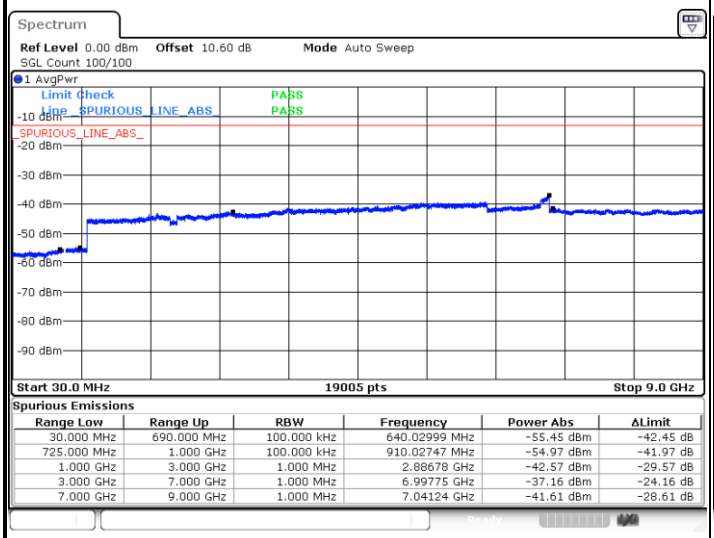
LTE Band 12 / 1.4MHz

Highest Channel / QPSK

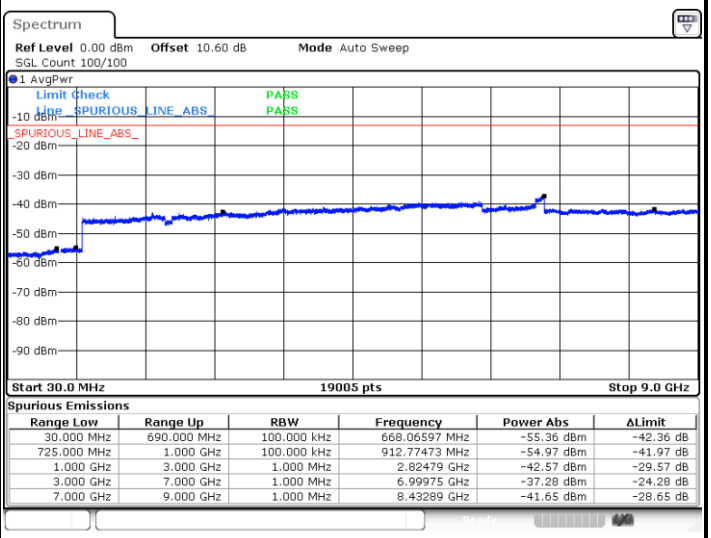


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	640.02999 MHz	-55.45 dBm	-42.45 dB
725.000 MHz	1.000 GHz	100.000 kHz	910.02747 MHz	-54.97 dBm	-41.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.88678 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-37.16 dBm	-24.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04124 GHz	-41.61 dBm	-28.61 dB

Date: 14.JAN.2020 20:50:37

Highest Channel / 16QAM



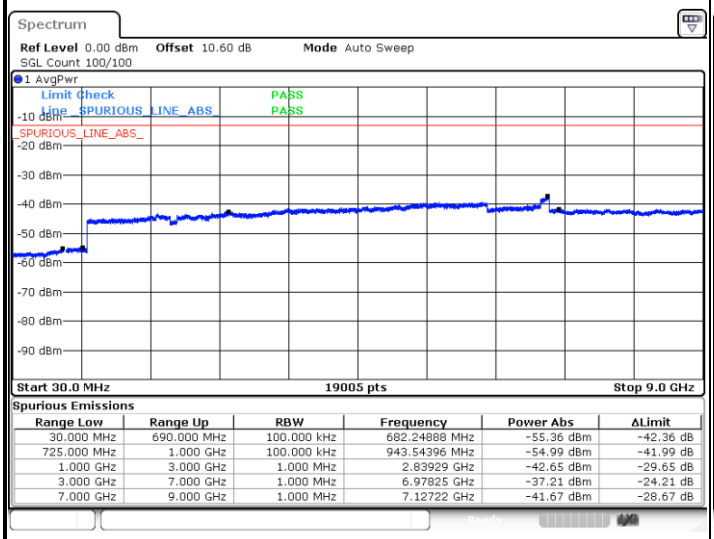
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.06597 MHz	-55.36 dBm	-42.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	912.77473 MHz	-54.97 dBm	-41.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82479 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-37.28 dBm	-24.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.43289 GHz	-41.65 dBm	-28.65 dB

Date: 14.JAN.2020 20:51:30

LTE Band 12 / 3MHz

Lowest Channel / QPSK

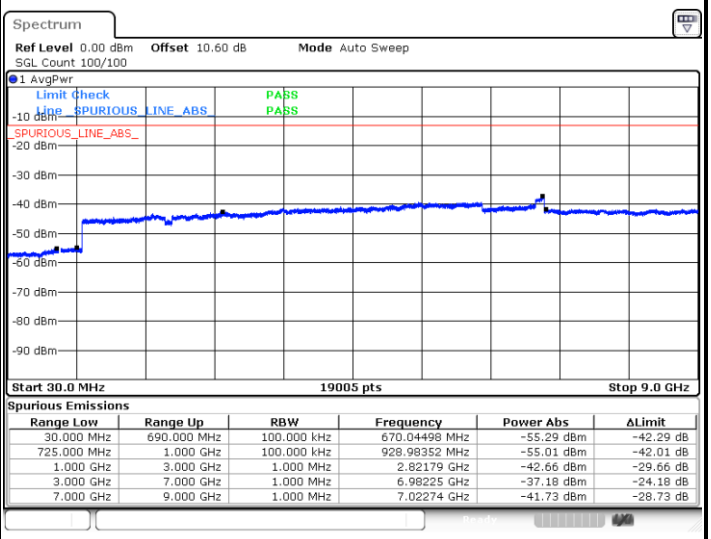


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.24888 MHz	-55.36 dBm	-42.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	943.54396 MHz	-54.99 dBm	-41.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83929 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97825 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.12722 GHz	-41.67 dBm	-28.67 dB

Date: 14.JAN.2020 21:05:30

Lowest Channel / 16QAM



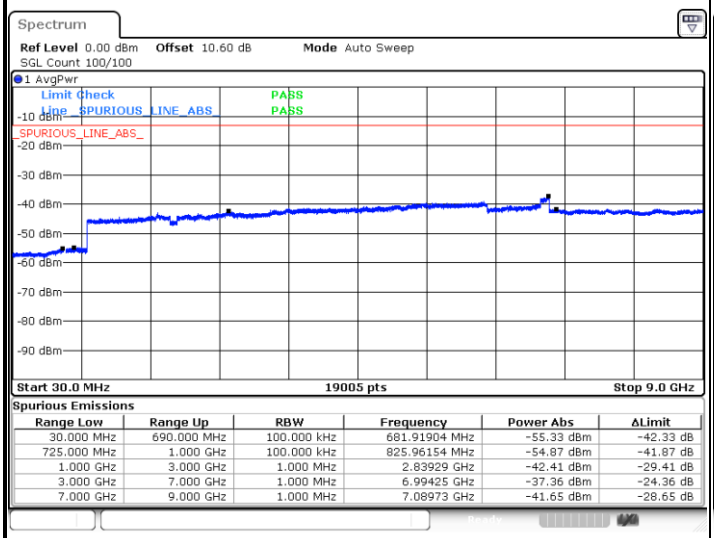
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-55.29 dBm	-42.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	928.98352 MHz	-55.01 dBm	-42.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82179 GHz	-42.66 dBm	-29.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-37.18 dBm	-24.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02274 GHz	-41.73 dBm	-28.73 dB

Date: 14.JAN.2020 21:06:23

LTE Band 12 / 3MHz

Middle Channel / QPSK

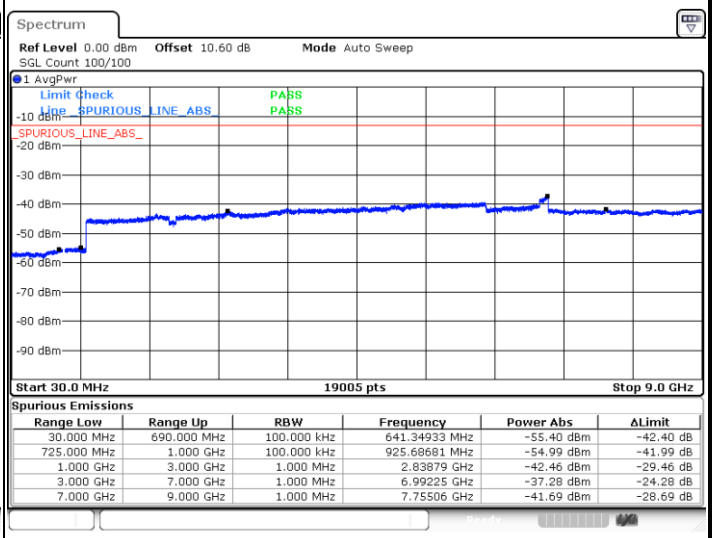


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.91904 MHz	-55.33 dBm	-42.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	825.96154 MHz	-54.87 dBm	-41.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83929 GHz	-42.41 dBm	-29.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-37.36 dBm	-24.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08973 GHz	-41.65 dBm	-28.65 dB

Date: 14.JAN.2020 21:09:03

Middle Channel / 16QAM

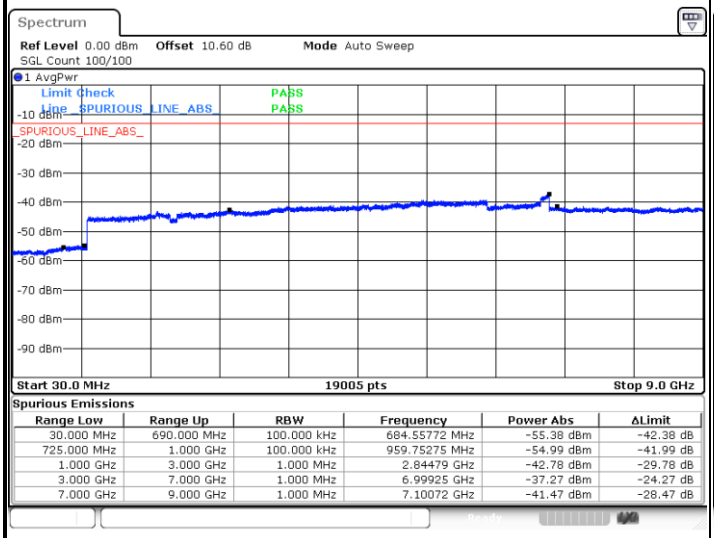


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	641.34933 MHz	-55.40 dBm	-42.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	925.68681 MHz	-54.99 dBm	-41.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83879 GHz	-42.46 dBm	-29.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-37.28 dBm	-24.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75506 GHz	-41.69 dBm	-28.69 dB

Date: 14.JAN.2020 21:08:10

Highest Channel / QPSK

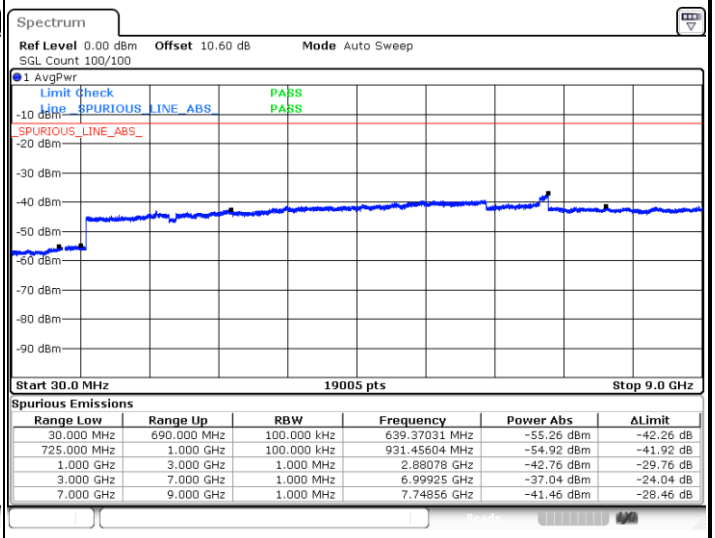


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.55772 MHz	-55.38 dBm	-42.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	959.75275 MHz	-54.99 dBm	-41.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84479 GHz	-42.78 dBm	-29.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-37.27 dBm	-24.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.10072 GHz	-41.47 dBm	-28.47 dB

Date: 14.JAN.2020 21:14:56

Highest Channel / 16QAM



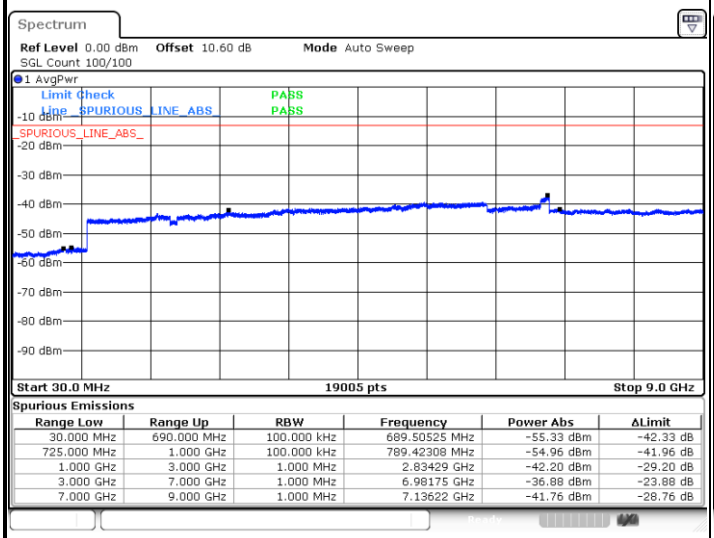
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	639.37031 MHz	-55.26 dBm	-42.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	931.45604 MHz	-54.92 dBm	-41.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.88078 GHz	-42.76 dBm	-29.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-37.04 dBm	-24.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.74856 GHz	-41.46 dBm	-28.46 dB

Date: 14.JAN.2020 21:15:50

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	689.50525 MHz	-55.33 dBm	-42.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	789.42308 MHz	-54.96 dBm	-41.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83429 GHz	-42.20 dBm	-29.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-36.88 dBm	-23.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.13622 GHz	-41.76 dBm	-28.76 dB

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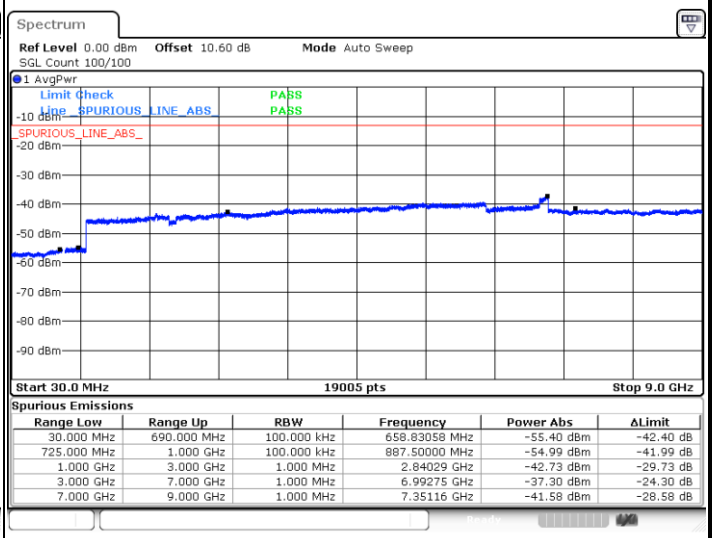
Lowest Channel / 16QAM

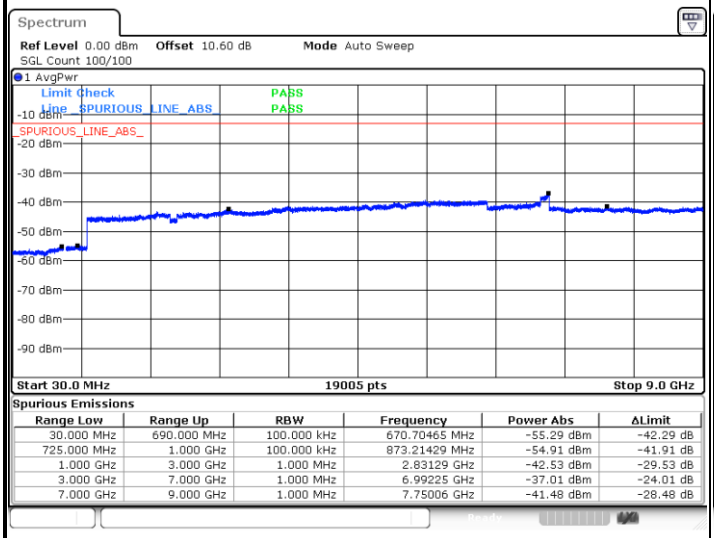


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	658.83058 MHz	-55.40 dBm	-42.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	887.50000 MHz	-54.99 dBm	-41.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84029 GHz	-42.73 dBm	-29.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-37.30 dBm	-24.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.35116 GHz	-41.58 dBm	-28.58 dB

