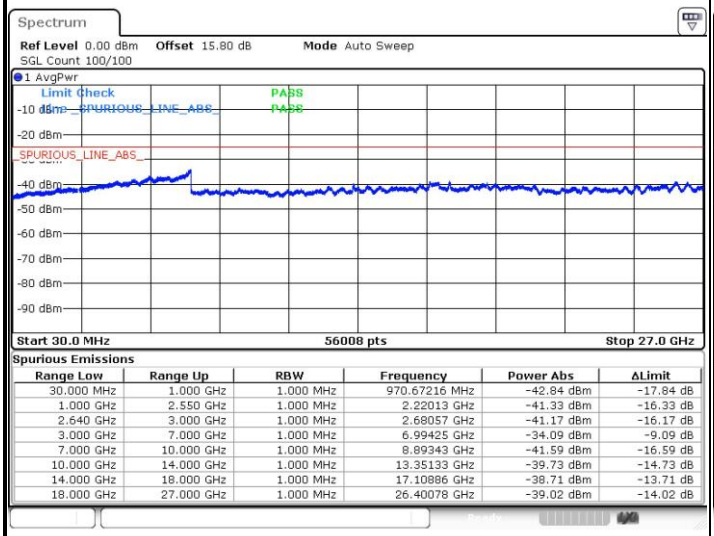
LTE Band 38 / 15MHz

Highest Channel / QPSK

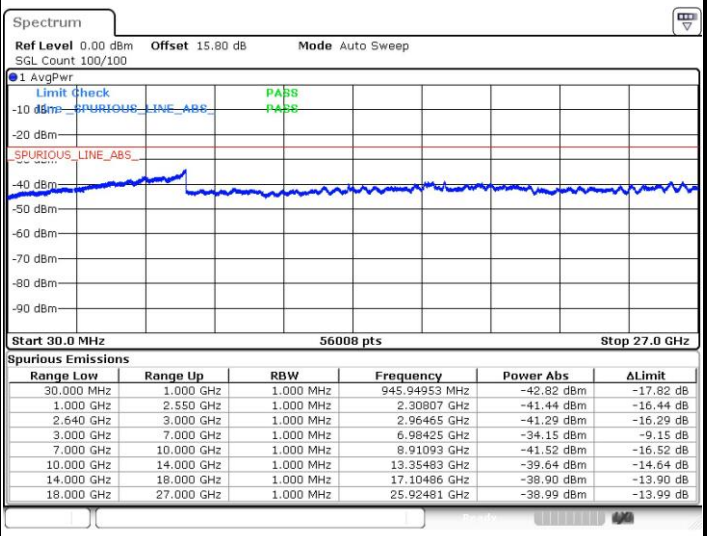


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.67216 MHz	-42.84 dBm	-17.84 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.22013 GHz	-41.33 dBm	-16.33 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.68057 GHz	-41.17 dBm	-16.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-34.09 dBm	-9.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.89343 GHz	-41.59 dBm	-16.59 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35133 GHz	-39.73 dBm	-14.73 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10886 GHz	-38.71 dBm	-13.71 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.40078 GHz	-39.02 dBm	-14.02 dB

Date: 22.AUG.2019 07:07:51

Highest Channel / 16QAM



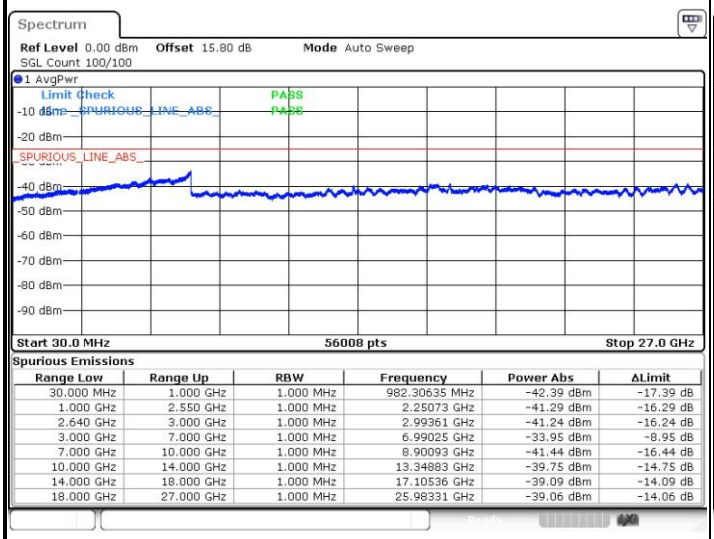
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.94953 MHz	-42.82 dBm	-17.82 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.30807 GHz	-41.44 dBm	-16.44 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.96465 GHz	-41.29 dBm	-16.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98425 GHz	-34.15 dBm	-9.15 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91093 GHz	-41.52 dBm	-16.52 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35483 GHz	-39.64 dBm	-14.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10486 GHz	-38.90 dBm	-13.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.92481 GHz	-38.99 dBm	-13.99 dB

Date: 22.AUG.2019 07:09:14

LTE Band 38 / 20MHz

Lowest Channel / QPSK

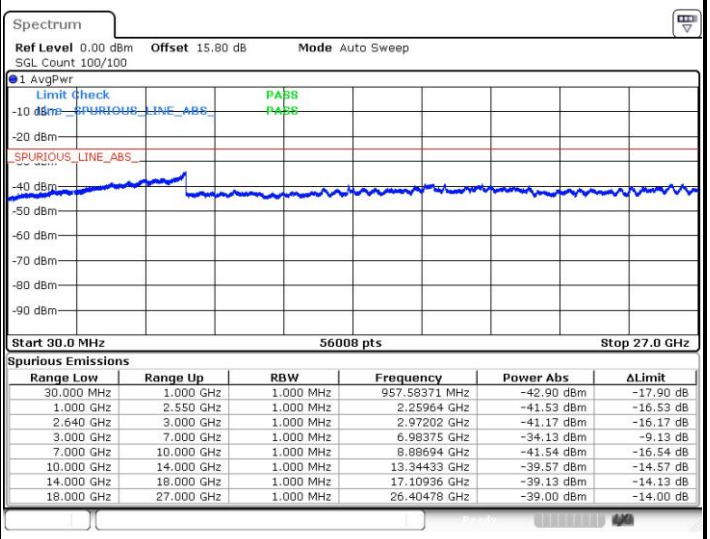


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-42.39 dBm	-17.39 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.25073 GHz	-41.29 dBm	-16.29 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99361 GHz	-41.24 dBm	-16.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-33.95 dBm	-8.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.90093 GHz	-41.44 dBm	-16.44 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34883 GHz	-39.75 dBm	-14.75 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10536 GHz	-39.09 dBm	-14.09 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.98331 GHz	-39.06 dBm	-14.06 dB

Date: 22.AUG.2019 07:14:48

Lowest Channel / 16QAM



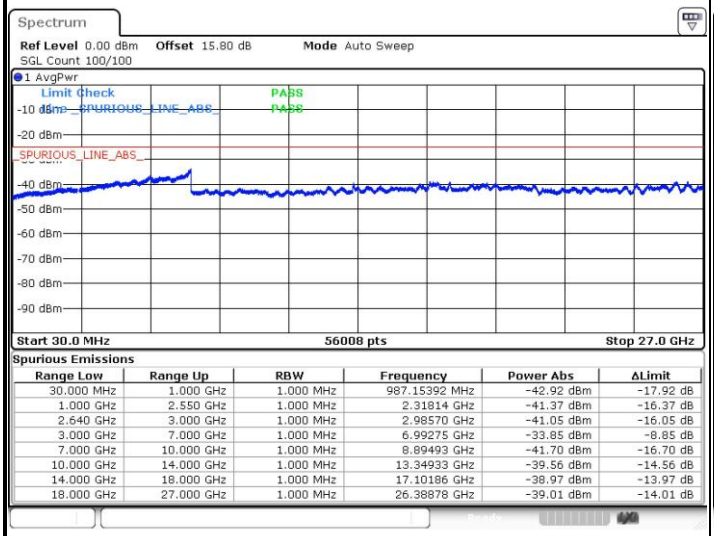
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.58371 MHz	-42.90 dBm	-17.90 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.25964 GHz	-41.53 dBm	-16.53 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97202 GHz	-41.17 dBm	-16.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-34.13 dBm	-9.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.88694 GHz	-41.54 dBm	-16.54 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34433 GHz	-39.57 dBm	-14.57 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10936 GHz	-39.13 dBm	-14.13 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.40478 GHz	-39.00 dBm	-14.00 dB

Date: 22.AUG.2019 07:16:11

LTE Band 38 / 20MHz

Middle Channel / QPSK

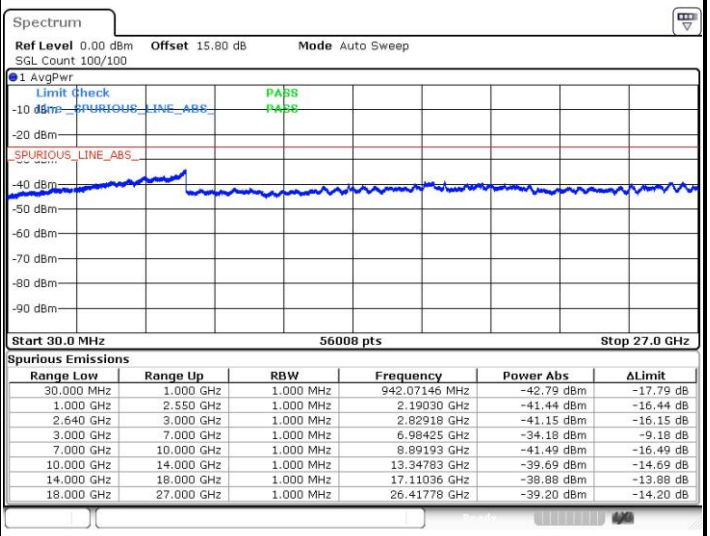


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-42.92 dBm	-17.92 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.31814 GHz	-41.37 dBm	-16.37 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98570 GHz	-41.05 dBm	-16.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-33.85 dBm	-8.85 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.89493 GHz	-41.70 dBm	-16.70 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34933 GHz	-39.56 dBm	-14.56 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10186 GHz	-38.97 dBm	-13.97 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.38878 GHz	-39.01 dBm	-14.01 dB

Date: 22.AUG.2019 07:17:34

Middle Channel / 16QAM

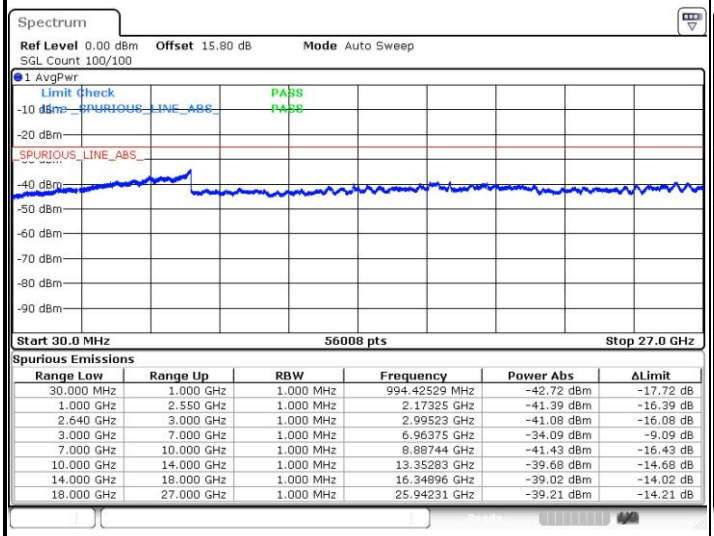


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-42.79 dBm	-17.79 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.19030 GHz	-41.44 dBm	-16.44 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82918 GHz	-41.15 dBm	-16.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98425 GHz	-34.18 dBm	-9.18 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.89193 GHz	-41.49 dBm	-16.49 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34783 GHz	-39.69 dBm	-14.69 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.11036 GHz	-38.88 dBm	-13.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.41778 GHz	-39.20 dBm	-14.20 dB

Date: 22.AUG.2019 07:18:57

Highest Channel / QPSK

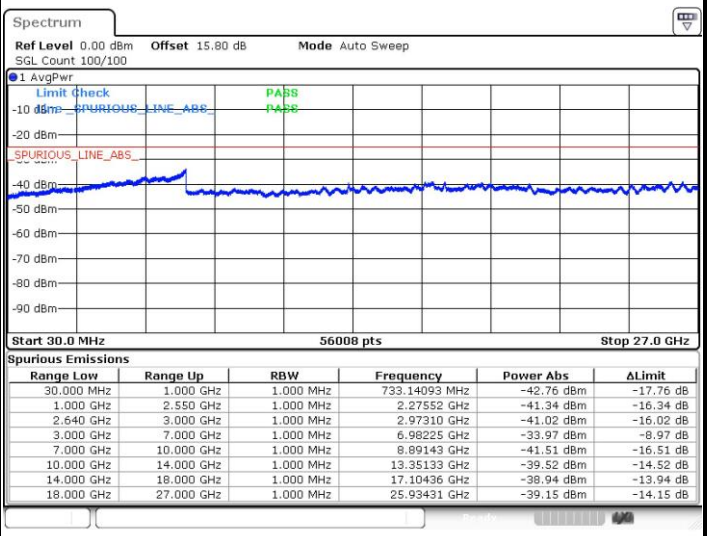


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-42.72 dBm	-17.72 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.17325 GHz	-41.39 dBm	-16.39 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99523 GHz	-41.08 dBm	-16.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96375 GHz	-34.09 dBm	-9.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.88744 GHz	-41.43 dBm	-16.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35283 GHz	-39.68 dBm	-14.68 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34896 GHz	-39.02 dBm	-14.02 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.94231 GHz	-39.21 dBm	-14.21 dB

Date: 22.AUG.2019 07:20:20

Highest Channel / 16QAM



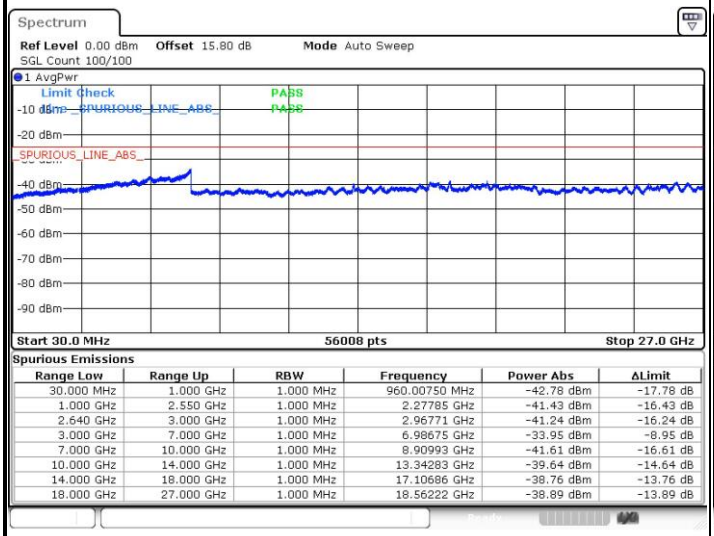
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	733.14093 MHz	-42.76 dBm	-17.76 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.27552 GHz	-41.34 dBm	-16.34 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97310 GHz	-41.02 dBm	-16.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-33.97 dBm	-8.97 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.89143 GHz	-41.51 dBm	-16.51 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35133 GHz	-39.52 dBm	-14.52 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10436 GHz	-38.94 dBm	-13.94 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.93431 GHz	-39.15 dBm	-14.15 dB

Date: 22.AUG.2019 07:21:44

LTE Band 38 / 5MHz

Lowest Channel / 64QAM

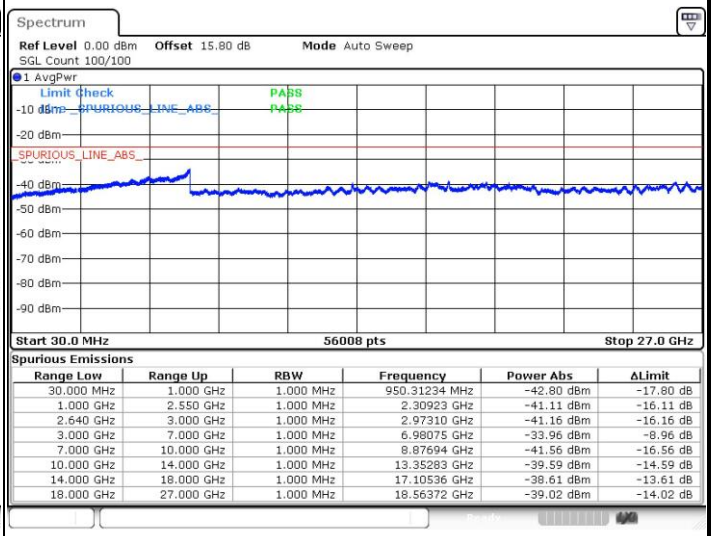


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-42.78 dBm	-17.78 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.27785 GHz	-41.43 dBm	-16.43 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.96771 GHz	-41.24 dBm	-16.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-33.95 dBm	-8.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.90993 GHz	-41.61 dBm	-16.61 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34283 GHz	-39.64 dBm	-14.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10686 GHz	-38.76 dBm	-13.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.56222 GHz	-38.89 dBm	-13.89 dB

Date: 22.AUG.2019 02:23:12

Middle Channel / 64QAM

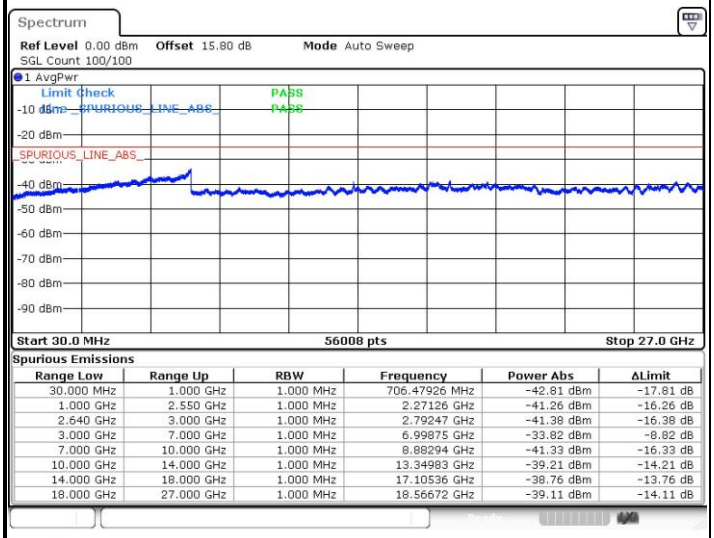


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-42.80 dBm	-17.80 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.30923 GHz	-41.11 dBm	-16.11 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97310 GHz	-41.16 dBm	-16.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-33.96 dBm	-8.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.87694 GHz	-41.56 dBm	-16.56 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35283 GHz	-39.59 dBm	-14.59 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10536 GHz	-38.61 dBm	-13.61 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.56372 GHz	-39.02 dBm	-14.02 dB

Date: 22.AUG.2019 02:24:35

Highest Channel / 64QAM



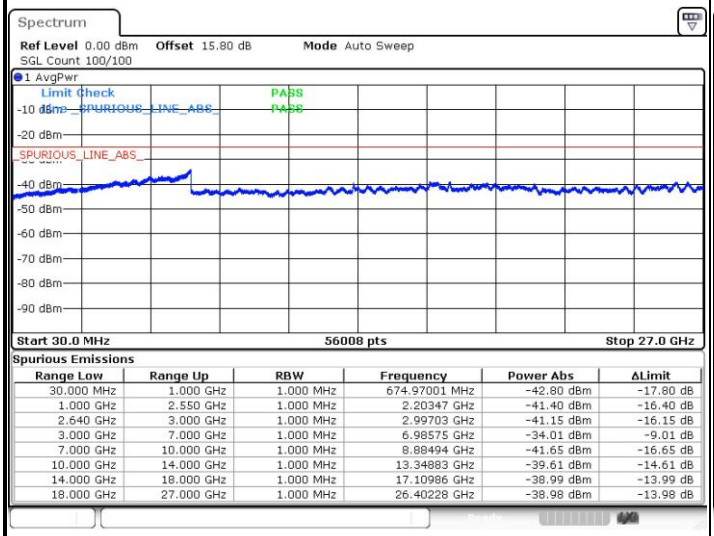
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	706.47926 MHz	-42.81 dBm	-17.81 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.27126 GHz	-41.26 dBm	-16.26 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.79247 GHz	-41.38 dBm	-16.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-33.82 dBm	-8.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.88294 GHz	-41.33 dBm	-16.33 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34983 GHz	-39.21 dBm	-14.21 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10536 GHz	-38.76 dBm	-13.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.56672 GHz	-39.11 dBm	-14.11 dB

Date: 22.AUG.2019 02:25:58

LTE Band 38 / 10MHz

Lowest Channel / 64QAM

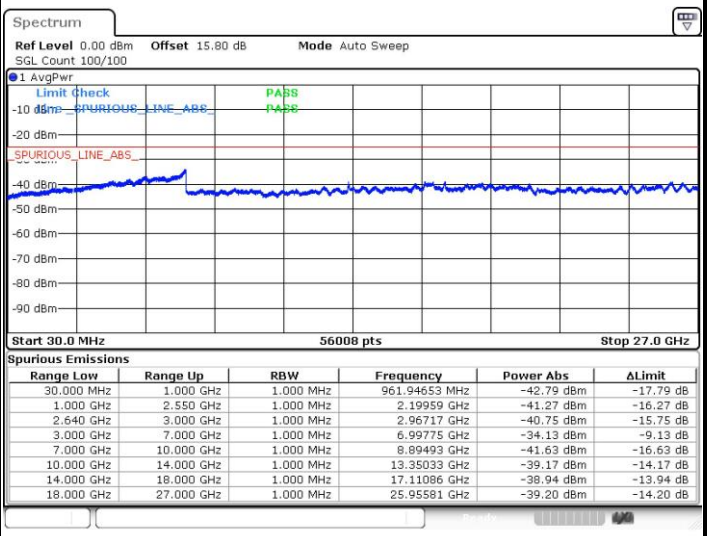


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	674.97001 MHz	-42.80 dBm	-17.80 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.20347 GHz	-41.40 dBm	-16.40 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99703 GHz	-41.15 dBm	-16.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-34.01 dBm	-9.01 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.88494 GHz	-41.65 dBm	-16.65 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34883 GHz	-39.61 dBm	-14.61 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10986 GHz	-38.99 dBm	-13.99 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.40228 GHz	-38.98 dBm	-13.98 dB

Date: 22.AUG.2019 02:35:40

Middle Channel / 64QAM

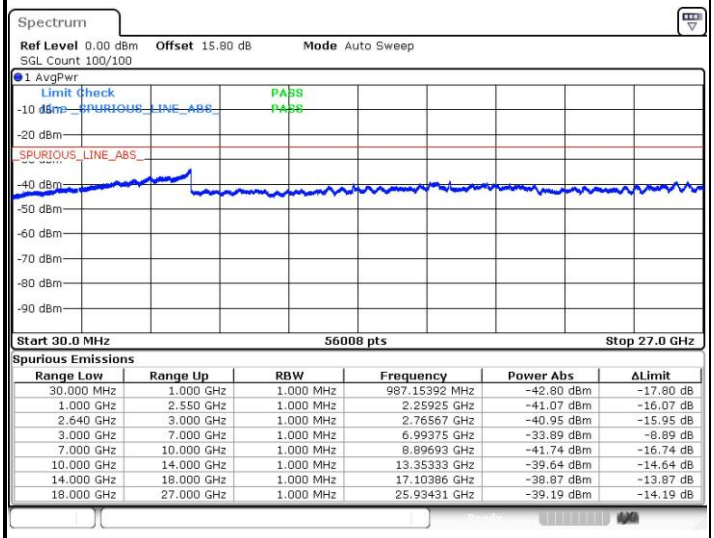


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-42.79 dBm	-17.79 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.19959 GHz	-41.27 dBm	-16.27 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.96717 GHz	-40.75 dBm	-15.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-34.13 dBm	-9.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.89493 GHz	-41.63 dBm	-16.63 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35033 GHz	-39.17 dBm	-14.17 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.11086 GHz	-38.94 dBm	-13.94 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.95581 GHz	-39.20 dBm	-14.20 dB

Date: 22.AUG.2019 02:37:03

Highest Channel / 64QAM



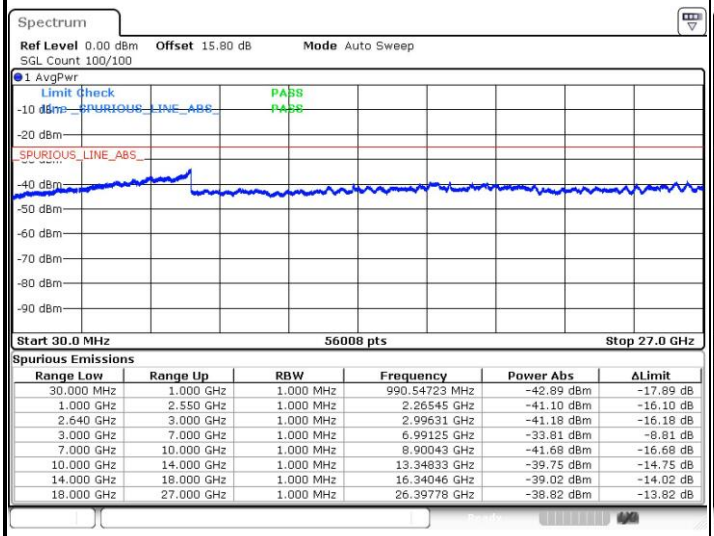
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-42.80 dBm	-17.80 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.25925 GHz	-41.07 dBm	-16.07 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.76567 GHz	-40.95 dBm	-15.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-33.89 dBm	-8.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.89693 GHz	-41.74 dBm	-16.74 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35333 GHz	-39.64 dBm	-14.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10386 GHz	-38.87 dBm	-13.87 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.93431 GHz	-39.19 dBm	-14.19 dB

Date: 22.AUG.2019 02:38:26

LTE Band 38 / 15MHz

Lowest Channel / 64QAM

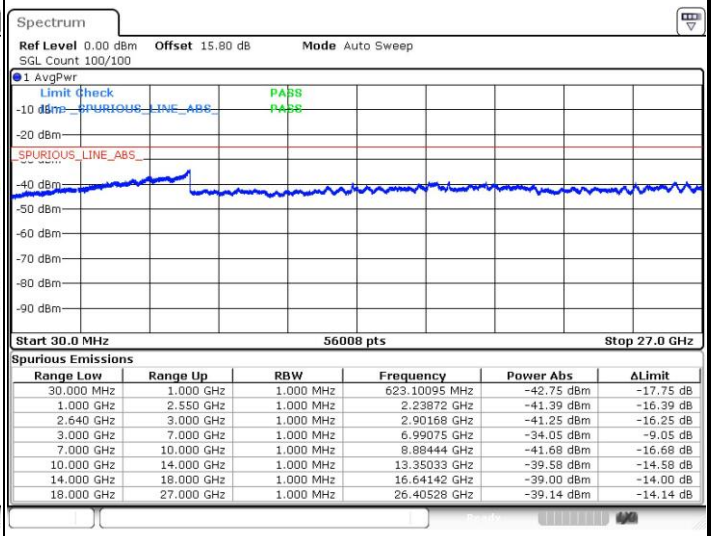


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-42.89 dBm	-17.89 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.26545 GHz	-41.10 dBm	-16.10 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99631 GHz	-41.18 dBm	-16.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-33.81 dBm	-8.81 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.90043 GHz	-41.68 dBm	-16.68 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34833 GHz	-39.75 dBm	-14.75 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34046 GHz	-39.02 dBm	-14.02 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.39778 GHz	-38.82 dBm	-13.82 dB

Date: 22.AUG.2019 07:10:38

Middle Channel / 64QAM

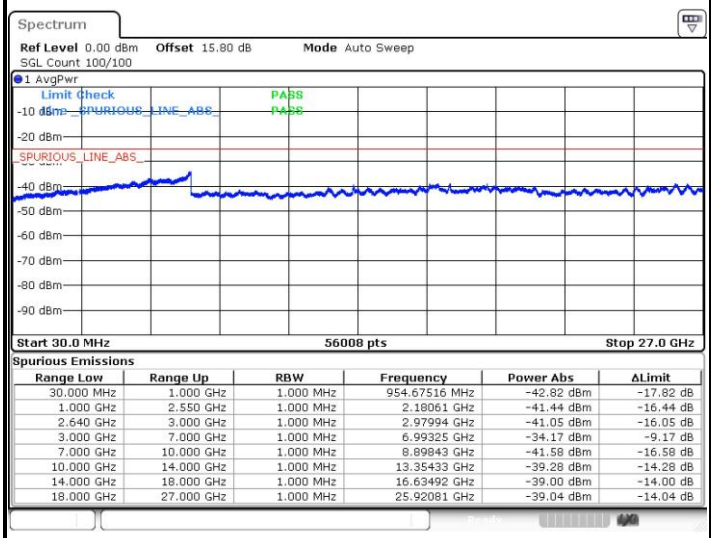


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	623.10095 MHz	-42.75 dBm	-17.75 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.23872 GHz	-41.39 dBm	-16.39 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.90168 GHz	-41.25 dBm	-16.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-34.05 dBm	-9.05 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.88444 GHz	-41.68 dBm	-16.68 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35033 GHz	-39.58 dBm	-14.58 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.64142 GHz	-39.00 dBm	-14.00 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.40528 GHz	-39.14 dBm	-14.14 dB

Date: 22.AUG.2019 07:12:01

Highest Channel / 64QAM



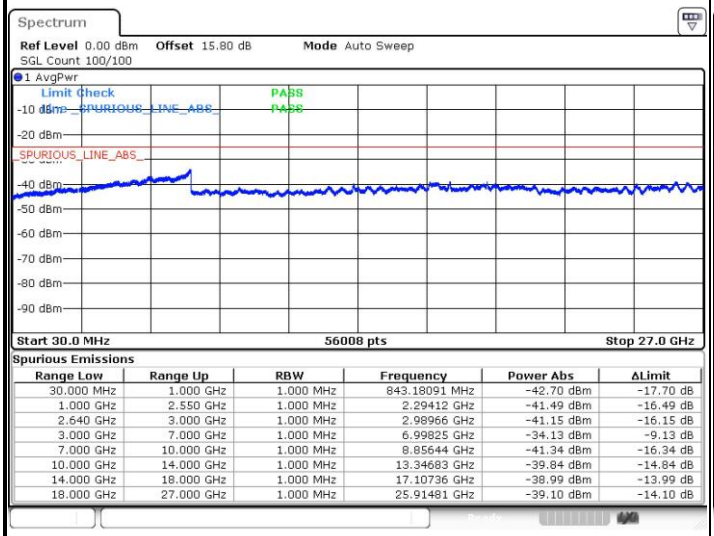
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-42.82 dBm	-17.82 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.18061 GHz	-41.44 dBm	-16.44 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97994 GHz	-41.05 dBm	-16.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-34.17 dBm	-9.17 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.89843 GHz	-41.58 dBm	-16.58 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35433 GHz	-39.28 dBm	-14.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.63492 GHz	-39.00 dBm	-14.00 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.92081 GHz	-39.04 dBm	-14.04 dB

Date: 22.AUG.2019 07:13:24

LTE Band 38 / 20MHz

Lowest Channel / 64QAM

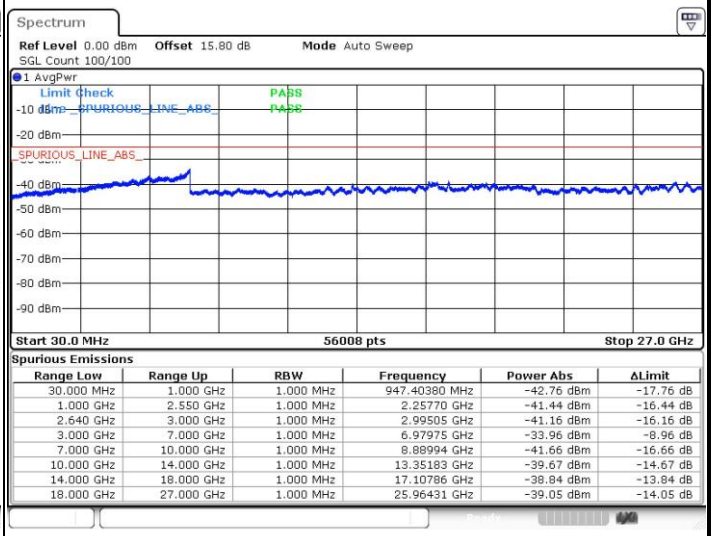


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	843.18091 MHz	-42.70 dBm	-17.70 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.29412 GHz	-41.49 dBm	-16.49 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98966 GHz	-41.15 dBm	-16.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-34.13 dBm	-9.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.85644 GHz	-41.34 dBm	-16.34 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.34683 GHz	-39.84 dBm	-14.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10736 GHz	-38.99 dBm	-13.99 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.91481 GHz	-39.10 dBm	-14.10 dB

Date: 22.AUG.2019 07:23:07

Middle Channel / 64QAM

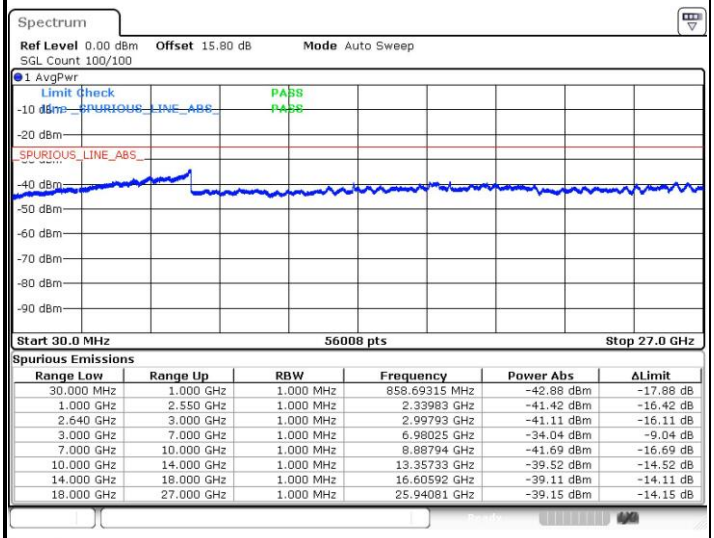


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-42.76 dBm	-17.76 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.25770 GHz	-41.44 dBm	-16.44 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99505 GHz	-41.16 dBm	-16.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97975 GHz	-33.96 dBm	-8.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.88994 GHz	-41.66 dBm	-16.66 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35183 GHz	-39.67 dBm	-14.67 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.10786 GHz	-38.84 dBm	-13.84 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.96431 GHz	-39.05 dBm	-14.05 dB

Date: 22.AUG.2019 07:24:30

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	858.69315 MHz	-42.88 dBm	-17.88 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.33983 GHz	-41.42 dBm	-16.42 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99793 GHz	-41.11 dBm	-16.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98025 GHz	-34.04 dBm	-9.04 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.88794 GHz	-41.69 dBm	-16.69 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35733 GHz	-39.52 dBm	-14.52 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.60592 GHz	-39.11 dBm	-14.11 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.94081 GHz	-39.15 dBm	-14.15 dB

Date: 22.AUG.2019 07:25:53

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0039	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.9 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of EIRP and Radiated Test

EIRP

LTE Band 38 / 5MHz (Peak) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.77	0.1892	16.77	0.0475
Middle		1	0	22.78	0.1897	16.78	0.0476
Highest		1	0	22.78	0.1897	16.78	0.0476
Lowest	16QAM	1	0	21.70	0.1479	15.70	0.0372
Middle		1	0	21.85	0.1531	15.85	0.0385
Highest		1	0	21.83	0.1524	15.83	0.0383
Lowest	64QAM	1	0	20.67	0.1167	14.67	0.0293
Middle		1	0	20.79	0.1199	14.79	0.0301
Highest		1	0	20.82	0.1208	14.82	0.0303
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.79	0.1901	16.79	0.0478
Middle		1	0	22.79	0.1901	16.79	0.0478
Highest		1	0	22.71	0.1866	16.71	0.0469
Lowest	16QAM	1	0	21.70	0.1479	15.70	0.0372
Middle		1	0	21.85	0.1531	15.85	0.0385
Highest		1	0	21.80	0.1514	15.80	0.0380
Lowest	64QAM	1	25	20.57	0.1140	14.57	0.0286
Middle		1	25	20.67	0.1167	14.67	0.0293
Highest		1	25	20.83	0.1211	14.83	0.0304
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.74	0.1879	16.74	0.0472
Middle		1	0	22.73	0.1875	16.73	0.0471
Highest		1	0	22.75	0.1884	16.75	0.0473
Lowest	16QAM	1	0	21.64	0.1459	15.64	0.0366
Middle		1	0	21.67	0.1469	15.67	0.0369
Highest		1	0	21.85	0.1531	15.85	0.0385
Lowest	64QAM	1	74	20.61	0.1151	14.61	0.0289
Middle		1	74	20.70	0.1175	14.70	0.0295
Highest		1	74	20.92	0.1236	14.92	0.0310
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 20MHz (Peak) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.74	0.1879	16.74	0.0472
Middle		1	0	22.83	0.1920	16.83	0.0482
Highest		1	0	22.73	0.1875	16.73	0.0471
Lowest	16QAM	1	49	21.57	0.1435	15.57	0.0361
Middle		1	49	21.82	0.1521	15.82	0.0382
Highest		1	49	21.69	0.1476	15.69	0.0371
Lowest	64QAM	1	99	20.63	0.1156	14.63	0.0290
Middle		1	99	20.66	0.1164	14.66	0.0292
Highest		1	99	20.88	0.1225	14.88	0.0308
Limit	EIRP < 2W			Result		PASS	

Radiated Spurious Emission

<Open Mode>

LTE Band 38

LTE Band 38 / 20MHz / QPSK									
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	5140	-53.62	-25	-28.62	-77.59	-60.9	2.42	9.70	H
	7716	-45.87	-25	-20.87	-73.45	-55.44	2.36	11.93	H
	10278	-45.11	-25	-20.11	-77.18	-54.73	2.69	12.31	H
									H
									H
	5160	-53.57	-25	-28.57	-77.39	-60.84	2.43	9.70	V
	7716	-46.34	-25	-21.34	-74.21	-55.91	2.36	11.93	V
	10314	-45.56	-25	-20.56	-77.49	-55.19	2.69	12.33	V
									V
									V
Middle	5172	-52.58	-25	-27.58	-76.73	-59.84	2.44	9.70	H
	7758	-46.47	-25	-21.47	-74.33	-56.08	2.35	11.95	H
	10332	-45.25	-25	-20.25	-77.57	-54.89	2.69	12.33	H
									H
									H
									H
	5172	-53.26	-25	-28.26	-77.24	-60.52	2.44	9.70	V
	7758	-46.61	-25	-21.61	-74.74	-56.22	2.35	11.95	V
	10332	-45.32	-25	-20.32	-77.54	-54.96	2.69	12.33	V
									V
									V
									V
Highest	5202	-53.19	-25	-28.19	-77.3	-60.44	2.45	9.70	H
	7806	-47.12	-25	-22.12	-74.91	-56.77	2.33	11.98	H
	10404	-45.55	-25	-20.55	-77.94	-55.22	2.69	12.36	H
									H
									H
	5202	-53.66	-25	-28.66	-77.63	-60.91	2.45	9.70	V
	7806	-46.53	-25	-21.53	-74.62	-56.18	2.33	11.98	V
	10404	-45.56	-25	-20.56	-77.8	-55.23	2.69	12.36	V
									V
									V

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

<Closs Mode>

LTE Band 38

LTE Band 38 / 20MHz / QPSK									
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	5140	-53.36	-25	-28.36	-77.45	-60.64	2.42	9.70	H
	7716	-46.47	-25	-21.47	-74.19	-56.04	2.36	11.93	H
	10278	-45.81	-25	-20.81	-78.02	-55.43	2.69	12.31	H
									H
									H
									H
									H
	5160	-53.54	-25	-28.54	-77.51	-60.81	2.43	9.70	V
	7716	-47.78	-25	-22.78	-75.81	-57.35	2.36	11.93	V
	10314	-45.16	-25	-20.16	-77.23	-54.79	2.69	12.33	V
									V
									V
									V
									V

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

———THE END———