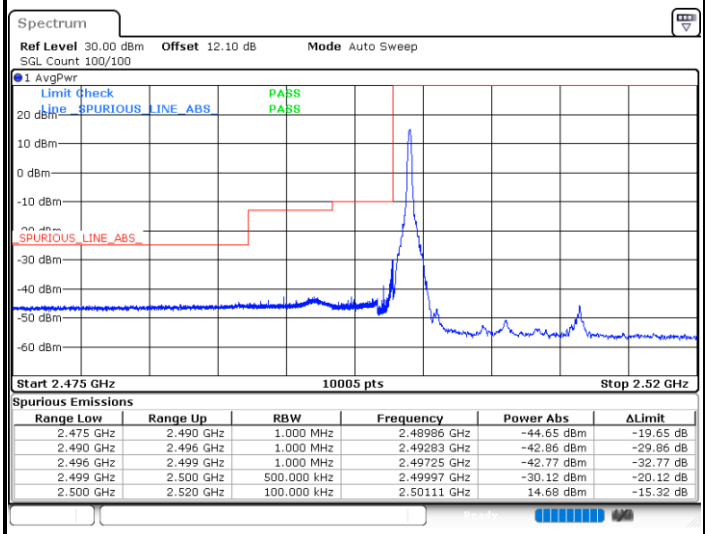
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

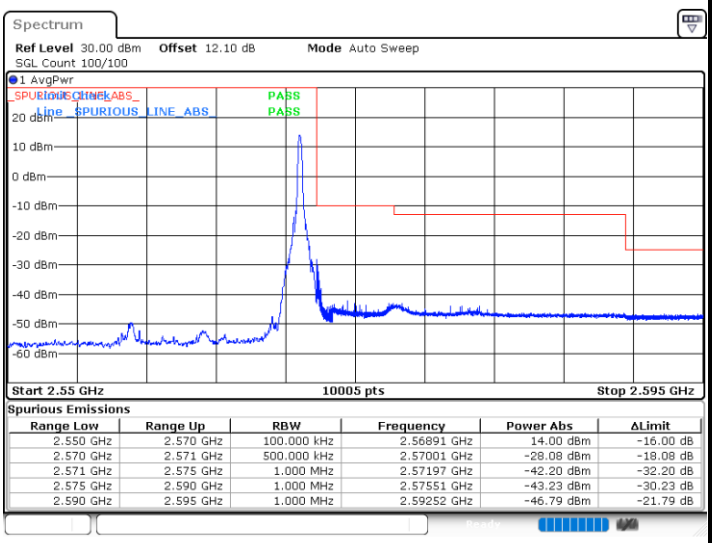


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48986 GHz	-44.65 dBm	-19.65 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49283 GHz	-42.86 dBm	-29.86 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49725 GHz	-42.77 dBm	-32.77 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49997 GHz	-30.12 dBm	-20.12 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50111 GHz	14.68 dBm	-15.32 dB

Date: 22.JUL.2020 10:26:11

Highest Band Edge / 1 RB

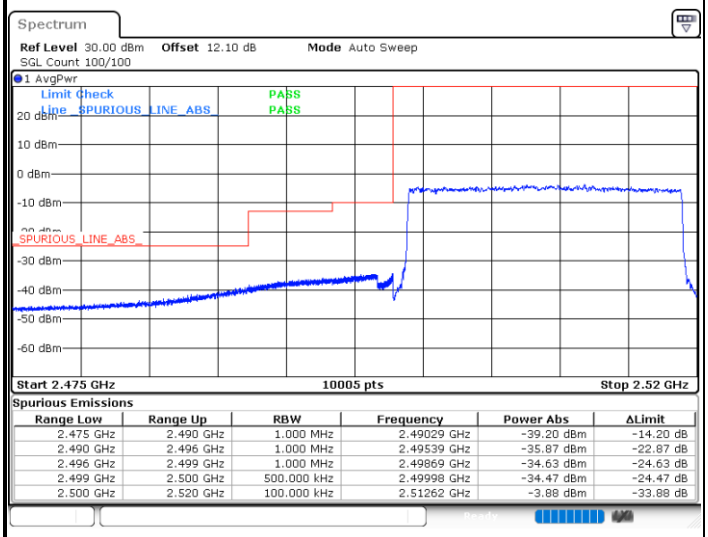


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	14.00 dBm	-16.00 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-28.08 dBm	-18.08 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57197 GHz	-42.20 dBm	-32.20 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57551 GHz	-43.23 dBm	-30.23 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59252 GHz	-46.79 dBm	-21.79 dB

Date: 22.JUL.2020 10:35:54

Lowest Band Edge / Full RB

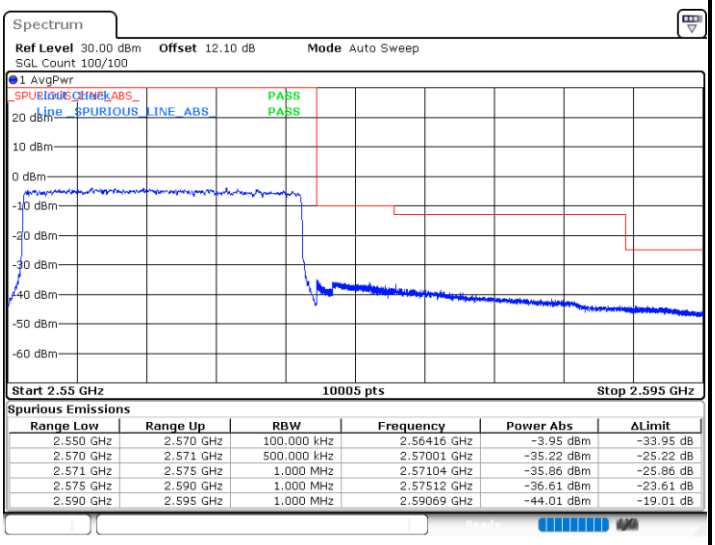


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49029 GHz	-39.20 dBm	-14.20 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49539 GHz	-35.87 dBm	-22.87 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49869 GHz	-34.63 dBm	-24.63 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-34.47 dBm	-24.47 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51262 GHz	-3.88 dBm	-33.88 dB

Date: 22.JUL.2020 10:28:16

Highest Band Edge / Full RB



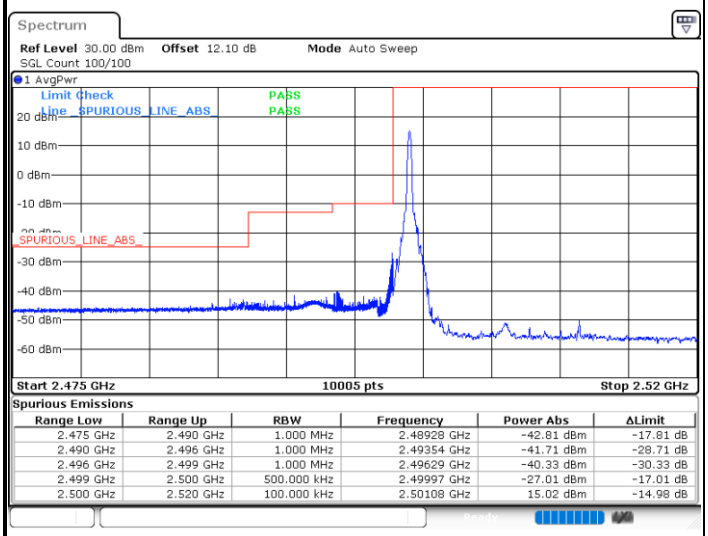
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56416 GHz	-3.95 dBm	-33.95 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-35.22 dBm	-25.22 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-35.86 dBm	-25.86 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57512 GHz	-36.61 dBm	-23.61 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59069 GHz	-44.01 dBm	-19.01 dB

Date: 22.JUL.2020 10:39:01

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge /1 RB

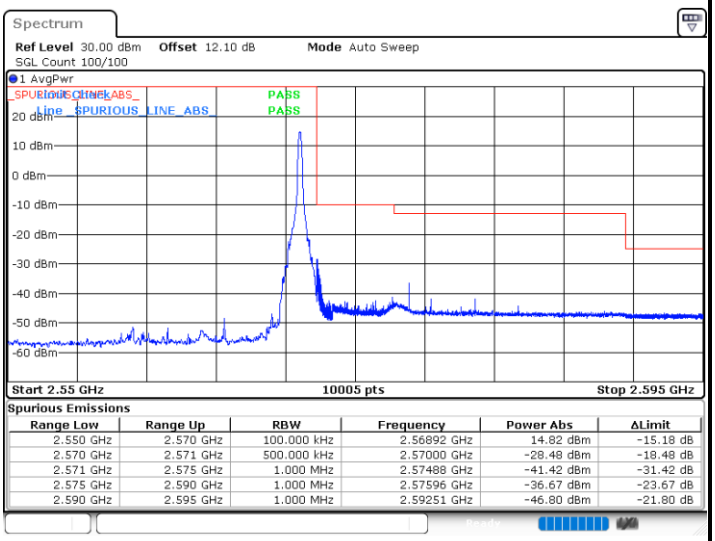


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48928 GHz	-42.81 dBm	-17.81 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49354 GHz	-41.71 dBm	-28.71 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49629 GHz	-40.33 dBm	-30.33 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49997 GHz	-27.01 dBm	-17.01 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50108 GHz	15.02 dBm	-14.98 dB

Date: 22.JUL.2020 10:27:14

Highest Band Edge / 1RB

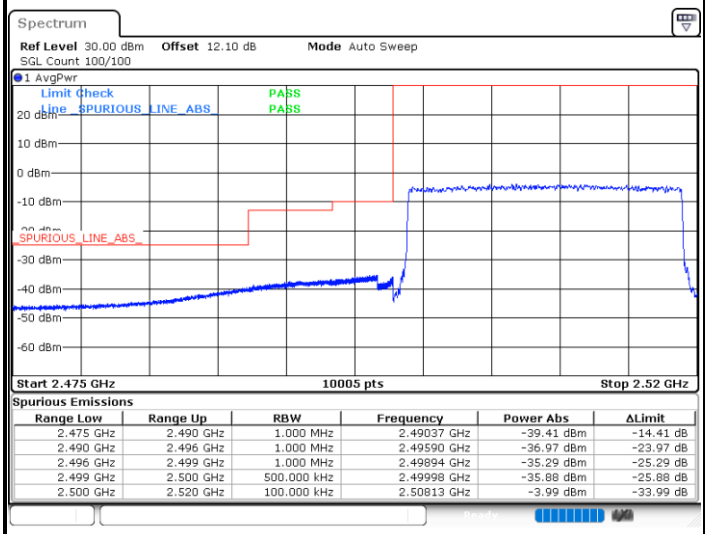


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56892 GHz	14.82 dBm	-15.18 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-28.48 dBm	-18.48 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57488 GHz	-41.42 dBm	-31.42 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57596 GHz	-36.67 dBm	-23.67 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59251 GHz	-46.80 dBm	-21.80 dB

Date: 22.JUL.2020 10:36:56

Lowest Band Edge / Full RB

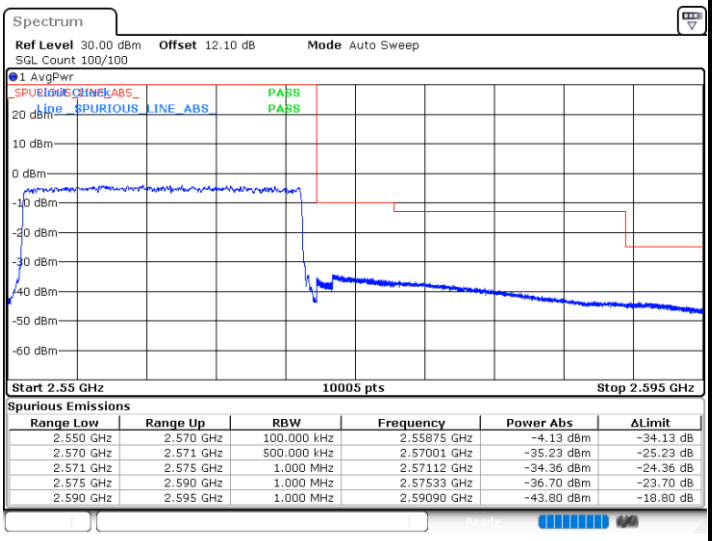


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49037 GHz	-39.41 dBm	-14.41 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49590 GHz	-36.97 dBm	-23.97 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49894 GHz	-35.29 dBm	-25.29 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-35.88 dBm	-25.88 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50813 GHz	-3.99 dBm	-33.99 dB

Date: 22.JUL.2020 10:29:19

Highest Band Edge / Full RB



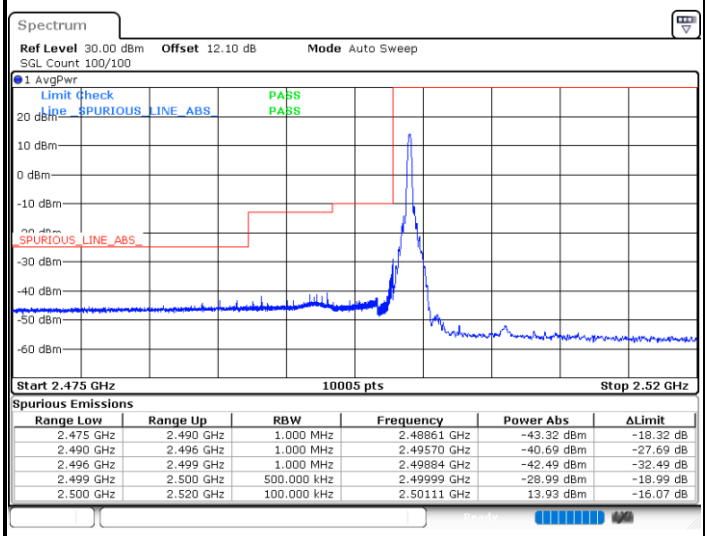
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55875 GHz	-4.13 dBm	-34.13 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-35.23 dBm	-25.23 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-34.36 dBm	-24.36 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57533 GHz	-36.70 dBm	-23.70 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59090 GHz	-43.80 dBm	-18.80 dB

Date: 22.JUL.2020 10:37:58

LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

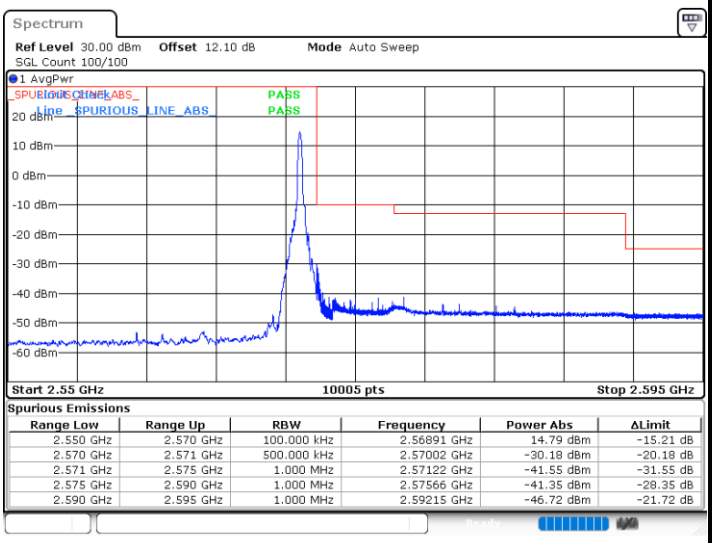


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48861 GHz	-43.32 dBm	-18.32 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49570 GHz	-40.69 dBm	-27.69 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49884 GHz	-42.49 dBm	-32.49 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-28.99 dBm	-18.99 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50111 GHz	13.93 dBm	-16.07 dB

Date: 22.JUL.2020 10:42:27

Highest Band Edge / 1 RB

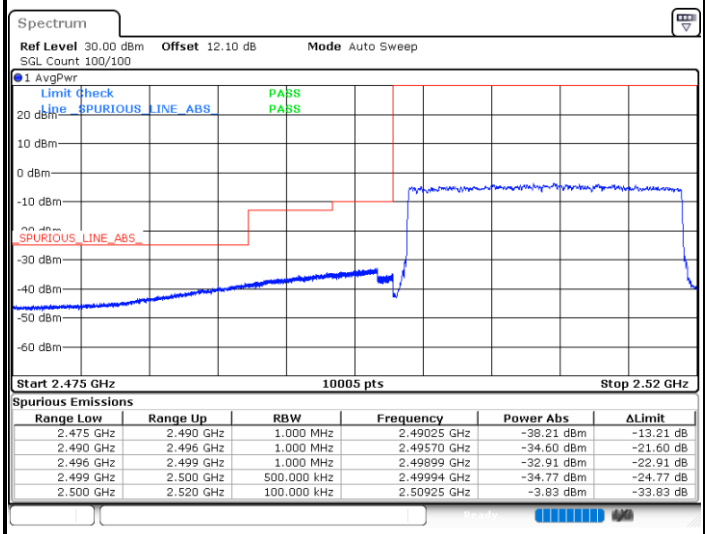


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	14.79 dBm	-15.21 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-30.18 dBm	-20.18 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57122 GHz	-41.55 dBm	-31.55 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57566 GHz	-41.35 dBm	-28.35 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59215 GHz	-46.72 dBm	-21.72 dB

