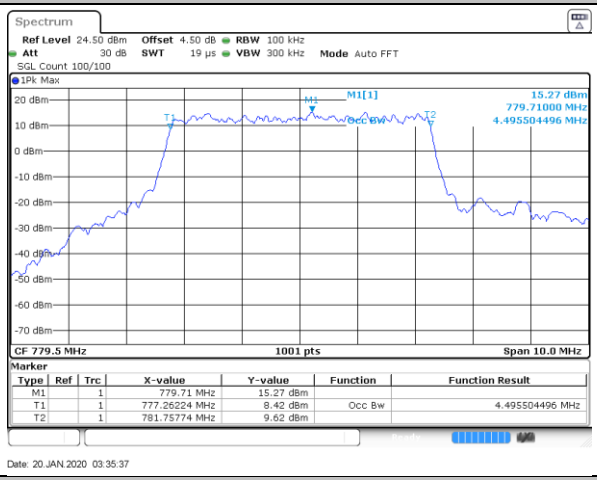
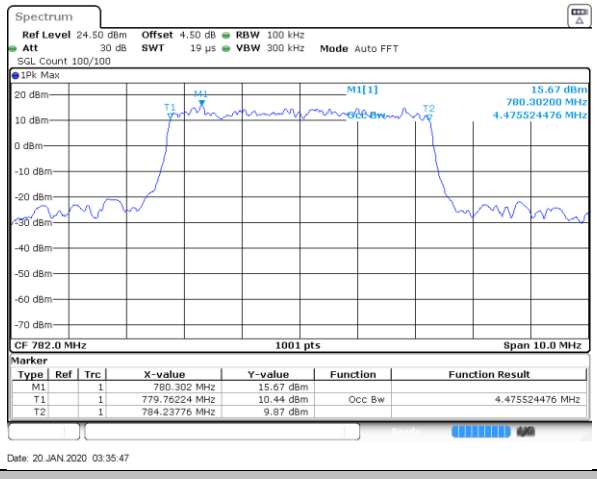
LTE Band 13

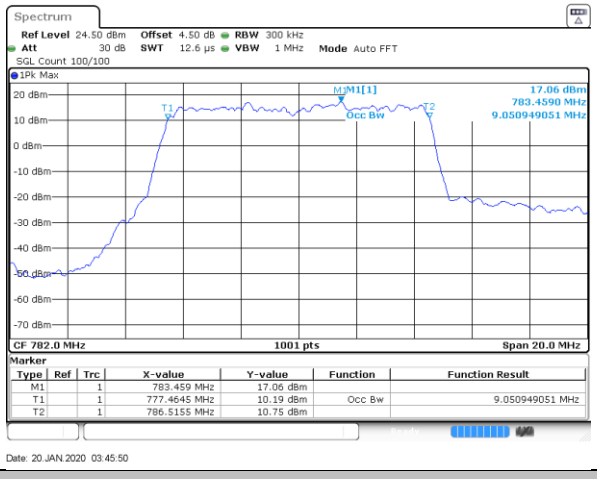
Lowest Channel / 5MHz / 64QAM



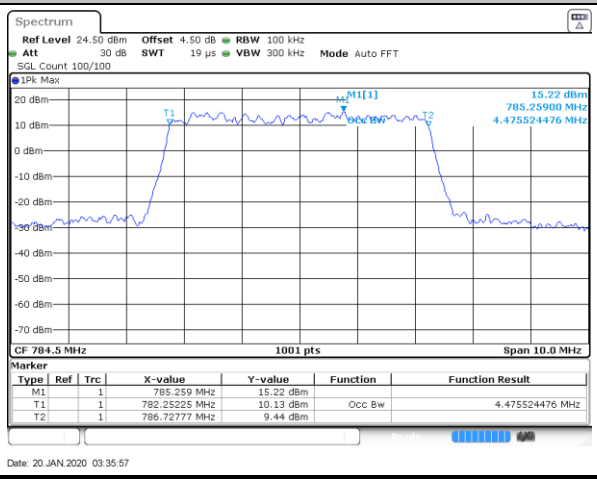
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



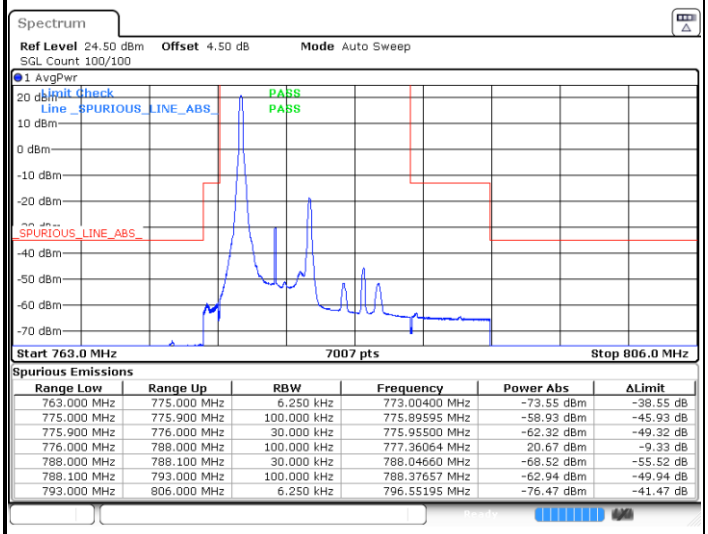
Highest Channel / 5MHz / 64QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

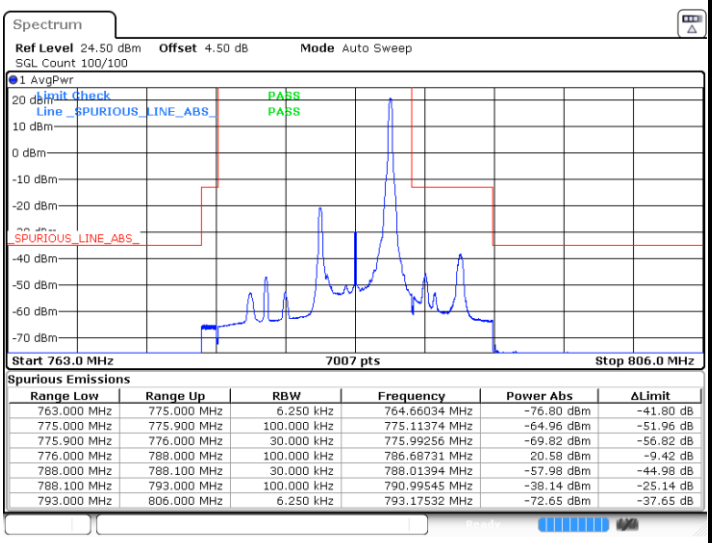


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.00400 MHz	-73.55 dBm	-38.55 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89595 MHz	-58.93 dBm	-45.93 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95500 MHz	-62.32 dBm	-49.32 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.36064 MHz	20.67 dBm	-9.33 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04660 MHz	-68.52 dBm	-55.52 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.37657 MHz	-62.94 dBm	-49.94 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.55195 MHz	-76.47 dBm	-41.47 dB

Date: 20.JAN.2020 03:04:36

Highest Band Edge / 1 RB

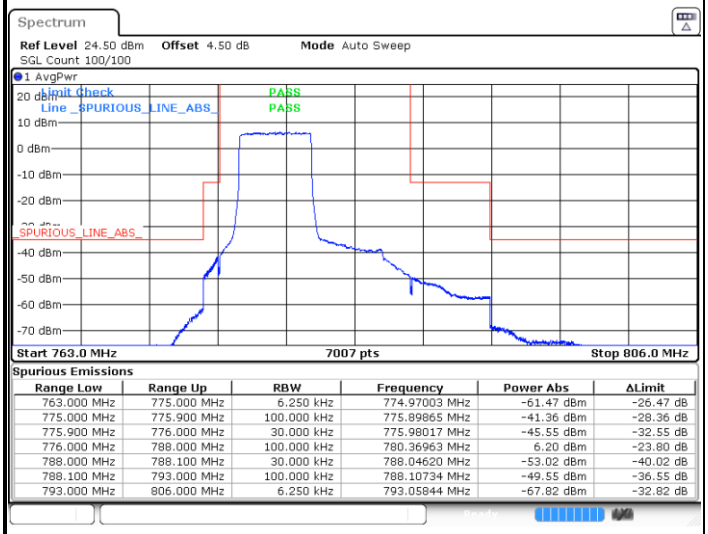


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.66034 MHz	-76.80 dBm	-41.80 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.11374 MHz	-64.96 dBm	-51.96 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99256 MHz	-69.82 dBm	-56.82 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.68731 MHz	20.58 dBm	-9.42 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01394 MHz	-57.98 dBm	-44.98 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.99545 MHz	-38.14 dBm	-25.14 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.17532 MHz	-72.65 dBm	-37.65 dB

Date: 20.JAN.2020 03:16:03

Lowest Band Edge / Full RB

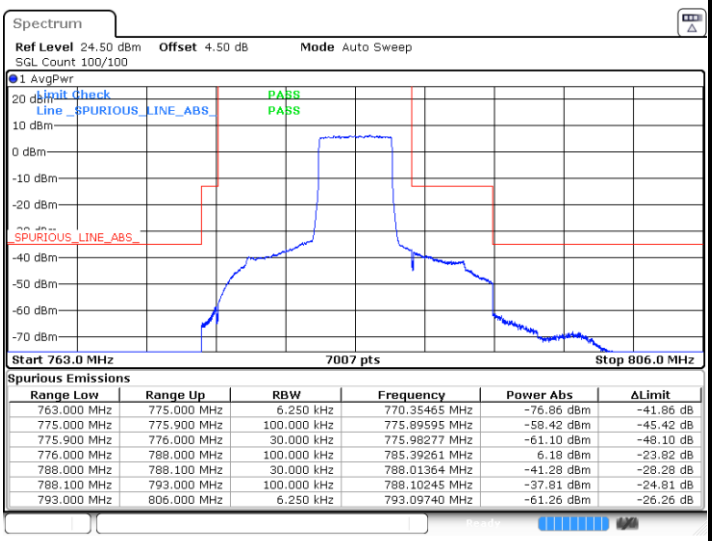


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.97003 MHz	-61.47 dBm	-26.47 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89865 MHz	-41.36 dBm	-28.36 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98017 MHz	-45.55 dBm	-32.55 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.36963 MHz	6.20 dBm	-23.80 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04620 MHz	-53.02 dBm	-40.02 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-49.55 dBm	-36.55 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.05844 MHz	-67.82 dBm	-32.82 dB

Date: 20.JAN.2020 03:02:59

Highest Band Edge / Full RB



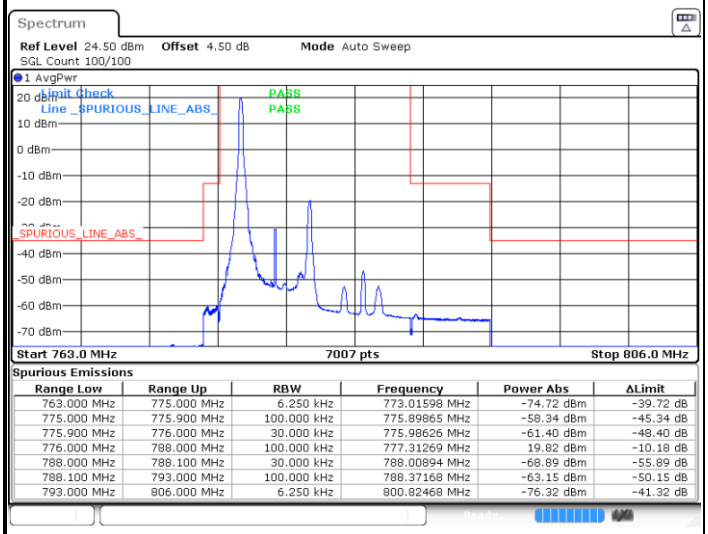
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.35465 MHz	-76.86 dBm	-41.86 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89595 MHz	-58.42 dBm	-45.42 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98277 MHz	-61.10 dBm	-48.10 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.39261 MHz	6.18 dBm	-23.82 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01364 MHz	-41.28 dBm	-28.28 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-37.81 dBm	-24.81 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.09740 MHz	-61.26 dBm	-26.26 dB

Date: 20.JAN.2020 03:14:26

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

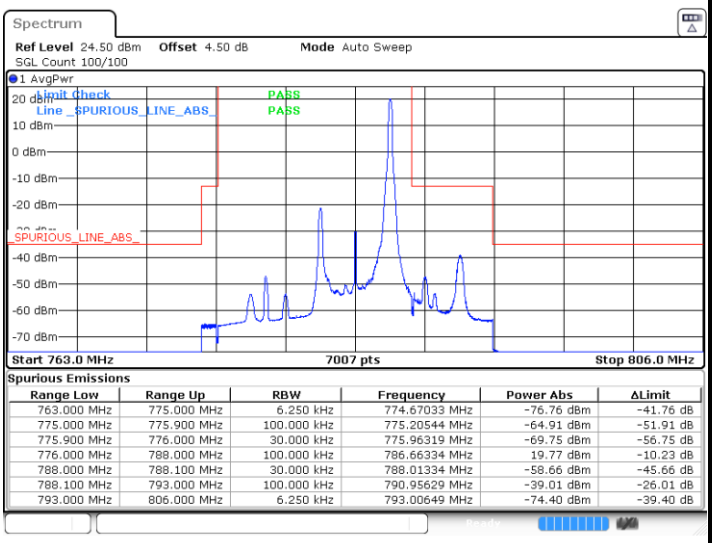


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.01598 MHz	-74.72 dBm	-39.72 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89865 MHz	-58.34 dBm	-45.34 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98626 MHz	-61.40 dBm	-48.40 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	19.82 dBm	-10.18 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00894 MHz	-68.89 dBm	-55.89 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.37168 MHz	-63.15 dBm	-50.15 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.82468 MHz	-76.32 dBm	-41.32 dB

Date: 20.JAN.2020 03:06:14

Highest Band Edge / 1 RB

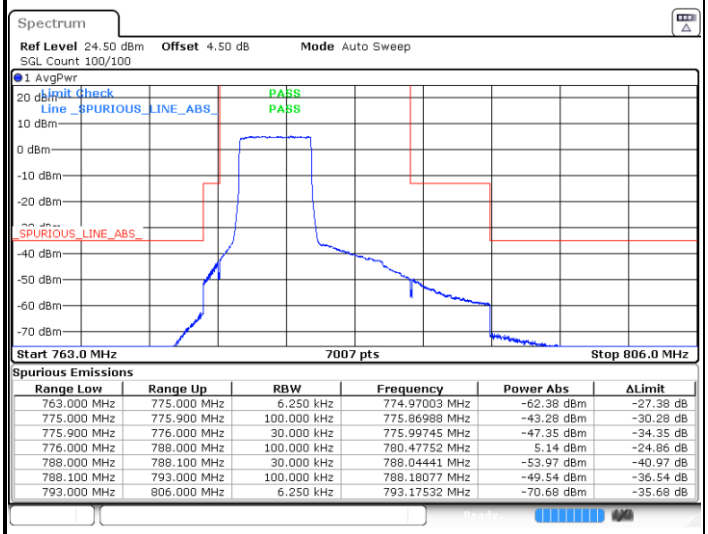


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.67033 MHz	-76.76 dBm	-41.76 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.20544 MHz	-64.91 dBm	-51.91 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96319 MHz	-69.75 dBm	-56.75 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	19.77 dBm	-10.23 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01334 MHz	-58.66 dBm	-45.66 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.95629 MHz	-39.01 dBm	-26.01 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-74.40 dBm	-39.40 dB

Date: 20.JAN.2020 03:17:41

Lowest Band Edge / Full RB

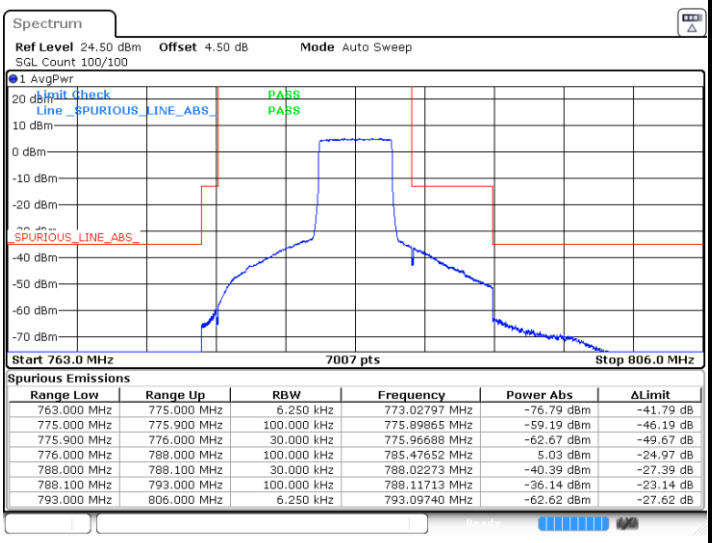


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.97003 MHz	-62.38 dBm	-27.38 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86988 MHz	-43.28 dBm	-30.28 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99745 MHz	-47.35 dBm	-34.35 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.47752 MHz	5.14 dBm	-24.86 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04441 MHz	-53.97 dBm	-40.97 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-49.54 dBm	-36.54 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.17532 MHz	-70.68 dBm	-35.68 dB

Date: 20.JAN.2020 03:01:21

Highest Band Edge / Full RB



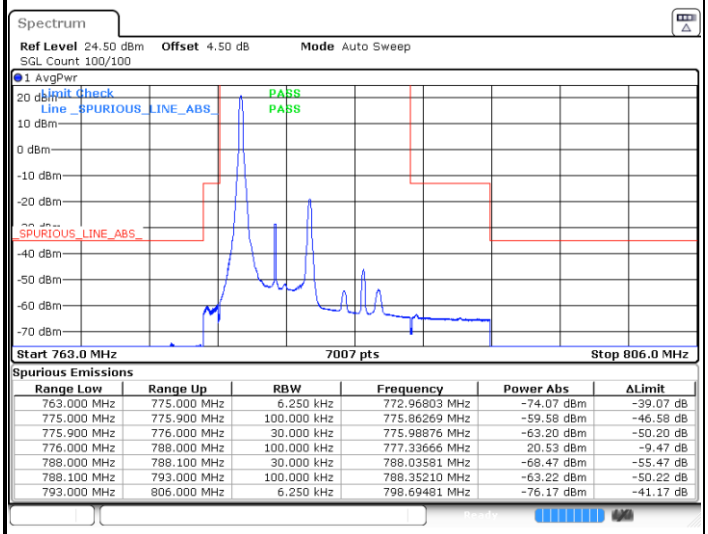
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.02797 MHz	-76.79 dBm	-41.79 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89865 MHz	-59.19 dBm	-46.19 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96688 MHz	-62.67 dBm	-49.67 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	788.02273 MHz	-40.39 dBm	-27.39 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-36.14 dBm	-23.14 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.09740 MHz	-62.62 dBm	-27.62 dB

Date: 20.JAN.2020 03:12:48

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

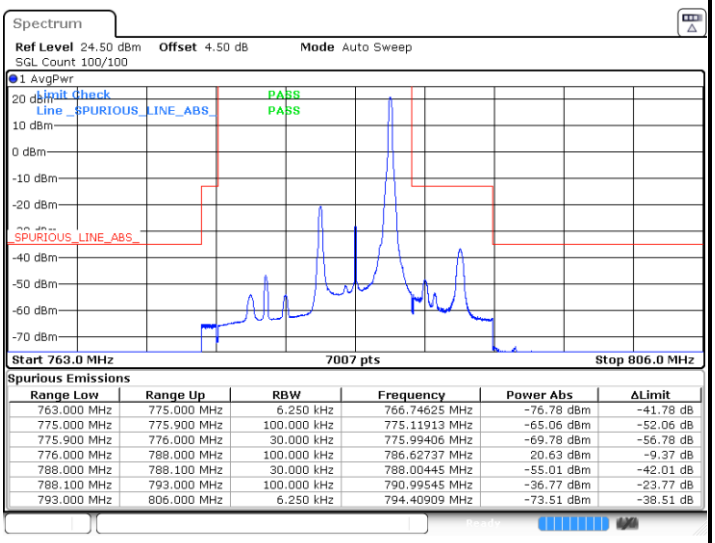


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.96803 MHz	-74.07 dBm	-39.07 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86269 MHz	-59.58 dBm	-46.58 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98876 MHz	-63.20 dBm	-50.20 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	20.53 dBm	-9.47 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03581 MHz	-68.47 dBm	-55.47 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.35210 MHz	-63.22 dBm	-50.22 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.69481 MHz	-76.17 dBm	-41.17 dB

Date: 20.JAN.2020 03:38:05

Highest Band Edge / 1 RB

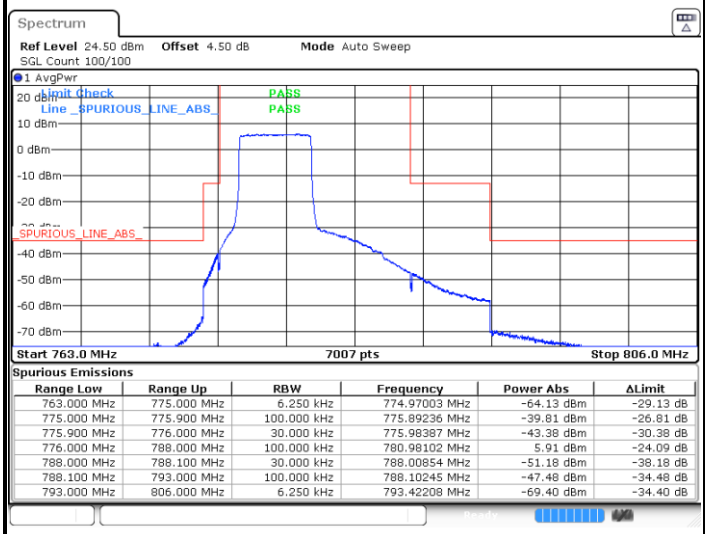


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.74625 MHz	-76.78 dBm	-41.78 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.11913 MHz	-65.06 dBm	-52.06 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99406 MHz	-69.78 dBm	-56.78 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	20.63 dBm	-9.37 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00445 MHz	-55.01 dBm	-42.01 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.99545 MHz	-36.77 dBm	-23.77 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.40909 MHz	-73.51 dBm	-38.51 dB

Date: 20.JAN.2020 03:42:58

Lowest Band Edge / Full RB

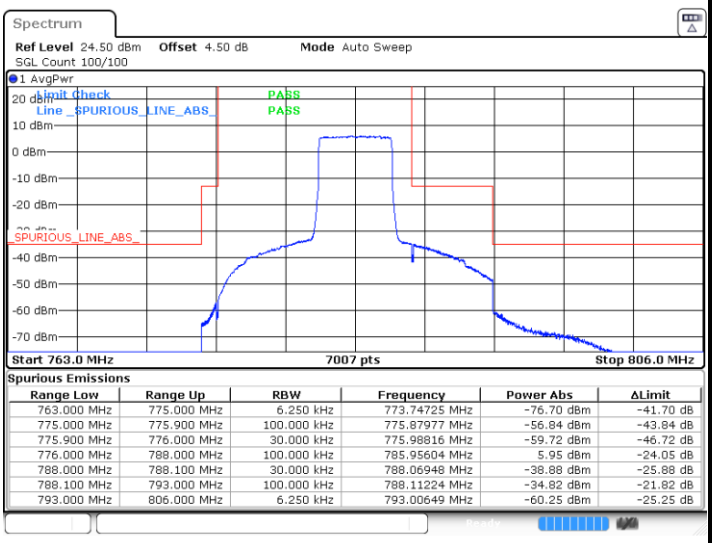


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.97003 MHz	-64.13 dBm	-29.13 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89236 MHz	-39.81 dBm	-26.81 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98387 MHz	-43.38 dBm	-30.38 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.98102 MHz	5.91 dBm	-24.09 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00854 MHz	-51.18 dBm	-38.18 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-47.48 dBm	-34.48 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.42208 MHz	-69.40 dBm	-34.40 dB

Date: 20.JAN.2020 03:39:43

Highest Band Edge / Full RB



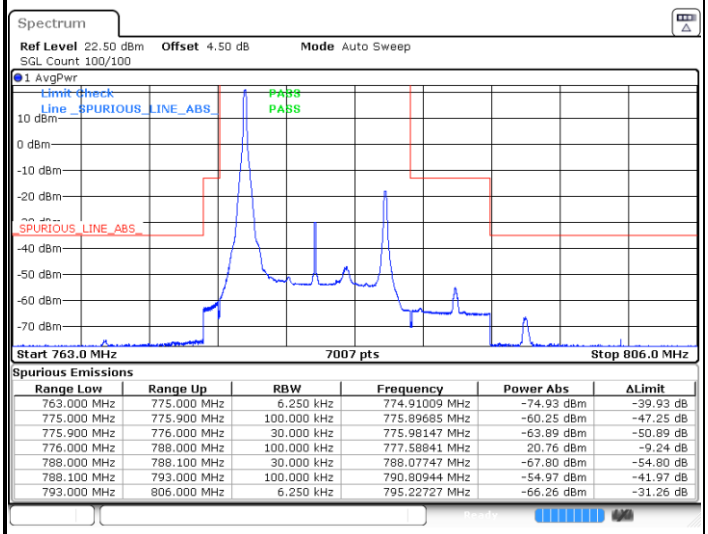
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.74725 MHz	-76.70 dBm	-41.70 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87977 MHz	-56.84 dBm	-43.84 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98816 MHz	-59.72 dBm	-46.72 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.95604 MHz	5.95 dBm	-24.05 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06948 MHz	-38.88 dBm	-25.88 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-34.82 dBm	-21.82 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-60.25 dBm	-25.25 dB

Date: 20.JAN.2020 03:41:20

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

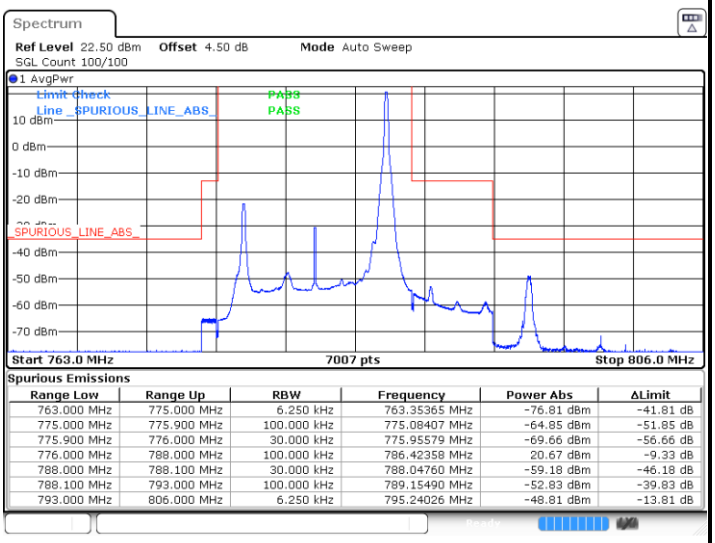


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.91009 MHz	-74.93 dBm	-39.93 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89685 MHz	-60.25 dBm	-47.25 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98147 MHz	-63.89 dBm	-50.89 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.58841 MHz	20.76 dBm	-9.24 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07747 MHz	-67.80 dBm	-54.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.80944 MHz	-54.97 dBm	-41.97 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.22727 MHz	-66.26 dBm	-31.26 dB

Date: 20.JAN.2020 03:25:13

Highest Band Edge / 1 RB

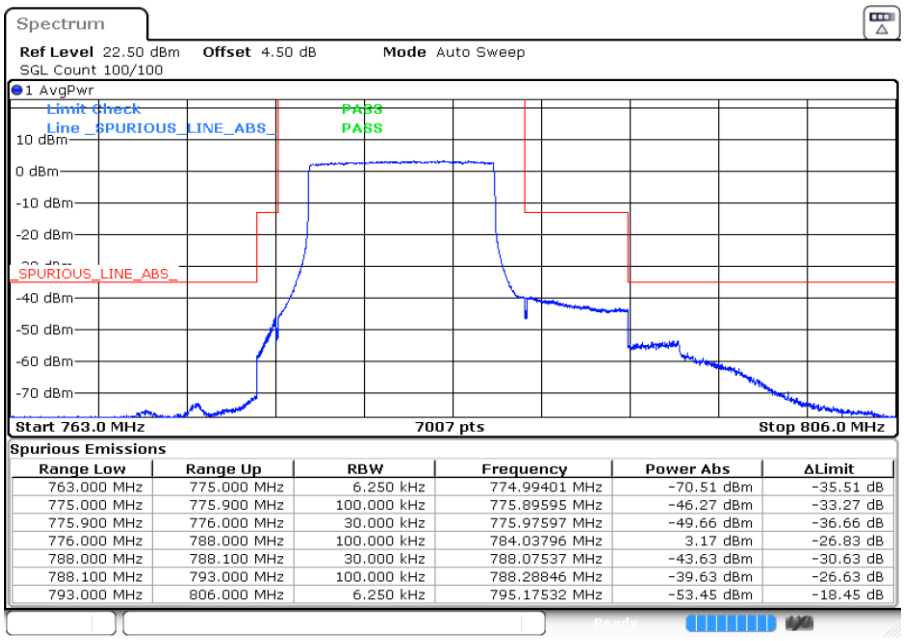


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.35365 MHz	-76.81 dBm	-41.81 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.08407 MHz	-64.85 dBm	-51.85 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95579 MHz	-69.66 dBm	-56.66 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.42358 MHz	20.67 dBm	-9.33 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04760 MHz	-59.18 dBm	-46.18 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.15490 MHz	-52.83 dBm	-39.83 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.24026 MHz	-48.81 dBm	-13.81 dB

Date: 20.JAN.2020 03:31:43

Band Edge / Full RB



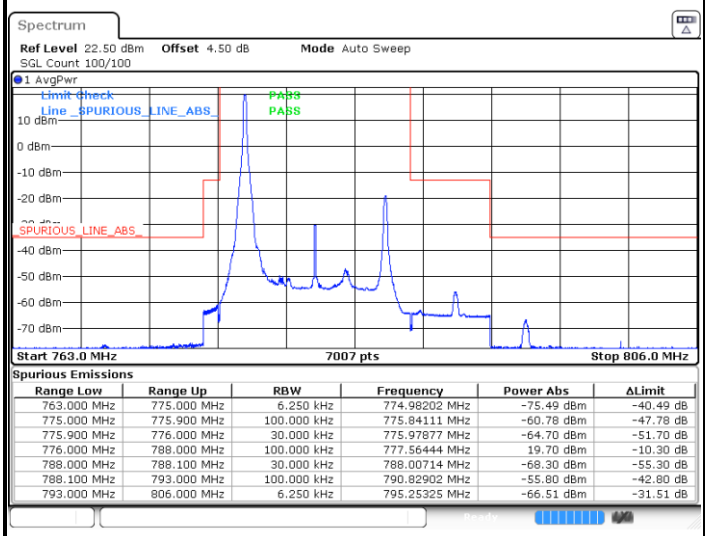
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-70.51 dBm	-35.51 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89595 MHz	-46.27 dBm	-33.27 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97597 MHz	-49.66 dBm	-36.66 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.03796 MHz	3.17 dBm	-26.83 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07537 MHz	-43.63 dBm	-30.63 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.28846 MHz	-39.63 dBm	-26.63 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.17532 MHz	-53.45 dBm	-18.45 dB

Date: 20.JAN.2020 03:26:50

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

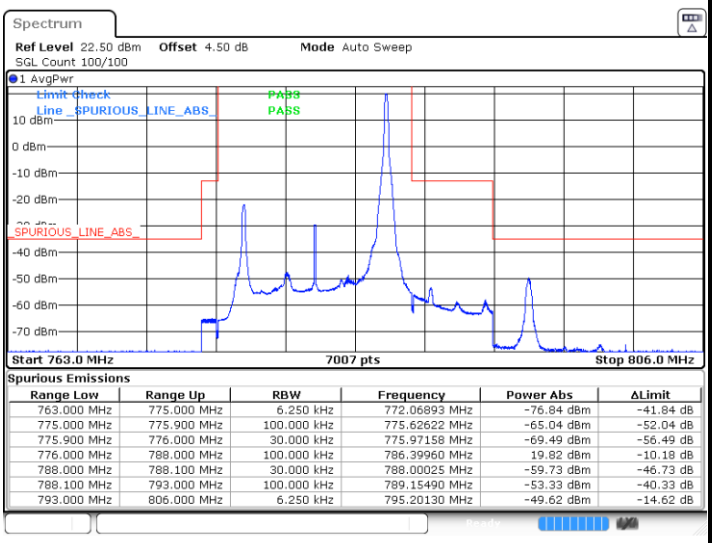


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-75.49 dBm	-40.49 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84111 MHz	-60.78 dBm	-47.78 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97877 MHz	-64.70 dBm	-51.70 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.56444 MHz	19.70 dBm	-10.30 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00714 MHz	-68.30 dBm	-55.30 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.82902 MHz	-55.80 dBm	-42.80 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.25325 MHz	-66.51 dBm	-31.51 dB

Date: 20.JAN.2020 03:23:35

Highest Band Edge / 1 RB

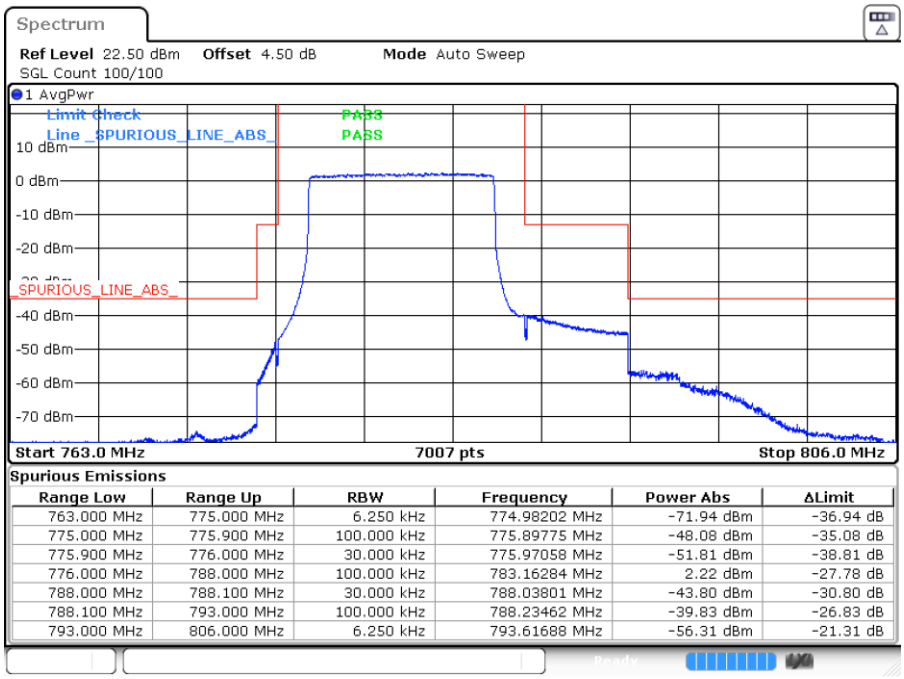


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.06893 MHz	-76.84 dBm	-41.84 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.62622 MHz	-65.04 dBm	-52.04 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97158 MHz	-69.49 dBm	-56.49 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	19.82 dBm	-10.18 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00025 MHz	-59.73 dBm	-46.73 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.15490 MHz	-53.33 dBm	-40.33 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.20130 MHz	-49.62 dBm	-14.62 dB

Date: 20.JAN.2020 03:30:05

Band Edge / Full RB



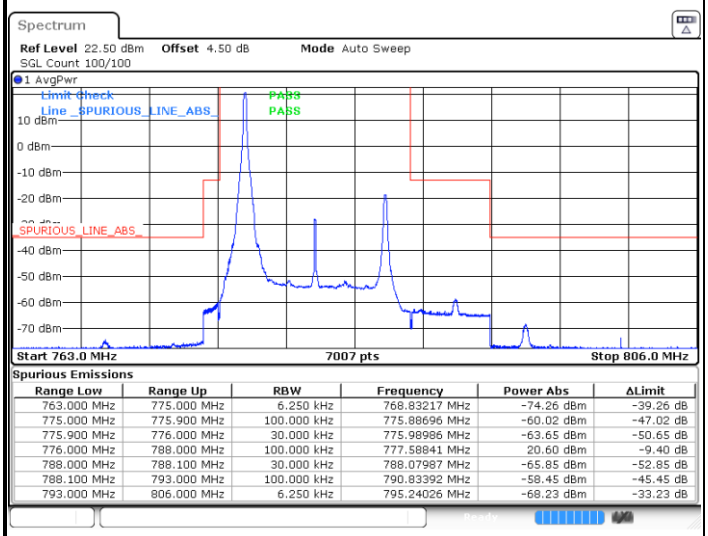
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-71.94 dBm	-36.94 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89775 MHz	-48.08 dBm	-35.08 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97058 MHz	-51.81 dBm	-38.81 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.16284 MHz	2.22 dBm	-27.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03801 MHz	-43.80 dBm	-30.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.23462 MHz	-39.83 dBm	-26.83 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.61688 MHz	-56.31 dBm	-21.31 dB

Date: 20.JAN.2020 03:28:28

LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

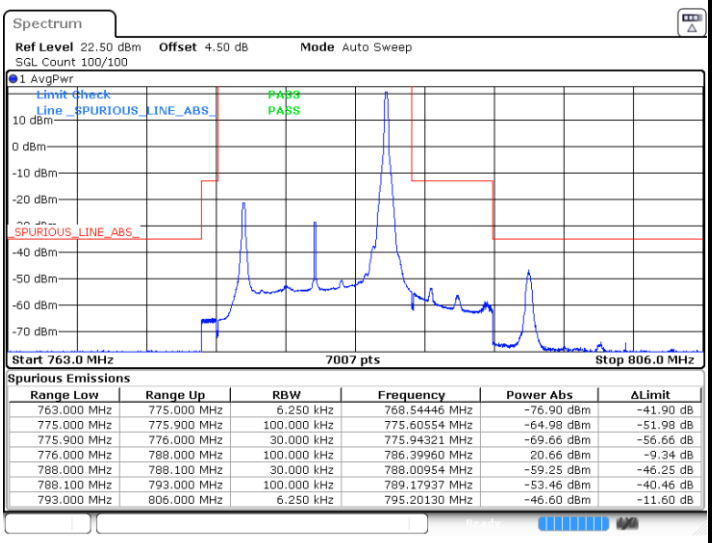


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.83217 MHz	-74.26 dBm	-39.26 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88696 MHz	-60.02 dBm	-47.02 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98986 MHz	-63.65 dBm	-50.65 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.58841 MHz	20.60 dBm	-9.40 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07987 MHz	-65.85 dBm	-52.85 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.83392 MHz	-58.45 dBm	-45.45 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.24026 MHz	-68.23 dBm	-33.23 dB

Date: 20.JAN.2020 03:47:38

Highest Band Edge / 1 RB

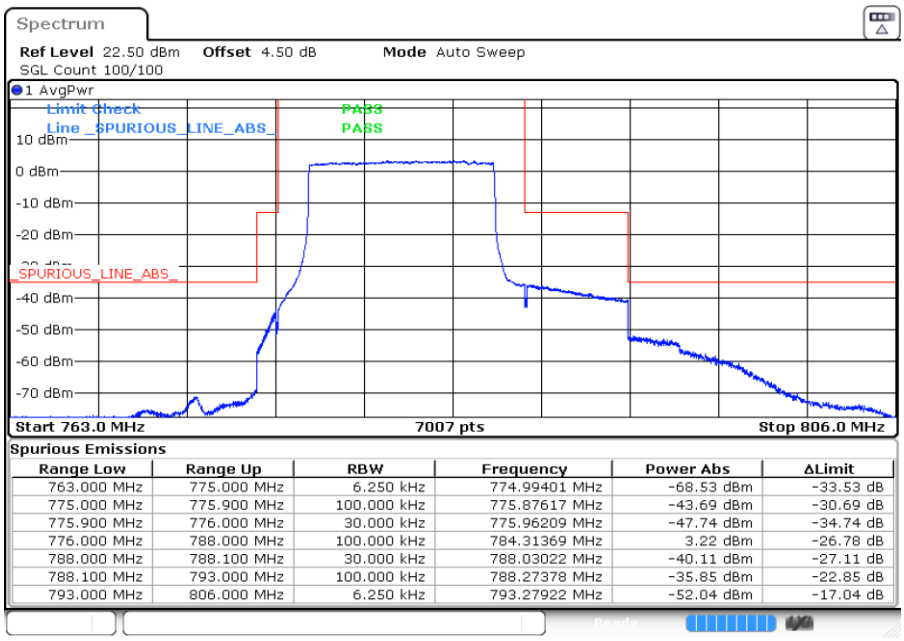


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.54446 MHz	-76.90 dBm	-41.90 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.60554 MHz	-64.98 dBm	-51.98 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94321 MHz	-69.66 dBm	-56.66 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	20.66 dBm	-9.34 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00954 MHz	-59.25 dBm	-46.25 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.17937 MHz	-53.46 dBm	-40.46 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.20130 MHz	-46.60 dBm	-11.60 dB

Date: 20.JAN.2020 03:49:16

Band Edge / Full RB



Spurious Emissions

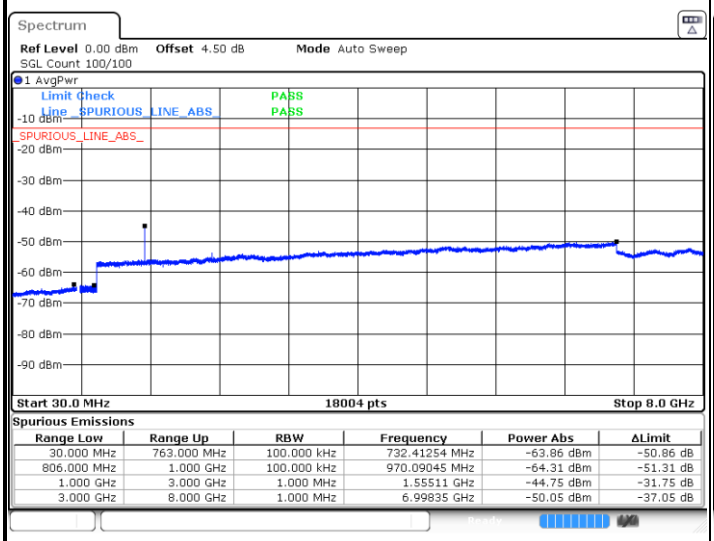
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-68.53 dBm	-33.53 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87617 MHz	-43.69 dBm	-30.69 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96209 MHz	-47.74 dBm	-34.74 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.31369 MHz	3.22 dBm	-26.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03022 MHz	-40.11 dBm	-27.11 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27378 MHz	-35.85 dBm	-22.85 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.27922 MHz	-52.04 dBm	-17.04 dB

Date: 20.JAN.2020 03:50:53

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

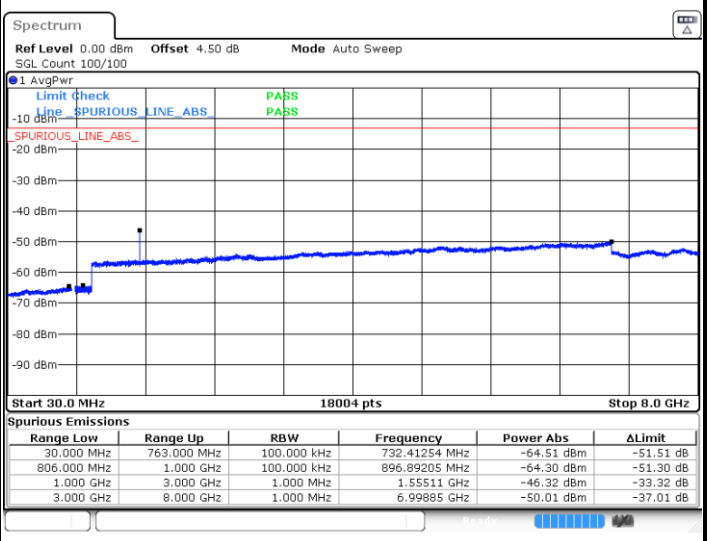


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	732.41254 MHz	-63.86 dBm	-50.86 dB
806.000 MHz	1.000 GHz	100.000 kHz	970.09045 MHz	-64.31 dBm	-51.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-44.75 dBm	-31.75 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99835 GHz	-50.05 dBm	-37.05 dB

Date: 20.JAN.2020 03:08:02

Lowest Channel / 16QAM

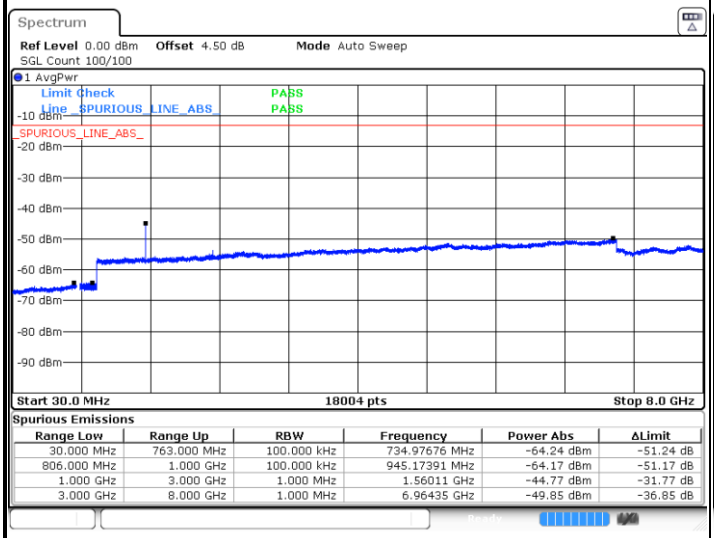


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	732.41254 MHz	-64.51 dBm	-51.51 dB
806.000 MHz	1.000 GHz	100.000 kHz	896.89205 MHz	-64.30 dBm	-51.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-46.32 dBm	-33.32 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99885 GHz	-50.01 dBm	-37.01 dB

Date: 20.JAN.2020 03:07:07

Middle Channel / QPSK

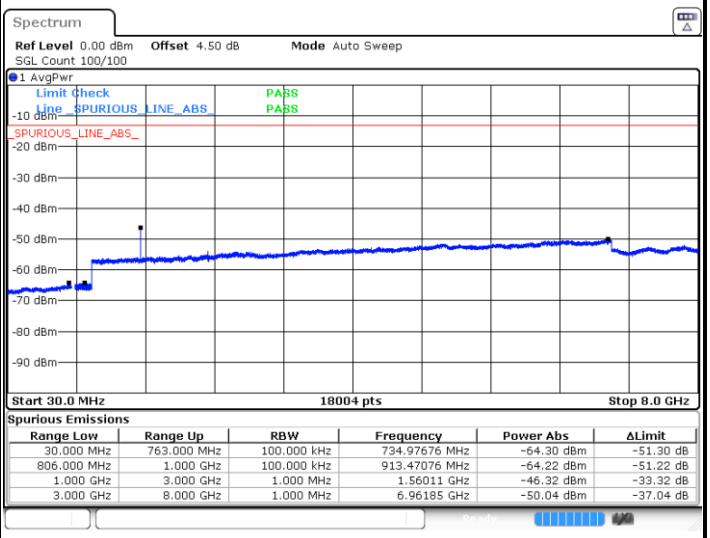


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	734.97676 MHz	-64.24 dBm	-51.24 dB
806.000 MHz	1.000 GHz	100.000 kHz	945.17391 MHz	-64.17 dBm	-51.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-44.77 dBm	-31.77 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.96435 GHz	-49.85 dBm	-36.85 dB

Date: 20.JAN.2020 03:09:36

Middle Channel / 16QAM



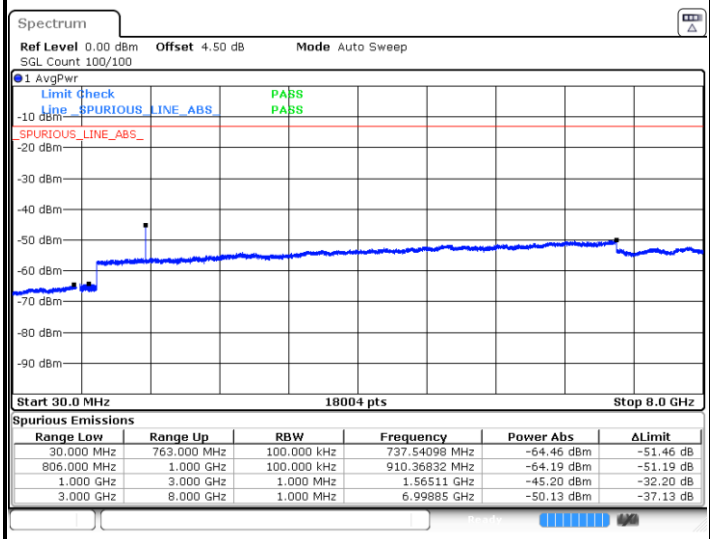
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	734.97676 MHz	-64.30 dBm	-51.30 dB
806.000 MHz	1.000 GHz	100.000 kHz	913.47076 MHz	-64.22 dBm	-51.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-46.32 dBm	-33.32 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.96185 GHz	-50.04 dBm	-37.04 dB

Date: 20.JAN.2020 03:10:30

LTE Band 13 / 5MHz

Highest Channel / QPSK

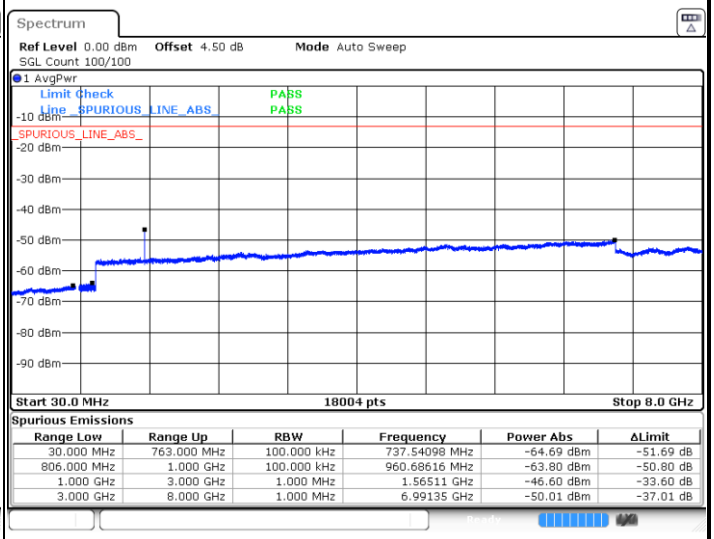


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	737.54098 MHz	-64.46 dBm	-51.46 dB
806.000 MHz	1.000 GHz	100.000 kHz	910.36832 MHz	-64.19 dBm	-51.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.20 dBm	-32.20 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99885 GHz	-50.13 dBm	-37.13 dB

Date: 20.JAN.2020 03:19:29

Highest Channel / 16QAM



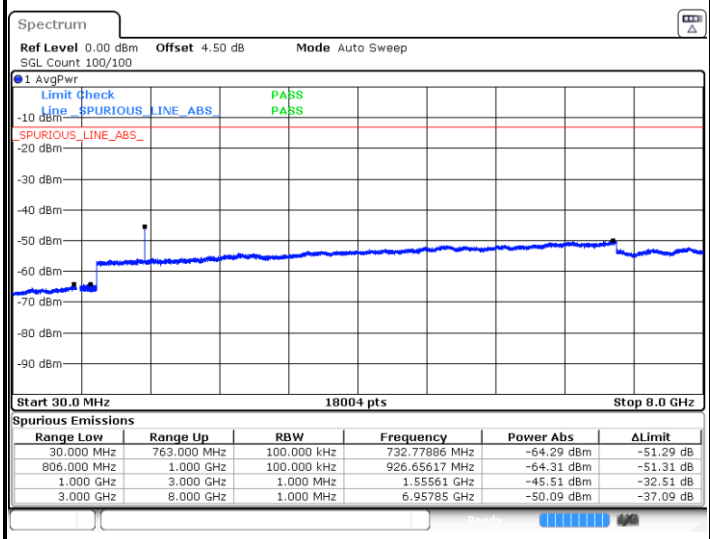
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	737.54098 MHz	-64.69 dBm	-51.69 dB
806.000 MHz	1.000 GHz	100.000 kHz	960.68616 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-46.60 dBm	-33.60 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99135 GHz	-50.01 dBm	-37.01 dB

Date: 20.JAN.2020 03:18:34

LTE Band 13 / 10MHz

Middle Channel / QPSK

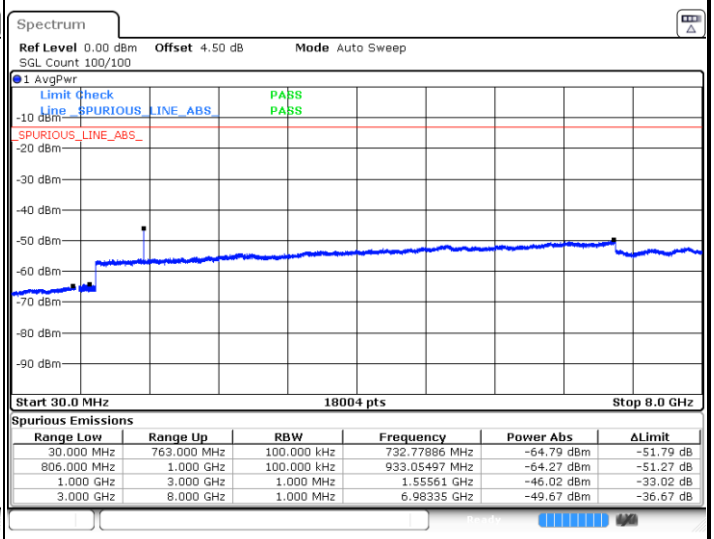


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	732.77886 MHz	-64.29 dBm	-51.29 dB
806.000 MHz	1.000 GHz	100.000 kHz	926.65617 MHz	-64.31 dBm	-51.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-45.51 dBm	-32.51 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.95785 GHz	-50.09 dBm	-37.09 dB

Date: 20.JAN.2020 03:20:23

Middle Channel / 16QAM



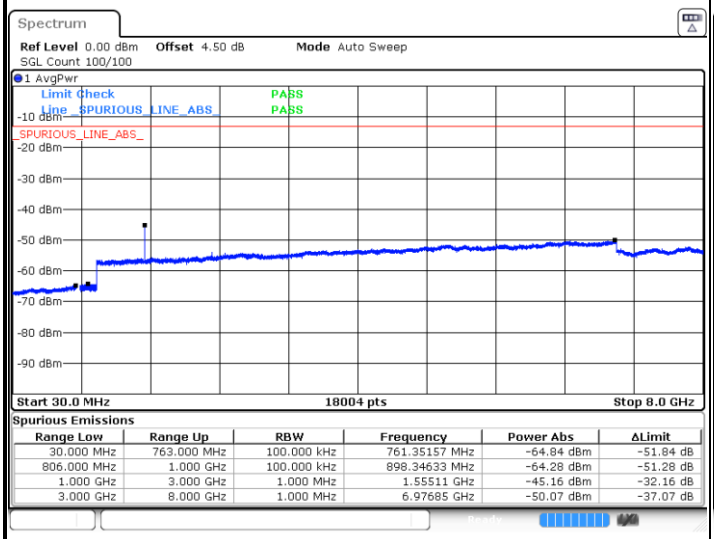
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	732.77886 MHz	-64.79 dBm	-51.79 dB
806.000 MHz	1.000 GHz	100.000 kHz	933.05497 MHz	-64.27 dBm	-51.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-46.02 dBm	-33.02 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98335 GHz	-49.67 dBm	-36.67 dB

Date: 20.JAN.2020 03:21:17

LTE Band 13 / 5MHz

Lowest Channel / 64QAM

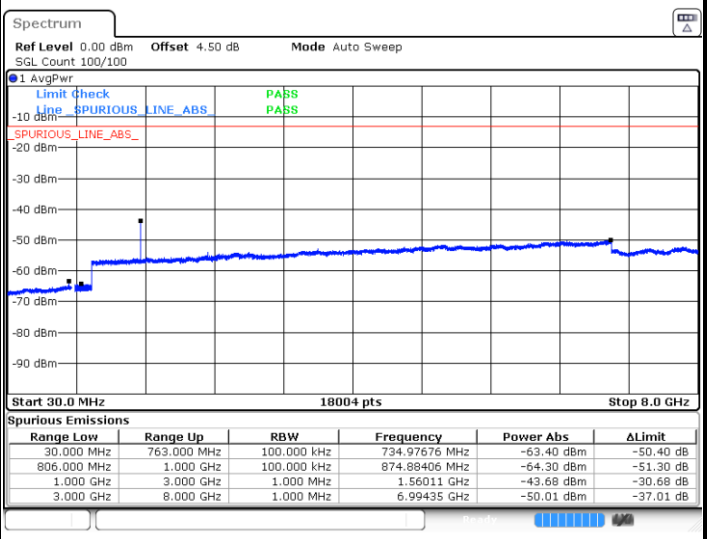


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.35157 MHz	-64.84 dBm	-51.84 dB
806.000 MHz	1.000 GHz	100.000 kHz	898.34633 MHz	-64.28 dBm	-51.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-45.16 dBm	-32.16 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.97685 GHz	-50.07 dBm	-37.07 dB

Date: 20.JAN.2020 03:43:51

Middle Channel / 64QAM

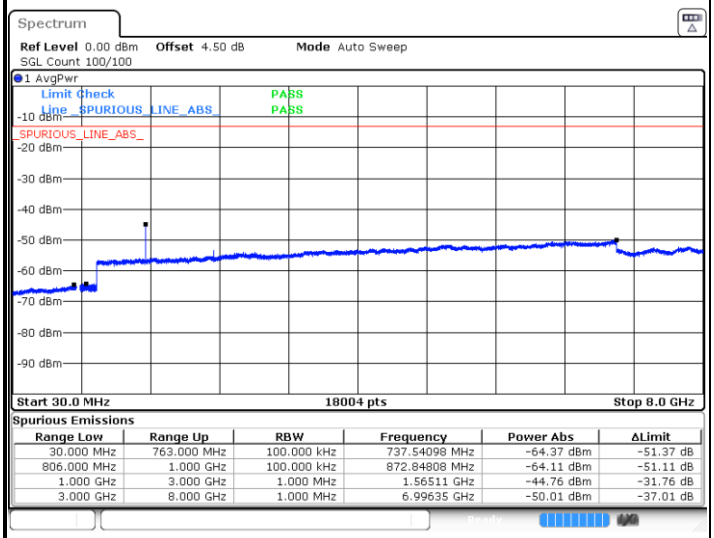


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	734.97676 MHz	-63.40 dBm	-50.40 dB
806.000 MHz	1.000 GHz	100.000 kHz	874.88406 MHz	-64.30 dBm	-51.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-43.68 dBm	-30.68 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99435 GHz	-50.01 dBm	-37.01 dB

Date: 20.JAN.2020 03:44:45

Highest Channel / 64QAM

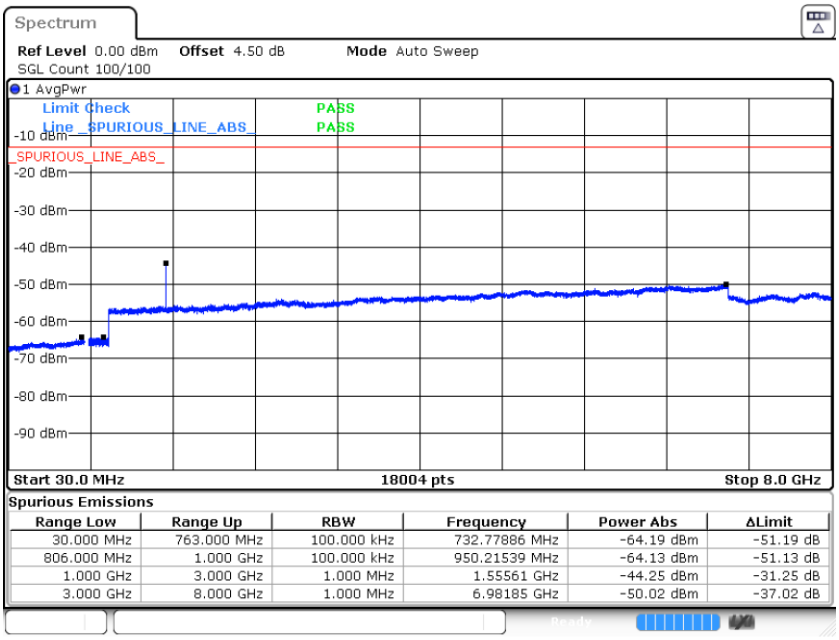


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	737.54098 MHz	-64.37 dBm	-51.37 dB
806.000 MHz	1.000 GHz	100.000 kHz	872.84808 MHz	-64.11 dBm	-51.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-44.76 dBm	-31.76 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99635 GHz	-50.01 dBm	-37.01 dB

Date: 20.JAN.2020 03:45:40

LTE Band 13 / 10MHz
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	732.77886 MHz	-64.19 dBm	-51.19 dB
806.000 MHz	1.000 GHz	100.000 kHz	950.21539 MHz	-64.13 dBm	-51.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-44.25 dBm	-31.25 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98185 GHz	-50.02 dBm	-37.02 dB

Date: 20.JAN.2020 03:51:47

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0058	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0046	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 2 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-57.25	-13	-44.25	-69.51	2.641	14.90	H
	5613	-55.23	-13	-42.23	-67.09	2.94	14.80	H
	7488	-50.17	-13	-37.17	-59.94	3.39	13.16	H
	3741	-56.44	-13	-43.44	-68.70	2.64	14.90	V
	5613	-54.44	-13	-41.44	-66.30	2.94	14.80	V
	7488	-49.41	-13	-36.41	-59.18	3.39	13.16	V

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

LTE Band 5 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-57.48	-13	-44.48	-64.45	1.58	10.70	H
	2496	-45.34	-13	-32.34	-53.59	2.102	12.50	H
	3330	-63.00	-13	-50.00	-71.89	2.856	13.90	H
	1664	-57.18	-13	-44.18	-64.15	1.58	10.70	V
	2496	-42.18	-13	-29.18	-50.43	2.10	12.50	V
	3330	-63.22	-13	-50.22	-72.11	2.86	13.90	V

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

LTE Band 13 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-60.62	-42.15	-18.47	-63.25	1.09	5.87	H
	2340	-56.12	-13	-43.12	-58.52	1.37	5.92	H
	3120	-62.83	-13	-49.83	-66.72	1.64	7.68	H
	1560	-58.41	-42.15	-16.26	-61.04	1.09	5.87	V
	2340	-51.22	-13	-38.22	-53.62	1.37	5.92	V
	3120	-62.53	-13	-49.53	-66.42	1.64	7.68	V

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

LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-62.77	-13	-49.77	-65.40	1.09	5.87	H
	2332	-57.85	-13	-44.85	-60.25	1.37	5.92	H
	3108	-62.79	-13	-49.79	-66.68	1.64	7.68	H
	1556	-60.19	-13	-47.19	-62.82	1.09	5.87	V
	2332	-53.85	-13	-40.85	-56.25	1.37	5.92	V
	3108	-62.95	-13	-49.95	-66.84	1.64	7.68	V

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