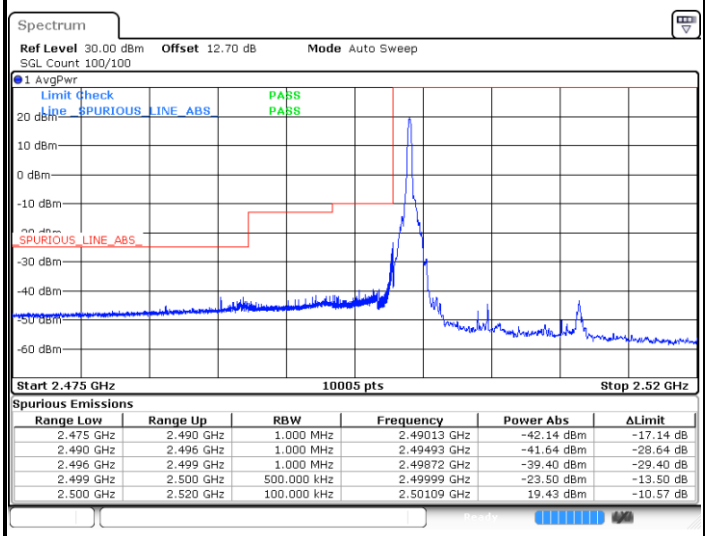
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge /1 RB

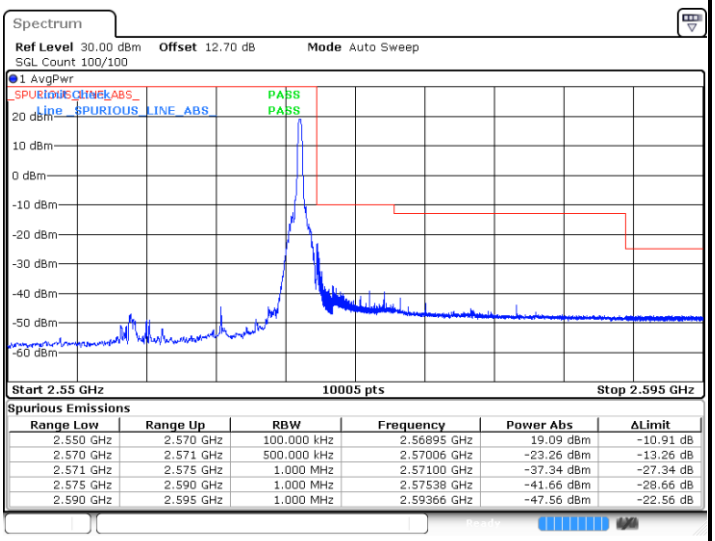


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49013 GHz	-42.14 dBm	-17.14 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49493 GHz	-41.64 dBm	-28.64 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49872 GHz	-39.40 dBm	-29.40 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-23.50 dBm	-13.50 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50109 GHz	19.43 dBm	-10.57 dB

Date: 15.MAY.2020 10:54:14

Highest Band Edge / 1RB

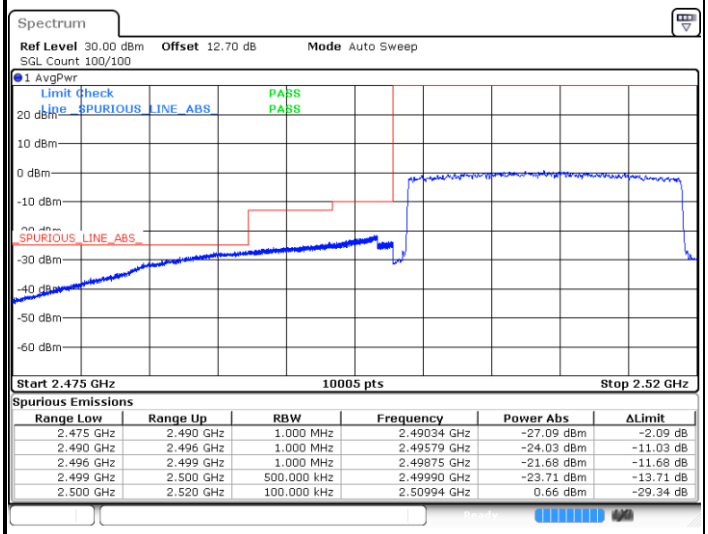


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56895 GHz	19.09 dBm	-10.91 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57006 GHz	-23.26 dBm	-13.26 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-37.34 dBm	-27.34 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57538 GHz	-41.66 dBm	-28.66 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59366 GHz	-47.56 dBm	-22.56 dB

Date: 15.MAY.2020 11:01:57

Lowest Band Edge / Full RB

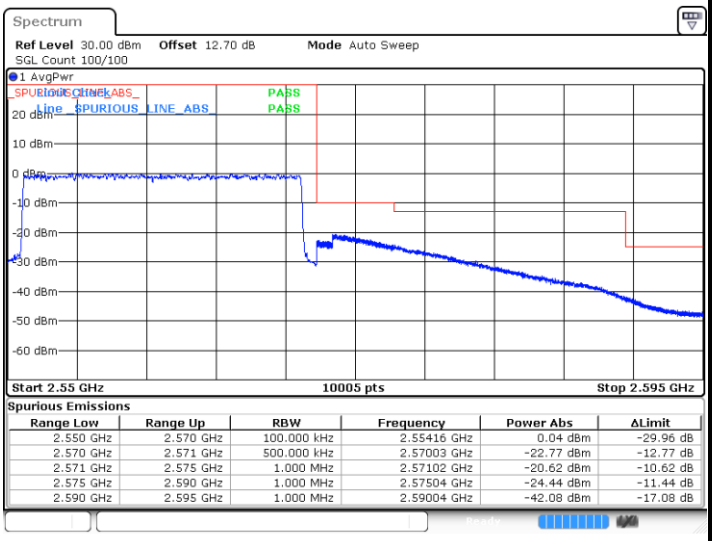


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49034 GHz	-27.09 dBm	-2.09 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49579 GHz	-24.03 dBm	-11.03 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49875 GHz	-21.68 dBm	-11.68 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49990 GHz	-23.71 dBm	-13.71 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50994 GHz	0.66 dBm	-29.34 dB

Date: 15.MAY.2020 10:55:37

Highest Band Edge / Full RB



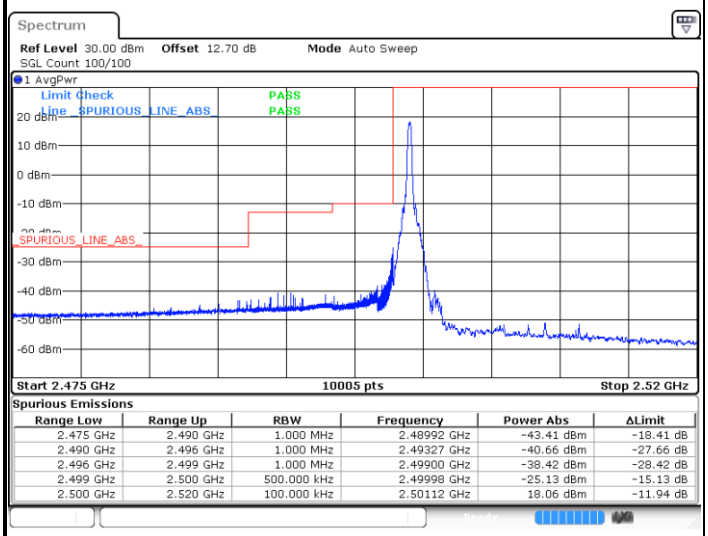
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55416 GHz	0.04 dBm	-29.96 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-22.77 dBm	-12.77 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-20.62 dBm	-10.62 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57504 GHz	-24.44 dBm	-11.44 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59004 GHz	-42.08 dBm	-17.08 dB

Date: 15.MAY.2020 11:02:38

LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

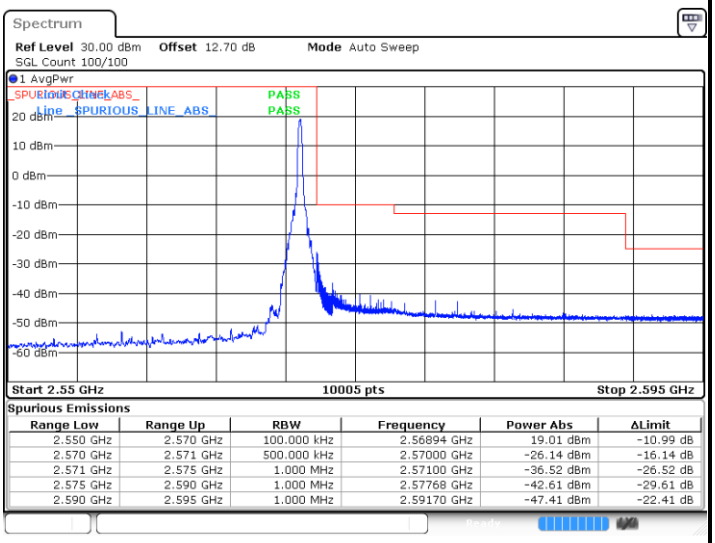


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48992 GHz	-43.41 dBm	-18.41 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49327 GHz	-40.66 dBm	-27.66 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-38.42 dBm	-28.42 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-25.13 dBm	-15.13 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50112 GHz	18.06 dBm	-11.94 dB

Date: 15.MAY.2020 11:06:07

Highest Band Edge / 1 RB

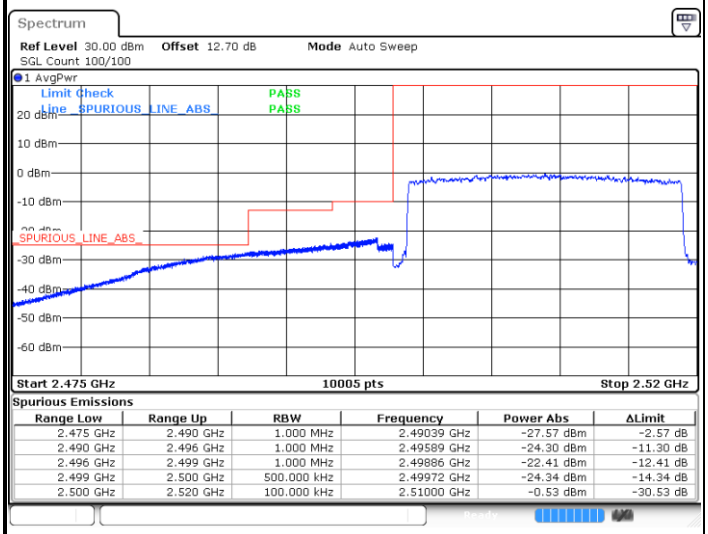


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56894 GHz	19.01 dBm	-10.99 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-26.14 dBm	-16.14 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-36.52 dBm	-26.52 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57768 GHz	-42.61 dBm	-29.61 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59170 GHz	-47.41 dBm	-22.41 dB

Date: 15.MAY.2020 11:09:58

Lowest Band Edge / Full RB

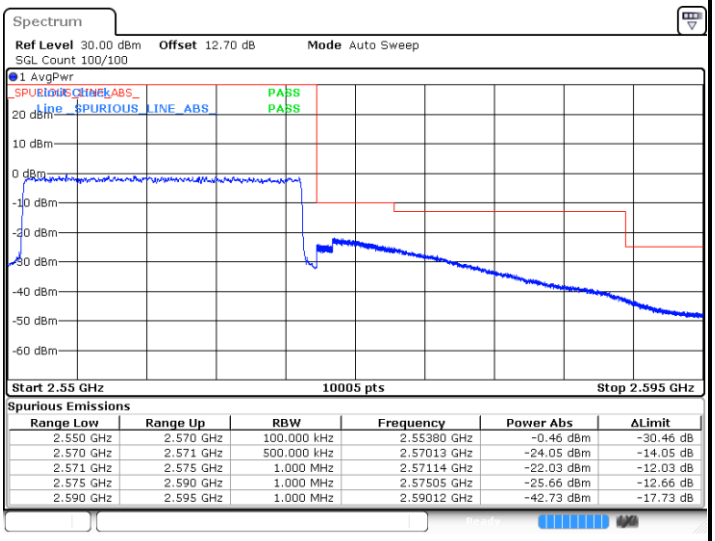


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49039 GHz	-27.57 dBm	-2.57 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49589 GHz	-24.30 dBm	-11.30 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49886 GHz	-22.41 dBm	-12.41 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49972 GHz	-24.34 dBm	-14.34 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51000 GHz	-0.53 dBm	-30.53 dB

Date: 15.MAY.2020 11:06:49

Highest Band Edge / Full RB



Spurious Emissions

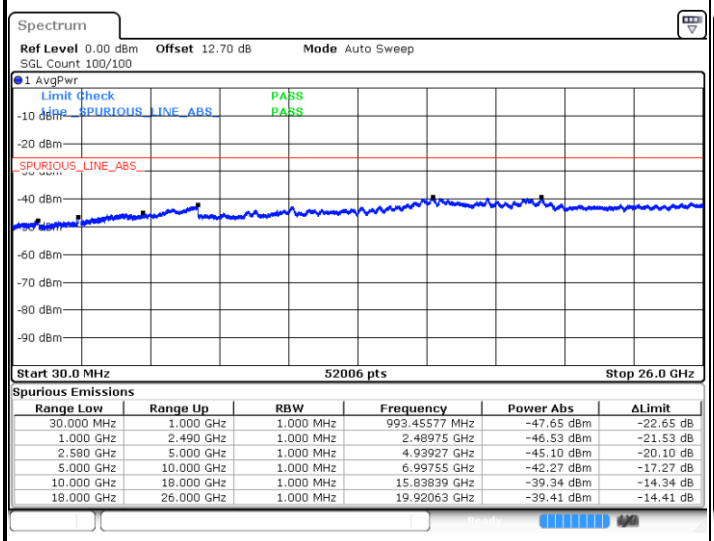
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55380 GHz	-0.46 dBm	-30.46 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57013 GHz	-24.05 dBm	-14.05 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57114 GHz	-22.03 dBm	-12.03 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57505 GHz	-25.66 dBm	-12.66 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59012 GHz	-42.73 dBm	-17.73 dB

Date: 15.MAY.2020 11:10:40

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

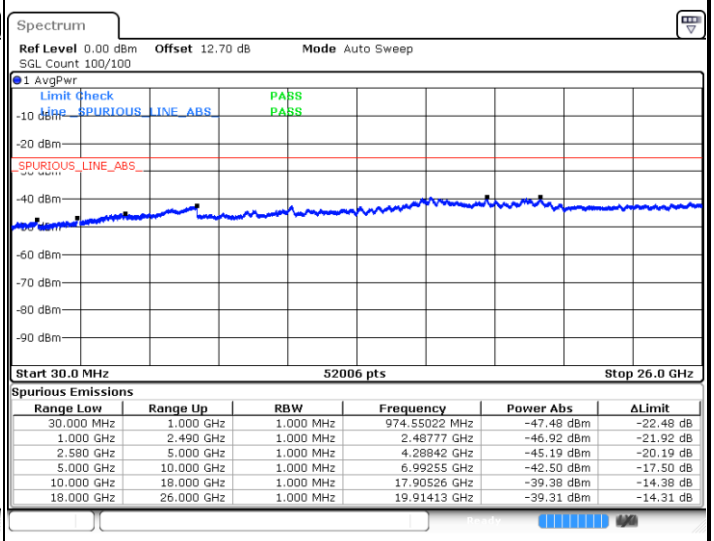


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-47.65 dBm	-22.65 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-46.53 dBm	-21.53 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93927 GHz	-45.10 dBm	-20.10 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99755 GHz	-42.27 dBm	-17.27 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.83839 GHz	-39.34 dBm	-14.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.92063 GHz	-39.41 dBm	-14.41 dB

Date: 15.MAY.2020 11:28:33

Lowest Channel / 16QAM

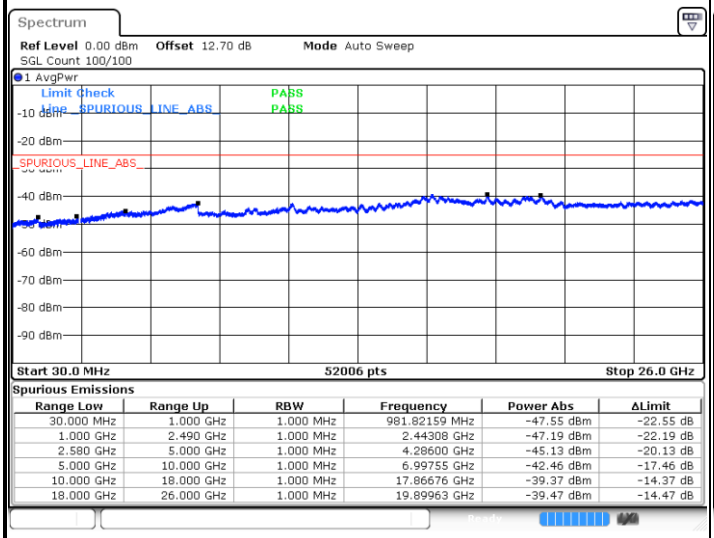


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-47.48 dBm	-22.48 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-46.92 dBm	-21.92 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.28842 GHz	-45.19 dBm	-20.19 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99255 GHz	-42.50 dBm	-17.50 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90526 GHz	-39.38 dBm	-14.38 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91413 GHz	-39.31 dBm	-14.31 dB

Date: 15.MAY.2020 11:29:24

Middle Channel / QPSK

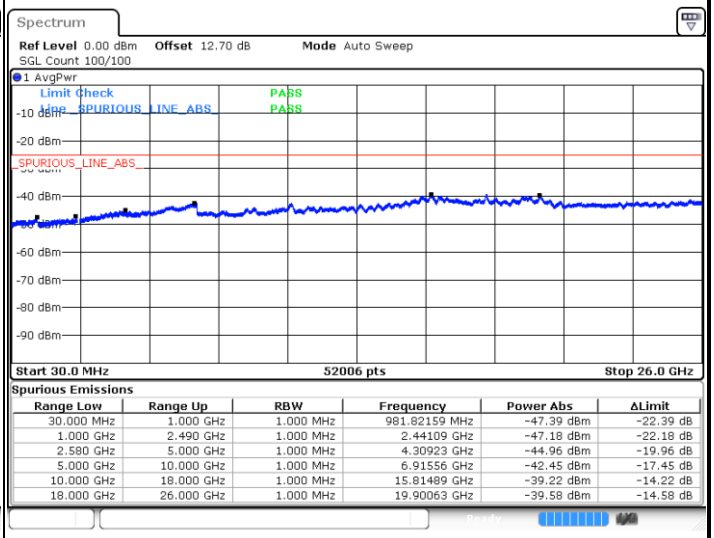


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-47.55 dBm	-22.55 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44308 GHz	-47.19 dBm	-22.19 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.28600 GHz	-45.13 dBm	-20.13 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99755 GHz	-42.46 dBm	-17.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86676 GHz	-39.37 dBm	-14.37 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.89963 GHz	-39.47 dBm	-14.47 dB

Date: 15.MAY.2020 11:30:14

Middle Channel / 16QAM



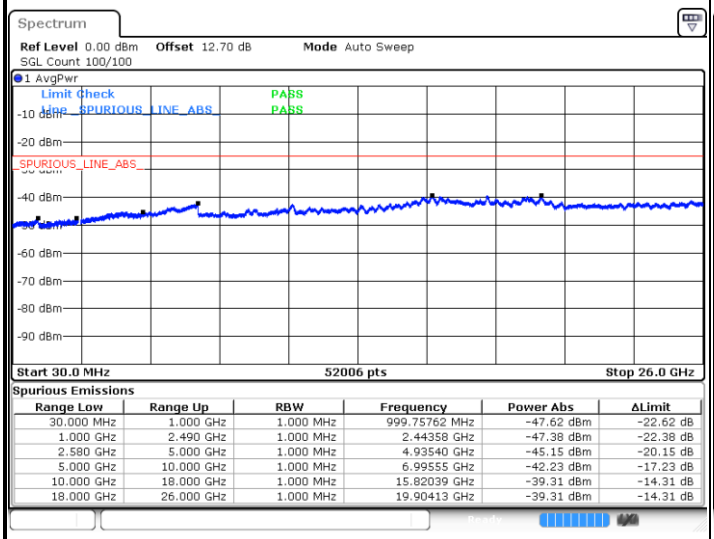
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-47.39 dBm	-22.39 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44109 GHz	-47.18 dBm	-22.18 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30923 GHz	-44.96 dBm	-19.96 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91556 GHz	-42.45 dBm	-17.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.81489 GHz	-39.22 dBm	-14.22 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90063 GHz	-39.58 dBm	-14.58 dB

Date: 15.MAY.2020 11:31:05

LTE Band 7 / 5MHz

Highest Channel / QPSK

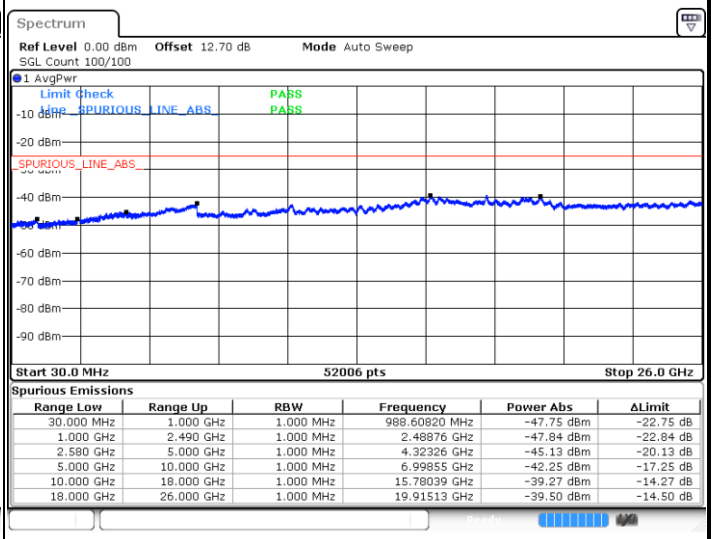


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-47.62 dBm	-22.62 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44358 GHz	-47.38 dBm	-22.38 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93540 GHz	-45.15 dBm	-20.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99555 GHz	-42.23 dBm	-17.23 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.82039 GHz	-39.31 dBm	-14.31 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90413 GHz	-39.31 dBm	-14.31 dB

Date: 15.MAY.2020 11:31:57

Highest Channel / 16QAM



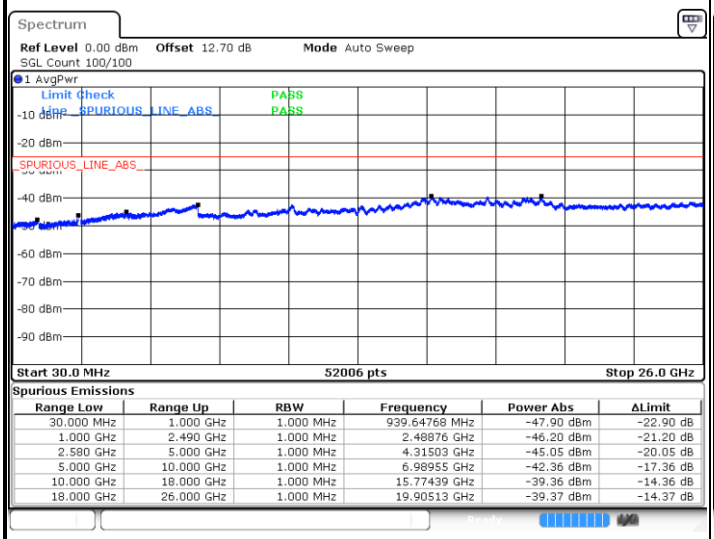
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-47.75 dBm	-22.75 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48876 GHz	-47.84 dBm	-22.84 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.32326 GHz	-45.13 dBm	-20.13 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99855 GHz	-42.25 dBm	-17.25 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.78039 GHz	-39.27 dBm	-14.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91513 GHz	-39.50 dBm	-14.50 dB

Date: 15.MAY.2020 11:32:47

LTE Band 7 / 10MHz

Lowest Channel / QPSK

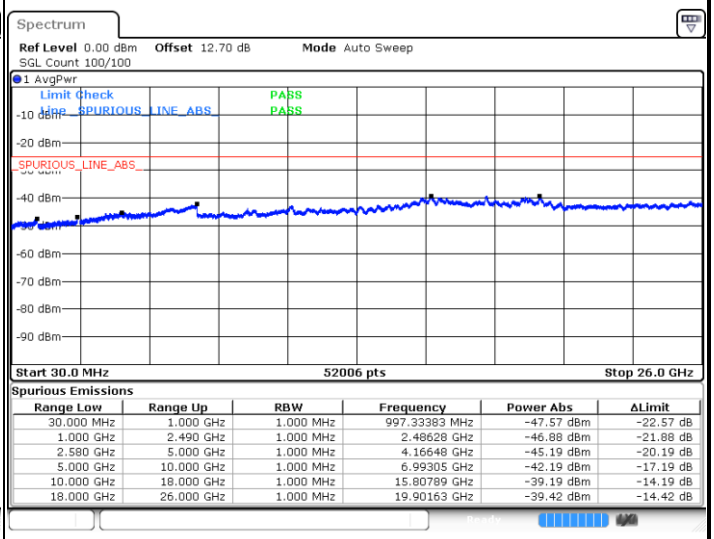


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.64768 MHz	-47.90 dBm	-22.90 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48876 GHz	-46.20 dBm	-21.20 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31503 GHz	-45.05 dBm	-20.05 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98955 GHz	-42.36 dBm	-17.36 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77439 GHz	-39.36 dBm	-14.36 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90513 GHz	-39.37 dBm	-14.37 dB

Date: 15.MAY.2020 11:36:10

Lowest Channel / 16QAM



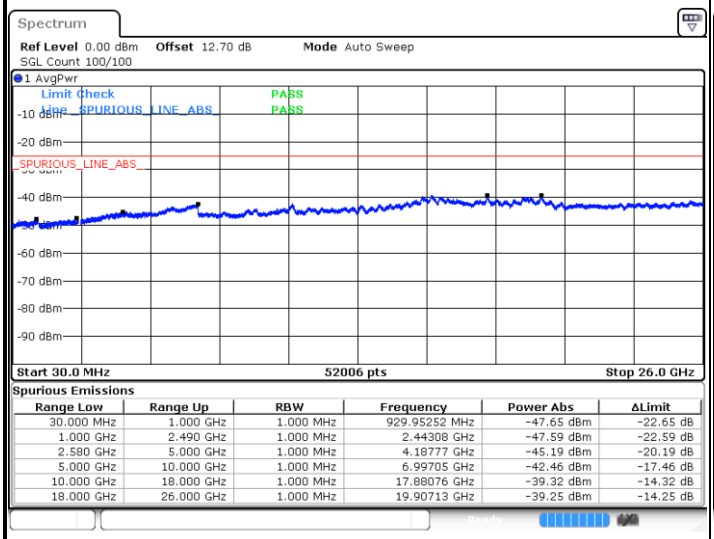
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-47.57 dBm	-22.57 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48628 GHz	-46.88 dBm	-21.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.16648 GHz	-45.19 dBm	-20.19 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99305 GHz	-42.19 dBm	-17.19 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.80789 GHz	-39.19 dBm	-14.19 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90163 GHz	-39.42 dBm	-14.42 dB

Date: 15.MAY.2020 11:37:00

LTE Band 7 / 10MHz

Middle Channel / QPSK

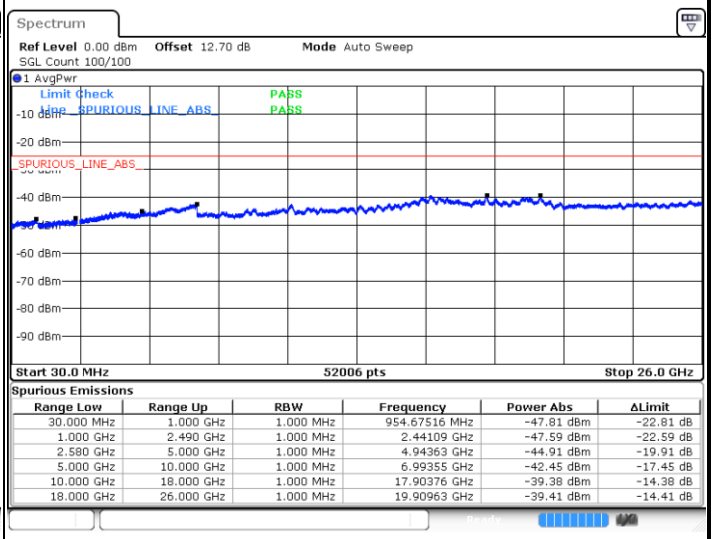


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-47.65 dBm	-22.65 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44308 GHz	-47.59 dBm	-22.59 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18777 GHz	-45.19 dBm	-20.19 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99705 GHz	-42.46 dBm	-17.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.88076 GHz	-39.32 dBm	-14.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90713 GHz	-39.25 dBm	-14.25 dB

Date: 15.MAY.2020 11:37:51

Middle Channel / 16QAM

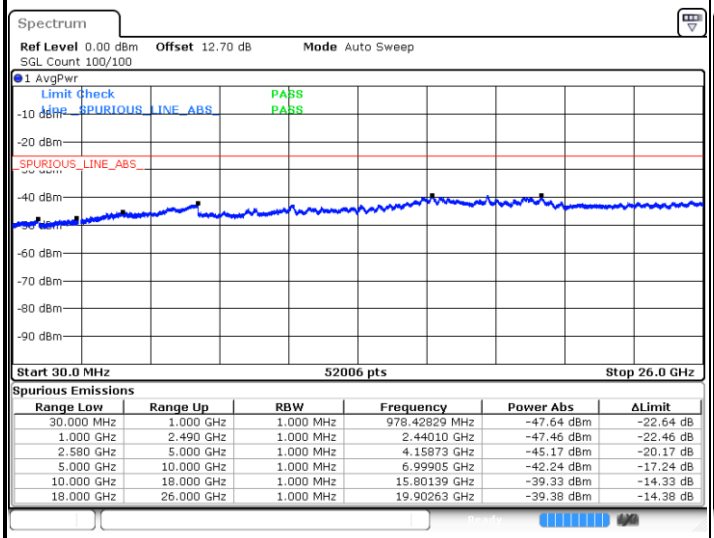


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-47.81 dBm	-22.81 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44109 GHz	-47.59 dBm	-22.59 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94363 GHz	-44.91 dBm	-19.91 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99355 GHz	-42.45 dBm	-17.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90376 GHz	-39.38 dBm	-14.38 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90963 GHz	-39.41 dBm	-14.41 dB

Date: 15.MAY.2020 11:38:41

Highest Channel / QPSK

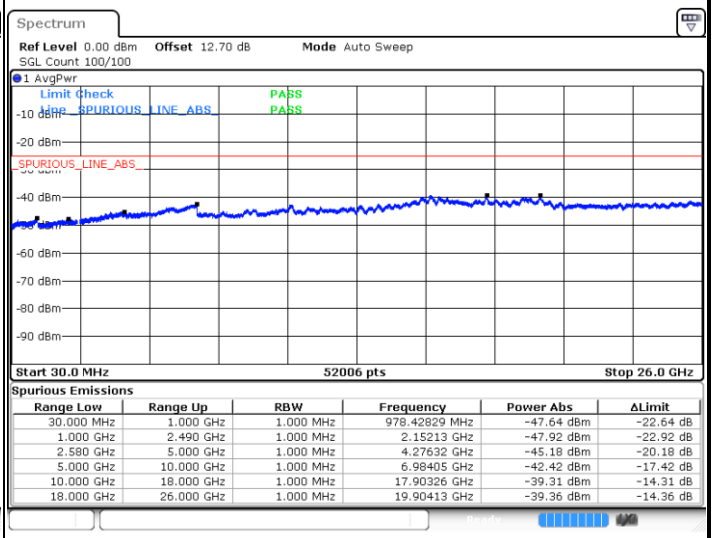


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-47.64 dBm	-22.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44010 GHz	-47.46 dBm	-22.46 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.15873 GHz	-45.17 dBm	-20.17 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99905 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.80139 GHz	-39.33 dBm	-14.33 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90263 GHz	-39.38 dBm	-14.38 dB

Date: 15.MAY.2020 11:39:31

Highest Channel / 16QAM



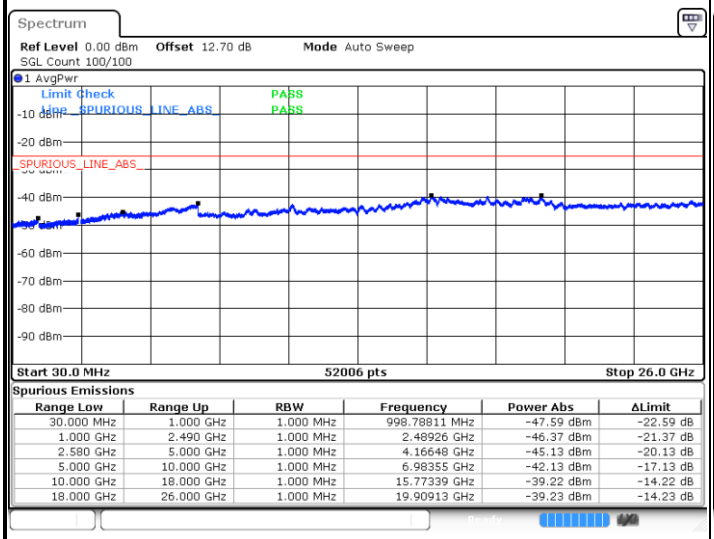
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-47.64 dBm	-22.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15213 GHz	-47.92 dBm	-22.92 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.27632 GHz	-45.18 dBm	-20.18 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98405 GHz	-42.42 dBm	-17.42 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90326 GHz	-39.31 dBm	-14.31 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90413 GHz	-39.36 dBm	-14.36 dB

Date: 15.MAY.2020 11:40:21

LTE Band 7 / 15MHz

Lowest Channel / QPSK

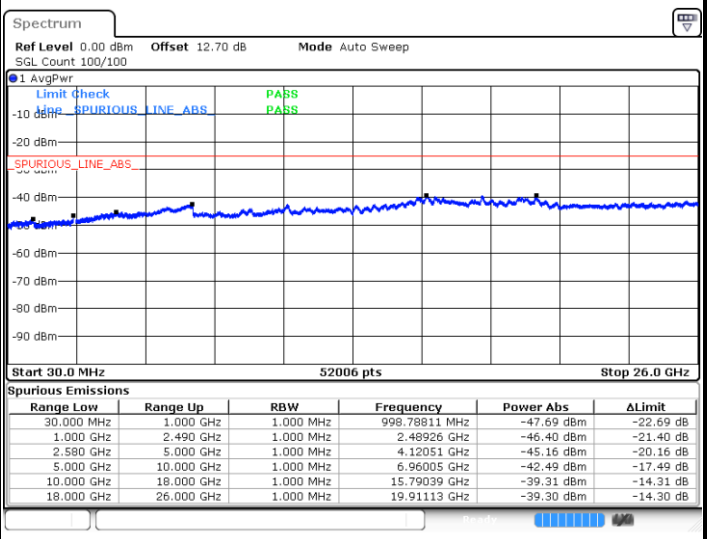


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.59 dBm	-22.59 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-46.37 dBm	-21.37 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.16648 GHz	-45.13 dBm	-20.13 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98355 GHz	-42.13 dBm	-17.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77339 GHz	-39.22 dBm	-14.22 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90913 GHz	-39.23 dBm	-14.23 dB

Date: 15.MAY.2020 11:46:17

Lowest Channel / 16QAM

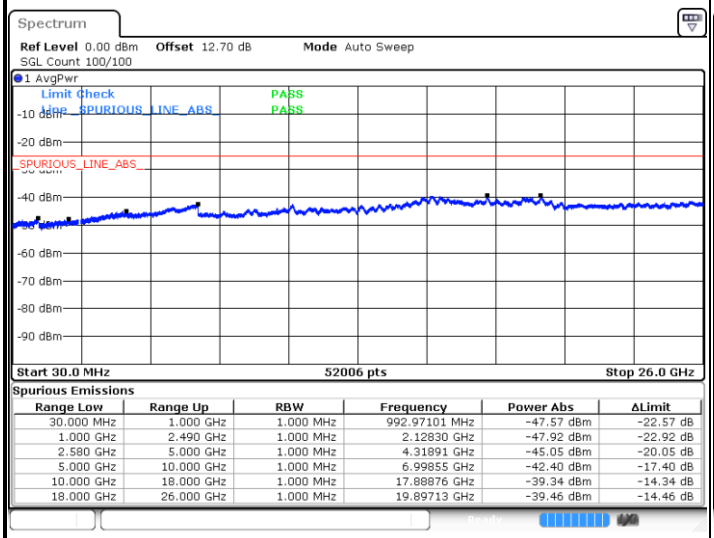


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.69 dBm	-22.69 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-46.40 dBm	-21.40 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.12051 GHz	-45.16 dBm	-20.16 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96005 GHz	-42.49 dBm	-17.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.79039 GHz	-39.31 dBm	-14.31 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91113 GHz	-39.30 dBm	-14.30 dB

Date: 15.MAY.2020 11:47:07

Middle Channel / QPSK

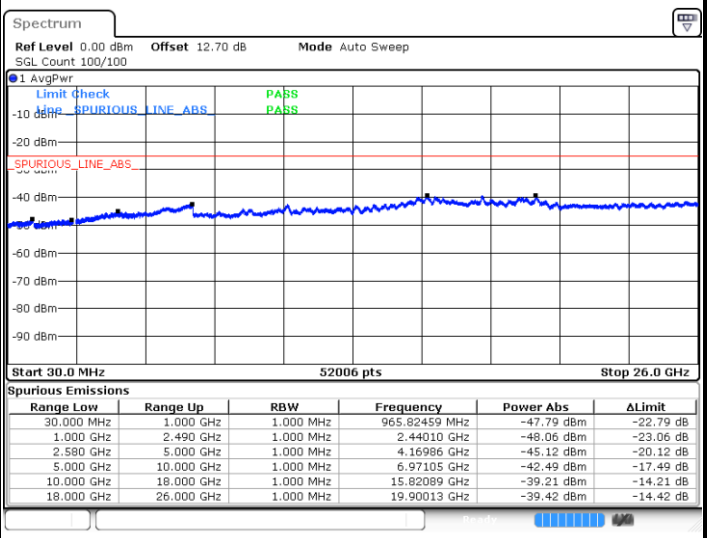


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-47.57 dBm	-22.57 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.12830 GHz	-47.92 dBm	-22.92 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31891 GHz	-45.05 dBm	-20.05 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99855 GHz	-42.40 dBm	-17.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.88876 GHz	-39.34 dBm	-14.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.89713 GHz	-39.46 dBm	-14.46 dB

Date: 15.MAY.2020 11:47:57

Middle Channel / 16QAM



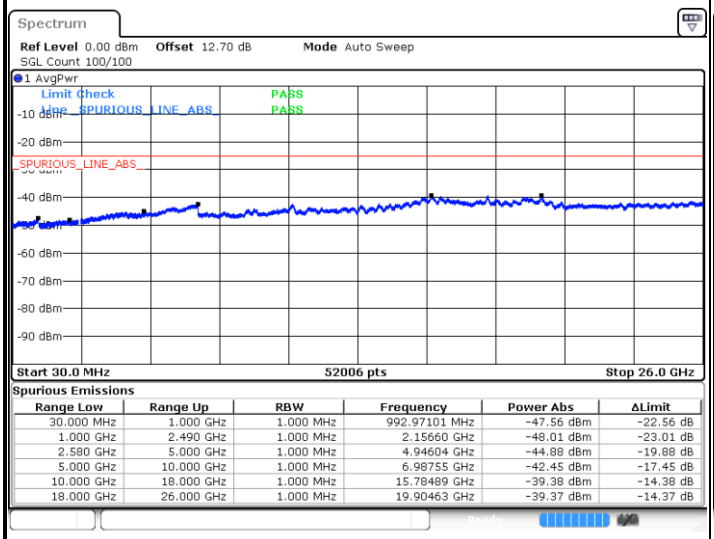
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.82459 MHz	-47.79 dBm	-22.79 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44010 GHz	-48.06 dBm	-23.06 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.16986 GHz	-45.12 dBm	-20.12 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97105 GHz	-42.49 dBm	-17.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.82089 GHz	-39.21 dBm	-14.21 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90013 GHz	-39.42 dBm	-14.42 dB

Date: 15.MAY.2020 11:48:47

LTE Band7 / 15MHz

Highest Channel / QPSK

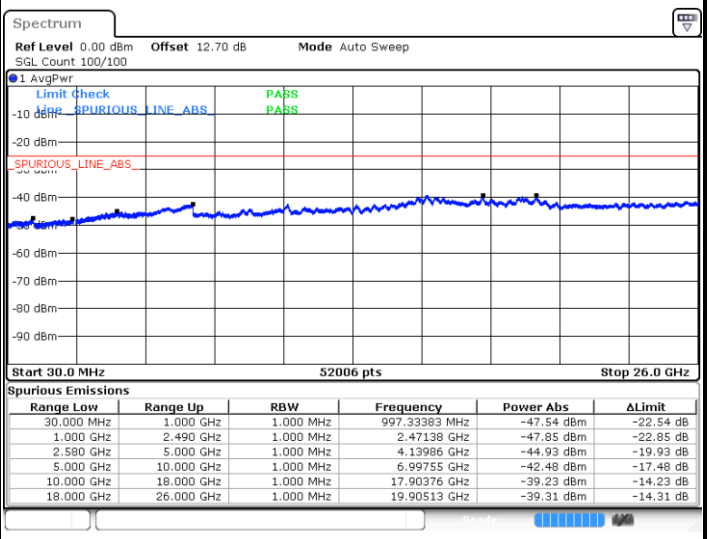


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-47.56 dBm	-22.56 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15660 GHz	-48.01 dBm	-23.01 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94604 GHz	-44.88 dBm	-19.88 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98755 GHz	-42.45 dBm	-17.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.78489 GHz	-39.38 dBm	-14.38 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90463 GHz	-39.37 dBm	-14.37 dB

Date: 15.MAY.2020 11:49:37

Highest Channel / 16QAM



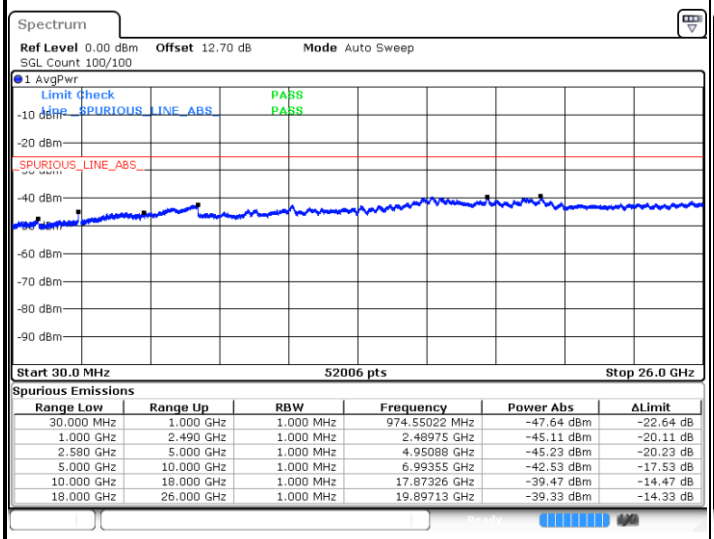
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-47.54 dBm	-22.54 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47138 GHz	-47.85 dBm	-22.85 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.13986 GHz	-44.93 dBm	-19.93 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99755 GHz	-42.48 dBm	-17.48 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90376 GHz	-39.23 dBm	-14.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90513 GHz	-39.31 dBm	-14.31 dB

Date: 15.MAY.2020 11:50:27

LTE Band 7 / 20MHz

Lowest Channel / QPSK

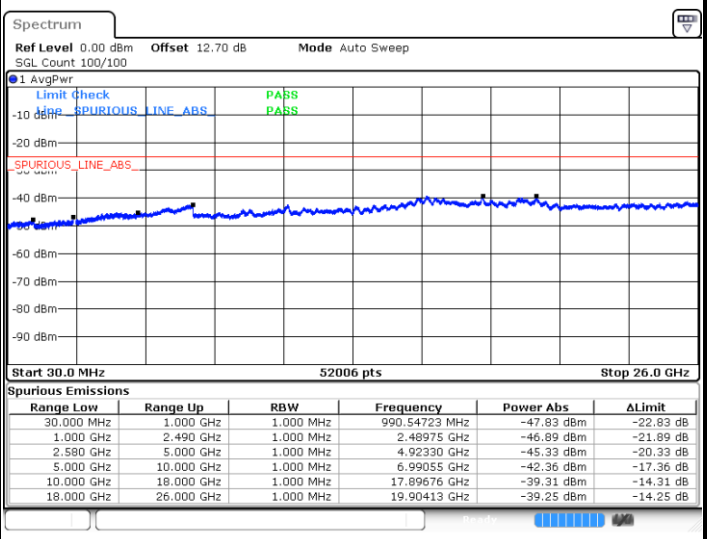


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-47.64 dBm	-22.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-45.11 dBm	-20.11 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.95088 GHz	-45.23 dBm	-20.23 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99355 GHz	-42.53 dBm	-17.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.87326 GHz	-39.47 dBm	-14.47 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.89713 GHz	-39.33 dBm	-14.33 dB

Date: 15.MAY.2020 11:51:18

Lowest Channel / 16QAM



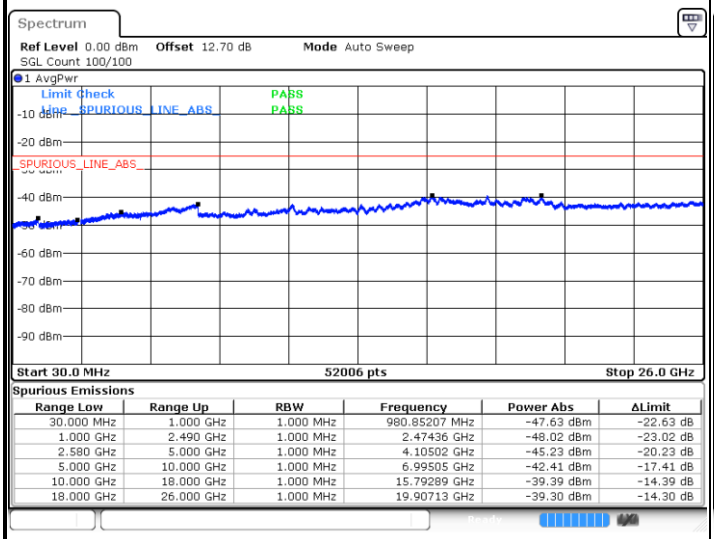
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-47.83 dBm	-22.83 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-46.89 dBm	-21.89 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92330 GHz	-45.33 dBm	-20.33 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99055 GHz	-42.36 dBm	-17.36 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.89676 GHz	-39.31 dBm	-14.31 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90413 GHz	-39.25 dBm	-14.25 dB

Date: 15.MAY.2020 11:52:09

LTE Band 7 / 20MHz

Middle Channel / QPSK

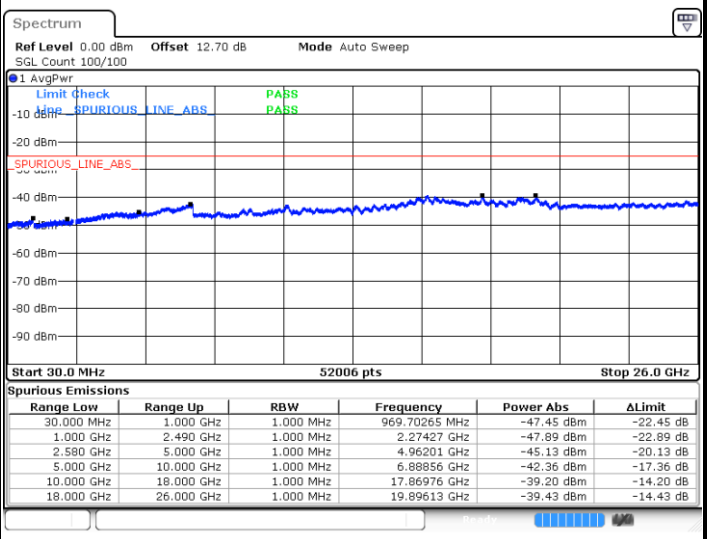


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-47.63 dBm	-22.63 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47436 GHz	-48.02 dBm	-23.02 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.10502 GHz	-45.23 dBm	-20.23 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99505 GHz	-42.41 dBm	-17.41 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.79289 GHz	-39.39 dBm	-14.39 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90713 GHz	-39.30 dBm	-14.30 dB

Date: 15.MAY.2020 11:52:59

Middle Channel / 16QAM

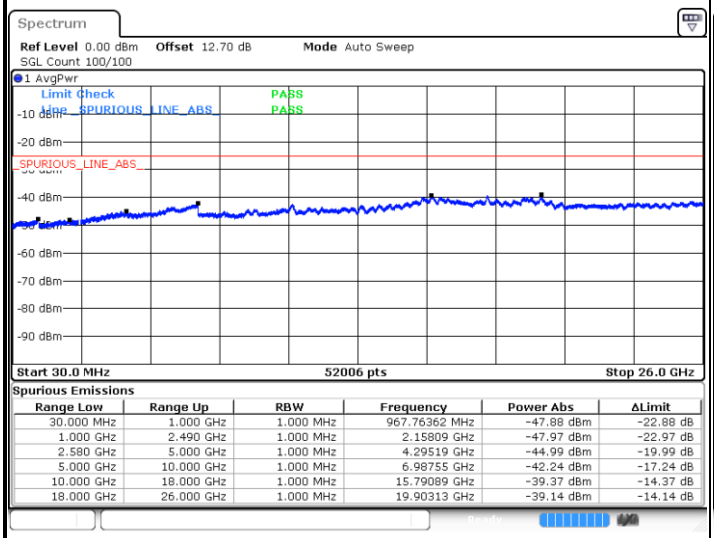


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-47.45 dBm	-22.45 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.27427 GHz	-47.89 dBm	-22.89 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96201 GHz	-45.13 dBm	-20.13 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88856 GHz	-42.36 dBm	-17.36 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86976 GHz	-39.20 dBm	-14.20 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.89613 GHz	-39.43 dBm	-14.43 dB

Date: 15.MAY.2020 11:53:49

Highest Channel / QPSK

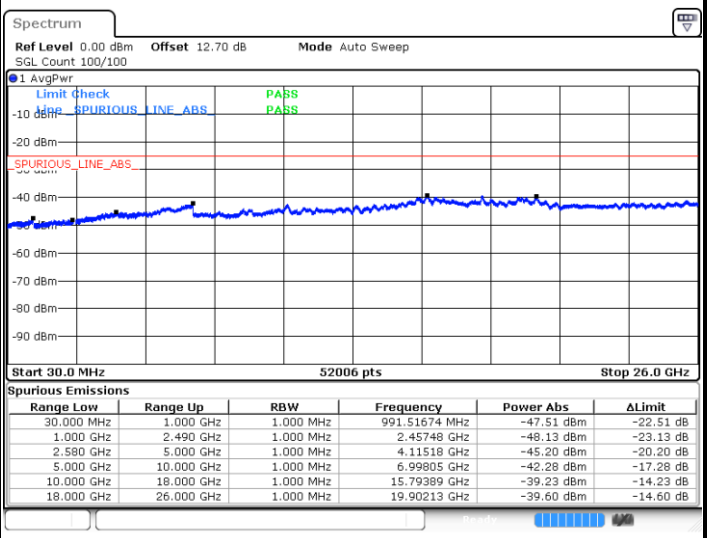


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-47.88 dBm	-22.88 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15809 GHz	-47.97 dBm	-22.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29519 GHz	-44.99 dBm	-19.99 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98755 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.79089 GHz	-39.37 dBm	-14.37 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90313 GHz	-39.14 dBm	-14.14 dB

Date: 15.MAY.2020 11:54:39

Highest Channel / 16QAM



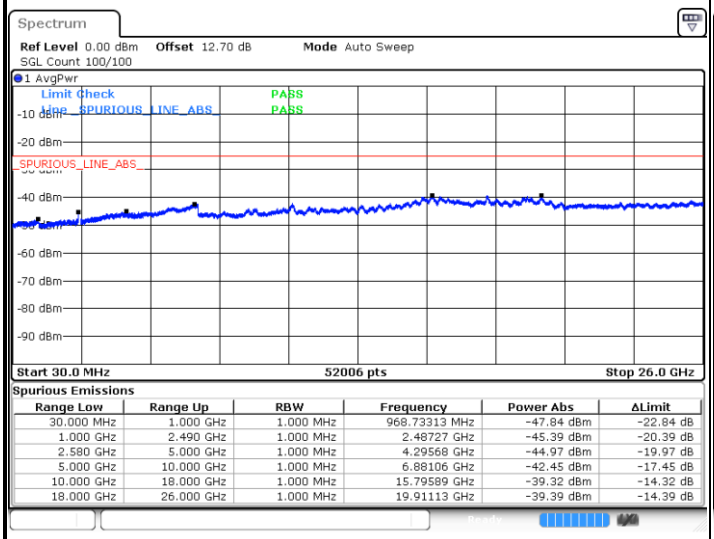
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-47.51 dBm	-22.51 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45748 GHz	-48.13 dBm	-23.13 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.11518 GHz	-45.20 dBm	-20.20 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99805 GHz	-42.28 dBm	-17.28 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.79389 GHz	-39.23 dBm	-14.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90213 GHz	-39.60 dBm	-14.60 dB

Date: 15.MAY.2020 11:55:29

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

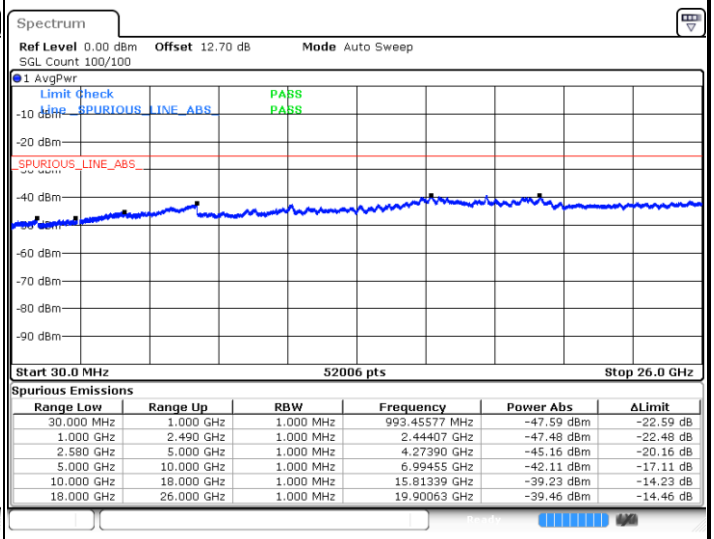


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.73313 MHz	-47.84 dBm	-22.84 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48727 GHz	-45.39 dBm	-20.39 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29568 GHz	-44.97 dBm	-19.97 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88106 GHz	-42.45 dBm	-17.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.79589 GHz	-39.32 dBm	-14.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91113 GHz	-39.39 dBm	-14.39 dB

Date: 15.MAY.2020 11:33:37

Middle Channel / 64QAM

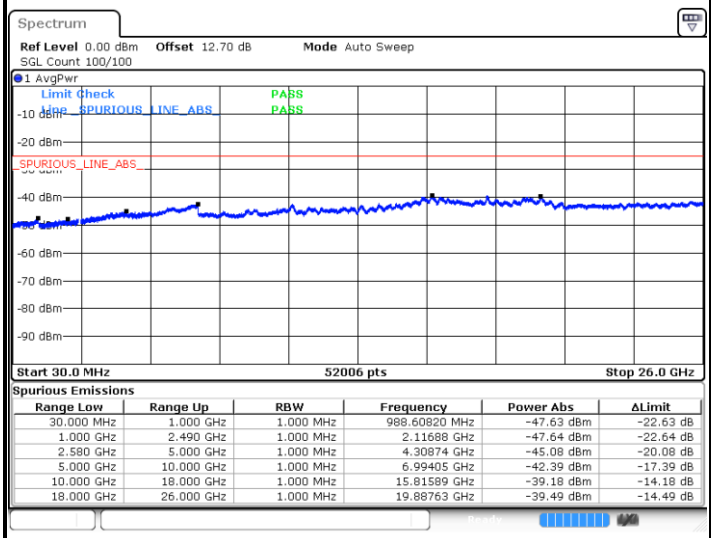


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-47.59 dBm	-22.59 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44407 GHz	-47.48 dBm	-22.48 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.27390 GHz	-45.16 dBm	-20.16 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99455 GHz	-42.11 dBm	-17.11 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.81339 GHz	-39.23 dBm	-14.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90063 GHz	-39.46 dBm	-14.46 dB

Date: 15.MAY.2020 11:34:28

Highest Channel / 64QAM



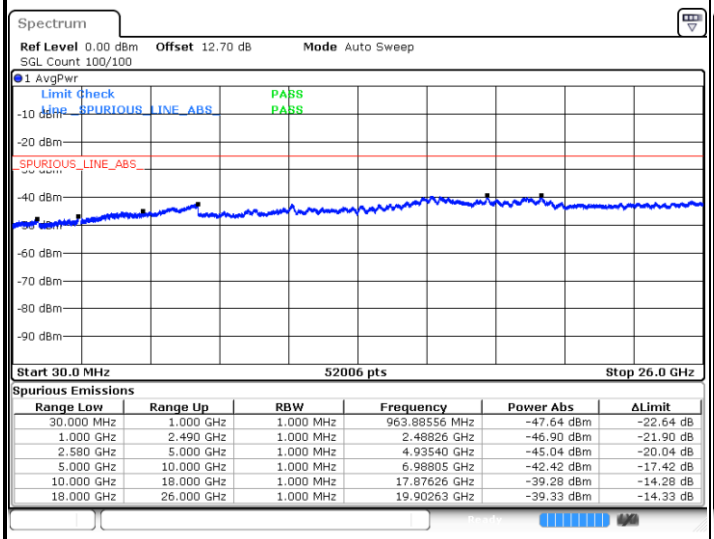
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-47.63 dBm	-22.63 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11688 GHz	-47.64 dBm	-22.64 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30874 GHz	-45.08 dBm	-20.08 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99405 GHz	-42.39 dBm	-17.39 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.81589 GHz	-39.18 dBm	-14.18 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.88763 GHz	-39.49 dBm	-14.49 dB

Date: 15.MAY.2020 11:35:18

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

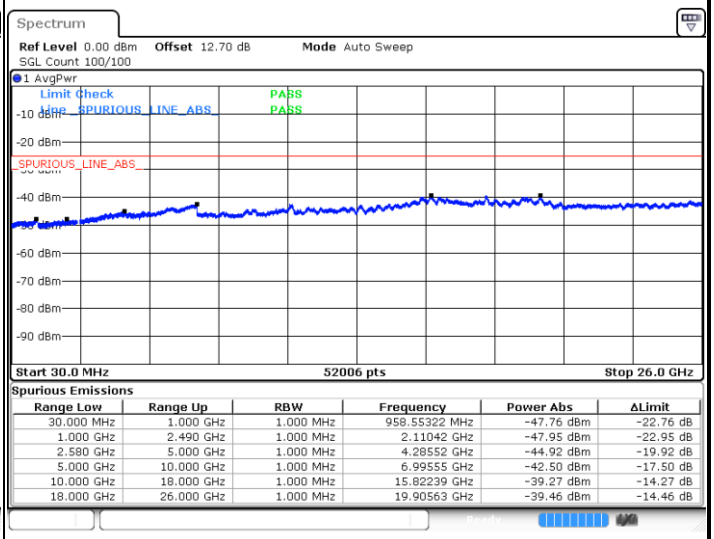


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.88556 MHz	-47.64 dBm	-22.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-46.90 dBm	-21.90 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93540 GHz	-45.04 dBm	-20.04 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98805 GHz	-42.42 dBm	-17.42 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.87626 GHz	-39.28 dBm	-14.28 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90263 GHz	-39.33 dBm	-14.33 dB

Date: 15.MAY.2020 11:41:16

Middle Channel / 64QAM

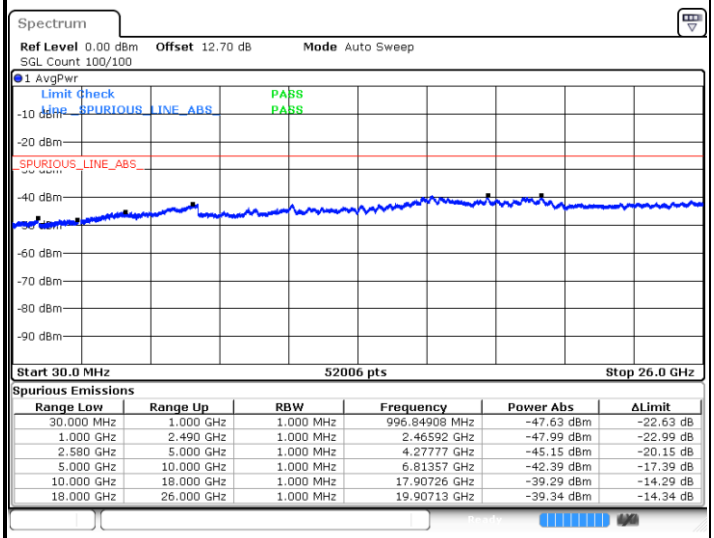


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-47.76 dBm	-22.76 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11042 GHz	-47.95 dBm	-22.95 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.28552 GHz	-44.92 dBm	-19.92 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99555 GHz	-42.50 dBm	-17.50 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.82239 GHz	-39.27 dBm	-14.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90563 GHz	-39.46 dBm	-14.46 dB

Date: 15.MAY.2020 11:42:06

Highest Channel / 64QAM



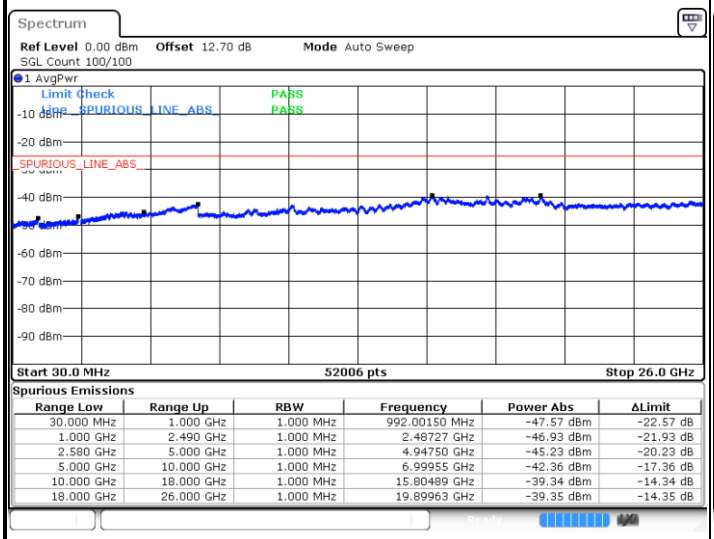
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.84908 MHz	-47.63 dBm	-22.63 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46592 GHz	-47.99 dBm	-22.99 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.27777 GHz	-45.15 dBm	-20.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.81357 GHz	-42.39 dBm	-17.39 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90726 GHz	-39.29 dBm	-14.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90713 GHz	-39.34 dBm	-14.34 dB

Date: 15.MAY.2020 11:42:56

LTE Band 7 / 15MHz

Lowest Channel / 64QAM

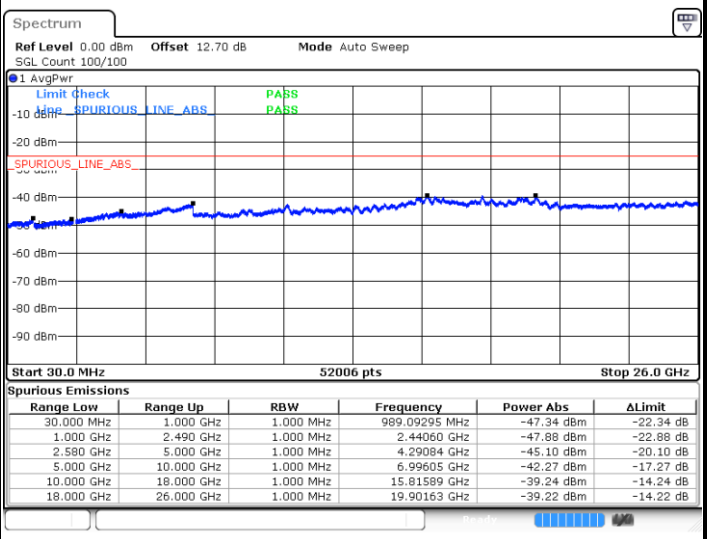


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.00150 MHz	-47.57 dBm	-22.57 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48727 GHz	-46.93 dBm	-21.93 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94750 GHz	-45.23 dBm	-20.23 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99955 GHz	-42.36 dBm	-17.36 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.80489 GHz	-39.34 dBm	-14.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.89963 GHz	-39.35 dBm	-14.35 dB

Date: 15.MAY.2020 11:43:47

Middle Channel / 64QAM

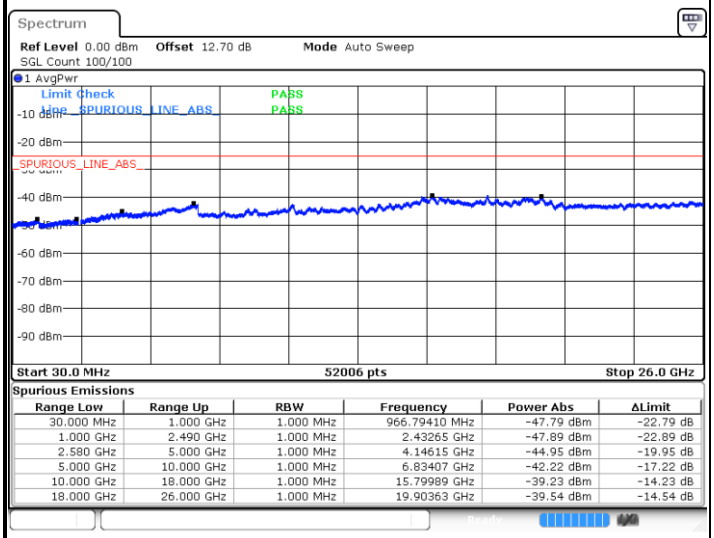


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-47.34 dBm	-22.34 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44060 GHz	-47.88 dBm	-22.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29084 GHz	-45.10 dBm	-20.10 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99605 GHz	-42.27 dBm	-17.27 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.81589 GHz	-39.24 dBm	-14.24 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90163 GHz	-39.22 dBm	-14.22 dB

Date: 15.MAY.2020 11:44:37

Highest Channel / 64QAM



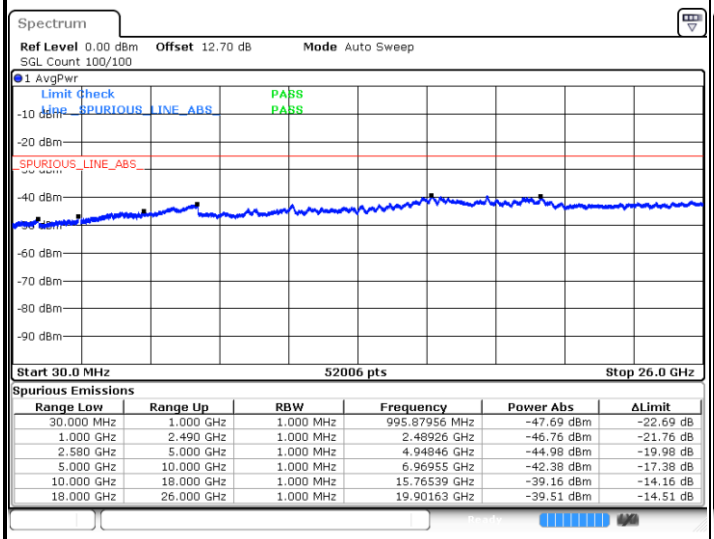
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-47.79 dBm	-22.79 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.43265 GHz	-47.89 dBm	-22.89 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.14615 GHz	-44.95 dBm	-19.95 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.83407 GHz	-42.22 dBm	-17.22 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.79989 GHz	-39.23 dBm	-14.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90363 GHz	-39.54 dBm	-14.54 dB

Date: 15.MAY.2020 11:45:27

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

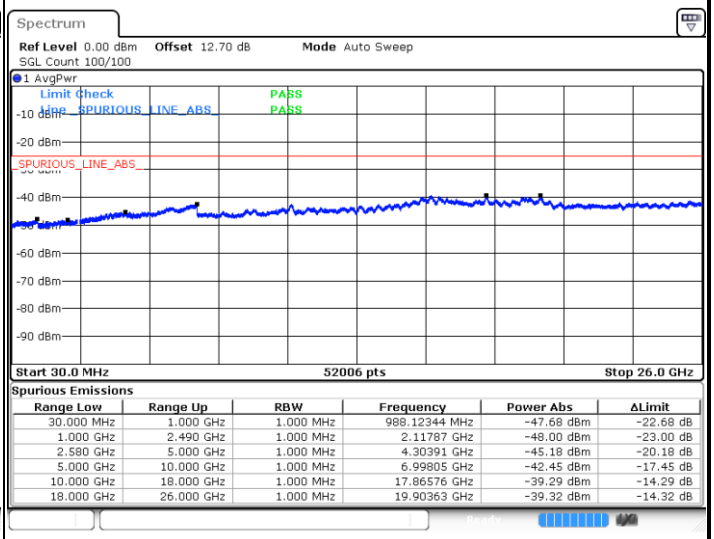


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-47.69 dBm	-22.69 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-46.76 dBm	-21.76 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94846 GHz	-44.98 dBm	-19.98 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96955 GHz	-42.38 dBm	-17.38 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76539 GHz	-39.16 dBm	-14.16 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90163 GHz	-39.51 dBm	-14.51 dB