Date: 14.JAN.2020 21:41:28

Middle Channel / QPSK

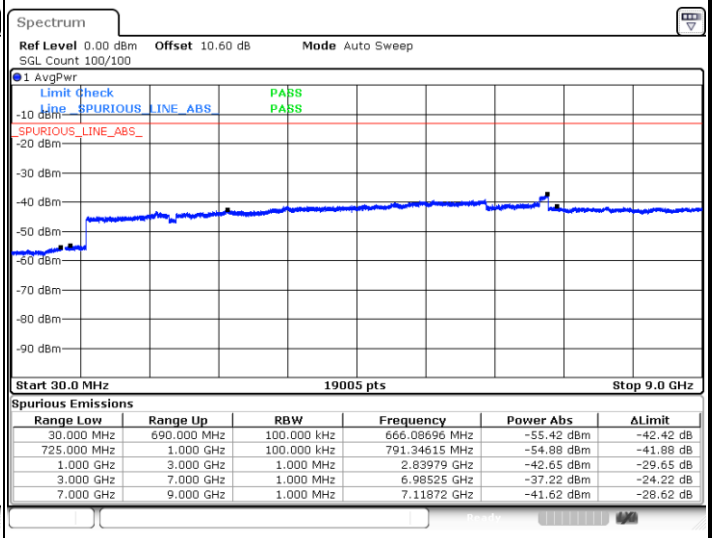


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.70465 MHz	-55.29 dBm	-42.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	873.21429 MHz	-54.91 dBm	-41.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83129 GHz	-42.53 dBm	-29.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-37.01 dBm	-24.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75006 GHz	-41.48 dBm	-28.48 dB

Date: 14.JAN.2020 21:44:07

Middle Channel / 16QAM



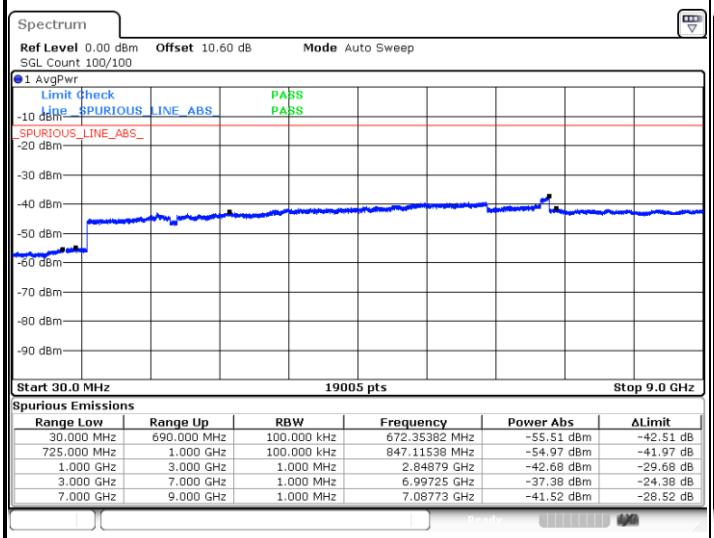
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.08696 MHz	-55.42 dBm	-42.42 dB
725.000 MHz	1.000 GHz	100.000 kHz	791.34615 MHz	-54.88 dBm	-41.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83979 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-37.22 dBm	-24.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.11872 GHz	-41.62 dBm	-28.62 dB

Date: 14.JAN.2020 21:43:14

LTE Band 12 / 5MHz

Highest Channel / QPSK

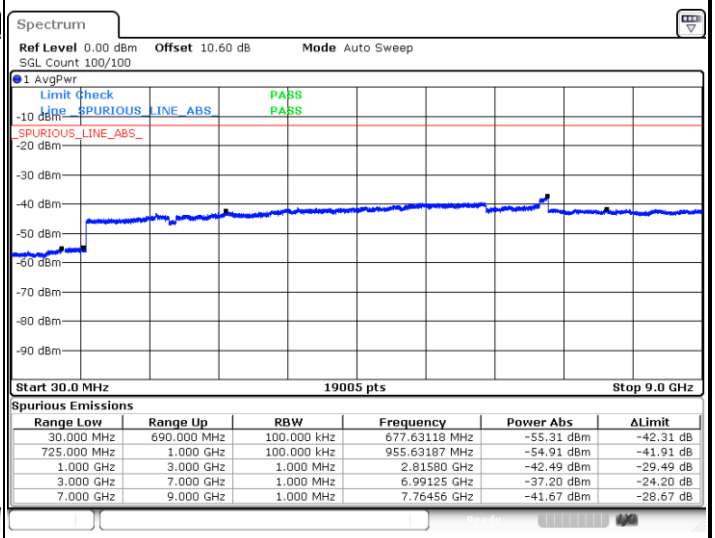


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	672.35382 MHz	-55.51 dBm	-42.51 dB
725.000 MHz	1.000 GHz	100.000 kHz	847.11538 MHz	-54.97 dBm	-41.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84879 GHz	-42.68 dBm	-29.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-37.38 dBm	-24.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08773 GHz	-41.52 dBm	-28.52 dB

Date: 14.JAN.2020 21:50:52

Highest Channel / 16QAM



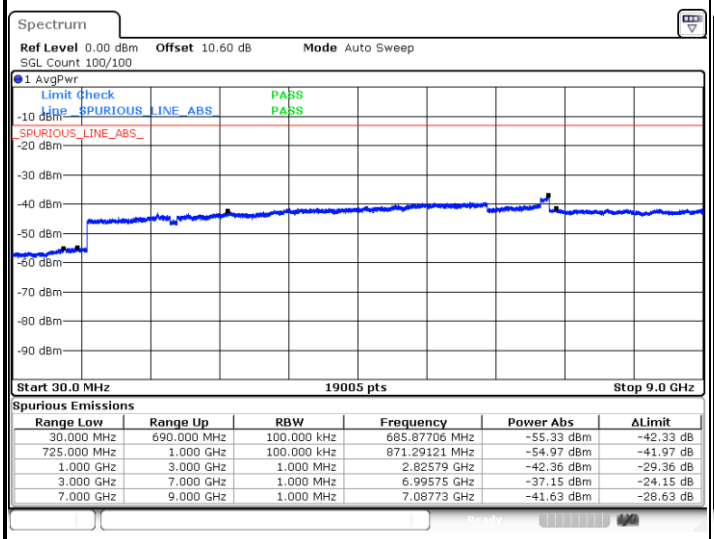
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	677.63118 MHz	-55.31 dBm	-42.31 dB
725.000 MHz	1.000 GHz	100.000 kHz	955.63187 MHz	-54.91 dBm	-41.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81580 GHz	-42.49 dBm	-29.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-37.20 dBm	-24.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.76456 GHz	-41.67 dBm	-28.67 dB

Date: 14.JAN.2020 21:49:59

LTE Band 12 / 10MHz

Lowest Channel / QPSK

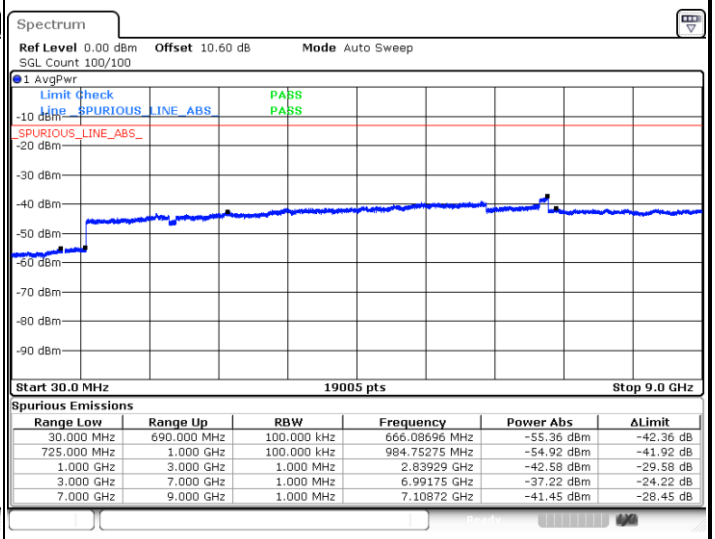


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.87706 MHz	-55.33 dBm	-42.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	871.29121 MHz	-54.97 dBm	-41.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82579 GHz	-42.36 dBm	-29.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-37.15 dBm	-24.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08773 GHz	-41.63 dBm	-28.63 dB

Date: 14.JAN.2020 21:56:48

Lowest Channel / 16QAM



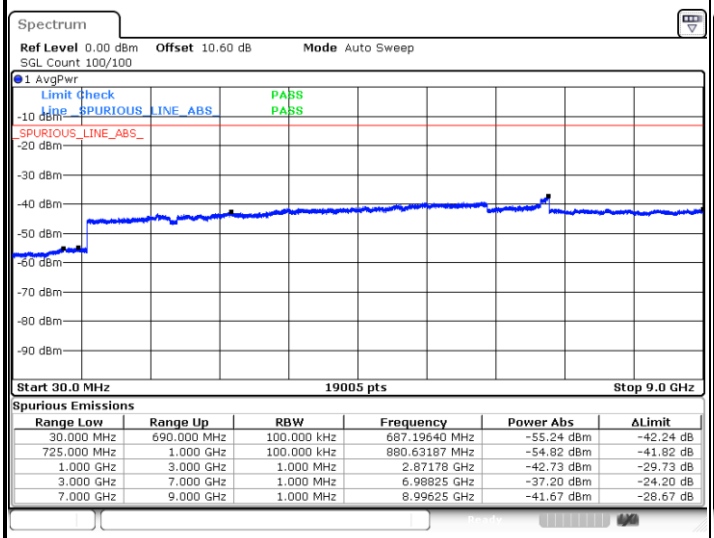
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.08696 MHz	-55.36 dBm	-42.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.75275 MHz	-54.92 dBm	-41.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83929 GHz	-42.58 dBm	-29.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-37.22 dBm	-24.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.10872 GHz	-41.45 dBm	-28.45 dB

Date: 14.JAN.2020 21:57:41

LTE Band 12 / 10MHz

Middle Channel / QPSK

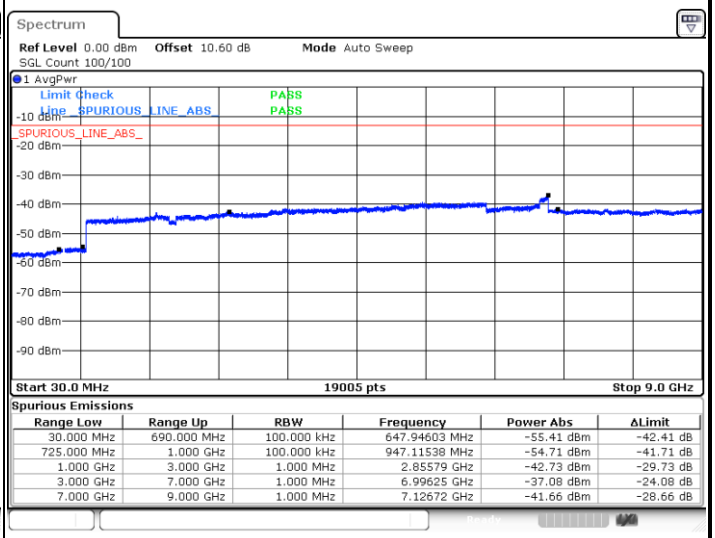


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.19640 MHz	-55.24 dBm	-42.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	880.63187 MHz	-54.82 dBm	-41.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.87178 GHz	-42.73 dBm	-29.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-37.20 dBm	-24.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.99625 GHz	-41.67 dBm	-28.67 dB

Date: 14.JAN.2020 22:00:20

Middle Channel / 16QAM

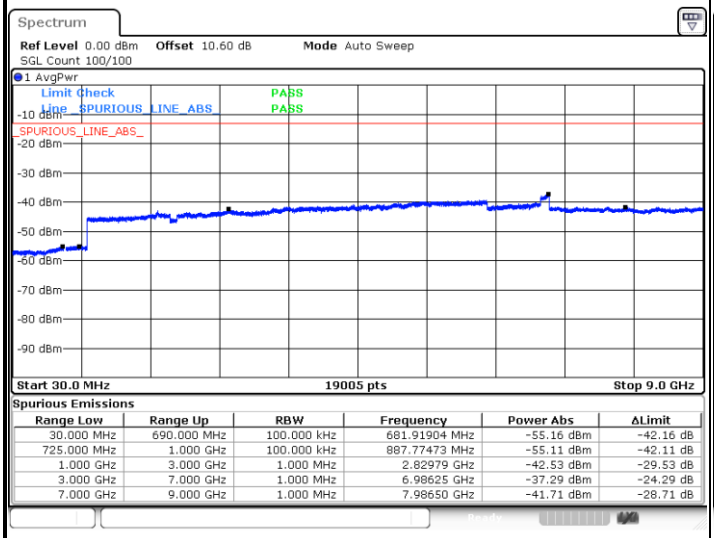


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	647.94603 MHz	-55.41 dBm	-42.41 dB
725.000 MHz	1.000 GHz	100.000 kHz	947.11538 MHz	-54.71 dBm	-41.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85579 GHz	-42.73 dBm	-29.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-37.08 dBm	-24.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.12672 GHz	-41.66 dBm	-28.66 dB

Date: 14.JAN.2020 21:59:27

Highest Channel / QPSK

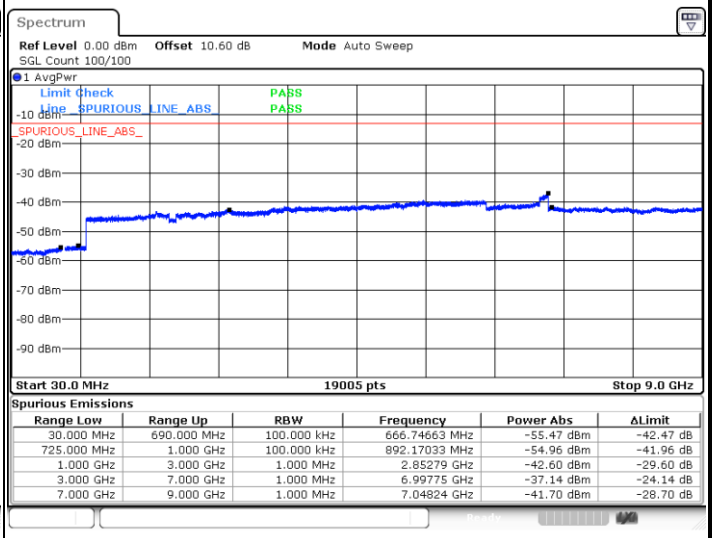


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.91904 MHz	-55.16 dBm	-42.16 dB
725.000 MHz	1.000 GHz	100.000 kHz	887.77473 MHz	-55.11 dBm	-42.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82979 GHz	-42.53 dBm	-29.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98625 GHz	-37.29 dBm	-24.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.98650 GHz	-41.71 dBm	-28.71 dB

Date: 14.JAN.2020 22:06:13

Highest Channel / 16QAM



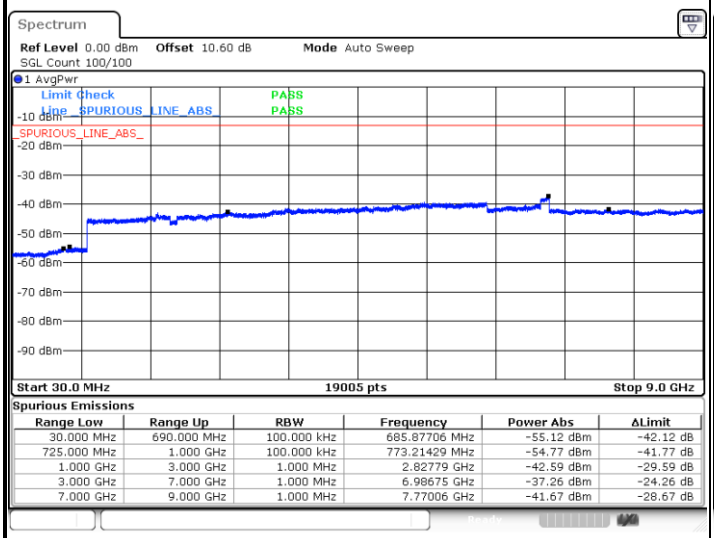
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.74663 MHz	-55.47 dBm	-42.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	892.17033 MHz	-54.96 dBm	-41.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85279 GHz	-42.60 dBm	-29.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-37.14 dBm	-24.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04824 GHz	-41.70 dBm	-28.70 dB

Date: 14.JAN.2020 22:07:06

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

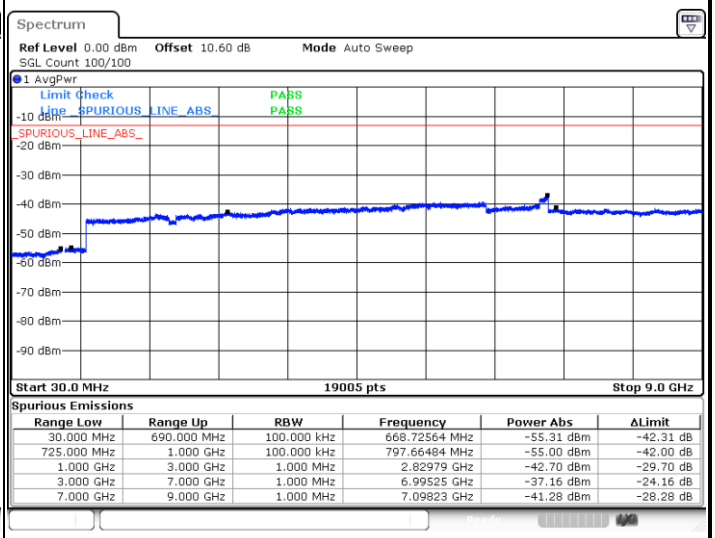


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.87706 MHz	-55.12 dBm	-42.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	773.21429 MHz	-54.77 dBm	-41.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82779 GHz	-42.59 dBm	-29.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-37.26 dBm	-24.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.77006 GHz	-41.67 dBm	-28.67 dB

Date: 14.JAN.2020 20:54:53

Middle Channel / 64QAM

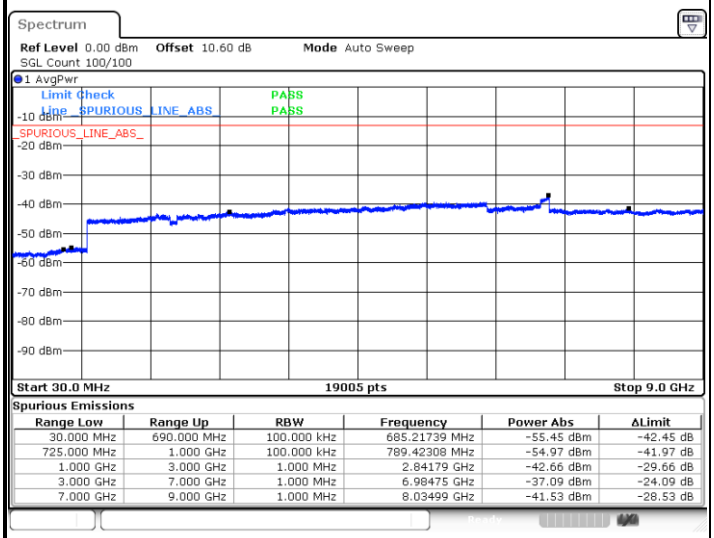


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.72564 MHz	-55.31 dBm	-42.31 dB
725.000 MHz	1.000 GHz	100.000 kHz	797.66484 MHz	-55.00 dBm	-42.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82979 GHz	-42.70 dBm	-29.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-37.16 dBm	-24.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09823 GHz	-41.28 dBm	-28.28 dB

Date: 14.JAN.2020 20:56:14

Highest Channel / 64QAM



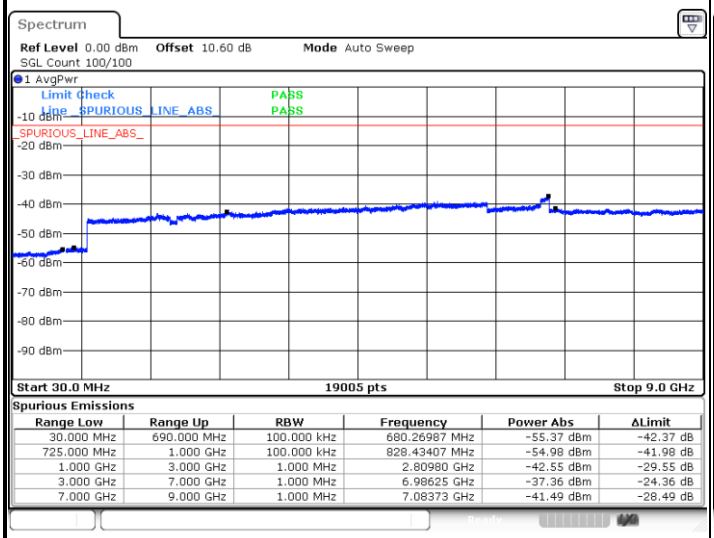
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.21739 MHz	-55.45 dBm	-42.45 dB
725.000 MHz	1.000 GHz	100.000 kHz	789.42308 MHz	-54.97 dBm	-41.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84179 GHz	-42.66 dBm	-29.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98475 GHz	-37.09 dBm	-24.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.03499 GHz	-41.53 dBm	-28.53 dB

Date: 14.JAN.2020 20:59:37

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

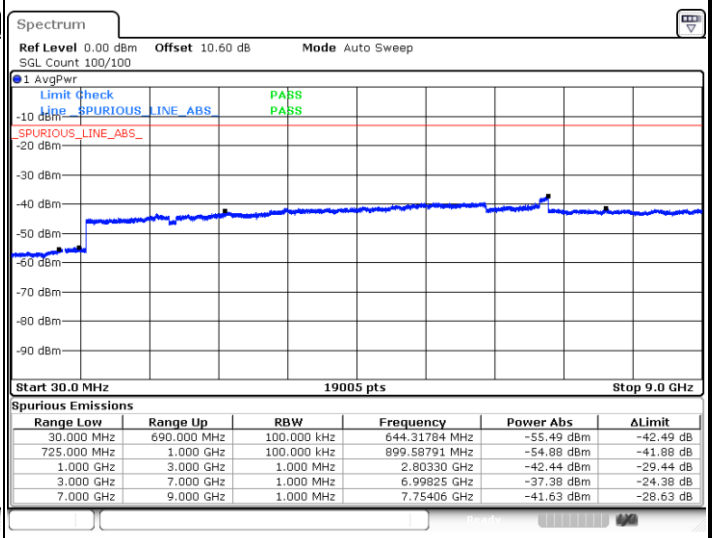


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	680.26987 MHz	-55.37 dBm	-42.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	828.43407 MHz	-54.98 dBm	-41.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80980 GHz	-42.55 dBm	-29.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98625 GHz	-37.36 dBm	-24.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08373 GHz	-41.49 dBm	-28.49 dB

Date: 14.JAN.2020 21:19:12

Middle Channel / 64QAM

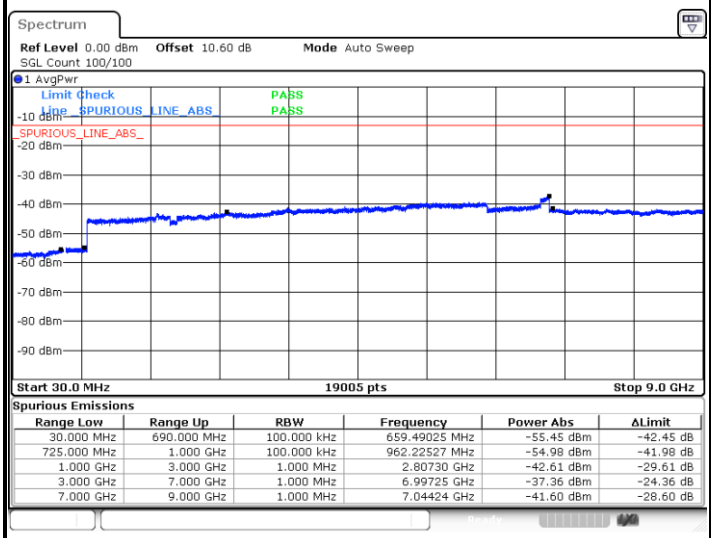


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	644.31784 MHz	-55.49 dBm	-42.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	899.58791 MHz	-54.88 dBm	-41.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80330 GHz	-42.44 dBm	-29.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-37.38 dBm	-24.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75406 GHz	-41.63 dBm	-28.63 dB

Date: 14.JAN.2020 21:20:32

Highest Channel / 64QAM



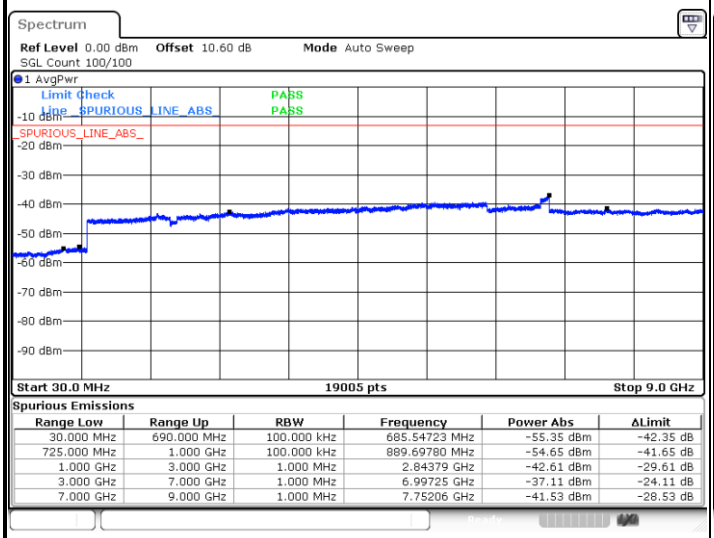
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	659.49025 MHz	-55.45 dBm	-42.45 dB
725.000 MHz	1.000 GHz	100.000 kHz	962.22527 MHz	-54.98 dBm	-41.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80730 GHz	-42.61 dBm	-29.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-37.36 dBm	-24.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04424 GHz	-41.60 dBm	-28.60 dB

Date: 14.JAN.2020 21:23:54

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

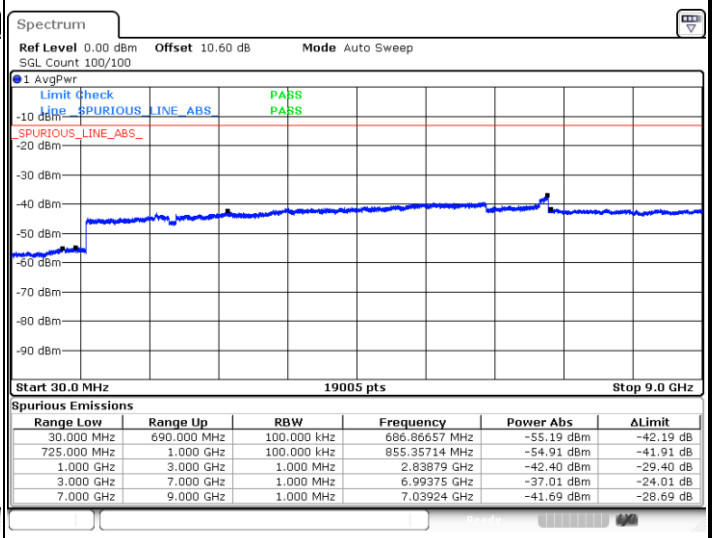


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.54723 MHz	-55.35 dBm	-42.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	889.69780 MHz	-54.65 dBm	-41.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84379 GHz	-42.61 dBm	-29.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-37.11 dBm	-24.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75206 GHz	-41.53 dBm	-28.53 dB

Date: 14.JAN.2020 21:27:18

Middle Channel / 64QAM

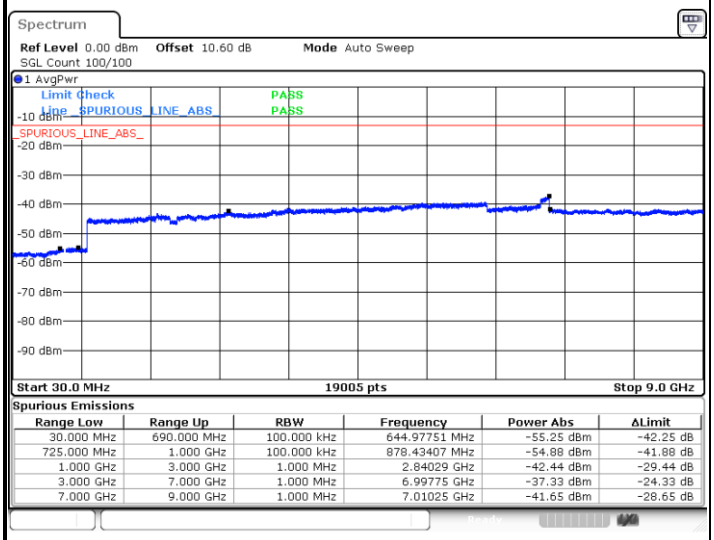


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.86657 MHz	-55.19 dBm	-42.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	855.35714 MHz	-54.91 dBm	-41.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83879 GHz	-42.40 dBm	-29.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-37.01 dBm	-24.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03924 GHz	-41.69 dBm	-28.69 dB

Date: 14.JAN.2020 21:28:38

Highest Channel / 64QAM



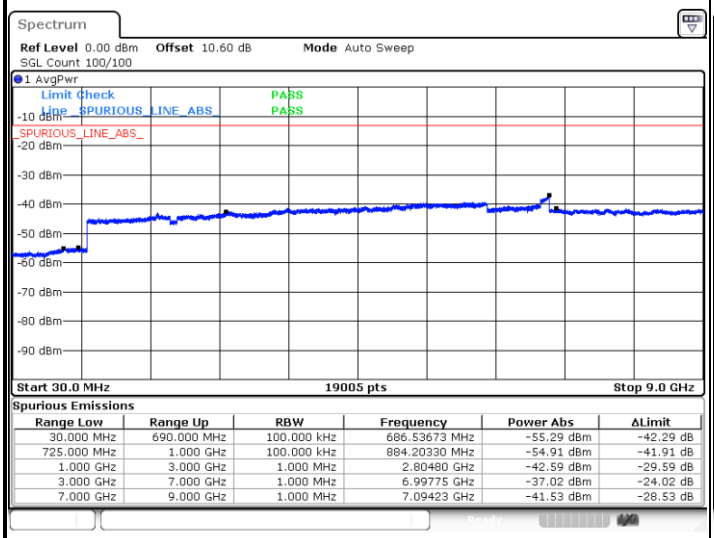
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	644.97751 MHz	-55.25 dBm	-42.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	878.43407 MHz	-54.88 dBm	-41.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84029 GHz	-42.44 dBm	-29.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-37.33 dBm	-24.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01025 GHz	-41.65 dBm	-28.65 dB

Date: 14.JAN.2020 21:32:00

LTE Band 12 / 10MHz

Lowest Channel / 64QAM

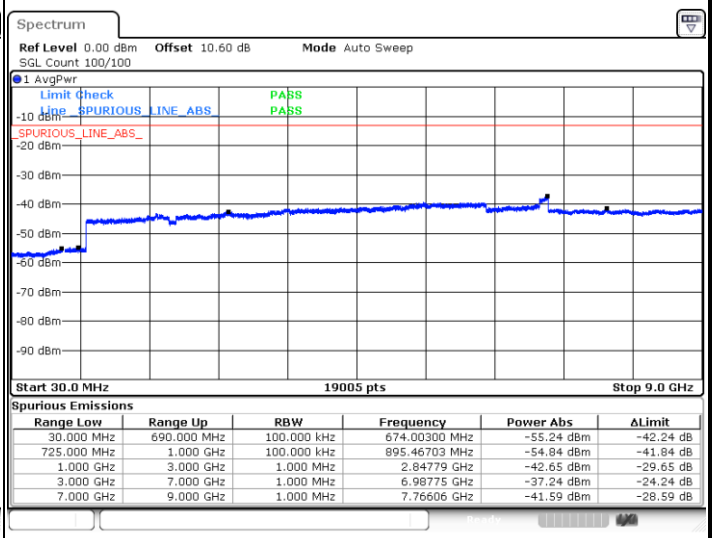


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.53673 MHz	-55.29 dBm	-42.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	884.20330 MHz	-54.91 dBm	-41.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80480 GHz	-42.59 dBm	-29.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-37.02 dBm	-24.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09423 GHz	-41.53 dBm	-28.53 dB

Date: 14.JAN.2020 22:10:29

Middle Channel / 64QAM

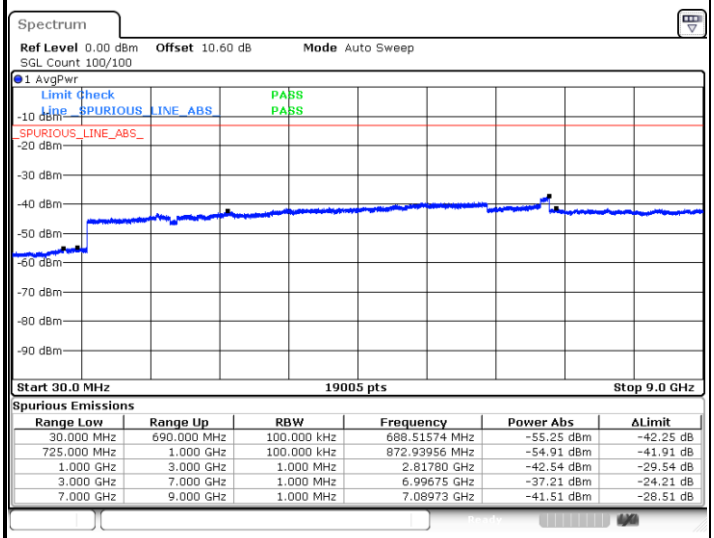


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.00300 MHz	-55.24 dBm	-42.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	895.46703 MHz	-54.84 dBm	-41.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84779 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-37.24 dBm	-24.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.76606 GHz	-41.59 dBm	-28.59 dB

Date: 14.JAN.2020 22:11:48

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-55.25 dBm	-42.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	872.93956 MHz	-54.91 dBm	-41.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81780 GHz	-42.54 dBm	-29.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08973 GHz	-41.51 dBm	-28.51 dB

Date: 14.JAN.2020 22:22:36

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	0.0085	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0096	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0086	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0034	
20	Battery End Point	0.0001	

Note:

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

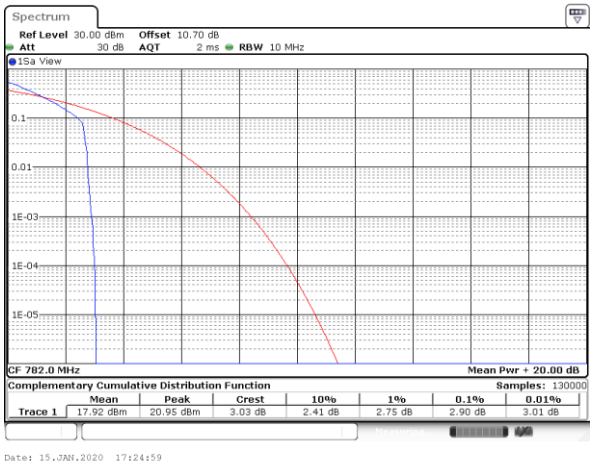
LTE Band 13

Peak-to-Average Ratio

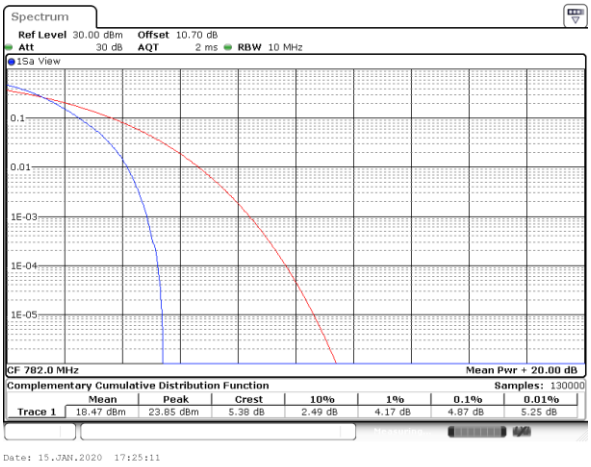
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	2.90	4.87	3.39	5.71	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.75	6.14	-	-	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB

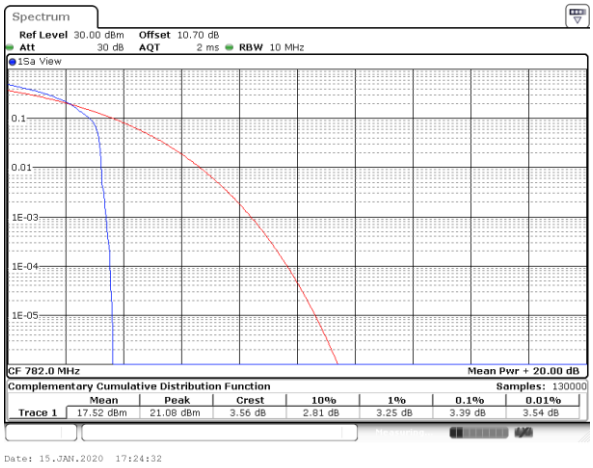


Middle Channel / Full RB

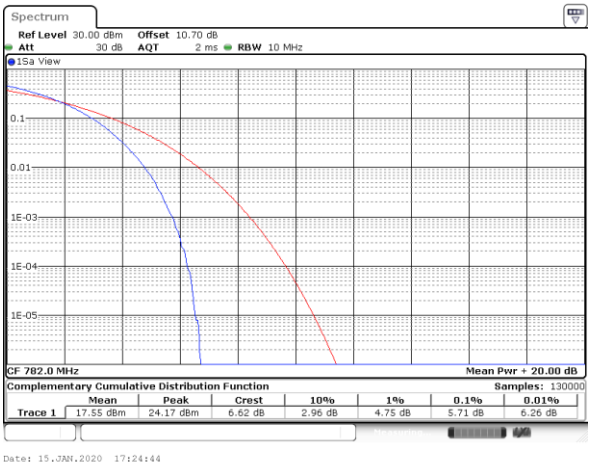


LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB

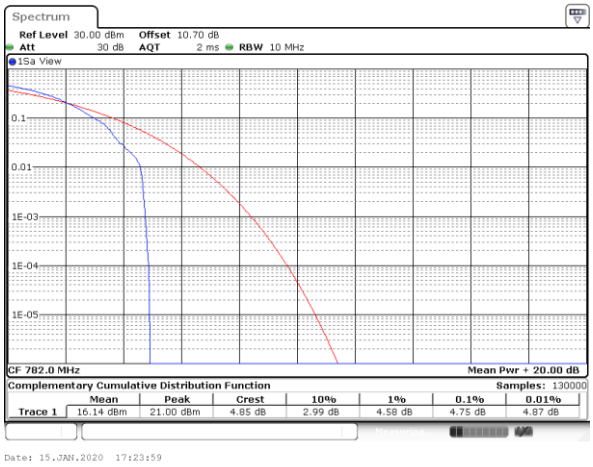


Middle Channel / Full RB

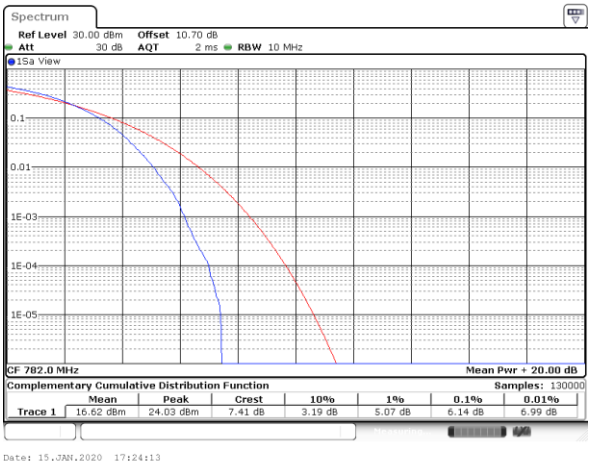


LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB

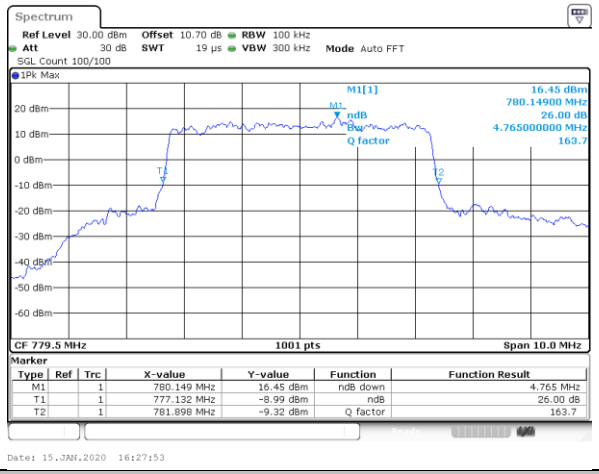


26dB Bandwidth

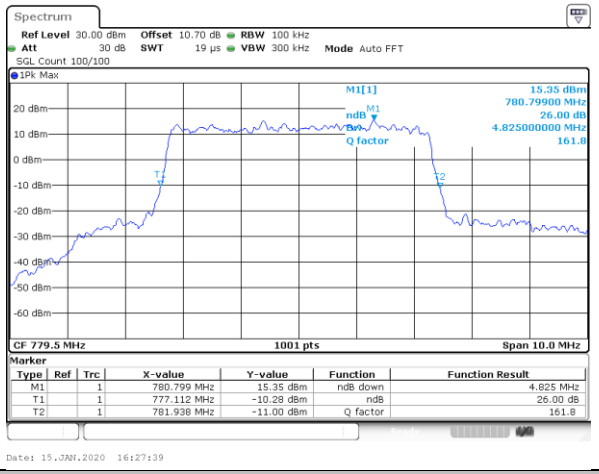
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.77	4.83	-	-	-	-	-	-
Middle CH	-	-	-	-	4.91	4.88	9.81	9.71	-	-	-	-
Highest CH	-	-	-	-	5.04	4.85	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.87	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.86	-	9.81	-	-	-	-	-
Highest CH	-	-	-	-	4.93	-	-	-	-	-	-	-

LTE Band 13

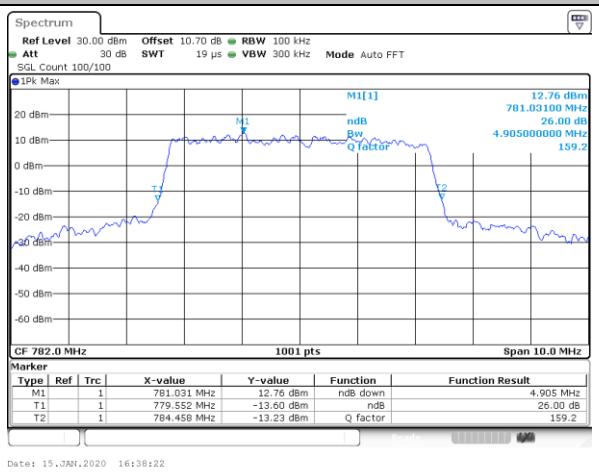
Lowest Channel / 5MHz / QPSK



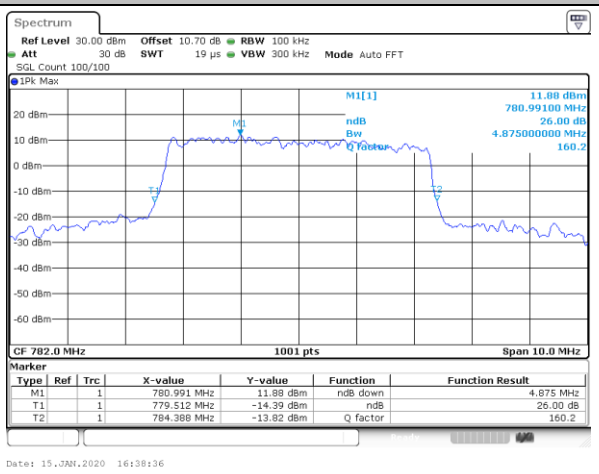
Lowest Channel / 5MHz / 16QAM



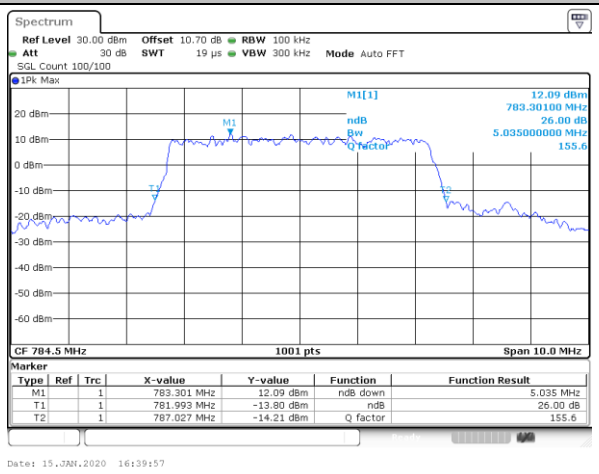
Middle Channel / 5MHz / QPSK



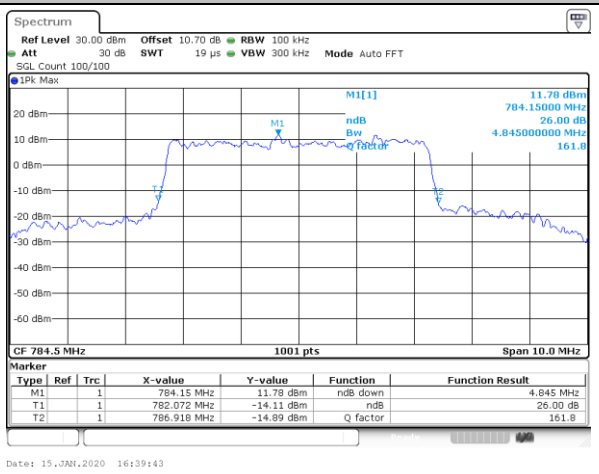
Middle Channel / 5MHz / 16QAM

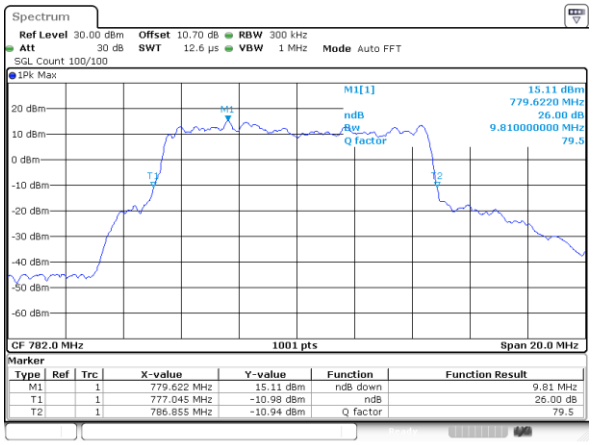
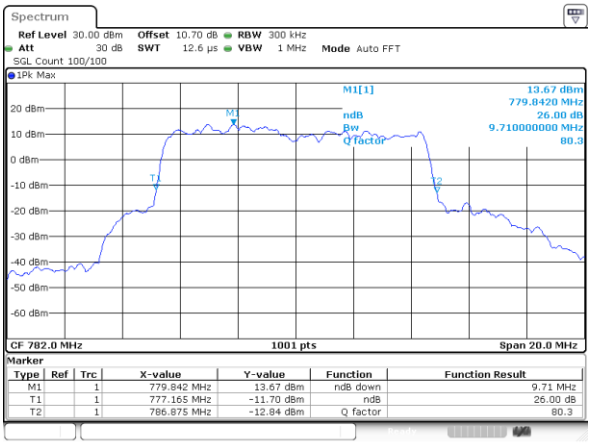


Highest Channel / 5MHz / QPSK



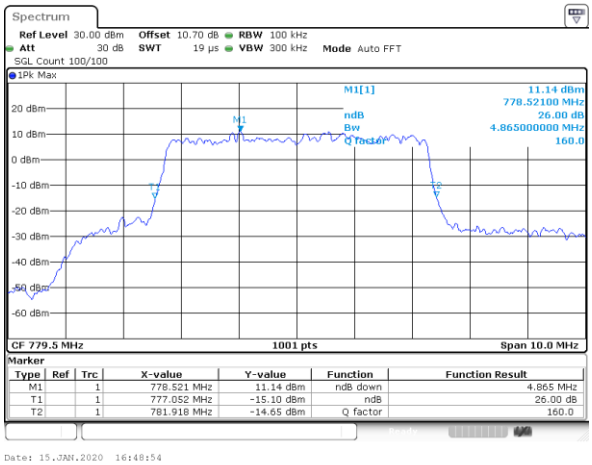
Highest Channel / 5MHz / 16QAM



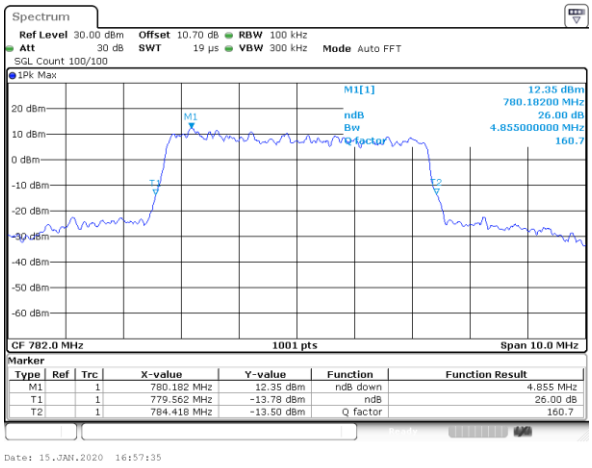
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

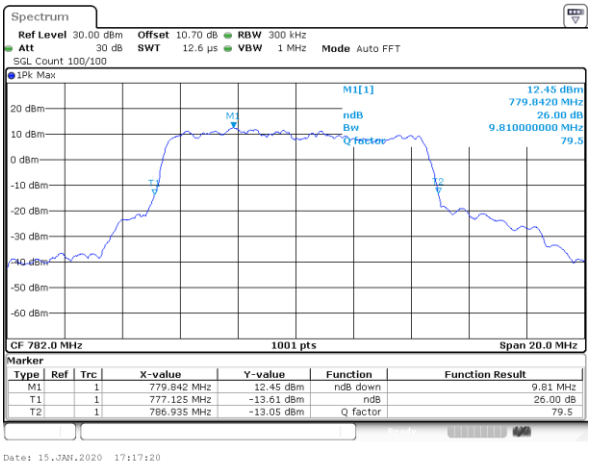
Lowest Channel / 5MHz / 64QAM



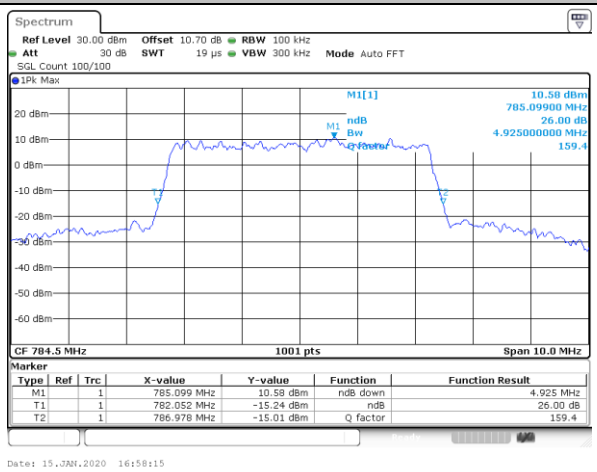
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

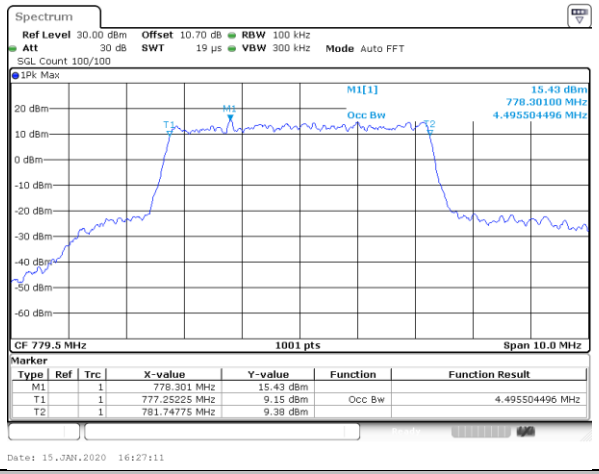


Occupied Bandwidth

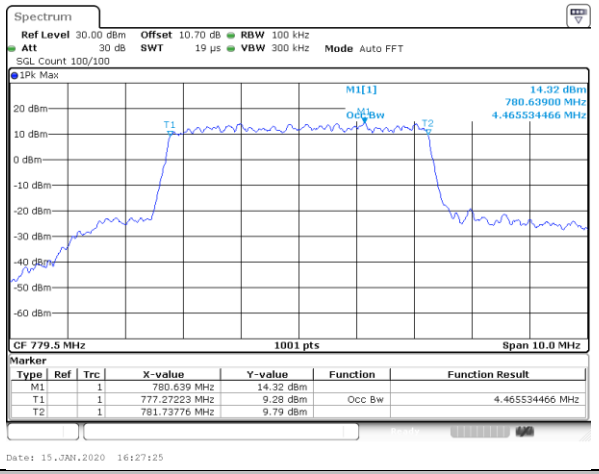
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.47	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.49	9.01	9.03	-	-	-	-
Highest CH	-	-	-	-	4.51	4.51	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.54	-	9.05	-	-	-	-	-
Highest CH	-	-	-	-	4.51	-	-	-	-	-	-	-

LTE Band 13

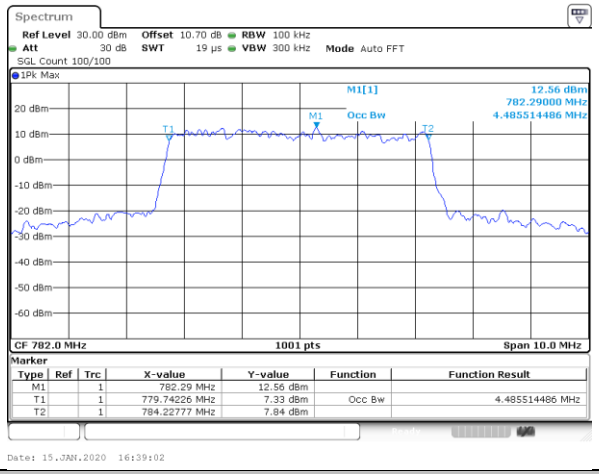
Lowest Channel / 5MHz / QPSK



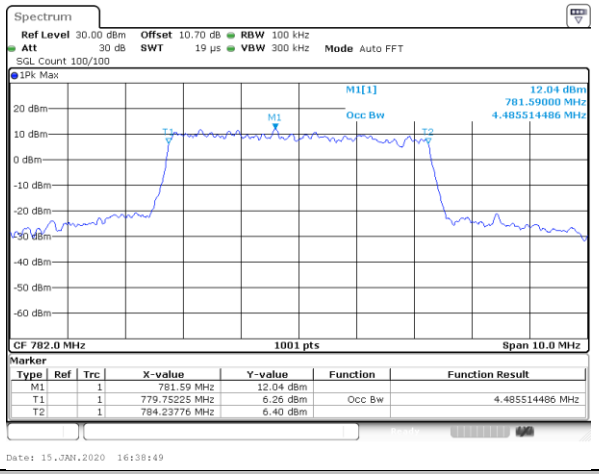
Lowest Channel / 5MHz / 16QAM



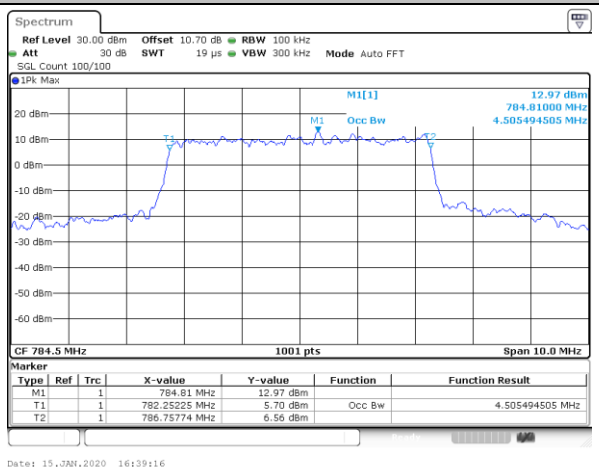
Middle Channel / 5MHz / QPSK



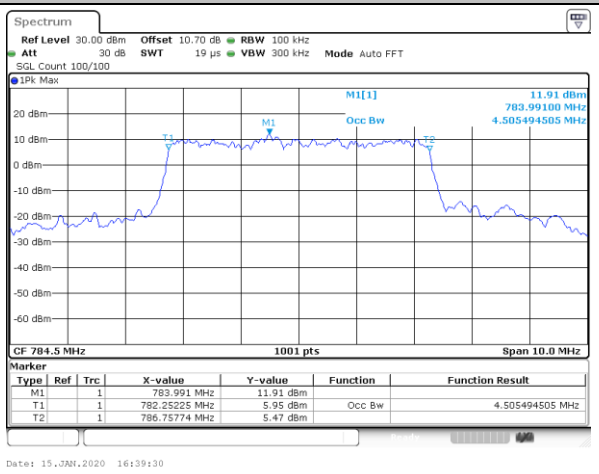
Middle Channel / 5MHz / 16QAM

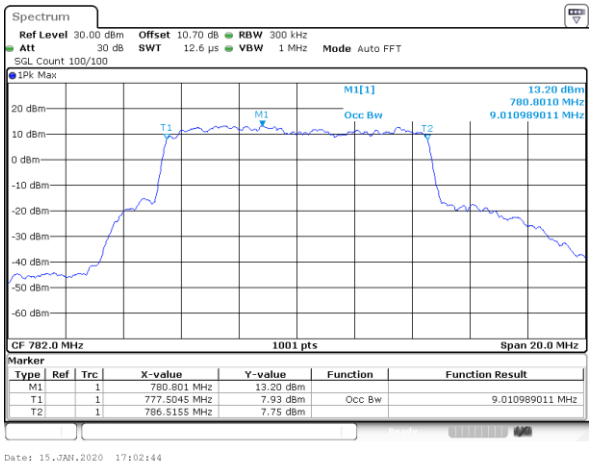
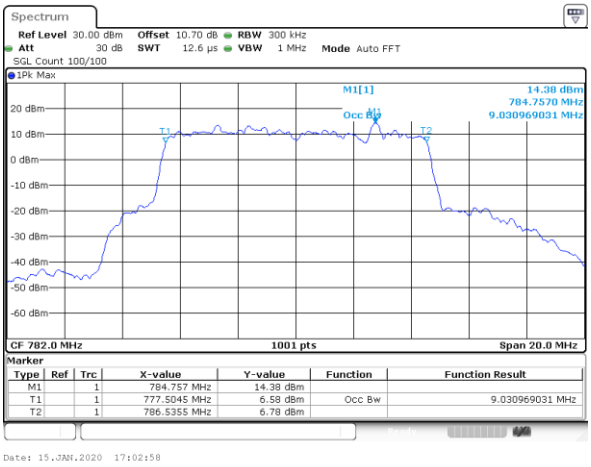


Highest Channel / 5MHz / QPSK



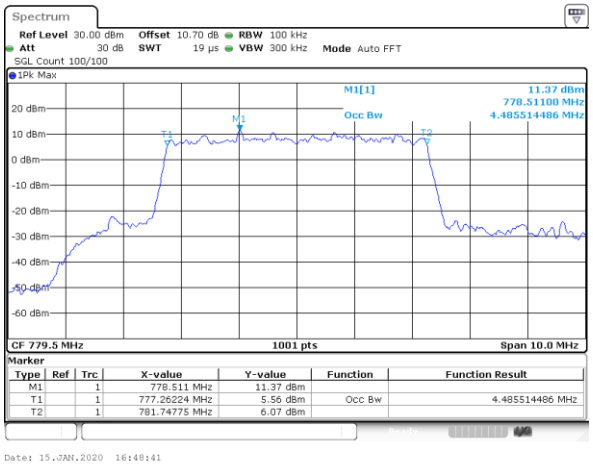
Highest Channel / 5MHz / 16QAM



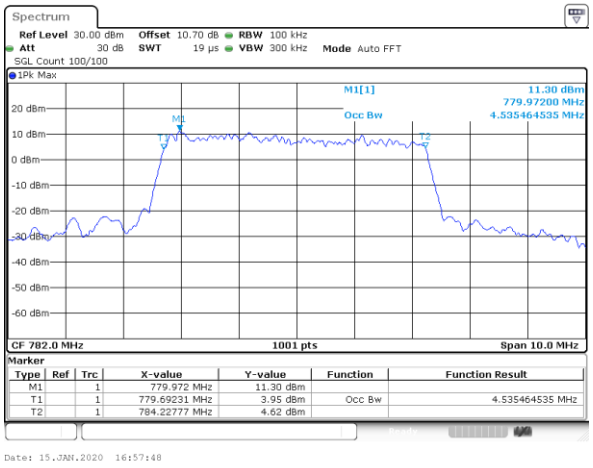
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

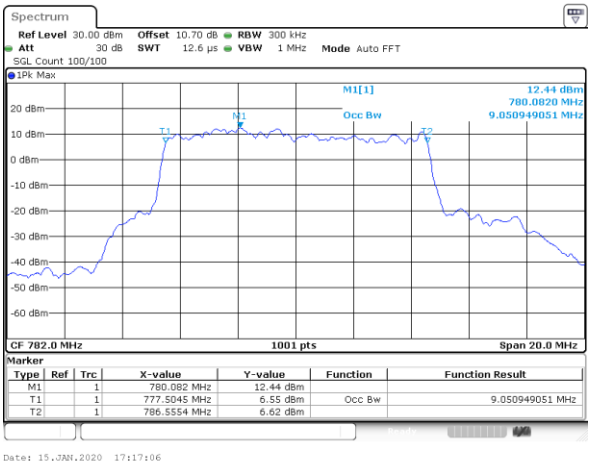
Lowest Channel / 5MHz / 64QAM



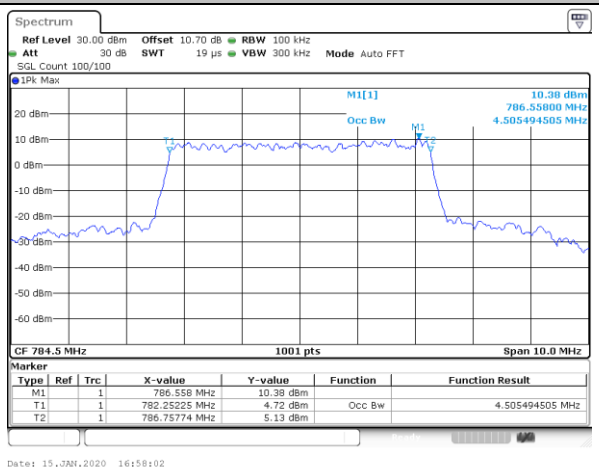
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



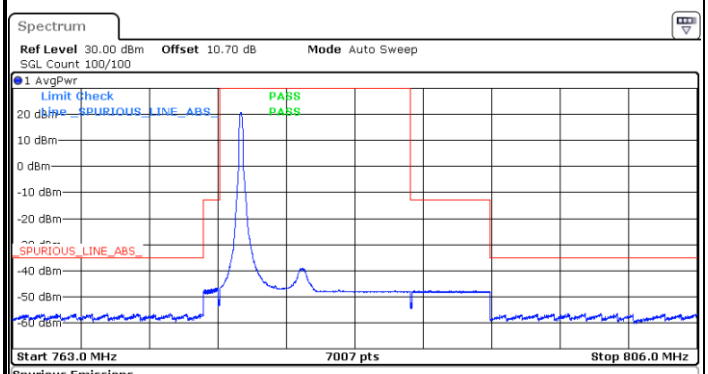
Highest Channel / 5MHz / 64QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

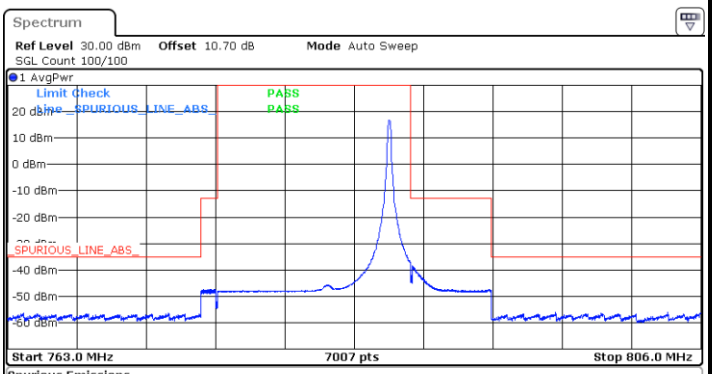


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.92807 MHz	-56.41 dBm	-21.41 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83931 MHz	-46.68 dBm	-33.68 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94530 MHz	-50.98 dBm	-37.98 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.36064 MHz	20.82 dBm	-9.18 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02143 MHz	-52.24 dBm	-39.24 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.75699 MHz	-47.77 dBm	-34.77 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.98052 MHz	-56.24 dBm	-21.24 dB

Date: 15.JAN.2020 16:34:37

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	772.95604 MHz	-56.42 dBm	-21.42 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.16499 MHz	-47.34 dBm	-34.34 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94760 MHz	-52.09 dBm	-39.09 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.69930 MHz	16.82 dBm	-13.18 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03352 MHz	-42.03 dBm	-29.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-38.36 dBm	-25.36 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.98052 MHz	-56.03 dBm	-21.03 dB

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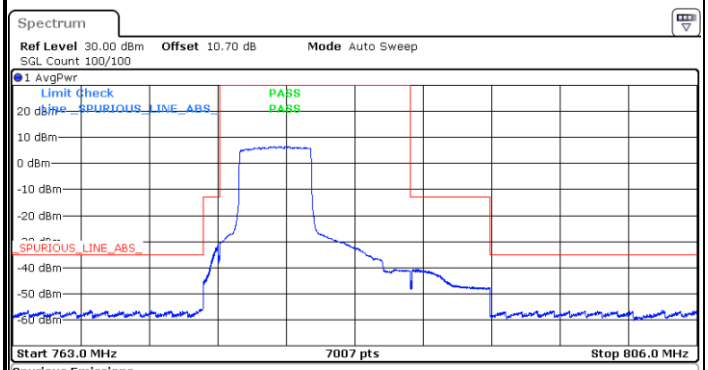
Lowest Band Edge / Full RB

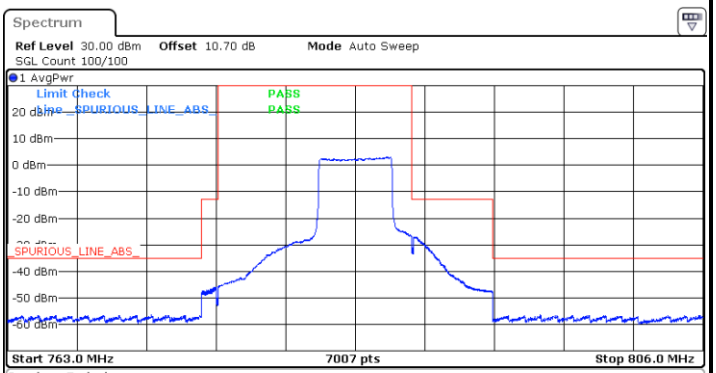


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-55.22 dBm	-20.22 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87527 MHz	-31.45 dBm	-18.45 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95669 MHz	-35.45 dBm	-22.45 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.75824 MHz	6.50 dBm	-23.50 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04411 MHz	-45.22 dBm	-32.22 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.52343 MHz	-40.60 dBm	-27.60 dB
793.000 MHz	806.000 MHz	6.250 kHz	803.88961 MHz	-56.48 dBm	-21.48 dB

Date: 15.JAN.2020 16:29:34

Highest Band Edge / Full RB



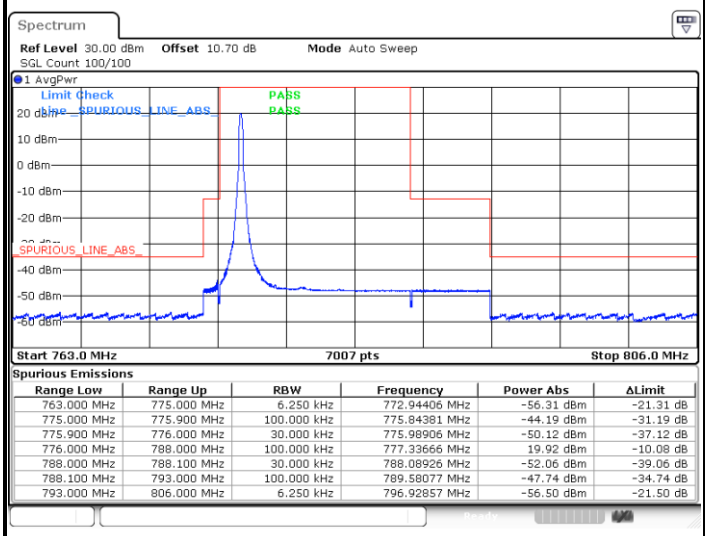
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.88911 MHz	-56.47 dBm	-21.47 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87707 MHz	-45.92 dBm	-32.92 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92872 MHz	-50.11 dBm	-37.11 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.67532 MHz	3.03 dBm	-26.97 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03951 MHz	-30.96 dBm	-17.96 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-26.98 dBm	-13.98 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.95455 MHz	-56.36 dBm	-21.36 dB

Date: 15.JAN.2020 16:41:39

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

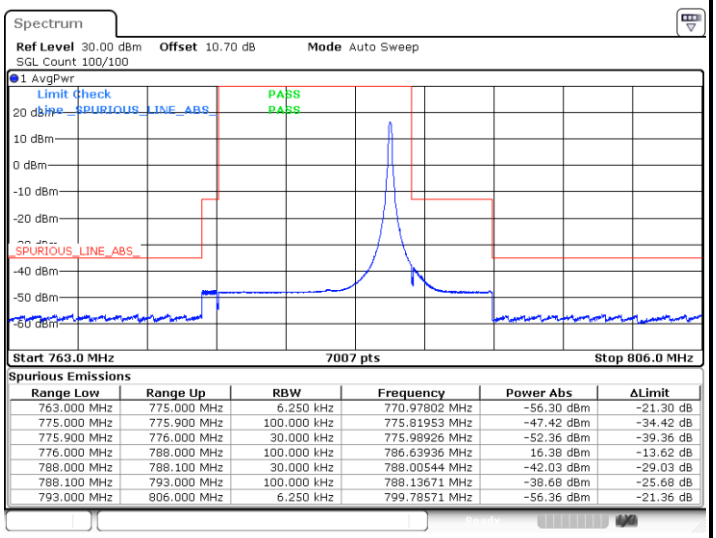


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.94406 MHz	-56.31 dBm	-21.31 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84381 MHz	-44.19 dBm	-31.19 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98906 MHz	-50.12 dBm	-37.12 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	19.92 dBm	-10.08 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08926 MHz	-52.06 dBm	-39.06 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.58077 MHz	-47.74 dBm	-34.74 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.92857 MHz	-56.50 dBm	-21.50 dB

Date: 15.JAN.2020 16:32:56

Highest Band Edge / 1 RB

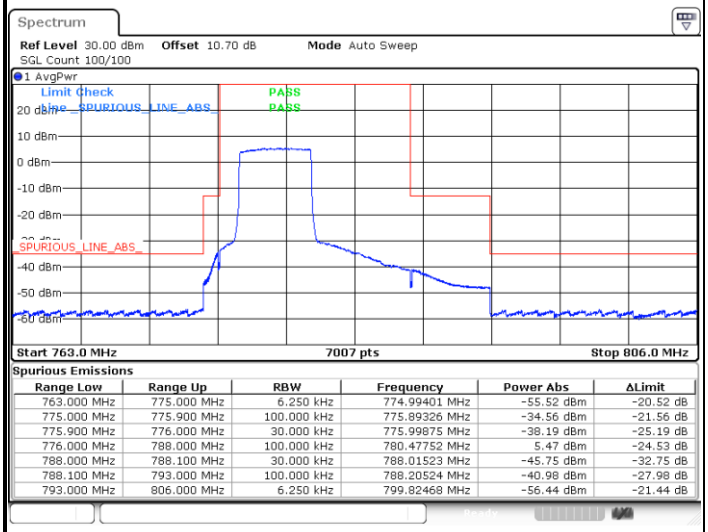


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.97802 MHz	-56.30 dBm	-21.30 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.81953 MHz	-47.42 dBm	-34.42 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98926 MHz	-52.36 dBm	-39.36 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	16.38 dBm	-13.62 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00544 MHz	-42.03 dBm	-29.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13671 MHz	-38.68 dBm	-25.68 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.78571 MHz	-56.36 dBm	-21.36 dB

Date: 15.JAN.2020 16:45:01

Lowest Band Edge / Full RB

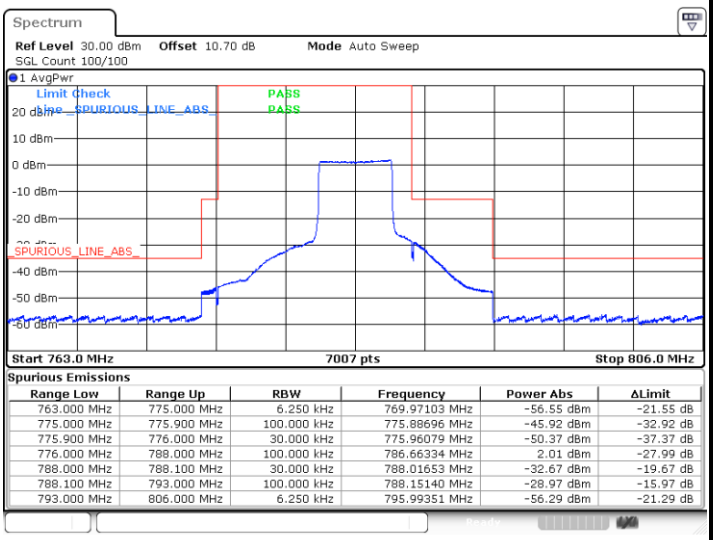


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-55.52 dBm	-20.52 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89326 MHz	-34.56 dBm	-21.56 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99875 MHz	-38.19 dBm	-25.19 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.47752 MHz	5.47 dBm	-24.53 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01523 MHz	-45.75 dBm	-32.75 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.20524 MHz	-40.98 dBm	-27.98 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.82468 MHz	-56.44 dBm	-21.44 dB

Date: 15.JAN.2020 16:31:15

Highest Band Edge / Full RB



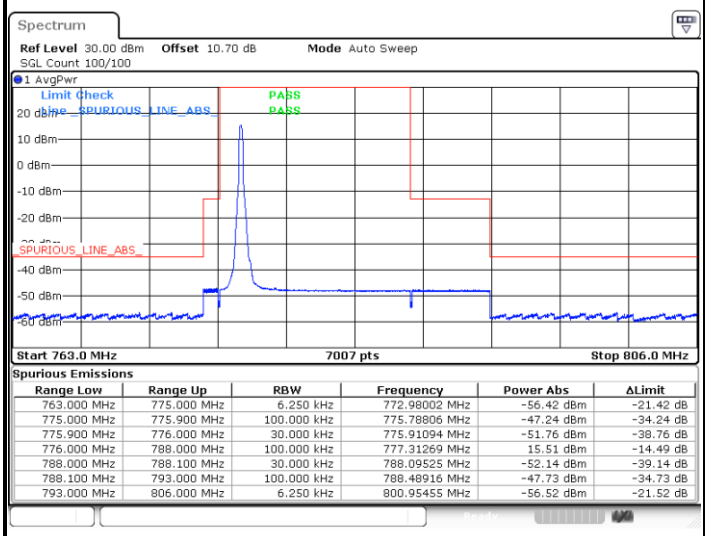
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.97103 MHz	-56.55 dBm	-21.55 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88696 MHz	-45.92 dBm	-32.92 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96079 MHz	-50.37 dBm	-37.37 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	2.01 dBm	-27.99 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01653 MHz	-32.67 dBm	-19.67 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.15140 MHz	-28.97 dBm	-15.97 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.99351 MHz	-56.29 dBm	-21.29 dB

Date: 15.JAN.2020 16:43:20

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

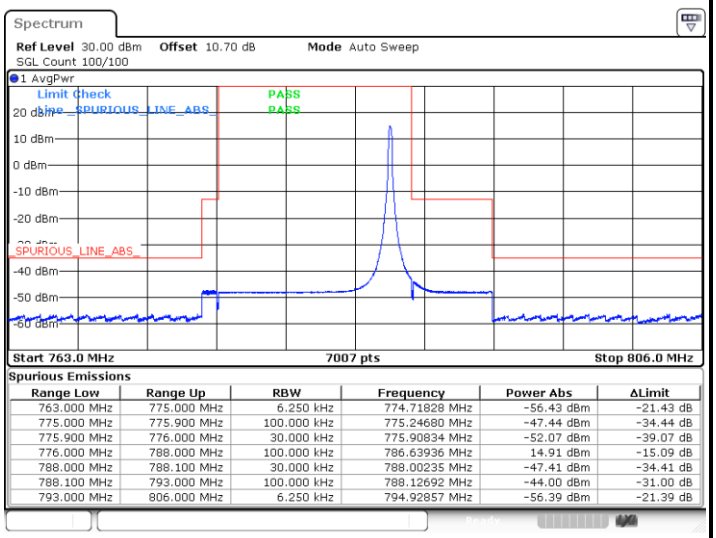


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.98002 MHz	-56.42 dBm	-21.42 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.78806 MHz	-47.24 dBm	-34.24 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91094 MHz	-51.76 dBm	-38.76 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	15.51 dBm	-14.49 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09525 MHz	-52.14 dBm	-39.14 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.48916 MHz	-47.73 dBm	-34.73 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.95455 MHz	-56.52 dBm	-21.52 dB

Date: 15.JAN.2020 16:55:37

Highest Band Edge / 1 RB

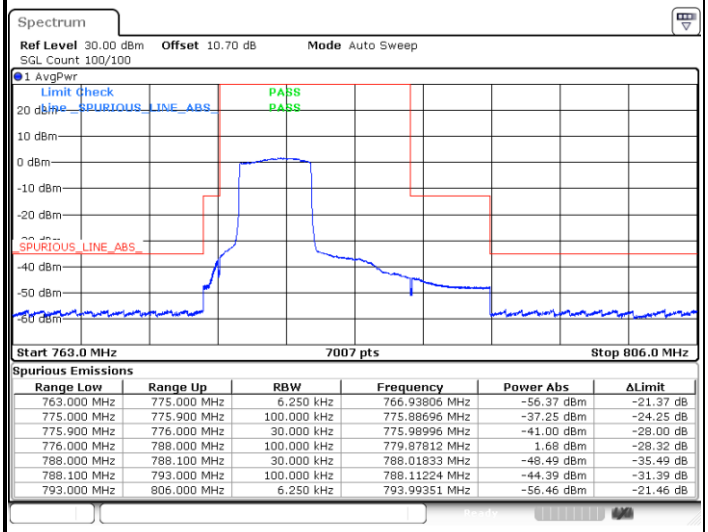


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.71828 MHz	-56.43 dBm	-21.43 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.24680 MHz	-47.44 dBm	-34.44 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90834 MHz	-52.07 dBm	-39.07 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	14.91 dBm	-15.09 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00235 MHz	-47.41 dBm	-34.41 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12692 MHz	-44.00 dBm	-31.00 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.92857 MHz	-56.39 dBm	-21.39 dB

Date: 15.JAN.2020 17:01:38

Lowest Band Edge / Full RB

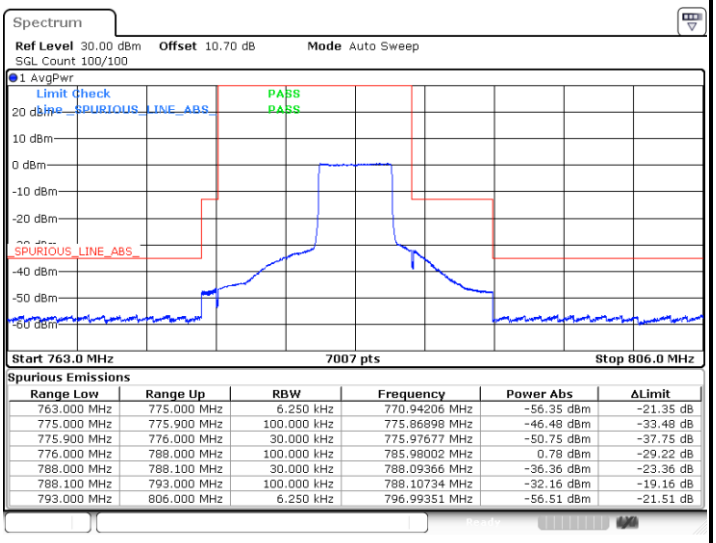


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.93806 MHz	-56.37 dBm	-21.37 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88696 MHz	-37.25 dBm	-24.25 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98996 MHz	-41.00 dBm	-28.00 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.87812 MHz	1.68 dBm	-28.32 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01833 MHz	-48.49 dBm	-35.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-44.39 dBm	-31.39 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.99351 MHz	-56.46 dBm	-21.46 dB

Date: 15.JAN.2020 16:50:36

Highest Band Edge / Full RB



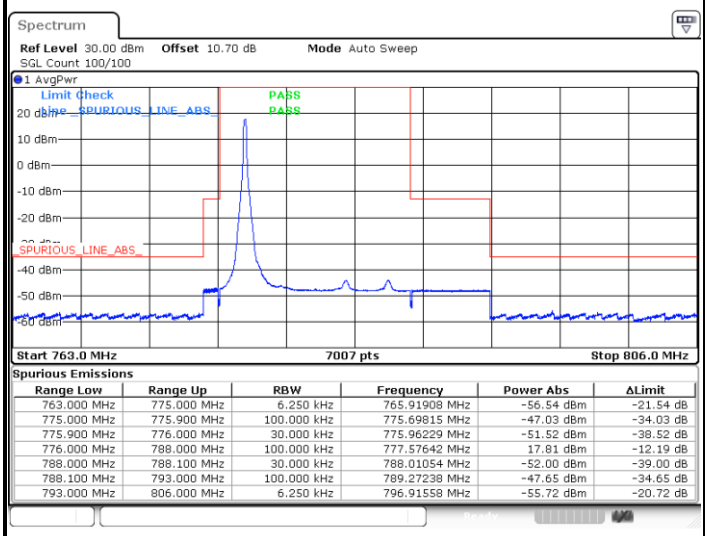
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.94206 MHz	-56.35 dBm	-21.35 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86898 MHz	-46.48 dBm	-33.48 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97677 MHz	-50.75 dBm	-37.75 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.98002 MHz	0.78 dBm	-29.22 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09366 MHz	-36.36 dBm	-23.36 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-32.16 dBm	-19.16 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.99351 MHz	-56.51 dBm	-21.51 dB

Date: 15.JAN.2020 16:59:57

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

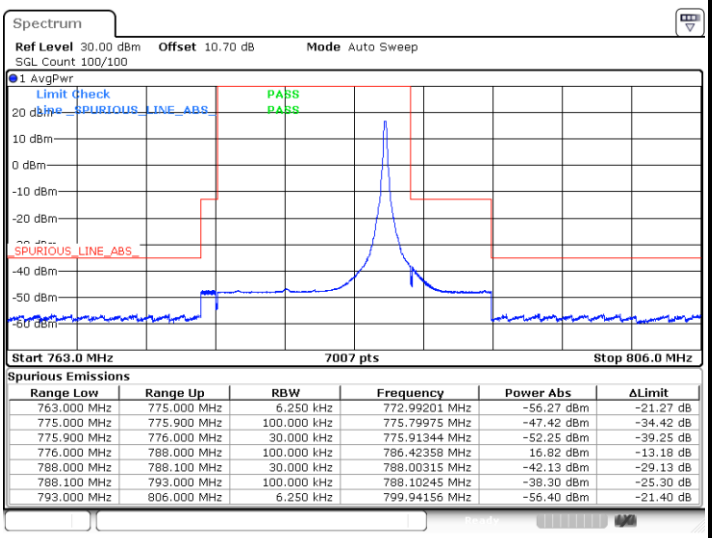


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.91908 MHz	-56.54 dBm	-21.54 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.69815 MHz	-47.03 dBm	-34.03 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96229 MHz	-51.52 dBm	-38.52 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57642 MHz	17.81 dBm	-12.19 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01054 MHz	-52.00 dBm	-39.00 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.27238 MHz	-47.65 dBm	-34.65 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.91558 MHz	-55.72 dBm	-20.72 dB

Date: 15.JAN.2020 17:11:48

Highest Band Edge / 1 RB

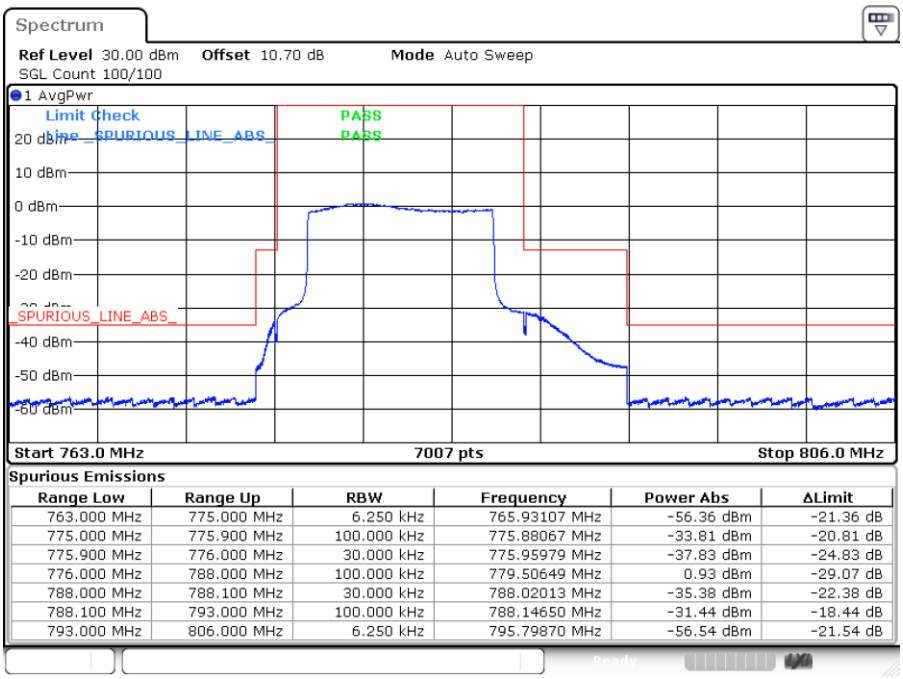


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.99201 MHz	-56.27 dBm	-21.27 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.79975 MHz	-47.42 dBm	-34.42 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91344 MHz	-52.25 dBm	-39.25 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.42358 MHz	16.82 dBm	-13.18 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00315 MHz	-42.13 dBm	-29.13 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-38.30 dBm	-25.30 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.94156 MHz	-56.40 dBm	-21.40 dB

Date: 15.JAN.2020 17:13:29

Band Edge / Full RB



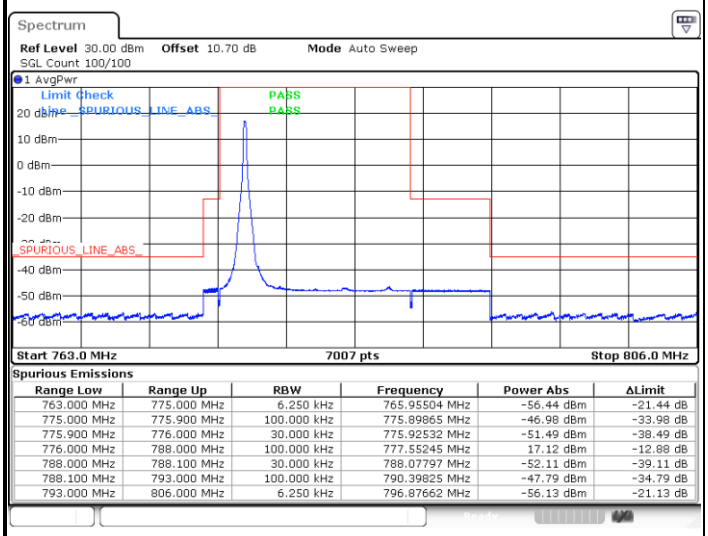
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.93107 MHz	-56.36 dBm	-21.36 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88067 MHz	-33.81 dBm	-20.81 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95979 MHz	-37.83 dBm	-24.83 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.50649 MHz	0.93 dBm	-29.07 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02013 MHz	-35.38 dBm	-22.38 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14650 MHz	-31.44 dBm	-18.44 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.79870 MHz	-56.54 dBm	-21.54 dB

Date: 15.JAN.2020 17:06:47

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

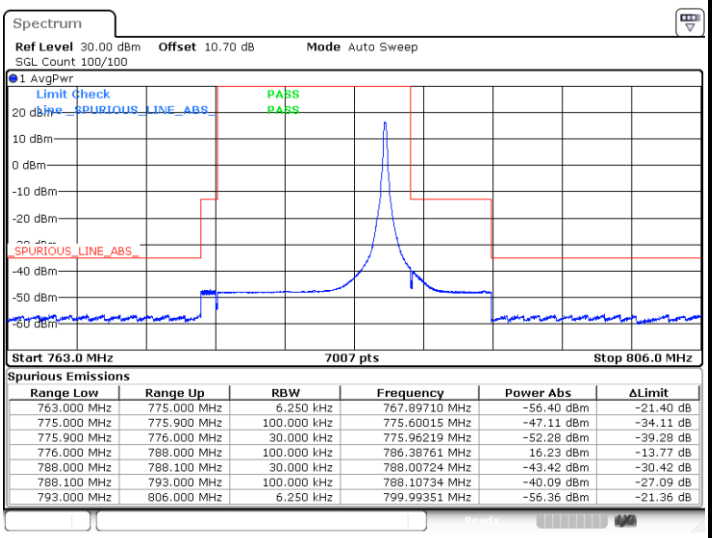


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.95504 MHz	-56.44 dBm	-21.44 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89865 MHz	-46.98 dBm	-33.98 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92532 MHz	-51.49 dBm	-38.49 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.55245 MHz	17.12 dBm	-12.88 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07797 MHz	-52.11 dBm	-39.11 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.39825 MHz	-47.79 dBm	-34.79 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.87662 MHz	-56.13 dBm	-21.13 dB

Date: 15.JAN.2020 17:10:08

Highest Band Edge / 1 RB

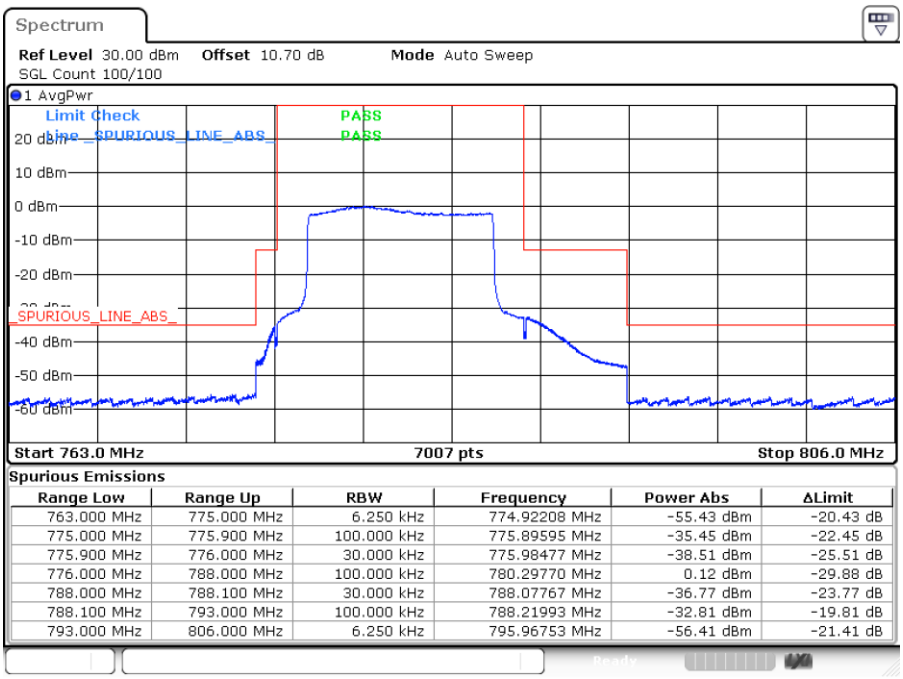


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.89710 MHz	-56.40 dBm	-21.40 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.60015 MHz	-47.11 dBm	-34.11 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96219 MHz	-52.28 dBm	-39.28 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	16.23 dBm	-13.77 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00724 MHz	-43.42 dBm	-30.42 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-40.09 dBm	-27.09 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.99351 MHz	-56.36 dBm	-21.36 dB

Date: 15.JAN.2020 17:15:09

Band Edge / Full RB



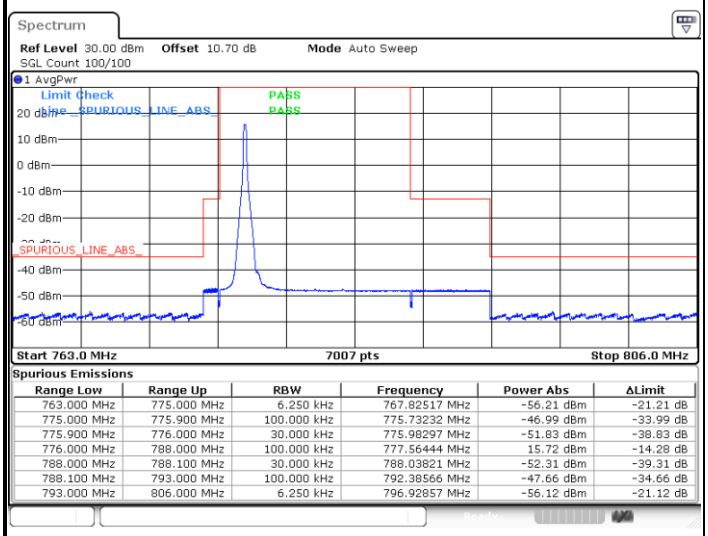
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.92208 MHz	-55.43 dBm	-20.43 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89595 MHz	-35.45 dBm	-22.45 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98477 MHz	-38.51 dBm	-25.51 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.29770 MHz	0.12 dBm	-29.88 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07767 MHz	-36.77 dBm	-23.77 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.21993 MHz	-32.81 dBm	-19.81 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.96753 MHz	-56.41 dBm	-21.41 dB

Date: 15.JAN.2020 17:08:27

LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

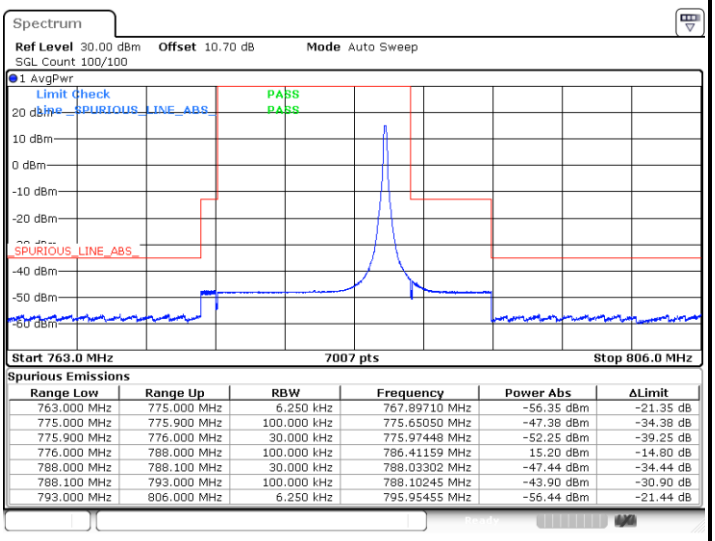


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.82517 MHz	-56.21 dBm	-21.21 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.73232 MHz	-46.99 dBm	-33.99 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98297 MHz	-51.83 dBm	-38.83 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.56444 MHz	15.72 dBm	-14.28 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03821 MHz	-52.31 dBm	-39.31 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.38566 MHz	-47.66 dBm	-34.66 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.92857 MHz	-56.12 dBm	-21.12 dB

Date: 15.JAN.2020 17:20:44

Highest Band Edge / 1 RB

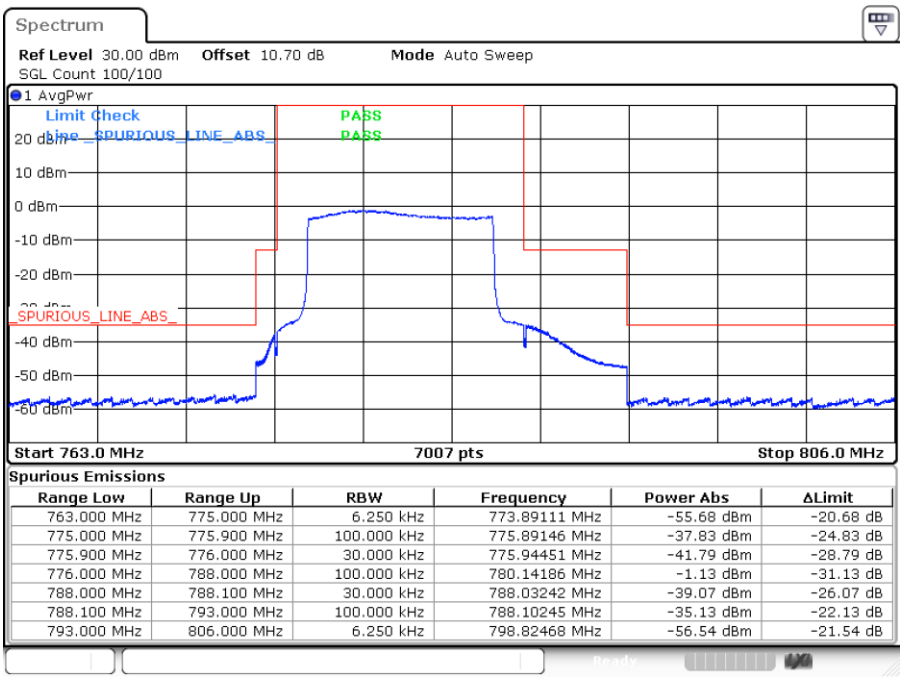


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.89710 MHz	-56.35 dBm	-21.35 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.65050 MHz	-47.38 dBm	-34.38 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97448 MHz	-52.25 dBm	-39.25 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	15.20 dBm	-14.80 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03302 MHz	-47.44 dBm	-34.44 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-43.90 dBm	-30.90 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.95455 MHz	-56.44 dBm	-21.44 dB

Date: 15.JAN.2020 17:22:24

Band Edge / Full RB



Spurious Emissions

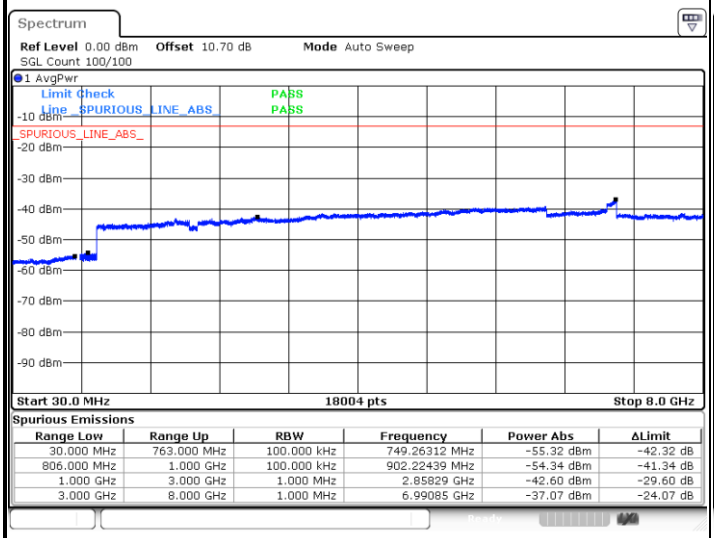
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.89111 MHz	-55.68 dBm	-20.68 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89146 MHz	-37.83 dBm	-24.83 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94451 MHz	-41.79 dBm	-28.79 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.14186 MHz	-1.13 dBm	-31.13 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03242 MHz	-39.07 dBm	-26.07 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-35.13 dBm	-22.13 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.82468 MHz	-56.54 dBm	-21.54 dB

Date: 15.JAN.2020 17:19:03

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

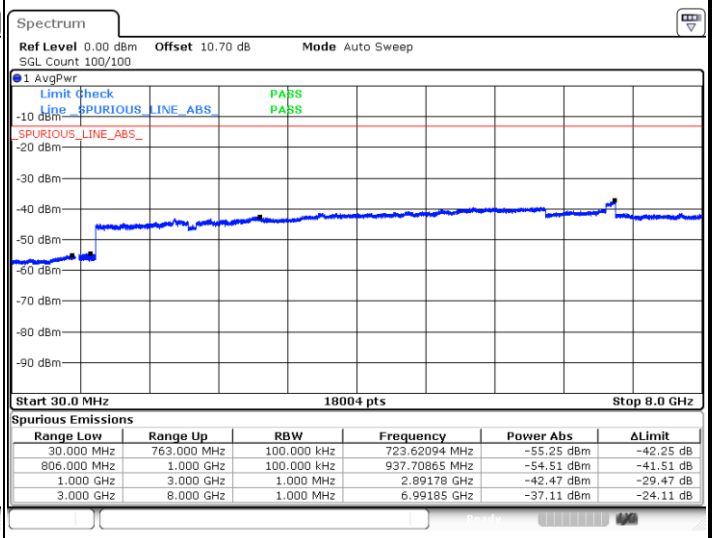


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	749.26312 MHz	-55.32 dBm	-42.32 dB
806.000 MHz	1.000 GHz	100.000 kHz	902.22439 MHz	-54.34 dBm	-41.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85829 GHz	-42.60 dBm	-29.60 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99085 GHz	-37.07 dBm	-24.07 dB

Date: 15.JAN.2020 16:35:29

Lowest Channel / 16QAM

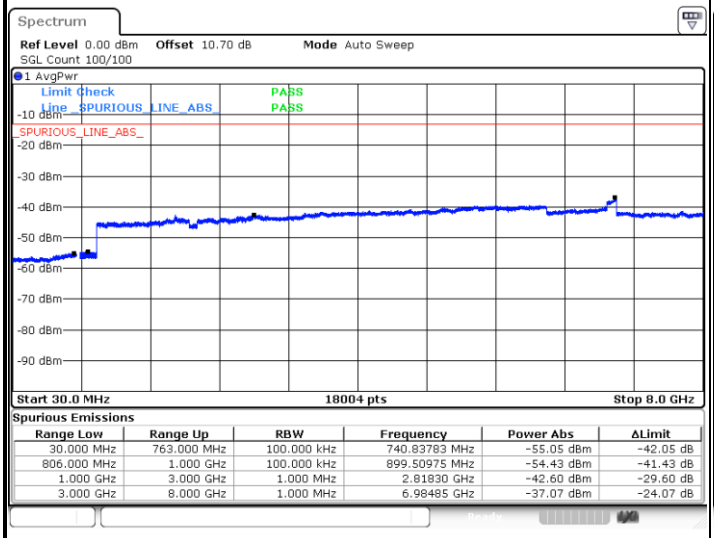


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	723.62094 MHz	-55.25 dBm	-42.25 dB
806.000 MHz	1.000 GHz	100.000 kHz	937.70865 MHz	-54.51 dBm	-41.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.89178 GHz	-42.47 dBm	-29.47 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99185 GHz	-37.11 dBm	-24.11 dB

Date: 15.JAN.2020 16:36:22

Middle Channel / QPSK

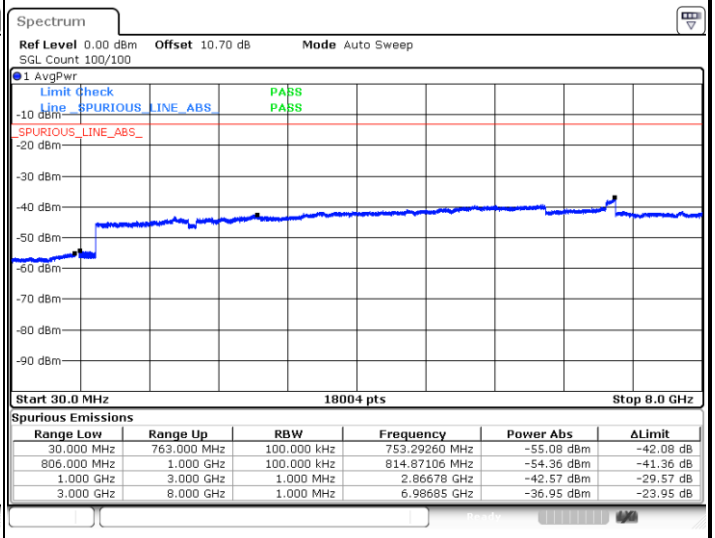


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	740.83783 MHz	-55.05 dBm	-42.05 dB
806.000 MHz	1.000 GHz	100.000 kHz	899.50975 MHz	-54.43 dBm	-41.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81830 GHz	-42.60 dBm	-29.60 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98485 GHz	-37.07 dBm	-24.07 dB

Date: 15.JAN.2020 16:38:06

Middle Channel / 16QAM



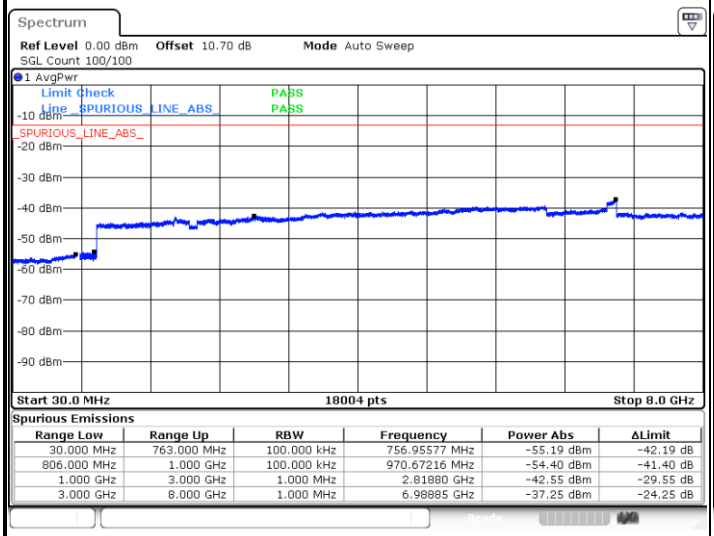
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	753.29260 MHz	-55.08 dBm	-42.08 dB
806.000 MHz	1.000 GHz	100.000 kHz	814.87106 MHz	-54.36 dBm	-41.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.86678 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98685 GHz	-36.95 dBm	-23.95 dB

Date: 15.JAN.2020 16:37:14

LTE Band 13 / 5MHz

Highest Channel / QPSK

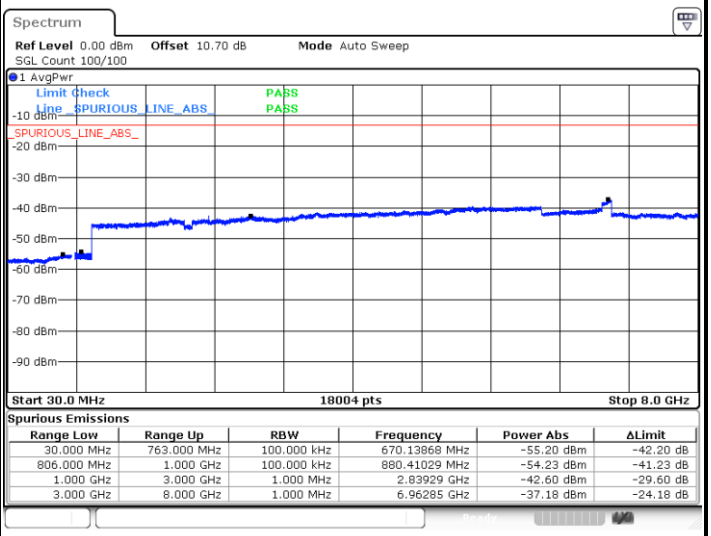


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	756.95577 MHz	-55.19 dBm	-42.19 dB
806.000 MHz	1.000 GHz	100.000 kHz	970.67216 MHz	-54.40 dBm	-41.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81880 GHz	-42.55 dBm	-29.55 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98885 GHz	-37.25 dBm	-24.25 dB

Date: 15.JAN.2020 16:47:34

Highest Channel / 16QAM



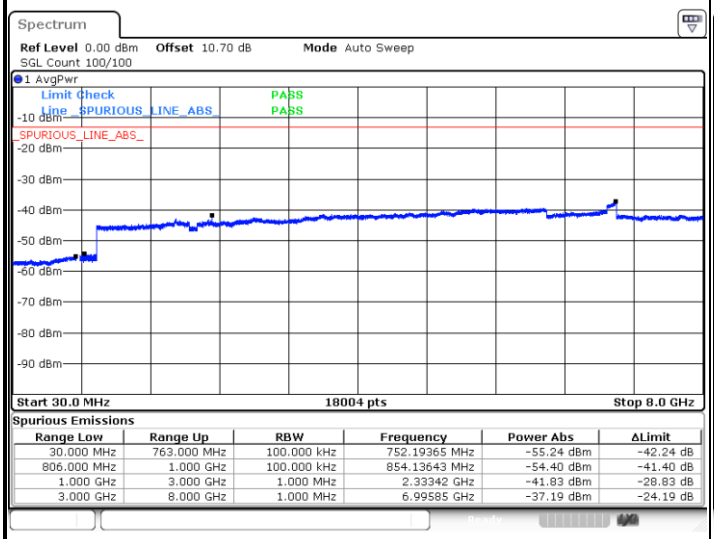
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	670.13868 MHz	-55.20 dBm	-42.20 dB
806.000 MHz	1.000 GHz	100.000 kHz	880.41029 MHz	-54.23 dBm	-41.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83929 GHz	-42.60 dBm	-29.60 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.96285 GHz	-37.18 dBm	-24.18 dB

Date: 15.JAN.2020 16:48:26

LTE Band 13 / 10MHz

Middle Channel / QPSK

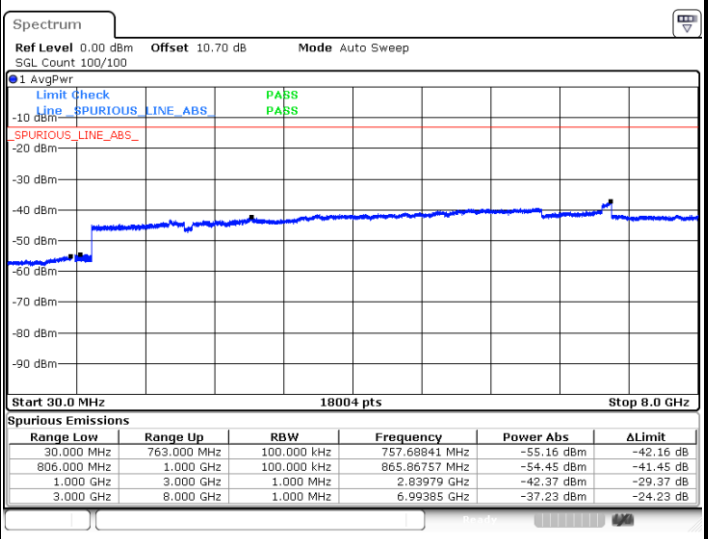


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	752.19365 MHz	-55.24 dBm	-42.24 dB
806.000 MHz	1.000 GHz	100.000 kHz	854.13643 MHz	-54.40 dBm	-41.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.33342 GHz	-41.83 dBm	-28.83 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99585 GHz	-37.19 dBm	-24.19 dB

Date: 15.JAN.2020 17:16:53

Middle Channel / 16QAM



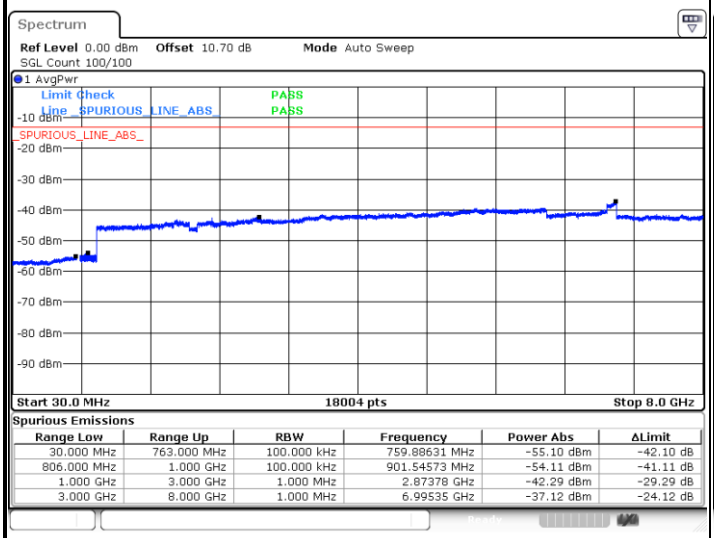
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	757.68841 MHz	-55.16 dBm	-42.16 dB
806.000 MHz	1.000 GHz	100.000 kHz	865.86757 MHz	-54.45 dBm	-41.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83979 GHz	-42.37 dBm	-29.37 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99385 GHz	-37.23 dBm	-24.23 dB

Date: 15.JAN.2020 17:16:01

LTE Band 13 / 5MHz

Lowest Channel / 64QAM

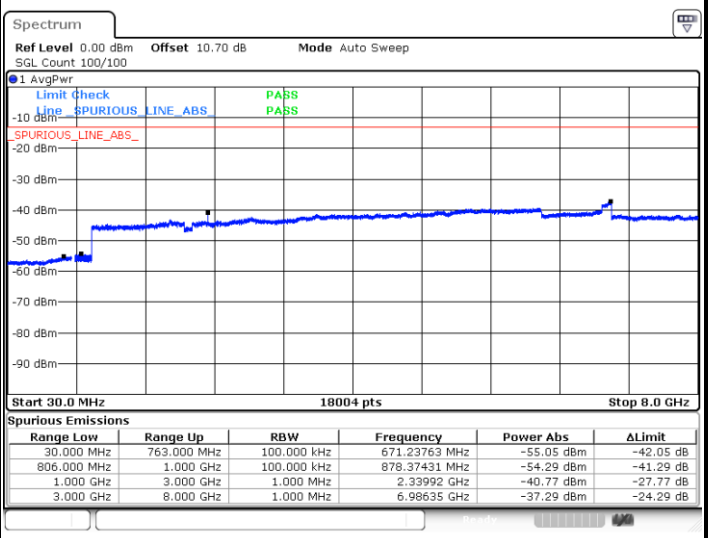


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	759.88631 MHz	-55.10 dBm	-42.10 dB
806.000 MHz	1.000 GHz	100.000 kHz	901.54573 MHz	-54.11 dBm	-41.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.87378 GHz	-42.29 dBm	-29.29 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99535 GHz	-37.12 dBm	-24.12 dB

Date: 15.JAN.2020 16:56:29

Middle Channel / 64QAM

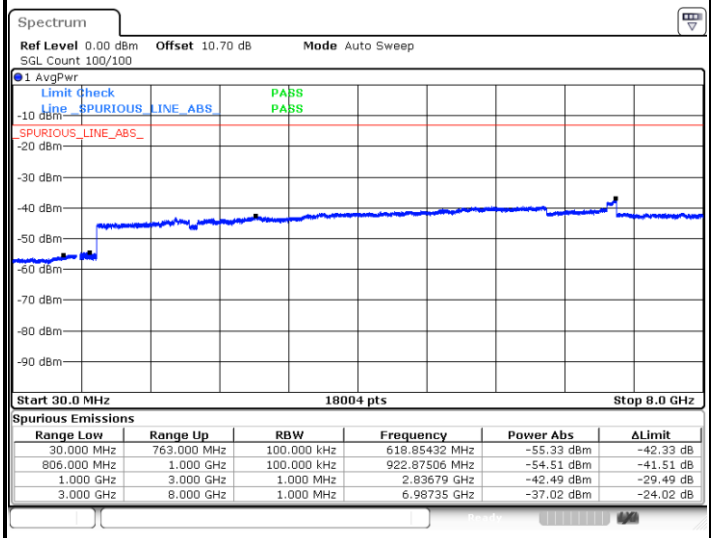


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	671.23763 MHz	-55.05 dBm	-42.05 dB
806.000 MHz	1.000 GHz	100.000 kHz	878.37431 MHz	-54.29 dBm	-41.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.33992 GHz	-40.77 dBm	-27.77 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98635 GHz	-37.29 dBm	-24.29 dB

Date: 15.JAN.2020 16:57:21

Highest Channel / 64QAM

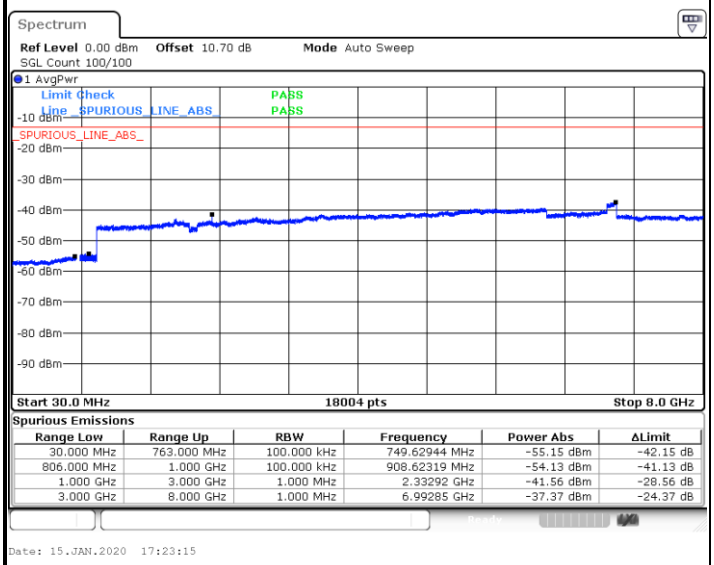


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	618.85432 MHz	-55.33 dBm	-42.33 dB
806.000 MHz	1.000 GHz	100.000 kHz	922.87506 MHz	-54.51 dBm	-41.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83679 GHz	-42.49 dBm	-29.49 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98735 GHz	-37.02 dBm	-24.02 dB

Date: 15.JAN.2020 17:02:30

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	749.62944 MHz	-55.15 dBm	-42.15 dB
806.000 MHz	1.000 GHz	100.000 kHz	908.62319 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.33292 GHz	-41.56 dBm	-28.56 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99285 GHz	-37.37 dBm	-24.37 dB

Date: 15.JAN.2020 17:23:15

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	0.0090	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0090	
0	Normal Voltage	0.0107	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

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

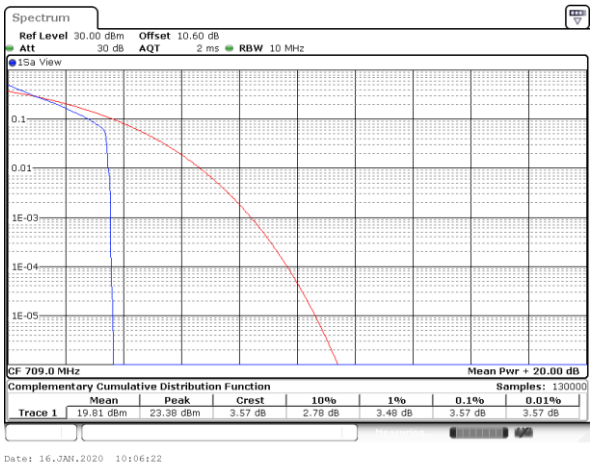
LTE Band 17

Peak-to-Average Ratio

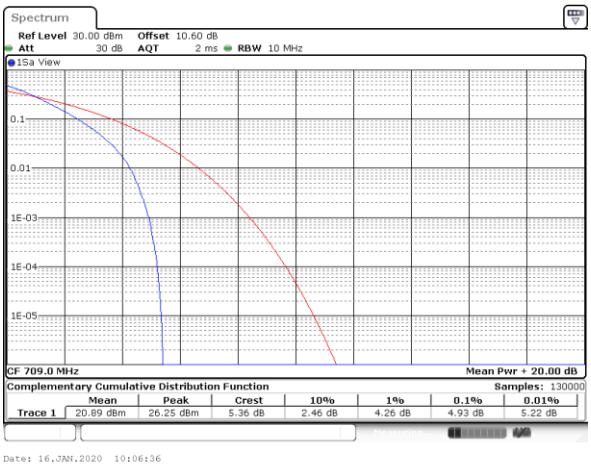
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.93	4.64	5.80	PASS
Middle CH	3.45	4.87	4.78	5.77	
Highest CH	3.42	4.84	4.46	5.83	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.03	6.32	-	-	PASS
Middle CH	5.88	6.32	-	-	
Highest CH	6.09	6.35	-	-	

LTE Band 17 / 10MHz / QPSK

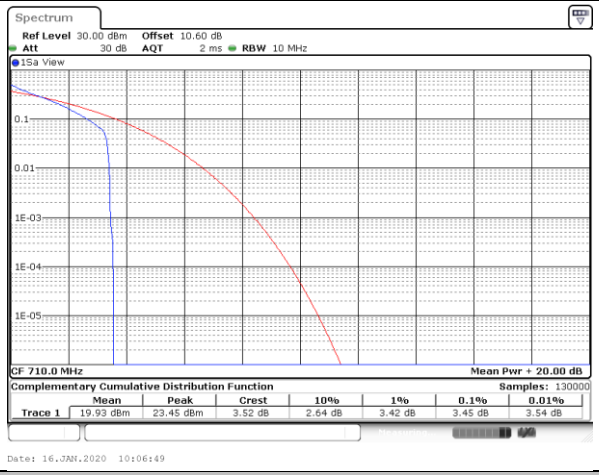
Lowest Channel / 1RB



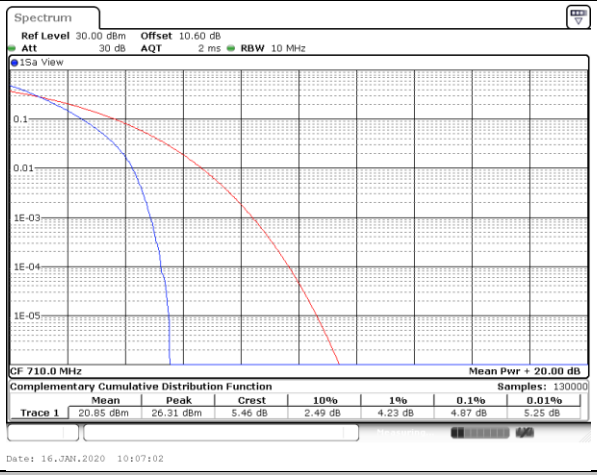
Lowest Channel / Full RB



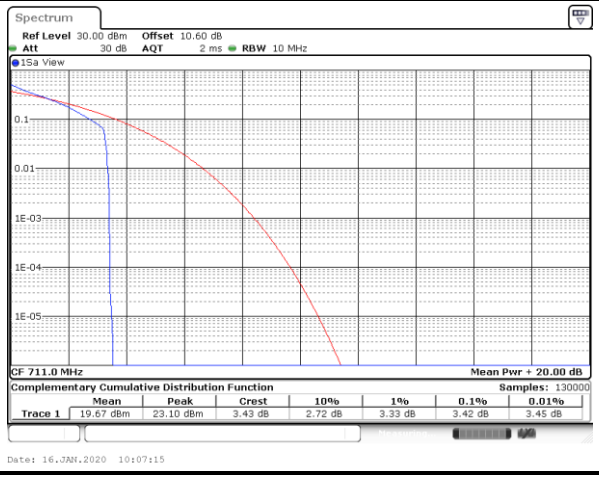
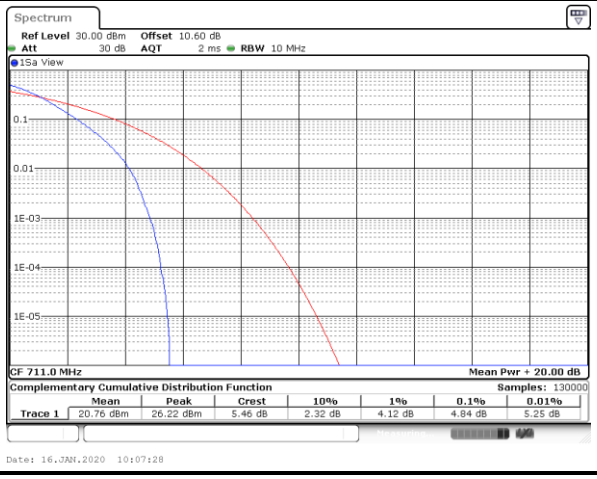
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB