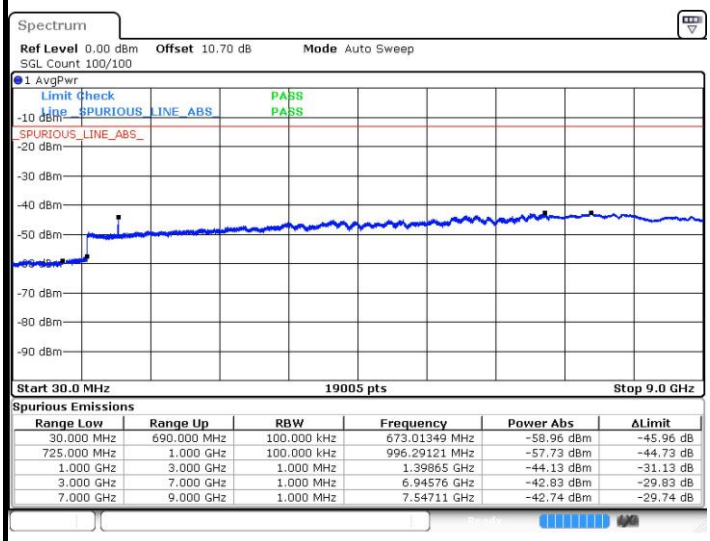
Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

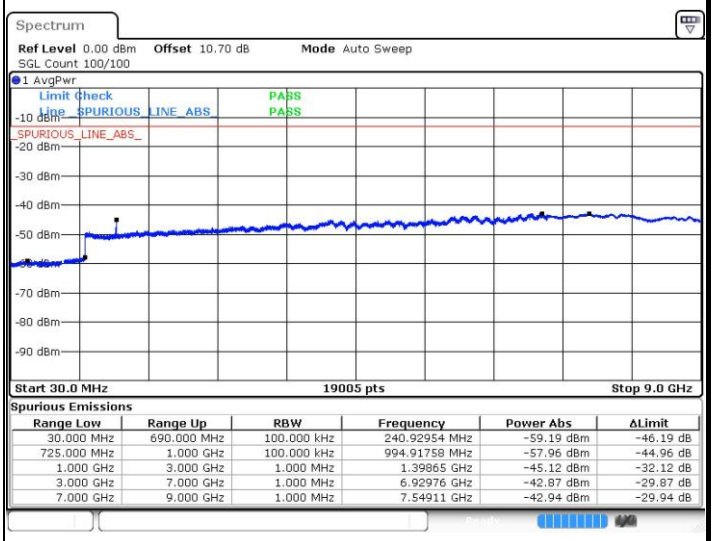


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	673.01349 MHz	-58.96 dBm	-45.96 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.29121 MHz	-57.73 dBm	-44.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.13 dBm	-31.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94576 GHz	-42.83 dBm	-29.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-42.74 dBm	-29.74 dB

Date: 26.JUN.2019 04:08:15

Lowest Channel / 16QAM

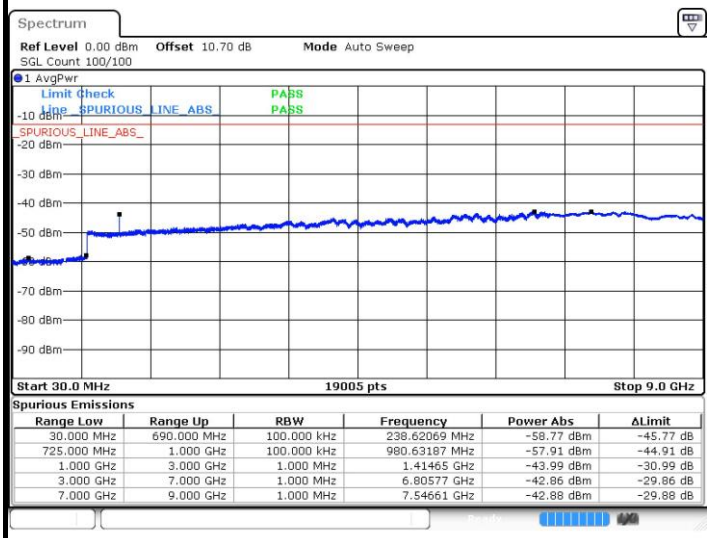


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	240.92954 MHz	-59.19 dBm	-46.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.91758 MHz	-57.96 dBm	-44.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-45.12 dBm	-32.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92976 GHz	-42.87 dBm	-29.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-42.94 dBm	-29.94 dB

Date: 26.JUN.2019 04:09:01

Middle Channel / QPSK

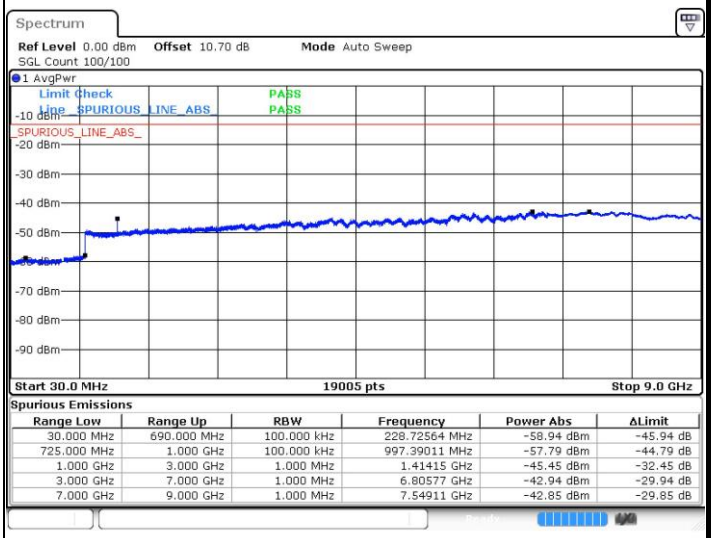


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.62069 MHz	-58.77 dBm	-45.77 dB
725.000 MHz	1.000 GHz	100.000 kHz	980.63187 MHz	-57.91 dBm	-44.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-43.99 dBm	-30.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80577 GHz	-42.86 dBm	-29.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54661 GHz	-42.88 dBm	-29.88 dB

Date: 26.JUN.2019 04:11:20

Middle Channel / 16QAM



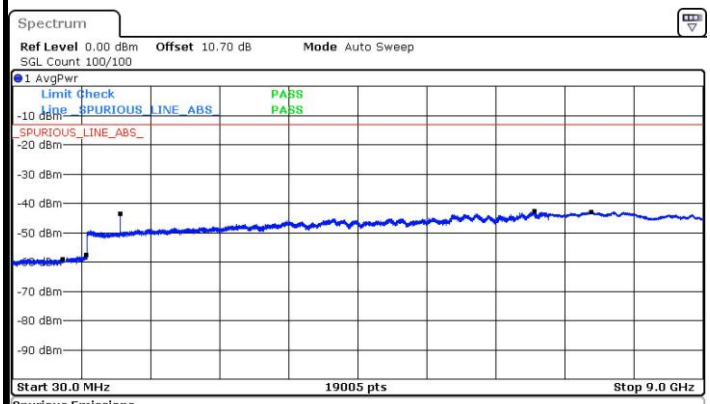
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	228.72564 MHz	-58.94 dBm	-45.94 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.39011 MHz	-57.79 dBm	-44.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-45.45 dBm	-32.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80577 GHz	-42.94 dBm	-29.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-42.85 dBm	-29.85 dB

Date: 26.JUN.2019 04:10:34

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

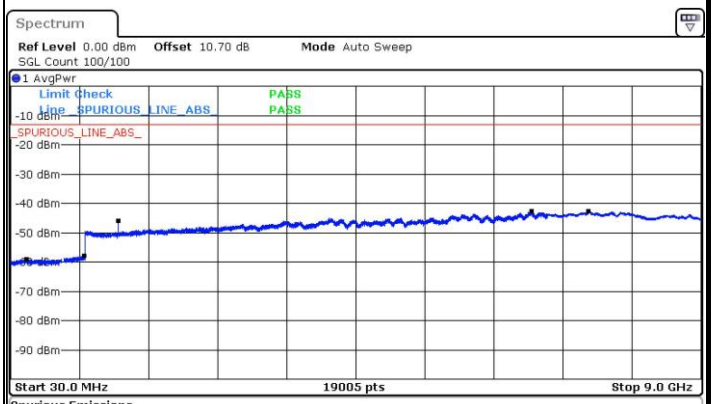


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	675.98201 MHz	-59.07 dBm	-46.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	987.77473 MHz	-57.65 dBm	-44.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-43.59 dBm	-30.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80427 GHz	-42.67 dBm	-29.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54951 GHz	-42.93 dBm	-29.93 dB

Date: 26.JUN.2019 04:16:59

Highest Channel / 16QAM



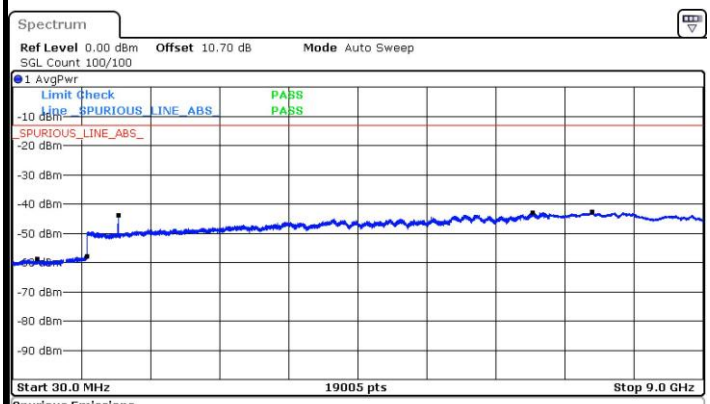
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.35382 MHz	-58.97 dBm	-45.97 dB
725.000 MHz	1.000 GHz	100.000 kHz	980.63187 MHz	-57.84 dBm	-44.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-45.84 dBm	-32.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80127 GHz	-42.71 dBm	-29.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53912 GHz	-42.77 dBm	-29.77 dB

Date: 26.JUN.2019 04:17:45

LTE Band 12 / 3MHz

Lowest Channel / QPSK

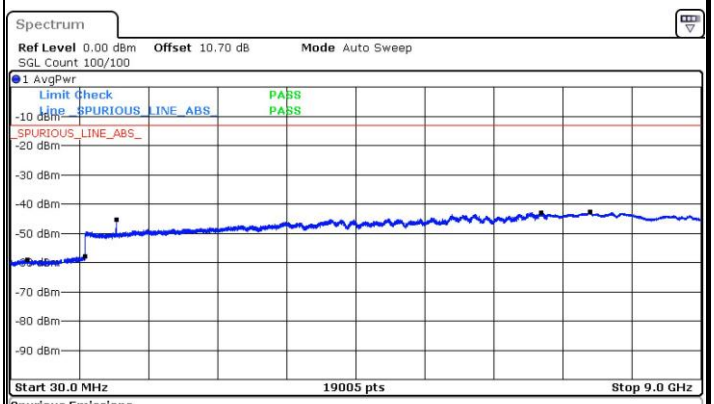


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	345.48726 MHz	-58.90 dBm	-45.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.29121 MHz	-57.86 dBm	-44.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.02 dBm	-31.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78078 GHz	-42.85 dBm	-29.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55461 GHz	-42.83 dBm	-29.83 dB

Date: 26.JUN.2019 02:48:38

Lowest Channel / 16QAM



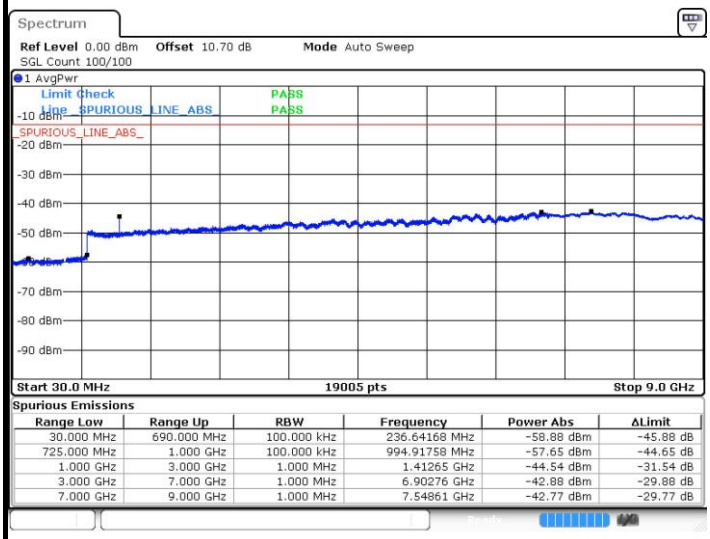
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	241.25937 MHz	-59.00 dBm	-46.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.31319 MHz	-57.95 dBm	-44.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-45.27 dBm	-32.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92476 GHz	-42.87 dBm	-29.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55361 GHz	-42.69 dBm	-29.69 dB

Date: 26.JUN.2019 02:49:25

LTE Band 12 / 3MHz

Middle Channel / QPSK

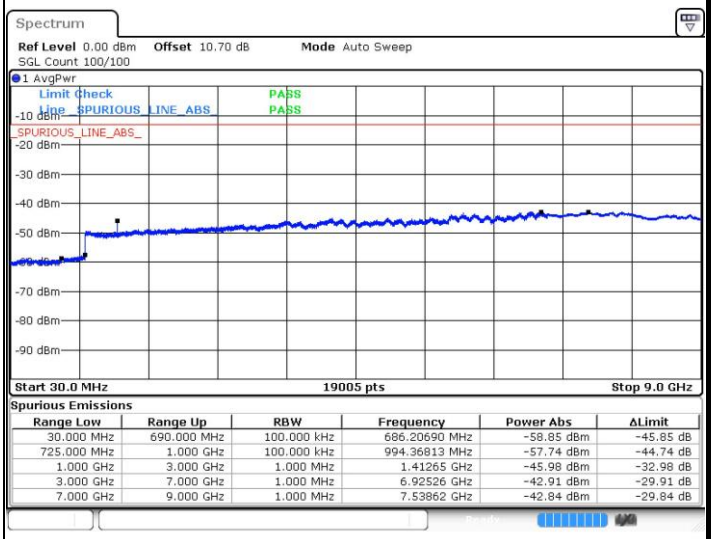


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.64168 MHz	-58.88 dBm	-45.88 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.91758 MHz	-57.65 dBm	-44.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-44.54 dBm	-31.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90276 GHz	-42.88 dBm	-29.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-42.77 dBm	-29.77 dB

Date: 26.JUN.2019 02:51:43

Middle Channel / 16QAM

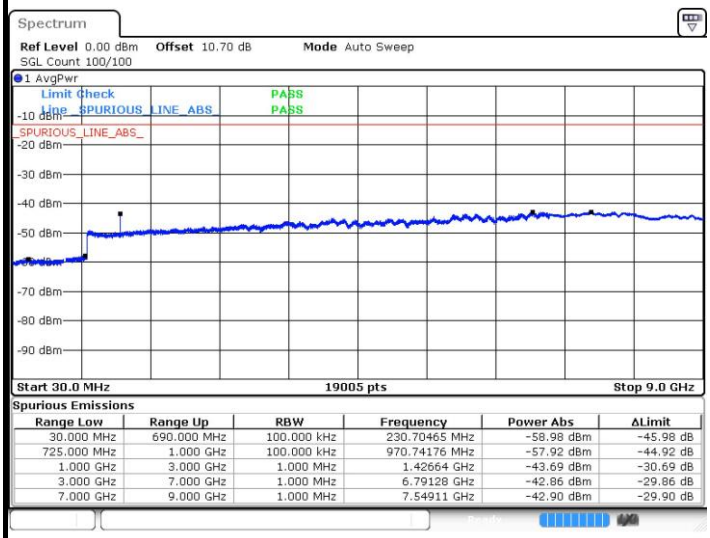


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.20690 MHz	-58.85 dBm	-45.85 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.36813 MHz	-57.74 dBm	-44.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.98 dBm	-32.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92526 GHz	-42.91 dBm	-29.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53862 GHz	-42.84 dBm	-29.84 dB

Date: 26.JUN.2019 02:50:58

Highest Channel / QPSK

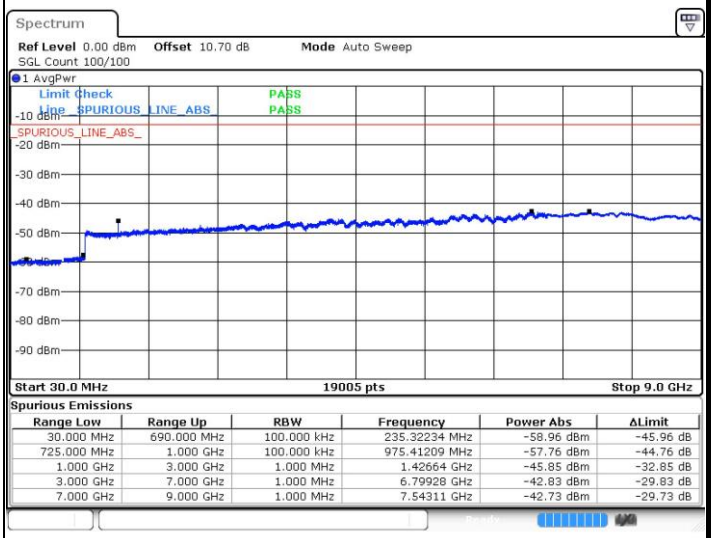


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.70465 MHz	-58.98 dBm	-45.98 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.74176 MHz	-57.92 dBm	-44.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-43.69 dBm	-30.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79128 GHz	-42.86 dBm	-29.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-42.90 dBm	-29.90 dB

Date: 26.JUN.2019 02:57:22

Highest Channel / 16QAM



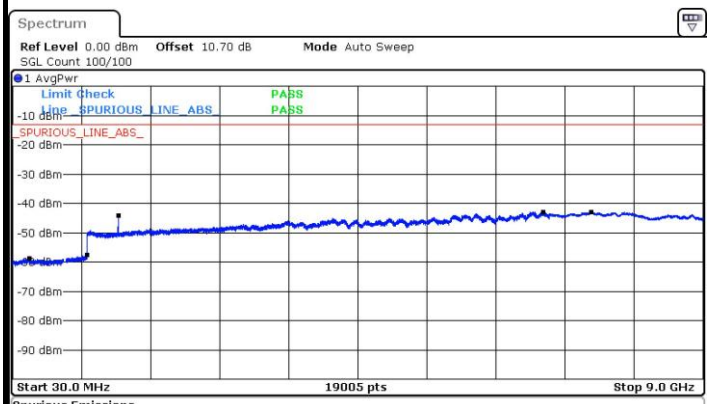
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.32234 MHz	-58.96 dBm	-45.96 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.41209 MHz	-57.76 dBm	-44.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-45.85 dBm	-32.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79928 GHz	-42.83 dBm	-29.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54311 GHz	-42.73 dBm	-29.73 dB

Date: 26.JUN.2019 02:58:09

LTE Band 12 / 5MHz

Lowest Channel / QPSK

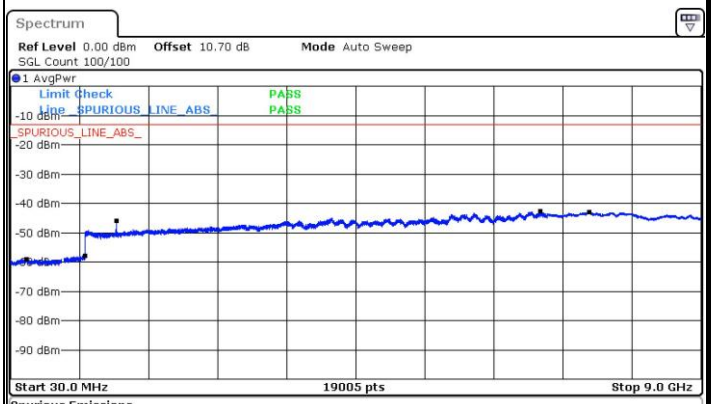


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	240.59970 MHz	-58.91 dBm	-45.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.79670 MHz	-57.76 dBm	-44.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.07 dBm	-31.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92326 GHz	-42.84 dBm	-29.84 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54411 GHz	-42.86 dBm	-29.86 dB

Date: 26.JUN.2019 03:19:00

Lowest Channel / 16QAM

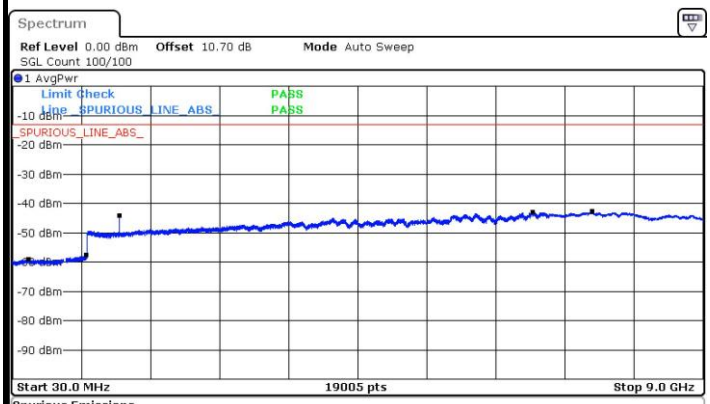


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	229.38531 MHz	-59.03 dBm	-46.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-57.89 dBm	-44.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.11 dBm	-33.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91076 GHz	-42.76 dBm	-29.76 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-42.87 dBm	-29.87 dB

Date: 26.JUN.2019 03:19:46

Middle Channel / QPSK

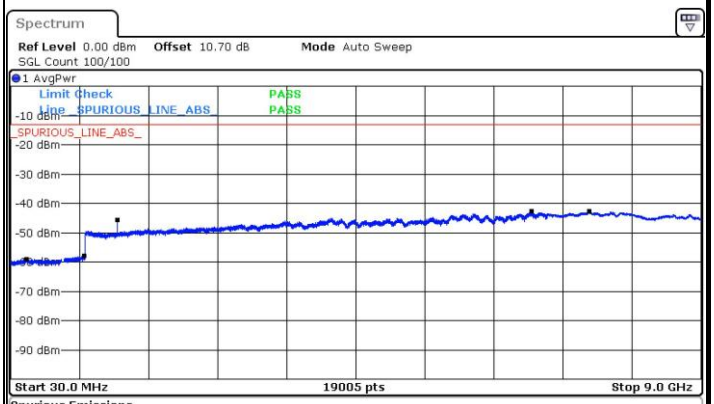


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.29085 MHz	-59.00 dBm	-46.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	988.59890 MHz	-57.64 dBm	-44.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-44.16 dBm	-31.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78578 GHz	-42.88 dBm	-29.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55811 GHz	-42.79 dBm	-29.79 dB

Date: 26.JUN.2019 03:22:05

Middle Channel / 16QAM



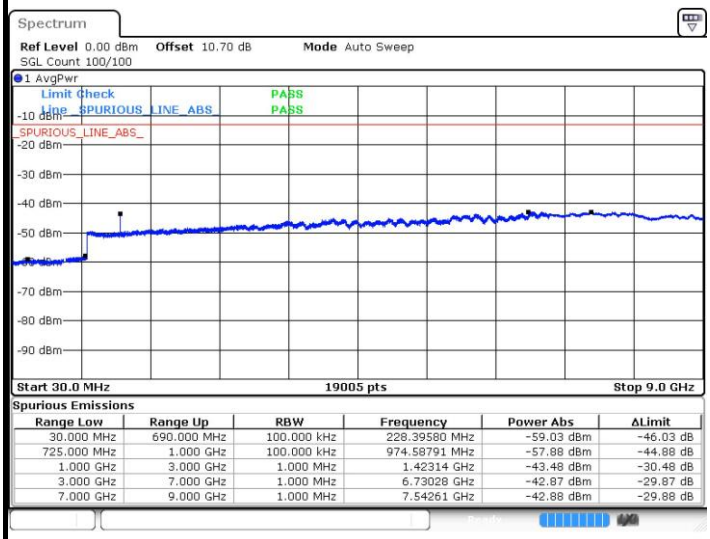
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.99250 MHz	-58.99 dBm	-45.99 dB
725.000 MHz	1.000 GHz	100.000 kHz	978.70879 MHz	-57.88 dBm	-44.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-45.55 dBm	-32.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-42.79 dBm	-29.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-42.77 dBm	-29.77 dB

Date: 26.JUN.2019 03:21:19

LTE Band 12 / 5MHz

Highest Channel / QPSK

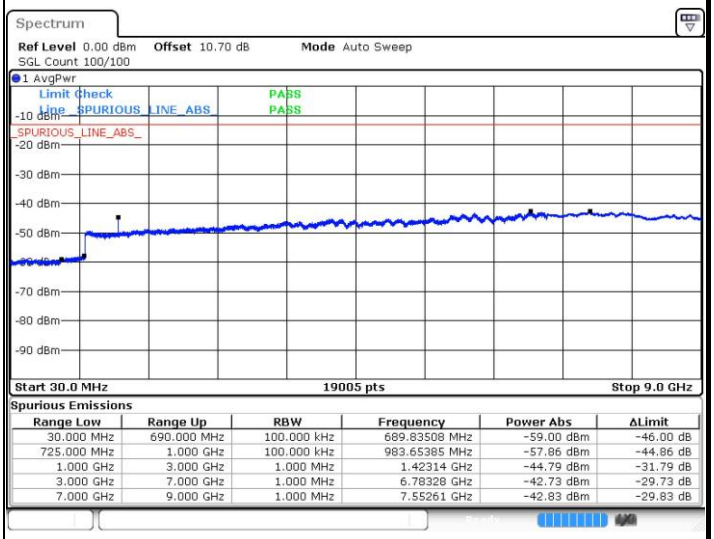


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	228.39580 MHz	-59.03 dBm	-46.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	974.58791 MHz	-57.88 dBm	-44.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.48 dBm	-30.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.73028 GHz	-42.87 dBm	-29.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54261 GHz	-42.88 dBm	-29.88 dB

Date: 26.JUN.2019 03:28:30

Highest Channel / 16QAM



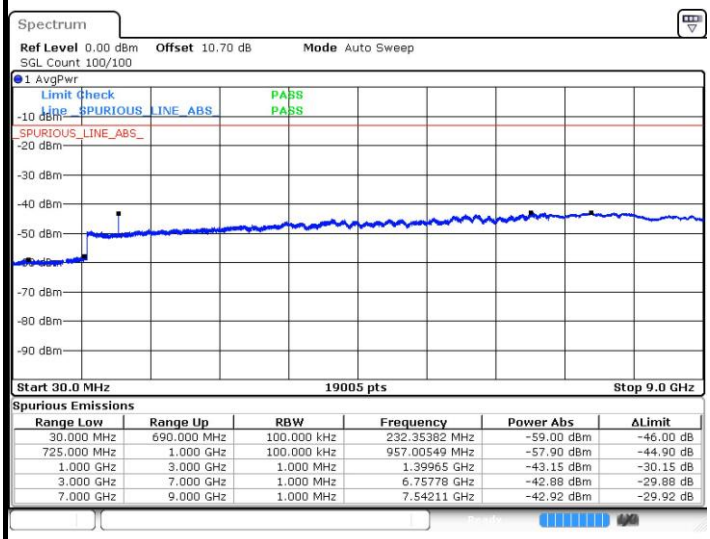
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-59.00 dBm	-46.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	983.65385 MHz	-57.86 dBm	-44.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.79 dBm	-31.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78328 GHz	-42.73 dBm	-29.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-42.83 dBm	-29.83 dB

Date: 26.JUN.2019 03:27:44

LTE Band 12 / 10MHz

Lowest Channel / QPSK

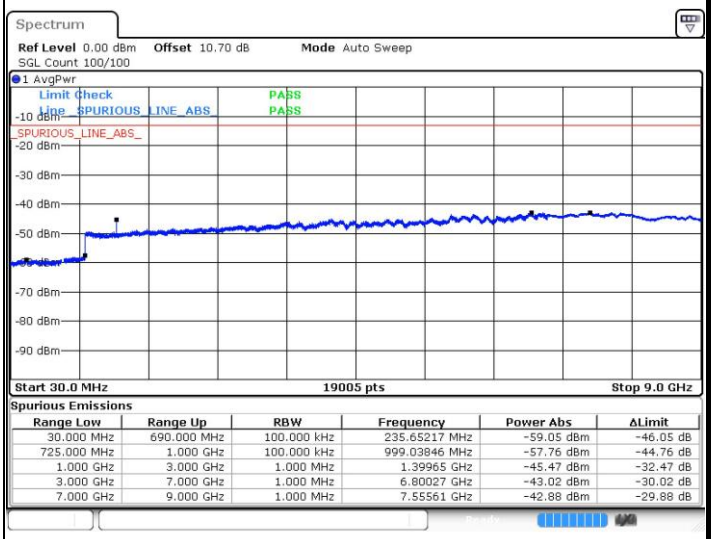


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.35382 MHz	-59.00 dBm	-46.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	957.00549 MHz	-57.90 dBm	-44.90 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.15 dBm	-30.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75778 GHz	-42.88 dBm	-29.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54211 GHz	-42.92 dBm	-29.92 dB

Date: 26.JUN.2019 03:34:10

Lowest Channel / 16QAM



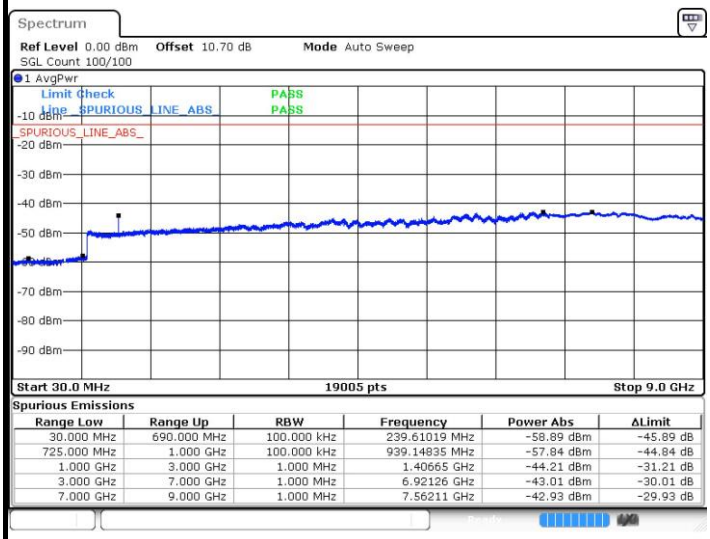
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.65217 MHz	-59.05 dBm	-46.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-57.76 dBm	-44.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-45.47 dBm	-32.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80027 GHz	-43.02 dBm	-30.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55561 GHz	-42.88 dBm	-29.88 dB

Date: 26.JUN.2019 03:34:57

LTE Band 12 / 10MHz

Middle Channel / QPSK

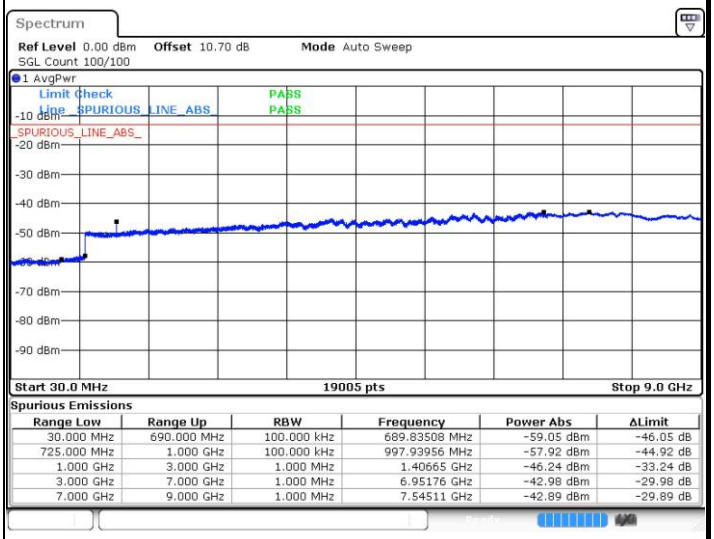


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.61019 MHz	-58.89 dBm	-45.89 dB
725.000 MHz	1.000 GHz	100.000 kHz	939.14835 MHz	-57.84 dBm	-44.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.21 dBm	-31.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92126 GHz	-43.01 dBm	-30.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.56211 GHz	-42.93 dBm	-29.93 dB

Date: 26.JUN.2019 03:37:15

Middle Channel / 16QAM

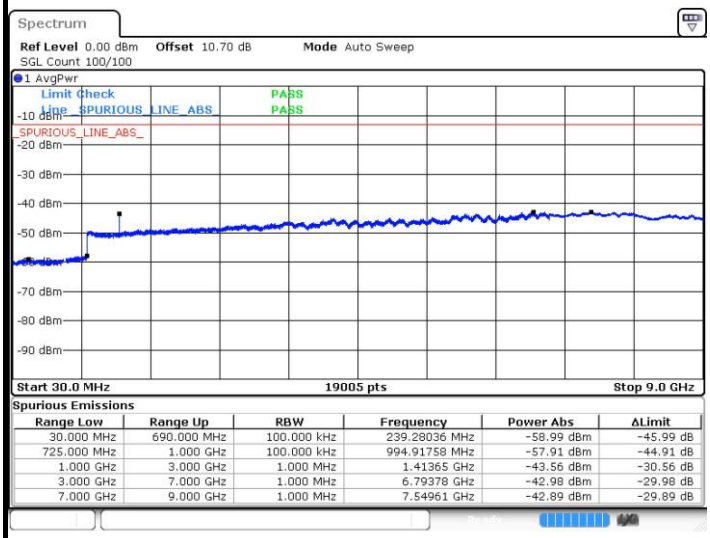


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-59.05 dBm	-46.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.93956 MHz	-57.92 dBm	-44.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-46.24 dBm	-33.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95176 GHz	-42.98 dBm	-29.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54511 GHz	-42.89 dBm	-29.89 dB

Date: 26.JUN.2019 03:36:29

Highest Channel / QPSK

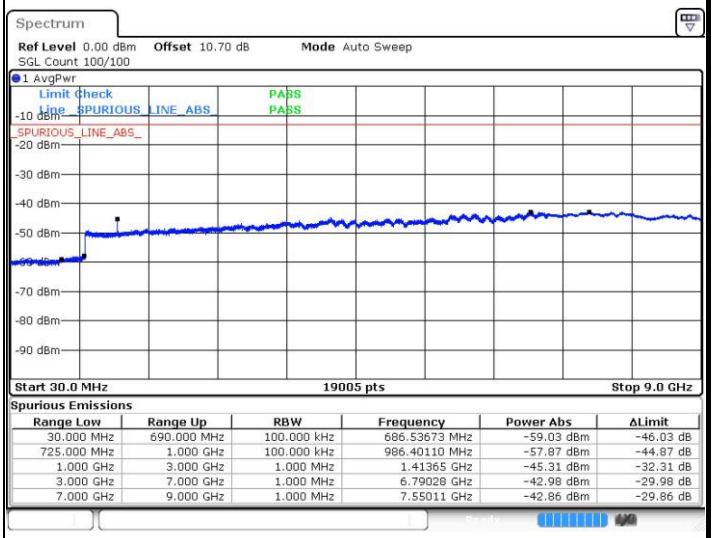


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.28036 MHz	-58.99 dBm	-45.99 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.91758 MHz	-57.91 dBm	-44.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-43.56 dBm	-30.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79378 GHz	-42.98 dBm	-29.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-42.89 dBm	-29.89 dB

Date: 26.JUN.2019 03:42:54

Highest Channel / 16QAM



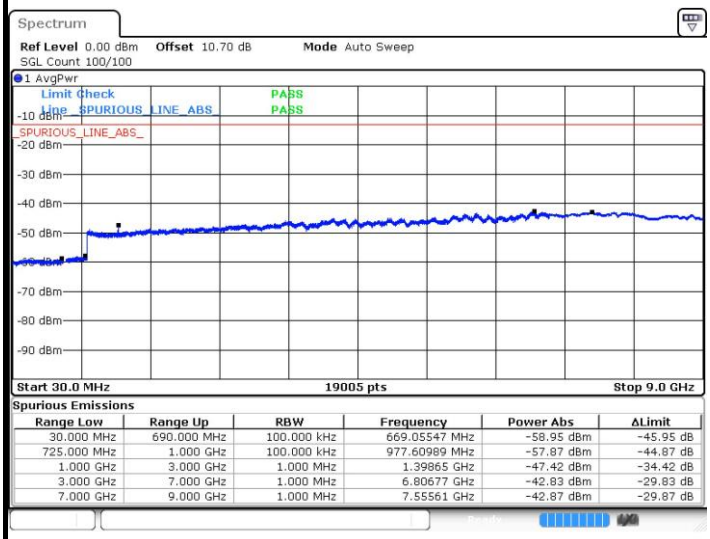
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.53673 MHz	-59.03 dBm	-46.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.40110 MHz	-57.87 dBm	-44.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.31 dBm	-32.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79028 GHz	-42.98 dBm	-29.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-42.86 dBm	-29.86 dB

Date: 26.JUN.2019 03:43:40

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

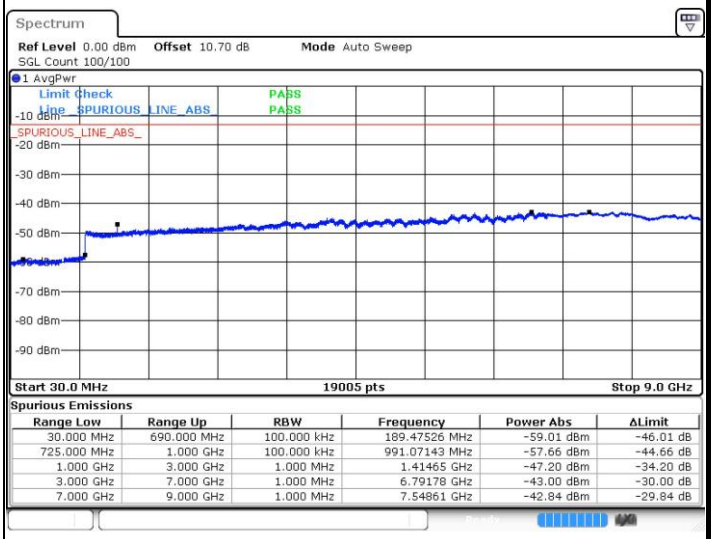


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	669.05547 MHz	-58.95 dBm	-45.95 dB
725.000 MHz	1.000 GHz	100.000 kHz	977.60989 MHz	-57.87 dBm	-44.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.42 dBm	-34.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80677 GHz	-42.83 dBm	-29.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55561 GHz	-42.87 dBm	-29.87 dB

Date: 26.JUN.2019 04:20:59

Middle Channel / 64QAM

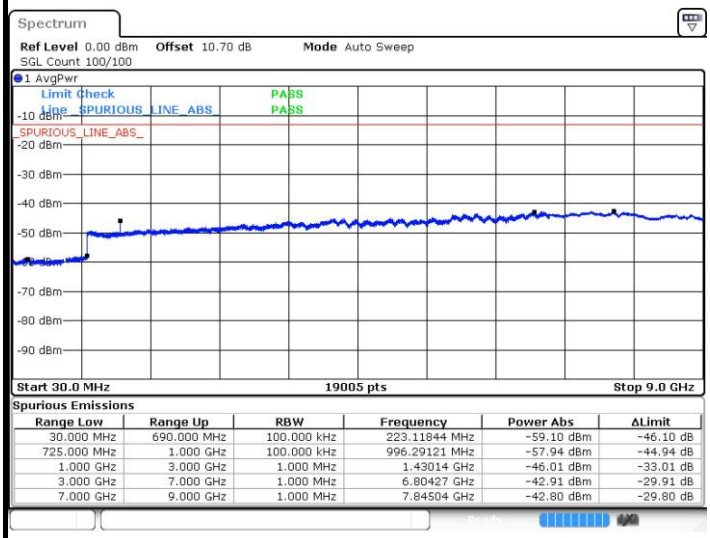


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	189.47526 MHz	-59.01 dBm	-46.01 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.07143 MHz	-57.66 dBm	-44.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-47.20 dBm	-34.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79178 GHz	-43.00 dBm	-30.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-42.84 dBm	-29.84 dB

Date: 26.JUN.2019 04:22:08

Highest Channel / 64QAM



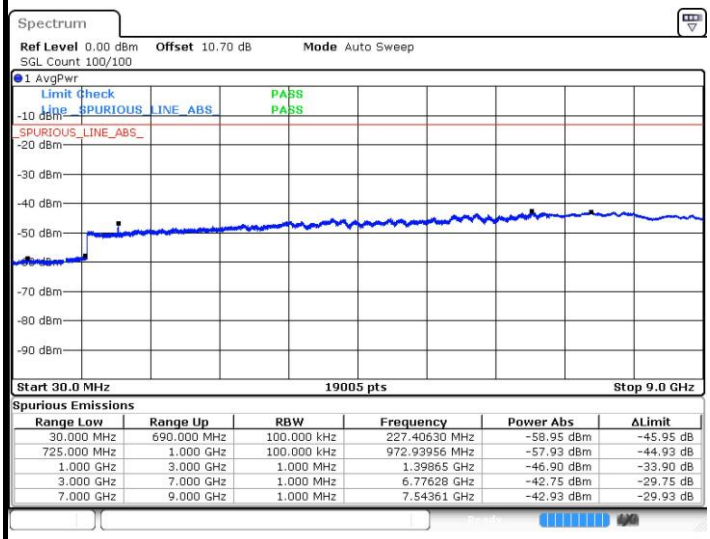
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	223.11844 MHz	-59.10 dBm	-46.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.29121 MHz	-57.94 dBm	-44.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-46.01 dBm	-33.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80427 GHz	-42.91 dBm	-29.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.84504 GHz	-42.80 dBm	-29.80 dB

Date: 26.JUN.2019 04:25:21

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

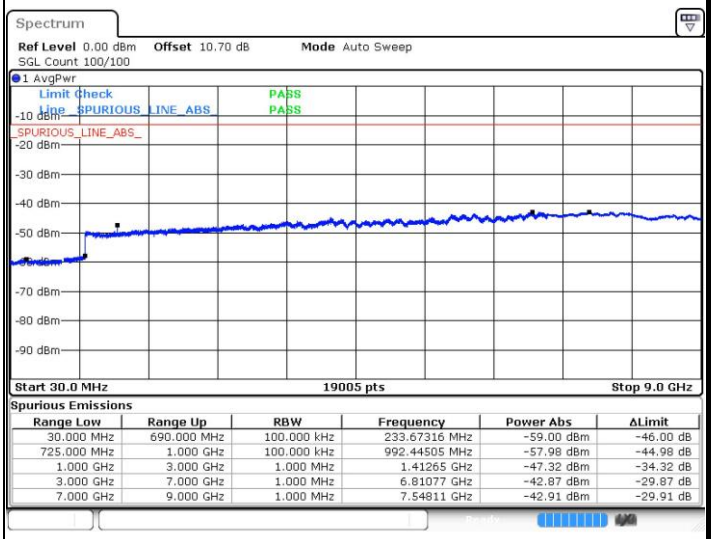


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	227.40630 MHz	-58.95 dBm	-45.95 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.93956 MHz	-57.93 dBm	-44.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.90 dBm	-33.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77628 GHz	-42.75 dBm	-29.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54361 GHz	-42.93 dBm	-29.93 dB

Date: 26.JUN.2019 03:01:22

Middle Channel / 64QAM

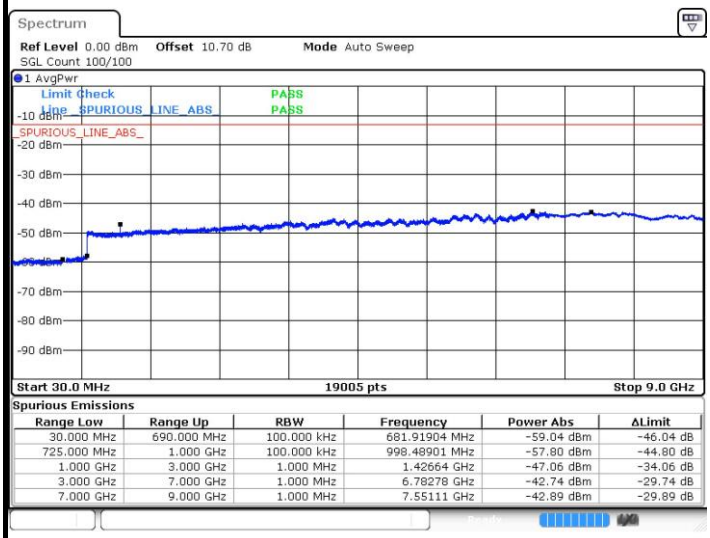


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.67316 MHz	-59.00 dBm	-46.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.44505 MHz	-57.98 dBm	-44.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81077 GHz	-42.87 dBm	-29.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54811 GHz	-42.91 dBm	-29.91 dB

Date: 26.JUN.2019 03:02:31

Highest Channel / 64QAM



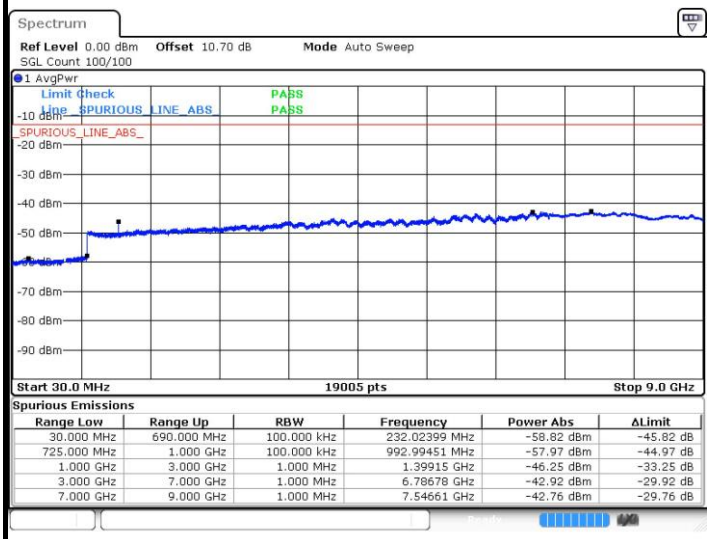
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.91904 MHz	-59.04 dBm	-46.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.48901 MHz	-57.80 dBm	-44.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-47.06 dBm	-34.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78278 GHz	-42.74 dBm	-29.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55111 GHz	-42.89 dBm	-29.89 dB

Date: 26.JUN.2019 03:05:43

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

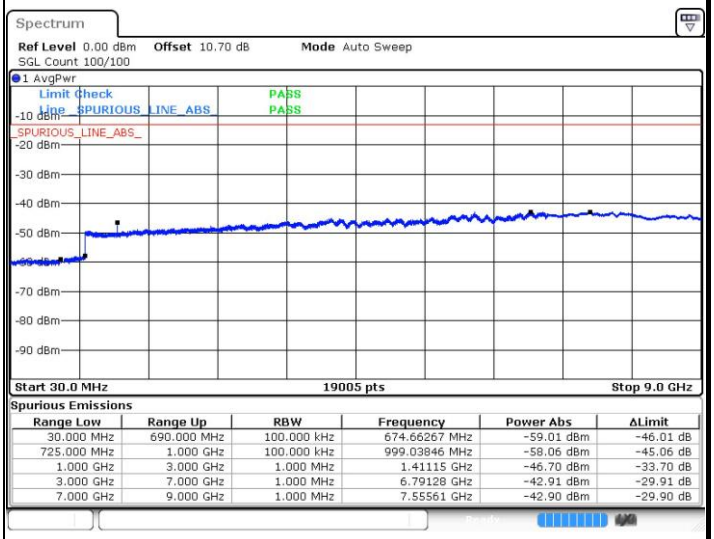


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.02399 MHz	-58.82 dBm	-45.82 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.99451 MHz	-57.97 dBm	-44.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.25 dBm	-33.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78678 GHz	-42.92 dBm	-29.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54661 GHz	-42.76 dBm	-29.76 dB

Date: 26.JUN.2019 03:08:56

Middle Channel / 64QAM

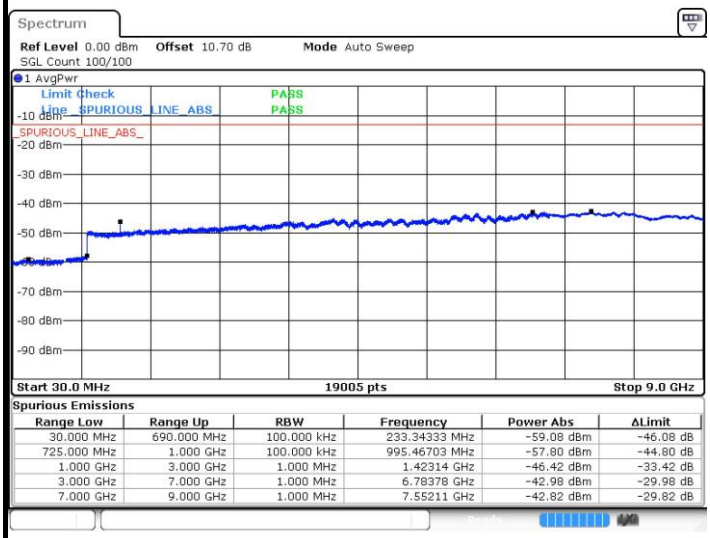


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.66267 MHz	-59.01 dBm	-46.01 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-58.06 dBm	-45.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.70 dBm	-33.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79128 GHz	-42.91 dBm	-29.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55561 GHz	-42.90 dBm	-29.90 dB

Date: 26.JUN.2019 03:10:06

Highest Channel / 64QAM



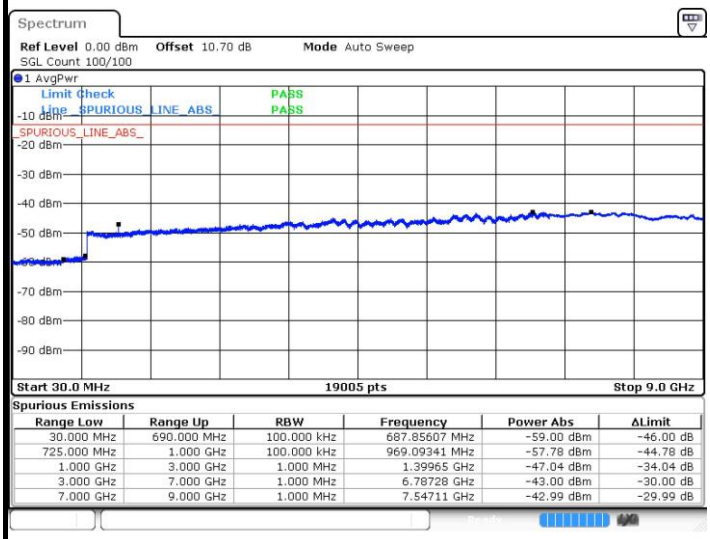
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-59.08 dBm	-46.08 dB
725.000 MHz	1.000 GHz	100.000 kHz	995.46703 MHz	-57.80 dBm	-44.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-46.42 dBm	-33.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78378 GHz	-42.98 dBm	-29.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-42.82 dBm	-29.82 dB

Date: 26.JUN.2019 03:13:19

LTE Band 12 / 10MHz

Lowest Channel / 64QAM

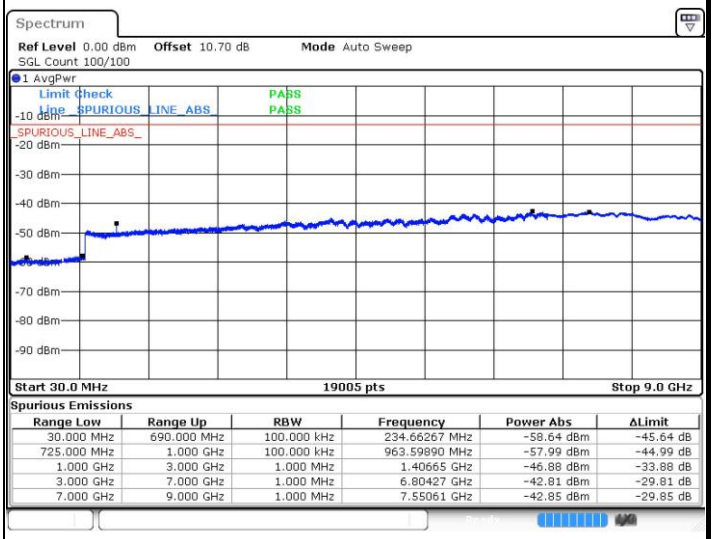


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-59.00 dBm	-46.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	969.09341 MHz	-57.78 dBm	-44.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.04 dBm	-34.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78728 GHz	-43.00 dBm	-30.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-42.99 dBm	-29.99 dB

Date: 26.JUN.2019 03:46:54

Middle Channel / 64QAM

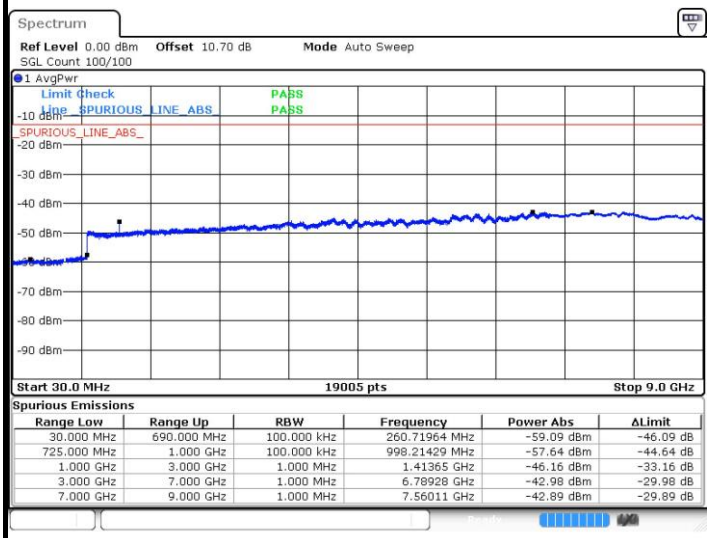


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.66267 MHz	-58.64 dBm	-45.64 dB
725.000 MHz	1.000 GHz	100.000 kHz	963.59890 MHz	-57.99 dBm	-44.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-46.88 dBm	-33.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80427 GHz	-42.81 dBm	-29.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-42.85 dBm	-29.85 dB

Date: 26.JUN.2019 03:48:03

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	260.71964 MHz	-59.09 dBm	-46.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-57.64 dBm	-44.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-46.16 dBm	-33.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78928 GHz	-42.98 dBm	-29.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.56011 GHz	-42.89 dBm	-29.89 dB

Date: 26.JUN.2019 03:56:39

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0129	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.65 V.；Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

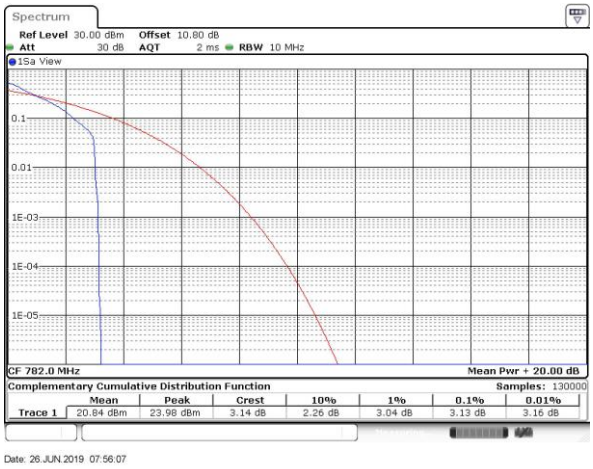
LTE Band 13

Peak-to-Average Ratio

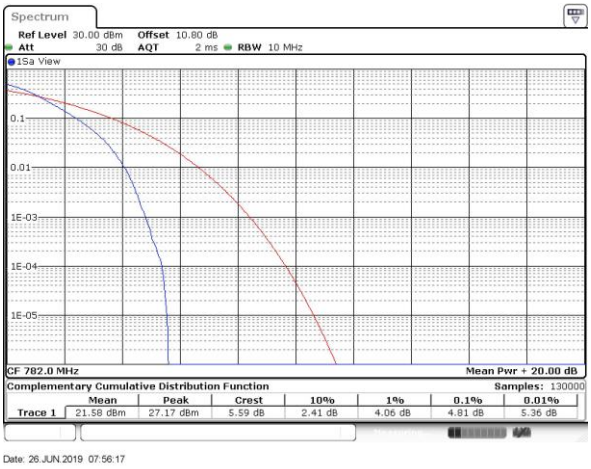
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.13	4.81	3.94	5.62	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.75	6.20	-	-	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB

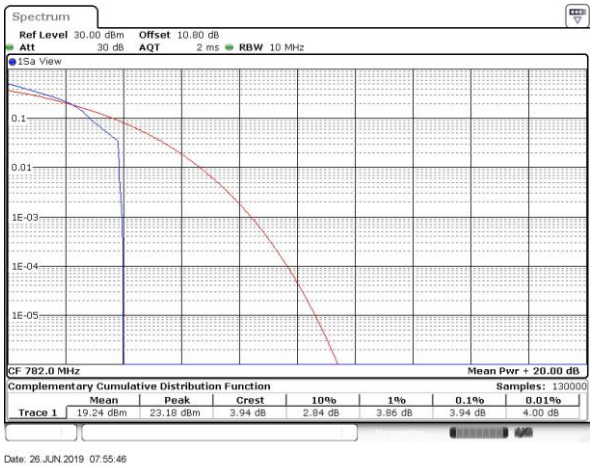


Middle Channel / Full RB

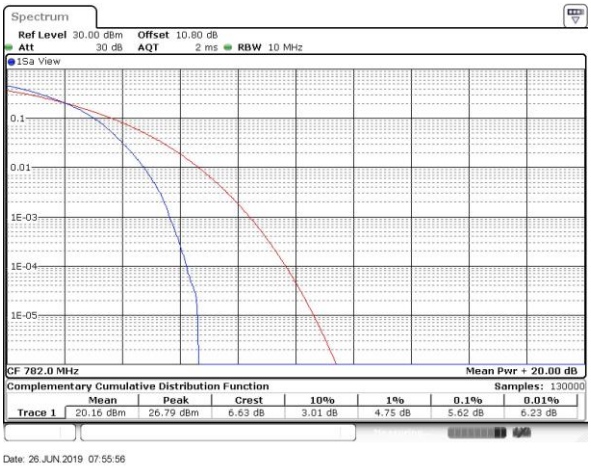


LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB

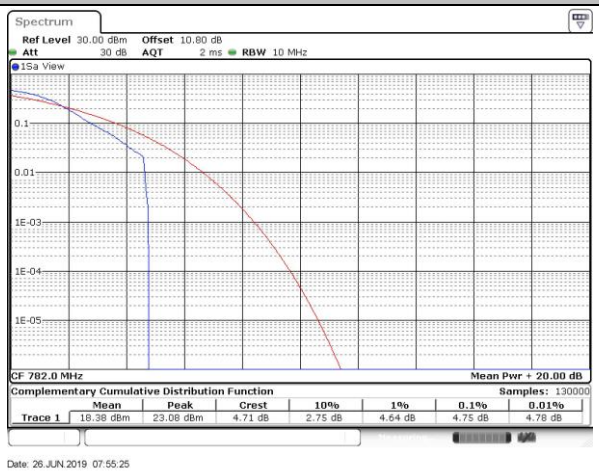


Middle Channel / Full RB

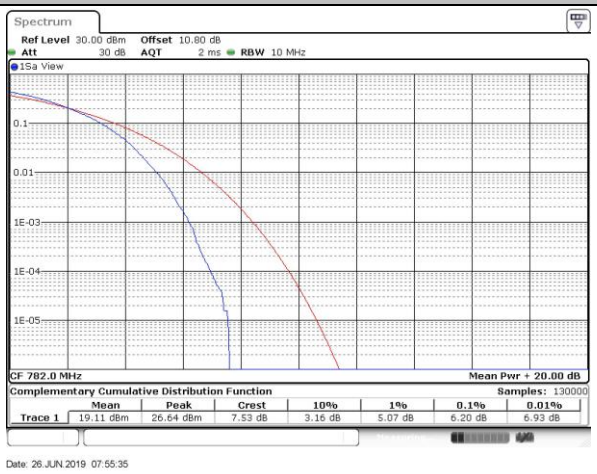


LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB

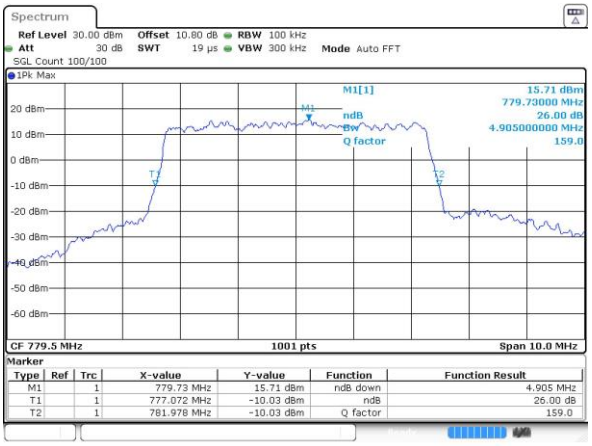


26dB Bandwidth

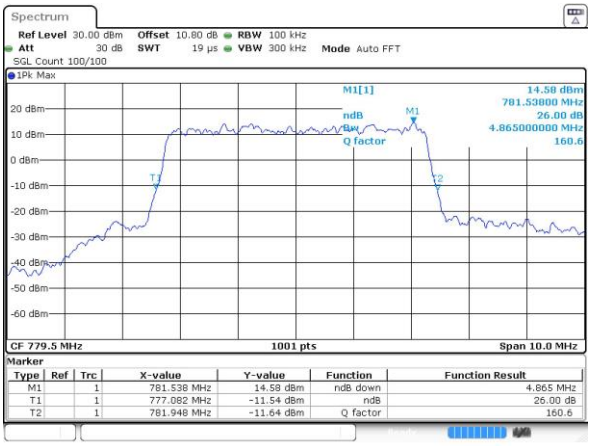
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.91	4.87	-	-	-	-	-	-
Middle CH	-	-	-	-	4.93	4.91	9.75	9.81	-	-	-	-
Highest CH	-	-	-	-	4.89	4.91	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.89	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.86	-	9.79	-	-	-	-	-
Highest CH	-	-	-	-	4.99	-	-	-	-	-	-	-

LTE Band 13

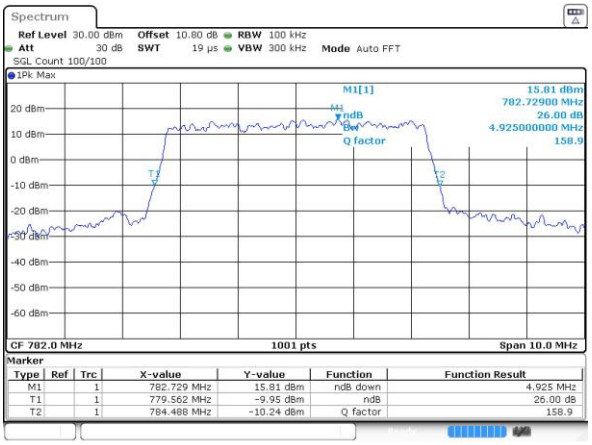
Lowest Channel / 5MHz / QPSK



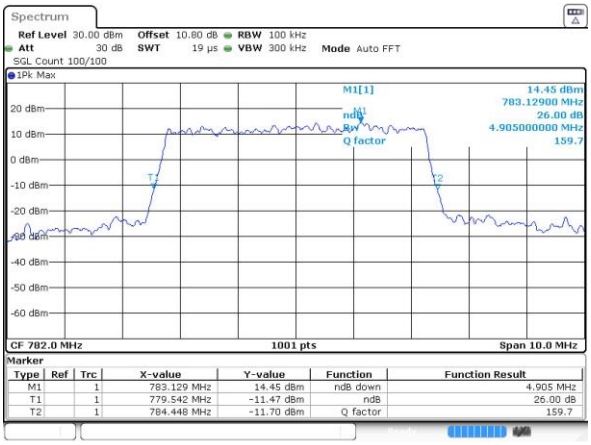
Lowest Channel / 5MHz / 16QAM



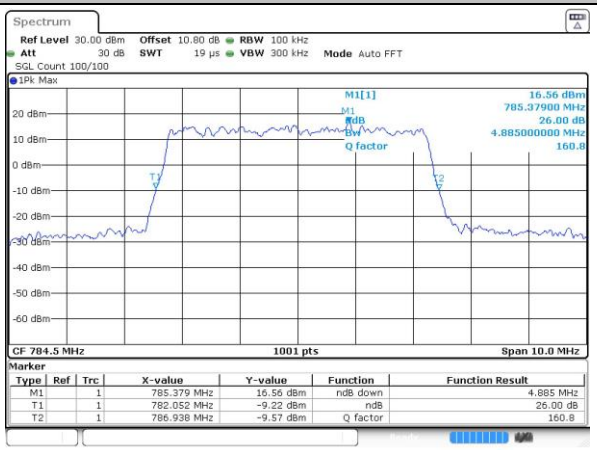
Middle Channel / 5MHz / QPSK



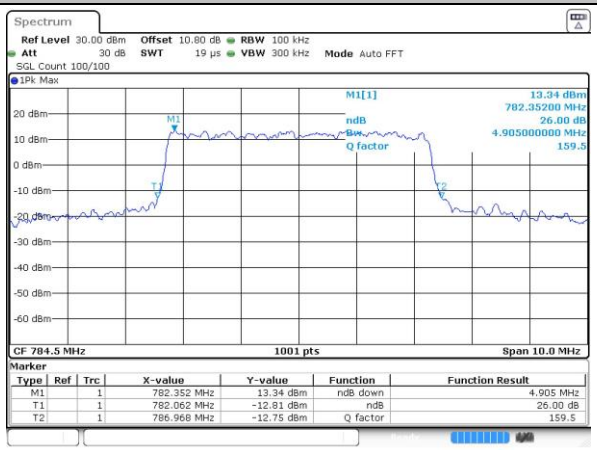
Middle Channel / 5MHz / 16QAM

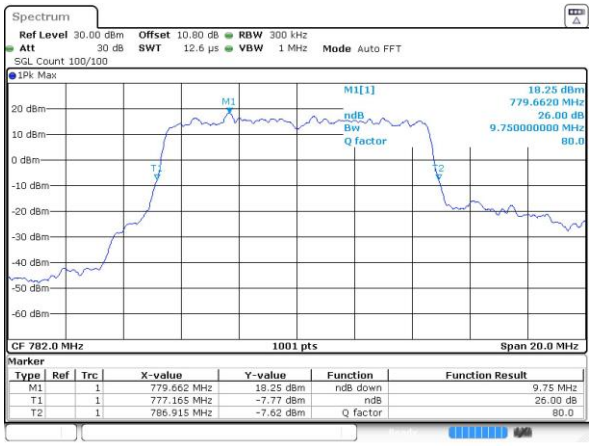
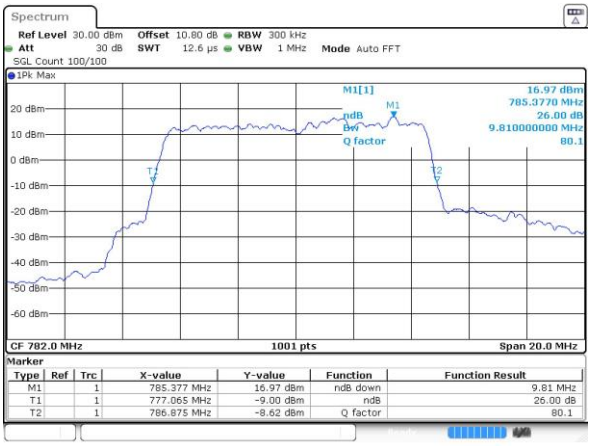


Highest Channel / 5MHz / QPSK



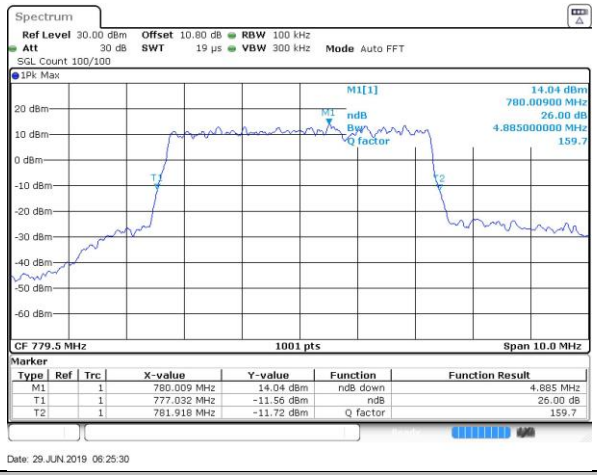
Highest Channel / 5MHz / 16QAM



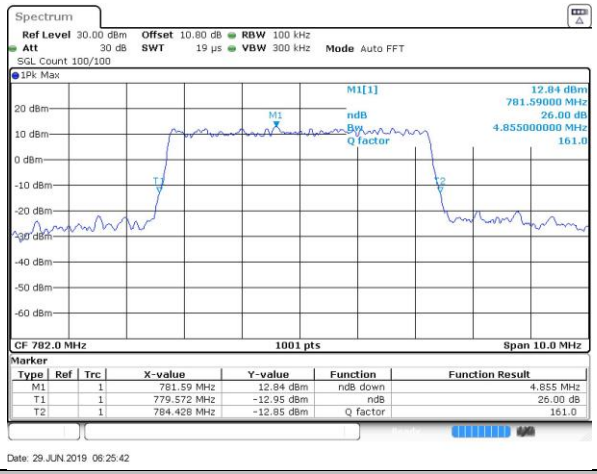
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

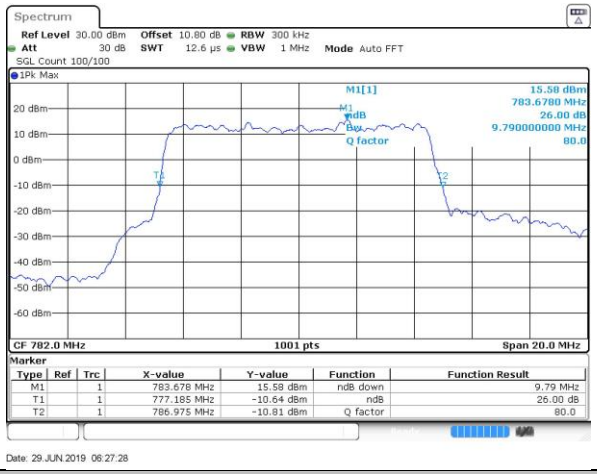
Lowest Channel / 5MHz / 64QAM



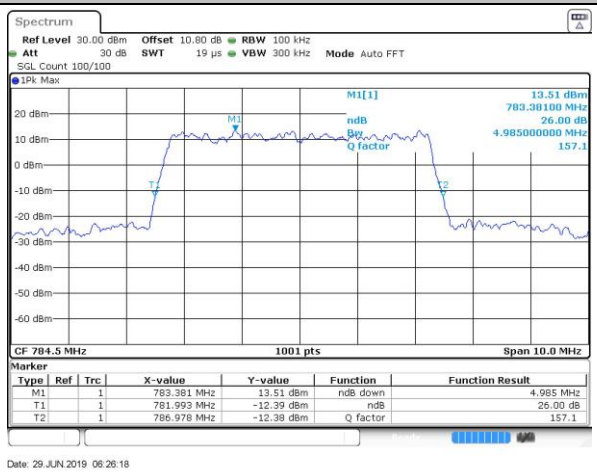
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

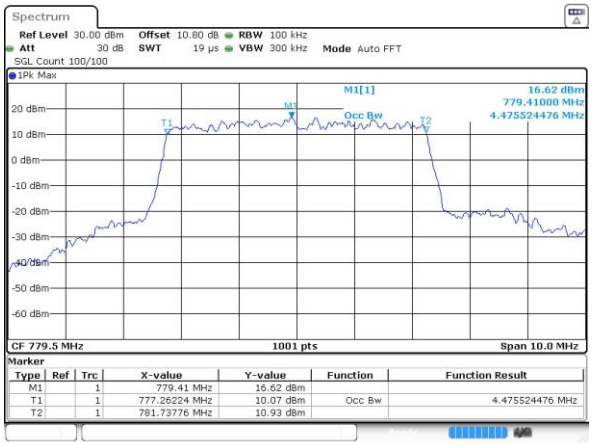


Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.49	9.07	8.99	-	-	-	-
Highest CH	-	-	-	-	4.49	4.49	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.48	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.50	-	9.05	-	-	-	-	-
Highest CH	-	-	-	-	4.49	-	-	-	-	-	-	-

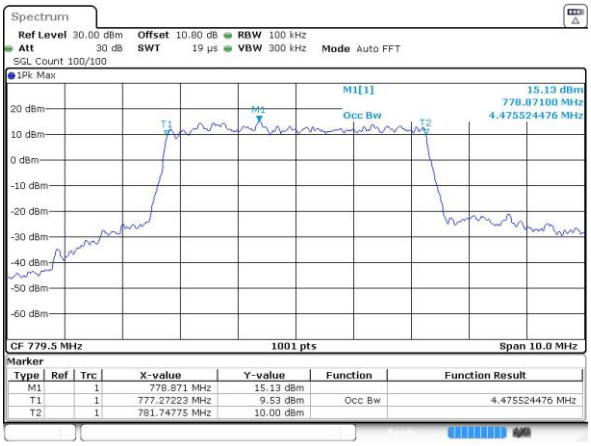
LTE Band 13

Lowest Channel / 5MHz / QPSK



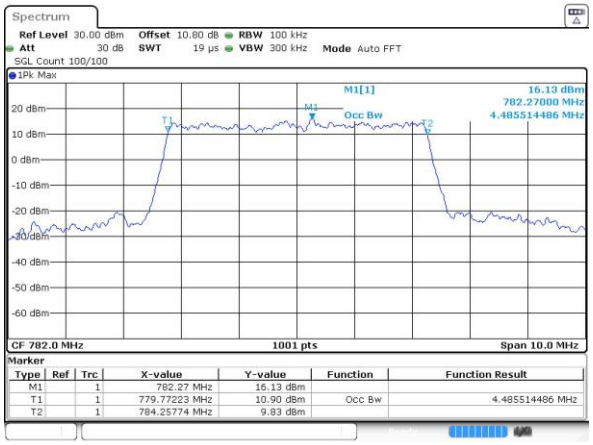
Date: 29.JUN.2019 06:22:53

Lowest Channel / 5MHz / 16QAM



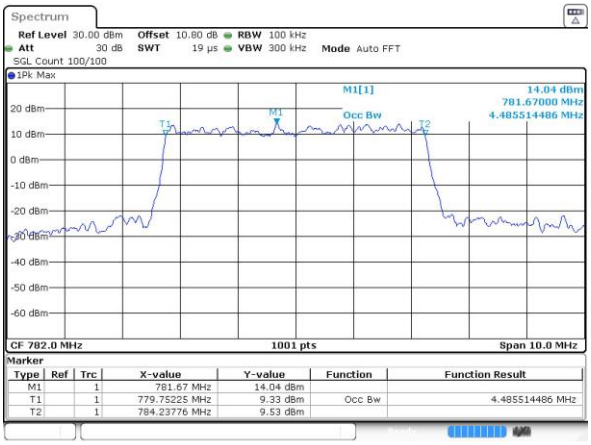
Date: 29.JUN.2019 06:23:05

Middle Channel / 5MHz / QPSK



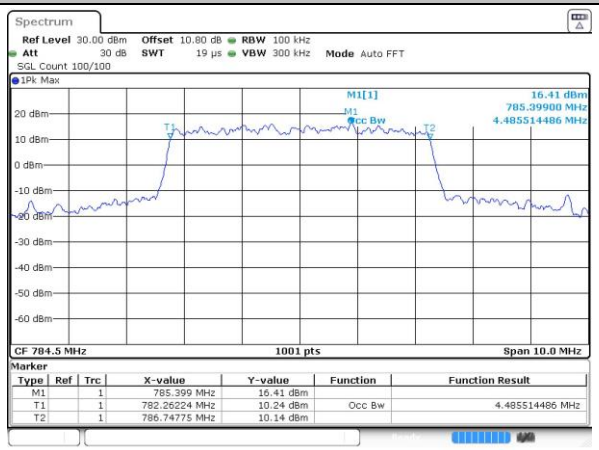
Date: 29.JUN.2019 06:24:17

Middle Channel / 5MHz / 16QAM



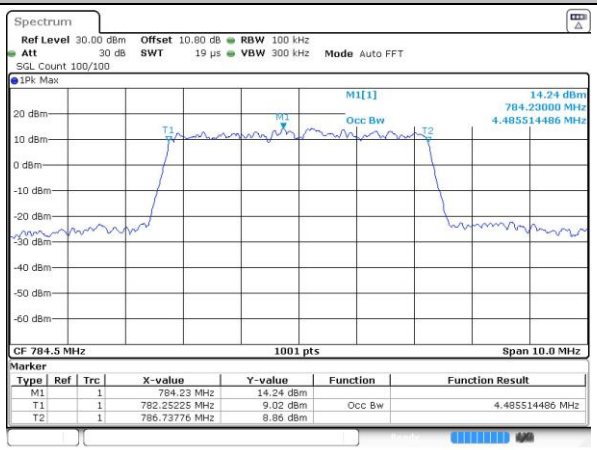
Date: 29.JUN.2019 06:24:05

Highest Channel / 5MHz / QPSK

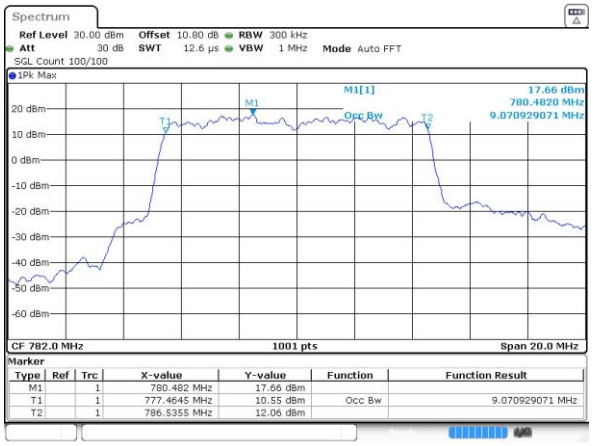
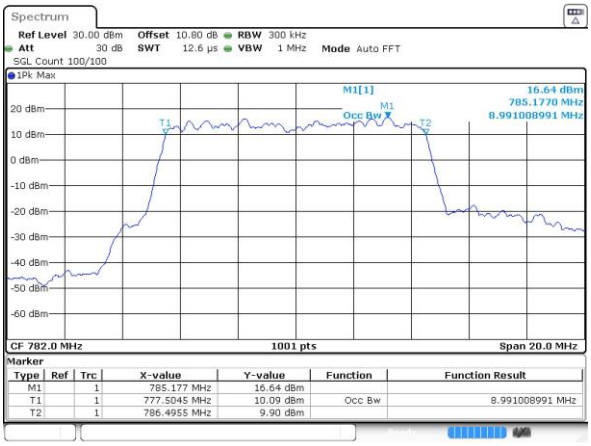


Date: 29.JUN.2019 06:24:29

Highest Channel / 5MHz / 16QAM

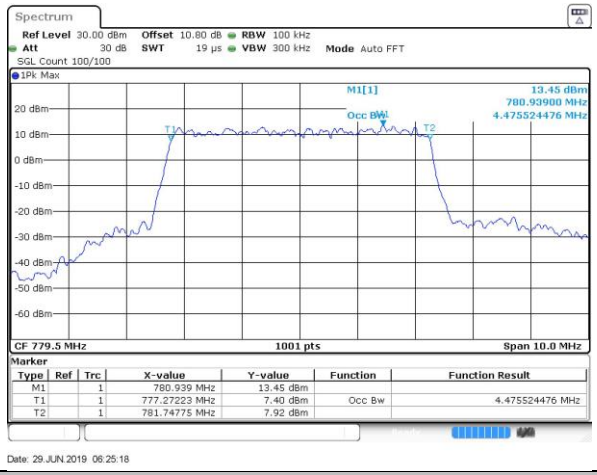


Date: 29.JUN.2019 06:24:41

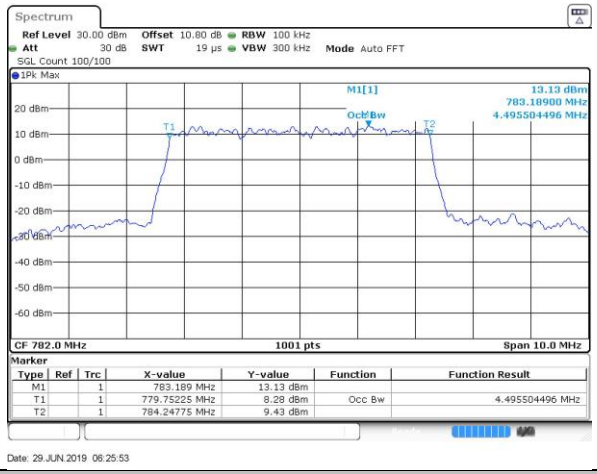
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

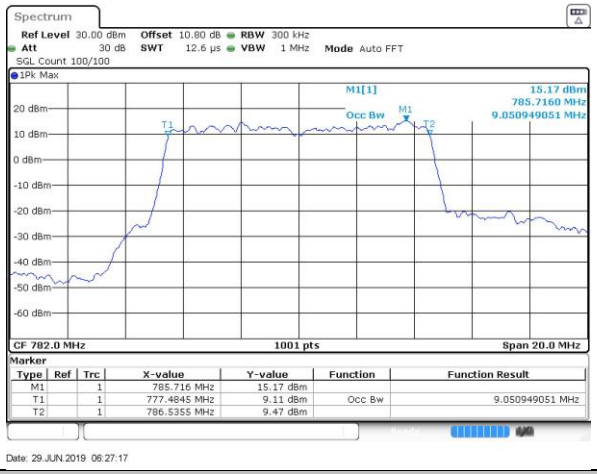
Lowest Channel / 5MHz / 64QAM



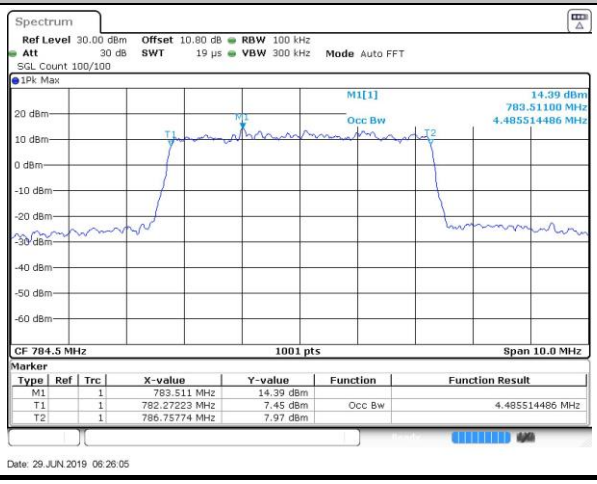
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



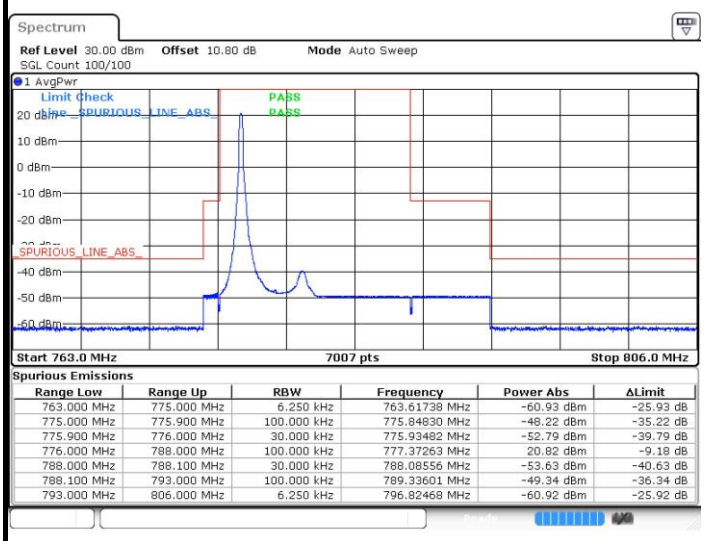
Highest Channel / 5MHz / 64QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

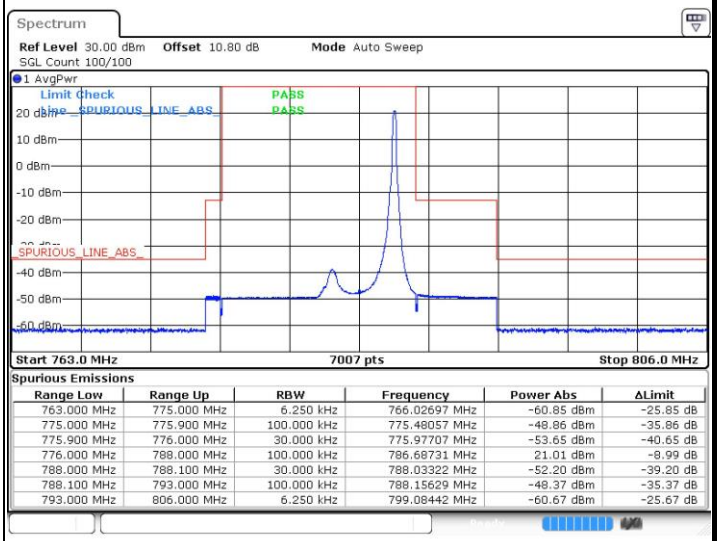


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.61738 MHz	-60.93 dBm	-25.93 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84830 MHz	-48.22 dBm	-35.22 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93482 MHz	-52.79 dBm	-39.79 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	20.82 dBm	-9.18 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08556 MHz	-53.63 dBm	-40.63 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.33601 MHz	-49.34 dBm	-36.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.82468 MHz	-60.92 dBm	-25.92 dB

Date: 26.JUN.2019 07:04:00

Highest Band Edge / 1 RB

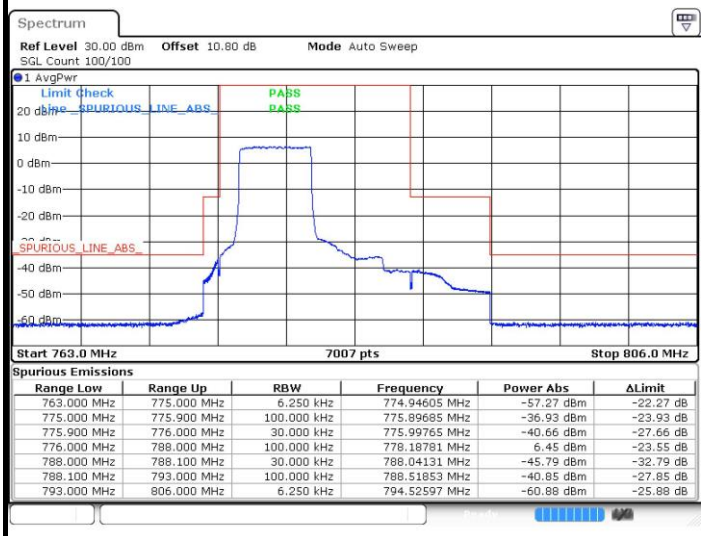


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.02697 MHz	-60.85 dBm	-25.85 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.48057 MHz	-48.86 dBm	-35.86 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97707 MHz	-53.65 dBm	-40.65 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.68731 MHz	21.01 dBm	-8.99 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03322 MHz	-52.20 dBm	-39.20 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.15629 MHz	-48.37 dBm	-35.37 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.08442 MHz	-60.67 dBm	-25.67 dB

Date: 26.JUN.2019 07:15:25

Lowest Band Edge / Full RB

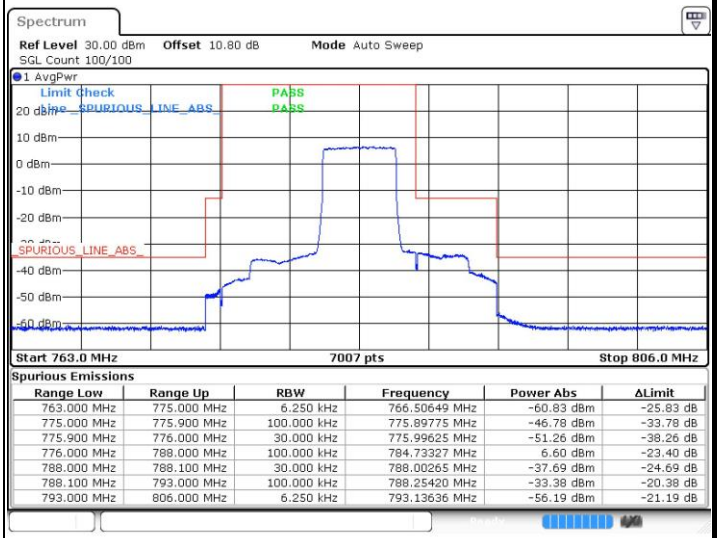


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.94605 MHz	-57.27 dBm	-22.27 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89685 MHz	-36.93 dBm	-23.93 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99765 MHz	-40.66 dBm	-27.66 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.18781 MHz	6.45 dBm	-23.55 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04131 MHz	-45.79 dBm	-32.79 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.51853 MHz	-40.85 dBm	-27.85 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.52597 MHz	-60.88 dBm	-25.88 dB

Date: 26.JUN.2019 06:58:56

Highest Band Edge / Full RB



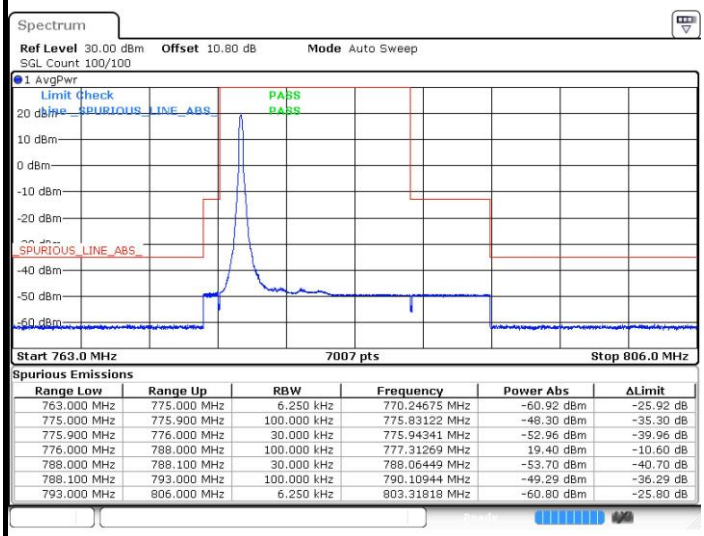
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.50649 MHz	-60.83 dBm	-25.83 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89775 MHz	-46.78 dBm	-33.78 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99625 MHz	-51.26 dBm	-38.26 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.73327 MHz	6.60 dBm	-23.40 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00265 MHz	-37.69 dBm	-24.69 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.25420 MHz	-33.38 dBm	-20.38 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.13636 MHz	-56.19 dBm	-21.19 dB

Date: 26.JUN.2019 07:10:21

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

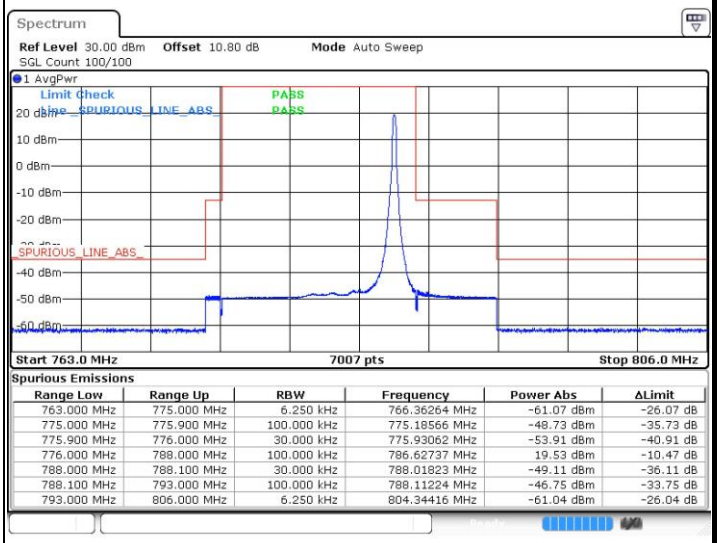


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.24675 MHz	-60.92 dBm	-25.92 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83122 MHz	-48.30 dBm	-35.30 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94341 MHz	-52.96 dBm	-39.96 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	19.40 dBm	-10.60 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06449 MHz	-53.70 dBm	-40.70 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.10944 MHz	-49.29 dBm	-36.29 dB
793.000 MHz	806.000 MHz	6.250 kHz	803.31818 MHz	-60.80 dBm	-25.80 dB

Date: 26.JUN.2019 07:02:19

Highest Band Edge / 1 RB

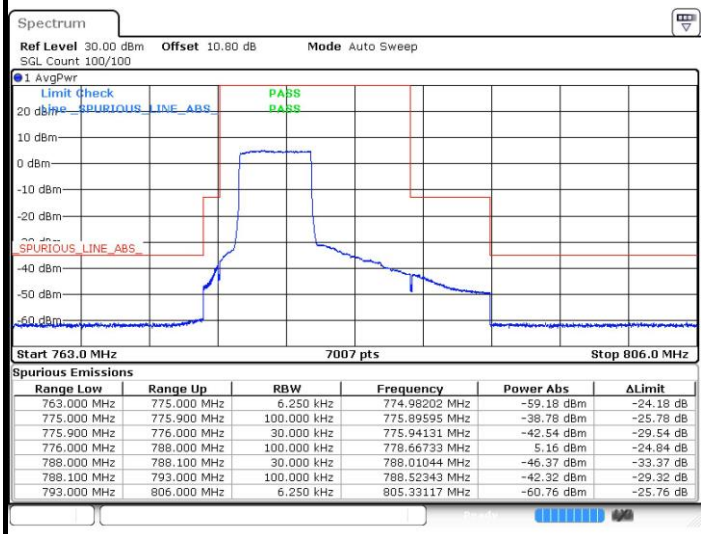


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.36264 MHz	-61.07 dBm	-26.07 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.18566 MHz	-48.73 dBm	-35.73 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93062 MHz	-53.91 dBm	-40.91 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	19.53 dBm	-10.47 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01823 MHz	-49.11 dBm	-36.11 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-46.75 dBm	-33.75 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.34416 MHz	-61.04 dBm	-26.04 dB

Date: 26.JUN.2019 07:13:43

Lowest Band Edge / Full RB

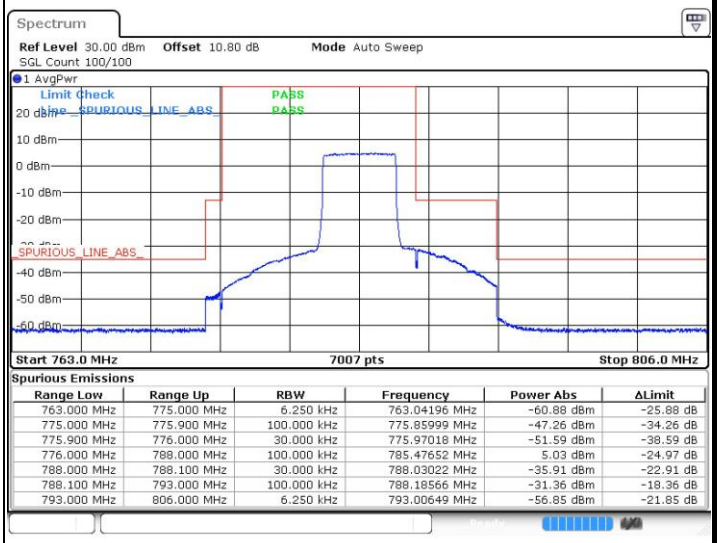


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-59.18 dBm	-24.18 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89595 MHz	-38.78 dBm	-25.78 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94131 MHz	-42.54 dBm	-29.54 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.66733 MHz	5.16 dBm	-24.84 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01044 MHz	-46.37 dBm	-33.37 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.52343 MHz	-42.32 dBm	-29.32 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.33117 MHz	-60.76 dBm	-25.76 dB

Date: 26.JUN.2019 07:00:38

Highest Band Edge / Full RB



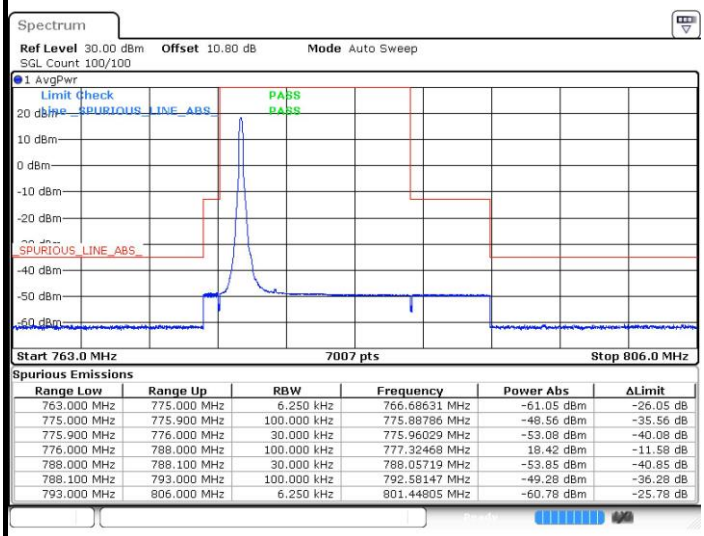
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.04196 MHz	-60.88 dBm	-25.88 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85999 MHz	-47.26 dBm	-34.26 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97018 MHz	-51.59 dBm	-38.59 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.47652 MHz	5.03 dBm	-24.97 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03022 MHz	-35.91 dBm	-22.91 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18566 MHz	-31.36 dBm	-18.36 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-56.85 dBm	-21.85 dB

Date: 26.JUN.2019 07:12:02

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

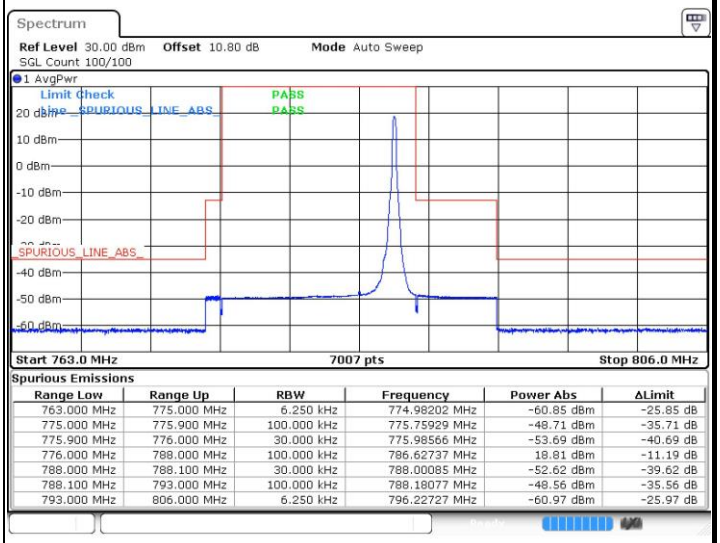


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.68631 MHz	-61.05 dBm	-26.05 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88786 MHz	-48.56 dBm	-35.56 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96029 MHz	-53.08 dBm	-40.08 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32468 MHz	18.42 dBm	-11.58 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05719 MHz	-53.85 dBm	-40.85 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.58147 MHz	-49.28 dBm	-36.28 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.44805 MHz	-60.78 dBm	-25.78 dB

Date: 26.JUN.2019 07:20:44

Highest Band Edge / 1 RB

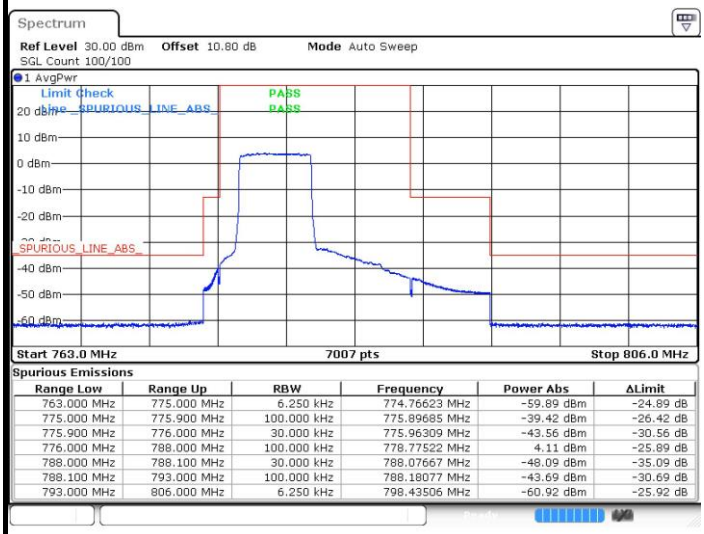


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-60.85 dBm	-25.85 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.75929 MHz	-48.71 dBm	-35.71 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98566 MHz	-53.69 dBm	-40.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	18.81 dBm	-11.19 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00085 MHz	-52.62 dBm	-39.62 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-48.56 dBm	-35.56 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.22727 MHz	-60.97 dBm	-25.97 dB

Date: 26.JUN.2019 07:26:25

Lowest Band Edge / Full RB

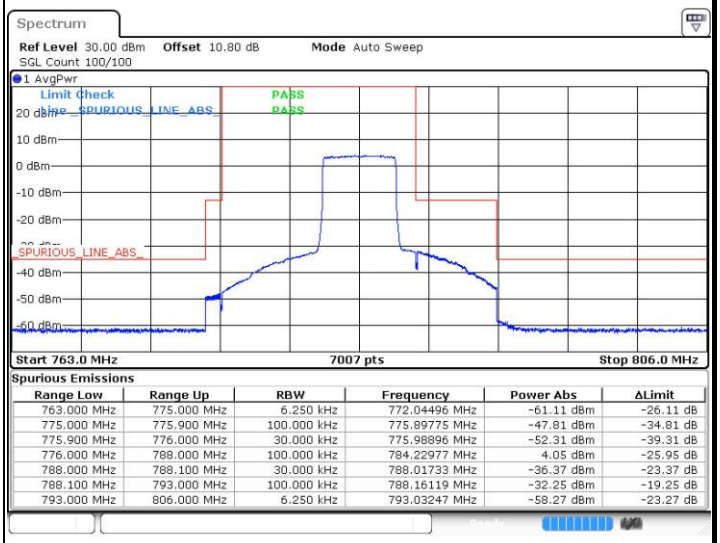


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.76623 MHz	-59.89 dBm	-24.89 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89685 MHz	-39.42 dBm	-26.42 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96309 MHz	-43.56 dBm	-30.56 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.77522 MHz	4.11 dBm	-25.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07667 MHz	-48.09 dBm	-35.09 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-43.69 dBm	-30.69 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.43506 MHz	-60.92 dBm	-25.92 dB

Date: 26.JUN.2019 07:19:03

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.04496 MHz	-61.11 dBm	-26.11 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89775 MHz	-47.81 dBm	-34.81 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98896 MHz	-52.31 dBm	-39.31 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.22977 MHz	4.05 dBm	-25.95 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01733 MHz	-36.37 dBm	-23.37 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16119 MHz	-32.25 dBm	-19.25 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-58.27 dBm	-23.27 dB

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