Date: 15.MAY.2020 11:56:20

Middle Channel / 64QAM

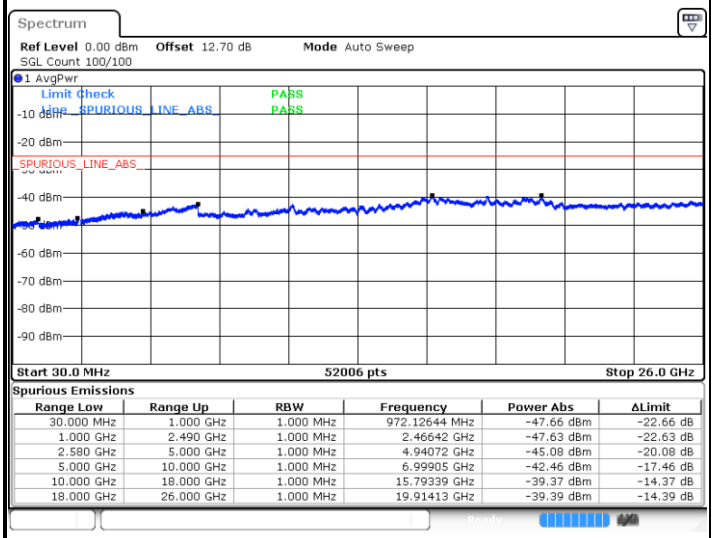


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-47.68 dBm	-22.68 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11787 GHz	-48.00 dBm	-23.00 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30391 GHz	-45.18 dBm	-20.18 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99805 GHz	-42.45 dBm	-17.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86576 GHz	-39.29 dBm	-14.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90363 GHz	-39.32 dBm	-14.32 dB

Date: 15.MAY.2020 11:57:10

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-47.66 dBm	-22.66 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46642 GHz	-47.63 dBm	-22.63 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94072 GHz	-45.08 dBm	-20.08 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99905 GHz	-42.46 dBm	-17.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.79339 GHz	-39.37 dBm	-14.37 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91413 GHz	-39.39 dBm	-14.39 dB

Date: 15.MAY.2020 11:58:00

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	0.0013	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0052	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0033	

Note:

1. Normal Voltage =3.87 V.；Battery End Point (BEP) =3.49 V.；Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.33	30.63	34.83
Middle CH	29.91	25.33	30.45	34.76
Highest CH	29.91	25.43	30.75	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.90	39.80	-
Middle CH	29.91	34.90	39.72	-
Highest CH	30.03	34.83	39.96	-

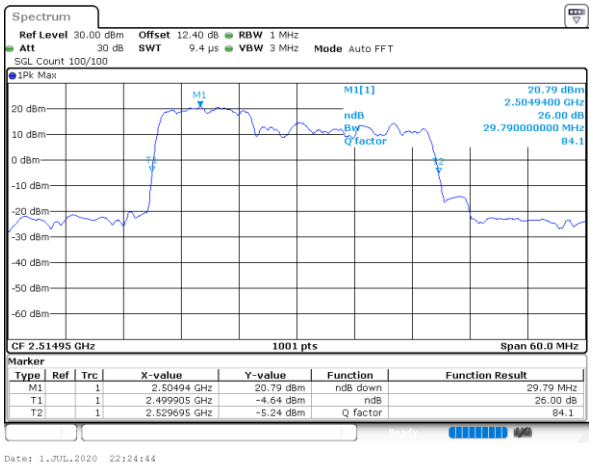
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	25.23	30.51	34.97
Middle CH	29.73	25.33	30.69	34.62
Highest CH	29.79	25.33	30.51	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.83	39.72	-
Middle CH	29.97	34.83	39.80	-
Highest CH	30.03	35.04	39.96	-

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.73	25.33	30.39	34.90
Middle CH	29.79	25.33	30.57	34.83
Highest CH	29.85	25.28	30.51	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.85	34.97	39.64	-
Middle CH	30.03	34.83	39.72	-
Highest CH	30.09	35.04	39.72	-

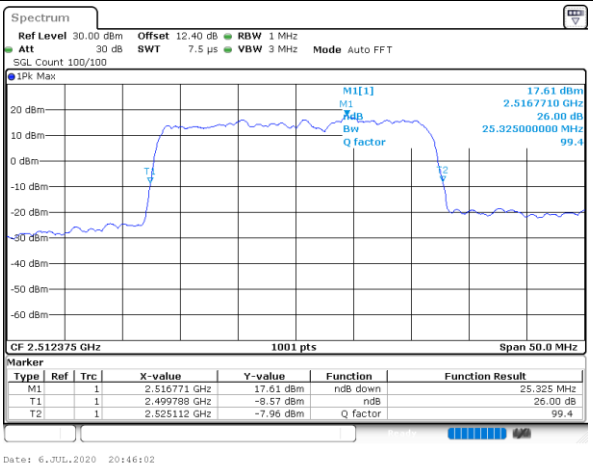
LTE Band 7C

QPSK

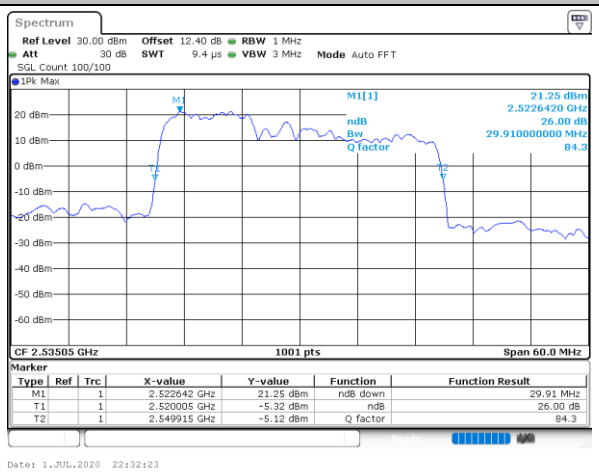
Lowest Channel / 10MHz+20MHz



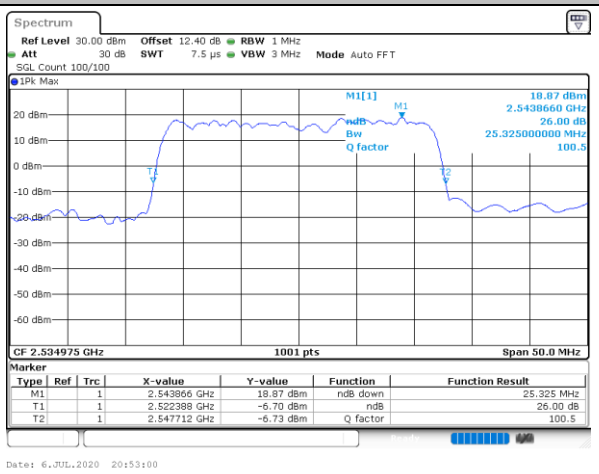
Lowest Channel / 15MHz+10MHz



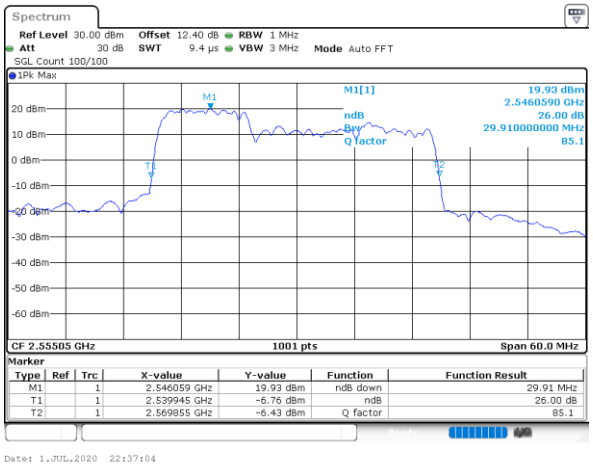
Middle Channel / 10MHz+20MHz



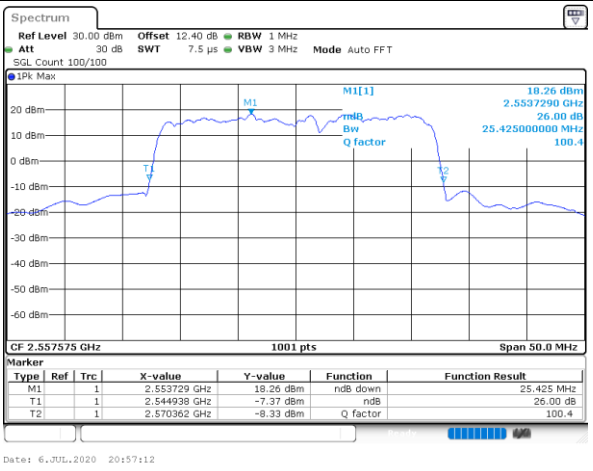
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



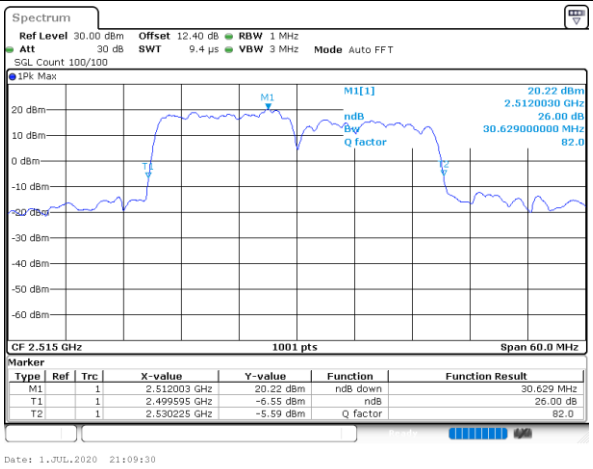
Highest Channel / 15MHz+10MHz



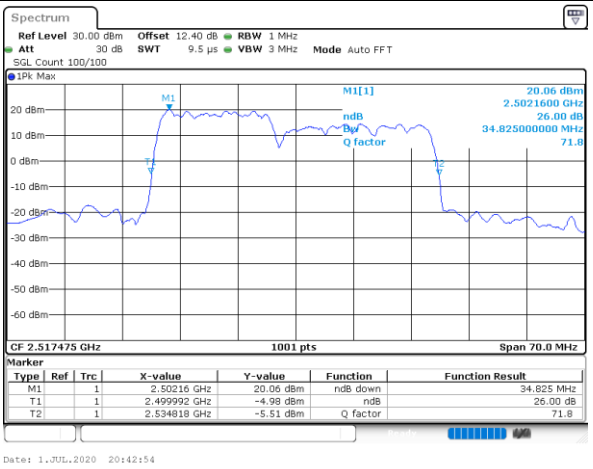
LTE Band 7C

QPSK

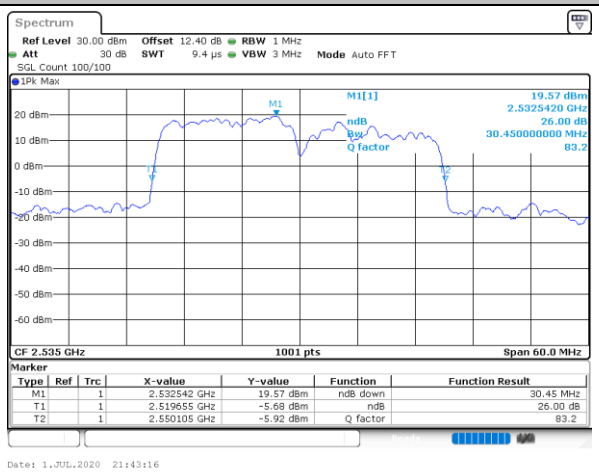
Lowest Channel / 15MHz+15MHz



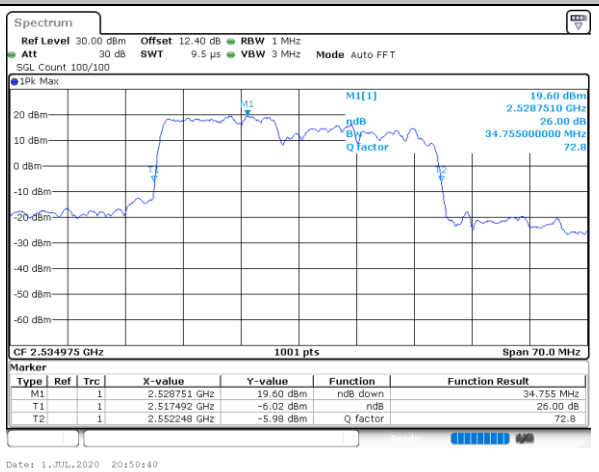
Lowest Channel / 15MHz+20MHz



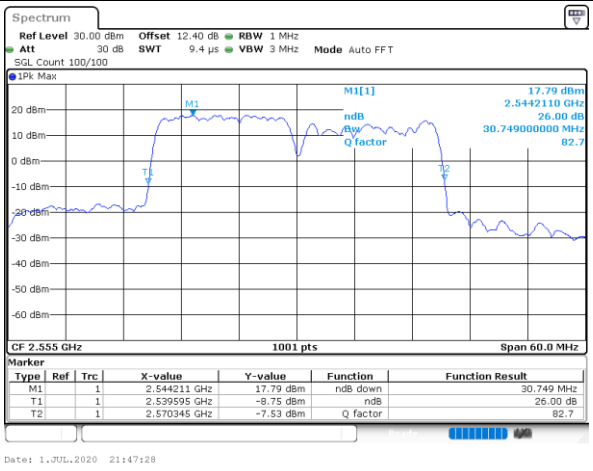
Middle Channel / 15MHz+15MHz



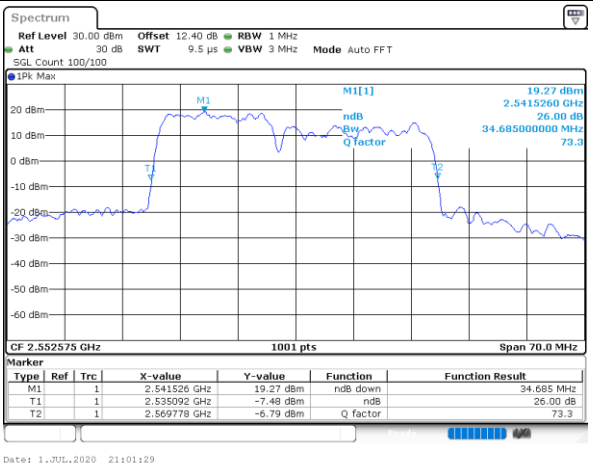
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



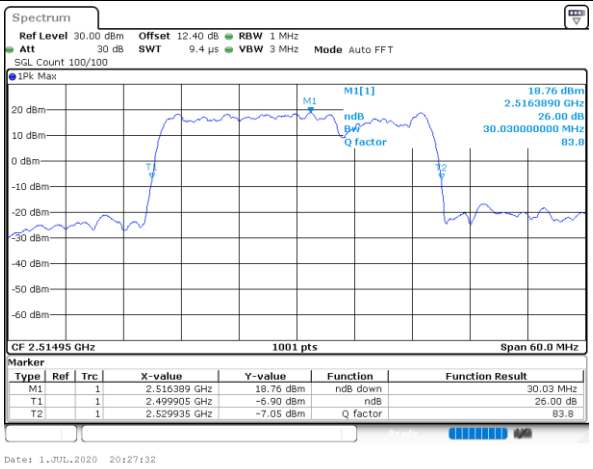
Highest Channel / 15MHz+20MHz



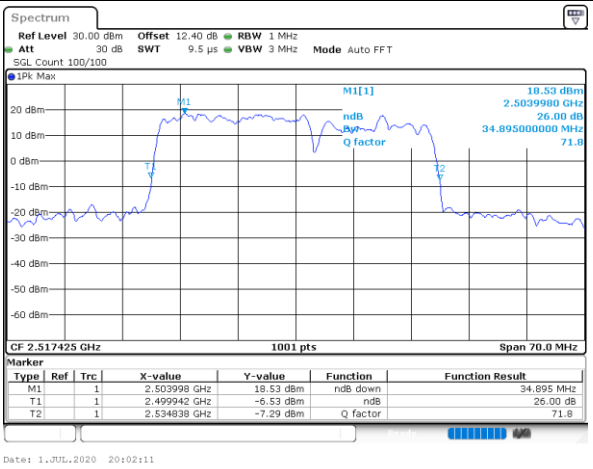
LTE Band 7C

QPSK

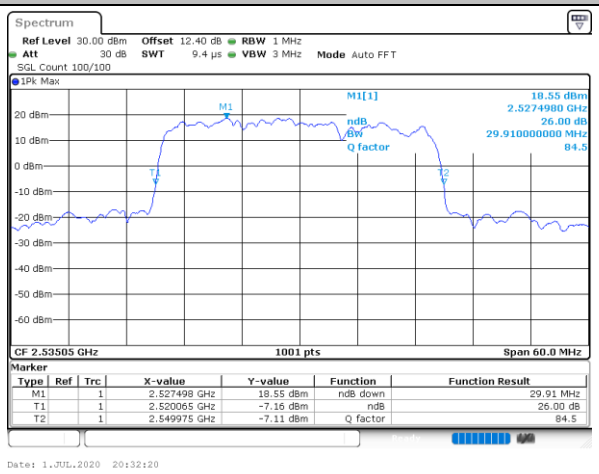
Lowest Channel / 20MHz+10MHz



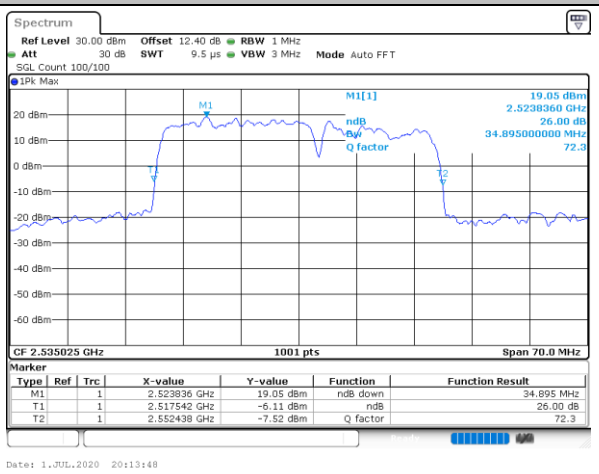
Lowest Channel / 20MHz+15MHz



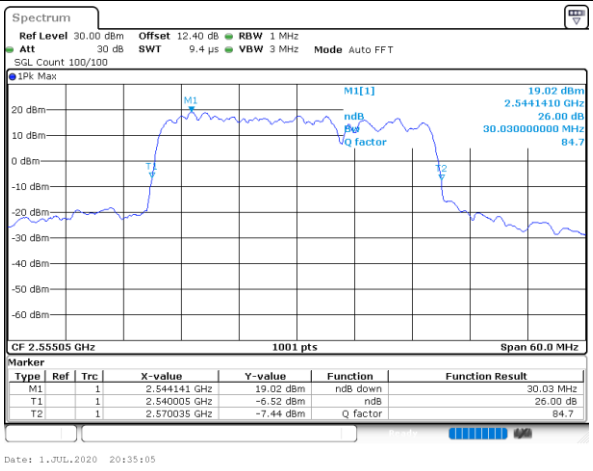
Middle Channel / 20MHz+10MHz



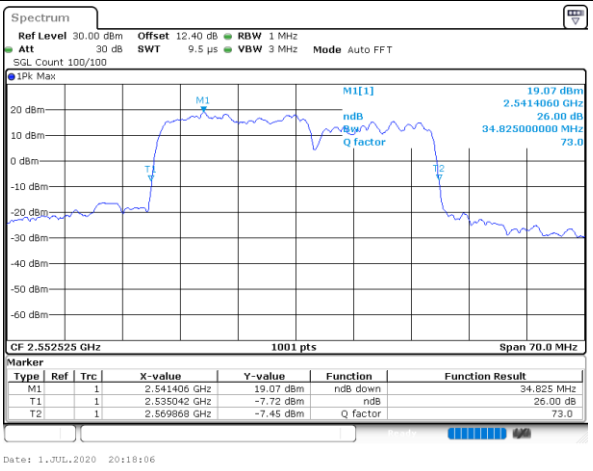
Middle Channel / 20MHz+15MHz



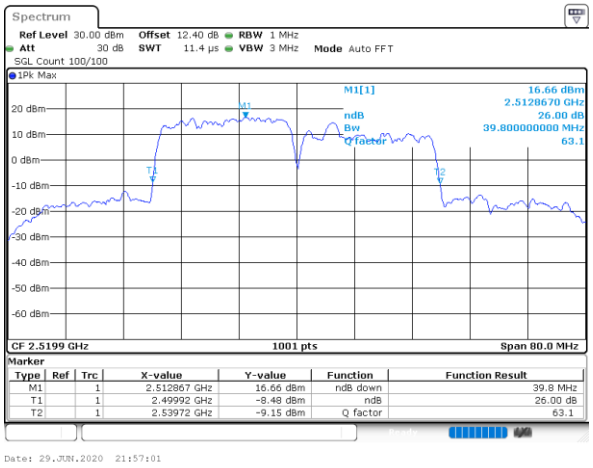
Highest Channel / 20MHz+10MHz



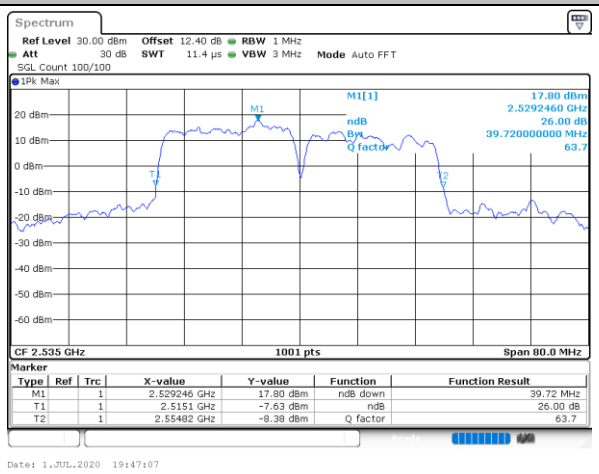
Highest Channel / 20MHz+15MHz



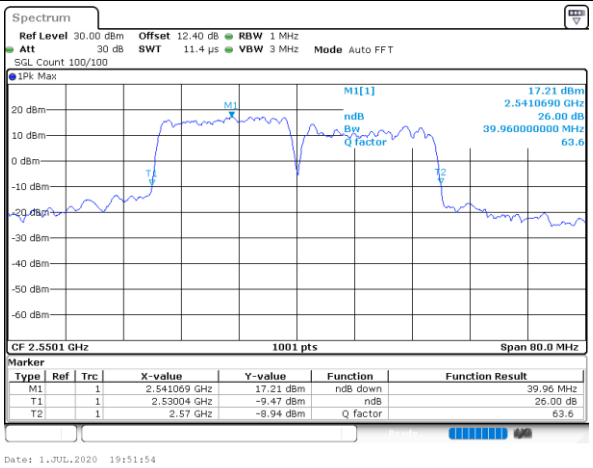
LTE Band 7C	
QPSK	
Lowest Channel / 20MHz+20MHz	N/A



Middle Channel / 20MHz+20MHz	N/A



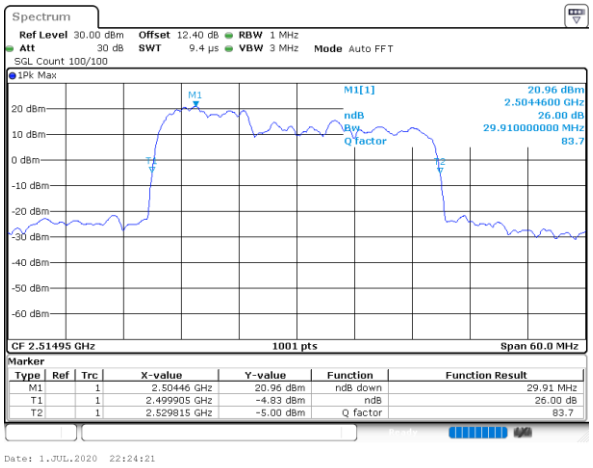
Highest Channel / 20MHz+20MHz	N/A



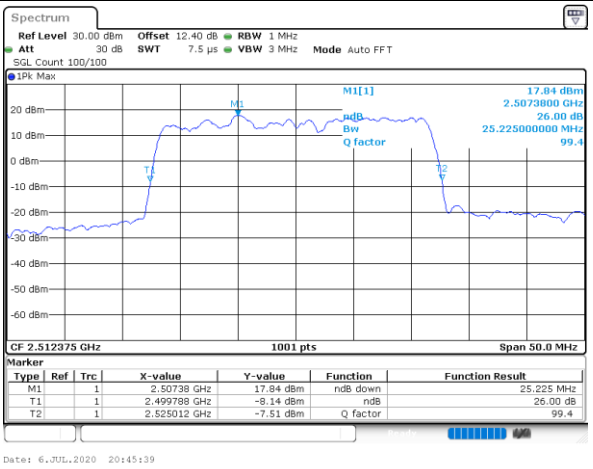
LTE Band 7C

16QAM

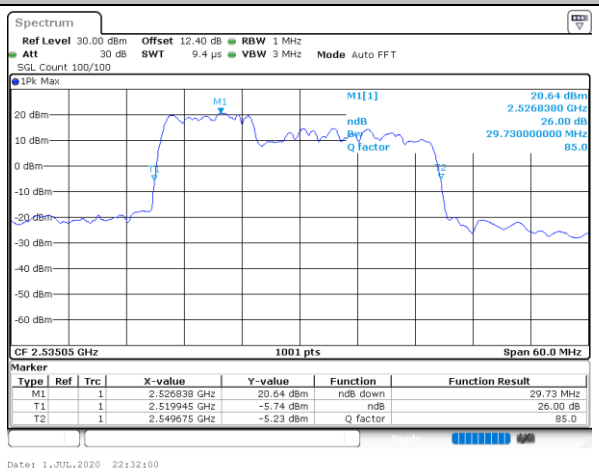
Lowest Channel / 10MHz+20MHz



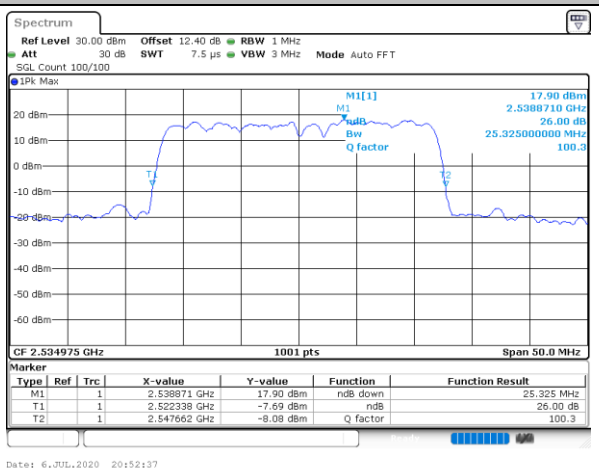
Lowest Channel / 15MHz+10MHz



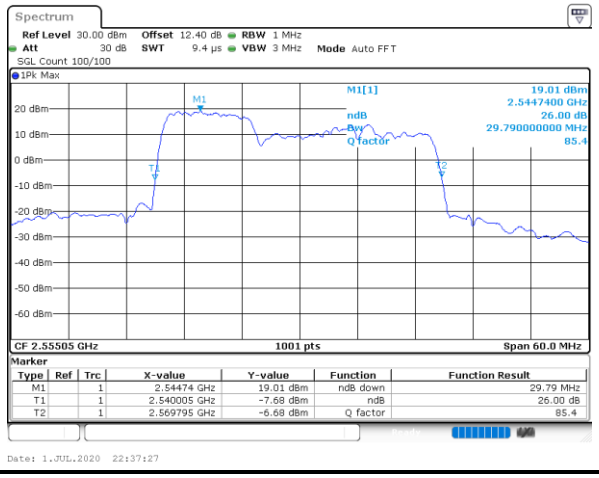
Middle Channel / 10MHz+20MHz



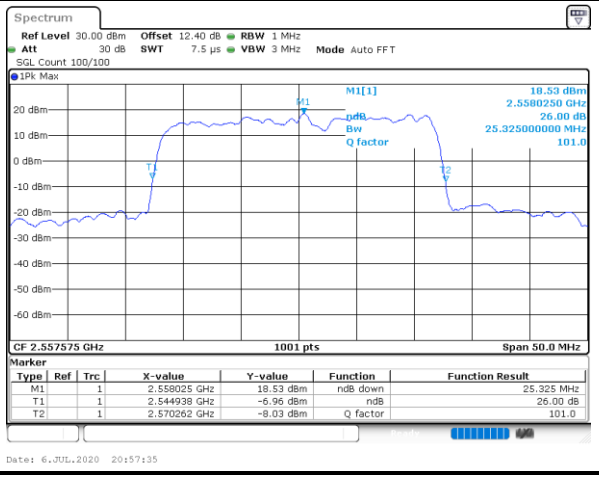
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



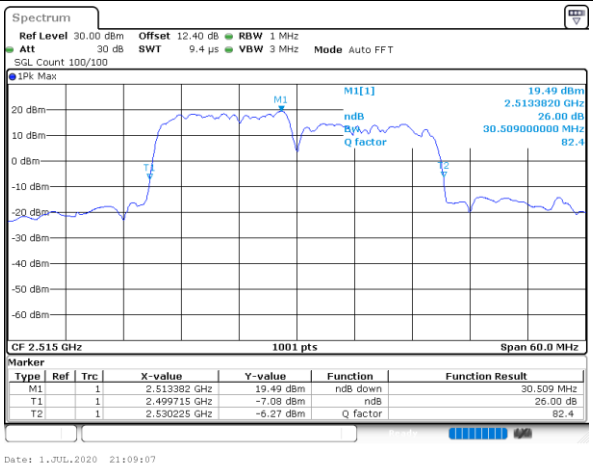
Highest Channel / 15MHz+10MHz



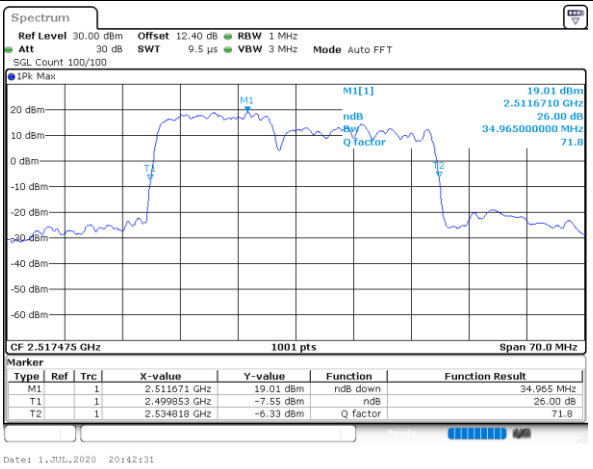
LTE Band 7C

16QAM

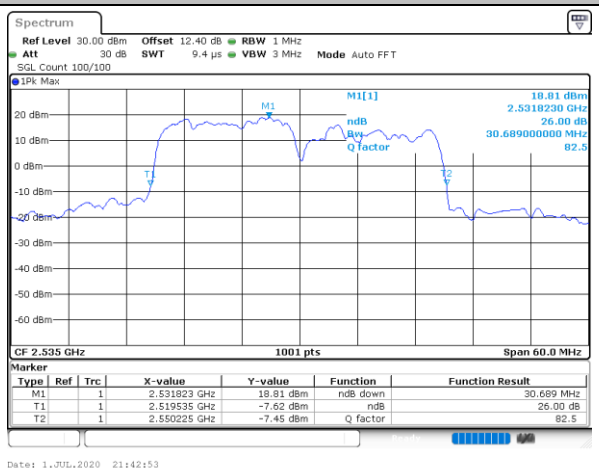
Lowest Channel / 15MHz+15MHz



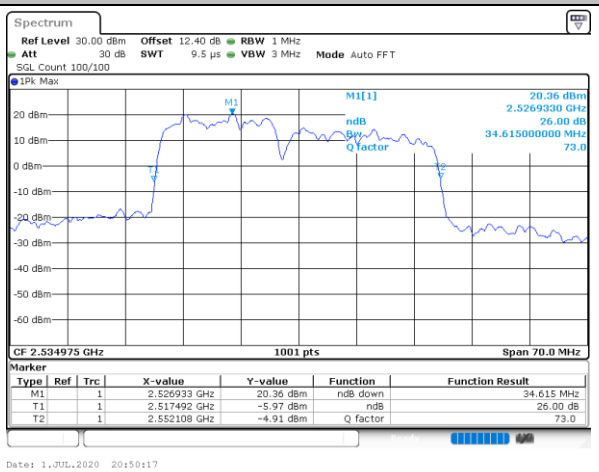
Lowest Channel / 15MHz+20MHz



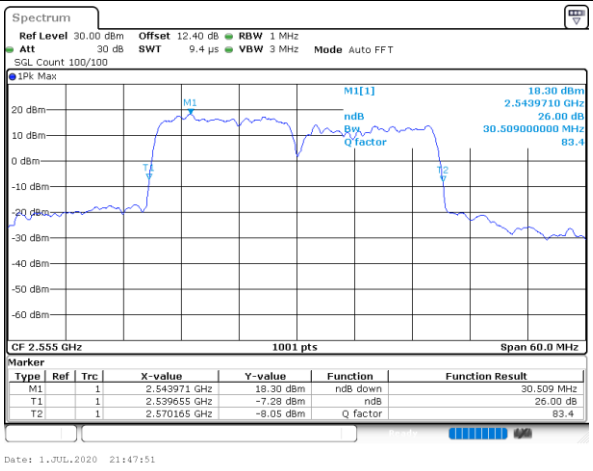
Middle Channel / 15MHz+15MHz



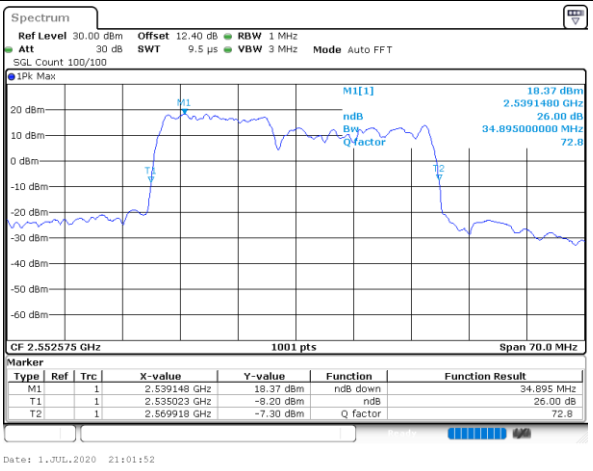
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



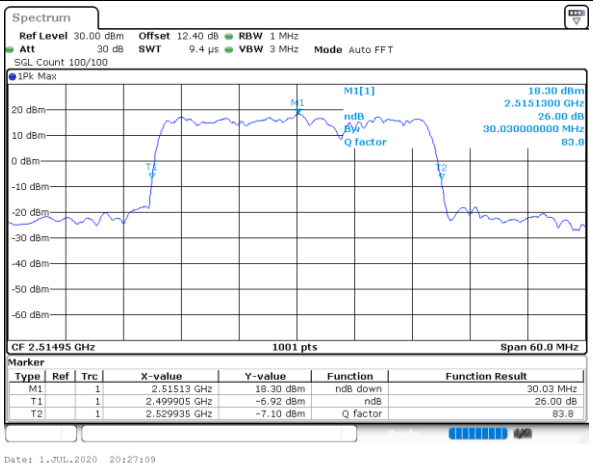
Highest Channel / 15MHz+20MHz



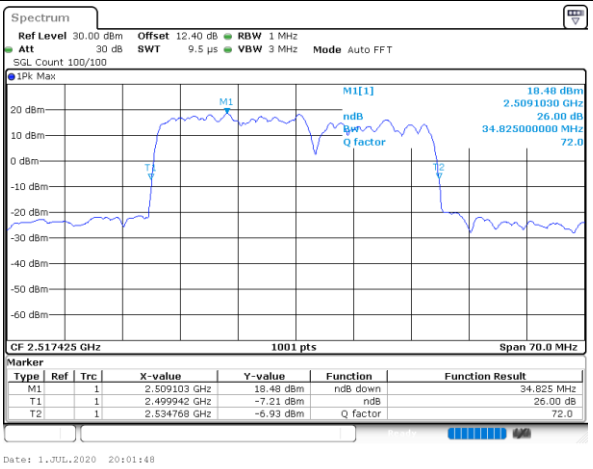
LTE Band 7C

16QAM

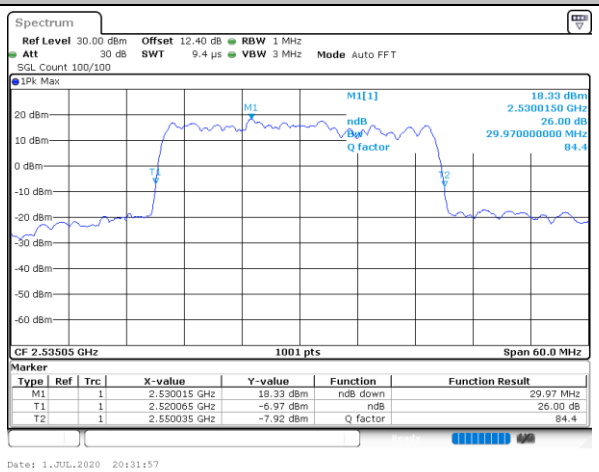
Lowest Channel / 20MHz+10MHz



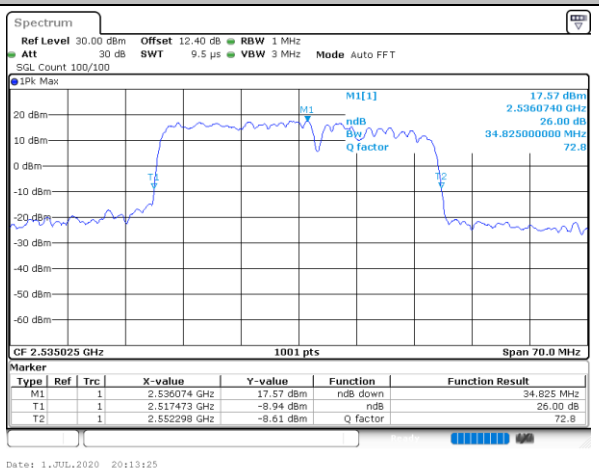
Lowest Channel / 20MHz+15MHz



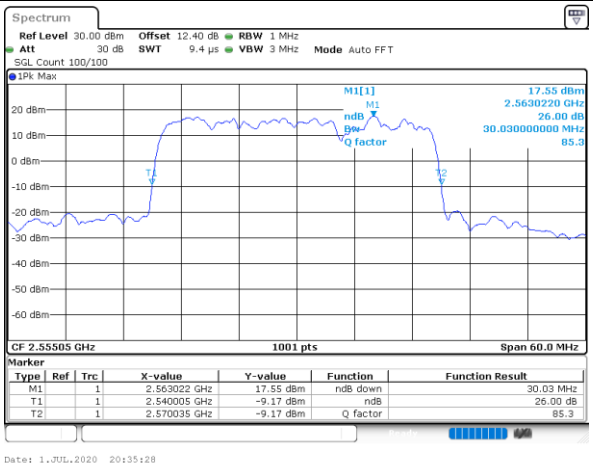
Middle Channel / 20MHz+10MHz



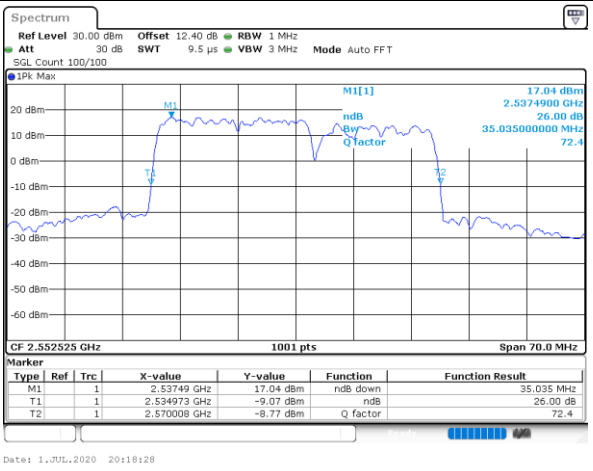
Middle Channel / 20MHz+15MHz



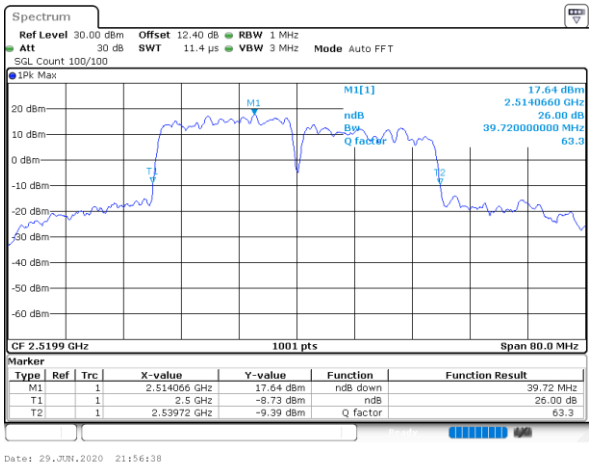
Highest Channel / 20MHz+10MHz



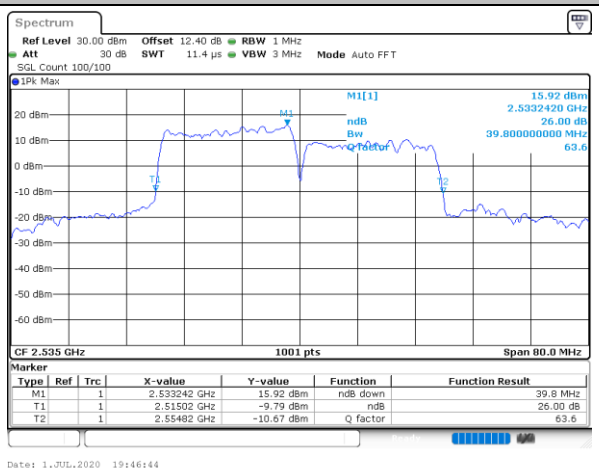
Highest Channel / 20MHz+15MHz



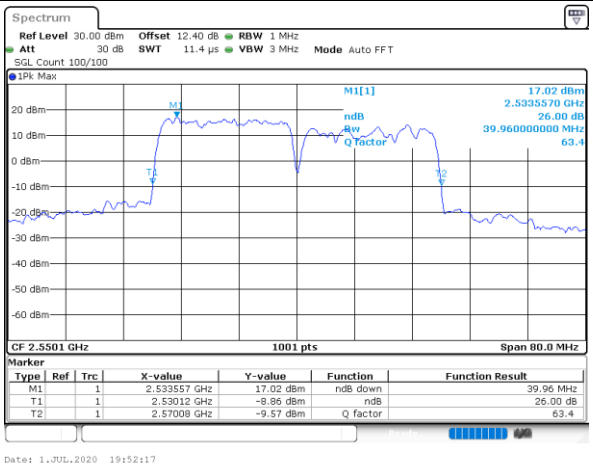
LTE Band 7C	
16QAM	
Lowest Channel / 20MHz+20MHz	N/A



Middle Channel / 20MHz+20MHz	N/A



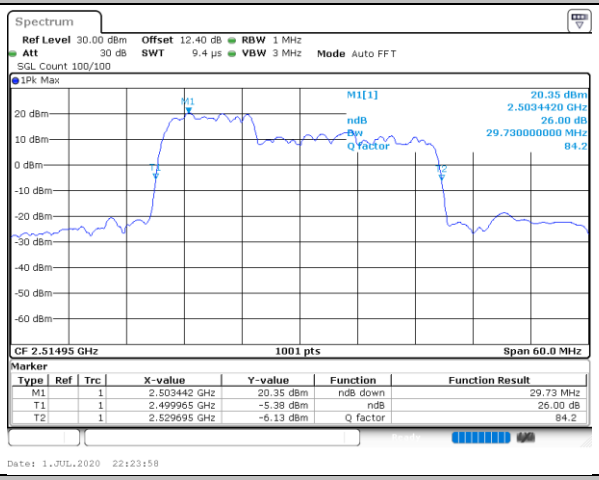
Highest Channel / 20MHz+20MHz	N/A



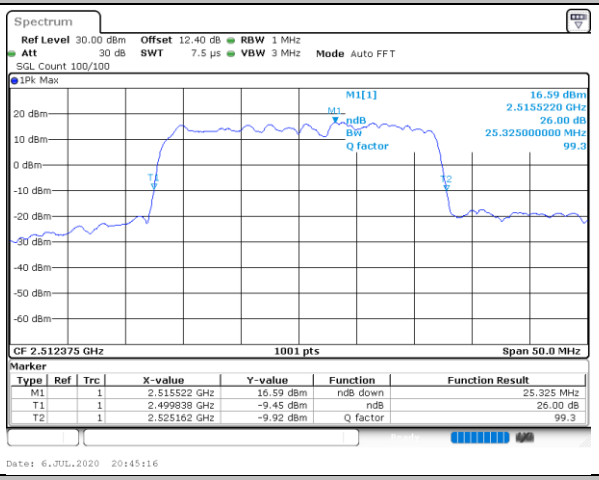
LTE Band 7C

64QAM

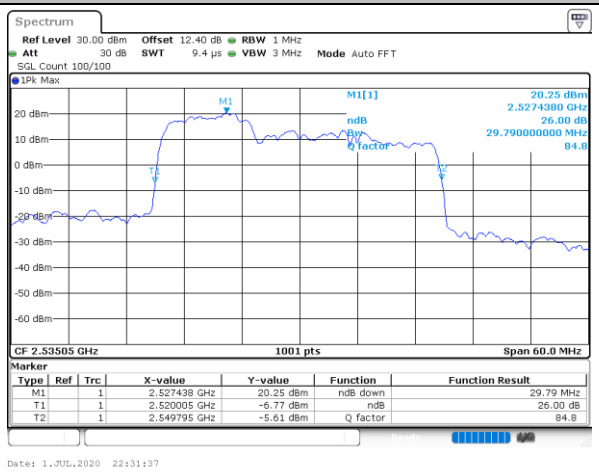
Lowest Channel / 10MHz+20MHz



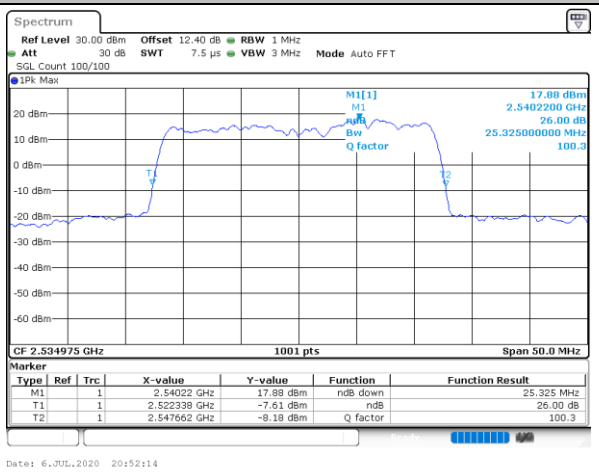
Lowest Channel / 15MHz+10MHz



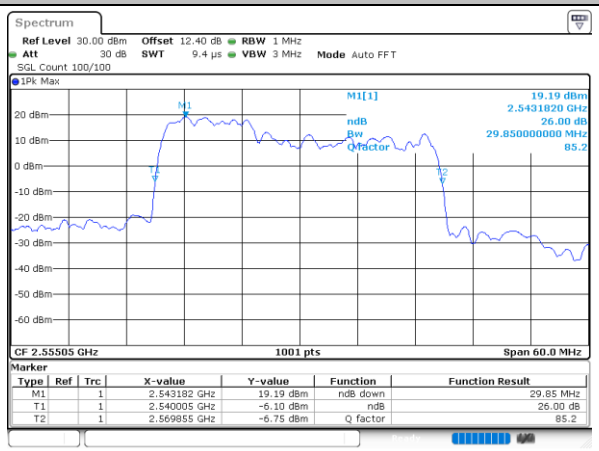
Middle Channel / 10MHz+20MHz



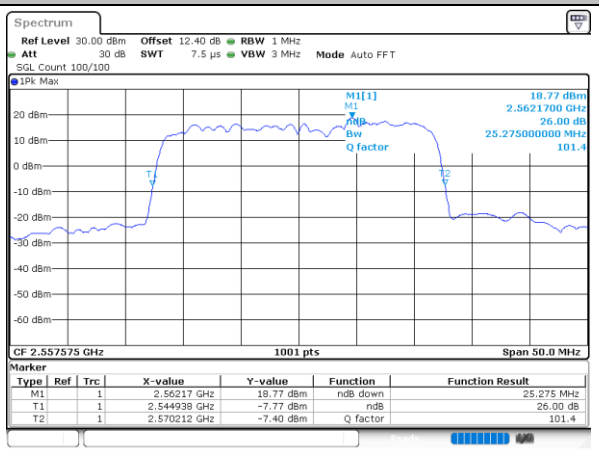
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



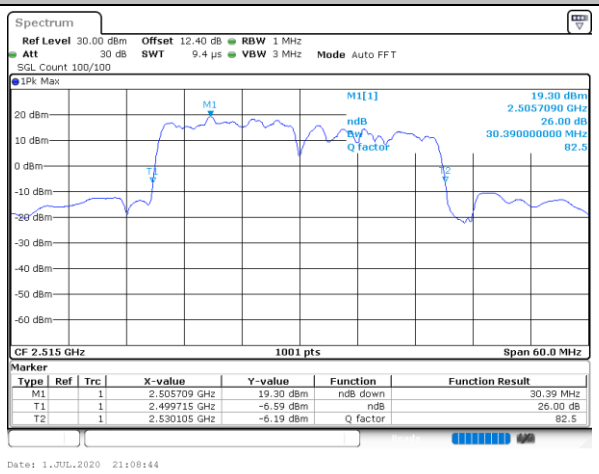
Highest Channel / 15MHz+10MHz



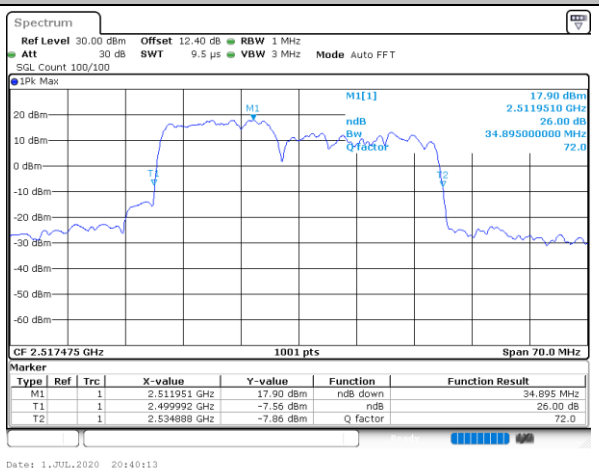
LTE Band 7C

64QAM

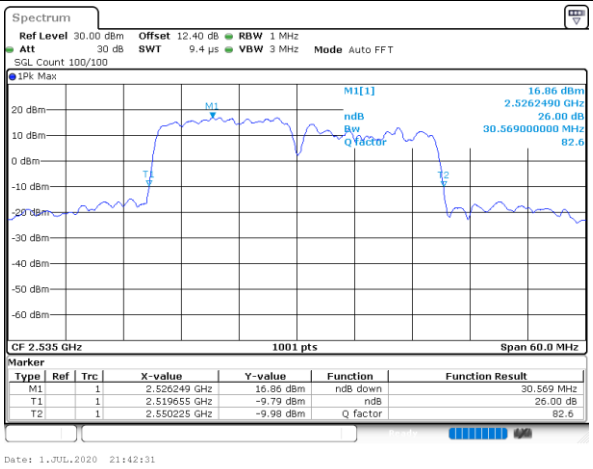
Lowest Channel / 15MHz+15MHz



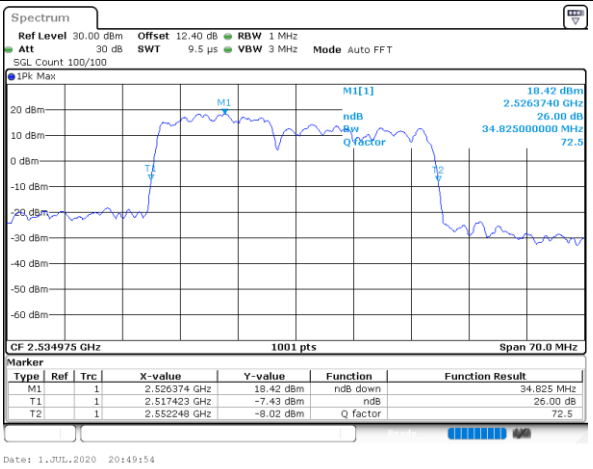
Lowest Channel / 15MHz+20MHz



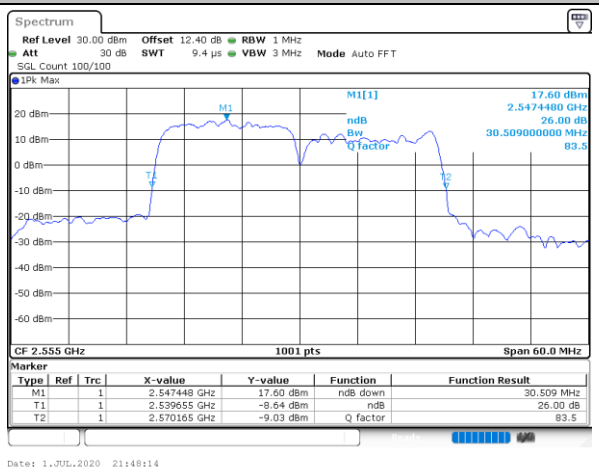
Middle Channel / 15MHz+15MHz



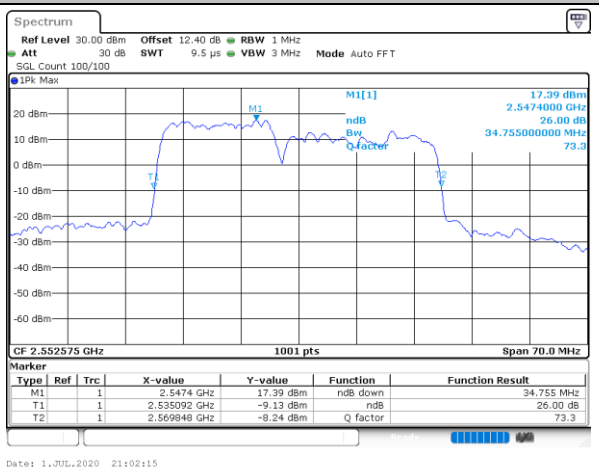
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



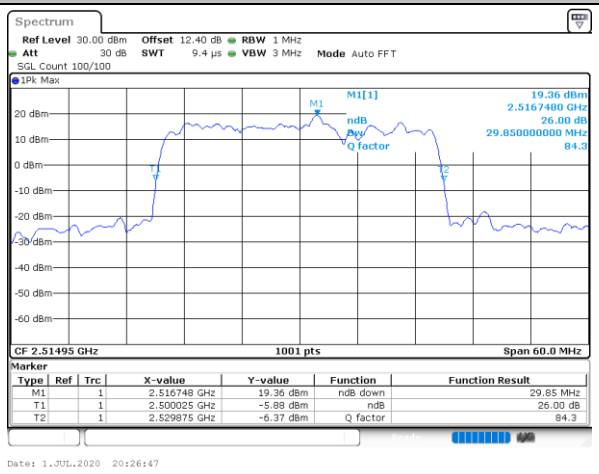
Highest Channel / 15MHz+20MHz



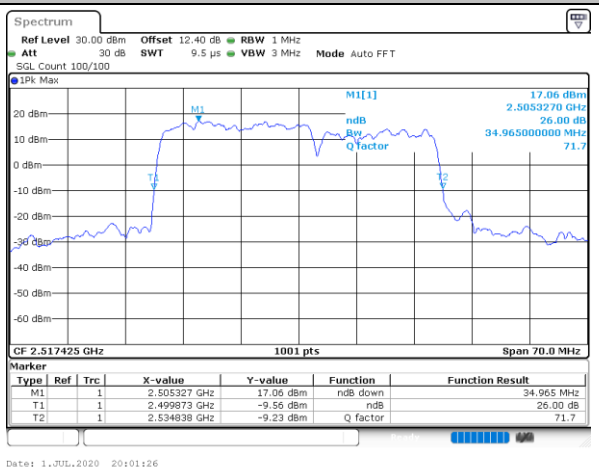
LTE Band 7C

64QAM

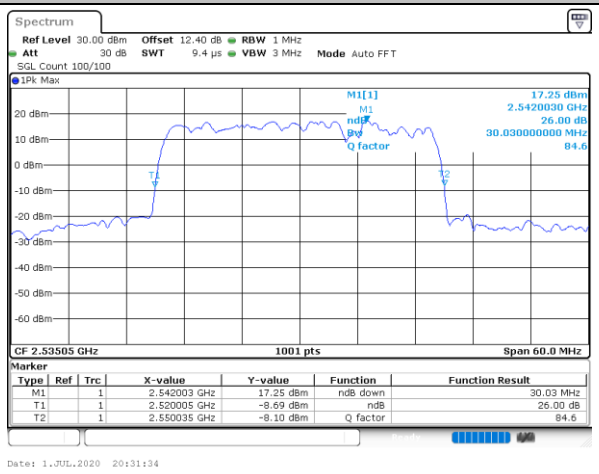
Lowest Channel / 20MHz+10MHz



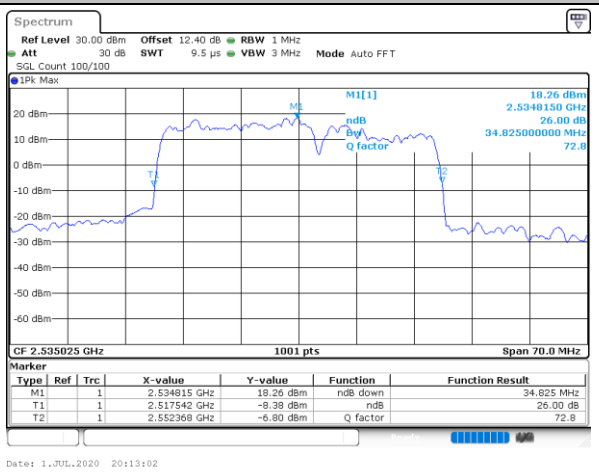
Lowest Channel / 20MHz+15MHz



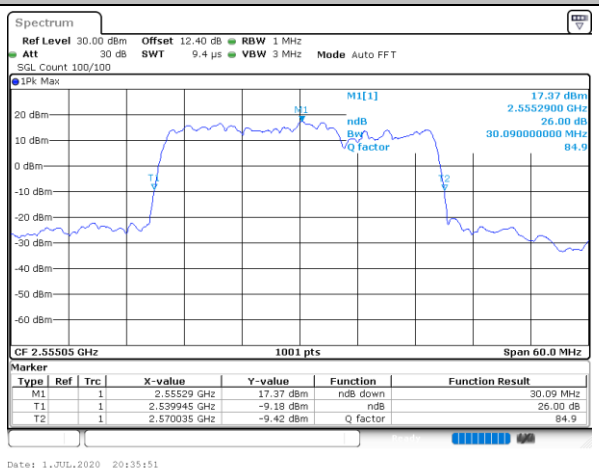
Middle Channel / 20MHz+10MHz



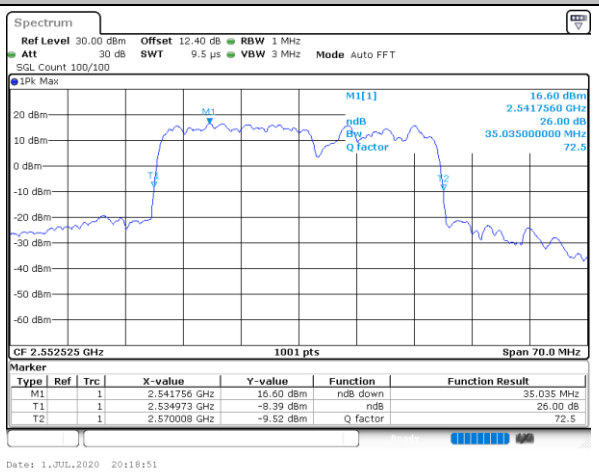
Middle Channel / 20MHz+15MHz



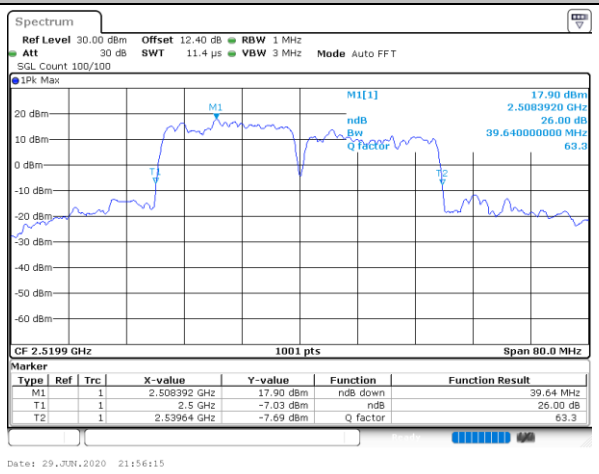
Highest Channel / 20MHz+10MHz



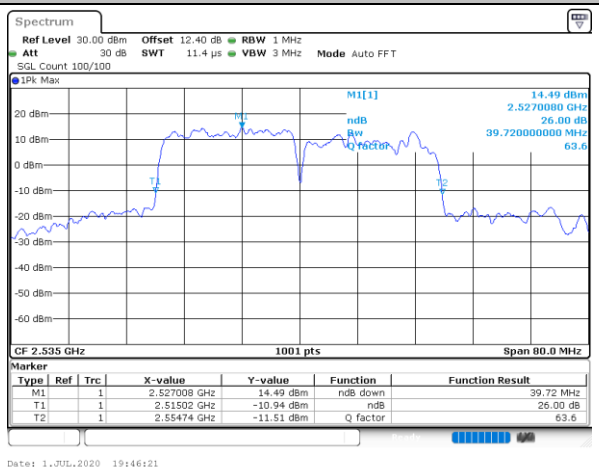
Highest Channel / 20MHz+15MHz



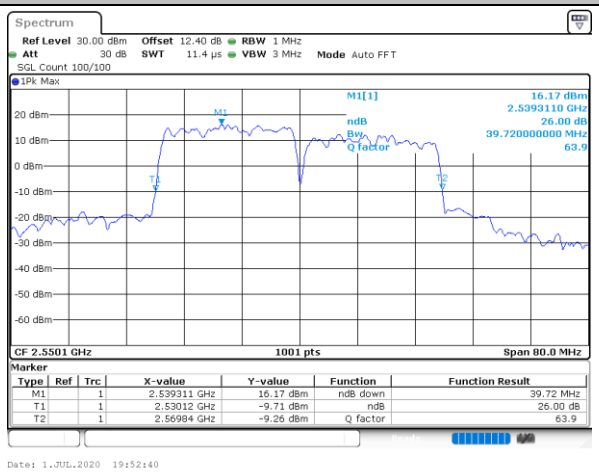
LTE Band 7C	
64QAM	
Lowest Channel / 20MHz+20MHz	N/A



Middle Channel / 20MHz+20MHz	N/A



Highest Channel / 20MHz+20MH	N/A



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.81	23.38	28.53	32.73
Middle CH	27.69	23.48	28.59	32.52
Highest CH	27.75	23.48	28.59	32.80
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.23	32.80	37.48	-
Middle CH	27.87	32.66	37.48	-
Highest CH	27.99	32.59	37.88	-

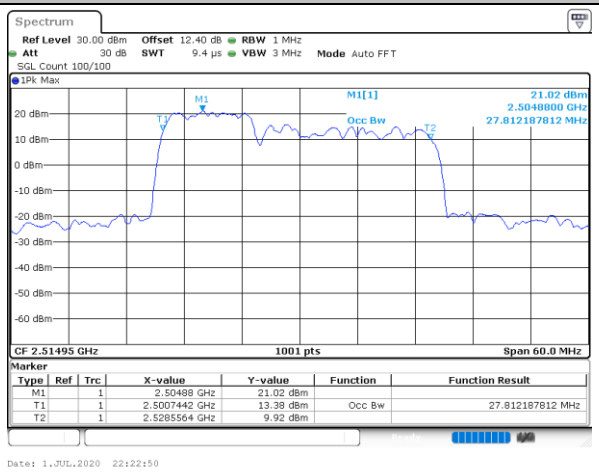
Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.93	23.13	28.71	32.66
Middle CH	27.93	23.43	28.53	32.59
Highest CH	27.93	23.48	28.53	33.01
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.99	32.80	37.48	-
Middle CH	27.81	32.73	37.56	-
Highest CH	28.11	32.66	37.56	-

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.51	23.43	28.47	32.59
Middle CH	27.99	23.38	28.65	32.80
Highest CH	27.93	23.38	28.53	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.75	32.59	37.32	-
Middle CH	27.69	32.59	37.80	-
Highest CH	28.11	32.73	37.16	-

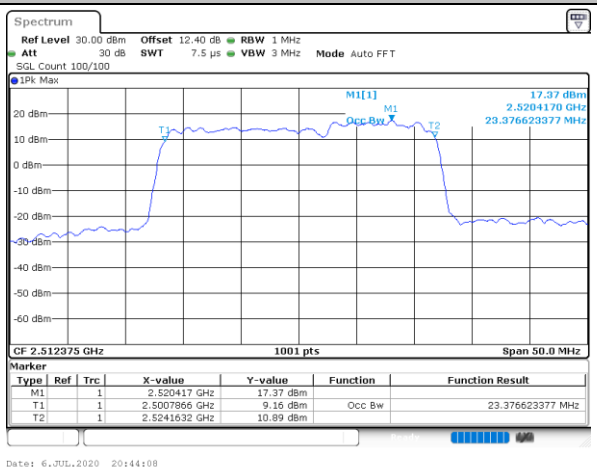
LTE Band 7C

QPSK

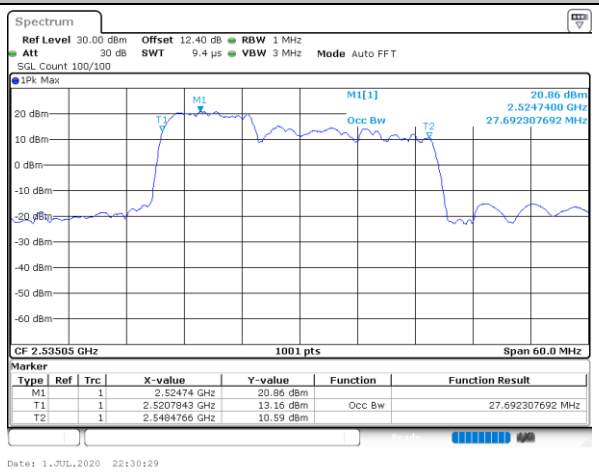
Lowest Channel / 10MHz+20MHz



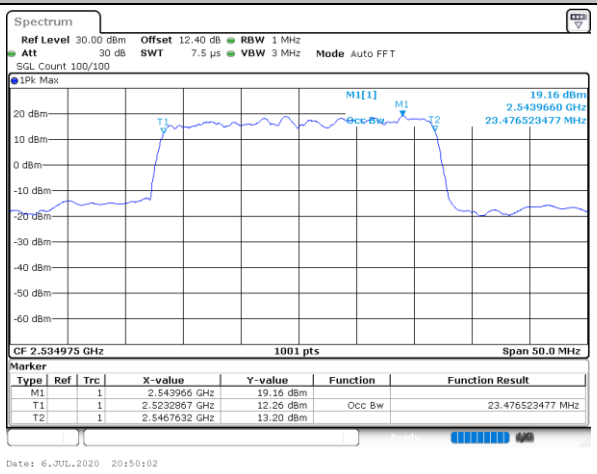
Lowest Channel / 15MHz+10MHz



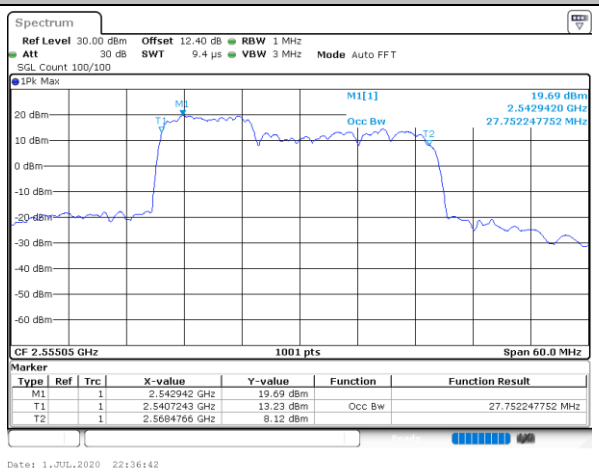
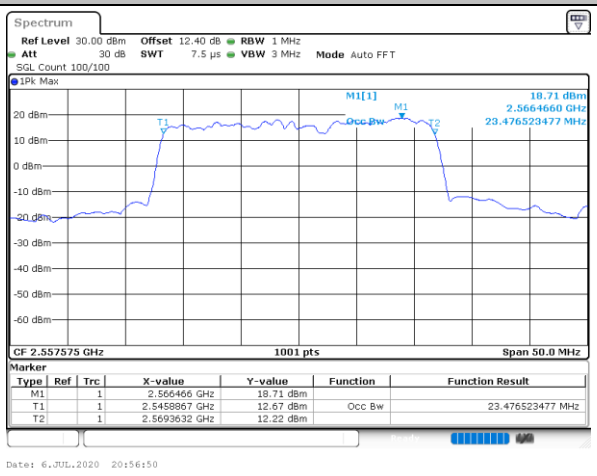
Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz