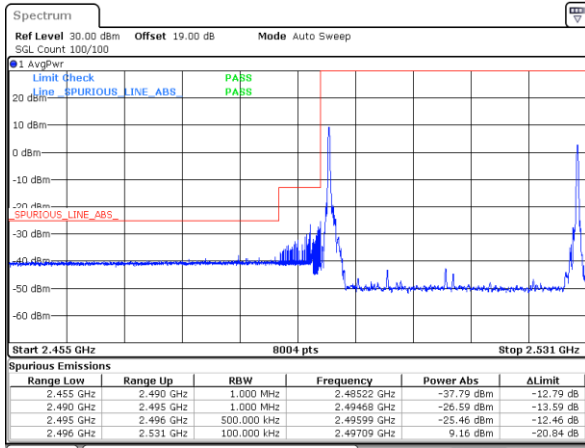




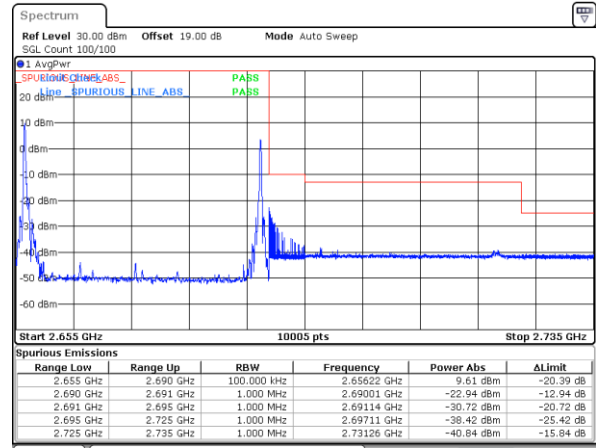
LTE Band 41C / 20MHz+15MHz

16QAM

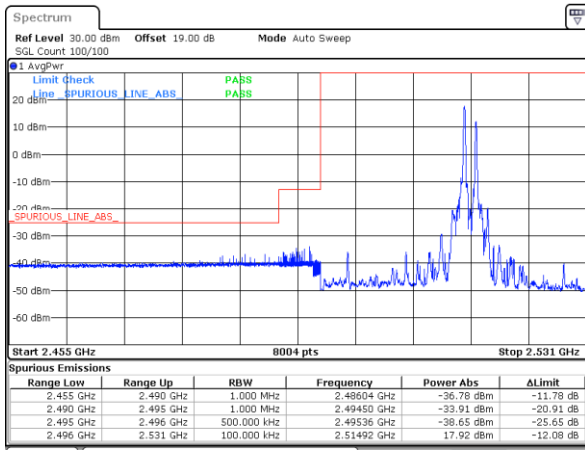
Lowest Band Edge / 1RB0 and 1RB74



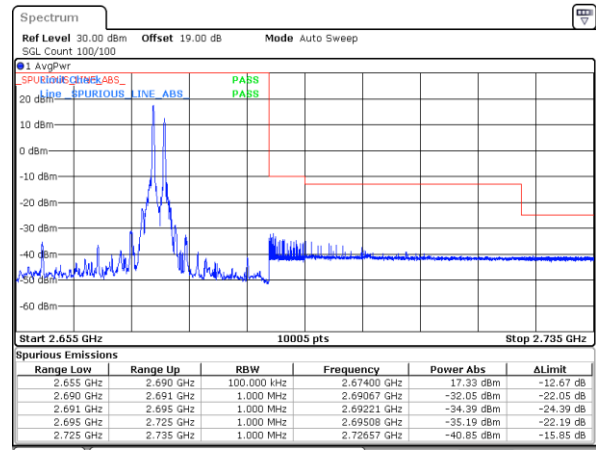
Highest Band Edge / 1RB0 and 1RB74



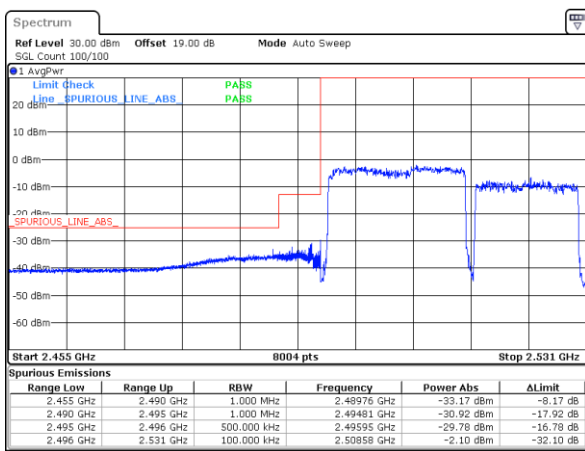
Lowest Band Edge / 1RB99 and 1RB0



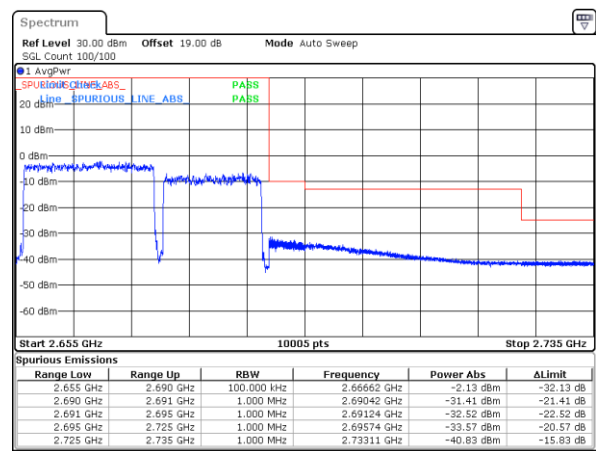
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

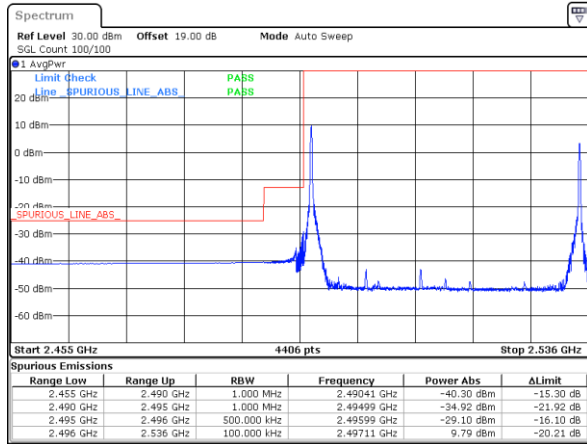




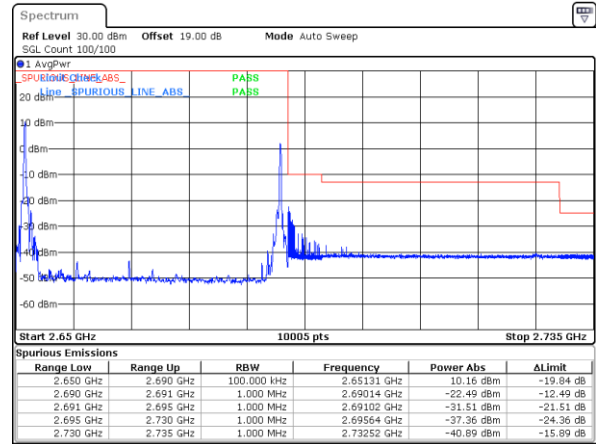
LTE Band 41C / 20MHz+20MHz

16QAM

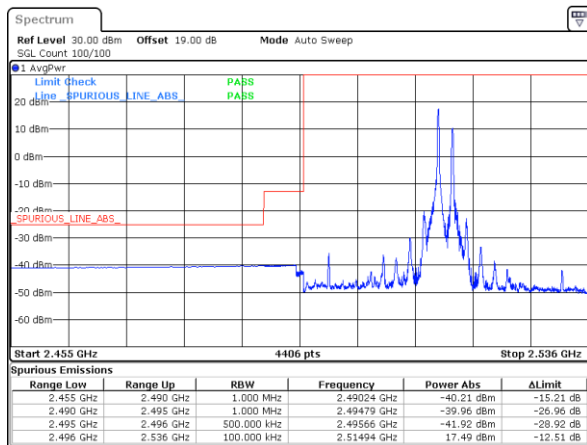
Lowest Band Edge / 1RB0 and 1RB99



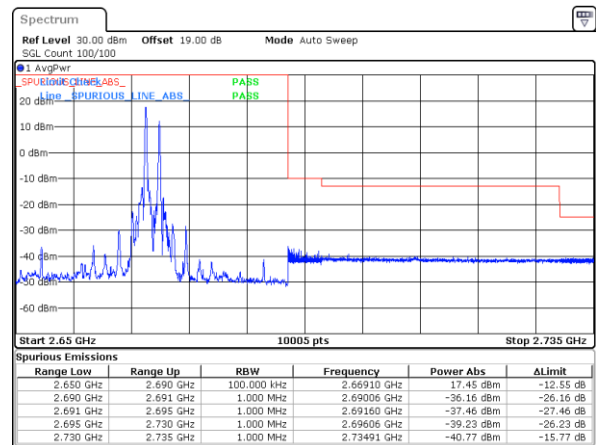
Highest Band Edge / 1RB0 and 1RB99



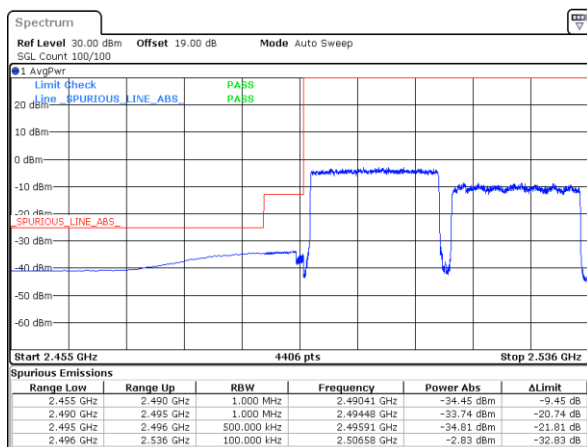
Lowest Band Edge / 1RB99 and 1RB0



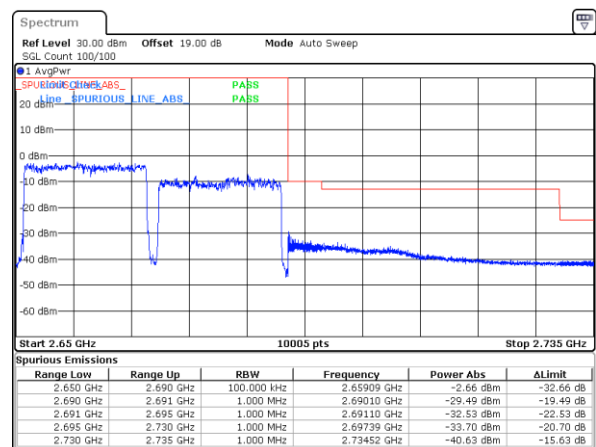
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

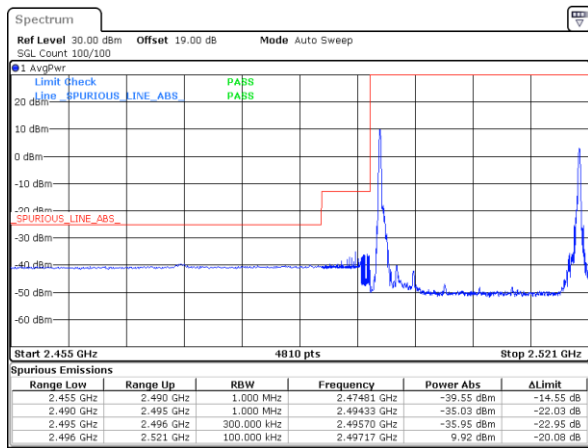




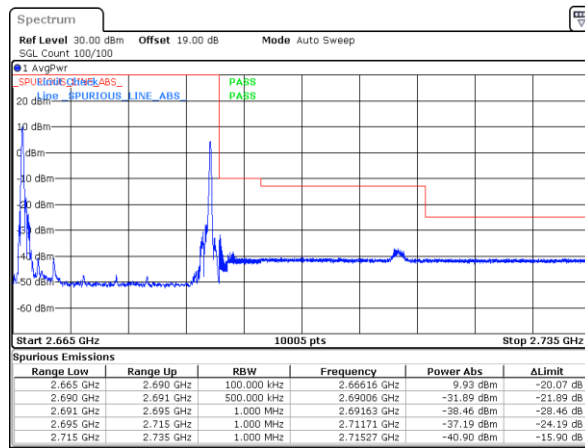
LTE Band 41C / 5MHz+20MHz

64QAM

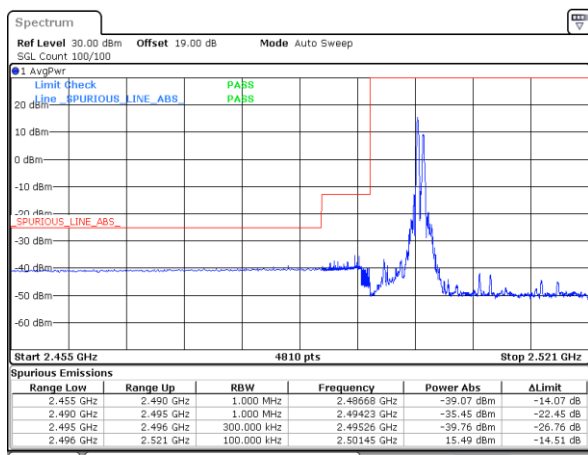
Lowest Band Edge / 1RB0 and 1RB99



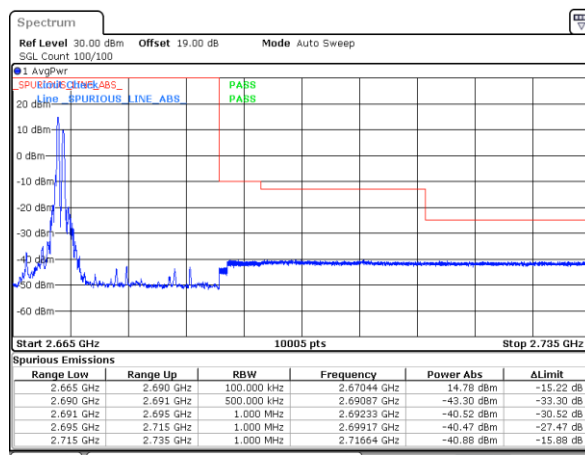
Highest Band Edge / 1RB0 and 1RB99



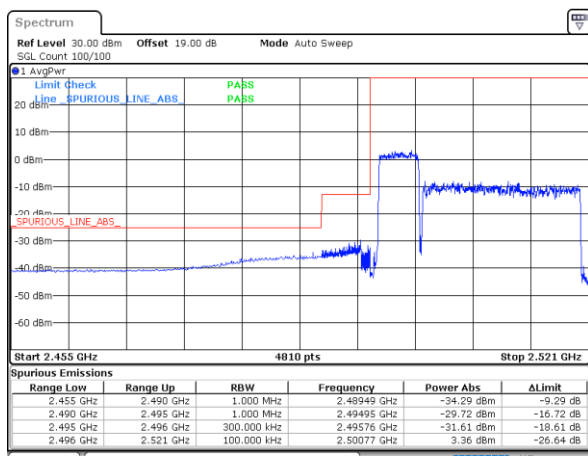
Lowest Band Edge / 1RB24 and 1RB0



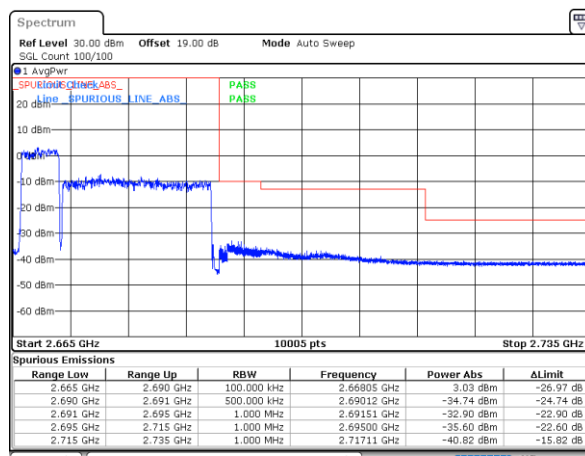
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

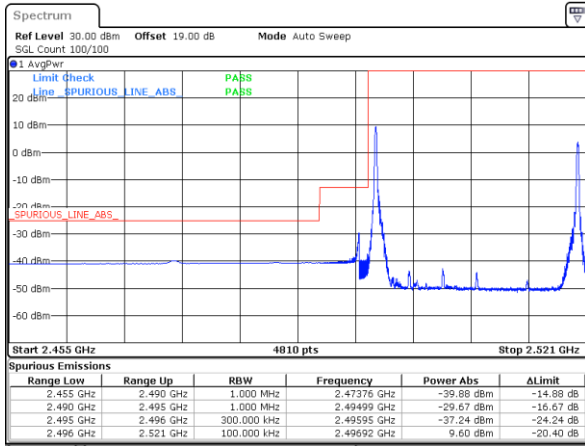




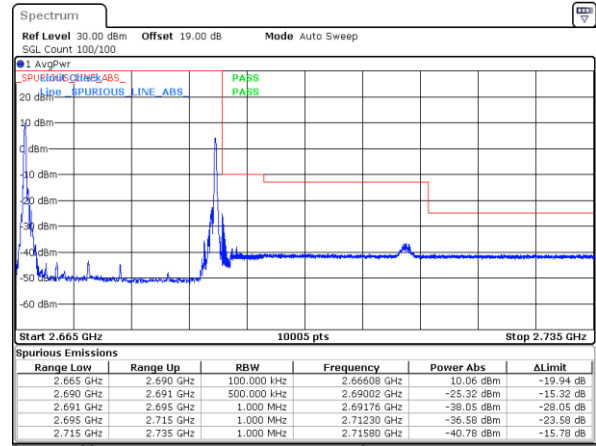
LTE Band 41C / 10MHz+15MHz

64QAM

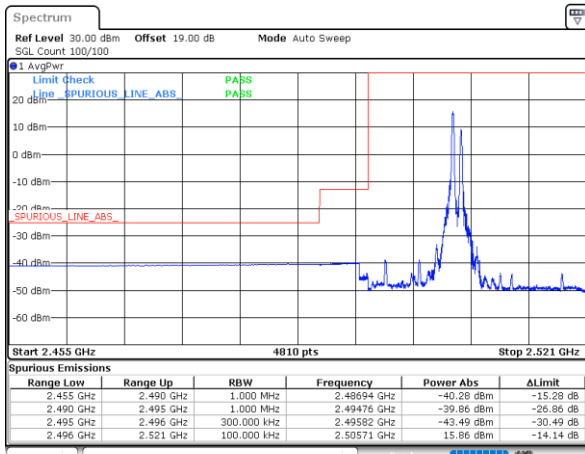
Lowest Band Edge / 1RB0 and 1RB74



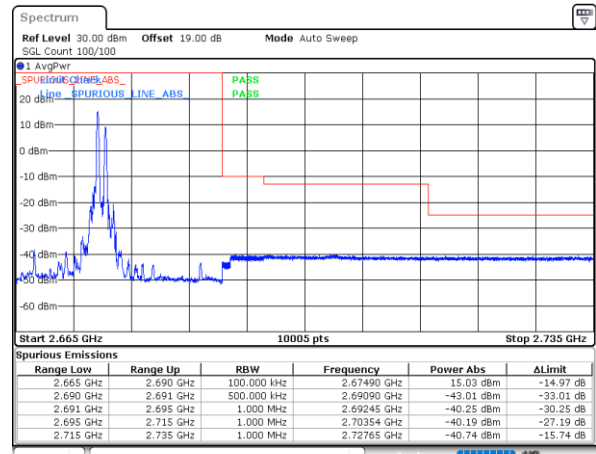
Highest Band Edge / 1RB0 and 1RB74



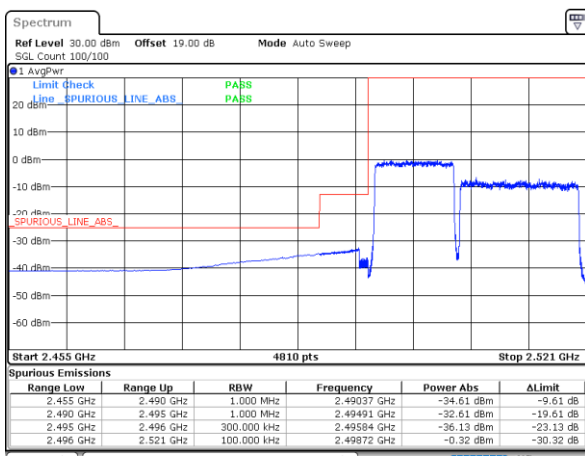
Lowest Band Edge / 1RB49 and 1RB0



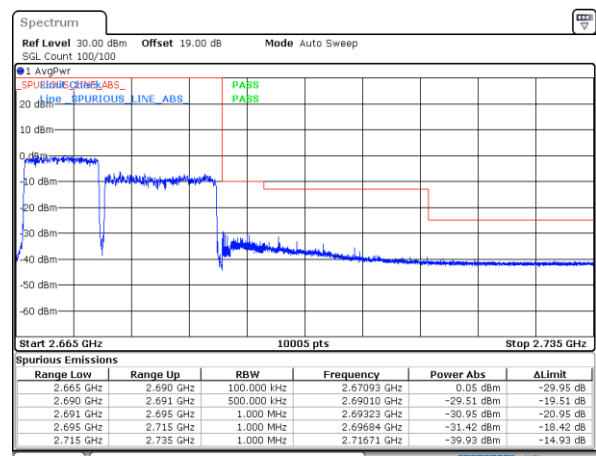
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

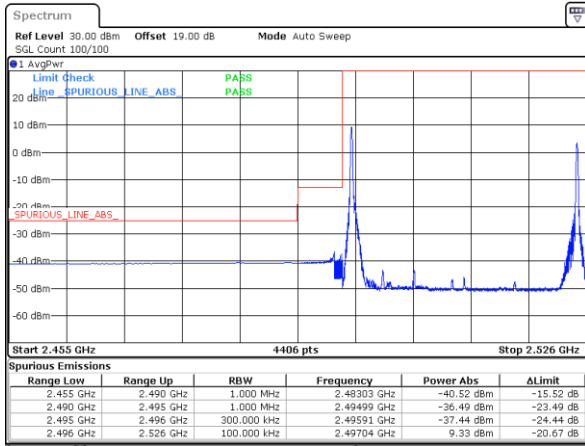




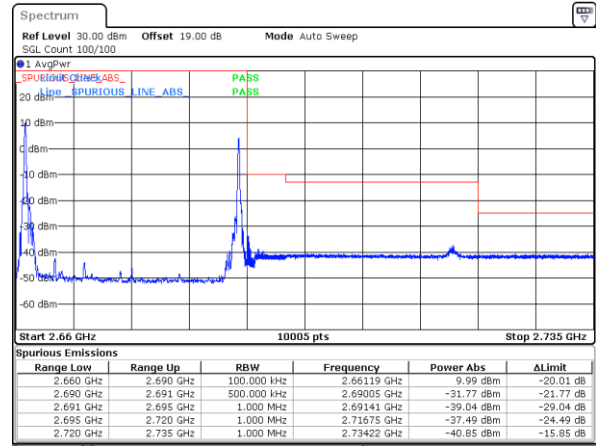
LTE Band 41C / 10MHz+20MHz

64QAM

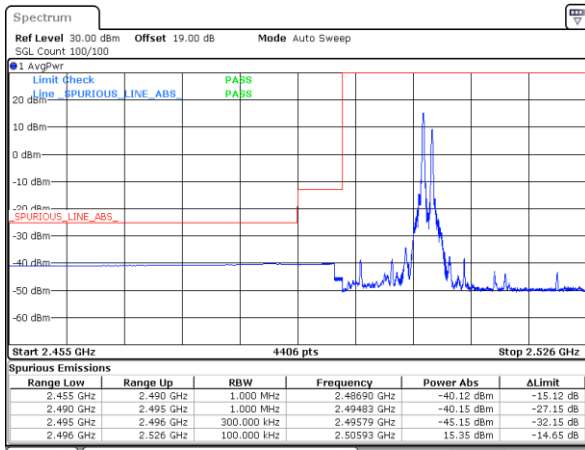
Lowest Band Edge / 1RB0 and 1RB99



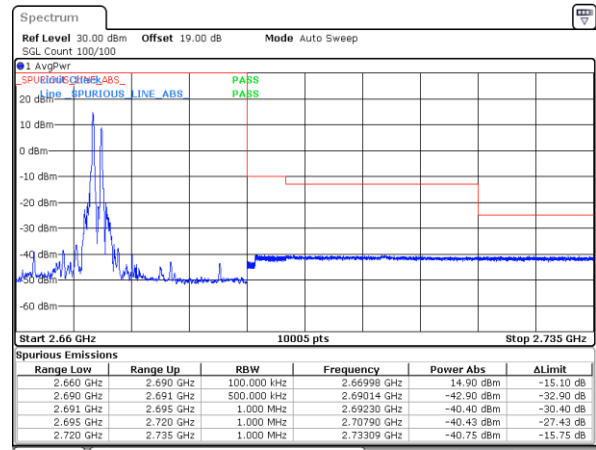
Highest Band Edge / 1RB0 and 1RB99



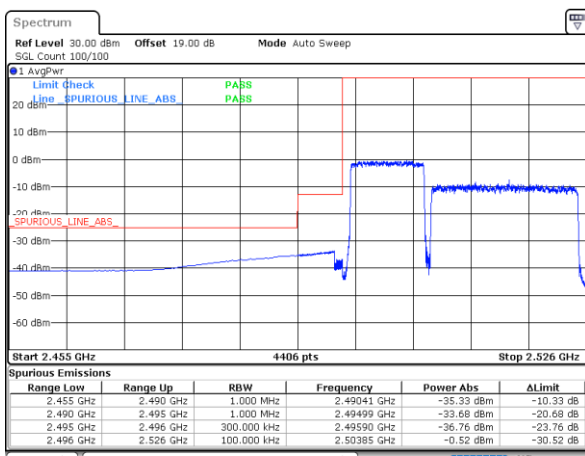
Lowest Band Edge / 1RB49 and 1RB0



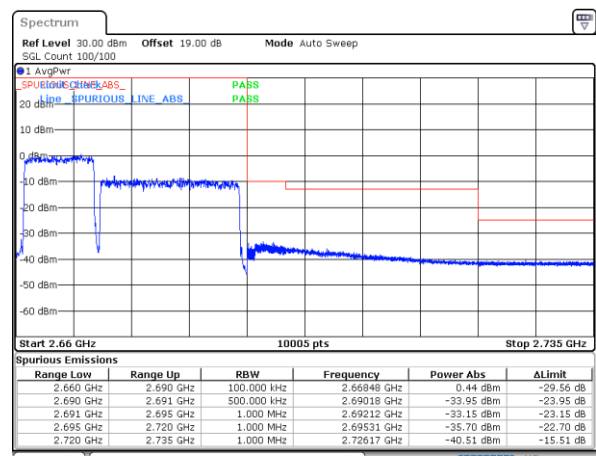
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

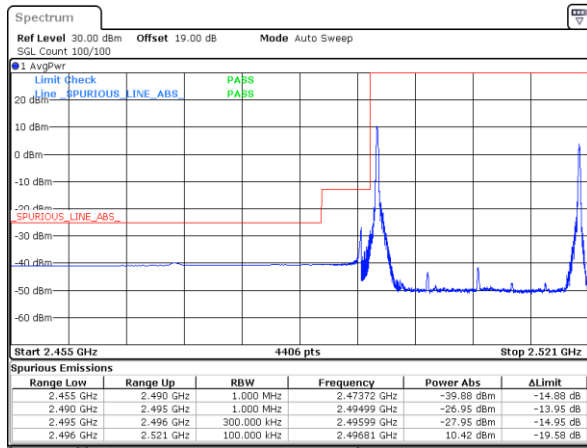




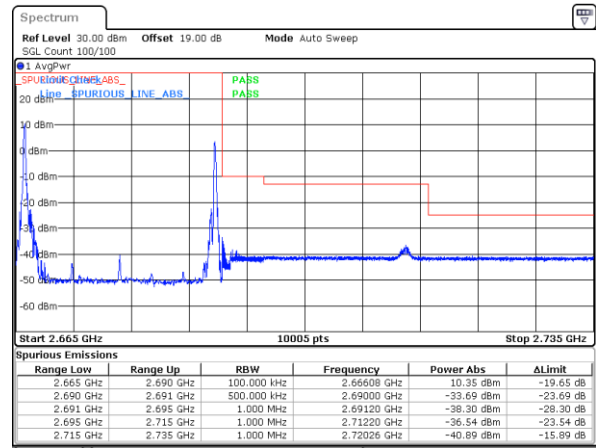
LTE Band 41C / 15MHz+10MHz

64QAM

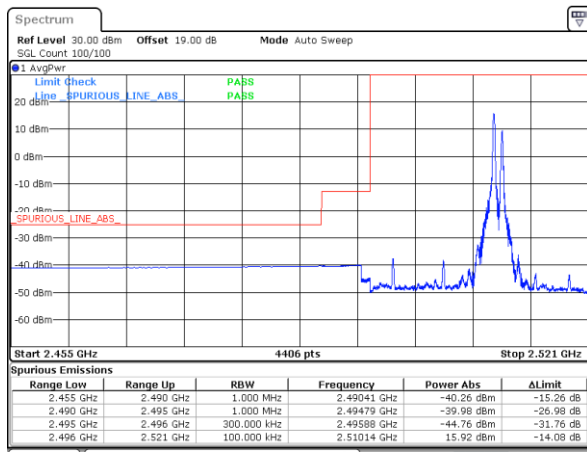
Lowest Band Edge / 1RB0 and 1RB49



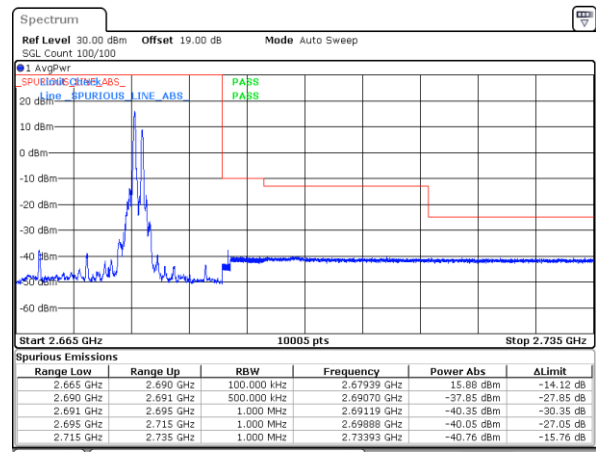
Highest Band Edge / 1RB0 and 1RB49



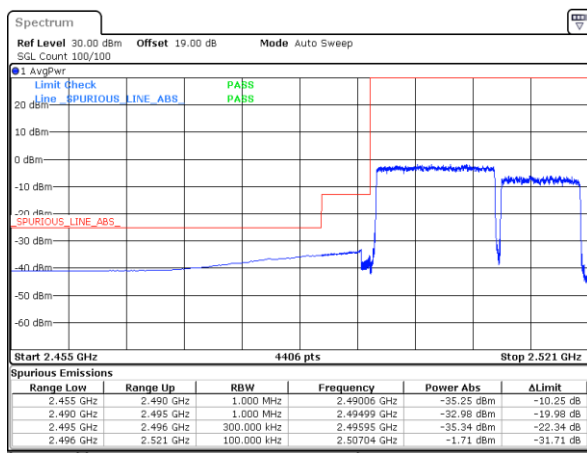
Lowest Band Edge / 1RB74 and 1RB0



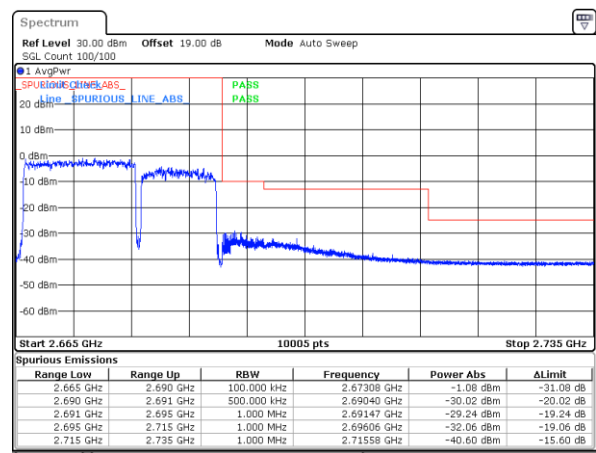
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

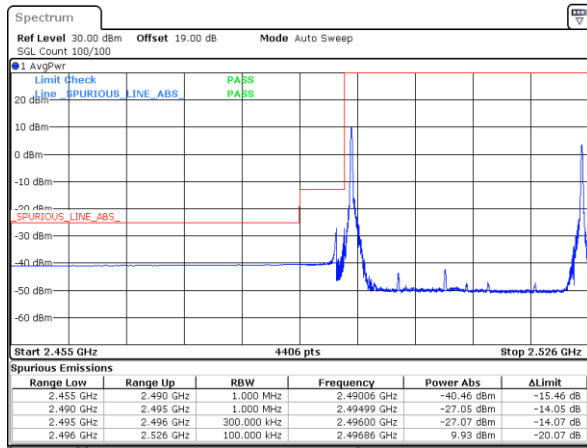




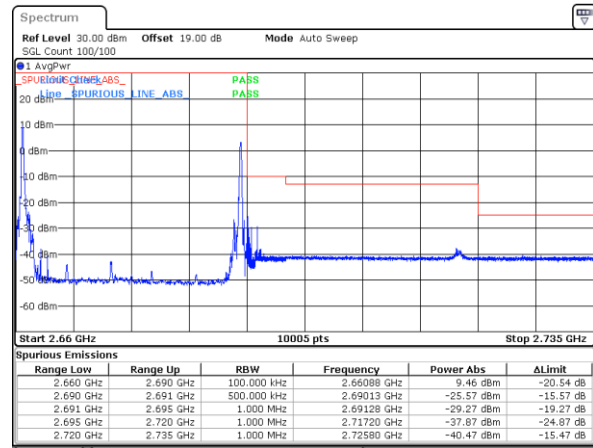
LTE Band 41C / 15MHz+15MHz

64QAM

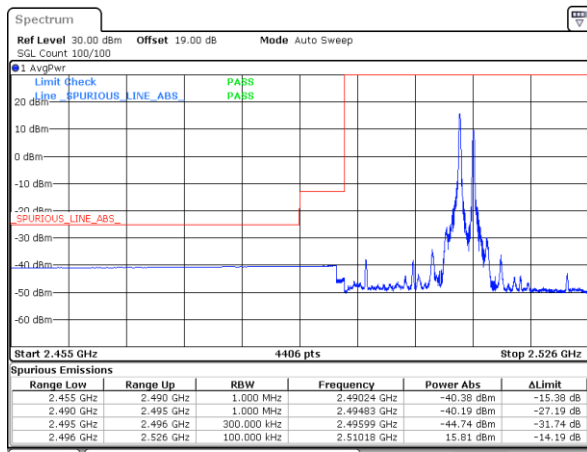
Lowest Band Edge / 1RB0 and 1RB74



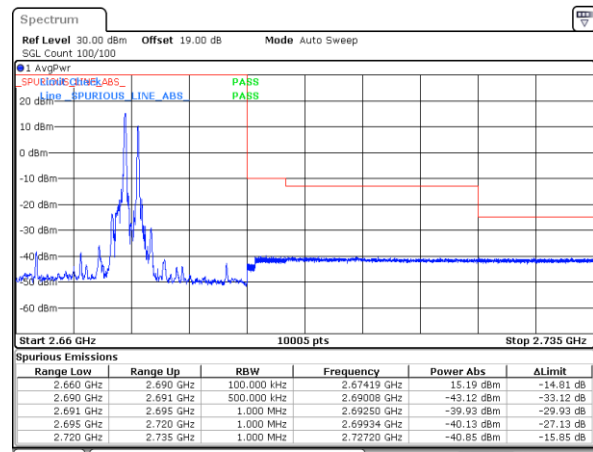
Highest Band Edge / 1RB0 and 1RB74



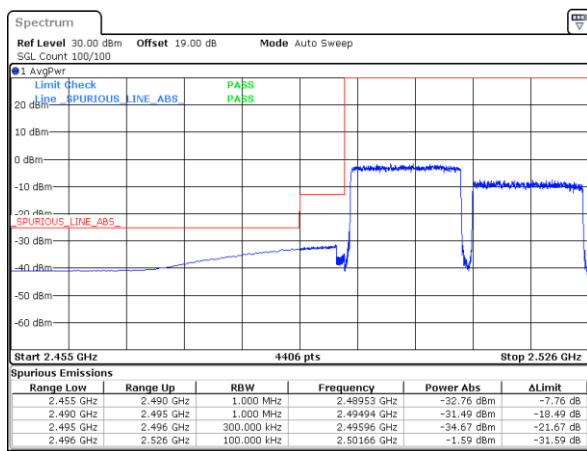
Lowest Band Edge / 1RB74 and 1RB0



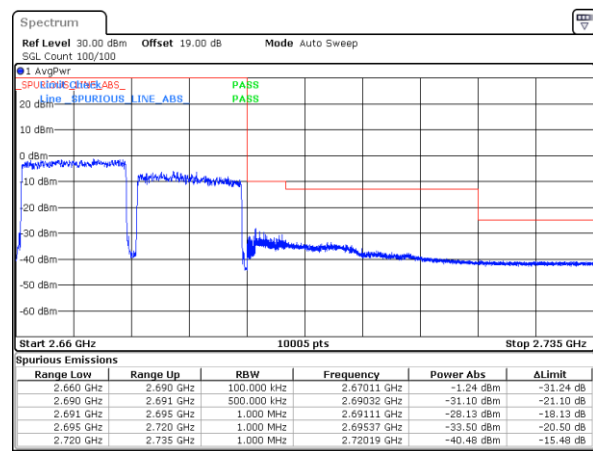
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

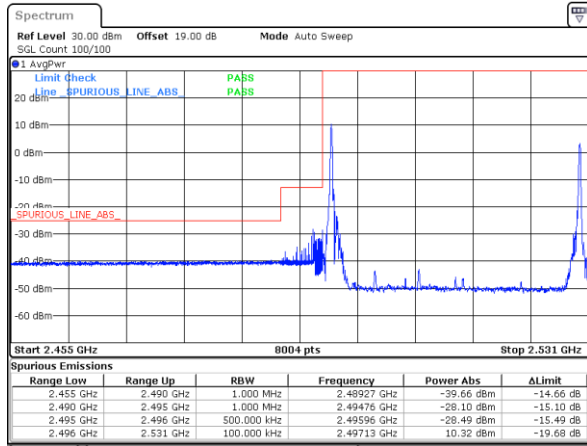




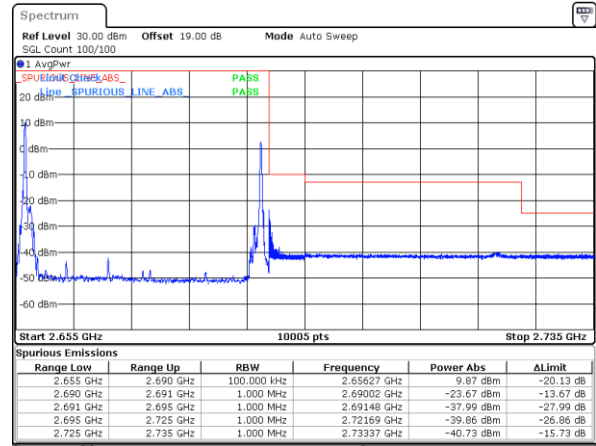
LTE Band 41C / 15MHz+20MHz

64QAM

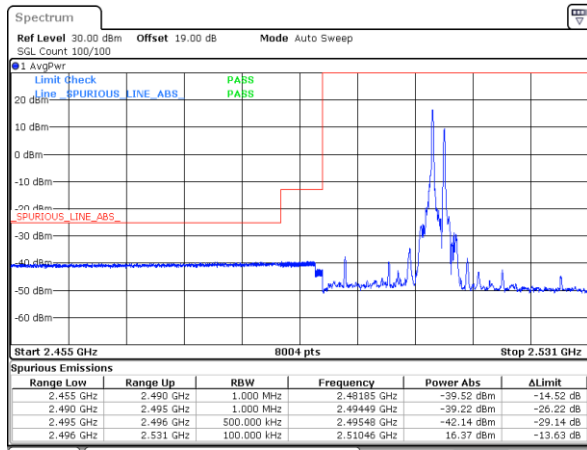
Lowest Band Edge / 1RB0 and 1RB99



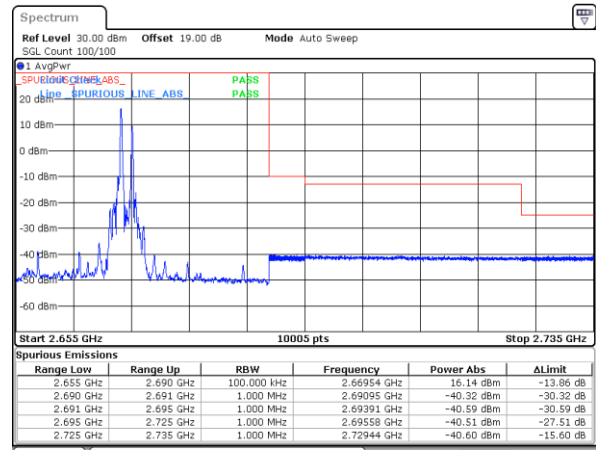
Highest Band Edge / 1RB0 and 1RB99



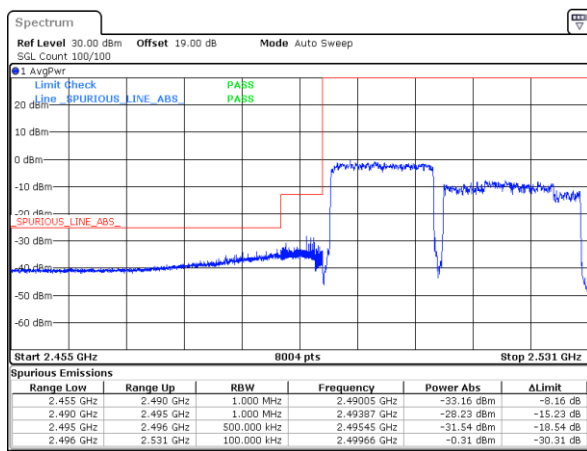
Lowest Band Edge / 1RB74 and 1RB0



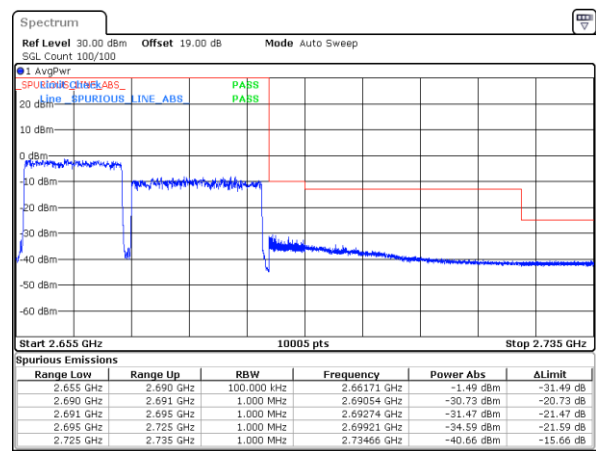
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

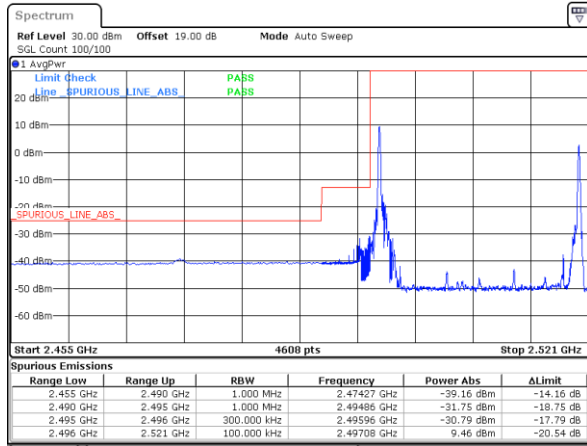




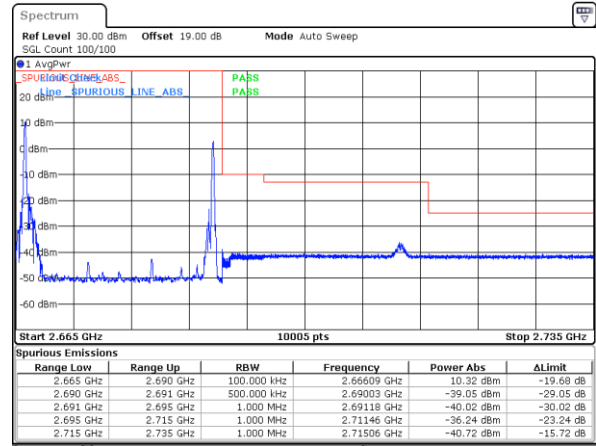
LTE Band 41C / 20MHz+5MHz

64QAM

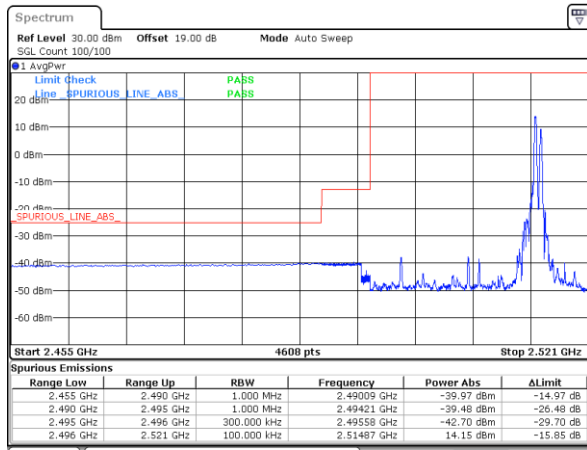
Lowest Band Edge / 1RB0 and 1RB24



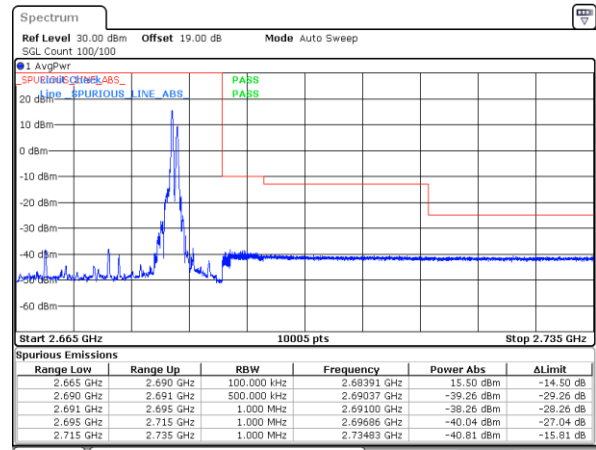
Highest Band Edge / 1RB0 and 1RB24



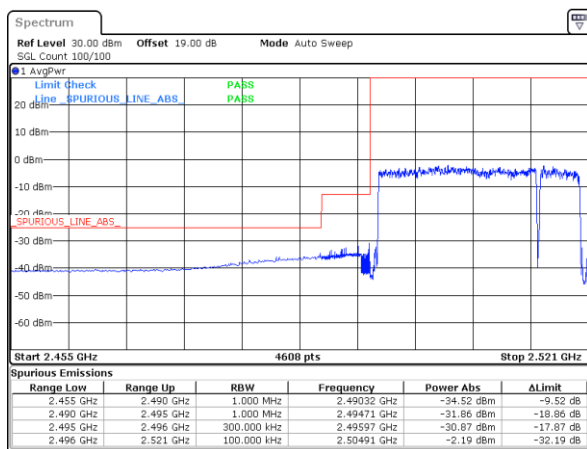
Lowest Band Edge / 1RB99 and 1RB0



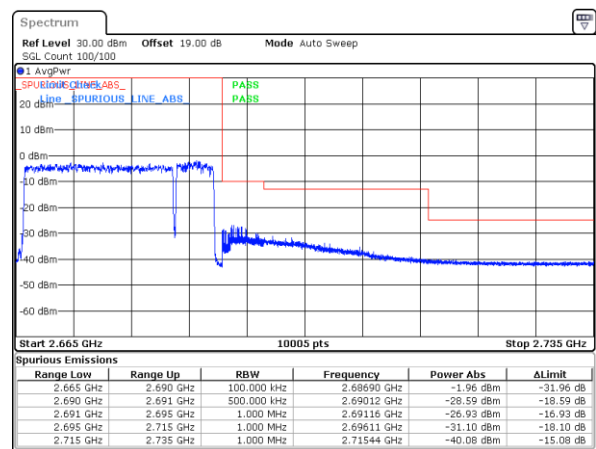
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

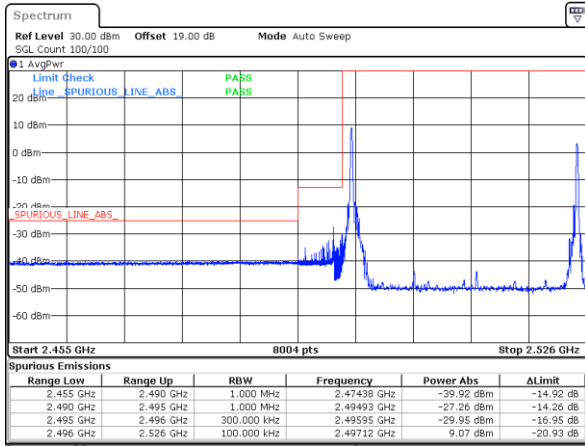




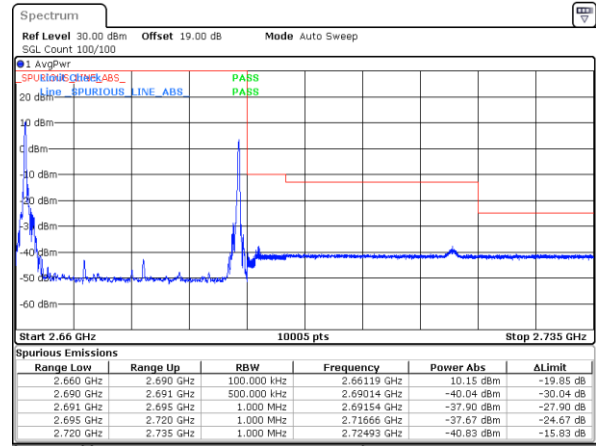
LTE Band 41C / 20MHz+10MHz

64QAM

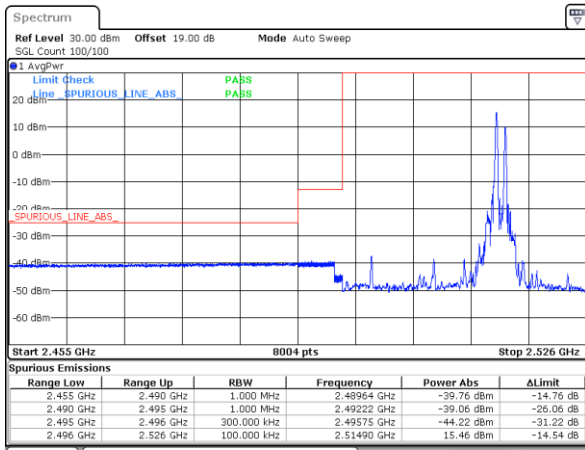
Lowest Band Edge / 1RB0 and 1RB49



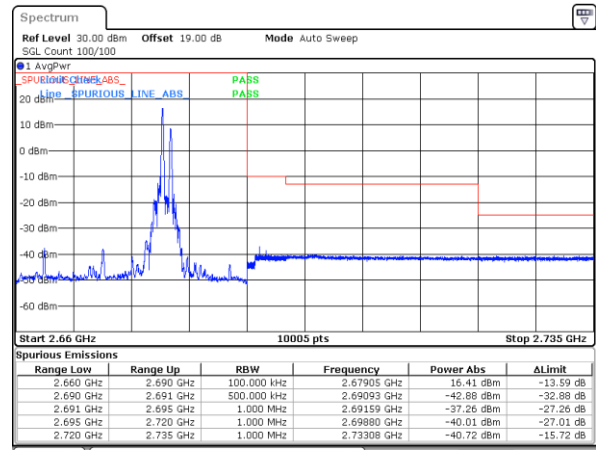
Highest Band Edge / 1RB0 and 1RB49



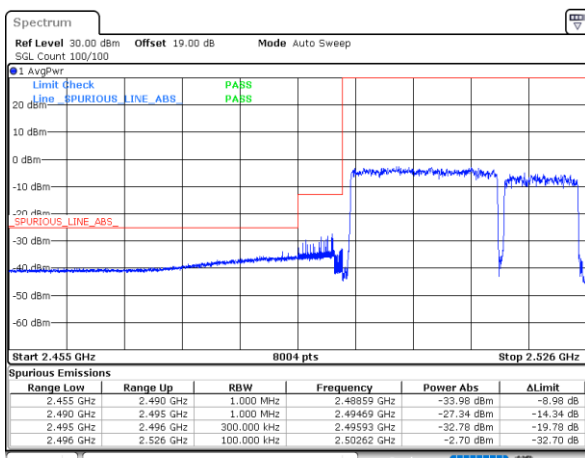
Lowest Band Edge / 1RB99 and 1RB0



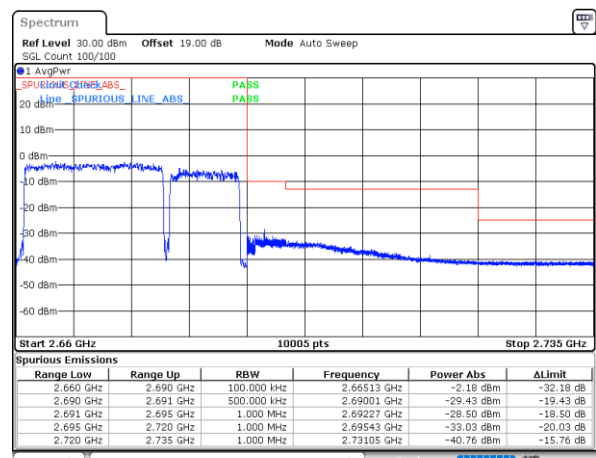
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

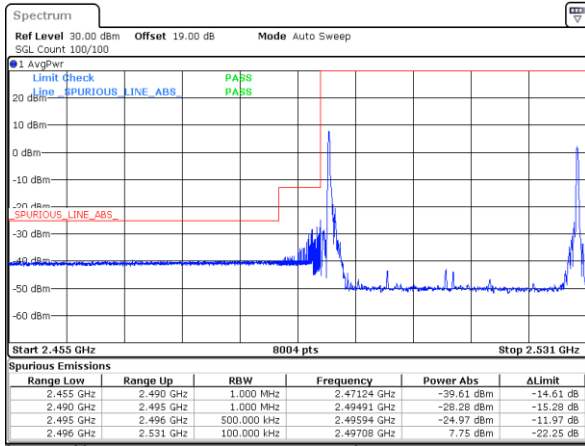




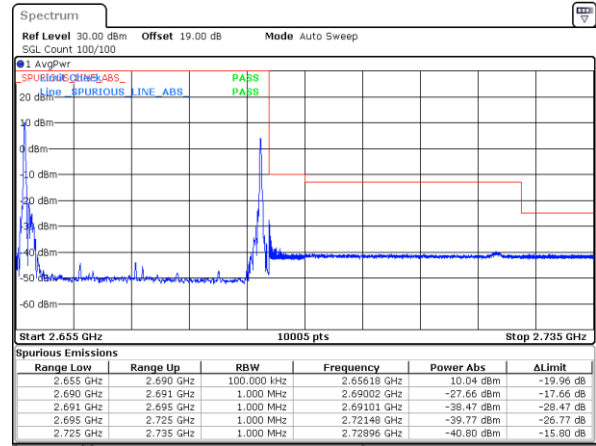
LTE Band 41C / 20MHz+15MHz

64QAM

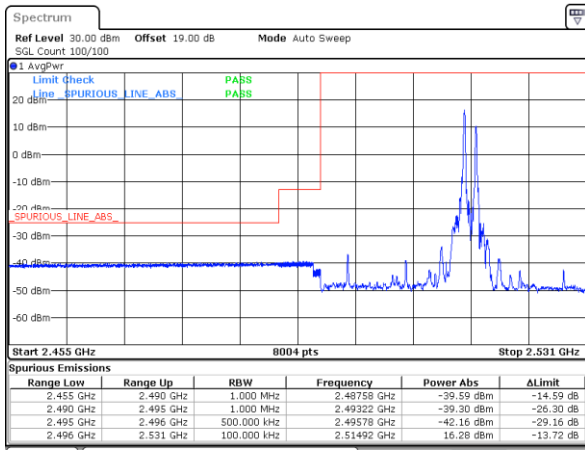
Lowest Band Edge / 1RB0 and 1RB74



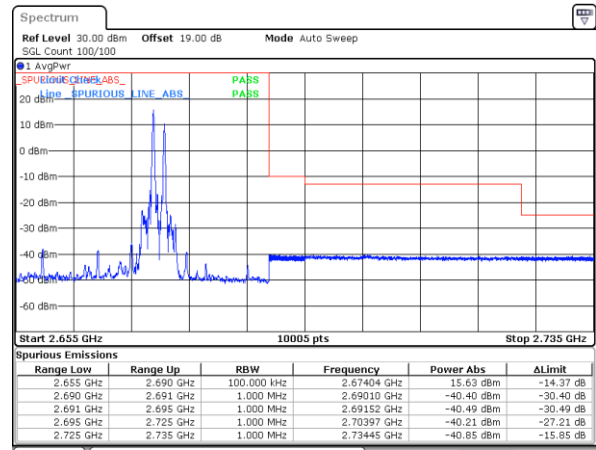
Highest Band Edge / 1RB0 and 1RB74



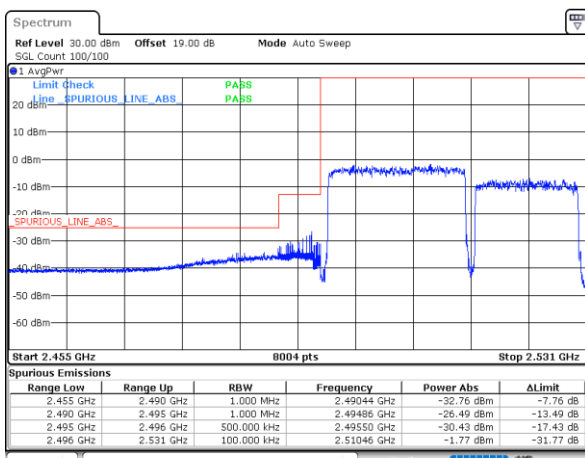
Lowest Band Edge / 1RB99 and 1RB0



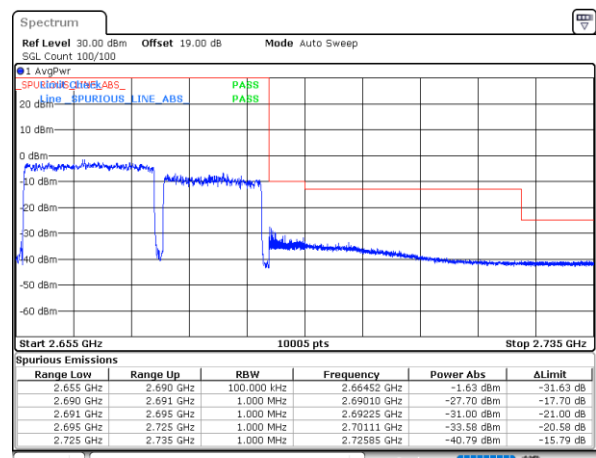
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

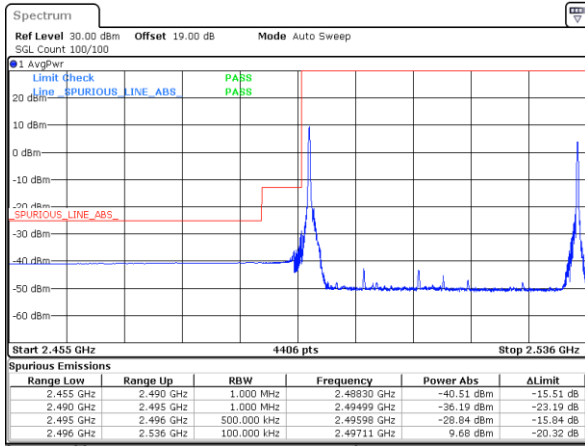




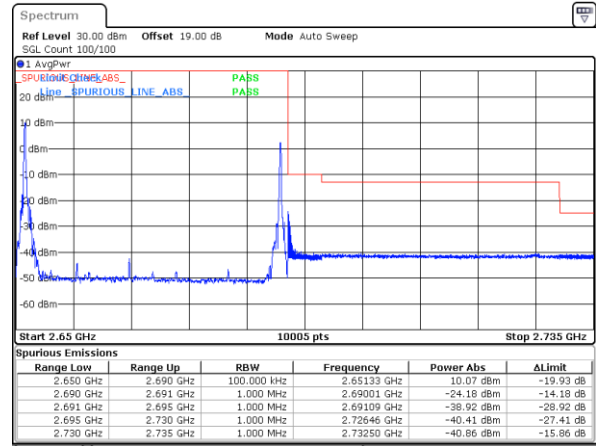
LTE Band 41C / 20MHz+20MHz

64QAM

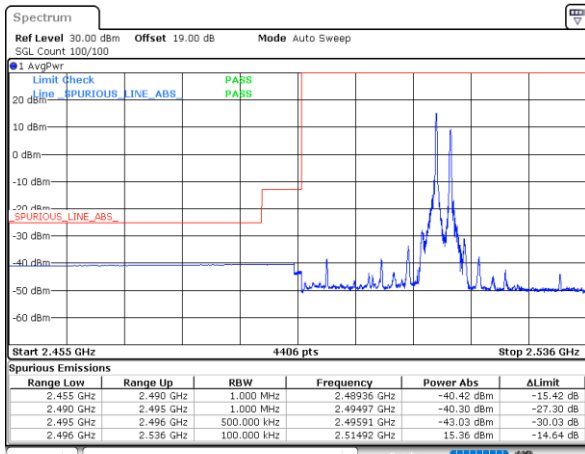
Lowest Band Edge / 1RB0 and 1RB99



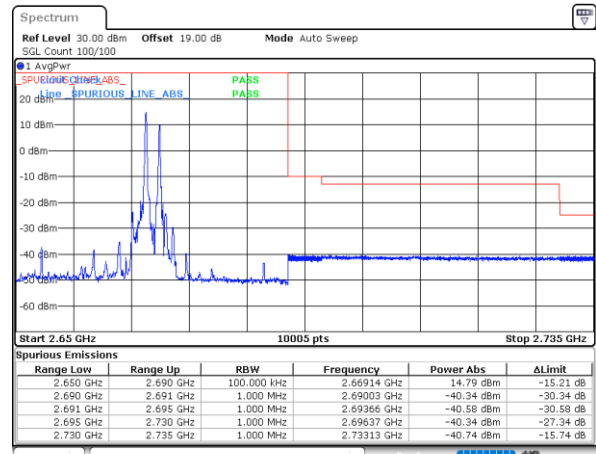
Highest Band Edge / 1RB0 and 1RB99



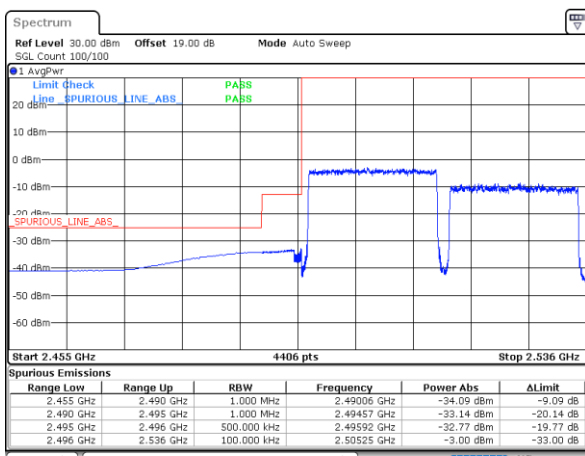
Lowest Band Edge / 1RB99 and 1RB0



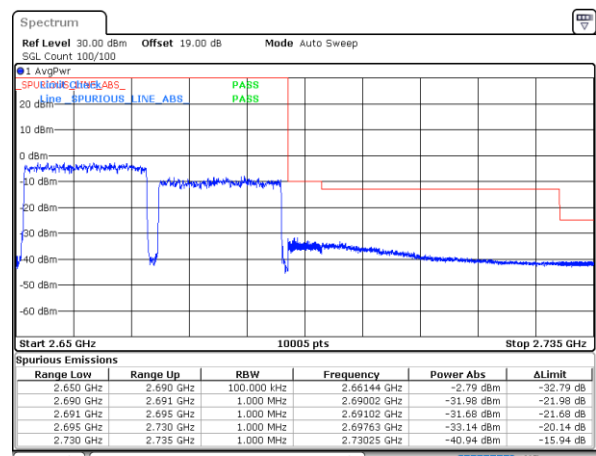
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





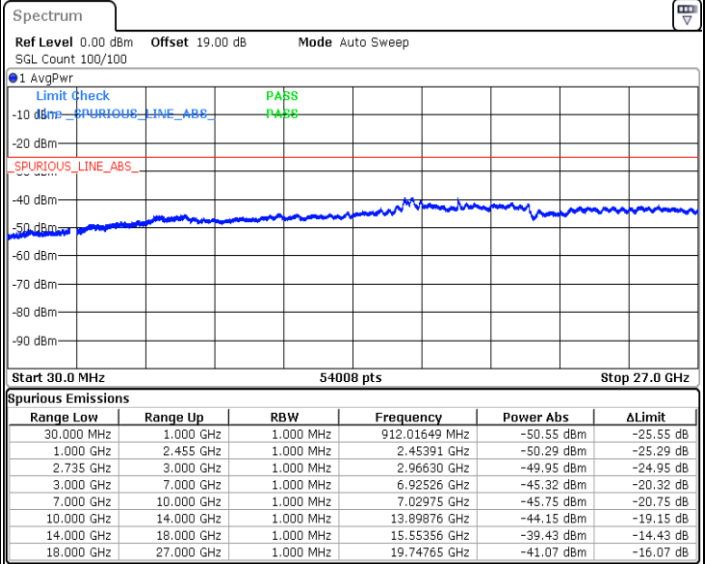
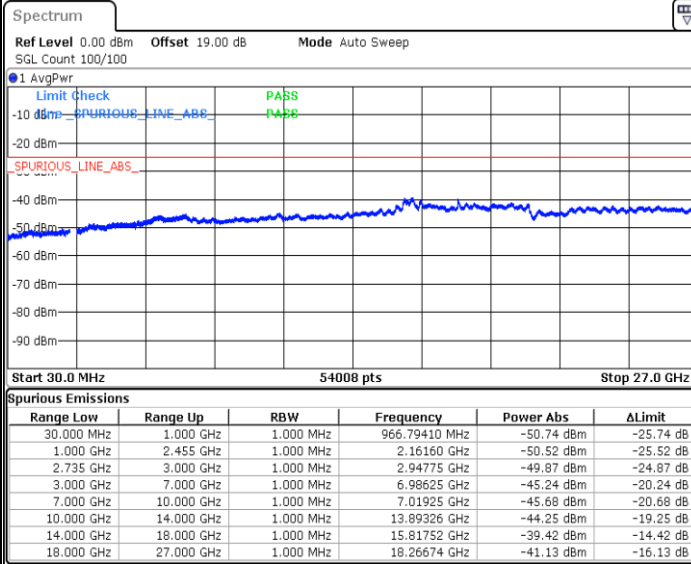
Conducted Spurious Emission

LTE Band 41C / 5MHz+20MHz

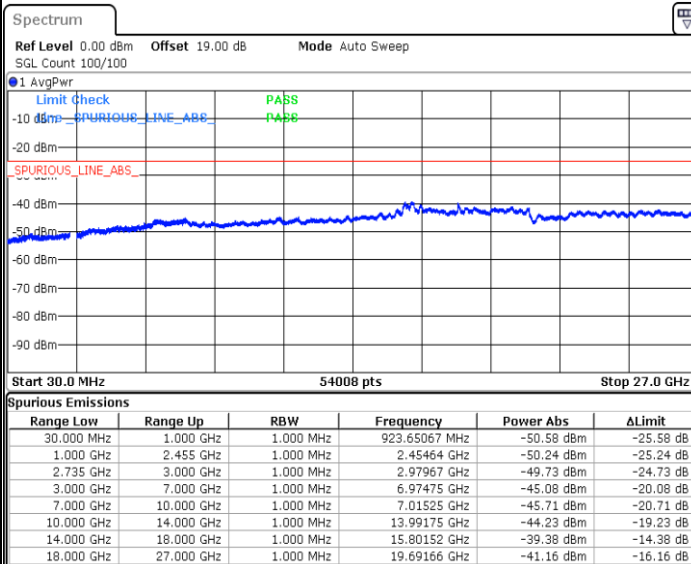
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0



Highest Channel / 1RB24 and 1RB0



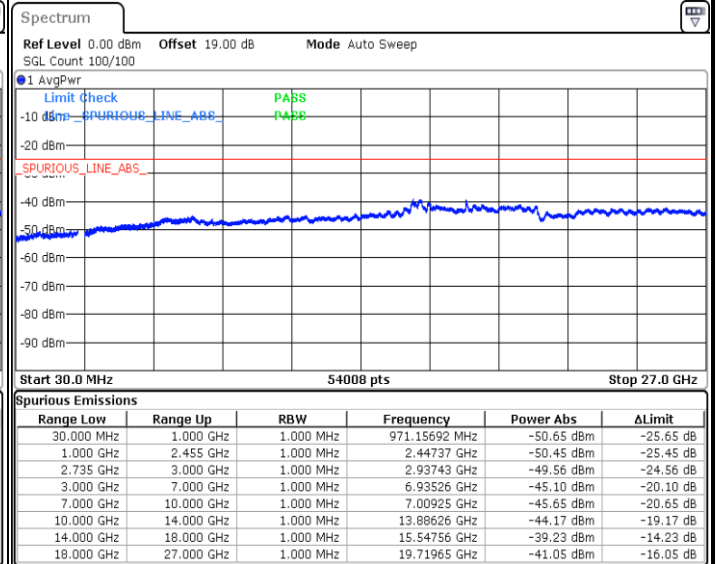
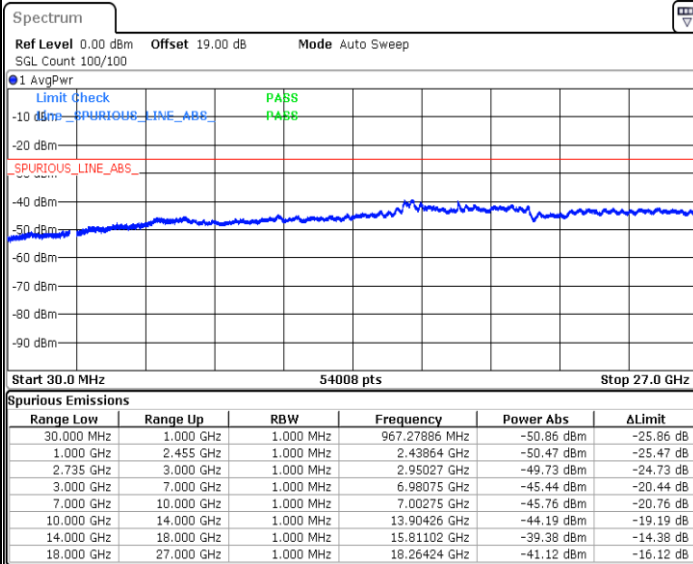


LTE Band 41C / 10MHz+15MHz

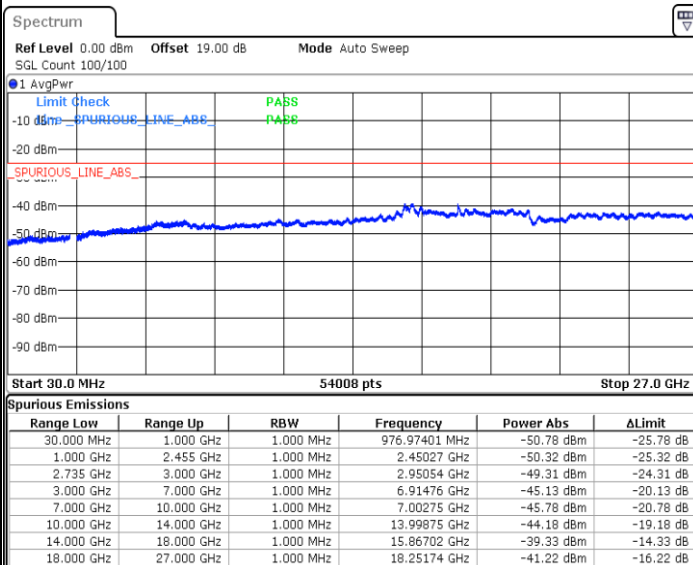
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0



Highest Channel / 1RB49 and 1RB0



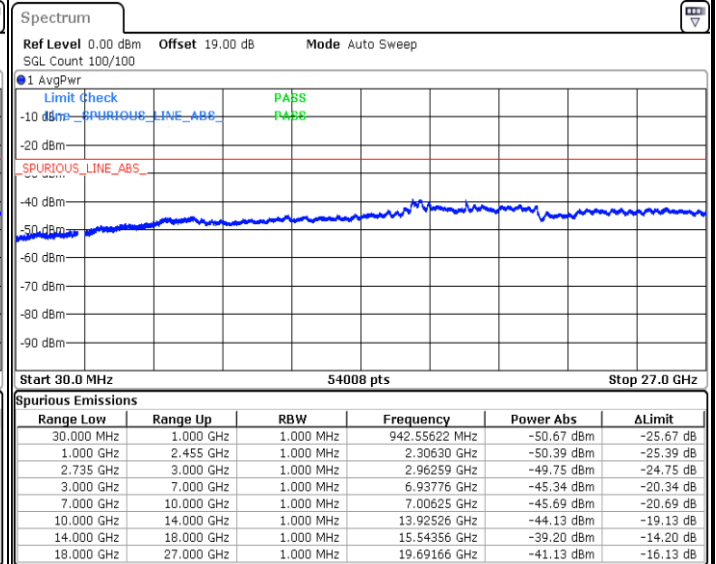
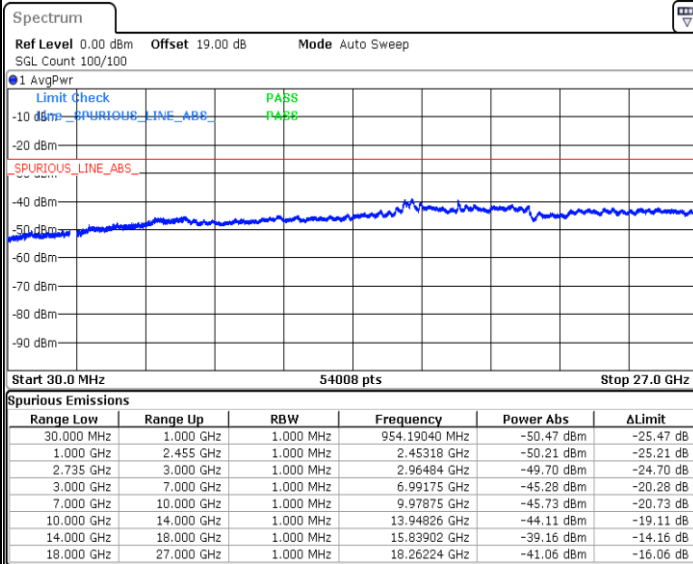


LTE Band 41C / 10MHz+20MHz

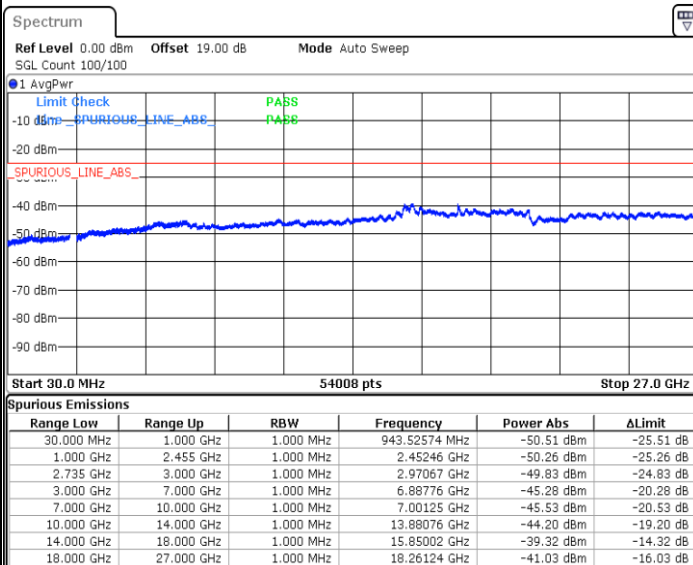
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0



Highest Channel / 1RB49 and 1RB0



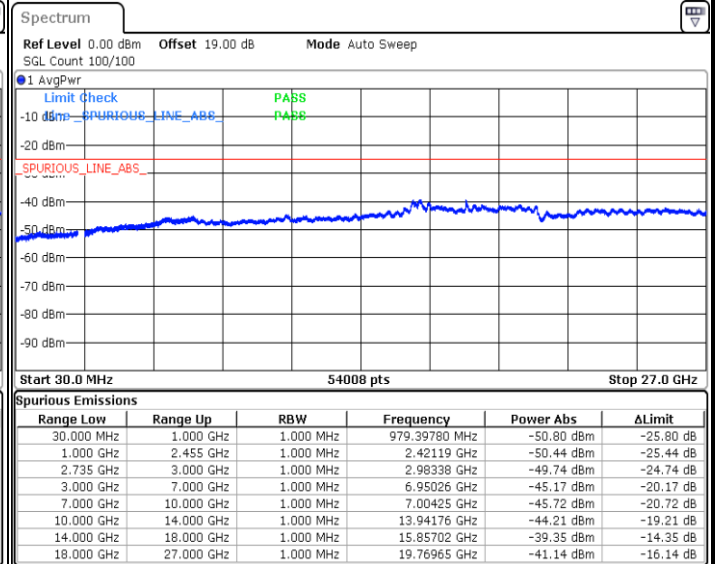
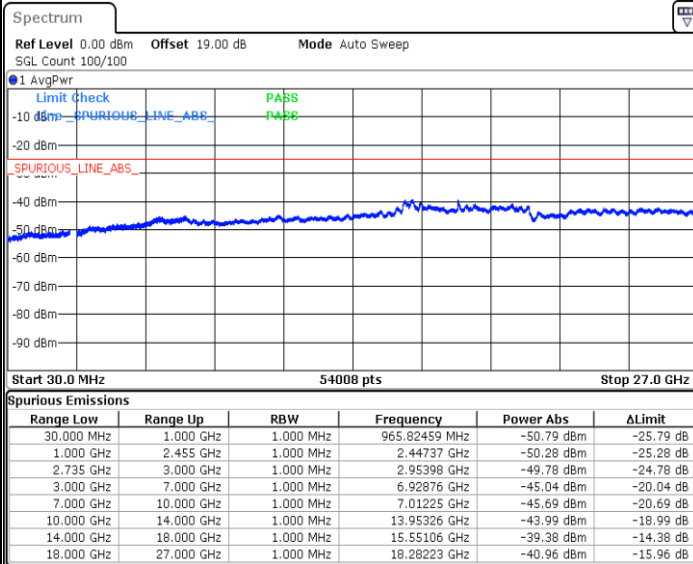


LTE Band 41C / 15MHz+10MHz

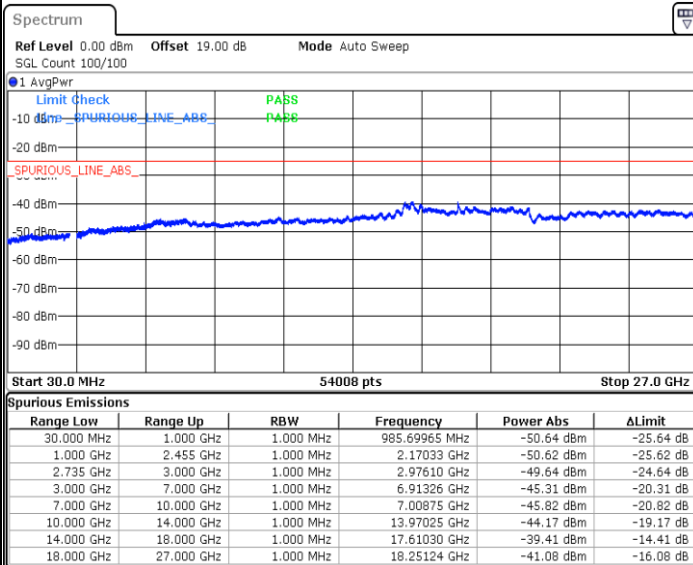
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



Highest Channel / 1RB74 and 1RB0



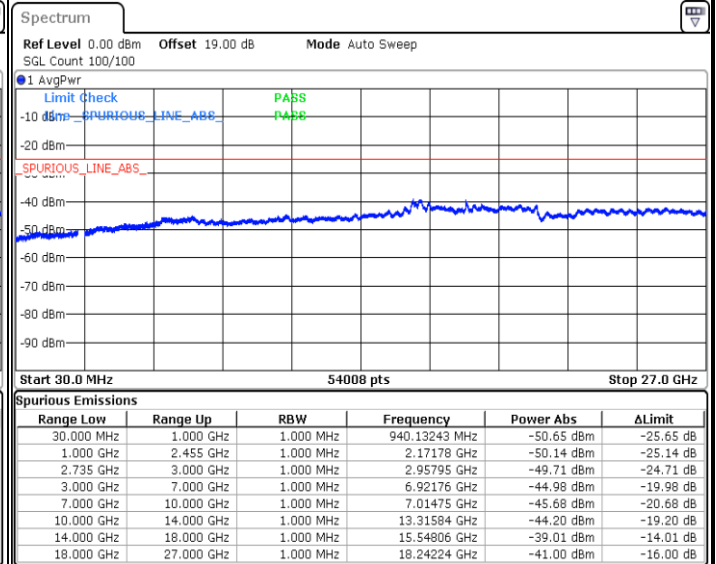
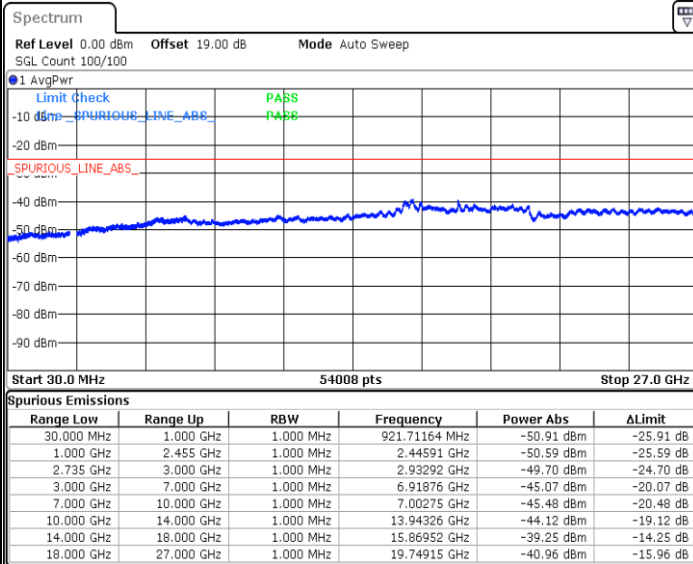


LTE Band 41C / 15MHz+15MHz

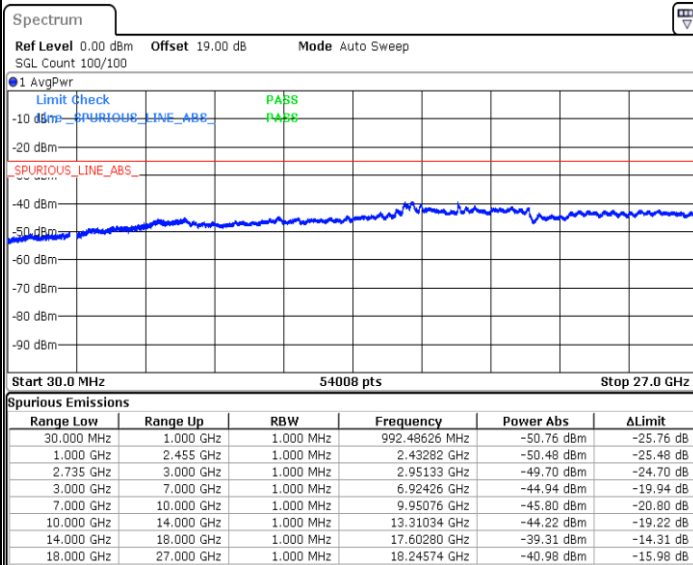
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



Highest Channel / 1RB74 and 1RB0



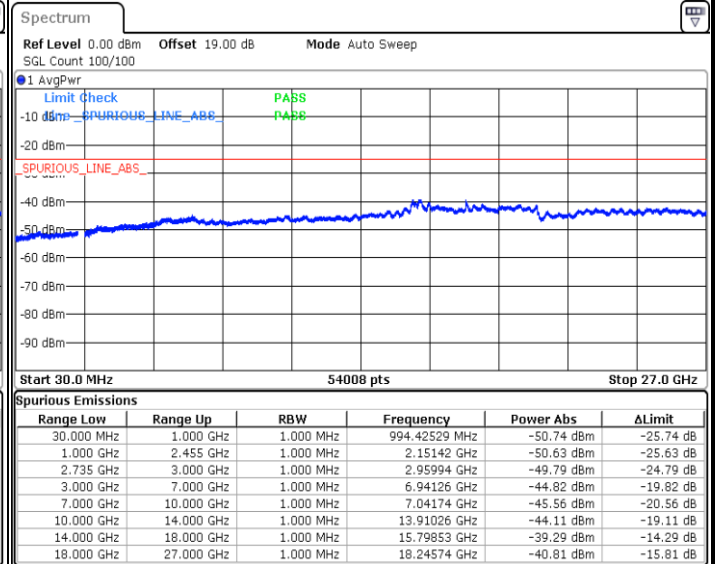
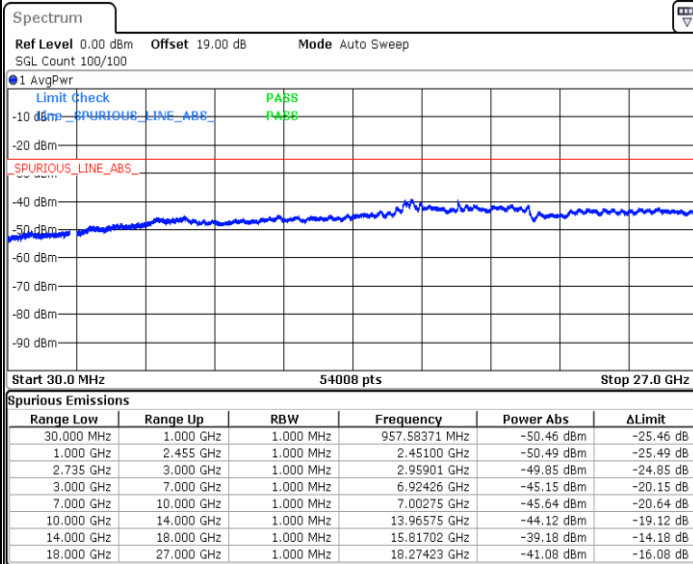


LTE Band 41C / 15MHz+20MHz

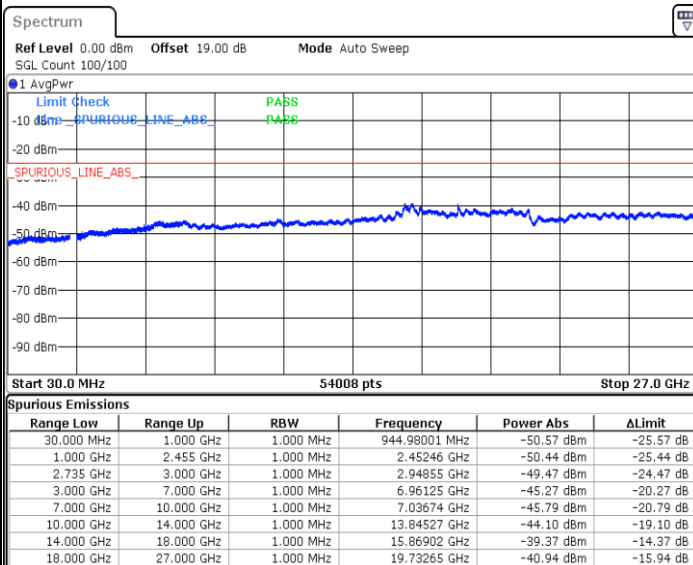
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



Highest Channel / 1RB74 and 1RB0





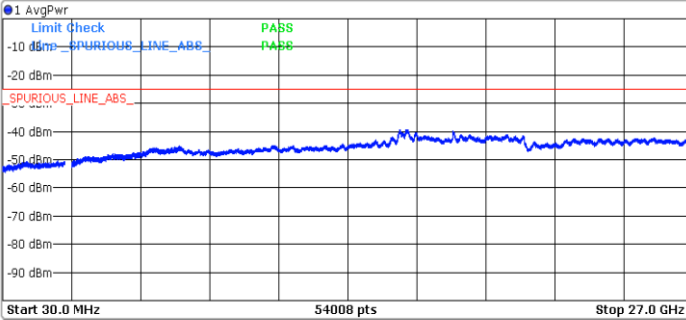
LTE Band 41C / 20MHz+5MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz

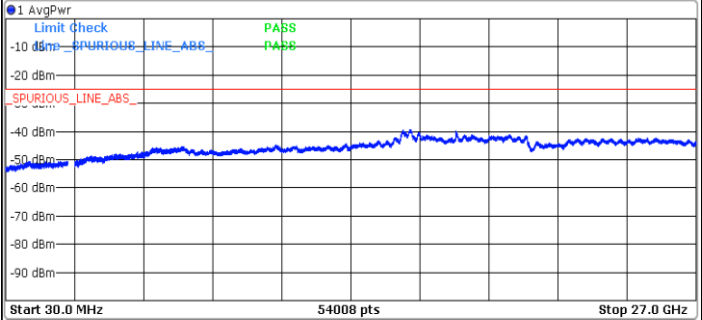
54008 pts

Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.79110 MHz	-50.66 dBm	-25.66 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.17251 GHz	-50.37 dBm	-25.37 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.96510 GHz	-49.69 dBm	-24.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92126 GHz	-45.14 dBm	-20.14 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.00875 GHz	-45.64 dBm	-20.64 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98675 GHz	-44.12 dBm	-19.12 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.85652 GHz	-39.43 dBm	-14.43 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.26174 GHz	-41.09 dBm	-16.09 dB

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz

54008 pts

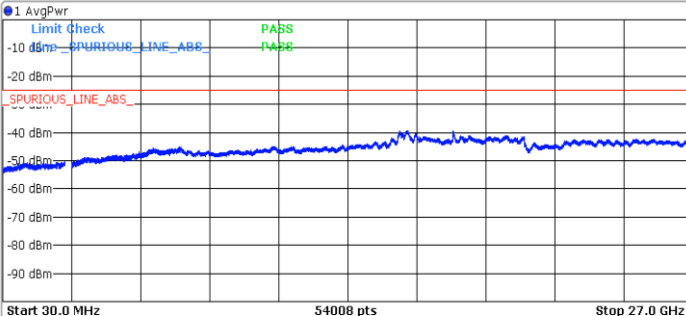
Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-50.75 dBm	-25.75 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.41828 GHz	-50.55 dBm	-25.55 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.96166 GHz	-49.80 dBm	-24.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93126 GHz	-45.29 dBm	-20.29 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.00225 GHz	-45.82 dBm	-20.82 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.86477 GHz	-44.15 dBm	-19.15 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.81802 GHz	-39.30 dBm	-14.30 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.24074 GHz	-41.08 dBm	-16.08 dB

Highest Channel / 1RB99 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz

54008 pts

Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-50.67 dBm	-25.67 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.45027 GHz	-50.32 dBm	-25.32 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.97623 GHz	-49.81 dBm	-24.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-45.20 dBm	-20.20 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.00925 GHz	-45.64 dBm	-20.64 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.86277 GHz	-44.31 dBm	-19.31 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54356 GHz	-39.40 dBm	-14.40 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69466 GHz	-41.12 dBm	-16.12 dB

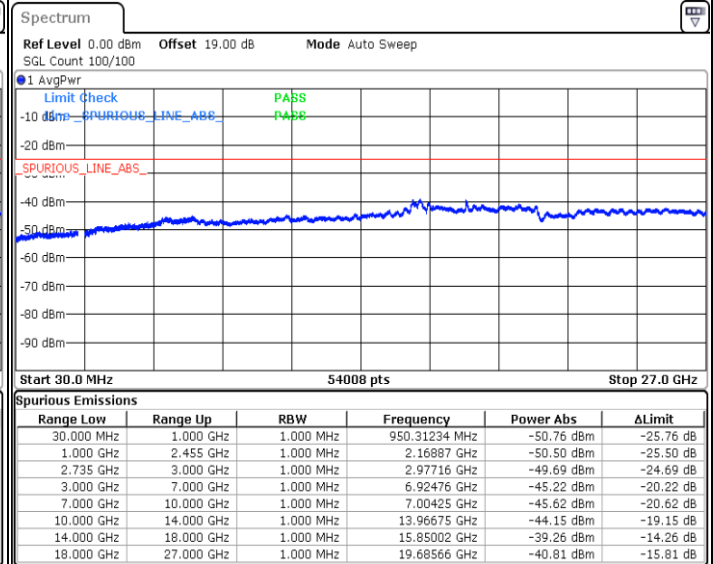
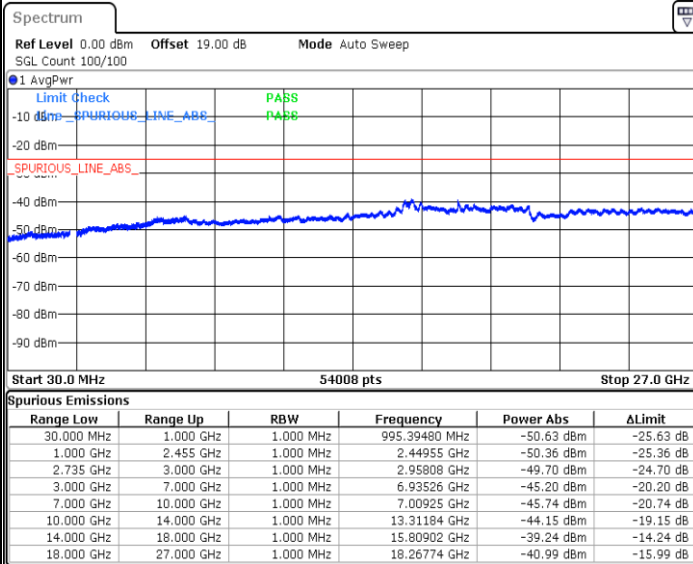


LTE Band 41C / 20MHz+10MHz

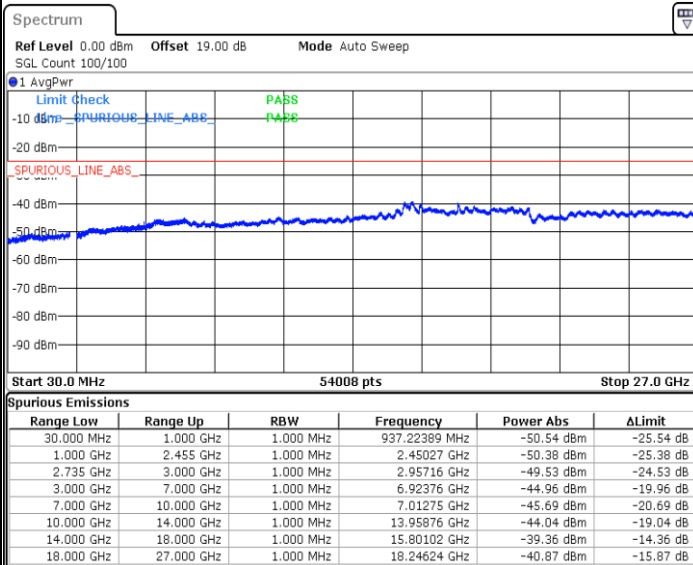
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



Highest Channel / 1RB99 and 1RB0



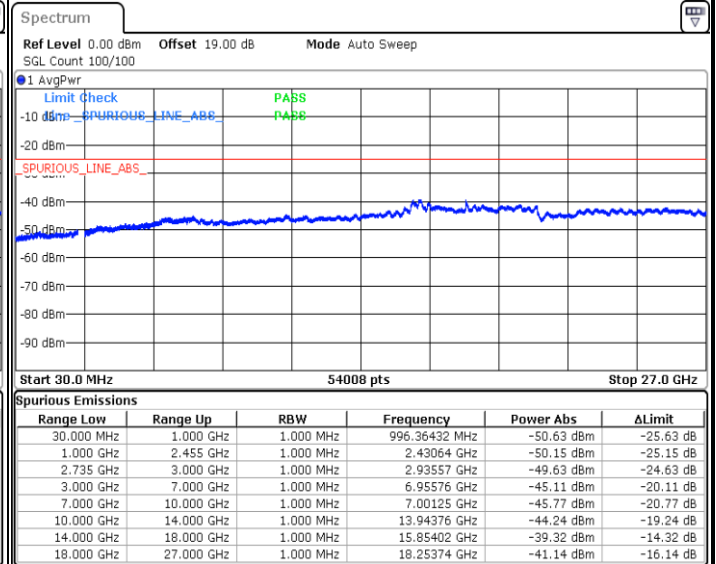
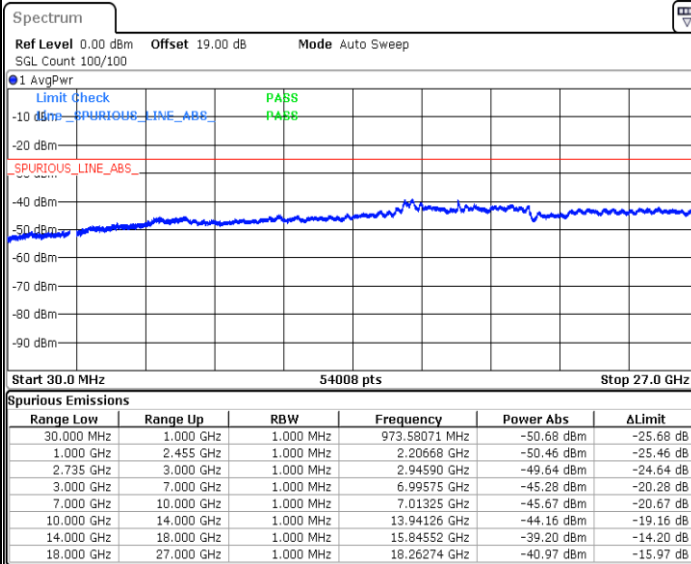


LTE Band 41C / 20MHz+15MHz

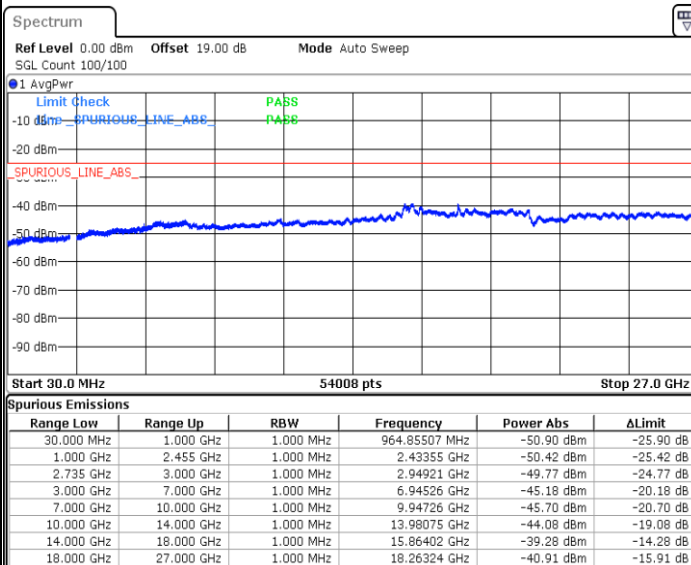
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



Highest Channel / 1RB99 and 1RB0



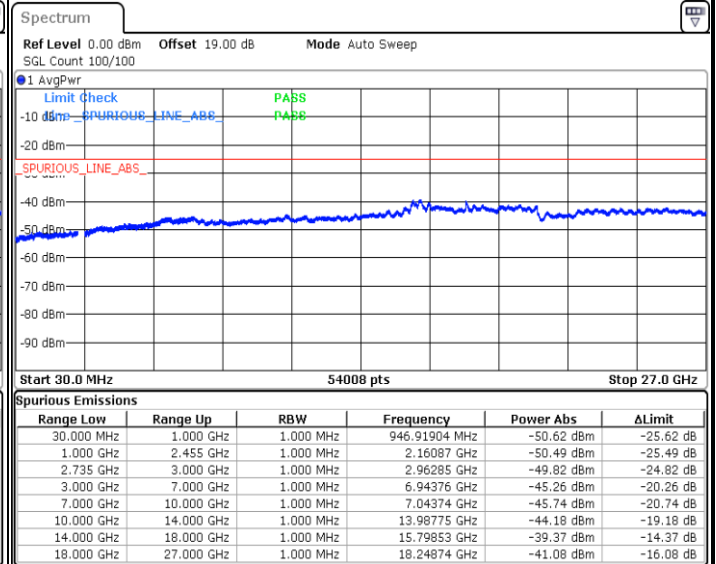
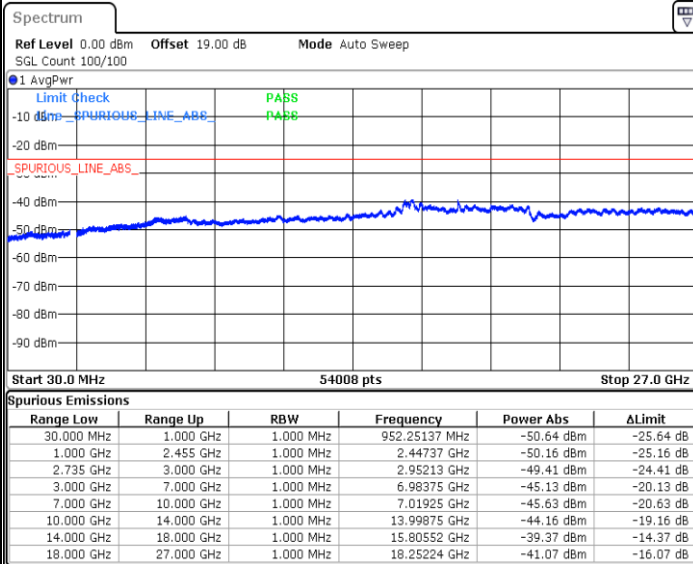


LTE Band 41C / 20MHz+20MHz

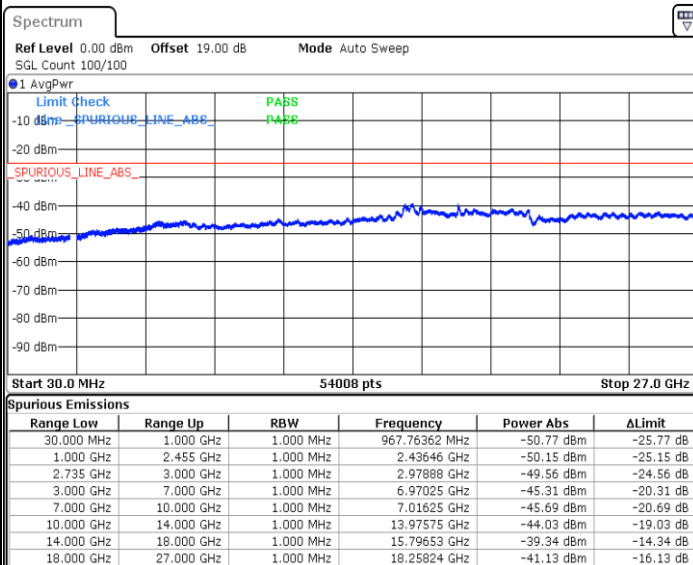
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



Highest Channel / 1RB99 and 1RB0





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 7 / 20MHz / QPSK Sample 1 & Monopole Antenna									
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	5052.18	-57.51	-25	-32.51	-81.46	-63.07	7.14	12.70	H
	7578.27	-55.08	-25	-30.08	-81.78	-58.38	8.30	11.60	H
	10104.36	-52.10	-25	-27.10	-83.04	-53.62	10.48	12.00	H
	5052.18	-56.15	-25	-31.15	-81.43	-61.71	7.14	12.70	V
	7578.27	-54.98	-25	-29.98	-81.68	-58.28	8.30	11.60	V
	10104.36	-51.29	-25	-26.29	-83.21	-52.81	10.48	12.00	V

LTE Band 12 / 10MHz / QPSK Sample 1 & Monopole Antenna									
Channel	Frequency (MHz)	ERP (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	1406	-63.26	-13	-50.26	-74.52	-66.51	4.00	9.40	H
	2109	-60.80	-13	-47.80	-78.95	-64.37	4.88	10.60	H
	2812	-59.28	-13	-46.28	-78.72	-64.21	5.52	12.60	H
	1406	-64.62	-13	-51.62	-76.94	-67.87	4.00	9.40	V
	2109	-61.24	-13	-48.24	-79.18	-64.81	4.88	10.60	V
	2812	-59.05	-13	-46.05	-79.30	-63.98	5.52	12.60	V

LTE Band 13 / 5MHz / QPSK Sample 1 & Monopole Antenna									
Channel	Frequency (MHz)	ERP (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	1559.5	-64.30	-42.15	-22.15	-76.08	-67.55	4.00	9.40	H
	2339.25	-59.35	-13	-46.35	-77.96	-62.92	4.88	10.60	H
	3119	-59.00	-13	-46.00	-79.32	-63.93	5.52	12.60	H
	1559.5	-64.00	-42.15	-21.85	-76.40	-67.25	4.00	9.40	V
	2339.25	-58.10	-13	-45.10	-77.08	-61.67	4.88	10.60	V
	3119	-57.26	-13	-44.26	-79.38	-62.19	5.52	12.60	V



LTE Band 13 / 10MHz / QPSK Sample 1 & Monopole Antenna

Channel	Frequency (MHz)	ERP (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	1559.5	-65.46	-42.15	-23.31	-77.24	-68.71	4.00	9.40	H
	2339.25	-59.80	-13	-46.80	-78.41	-63.37	4.88	10.60	H
	3119	-59.18	-13	-46.18	-79.50	-64.11	5.52	12.60	H
	1559.5	-64.22	-42.15	-22.07	-76.62	-67.47	4.00	9.40	V
	2339.25	-59.44	-13	-46.44	-78.42	-63.01	4.88	10.60	V
	3119	-57.27	-13	-44.27	-79.39	-62.20	5.52	12.60	V

LTE Band 41 / 20MHz / QPSK Sample 1 & Monopole Antenna

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	5168.00	-57.16	-25	-32.16	-81.83	-62.72	7.14	12.70	H
	7752.00	-54.37	-25	-29.37	-80.60	-57.67	8.30	11.60	H
	10336.00	-52.16	-25	-27.16	-83.35	-53.68	10.48	12.00	H
	5168.00	-56.44	-25	-31.44	-81.61	-62.00	7.14	12.70	V
	7752.00	-51.73	-25	-26.73	-81.05	-55.03	8.30	11.60	V
	10336.00	-50.15	-25	-25.15	-83.09	-51.67	10.48	12.00	V

LTE Band 71 / 20MHz / QPSK Sample 1 & Monopole Antenna

Channel	Frequency (MHz)	ERP (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	1343	-63.69	-13	-50.69	-74.70	-66.94	4.00	9.40	H
	2014.5	-60.79	-13	-47.79	-78.50	-64.36	4.88	10.60	H
	2686	-59.68	-13	-46.68	-79.31	-64.61	5.52	12.60	H
	1343	-62.87	-13	-49.87	-74.83	-66.12	4.00	9.40	V
	2014.5	-60.74	-13	-47.74	-78.34	-64.31	4.88	10.60	V
	2686	-59.01	-13	-46.01	-79.10	-63.94	5.52	12.60	V

LTE Band 7C / 20MHz+20MH / QPSK Sample 1 & Monopole Antenna

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	5070.00	-57.11	-25	-32.11	-81.15	-62.67	7.14	12.70	H
	7605.00	-54.66	-25	-29.66	-81.25	-57.96	8.30	11.60	H
	10140.00	-51.61	-25	-26.61	-82.60	-53.13	10.48	12.00	H
	5070.00	-56.19	-25	-31.19	-81.44	-61.75	7.14	12.70	V
	7605.00	-54.70	-25	-29.70	-81.63	-58.00	8.30	11.60	V
	10140.00	-50.41	-25	-25.41	-82.5	-51.93	10.48	12.00	V



LTE Band 41C / 20MHz+20MH / QPSK Sample 1 & Monopole Antenna									
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	5148.20	-56.61	-25	-31.61	-81.16	-62.17	7.14	12.70	H
	7722.30	-55.11	-25	-30.11	-81.43	-58.41	8.30	11.60	H
	10296.40	-52.12	-25	-27.12	-83.28	-53.64	10.48	12.00	H
	5148.20	-56.17	-25	-31.17	-81.34	-61.73	7.14	12.70	V
	7722.30	-52.65	-25	-27.65	-81.36	-55.95	8.30	11.60	V
	10296.40	-50.87	-25	-25.87	-83.65	-52.39	10.48	12.00	V

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