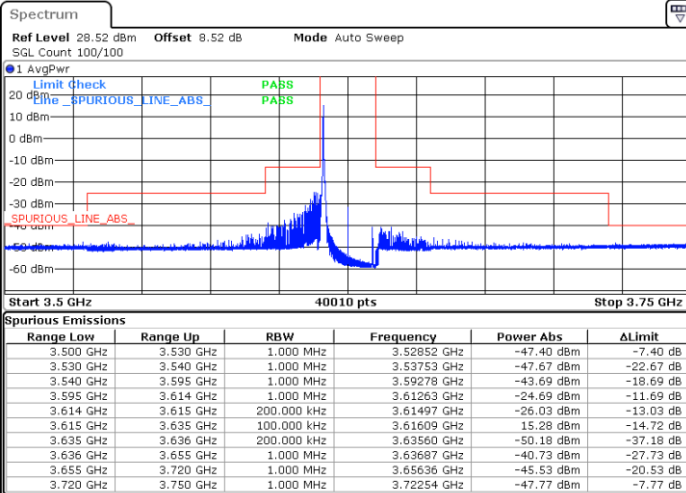


LTE Band 48 / 20MHz

256QAM

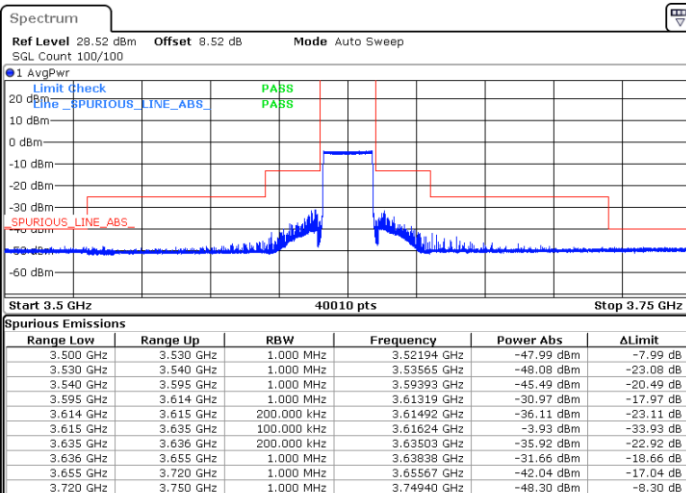
Middle Channel / 1RB0

Middle Channel / 1RBmax



Middle Channel / Full

N/A



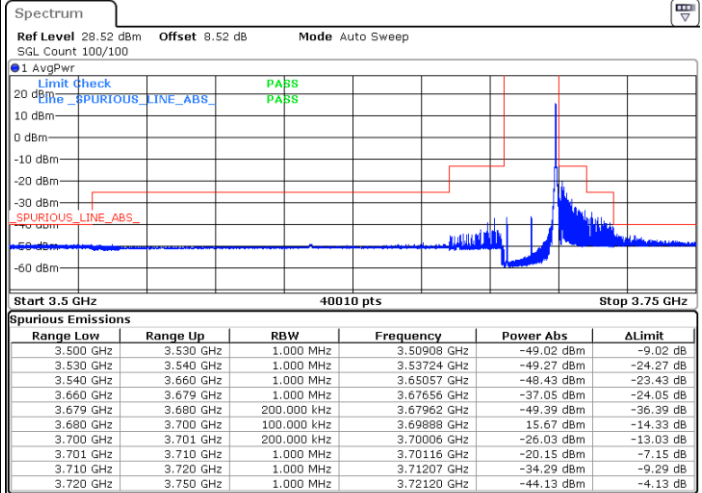
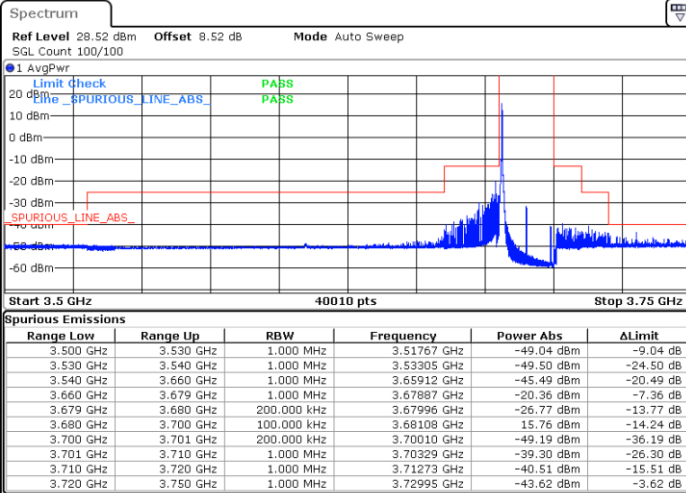


LTE Band 48 / 20MHz

256QAM

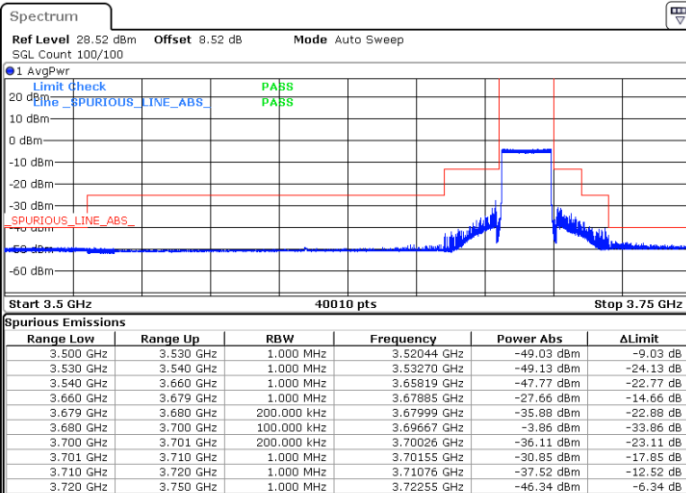
Highest Channel / 1RB0

Highest Channel / 1RBmax



Highest Channel / Full RB

N/A





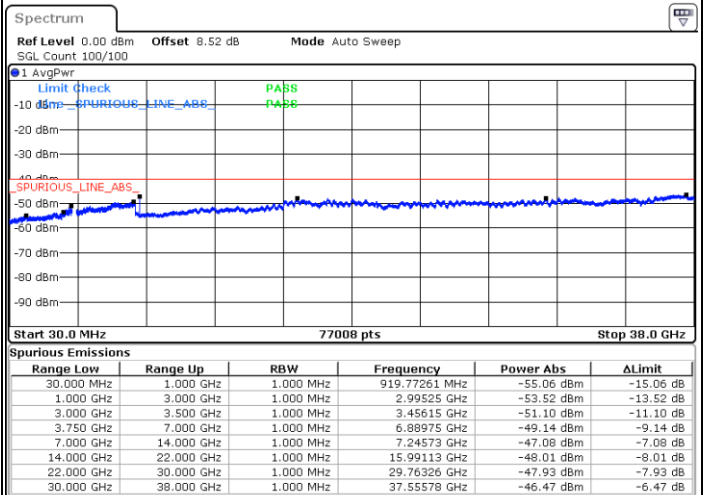
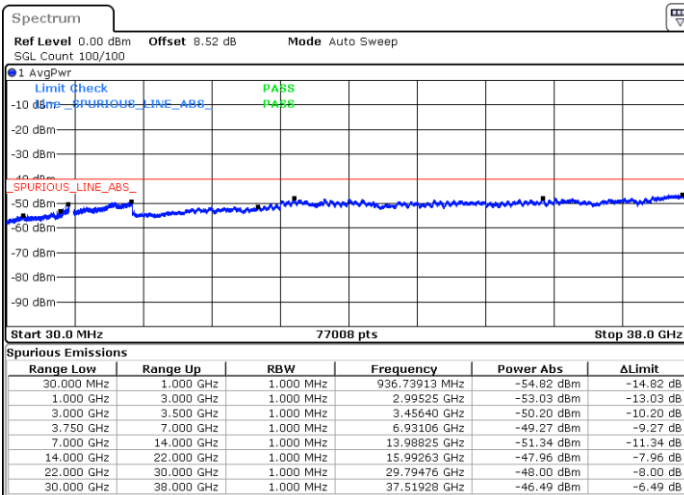
Conducted Spurious Emission

LTE Band 48 / 5MHz

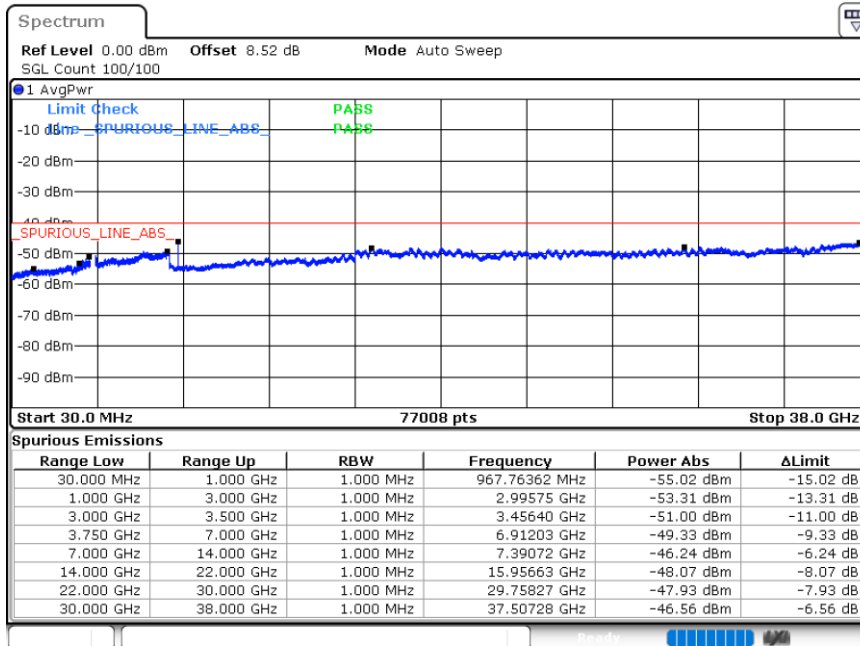
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



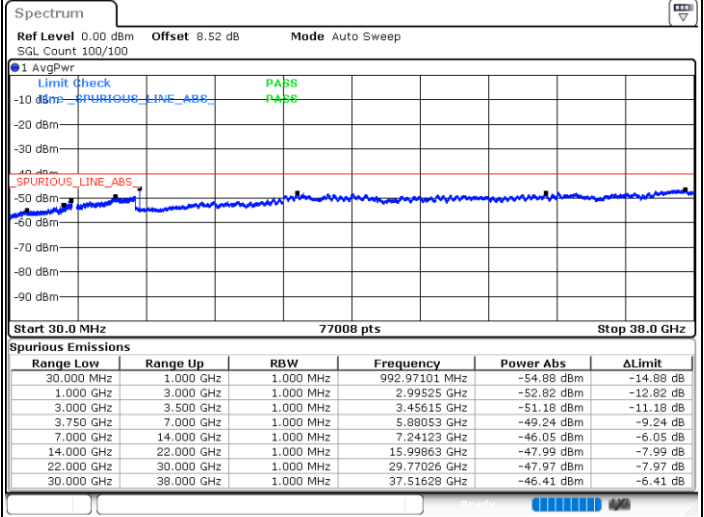
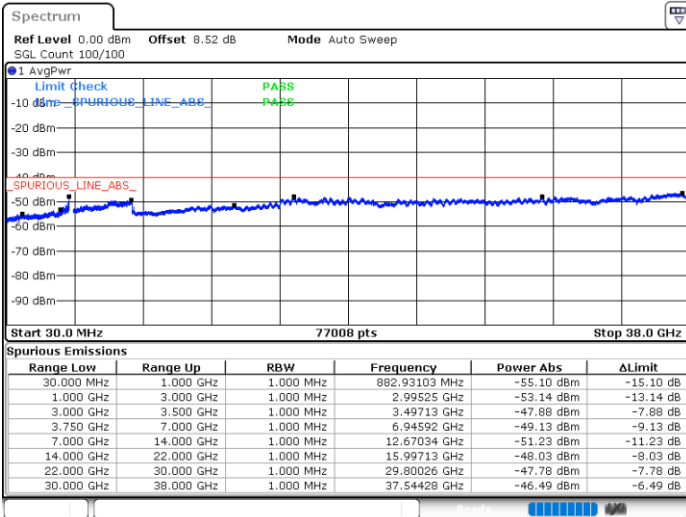


LTE Band 48 / 10MHz

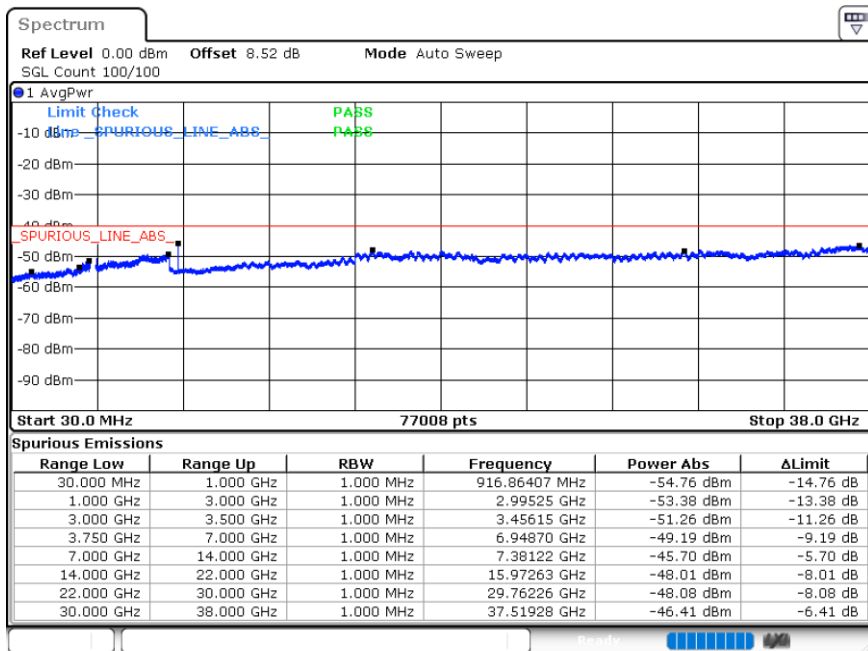
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



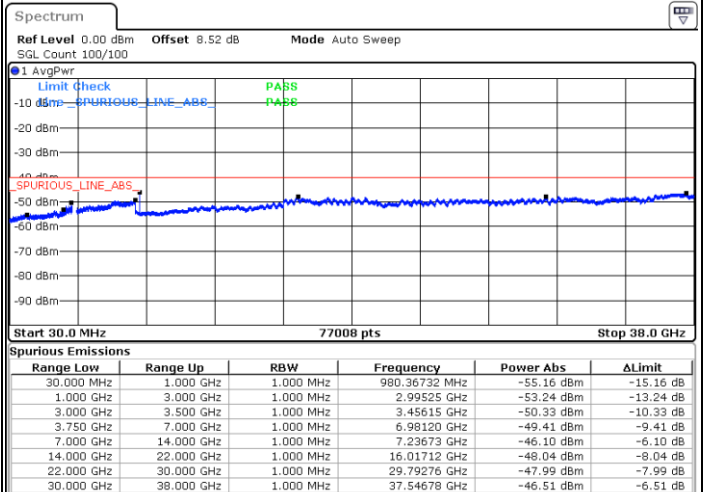
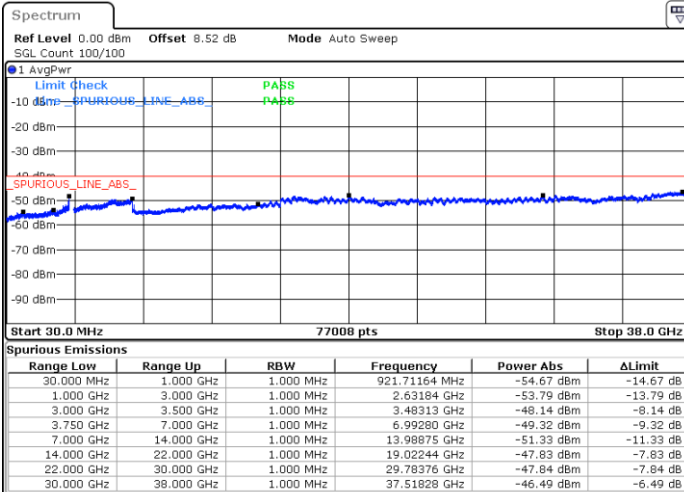


LTE Band 48 / 15MHz

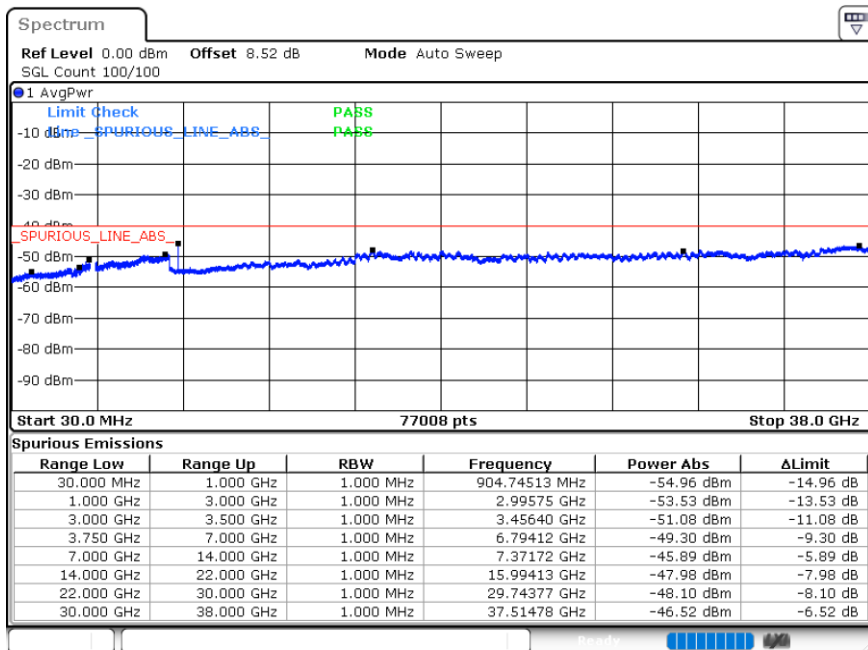
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



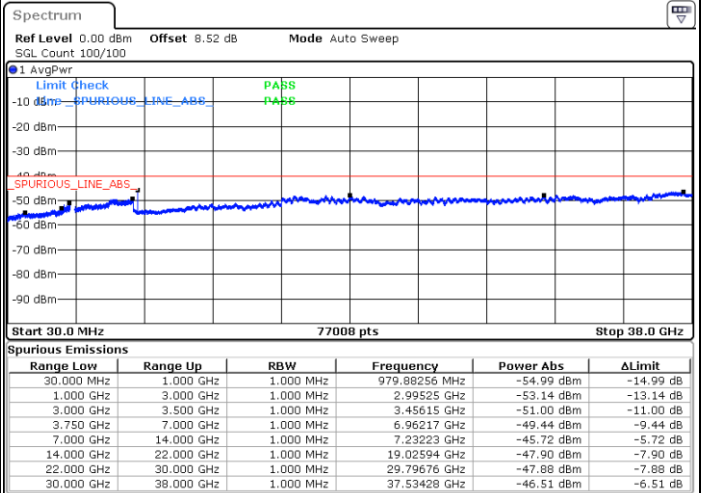
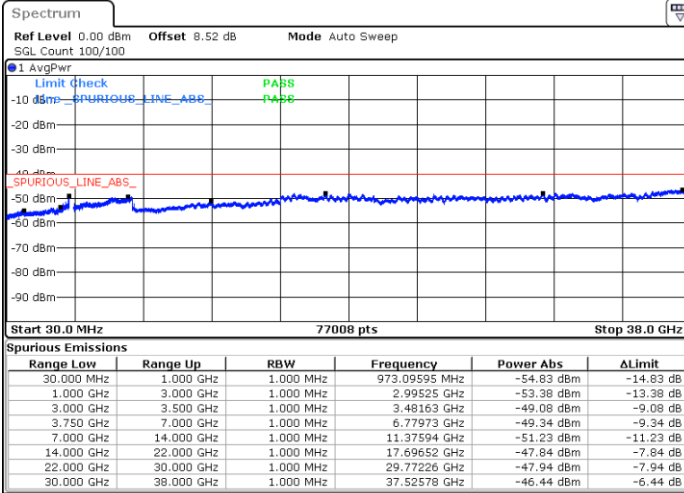


LTE Band 48 / 20MHz

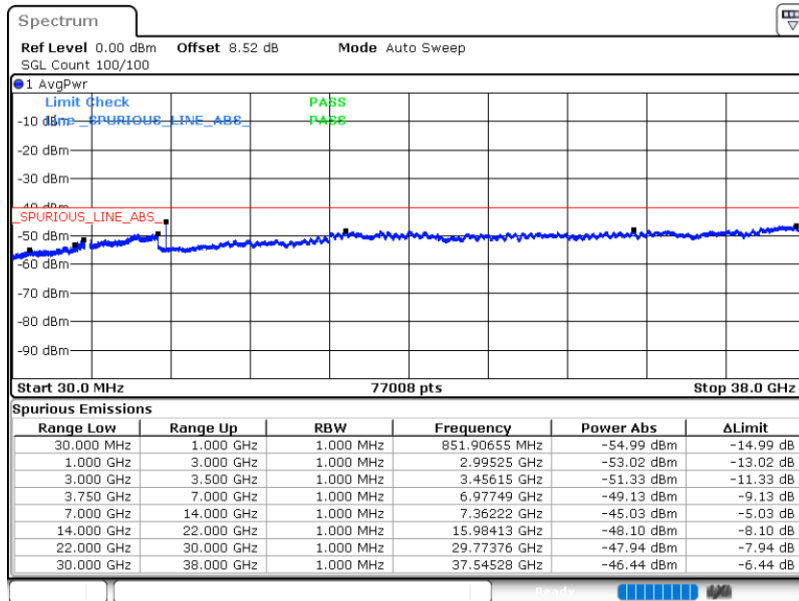
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0039	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

For Sample 1:

LTE Band 48 / 20MHz / QPSK								
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	7236	-55.60	-40	-15.60	-67.06	2.84	14.30	H
	10848	-51.13	-40	-11.13	-61.07	3.49	13.43	H
	14460	-59.65	-40	-19.65	-69.89	3.85	14.09	H
	7236	-46.19	-40	-6.19	-57.65	2.84	14.30	V
	10848	-48.35	-40	-8.35	-58.29	3.49	13.43	V
	14460	-59.51	-40	-19.51	-69.75	3.85	14.09	V

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

For Sample 2:

LTE Band 48 / 20MHz / QPSK								
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	7236	-55.49	-40	-15.49	-66.95	2.84	14.30	H
	10848	-60.25	-40	-20.25	-70.19	3.49	13.43	H
	14460	-59.65	-40	-19.65	-69.89	3.85	14.09	H
	7236	-57.04	-40	-17.04	-68.50	2.84	14.30	V
	10848	-52.16	-40	-12.16	-62.10	3.49	13.43	V
	14460	-60.07	-40	-20.07	-70.31	3.85	14.09	V

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