Date: 22.JUL.2020 10:47:18

Lowest Band Edge / Full RB

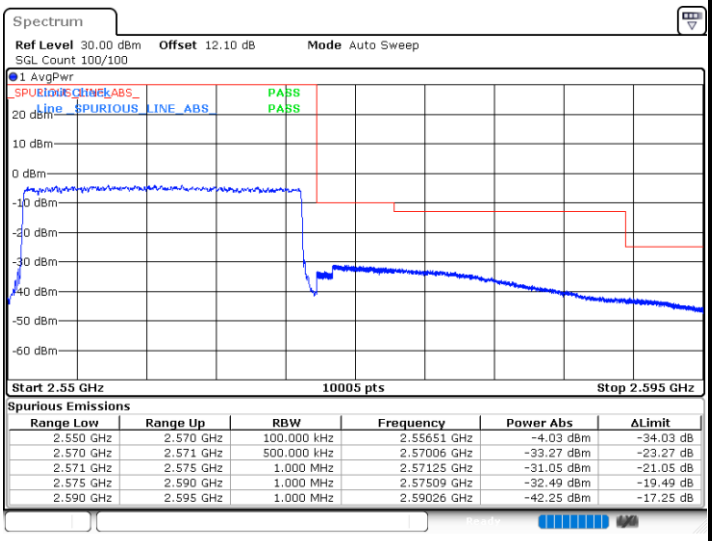


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49025 GHz	-38.21 dBm	-13.21 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49570 GHz	-34.60 dBm	-21.60 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-32.91 dBm	-22.91 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49994 GHz	-34.77 dBm	-24.77 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50925 GHz	-3.83 dBm	-33.83 dB

Date: 22.JUL.2020 10:43:30

Highest Band Edge / Full RB



Spurious Emissions

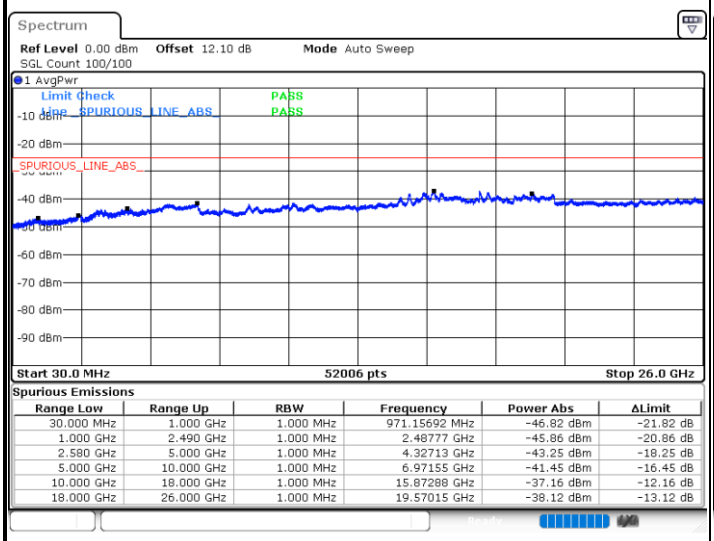
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55651 GHz	-4.03 dBm	-34.03 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57006 GHz	-33.27 dBm	-23.27 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57125 GHz	-31.05 dBm	-21.05 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57509 GHz	-32.49 dBm	-19.49 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59026 GHz	-42.25 dBm	-17.25 dB

Date: 22.JUL.2020 10:48:20

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

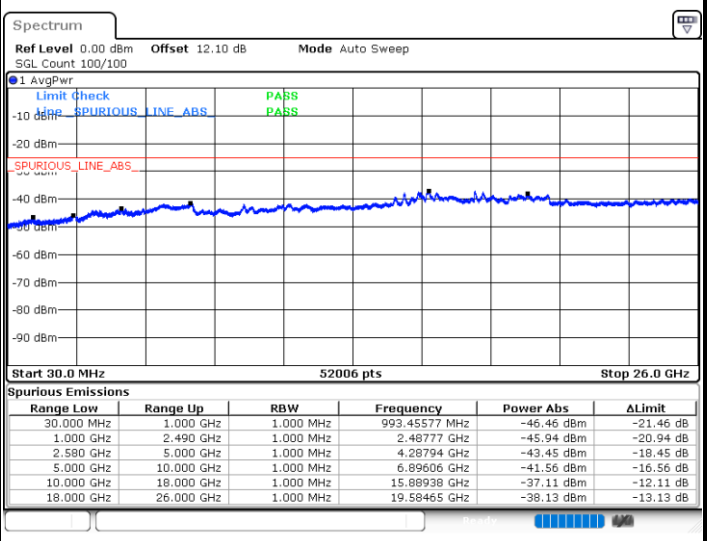


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-46.82 dBm	-21.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-45.86 dBm	-20.86 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.32713 GHz	-43.25 dBm	-18.25 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97155 GHz	-41.45 dBm	-16.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87288 GHz	-37.16 dBm	-12.16 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57015 GHz	-38.12 dBm	-13.12 dB

Date: 22.JUL.2020 09:15:14

Lowest Channel / 16QAM

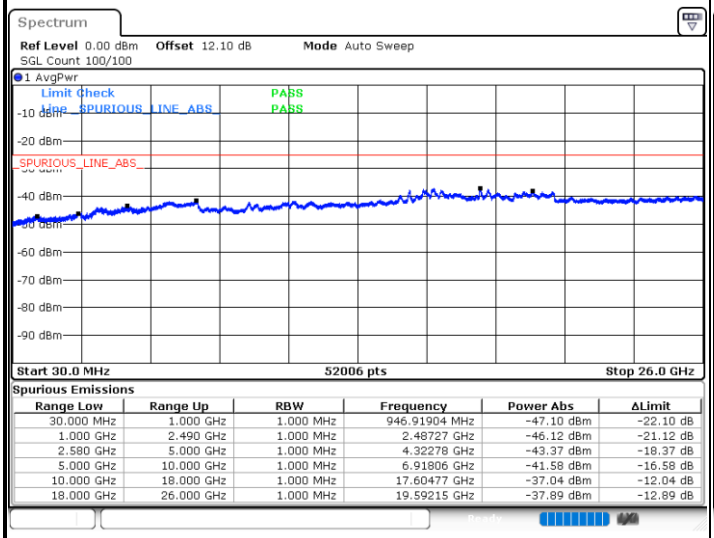


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-46.46 dBm	-21.46 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-45.94 dBm	-20.94 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.28794 GHz	-43.45 dBm	-18.45 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.89606 GHz	-41.56 dBm	-16.56 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.88938 GHz	-37.11 dBm	-12.11 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58465 GHz	-38.13 dBm	-13.13 dB

Date: 22.JUL.2020 09:16:14

Middle Channel / QPSK

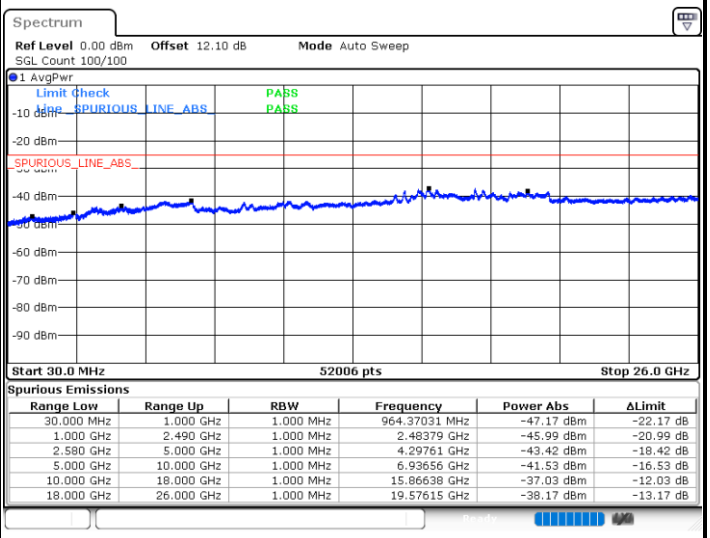


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.91904 MHz	-47.10 dBm	-22.10 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48727 GHz	-46.12 dBm	-21.12 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.32278 GHz	-43.37 dBm	-18.37 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91806 GHz	-41.58 dBm	-16.58 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60477 GHz	-37.04 dBm	-12.04 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59215 GHz	-37.89 dBm	-12.89 dB

Date: 22.JUL.2020 09:18:00

Middle Channel / 16QAM



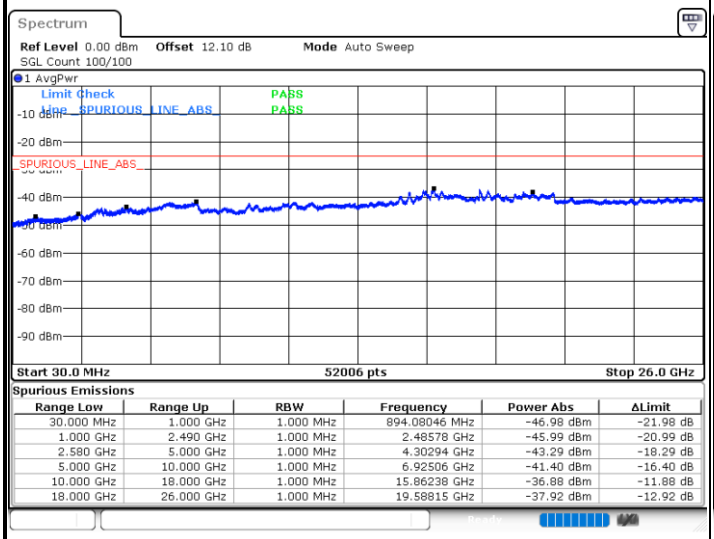
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-47.17 dBm	-22.17 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-45.99 dBm	-20.99 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29761 GHz	-43.42 dBm	-18.42 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.93656 GHz	-41.53 dBm	-16.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86638 GHz	-37.03 dBm	-12.03 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57615 GHz	-38.17 dBm	-13.17 dB

Date: 22.JUL.2020 09:18:59

LTE Band 7 / 5MHz

Highest Channel / QPSK

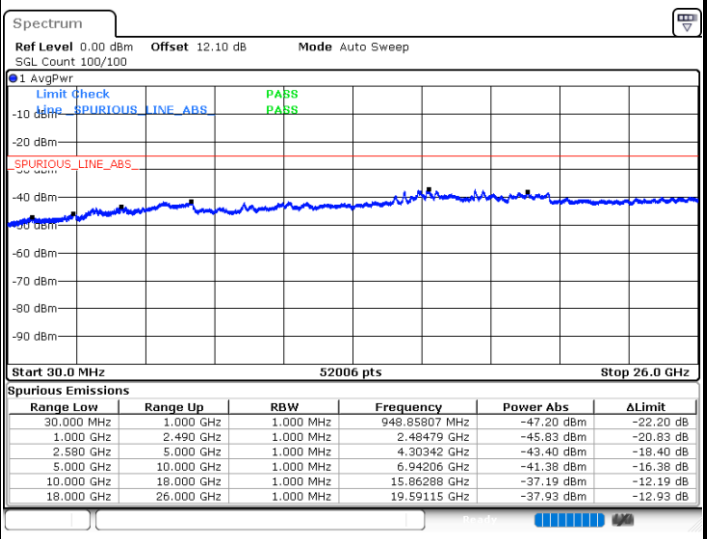


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.08046 MHz	-46.98 dBm	-21.98 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-45.99 dBm	-20.99 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30294 GHz	-43.29 dBm	-18.29 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92506 GHz	-41.40 dBm	-16.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86238 GHz	-36.88 dBm	-11.88 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58815 GHz	-37.92 dBm	-12.92 dB

Date: 22.JUL.2020 09:24:56

Highest Channel / 16QAM



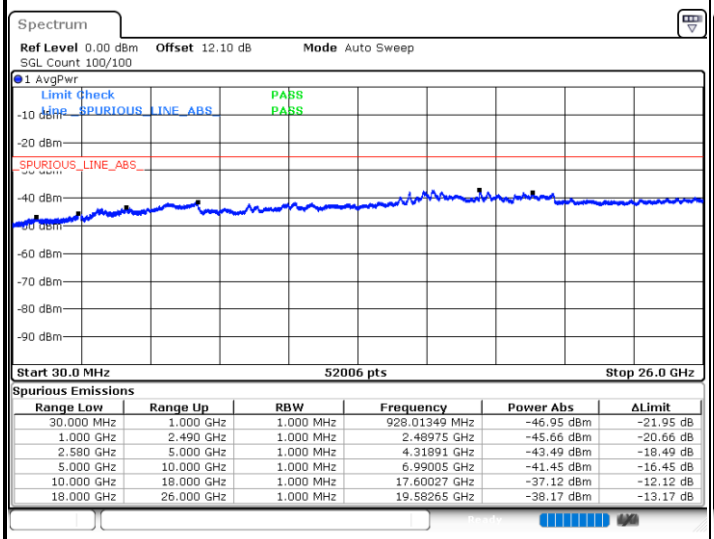
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-47.20 dBm	-22.20 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48479 GHz	-45.83 dBm	-20.83 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30342 GHz	-43.40 dBm	-18.40 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94206 GHz	-41.38 dBm	-16.38 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86288 GHz	-37.19 dBm	-12.19 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59115 GHz	-37.93 dBm	-12.93 dB

Date: 22.JUL.2020 09:25:56

LTE Band 7 / 10MHz

Lowest Channel / QPSK

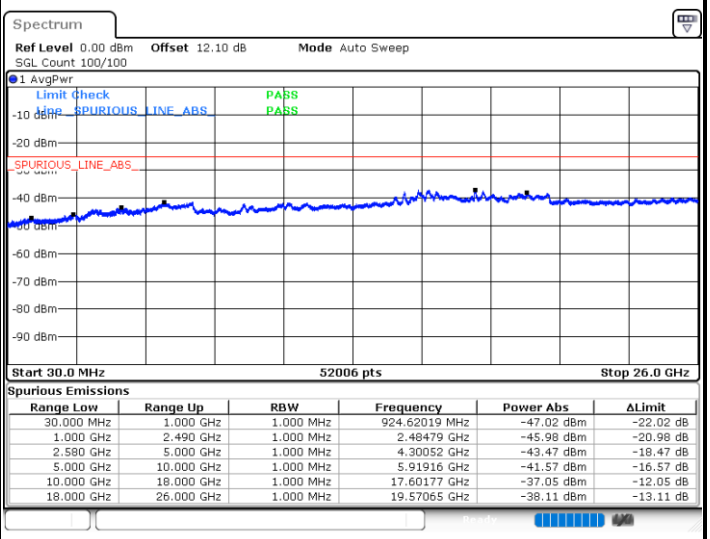


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-46.95 dBm	-21.95 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-45.66 dBm	-20.66 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31891 GHz	-43.49 dBm	-18.49 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99005 GHz	-41.45 dBm	-16.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60027 GHz	-37.12 dBm	-12.12 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58265 GHz	-38.17 dBm	-13.17 dB

Date: 22.JUL.2020 09:40:14

Lowest Channel / 16QAM



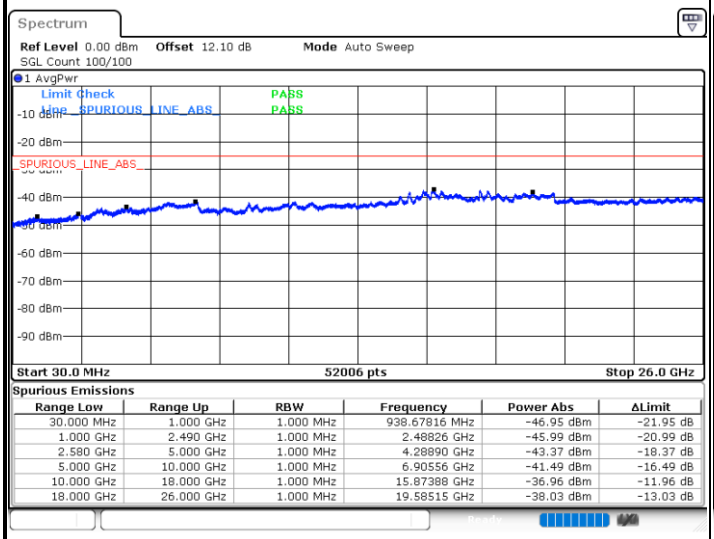
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.62019 MHz	-47.02 dBm	-22.02 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48479 GHz	-45.98 dBm	-20.98 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30052 GHz	-43.47 dBm	-18.47 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.91916 GHz	-41.57 dBm	-16.57 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60177 GHz	-37.05 dBm	-12.05 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57065 GHz	-38.11 dBm	-13.11 dB

Date: 22.JUL.2020 09:41:15

LTE Band 7 / 10MHz

Middle Channel / QPSK

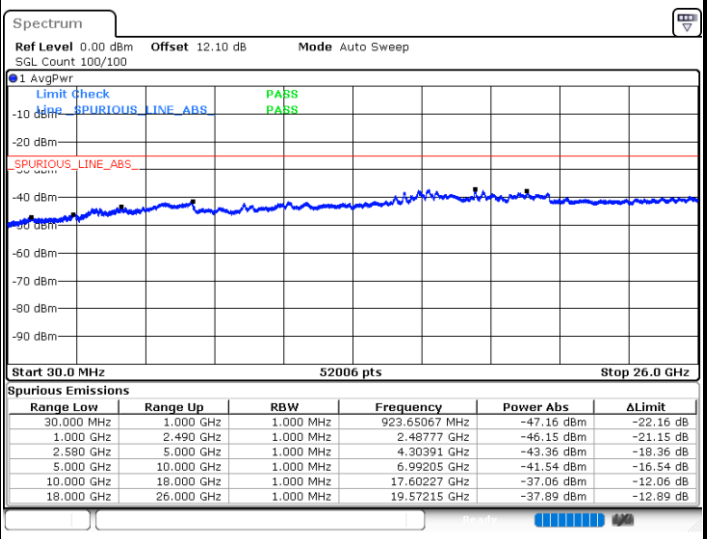


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-46.95 dBm	-21.95 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-45.99 dBm	-20.99 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.28890 GHz	-43.37 dBm	-18.37 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.90556 GHz	-41.49 dBm	-16.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87388 GHz	-36.96 dBm	-11.96 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58515 GHz	-38.03 dBm	-13.03 dB

Date: 22.JUL.2020 09:43:01

Middle Channel / 16QAM

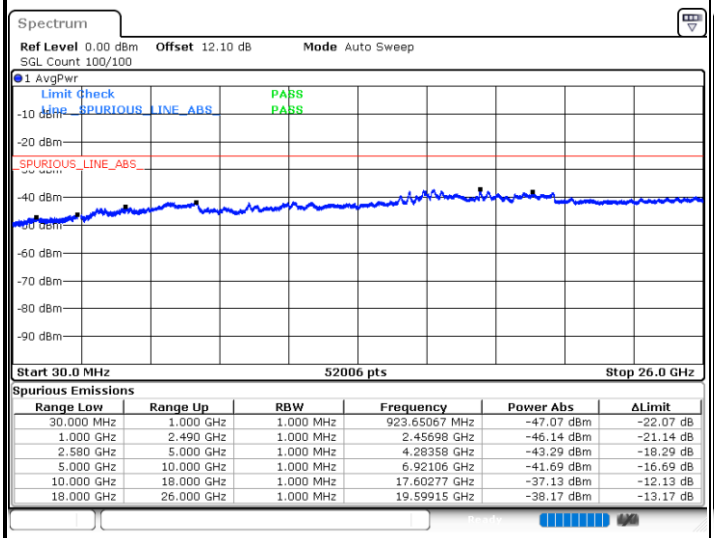


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.65067 MHz	-47.16 dBm	-22.16 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-46.15 dBm	-21.15 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30391 GHz	-43.36 dBm	-18.36 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99205 GHz	-41.54 dBm	-16.54 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60227 GHz	-37.06 dBm	-12.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57215 GHz	-37.89 dBm	-12.89 dB

Date: 22.JUL.2020 09:44:00

Highest Channel / QPSK

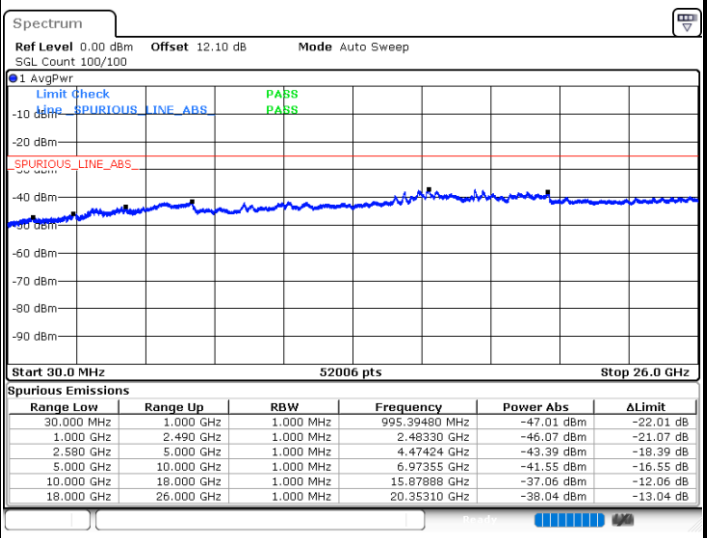


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.65067 MHz	-47.07 dBm	-22.07 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45698 GHz	-46.14 dBm	-21.14 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.28358 GHz	-43.29 dBm	-18.29 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92106 GHz	-41.69 dBm	-16.69 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60277 GHz	-37.13 dBm	-12.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59915 GHz	-38.17 dBm	-13.17 dB

Date: 22.JUL.2020 09:49:57

Highest Channel / 16QAM



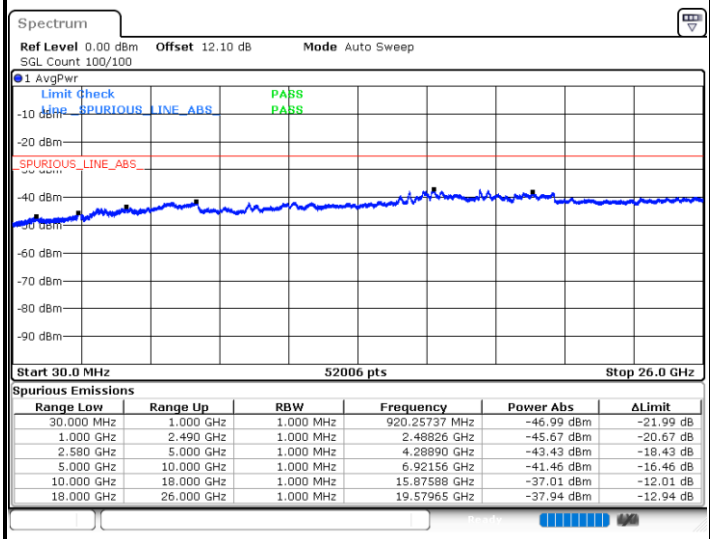
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.39480 MHz	-47.01 dBm	-22.01 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-46.07 dBm	-21.07 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.47424 GHz	-43.39 dBm	-18.39 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97355 GHz	-41.55 dBm	-16.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87888 GHz	-37.06 dBm	-12.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.35310 GHz	-38.04 dBm	-13.04 dB

Date: 22.JUL.2020 09:50:58

LTE Band 7 / 15MHz

Lowest Channel / QPSK

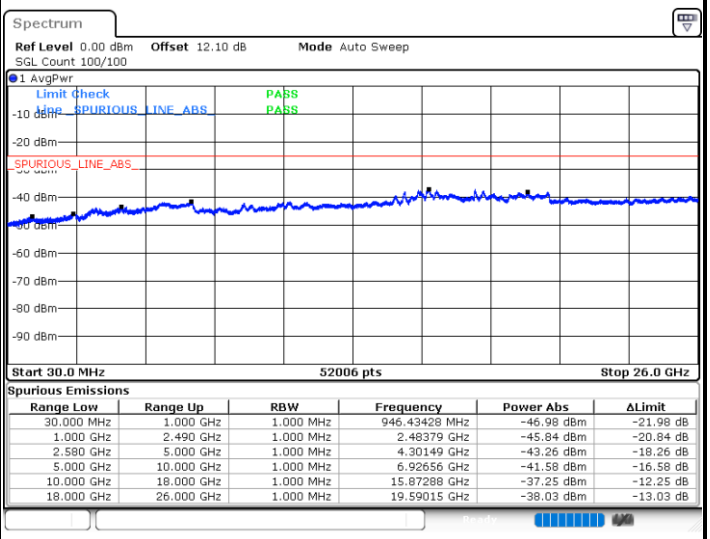


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.25737 MHz	-46.99 dBm	-21.99 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-45.67 dBm	-20.67 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.28890 GHz	-43.43 dBm	-18.43 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92156 GHz	-41.46 dBm	-16.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87588 GHz	-37.01 dBm	-12.01 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57965 GHz	-37.94 dBm	-12.94 dB

Date: 22.JUL.2020 10:05:15

Lowest Channel / 16QAM

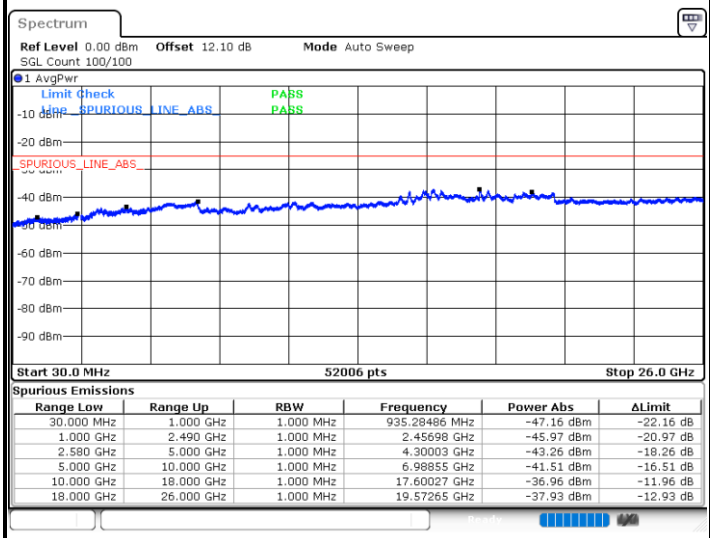


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.43428 MHz	-46.98 dBm	-21.98 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-45.84 dBm	-20.84 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30149 GHz	-43.26 dBm	-18.26 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92656 GHz	-41.58 dBm	-16.58 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87288 GHz	-37.25 dBm	-12.25 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59015 GHz	-38.03 dBm	-13.03 dB

Date: 22.JUL.2020 10:06:15

Middle Channel / QPSK

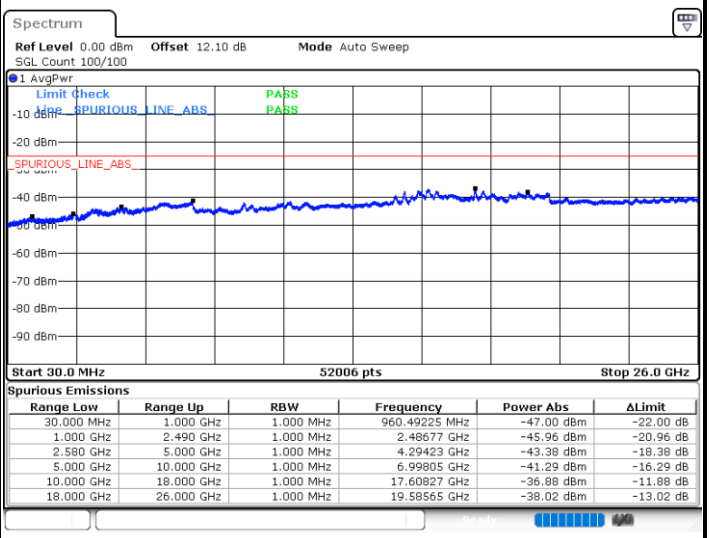


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-47.16 dBm	-22.16 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45698 GHz	-45.97 dBm	-20.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30003 GHz	-43.26 dBm	-18.26 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98855 GHz	-41.51 dBm	-16.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60027 GHz	-36.96 dBm	-11.96 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57265 GHz	-37.93 dBm	-12.93 dB

Date: 22.JUL.2020 10:08:01

Middle Channel / 16QAM



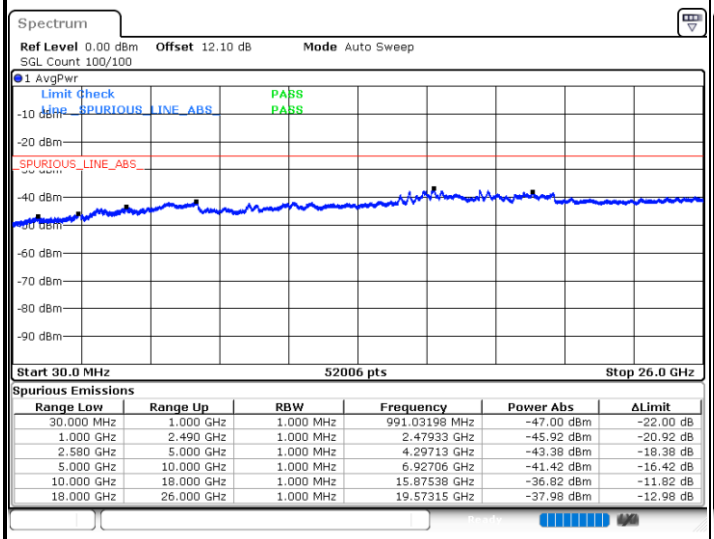
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.49225 MHz	-47.00 dBm	-22.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48677 GHz	-45.96 dBm	-20.96 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29423 GHz	-43.38 dBm	-18.38 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99805 GHz	-41.29 dBm	-16.29 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60827 GHz	-36.88 dBm	-11.88 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58565 GHz	-38.02 dBm	-13.02 dB

Date: 22.JUL.2020 10:09:01

LTE Band7 / 15MHz

Highest Channel / QPSK

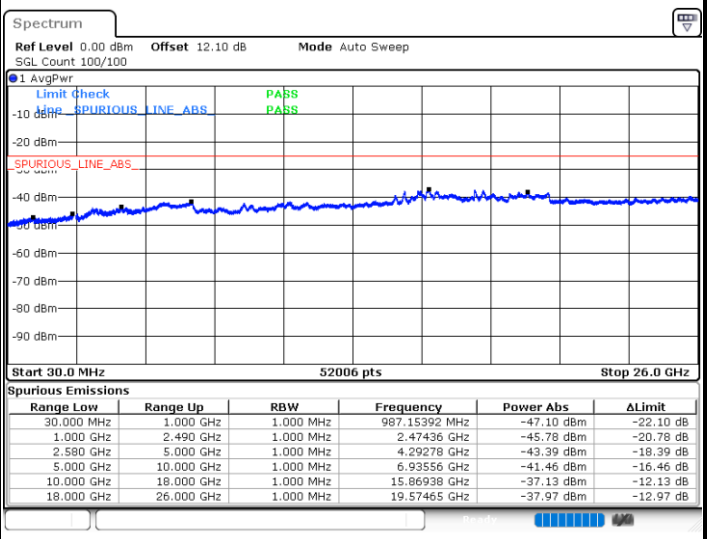


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-47.00 dBm	-22.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47933 GHz	-45.92 dBm	-20.92 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29713 GHz	-43.38 dBm	-18.38 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92706 GHz	-41.42 dBm	-16.42 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87538 GHz	-36.82 dBm	-11.82 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57315 GHz	-37.98 dBm	-12.98 dB

Date: 22.JUL.2020 10:14:57

Highest Channel / 16QAM



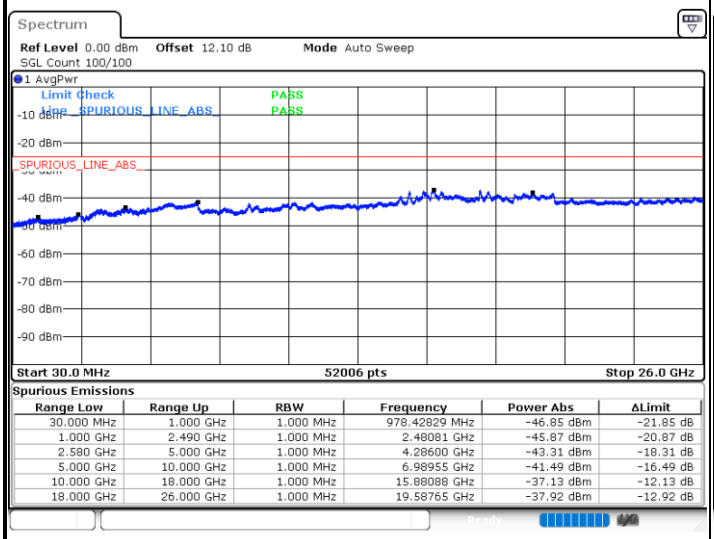
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-47.10 dBm	-22.10 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47436 GHz	-45.78 dBm	-20.78 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29278 GHz	-43.39 dBm	-18.39 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.93556 GHz	-41.46 dBm	-16.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86938 GHz	-37.13 dBm	-12.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57465 GHz	-37.97 dBm	-12.97 dB

Date: 22.JUL.2020 10:15:57

LTE Band 7 / 20MHz

Lowest Channel / QPSK

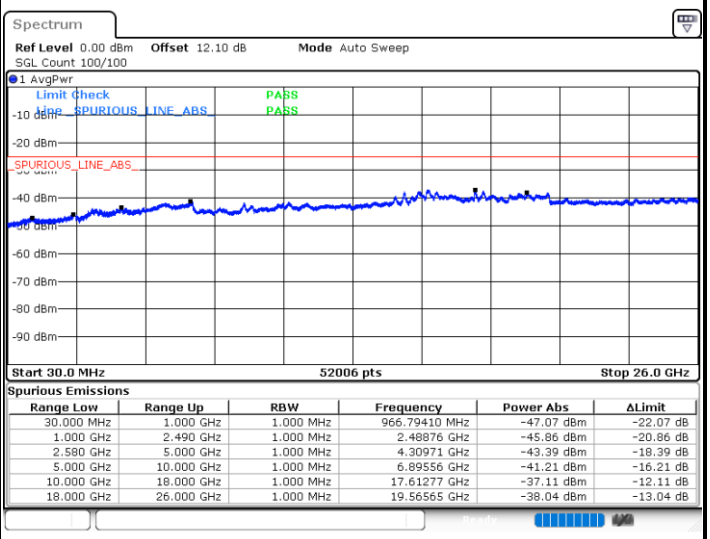


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-46.85 dBm	-21.85 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48081 GHz	-45.87 dBm	-20.87 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.28600 GHz	-43.31 dBm	-18.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98955 GHz	-41.49 dBm	-16.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.88088 GHz	-37.13 dBm	-12.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58765 GHz	-37.92 dBm	-12.92 dB

Date: 22.JUL.2020 10:30:16

Lowest Channel / 16QAM



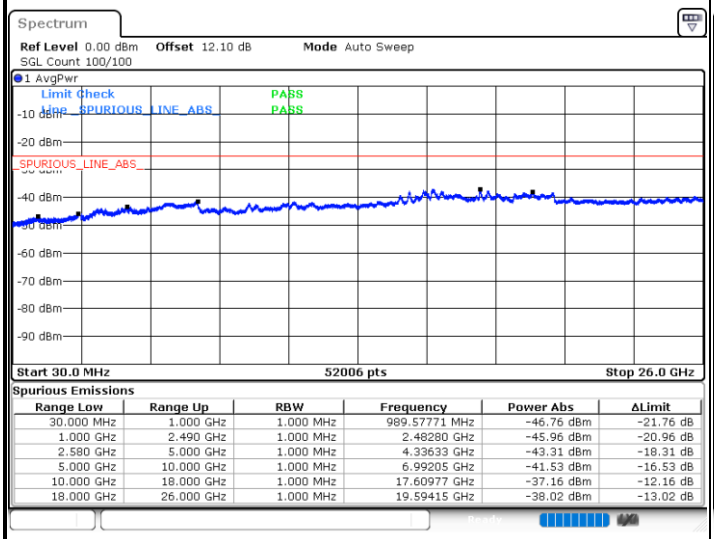
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-47.07 dBm	-22.07 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48876 GHz	-45.86 dBm	-20.86 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30971 GHz	-43.39 dBm	-18.39 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.89556 GHz	-41.21 dBm	-16.21 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.61277 GHz	-37.11 dBm	-12.11 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.56565 GHz	-38.04 dBm	-13.04 dB

Date: 22.JUL.2020 10:31:16

LTE Band 7 / 20MHz

Middle Channel / QPSK

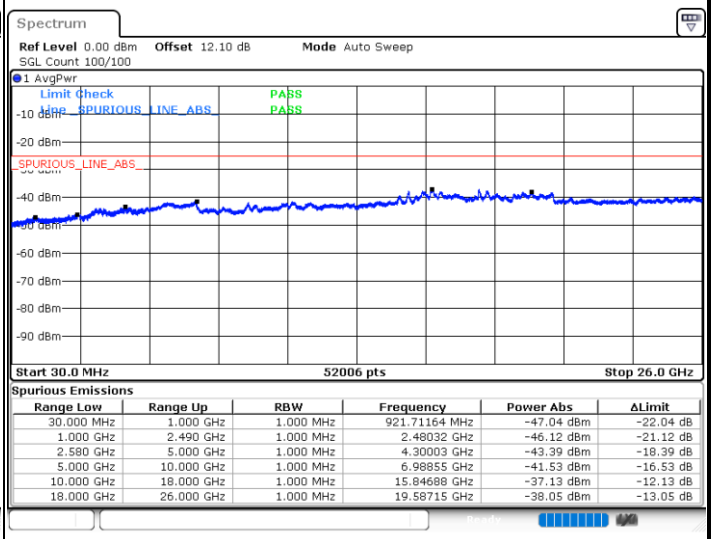


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.57771 MHz	-46.76 dBm	-21.76 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-45.96 dBm	-20.96 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.33633 GHz	-43.31 dBm	-18.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99205 GHz	-41.53 dBm	-16.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60977 GHz	-37.16 dBm	-12.16 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59415 GHz	-38.02 dBm	-13.02 dB

Date: 22.JUL.2020 10:33:01

Middle Channel / 16QAM

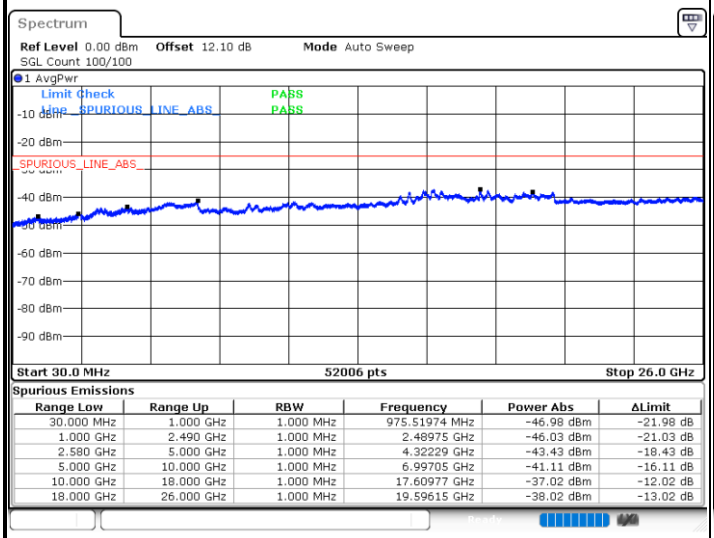


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-47.04 dBm	-22.04 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48032 GHz	-46.12 dBm	-21.12 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30003 GHz	-43.39 dBm	-18.39 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98855 GHz	-41.53 dBm	-16.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.84688 GHz	-37.13 dBm	-12.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58715 GHz	-38.05 dBm	-13.05 dB

Date: 22.JUL.2020 10:34:01

Highest Channel / QPSK

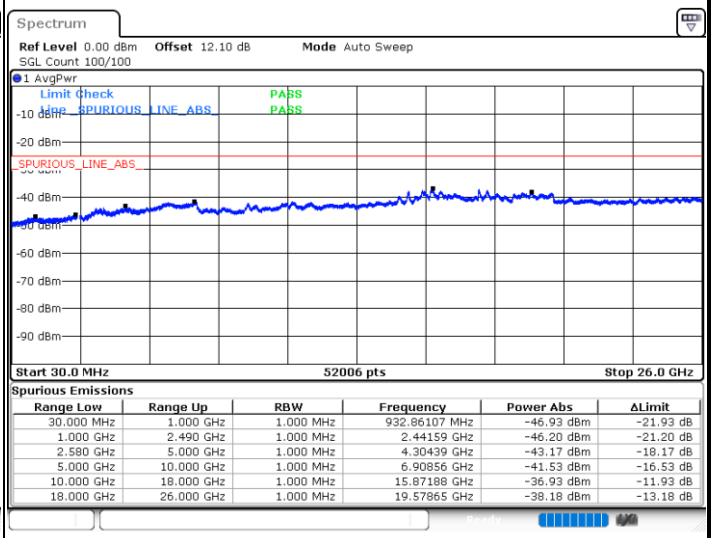


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.51974 MHz	-46.98 dBm	-21.98 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-46.03 dBm	-21.03 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.32229 GHz	-43.43 dBm	-18.43 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99705 GHz	-41.11 dBm	-16.11 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60977 GHz	-37.02 dBm	-12.02 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59615 GHz	-38.02 dBm	-13.02 dB

Date: 22.JUL.2020 10:39:57

Highest Channel / 16QAM



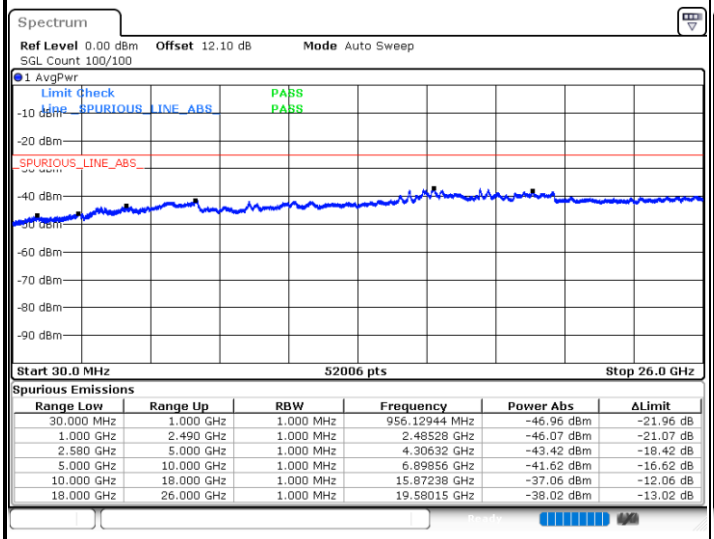
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.86107 MHz	-46.93 dBm	-21.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44159 GHz	-46.20 dBm	-21.20 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30439 GHz	-43.17 dBm	-18.17 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.90856 GHz	-41.53 dBm	-16.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87188 GHz	-36.93 dBm	-11.93 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57865 GHz	-38.18 dBm	-13.18 dB

Date: 22.JUL.2020 10:40:57

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

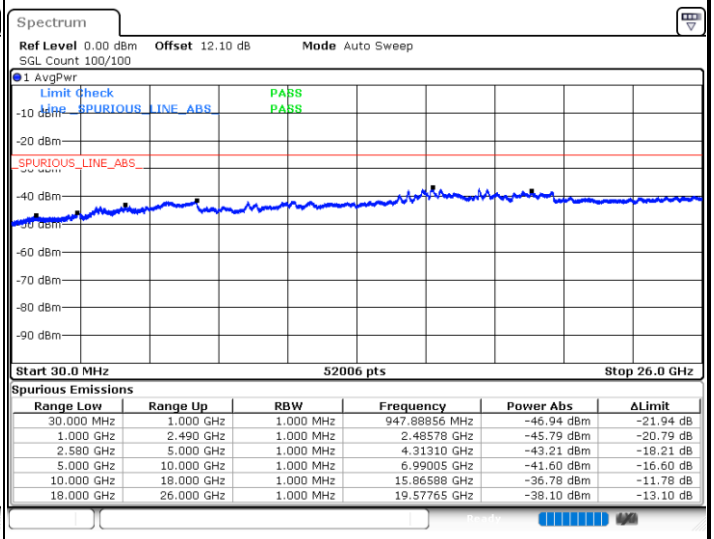


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.12944 MHz	-46.96 dBm	-21.96 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48528 GHz	-46.07 dBm	-21.07 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30632 GHz	-43.42 dBm	-18.42 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.89856 GHz	-41.62 dBm	-16.62 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87238 GHz	-37.06 dBm	-12.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58015 GHz	-38.02 dBm	-13.02 dB

Date: 22.JUL.2020 09:29:26

Middle Channel / 64QAM

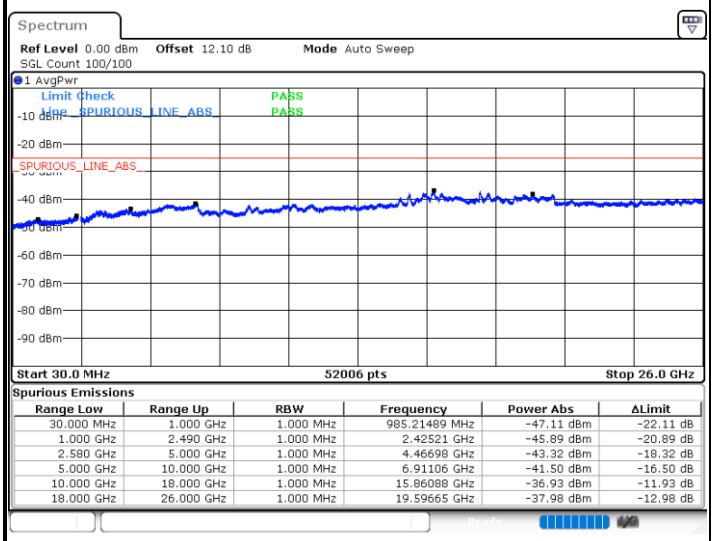


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-46.94 dBm	-21.94 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-45.79 dBm	-20.79 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31310 GHz	-43.21 dBm	-18.21 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99005 GHz	-41.60 dBm	-16.60 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86588 GHz	-36.78 dBm	-11.78 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57765 GHz	-38.10 dBm	-13.10 dB

Date: 22.JUL.2020 09:30:48

Highest Channel / 64QAM



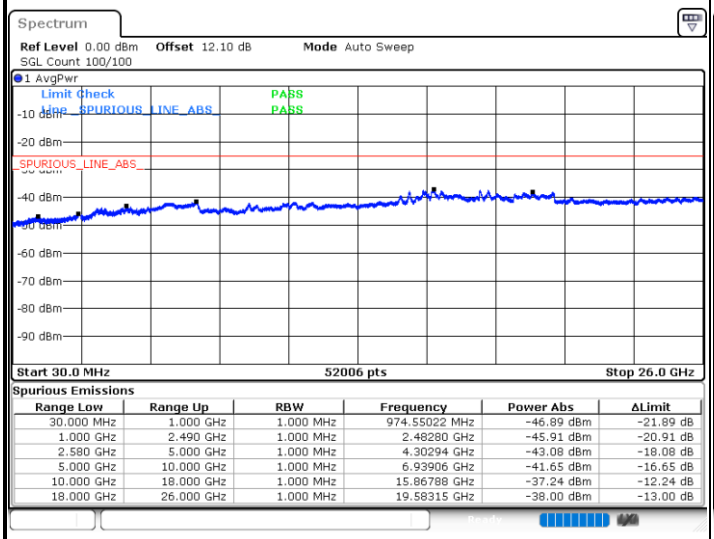
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.21489 MHz	-47.11 dBm	-22.11 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.42521 GHz	-45.89 dBm	-20.89 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.46698 GHz	-43.32 dBm	-18.32 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91106 GHz	-41.50 dBm	-16.50 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86088 GHz	-36.93 dBm	-11.93 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59665 GHz	-37.98 dBm	-12.98 dB

Date: 22.JUL.2020 09:34:17

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

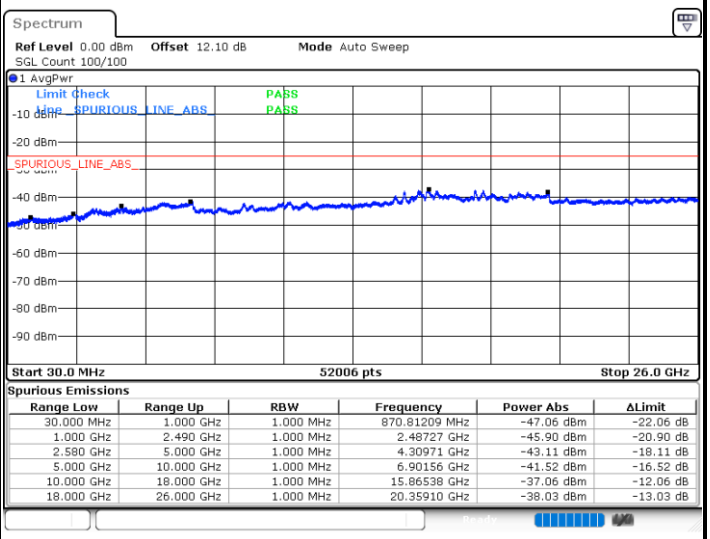


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-46.89 dBm	-21.89 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-45.91 dBm	-20.91 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30294 GHz	-43.08 dBm	-18.08 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.93906 GHz	-41.65 dBm	-16.65 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86788 GHz	-37.24 dBm	-12.24 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58315 GHz	-38.00 dBm	-13.00 dB

Date: 22.JUL.2020 09:54:26

Middle Channel / 64QAM

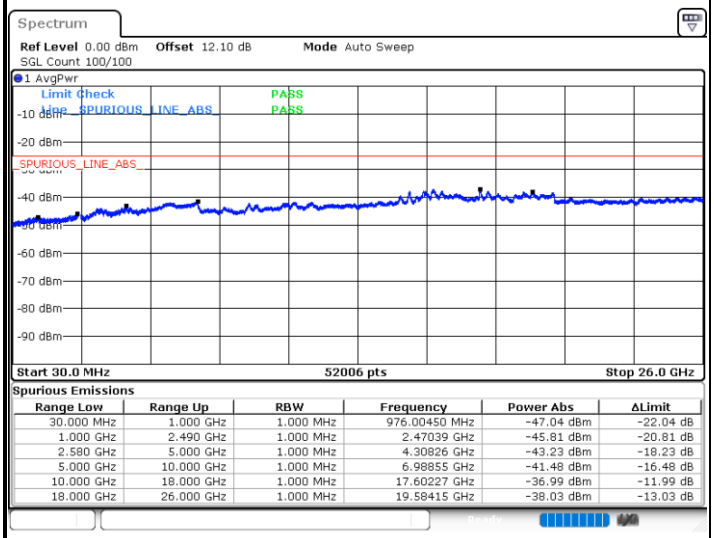


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-47.06 dBm	-22.06 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48727 GHz	-45.90 dBm	-20.90 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30971 GHz	-43.11 dBm	-18.11 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.90156 GHz	-41.52 dBm	-16.52 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86538 GHz	-37.06 dBm	-12.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.35910 GHz	-38.03 dBm	-13.03 dB

Date: 22.JUL.2020 09:55:49

Highest Channel / 64QAM



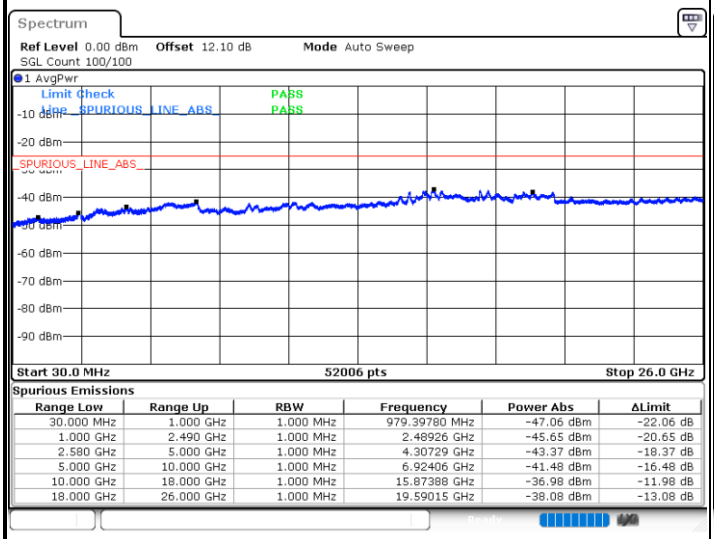
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-47.04 dBm	-22.04 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47039 GHz	-45.81 dBm	-20.81 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30826 GHz	-43.23 dBm	-18.23 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98855 GHz	-41.48 dBm	-16.48 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60227 GHz	-36.99 dBm	-11.99 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58415 GHz	-38.03 dBm	-13.03 dB

Date: 22.JUL.2020 09:59:17

LTE Band 7 / 15MHz

Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.39780 MHz	-47.06 dBm	-22.06 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-45.65 dBm	-20.65 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30729 GHz	-43.37 dBm	-18.37 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92406 GHz	-41.48 dBm	-16.48 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87388 GHz	-36.98 dBm	-11.98 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59015 GHz	-38.08 dBm	-13.08 dB

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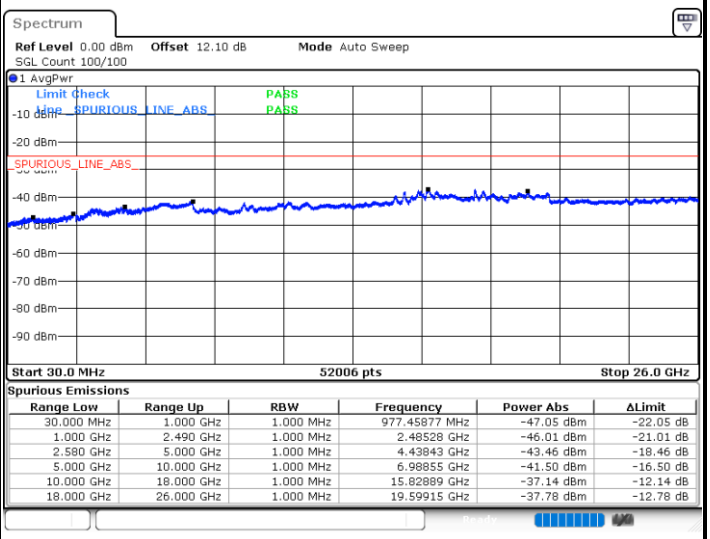
Middle Channel / 64QAM

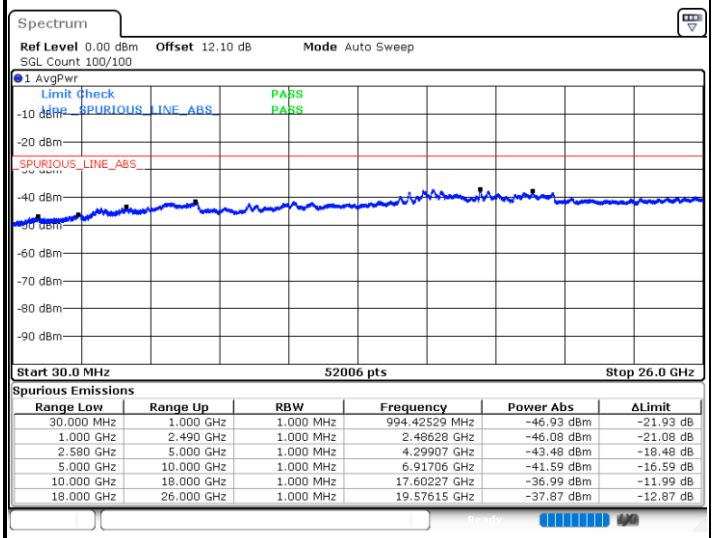


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-47.05 dBm	-22.05 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48528 GHz	-46.01 dBm	-21.01 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.43843 GHz	-43.46 dBm	-18.46 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98855 GHz	-41.50 dBm	-16.50 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.82889 GHz	-37.14 dBm	-12.14 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.59915 GHz	-37.78 dBm	-12.78 dB

Date: 22.JUL.2020 10:20:49

Highest Channel / 64QAM



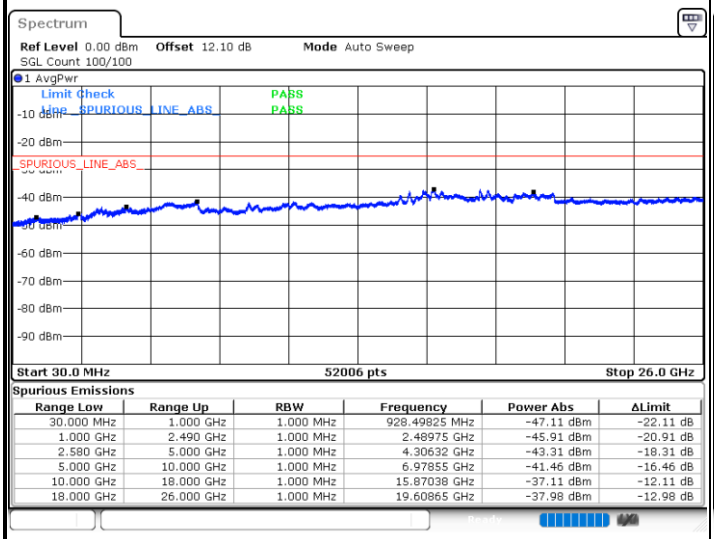
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-46.93 dBm	-21.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48628 GHz	-46.08 dBm	-21.08 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29907 GHz	-43.48 dBm	-18.48 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91706 GHz	-41.59 dBm	-16.59 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60227 GHz	-36.99 dBm	-11.99 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.57615 GHz	-37.87 dBm	-12.87 dB

Date: 22.JUL.2020 10:24:17

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

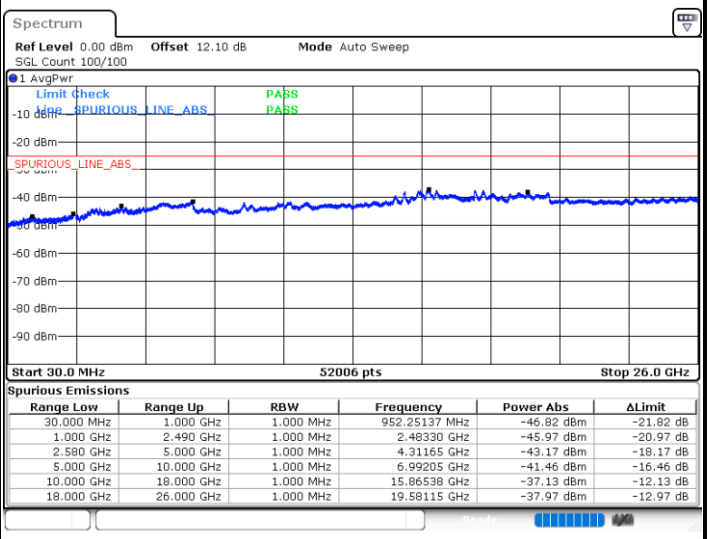


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-47.11 dBm	-22.11 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-45.91 dBm	-20.91 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30632 GHz	-43.31 dBm	-18.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97855 GHz	-41.46 dBm	-16.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.87038 GHz	-37.11 dBm	-12.11 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.60865 GHz	-37.98 dBm	-12.98 dB

Date: 22.JUL.2020 10:44:27

Middle Channel / 64QAM

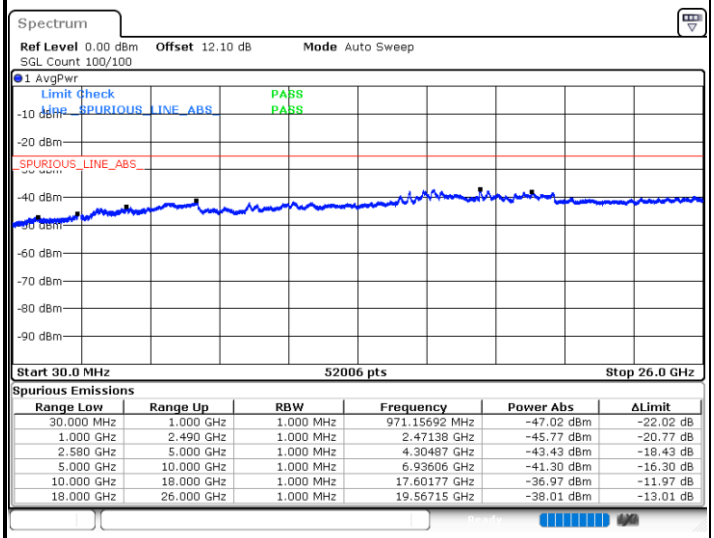


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.25137 MHz	-46.82 dBm	-21.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-45.97 dBm	-20.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31165 GHz	-43.17 dBm	-18.17 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99205 GHz	-41.46 dBm	-16.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86538 GHz	-37.13 dBm	-12.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.58115 GHz	-37.97 dBm	-12.97 dB

Date: 22.JUL.2020 10:45:49

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-47.02 dBm	-22.02 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47138 GHz	-45.77 dBm	-20.77 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30487 GHz	-43.43 dBm	-18.43 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.93606 GHz	-41.30 dBm	-16.30 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60177 GHz	-36.97 dBm	-11.97 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.56715 GHz	-38.01 dBm	-13.01 dB

Date: 22.JUL.2020 10:49:17

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

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

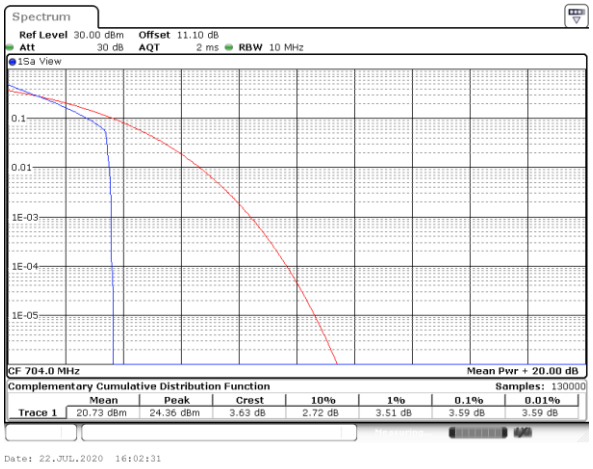
LTE Band 12

Peak-to-Average Ratio

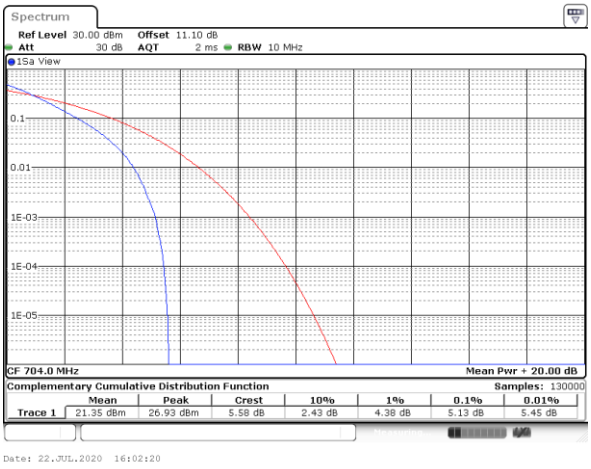
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.59	5.13	4.93	5.94	PASS
Middle CH	3.54	4.96	4.84	5.86	
Highest CH	3.57	4.99	5.33	5.88	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.80	6.41	-	-	PASS
Middle CH	6.43	6.29	-	-	
Highest CH	6.72	6.29	-	-	

LTE Band 12 / 10MHz / QPSK

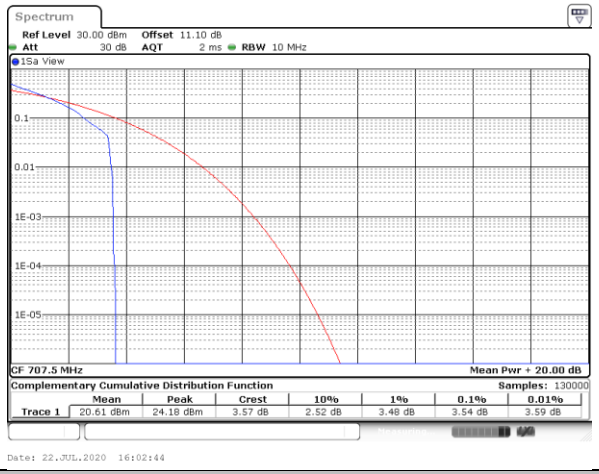
Lowest Channel / 1RB



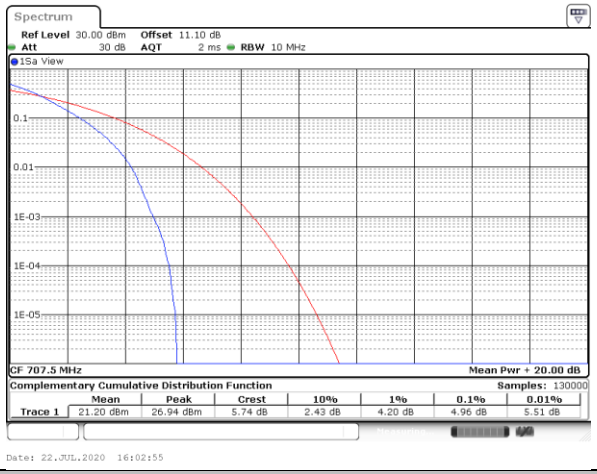
Lowest Channel / Full RB



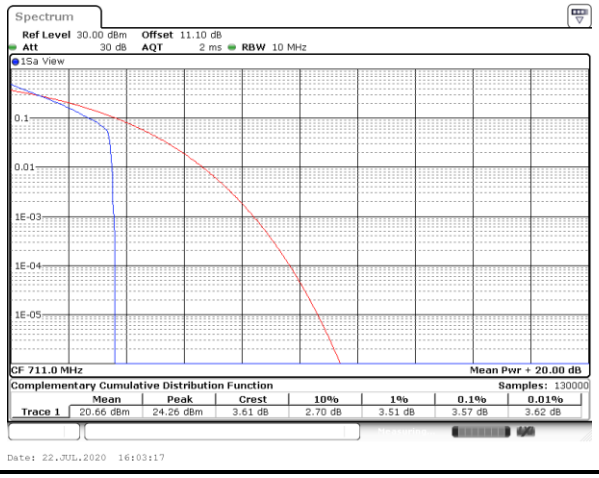
Middle Channel / 1RB



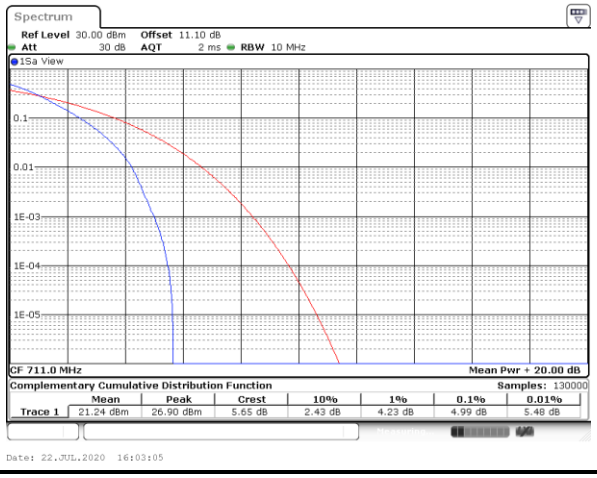
Middle Channel / Full RB



Highest Channel / 1RB

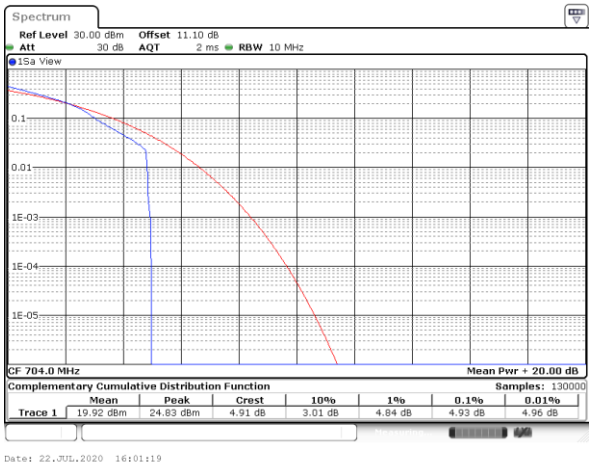


Highest Channel / Full RB

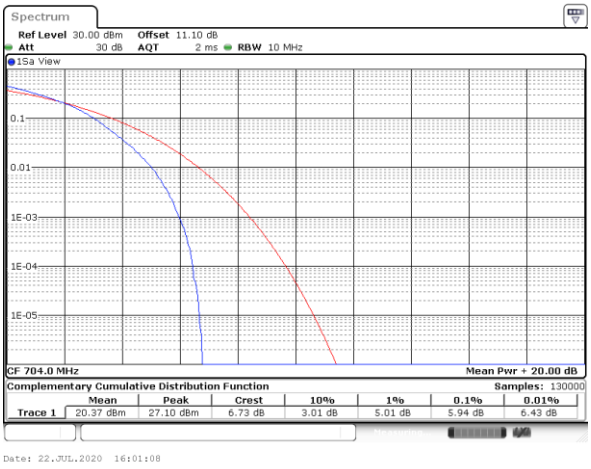


LTE Band 12 / 10MHz / 16QAM

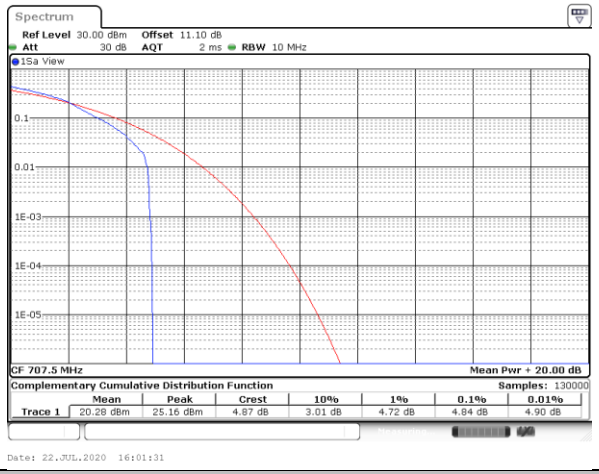
Lowest Channel / 1RB



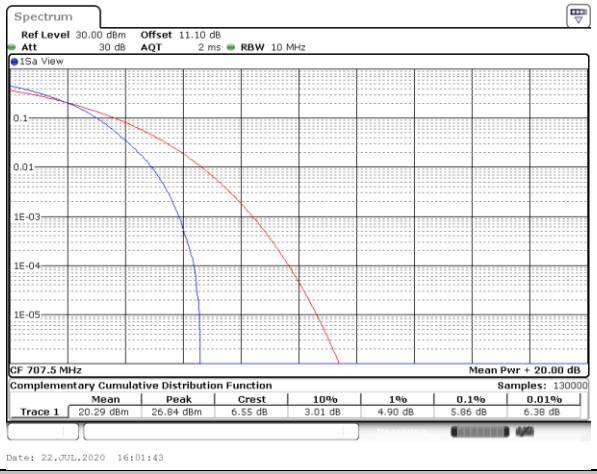
Lowest Channel / Full RB



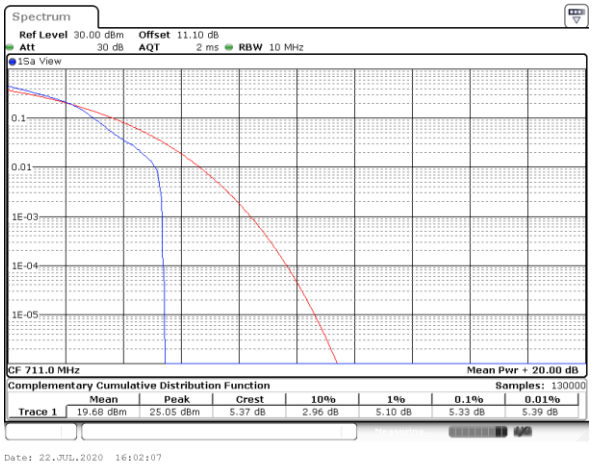
Middle Channel / 1RB



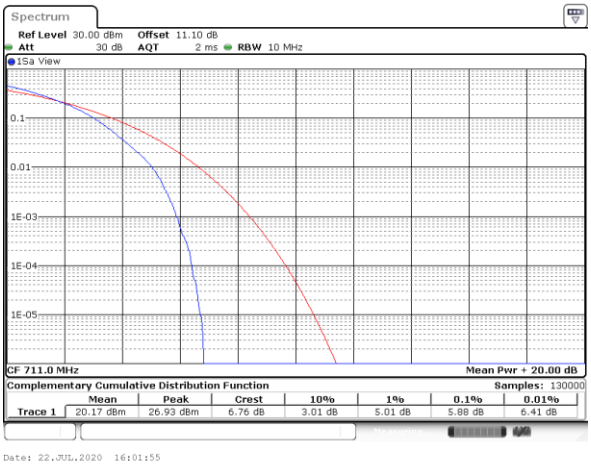
Middle Channel / Full RB



Highest Channel / 1RB

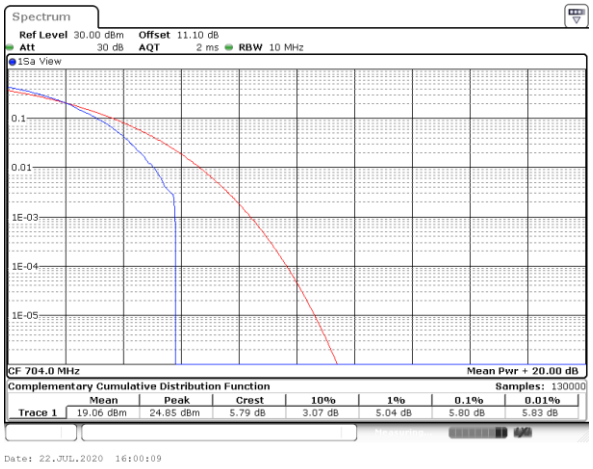


Highest Channel / Full RB

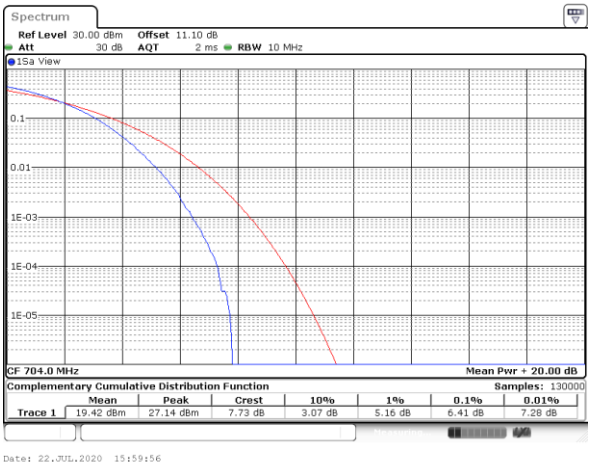


LTE Band 12 / 10MHz / 64QAM

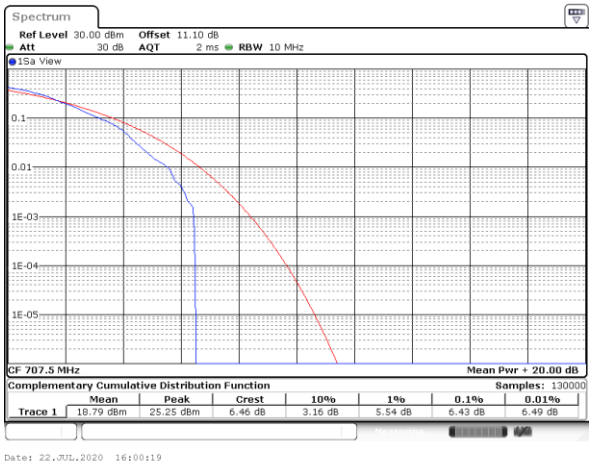
Lowest Channel / 1RB



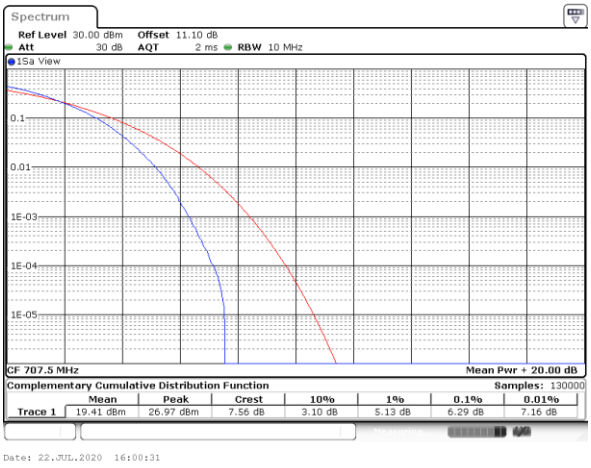
Lowest Channel / Full RB



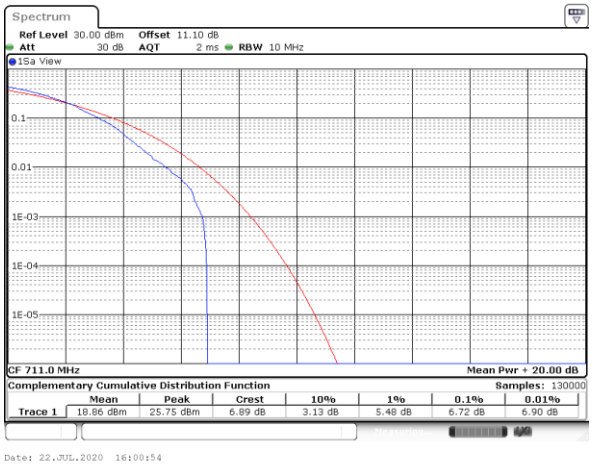
Middle Channel / 1RB



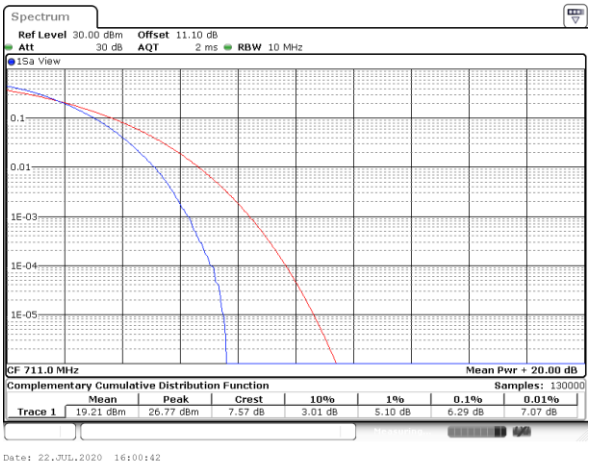
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

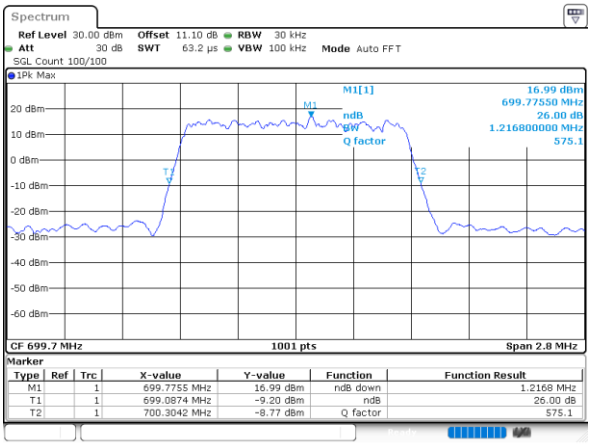


26dB Bandwidth

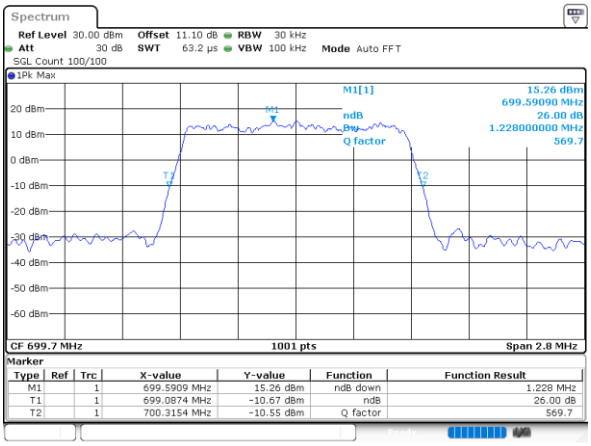
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.23	3.00	2.98	4.89	4.95	9.65	9.77	-	-	-	-
Middle CH	1.22	1.24	2.99	2.99	4.89	4.82	9.73	9.61	-	-	-	-
Highest CH	1.19	1.23	3.03	3.00	4.90	4.86	9.83	9.73	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24	-	3.03	-	4.87	-	9.73	-	-	-	-	-
Middle CH	1.23	-	3.02	-	4.85	-	9.77	-	-	-	-	-
Highest CH	1.22	-	3.06	-	4.85	-	9.63	-	-	-	-	-

LTE Band 12

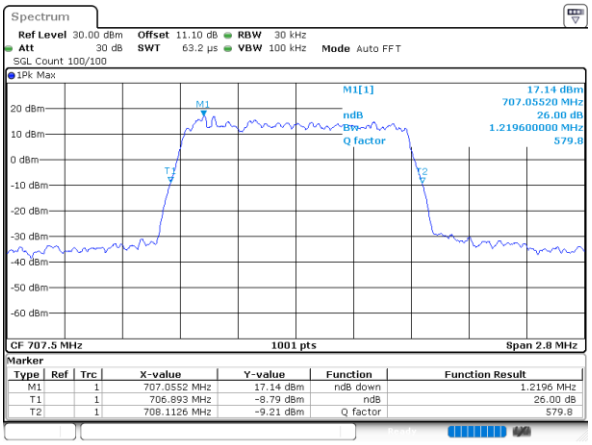
Lowest Channel / 1.4MHz / QPSK



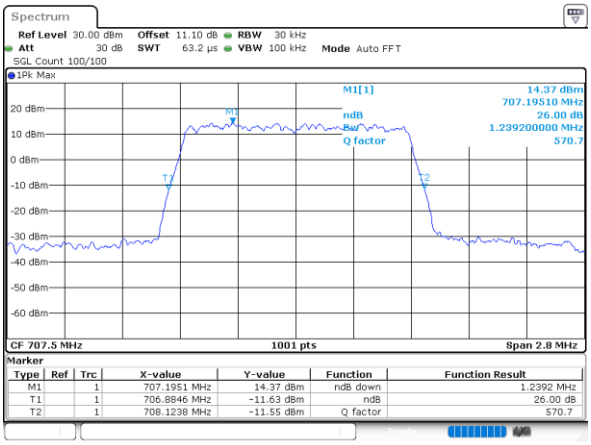
Lowest Channel / 1.4MHz / 16QAM



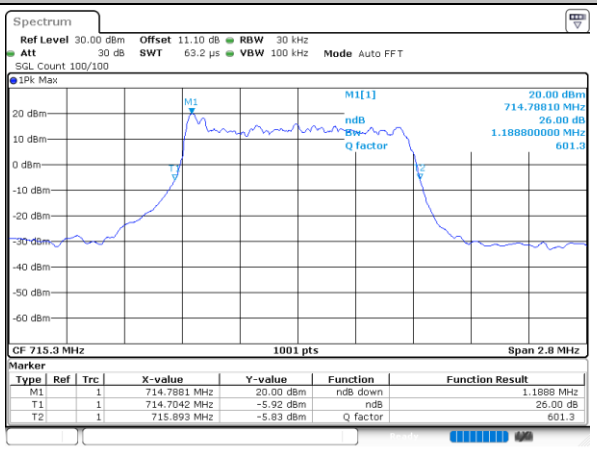
Middle Channel / 1.4MHz / QPSK



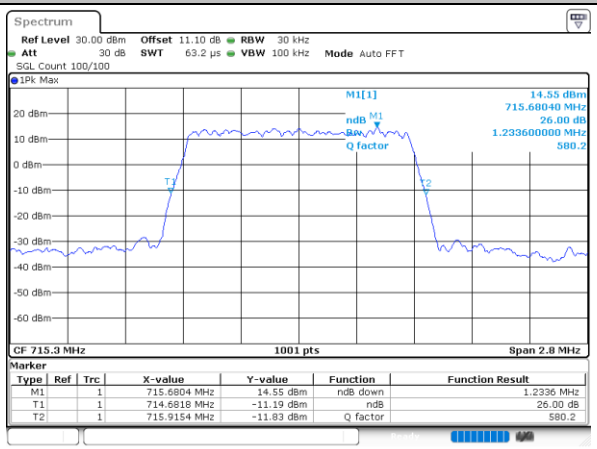
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

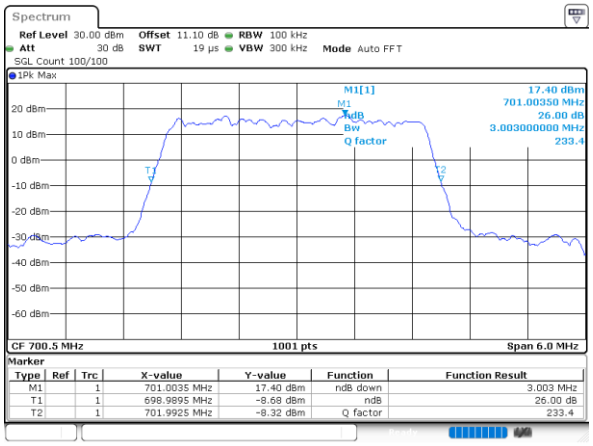


Highest Channel / 1.4MHz / 16QAM

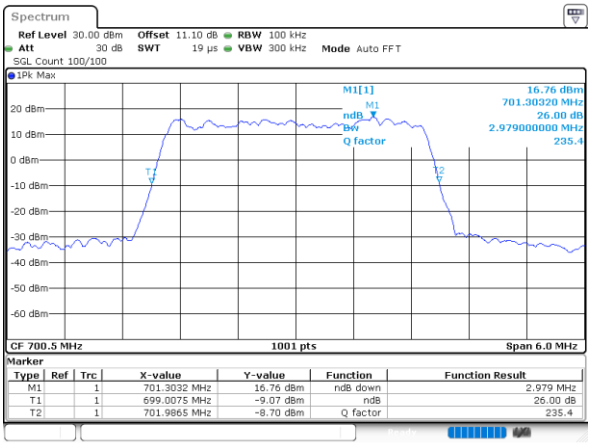


LTE Band 12

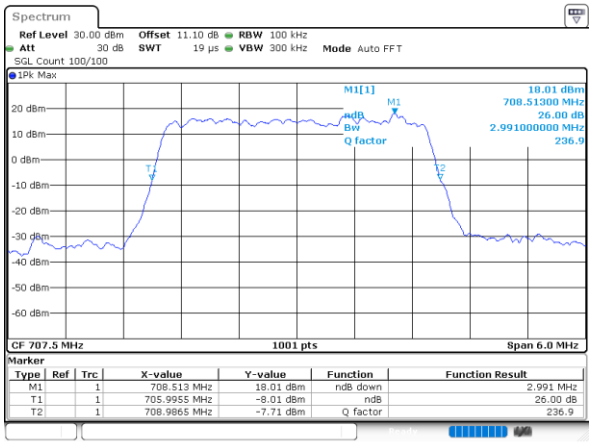
Lowest Channel / 3MHz / QPSK



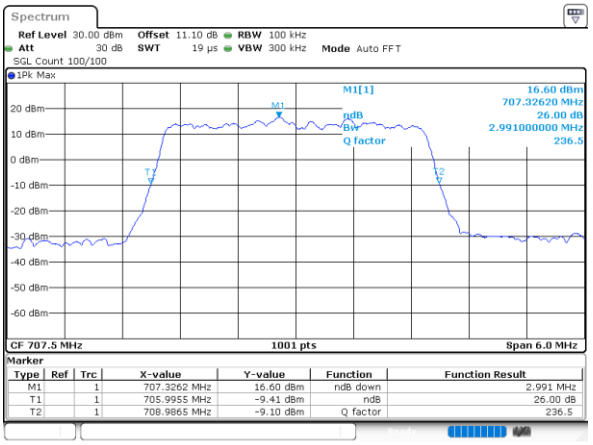
Lowest Channel / 3MHz / 16QAM



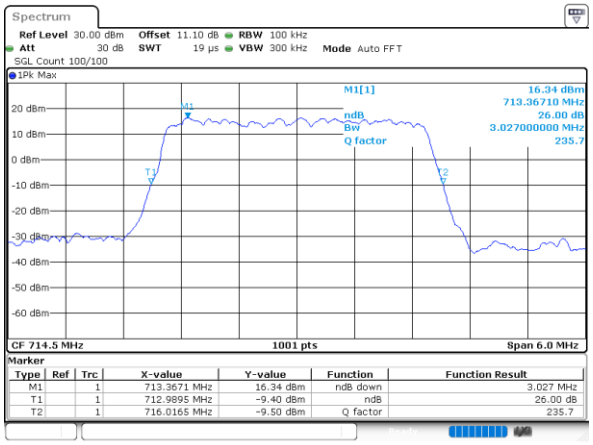
Middle Channel / 3MHz / QPSK



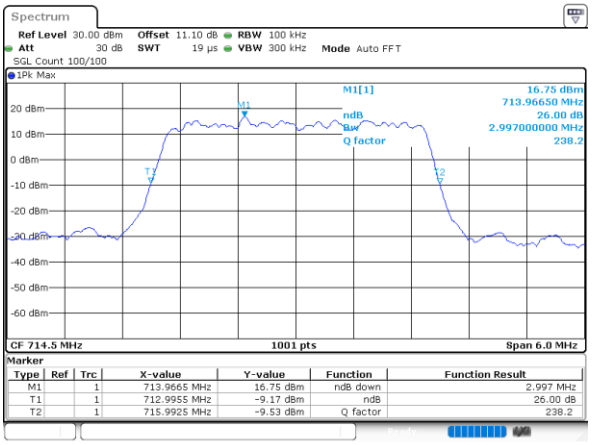
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

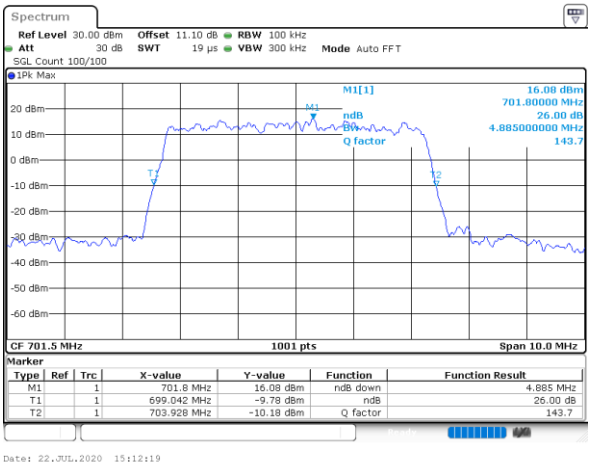


Highest Channel / 3MHz / 16QAM

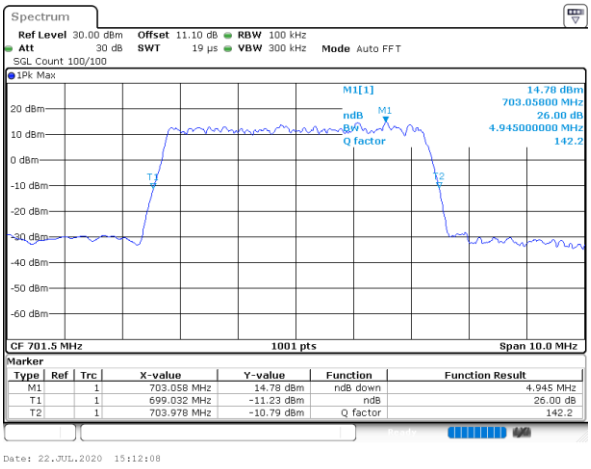


LTE Band 12

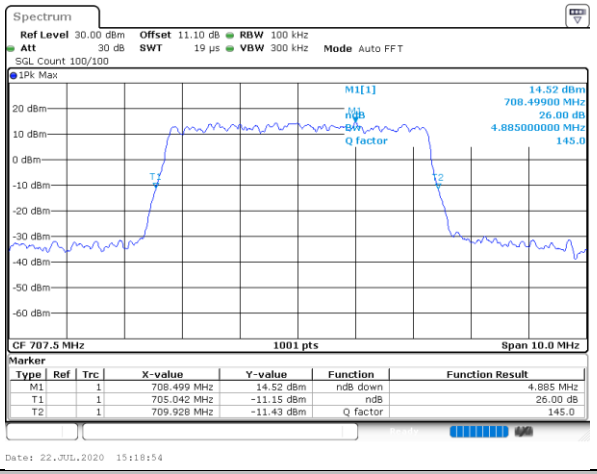
Lowest Channel / 5MHz / QPSK



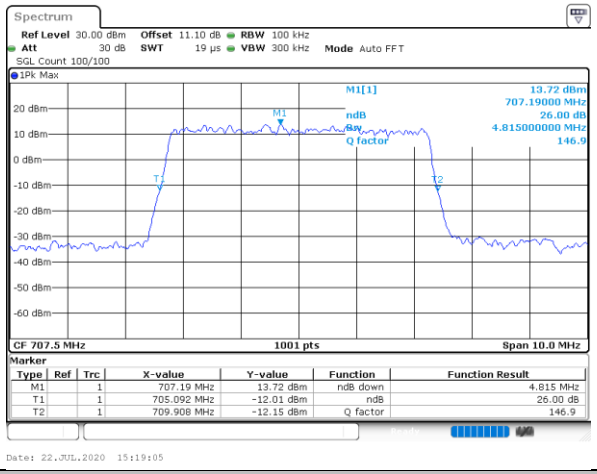
Lowest Channel / 5MHz / 16QAM



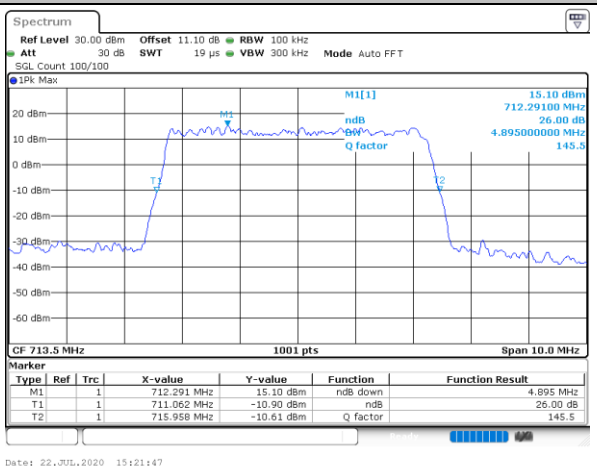
Middle Channel / 5MHz / QPSK



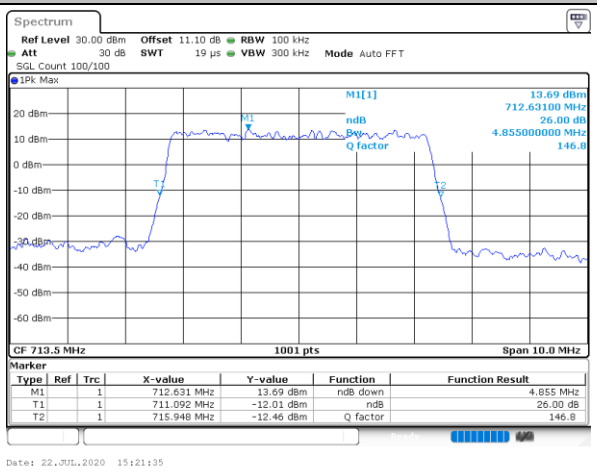
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

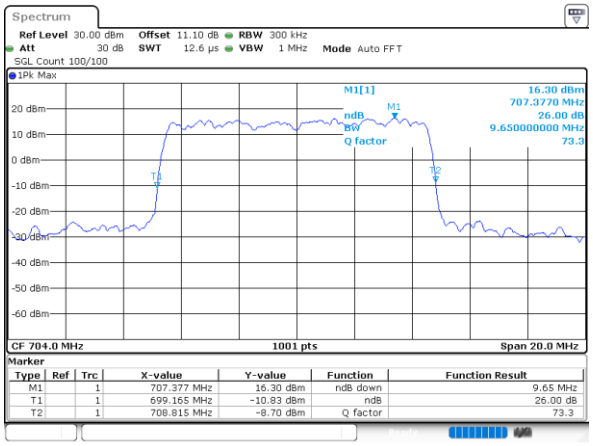


Highest Channel / 5MHz / 16QAM

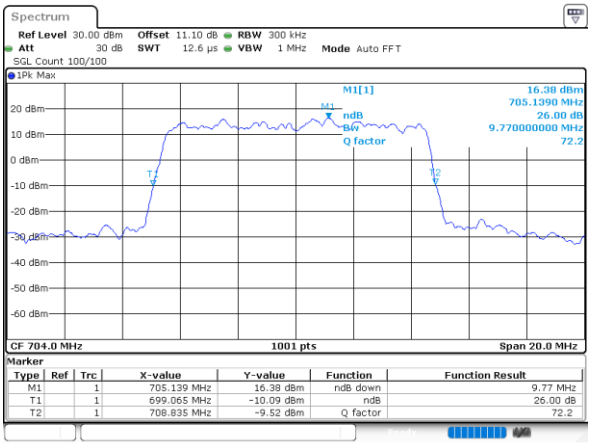


LTE Band 12

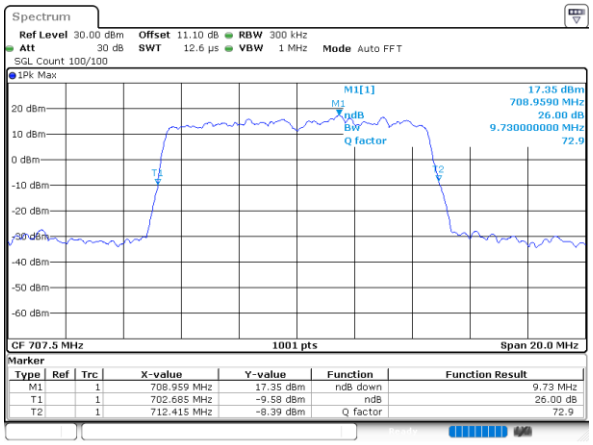
Lowest Channel / 10MHz / QPSK



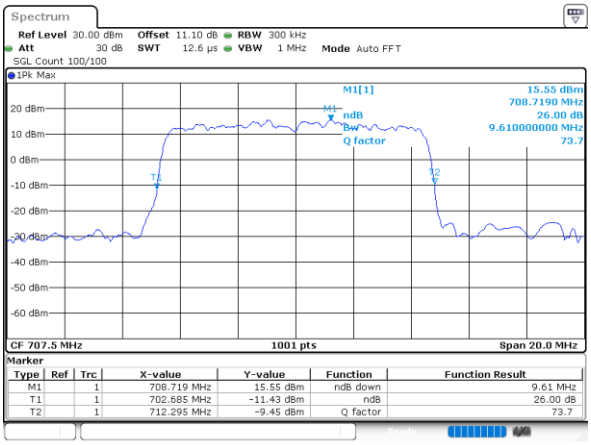
Lowest Channel / 10MHz / 16QAM



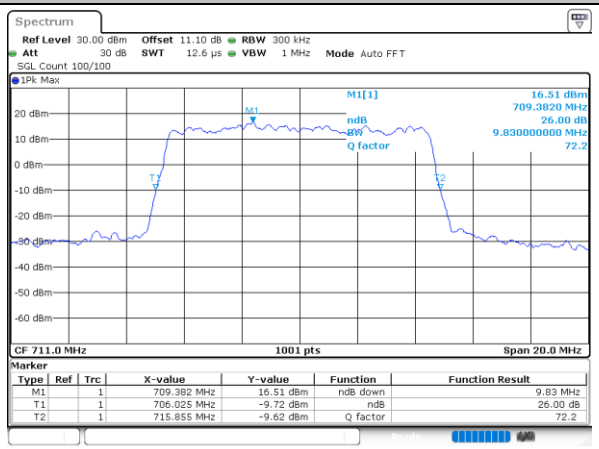
Middle Channel / 10MHz / QPSK



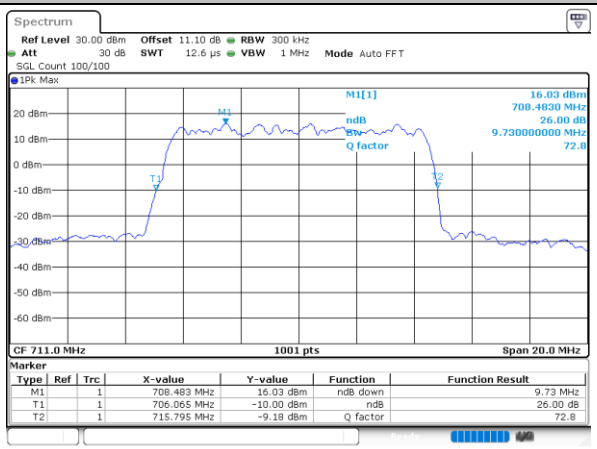
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

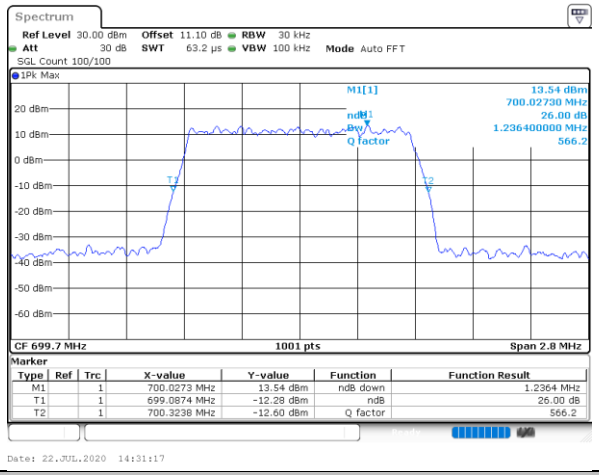


Highest Channel / 10MHz / 16QAM

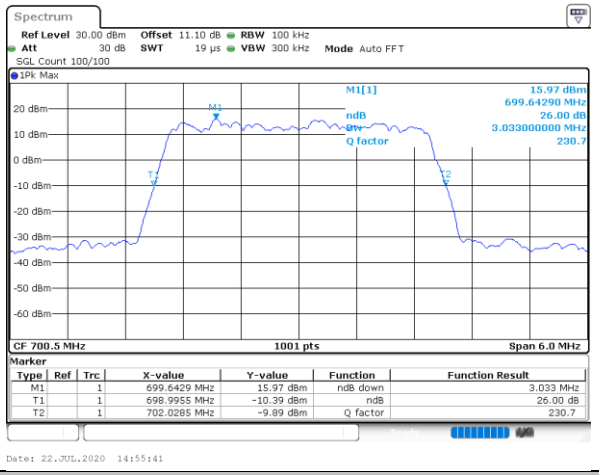


LTE Band 12

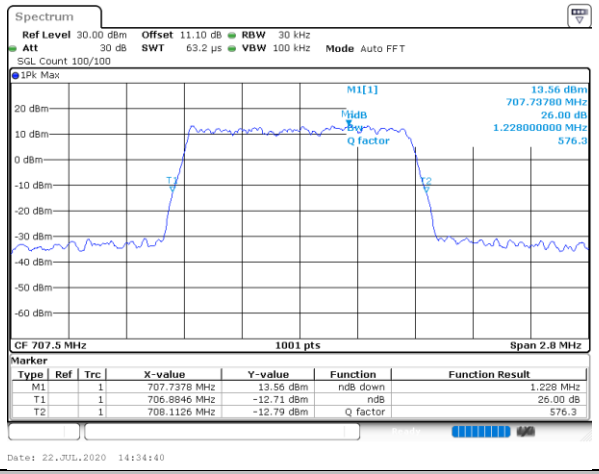
Lowest Channel / 1.4MHz / 64QAM



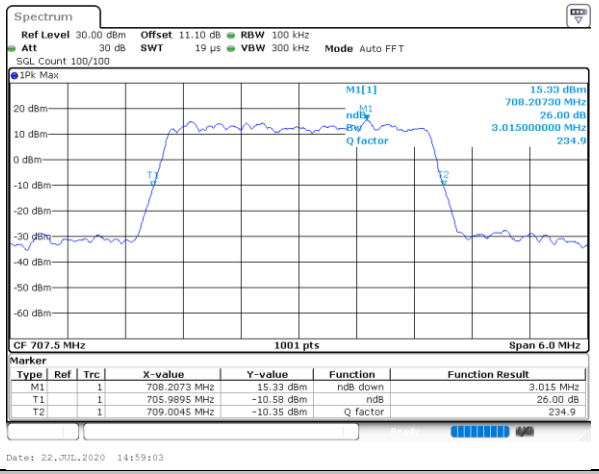
Lowest Channel / 3MHz / 64QAM



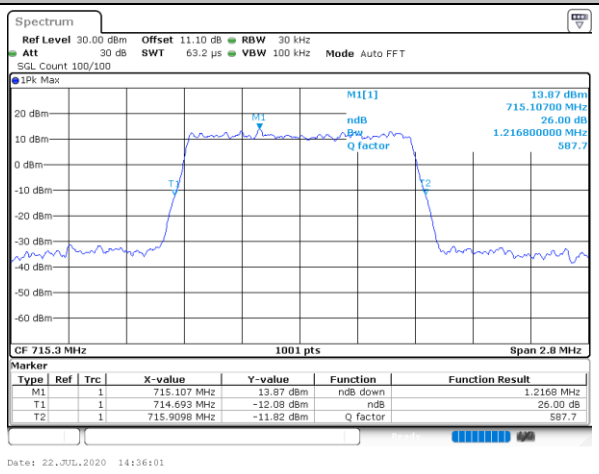
Middle Channel / 1.4MHz / 64QAM



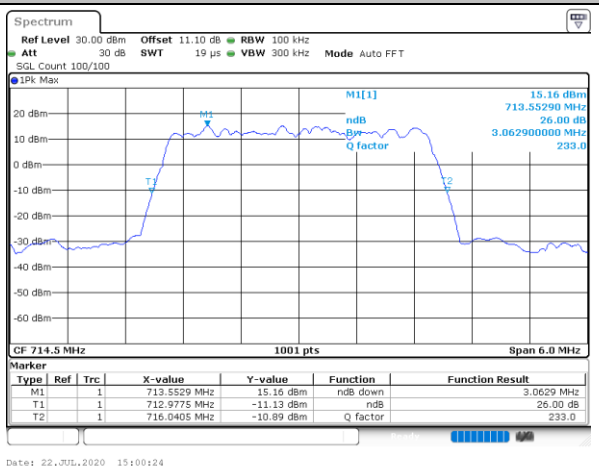
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

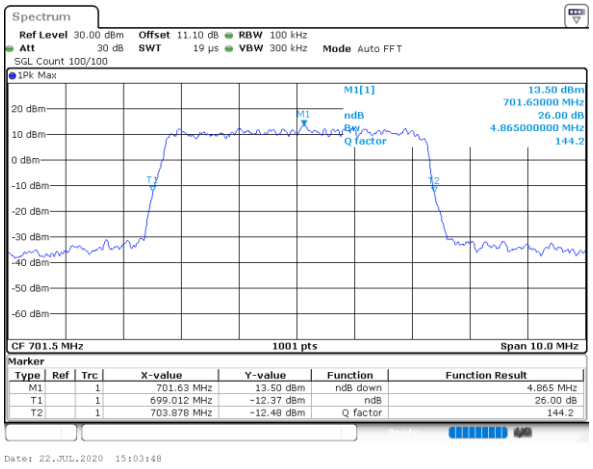


Highest Channel / 3MHz / 64QAM

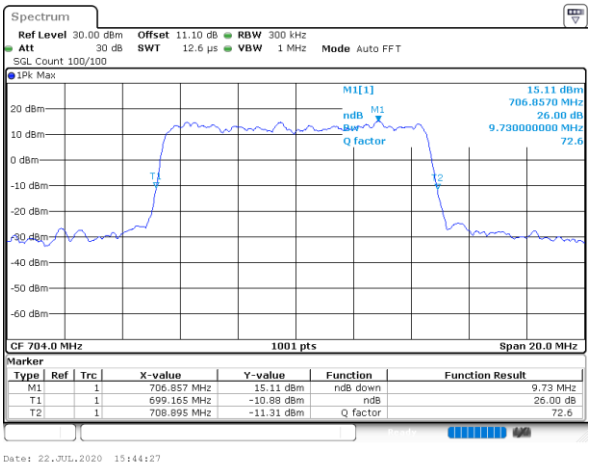


LTE Band 12

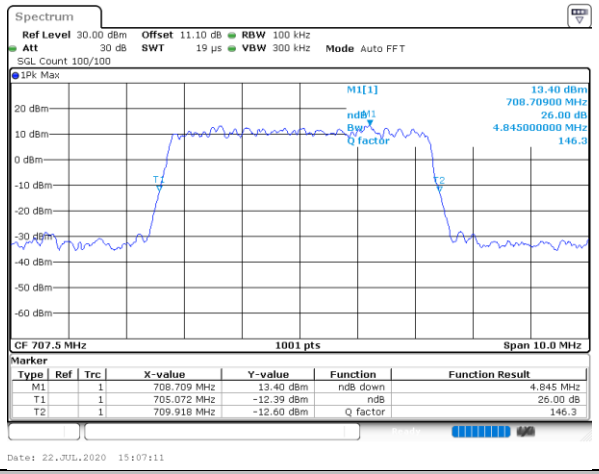
Lowest Channel / 5MHz / 64QAM



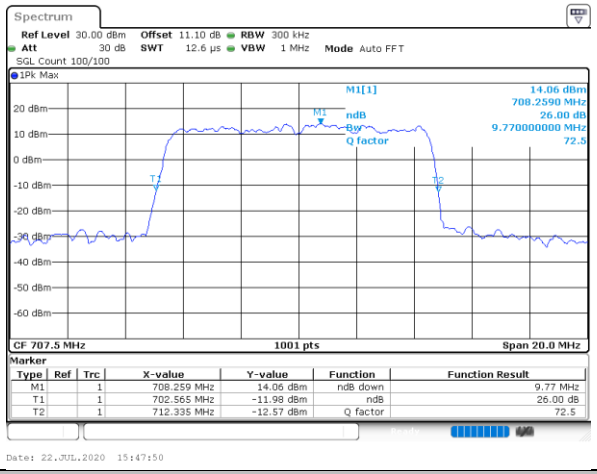
Lowest Channel / 10MHz / 64QAM



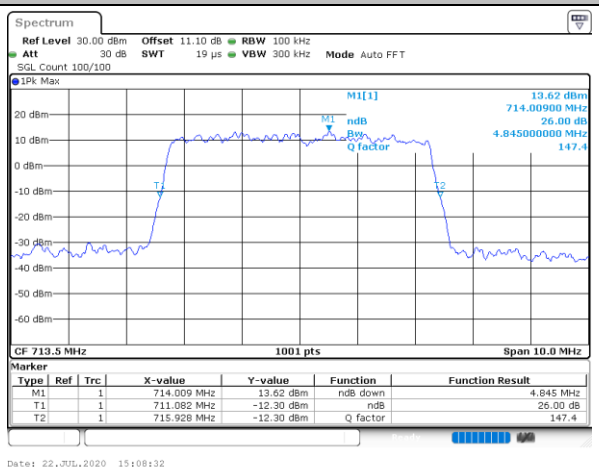
Middle Channel / 5MHz / 64QAM



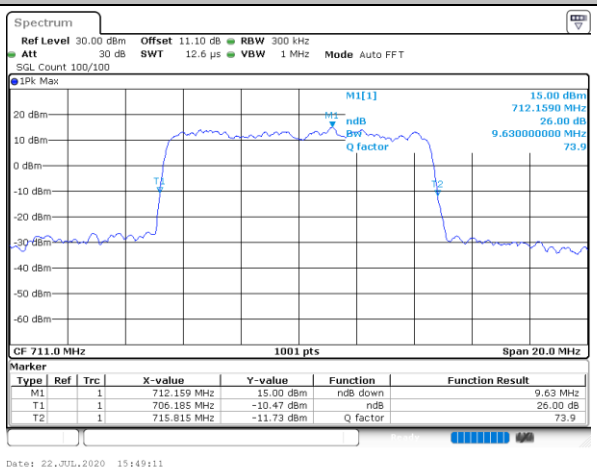
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

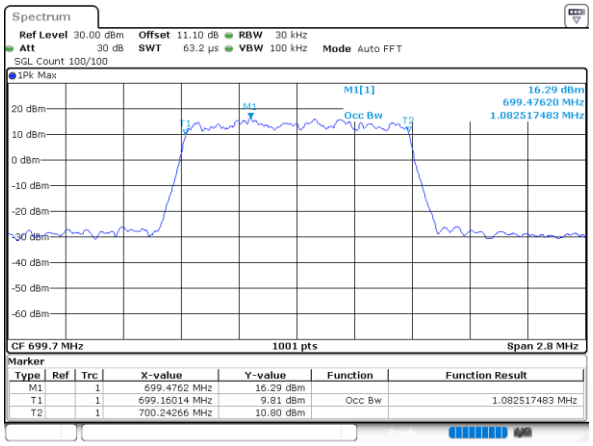


Occupied Bandwidth

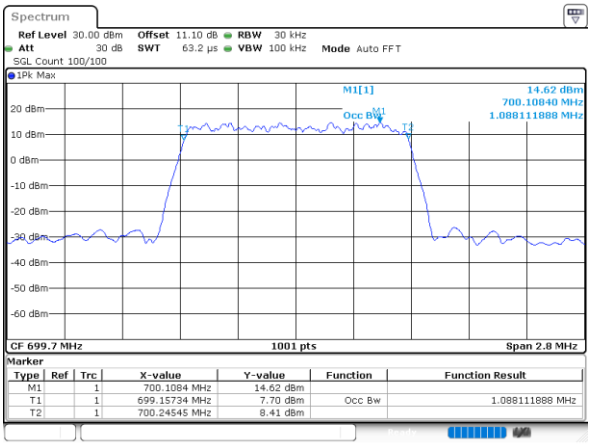
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.08	1.09	2.71	2.70	4.48	4.51	9.01	9.03	-	-	-	-
Middle CH	1.09	1.09	2.70	2.72	4.47	4.49	8.99	8.97	-	-	-	-
Highest CH	1.09	1.09	2.71	2.73	4.49	4.48	9.03	8.99	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.48	-	9.03	-	-	-	-	-
Middle CH	1.09	-	2.73	-	4.49	-	9.01	-	-	-	-	-
Highest CH	1.10	-	2.72	-	4.51	-	8.99	-	-	-	-	-

LTE Band 12

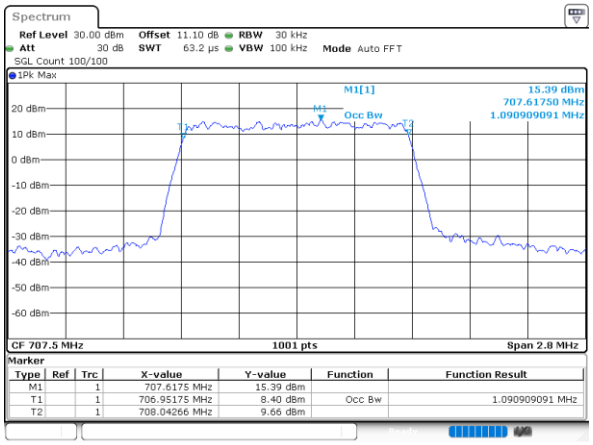
Lowest Channel / 1.4MHz / QPSK



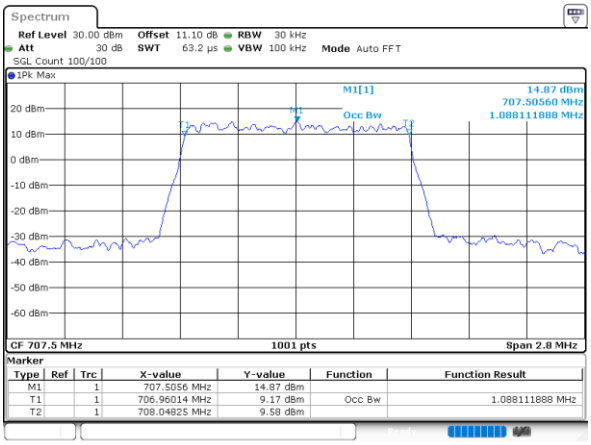
Lowest Channel / 1.4MHz / 16QAM



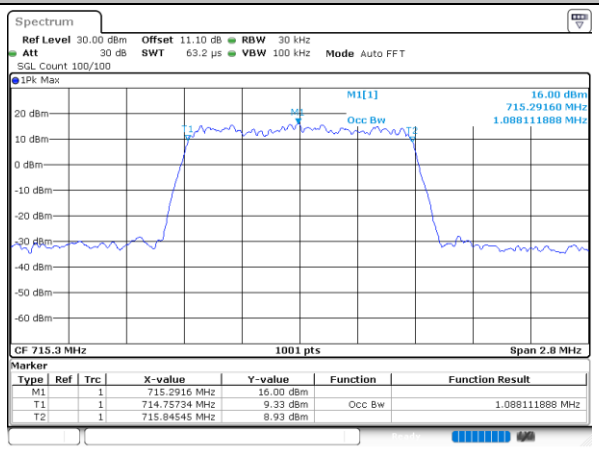
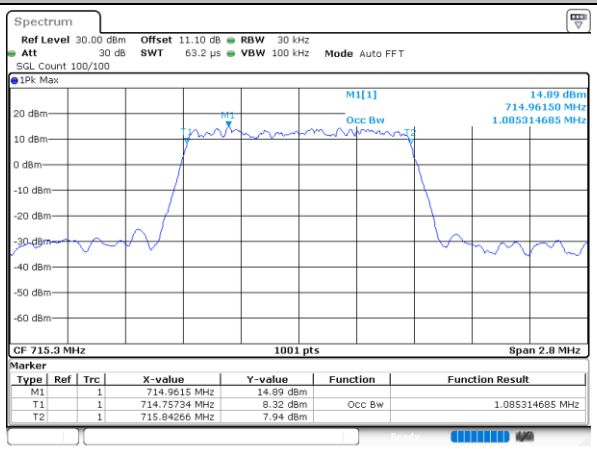
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM