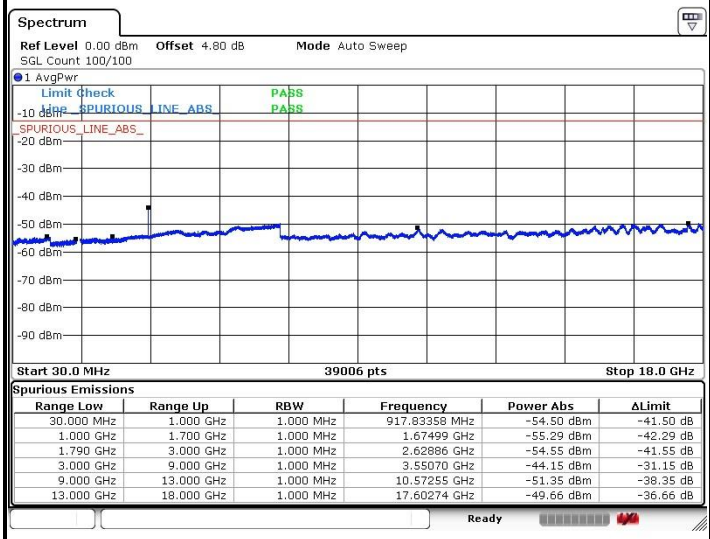
LTE Band 66 / 5MHz

Highest Channel / QPSK

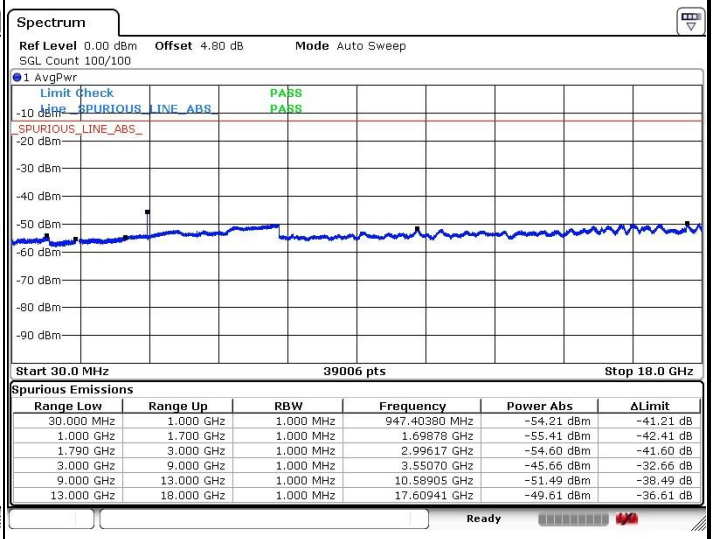


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.83358 MHz	-54.50 dBm	-41.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67499 GHz	-55.29 dBm	-42.29 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.62886 GHz	-54.55 dBm	-41.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.55070 GHz	-44.15 dBm	-31.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57255 GHz	-51.35 dBm	-38.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60274 GHz	-49.66 dBm	-36.66 dB

Date: 20.DEC.2016 23:07:35

Highest Channel / 16QAM



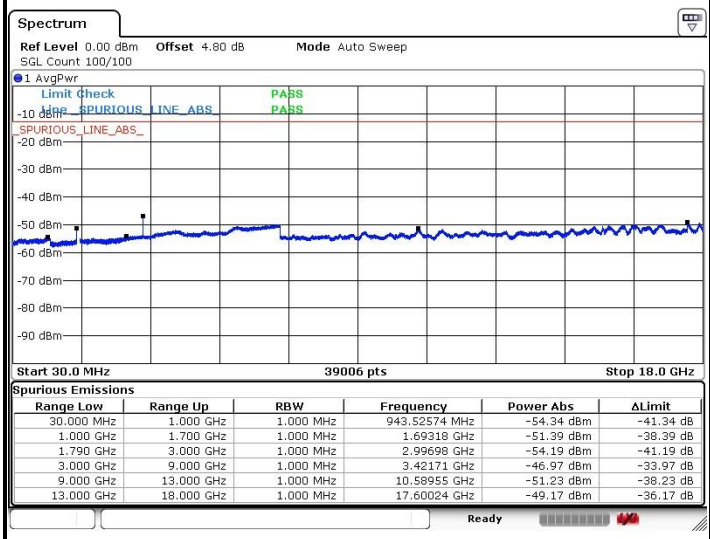
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-54.21 dBm	-41.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-55.41 dBm	-42.41 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99617 GHz	-54.60 dBm	-41.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.55070 GHz	-45.66 dBm	-32.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58905 GHz	-51.49 dBm	-38.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60941 GHz	-49.61 dBm	-36.61 dB

Date: 20.DEC.2016 23:06:38

LTE Band 66 / 10MHz

Lowest Channel / QPSK

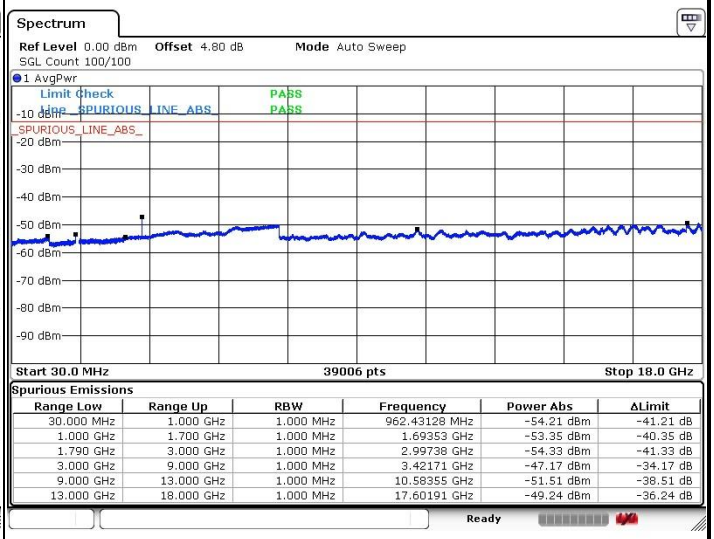


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-54.34 dBm	-41.34 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-51.39 dBm	-38.39 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99698 GHz	-54.19 dBm	-41.19 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42171 GHz	-46.97 dBm	-33.97 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58955 GHz	-51.23 dBm	-38.23 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60024 GHz	-49.17 dBm	-36.17 dB

Date: 21.DEC.2016 00:10:18

Lowest Channel / 16QAM



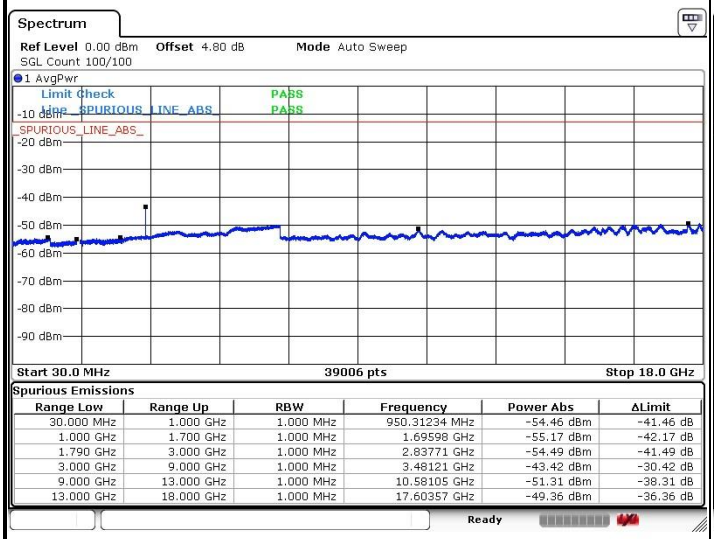
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.43128 MHz	-54.21 dBm	-41.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-53.35 dBm	-40.35 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99738 GHz	-54.33 dBm	-41.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42171 GHz	-47.17 dBm	-34.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58355 GHz	-51.51 dBm	-38.51 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60191 GHz	-49.24 dBm	-36.24 dB

Date: 21.DEC.2016 00:11:04

LTE Band 66 / 10MHz

Middle Channel / QPSK

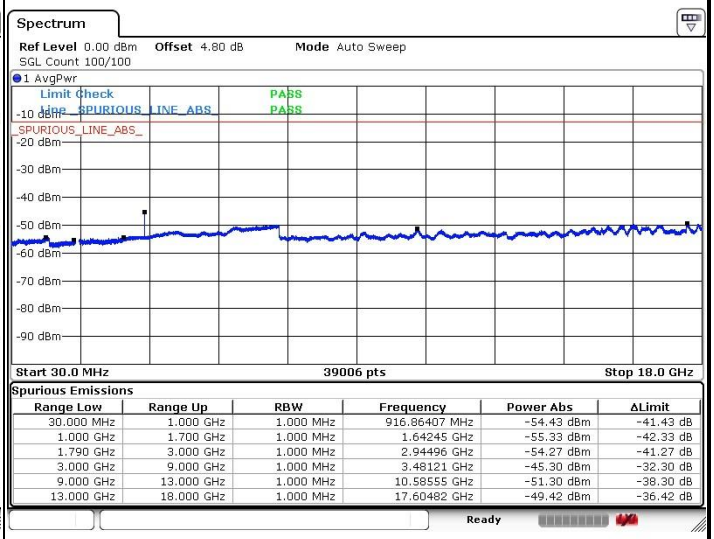


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-54.46 dBm	-41.46 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69598 GHz	-55.17 dBm	-42.17 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.83771 GHz	-54.49 dBm	-41.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48121 GHz	-43.42 dBm	-30.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58105 GHz	-51.31 dBm	-38.31 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60357 GHz	-49.36 dBm	-36.36 dB

Date: 21.DEC.2016 00:09:24

Middle Channel / 16QAM

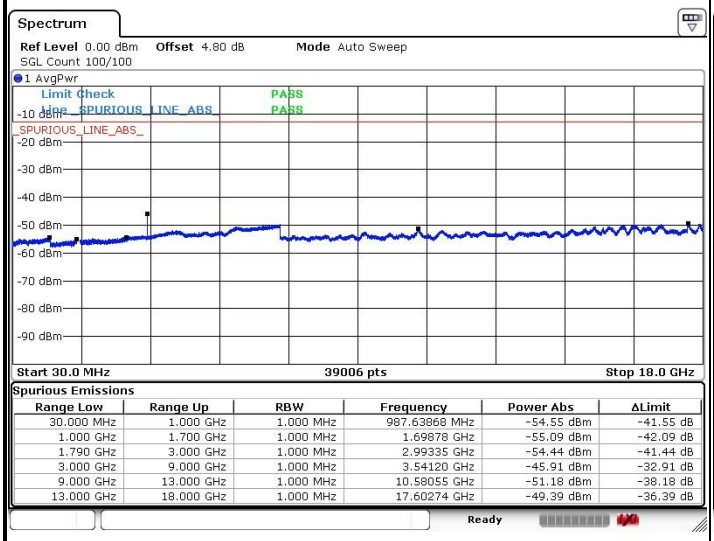


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.86407 MHz	-54.43 dBm	-41.43 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64245 GHz	-55.33 dBm	-42.33 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.94496 GHz	-54.27 dBm	-41.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48121 GHz	-45.30 dBm	-32.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58555 GHz	-51.30 dBm	-38.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60482 GHz	-49.42 dBm	-36.42 dB

Date: 21.DEC.2016 00:08:34

Highest Channel / QPSK

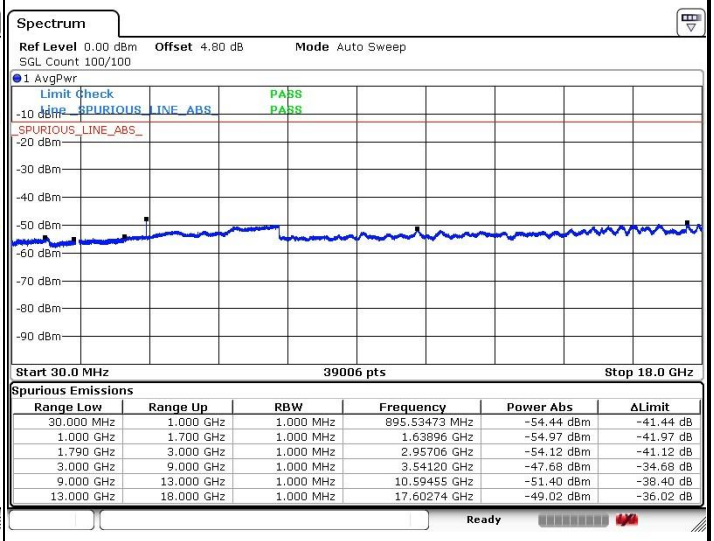


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.63868 MHz	-54.55 dBm	-41.55 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-55.09 dBm	-42.09 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99335 GHz	-54.44 dBm	-41.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.54120 GHz	-45.91 dBm	-32.91 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58055 GHz	-51.18 dBm	-38.18 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60274 GHz	-49.39 dBm	-36.39 dB

Date: 21.DEC.2016 00:05:32

Highest Channel / 16QAM



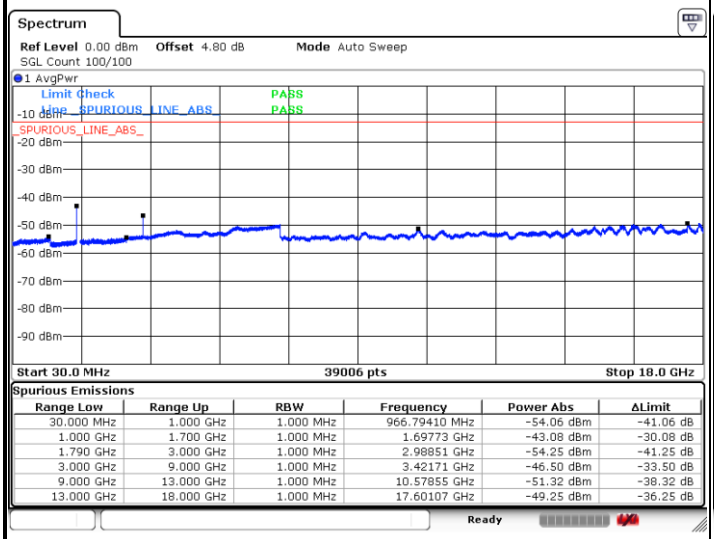
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	895.53473 MHz	-54.44 dBm	-41.44 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63896 GHz	-54.97 dBm	-41.97 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.95706 GHz	-54.12 dBm	-41.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.54120 GHz	-47.68 dBm	-34.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59455 GHz	-51.40 dBm	-38.40 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60274 GHz	-49.02 dBm	-36.02 dB

Date: 21.DEC.2016 00:06:54

LTE Band 66 / 15MHz

Lowest Channel / QPSK

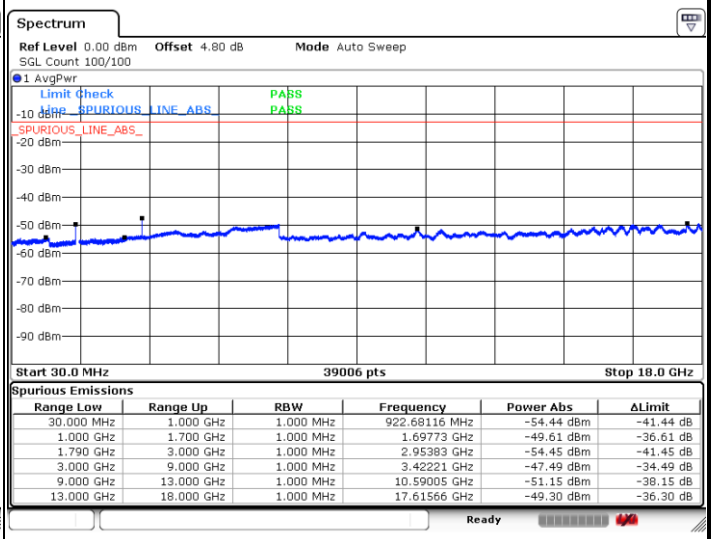


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-54.06 dBm	-41.06 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-43.08 dBm	-30.08 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.98851 GHz	-54.25 dBm	-41.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42171 GHz	-46.50 dBm	-33.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57855 GHz	-51.32 dBm	-38.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60107 GHz	-49.25 dBm	-36.25 dB

Date: 21.DEC.2016 01:09:34

Lowest Channel / 16QAM

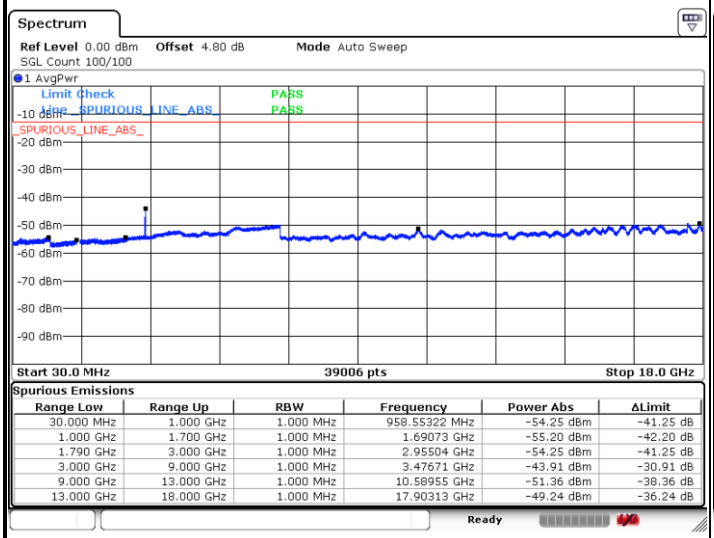


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.68116 MHz	-54.44 dBm	-41.44 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-49.61 dBm	-36.61 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.95383 GHz	-54.45 dBm	-41.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42221 GHz	-47.49 dBm	-34.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59005 GHz	-51.15 dBm	-38.15 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.61566 GHz	-49.30 dBm	-36.30 dB

Date: 21.DEC.2016 01:07:44

Middle Channel / QPSK

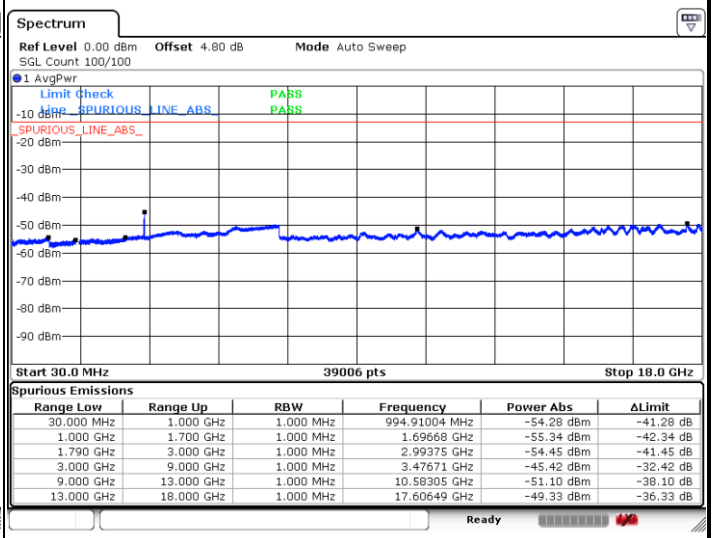


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-54.25 dBm	-41.25 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69073 GHz	-55.20 dBm	-42.20 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.95504 GHz	-54.25 dBm	-41.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47671 GHz	-43.91 dBm	-30.91 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58955 GHz	-51.36 dBm	-38.36 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.90313 GHz	-49.24 dBm	-36.24 dB

Date: 21.DEC.2016 01:11:02

Middle Channel / 16QAM



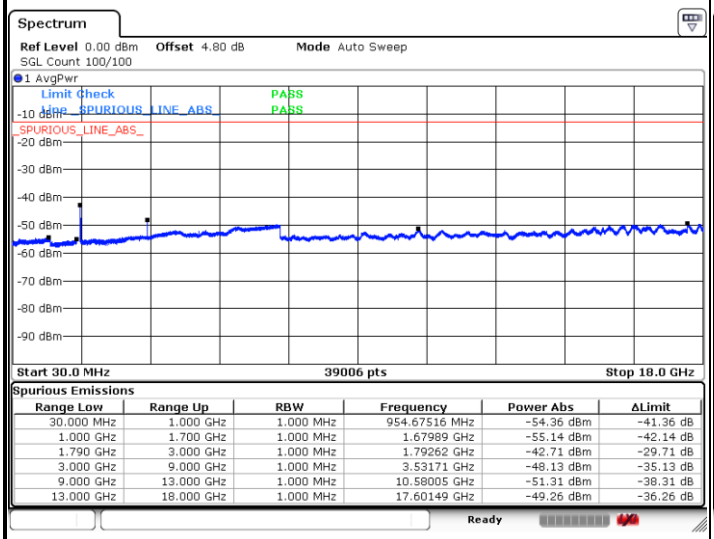
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-54.28 dBm	-41.28 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69668 GHz	-55.34 dBm	-42.34 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99375 GHz	-54.45 dBm	-41.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47671 GHz	-45.42 dBm	-32.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58305 GHz	-51.10 dBm	-38.10 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60649 GHz	-49.33 dBm	-36.33 dB

Date: 21.DEC.2016 01:11:58

LTE Band 66 / 15MHz

Highest Channel / QPSK

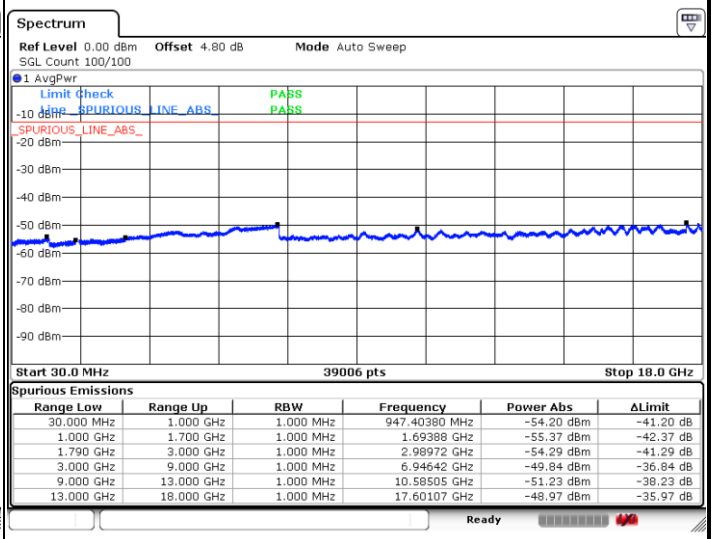


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-54.36 dBm	-41.36 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67989 GHz	-55.14 dBm	-42.14 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79262 GHz	-42.71 dBm	-29.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.53171 GHz	-48.13 dBm	-35.13 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58005 GHz	-51.31 dBm	-38.31 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60149 GHz	-49.26 dBm	-36.26 dB

Date: 21.DEC.2016 01:14:50

Highest Channel / 16QAM



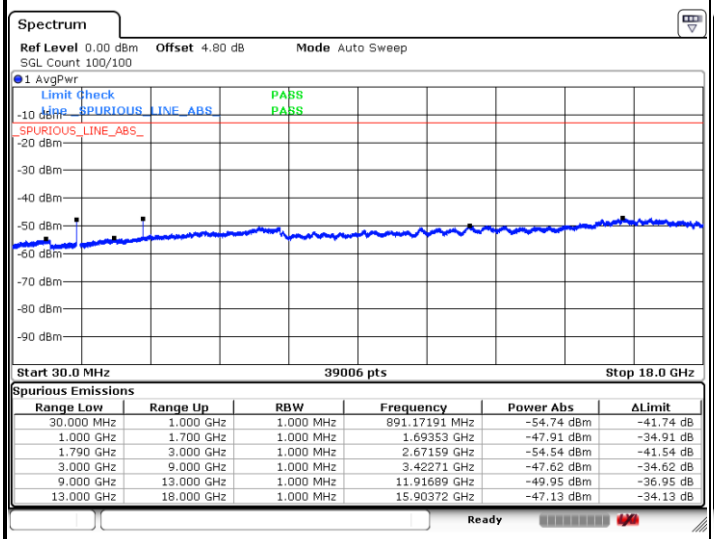
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-54.20 dBm	-41.20 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69388 GHz	-55.37 dBm	-42.37 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.98972 GHz	-54.29 dBm	-41.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94642 GHz	-49.84 dBm	-36.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58505 GHz	-51.23 dBm	-38.23 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60107 GHz	-48.97 dBm	-35.97 dB

Date: 21.DEC.2016 01:13:19

LTE Band 66 / 20MHz

Lowest Channel / QPSK

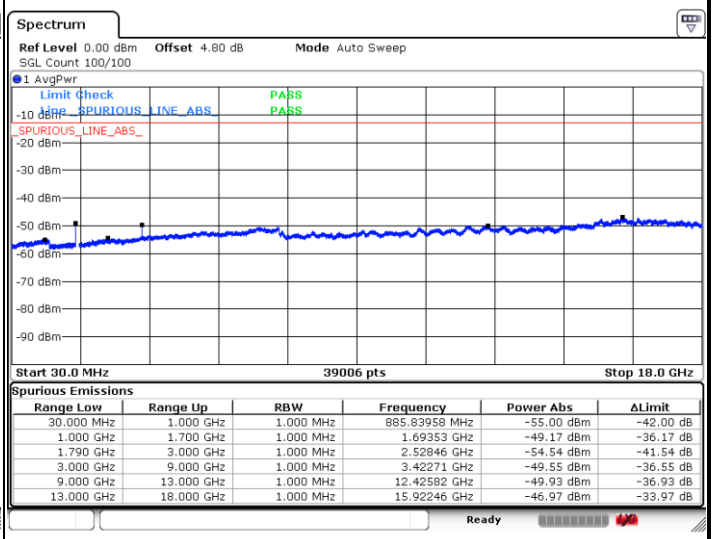


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	891.17191 MHz	-54.74 dBm	-41.74 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-47.91 dBm	-34.91 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.67159 GHz	-54.54 dBm	-41.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42271 GHz	-47.62 dBm	-34.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.91689 GHz	-49.95 dBm	-36.95 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.90372 GHz	-47.13 dBm	-34.13 dB

Date: 21.DEC.2016 02:37:13

Lowest Channel / 16QAM



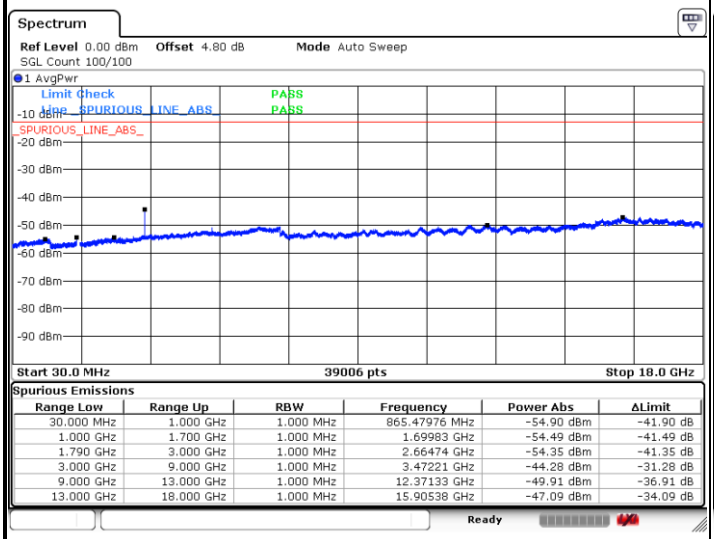
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	885.83958 MHz	-55.00 dBm	-42.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-49.17 dBm	-36.17 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.52846 GHz	-54.54 dBm	-41.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42271 GHz	-49.55 dBm	-36.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.42582 GHz	-49.93 dBm	-36.93 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.92246 GHz	-46.97 dBm	-33.97 dB

Date: 21.DEC.2016 02:36:11

LTE Band 66 / 20MHz

Middle Channel / QPSK

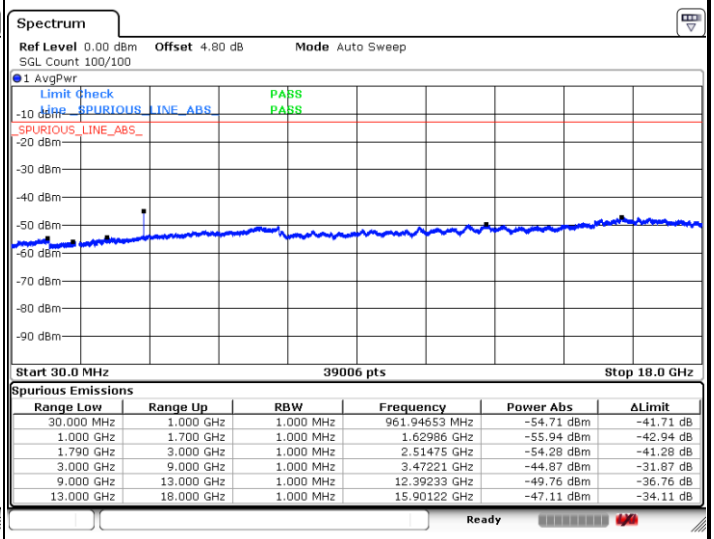


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	865.47976 MHz	-54.90 dBm	-41.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.49 dBm	-41.49 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.66474 GHz	-54.35 dBm	-41.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-44.28 dBm	-31.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37133 GHz	-49.91 dBm	-36.91 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.90538 GHz	-47.09 dBm	-34.09 dB

Date: 21.DEC.2016 02:39:18

Middle Channel / 16QAM

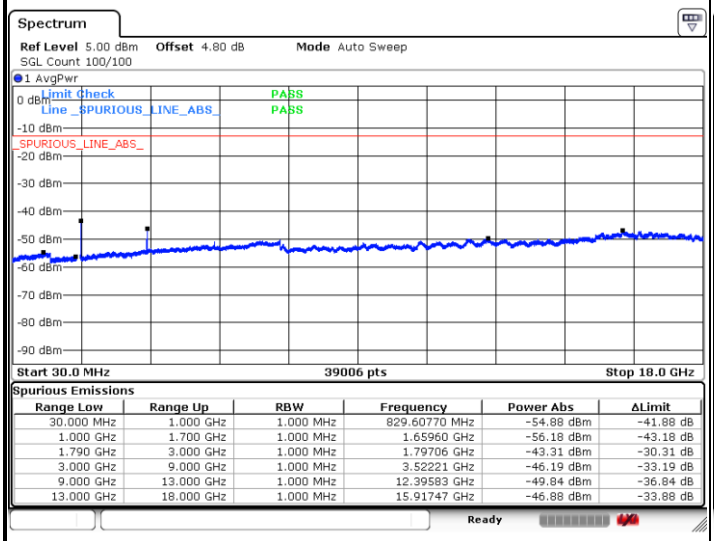


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-54.71 dBm	-41.71 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62986 GHz	-55.94 dBm	-42.94 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.51475 GHz	-54.28 dBm	-41.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-44.87 dBm	-31.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.39233 GHz	-49.76 dBm	-36.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.90122 GHz	-47.11 dBm	-34.11 dB

Date: 21.DEC.2016 02:40:20

Highest Channel / QPSK

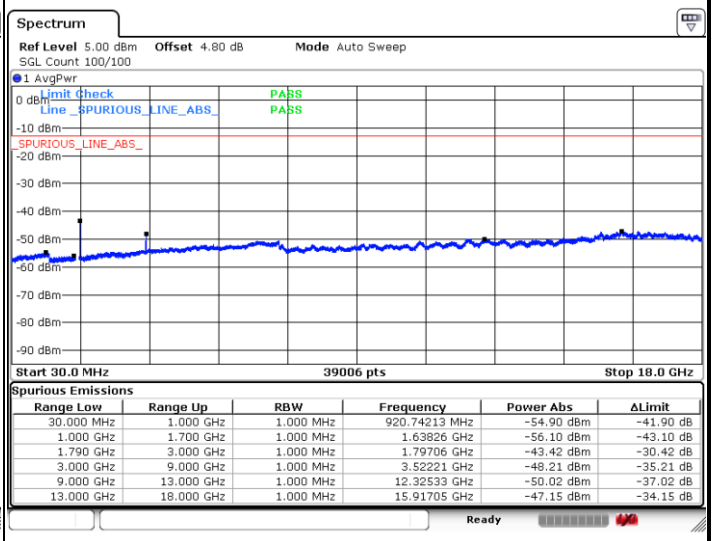


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	829.60770 MHz	-54.88 dBm	-41.88 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65960 GHz	-56.18 dBm	-43.18 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79706 GHz	-43.31 dBm	-30.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.52221 GHz	-46.19 dBm	-33.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.39583 GHz	-49.84 dBm	-36.84 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.91747 GHz	-46.88 dBm	-33.88 dB

Date: 21.DEC.2016 02:44:21

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-54.90 dBm	-41.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63826 GHz	-56.10 dBm	-43.10 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79706 GHz	-43.42 dBm	-30.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.52221 GHz	-48.21 dBm	-35.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.32533 GHz	-50.02 dBm	-37.02 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.91705 GHz	-47.15 dBm	-34.15 dB

Date: 21.DEC.2016 02:43:29

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 4 / 1.4MHz / 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	3464	-65.19	-13	-52.19	-71.98	-70.08	1.81	6.70	H
	5196	-61.85	-13	-48.85	-74.53	-68.75	2.23	9.13	H
	6930	-61.09	-13	-48.09	-76.27	-69.15	2.60	10.66	H
	3464	-67.55	-13	-54.55	-72.75	-72.44	1.81	6.70	V
	5196	-61.09	-13	-48.09	-74.64	-67.99	2.23	9.13	V
	6930	-60.83	-13	-47.83	-75.88	-68.89	2.6	10.66	V

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

LTE Band 7 / 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	5061	-64.51	-25	-39.51	-73.73	-71.07	2.41	8.97	H
	7592	-61.43	-25	-36.43	-75.13	-70.43	2.86	11.86	H
	10122	-58.87	-25	-33.87	-77.22	-67.77	3.21	12.11	H
	5061	-65.84	-25	-40.84	-74.55	-72.40	2.41	8.97	V
	7592	-61.04	-25	-36.04	-75.67	-70.04	2.86	11.86	V
	10122	-56.79	-25	-31.79	-76.19	-65.69	3.21	12.11	V

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

LTE Band 66 / 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)
Middle	3486	-65.80	-13	-52.80	-72.59	-70.69	1.81	6.70	H
	5228.52	-62.32	-13	-49.32	-75.00	-69.22	2.23	9.13	H
	6971.36	-60.86	-13	-47.86	-76.04	-68.92	2.60	10.66	H
	3486	-67.45	-13	-54.45	-72.65	-72.34	1.81	6.70	V
	5228.52	-61.20	-13	-48.20	-74.75	-68.10	2.23	9.13	V
	6971.36	-60.76	-13	-47.76	-75.81	-68.82	2.6	10.66	V

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

Appendix D. Product Equality Declaration

Appendix E. Original Report

Please refer to Sporton report number FG6O1212B which is issued separately.