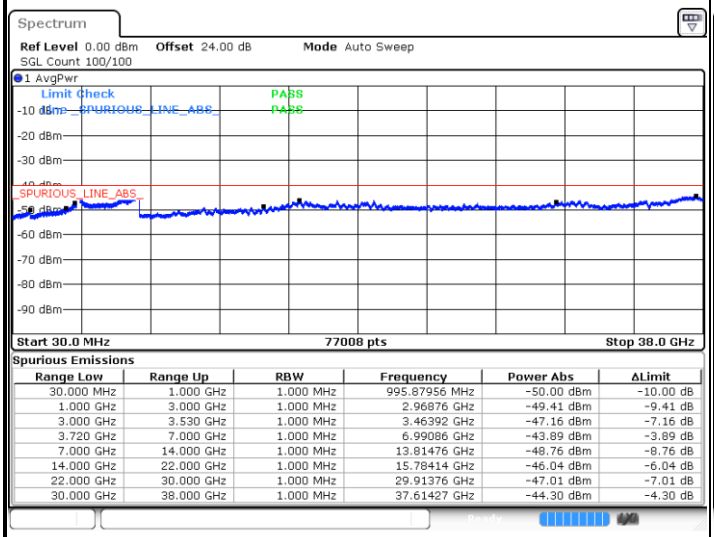
LTE Band 48 / 10MHz

64QAM

MiddleChannel / 1RB0

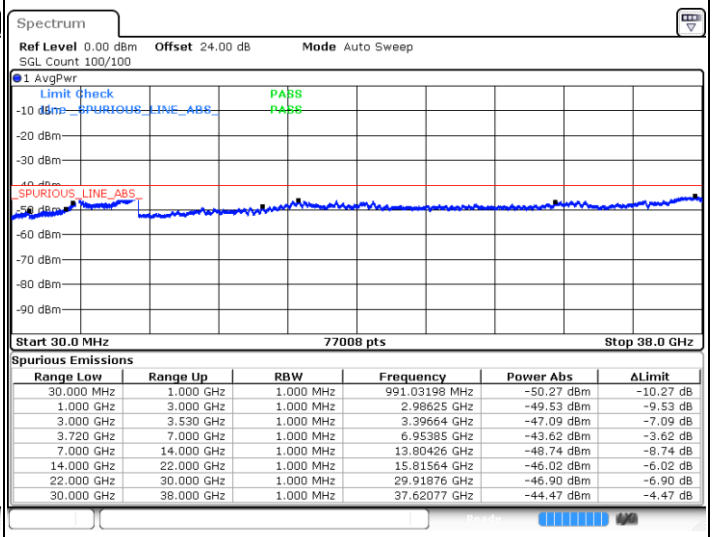


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-50.00 dBm	-10.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96876 GHz	-49.41 dBm	-9.41 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.46392 GHz	-47.16 dBm	-7.16 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.99086 GHz	-43.89 dBm	-3.89 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.81476 GHz	-48.76 dBm	-8.76 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.78414 GHz	-46.04 dBm	-6.04 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.91376 GHz	-47.01 dBm	-7.01 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.61427 GHz	-44.30 dBm	-4.30 dB

Date: 6.AUG.2020 06:17:09

Middle Channel / 1RBmax

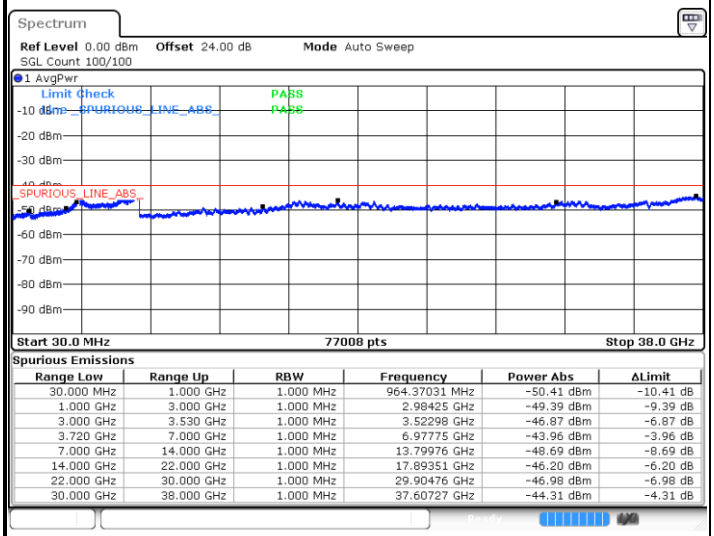


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-50.27 dBm	-10.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98625 GHz	-49.53 dBm	-9.53 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.39664 GHz	-47.09 dBm	-7.09 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.95385 GHz	-43.62 dBm	-3.62 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80426 GHz	-48.74 dBm	-8.74 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.81564 GHz	-46.02 dBm	-6.02 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.91876 GHz	-46.90 dBm	-6.90 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.62077 GHz	-44.47 dBm	-4.47 dB

Date: 6.AUG.2020 06:37:15

Middle Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-50.41 dBm	-10.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98425 GHz	-49.39 dBm	-9.39 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.52298 GHz	-46.87 dBm	-6.87 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.97775 GHz	-43.96 dBm	-3.96 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.79976 GHz	-48.69 dBm	-8.69 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.89351 GHz	-46.20 dBm	-6.20 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.90476 GHz	-46.98 dBm	-6.98 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.60727 GHz	-44.31 dBm	-4.31 dB

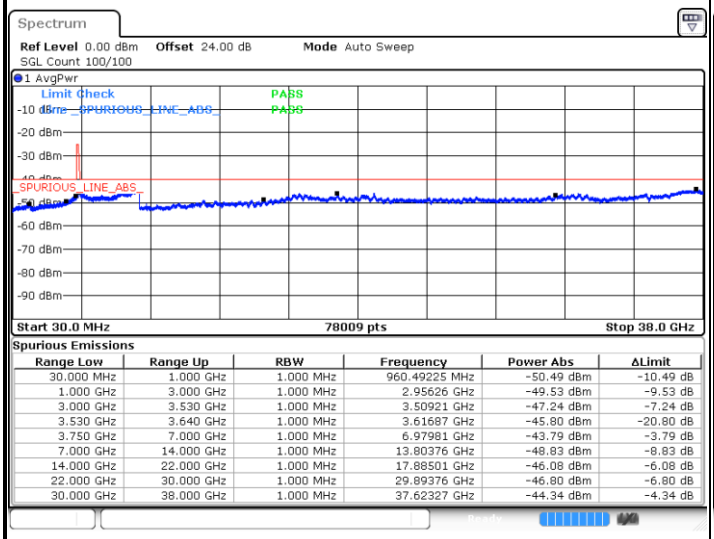
Date: 6.AUG.2020 06:27:12

N/A

LTE Band 48 / 10MHz

64QAM

Highest Channel / 1RB0

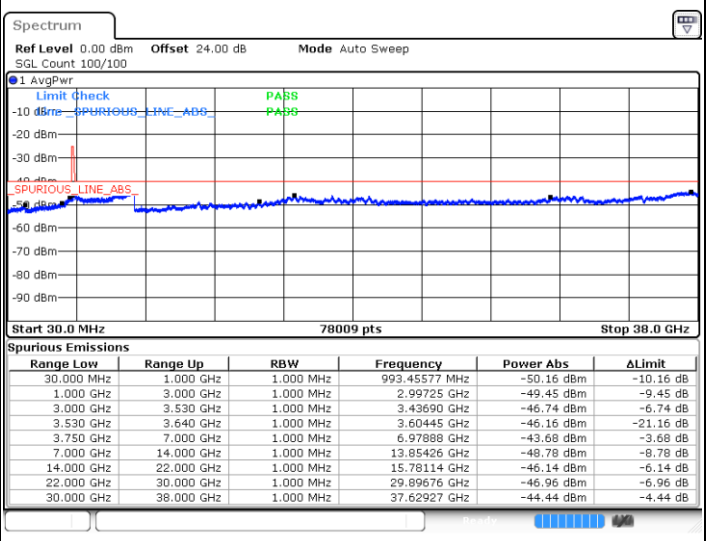


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.49225 MHz	-50.49 dBm	-10.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95626 GHz	-49.53 dBm	-9.53 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.50921 GHz	-47.24 dBm	-7.24 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.61687 GHz	-45.80 dBm	-20.80 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97981 GHz	-43.79 dBm	-3.79 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80376 GHz	-48.83 dBm	-8.83 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.88501 GHz	-46.08 dBm	-6.08 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.89376 GHz	-46.80 dBm	-6.80 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.62327 GHz	-44.34 dBm	-4.34 dB

Date: 6.AUG.2020 06:18:16

Highest Channel / 1RBmax

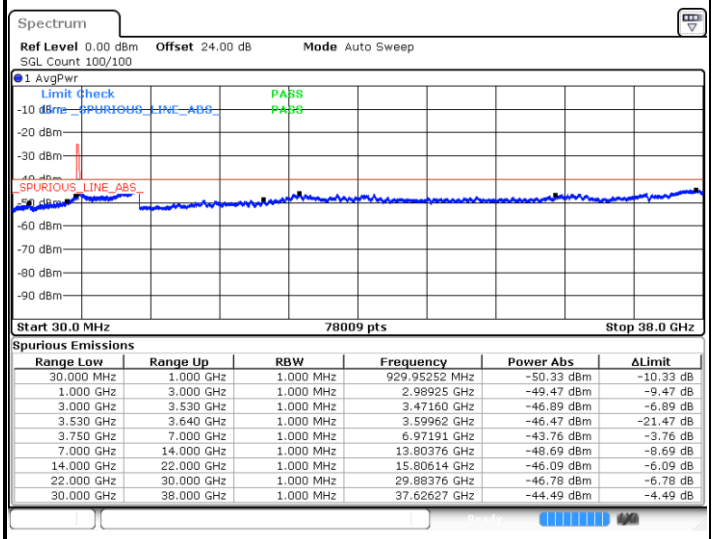


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-50.16 dBm	-10.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99725 GHz	-49.45 dBm	-9.45 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.43690 GHz	-46.74 dBm	-6.74 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.60445 GHz	-46.16 dBm	-21.16 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97888 GHz	-43.68 dBm	-3.68 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.85426 GHz	-48.78 dBm	-8.78 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.78114 GHz	-46.14 dBm	-6.14 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.89676 GHz	-46.96 dBm	-6.96 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.62927 GHz	-44.44 dBm	-4.44 dB

Date: 6.AUG.2020 06:38:22

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-50.33 dBm	-10.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98925 GHz	-49.47 dBm	-9.47 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.47160 GHz	-46.89 dBm	-6.89 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.59962 GHz	-46.47 dBm	-21.47 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97191 GHz	-43.76 dBm	-3.76 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80376 GHz	-48.69 dBm	-8.69 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.80614 GHz	-46.09 dBm	-6.09 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.88376 GHz	-46.78 dBm	-6.78 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.62627 GHz	-44.49 dBm	-4.49 dB

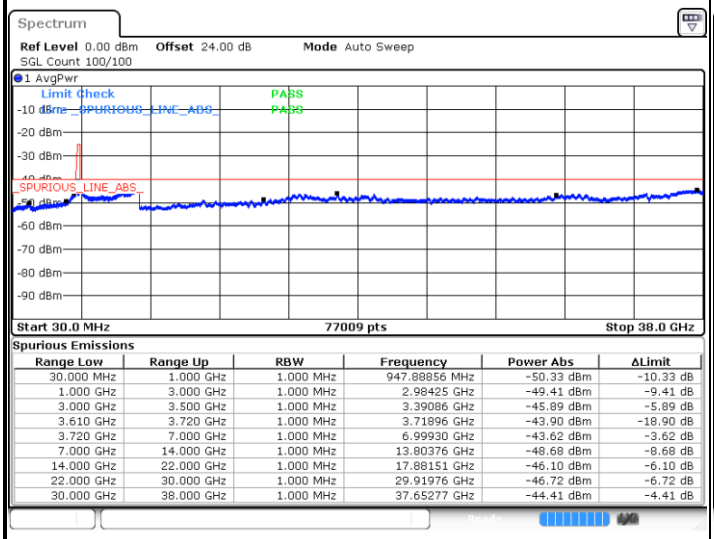
Date: 6.AUG.2020 06:28:19

N/A

LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

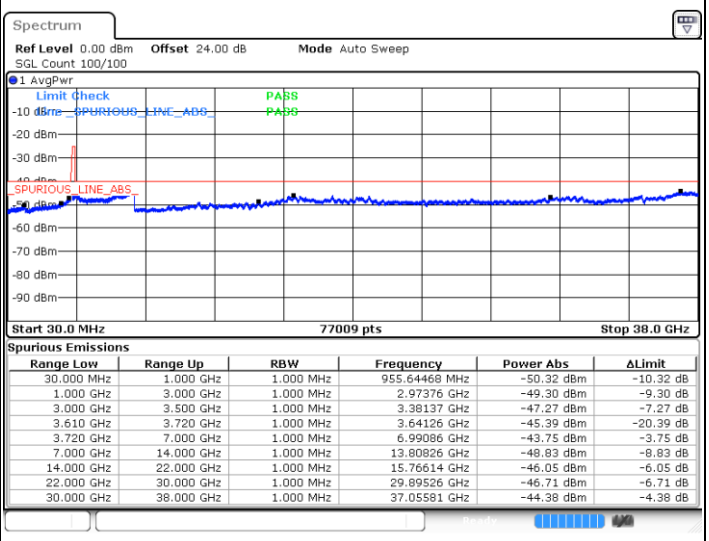


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-50.33 dBm	-10.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98425 GHz	-49.41 dBm	-9.41 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.39086 GHz	-45.89 dBm	-5.89 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.71896 GHz	-43.90 dBm	-18.90 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.99930 GHz	-43.62 dBm	-3.62 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80376 GHz	-48.68 dBm	-8.68 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.88151 GHz	-46.10 dBm	-6.10 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.91976 GHz	-46.72 dBm	-6.72 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.65277 GHz	-44.41 dBm	-4.41 dB

Date: 6.AUG.2020 06:44:00

Lowest Channel / 1RBmax

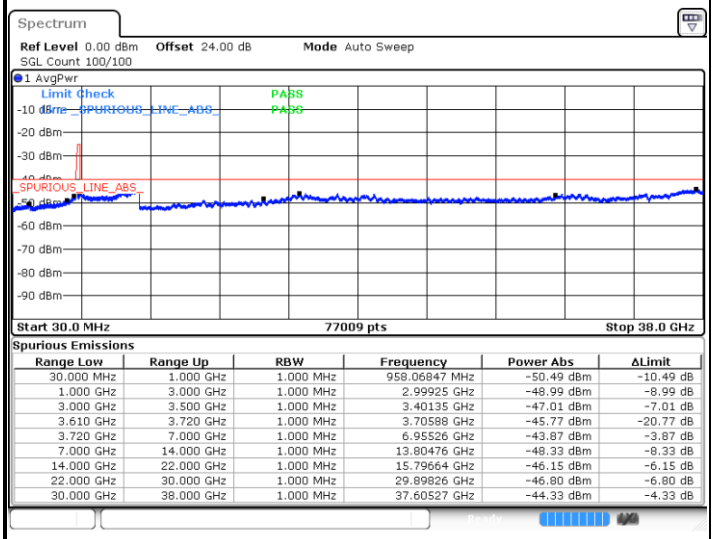


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-50.32 dBm	-10.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97376 GHz	-49.30 dBm	-9.30 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.38137 GHz	-47.27 dBm	-7.27 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.64126 GHz	-45.39 dBm	-20.39 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.99086 GHz	-43.75 dBm	-3.75 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80826 GHz	-48.83 dBm	-8.83 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.76614 GHz	-46.05 dBm	-6.05 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.89526 GHz	-46.71 dBm	-6.71 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.05581 GHz	-44.38 dBm	-4.38 dB

Date: 6.AUG.2020 07:04:06

Lowest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.06847 MHz	-50.49 dBm	-10.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99925 GHz	-48.99 dBm	-8.99 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.40135 GHz	-47.01 dBm	-7.01 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.70588 GHz	-45.77 dBm	-20.77 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.95526 GHz	-43.87 dBm	-3.87 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80476 GHz	-48.33 dBm	-8.33 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.79664 GHz	-46.15 dBm	-6.15 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.89826 GHz	-46.80 dBm	-6.80 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.60527 GHz	-44.33 dBm	-4.33 dB

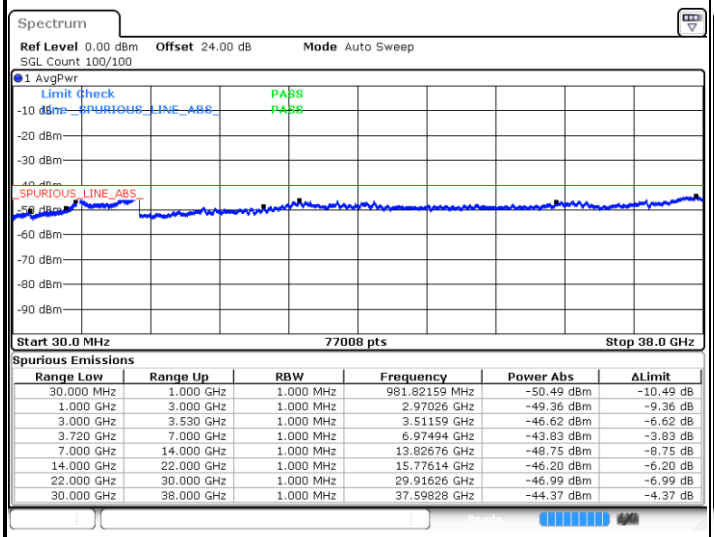
Date: 6.AUG.2020 06:54:03

N/A

LTE Band 48 / 15MHz

64QAM

Middle Channel / 1RB0

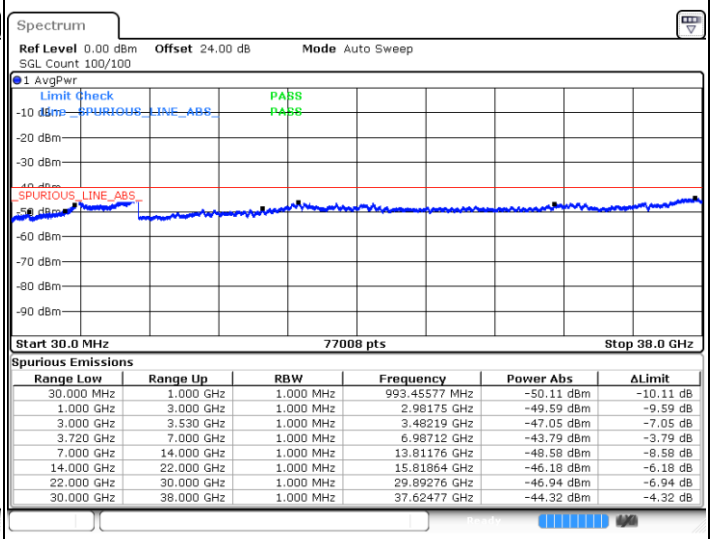


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-50.49 dBm	-10.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97026 GHz	-49.36 dBm	-9.36 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.51159 GHz	-46.62 dBm	-6.62 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.97494 GHz	-43.83 dBm	-3.83 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.82676 GHz	-48.75 dBm	-8.75 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.77614 GHz	-46.20 dBm	-6.20 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.91626 GHz	-46.99 dBm	-6.99 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.59828 GHz	-44.37 dBm	-4.37 dB

Date: 6.AUG.2020 06:45:06

Middle Channel / 1RBmax

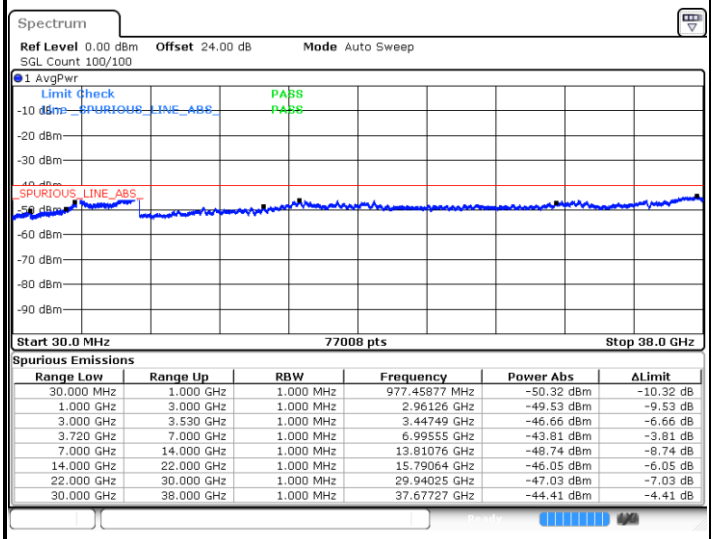


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-50.11 dBm	-10.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98175 GHz	-49.59 dBm	-9.59 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.48219 GHz	-47.05 dBm	-7.05 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.98712 GHz	-43.79 dBm	-3.79 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.81176 GHz	-48.58 dBm	-8.58 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.81864 GHz	-46.18 dBm	-6.18 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.89276 GHz	-46.94 dBm	-6.94 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.62477 GHz	-44.32 dBm	-4.32 dB

Date: 6.AUG.2020 07:05:13

Middle Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-50.32 dBm	-10.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96126 GHz	-49.53 dBm	-9.53 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.44749 GHz	-46.66 dBm	-6.66 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.99555 GHz	-43.81 dBm	-3.81 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.81076 GHz	-48.74 dBm	-8.74 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.79064 GHz	-46.05 dBm	-6.05 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.94025 GHz	-47.03 dBm	-7.03 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.67727 GHz	-44.41 dBm	-4.41 dB

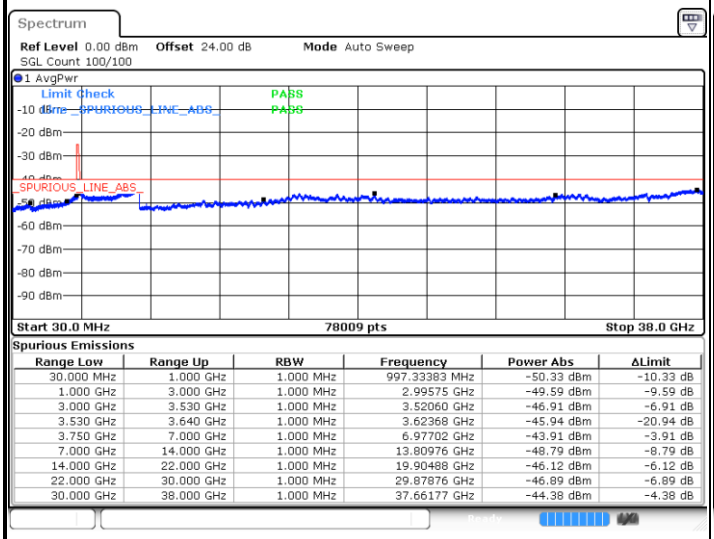
Date: 6.AUG.2020 06:55:10

N/A

LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

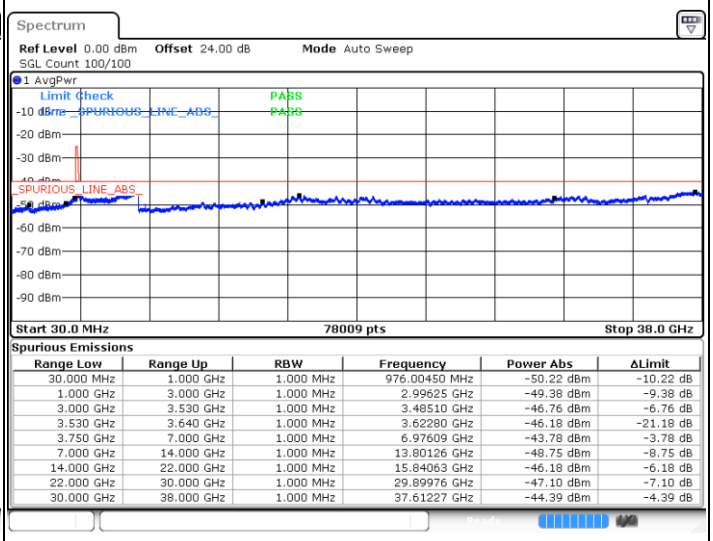


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-50.33 dBm	-10.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99575 GHz	-49.59 dBm	-9.59 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.52060 GHz	-46.91 dBm	-6.91 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.62368 GHz	-45.94 dBm	-20.94 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97702 GHz	-43.91 dBm	-3.91 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80976 GHz	-48.79 dBm	-8.79 dB
14.000 GHz	22.000 GHz	1.000 MHz	19.90488 GHz	-46.12 dBm	-6.12 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.87876 GHz	-46.89 dBm	-6.89 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.66177 GHz	-44.38 dBm	-4.38 dB

Date: 6.AUG.2020 06:50:42

Highest Channel / 1RBmax

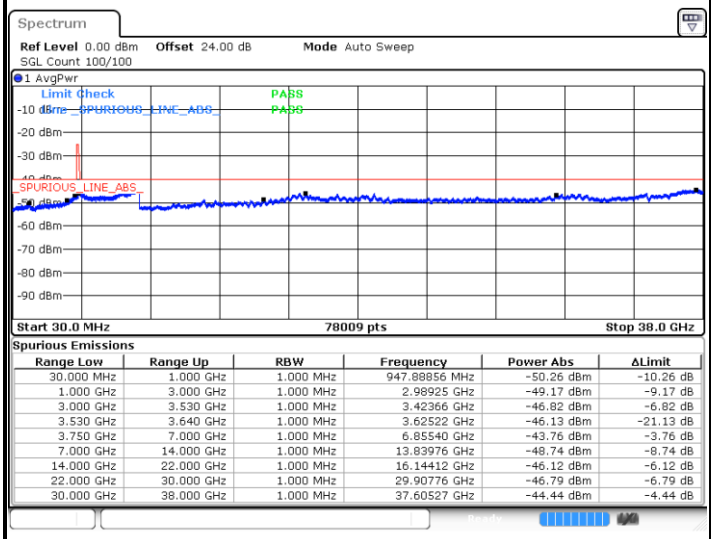


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-50.22 dBm	-10.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99625 GHz	-49.38 dBm	-9.38 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.48510 GHz	-46.76 dBm	-6.76 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.62280 GHz	-46.18 dBm	-21.18 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97609 GHz	-43.78 dBm	-3.78 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80126 GHz	-48.75 dBm	-8.75 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.84063 GHz	-46.18 dBm	-6.18 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.89976 GHz	-47.10 dBm	-7.10 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.61227 GHz	-44.39 dBm	-4.39 dB

Date: 6.AUG.2020 07:10:48

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-50.26 dBm	-10.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98925 GHz	-49.17 dBm	-9.17 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.42366 GHz	-46.82 dBm	-6.82 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.62522 GHz	-46.13 dBm	-21.13 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.85540 GHz	-43.76 dBm	-3.76 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.83976 GHz	-48.74 dBm	-8.74 dB
14.000 GHz	22.000 GHz	1.000 MHz	16.14412 GHz	-46.12 dBm	-6.12 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.90776 GHz	-46.79 dBm	-6.79 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.60527 GHz	-44.44 dBm	-4.44 dB

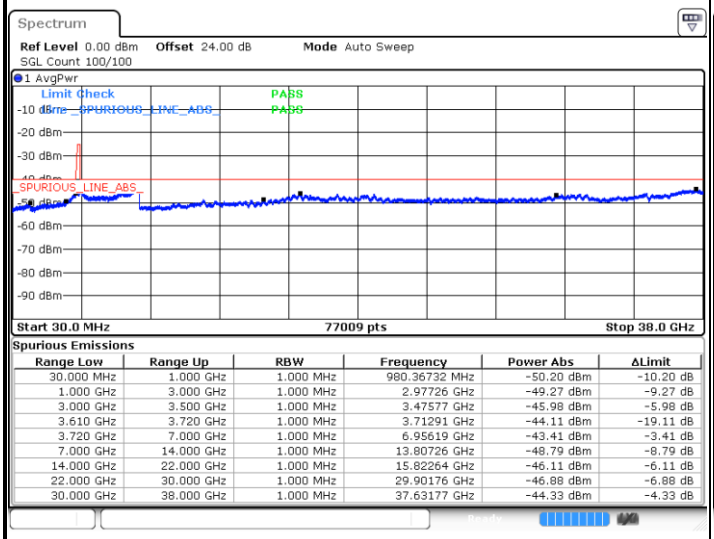
Date: 6.AUG.2020 07:00:45

N/A

LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

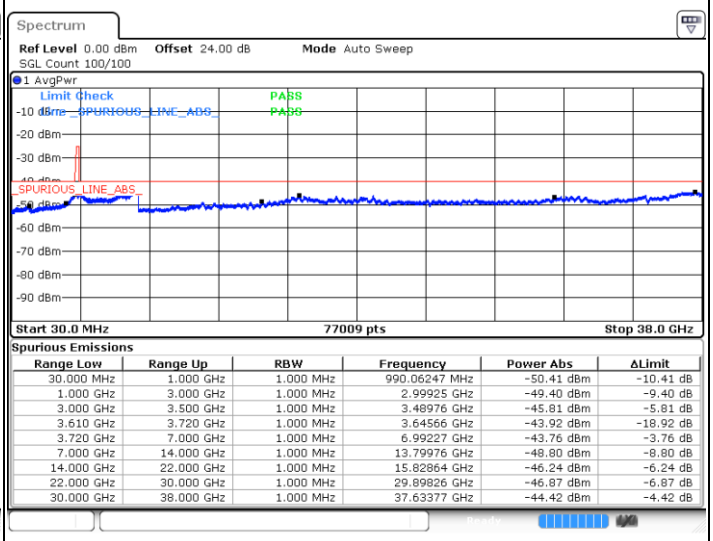


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.36732 MHz	-50.20 dBm	-10.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97726 GHz	-49.27 dBm	-9.27 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47577 GHz	-45.98 dBm	-5.98 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.71291 GHz	-44.11 dBm	-19.11 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.95619 GHz	-43.41 dBm	-3.41 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80726 GHz	-48.79 dBm	-8.79 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.82264 GHz	-46.11 dBm	-6.11 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.90176 GHz	-46.88 dBm	-6.88 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.63177 GHz	-44.33 dBm	-4.33 dB

Date: 6.AUG.2020 07:56:58

Lowest Channel / 1RBmax

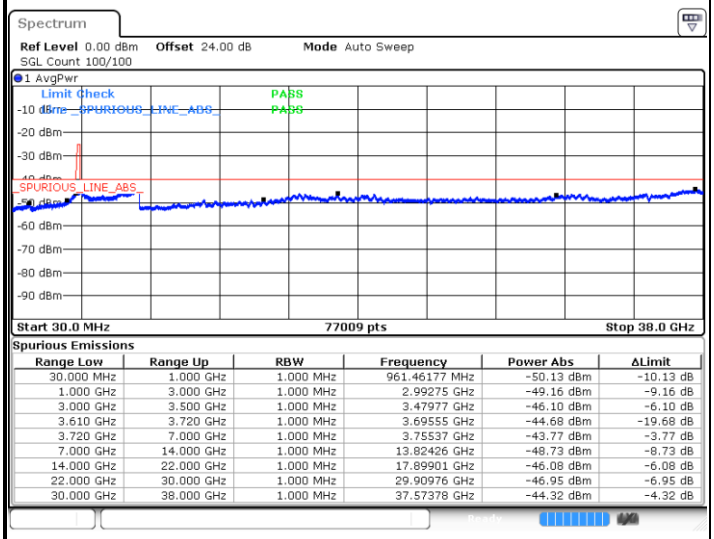


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-50.41 dBm	-10.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99925 GHz	-49.40 dBm	-9.40 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.48976 GHz	-45.81 dBm	-5.81 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.64566 GHz	-43.92 dBm	-18.92 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.99227 GHz	-43.76 dBm	-3.76 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.79976 GHz	-48.80 dBm	-8.80 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.82864 GHz	-46.24 dBm	-6.24 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.89826 GHz	-46.87 dBm	-6.87 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.63377 GHz	-44.42 dBm	-4.42 dB

Date: 6.AUG.2020 08:07:01

Lowest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.46177 MHz	-50.13 dBm	-10.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99275 GHz	-49.16 dBm	-9.16 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47977 GHz	-46.10 dBm	-6.10 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.69555 GHz	-44.68 dBm	-19.68 dB
3.720 GHz	7.000 GHz	1.000 MHz	3.75537 GHz	-43.77 dBm	-3.77 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.82426 GHz	-48.73 dBm	-8.73 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.89901 GHz	-46.08 dBm	-6.08 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.90976 GHz	-46.95 dBm	-6.95 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.57378 GHz	-44.32 dBm	-4.32 dB

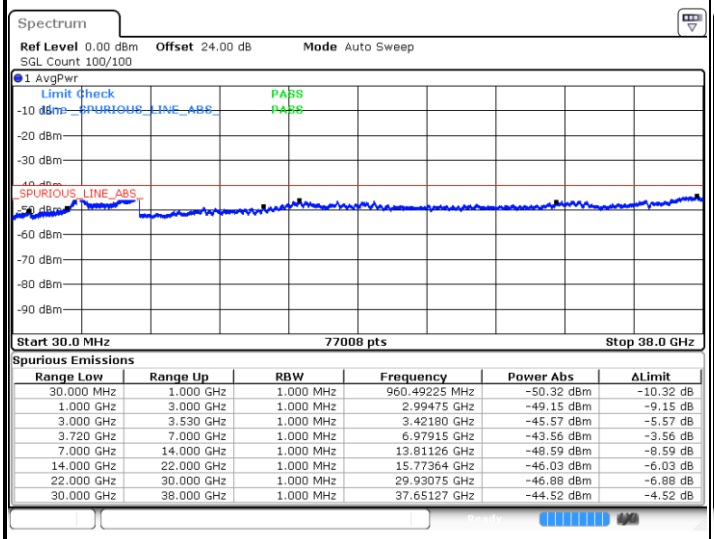
Date: 6.AUG.2020 07:46:56

N/A

LTE Band 48 / 20MHz

64QAM

Middle Channel / 1RB0

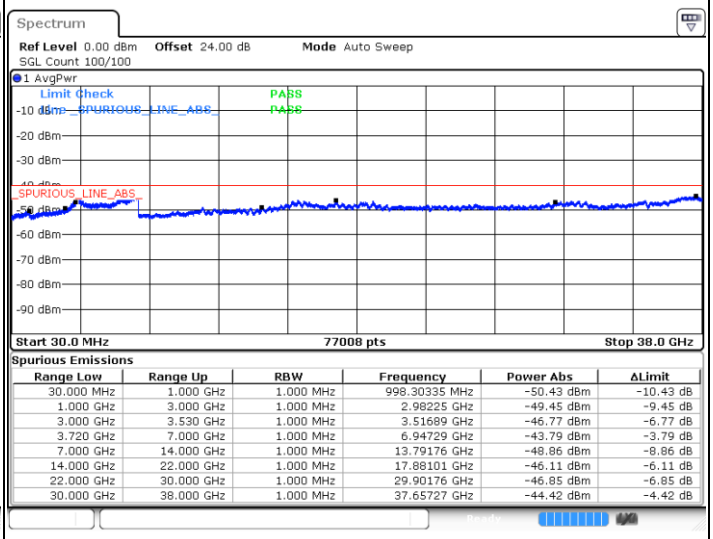


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.49225 MHz	-50.32 dBm	-10.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99475 GHz	-49.15 dBm	-9.15 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.42180 GHz	-45.57 dBm	-5.57 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.97915 GHz	-43.56 dBm	-3.56 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.81126 GHz	-48.59 dBm	-8.59 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.77364 GHz	-46.03 dBm	-6.03 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.93075 GHz	-46.88 dBm	-6.88 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.65127 GHz	-44.52 dBm	-4.52 dB

Date: 6.AUG.2020 08:02:32

Middle Channel / 1RBmax

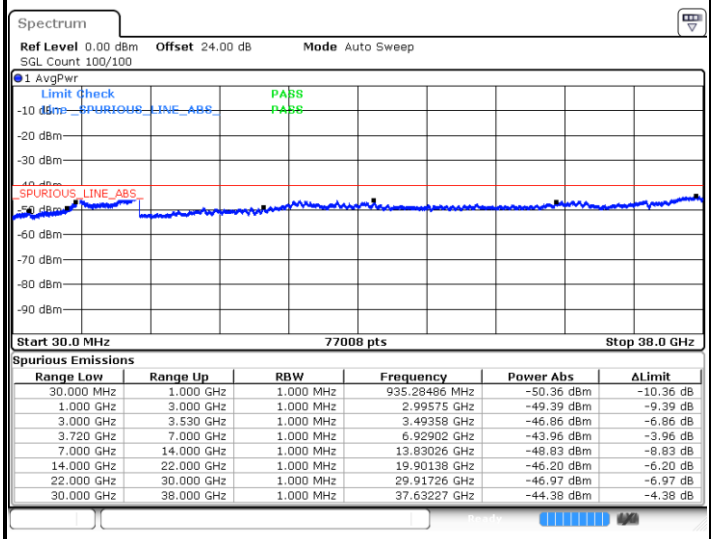


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-50.43 dBm	-10.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98225 GHz	-49.45 dBm	-9.45 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.51689 GHz	-46.77 dBm	-6.77 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.94729 GHz	-43.79 dBm	-3.79 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.79176 GHz	-48.86 dBm	-8.86 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.88101 GHz	-46.11 dBm	-6.11 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.90176 GHz	-46.85 dBm	-6.85 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.65727 GHz	-44.42 dBm	-4.42 dB

Date: 6.AUG.2020 08:12:35

Middle Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-50.36 dBm	-10.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99575 GHz	-49.39 dBm	-9.39 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.49358 GHz	-46.86 dBm	-6.86 dB
3.720 GHz	7.000 GHz	1.000 MHz	6.92902 GHz	-43.96 dBm	-3.96 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.83026 GHz	-48.83 dBm	-8.83 dB
14.000 GHz	22.000 GHz	1.000 MHz	19.90138 GHz	-46.20 dBm	-6.20 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.91726 GHz	-46.97 dBm	-6.97 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.63227 GHz	-44.38 dBm	-4.38 dB

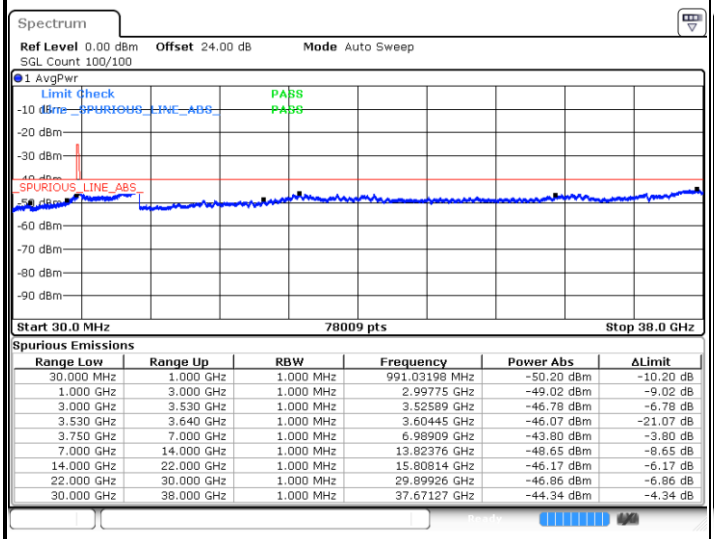
Date: 6.AUG.2020 07:52:29

N/A

LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

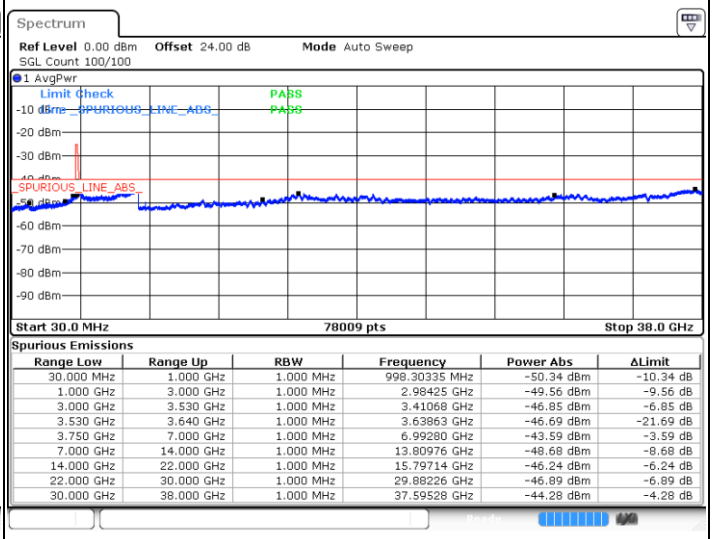


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-50.20 dBm	-10.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99775 GHz	-49.02 dBm	-9.02 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.52589 GHz	-46.78 dBm	-6.78 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.60445 GHz	-46.07 dBm	-21.07 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.98909 GHz	-43.80 dBm	-3.80 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.82376 GHz	-48.65 dBm	-8.65 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.80814 GHz	-46.17 dBm	-6.17 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.89926 GHz	-46.86 dBm	-6.86 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.67127 GHz	-44.34 dBm	-4.34 dB

Date: 6.AUG.2020 08:03:39

Highest Channel / 1RBmax

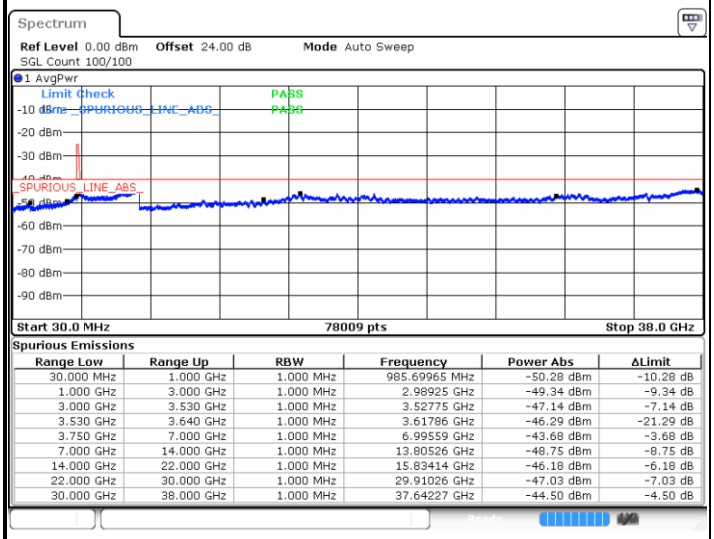


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-50.34 dBm	-10.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98425 GHz	-49.56 dBm	-9.56 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.41068 GHz	-46.85 dBm	-6.85 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.63863 GHz	-46.69 dBm	-21.69 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.99280 GHz	-43.59 dBm	-3.59 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80976 GHz	-48.68 dBm	-8.68 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.79714 GHz	-46.24 dBm	-6.24 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.88226 GHz	-46.89 dBm	-6.89 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.59528 GHz	-44.28 dBm	-4.28 dB

Date: 6.AUG.2020 08:13:42

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.69965 MHz	-50.28 dBm	-10.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98925 GHz	-49.34 dBm	-9.34 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.52775 GHz	-47.14 dBm	-7.14 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.61786 GHz	-46.29 dBm	-21.29 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.99559 GHz	-43.68 dBm	-3.68 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.80526 GHz	-48.75 dBm	-8.75 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.83414 GHz	-46.18 dBm	-6.18 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.91026 GHz	-47.03 dBm	-7.03 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.64227 GHz	-44.50 dBm	-4.50 dB

Date: 6.AUG.2020 07:53:36

N/A

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage = DC 48 V.；Battery End Point (BEP) = DC 36 V.；Maximum Voltage = DC 55 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

<MIMO Mode for Sample 1>

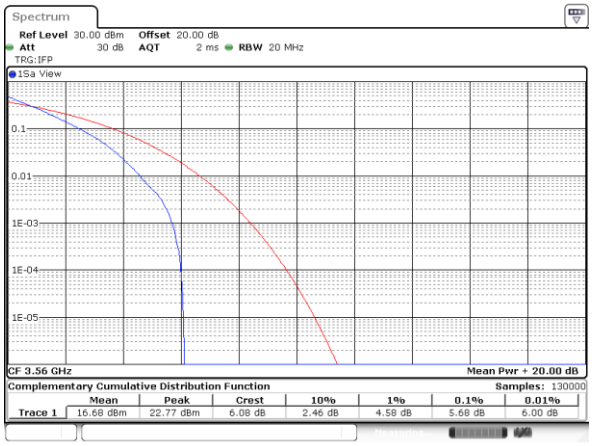
<Ant. 1>

Peak-to-Average Ratio

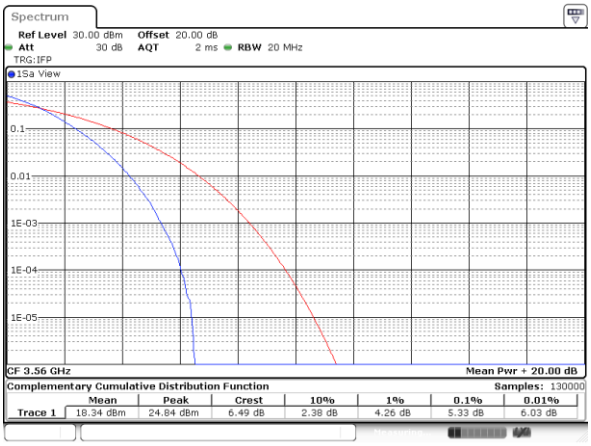
Mode	LTE Band 48 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.68	5.33	6.87	6.20	PASS
Middle CH	6.55	5.22	6.84	6.14	
Highest CH	5.68	5.39	6.84	6.29	
Mode	LTE Band 48 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.52	6.38	-	-	PASS
Middle CH	6.43	6.38	-	-	
Highest CH	6.46	6.41	-	-	

LTE Band 48 / 20MHz / QPSK

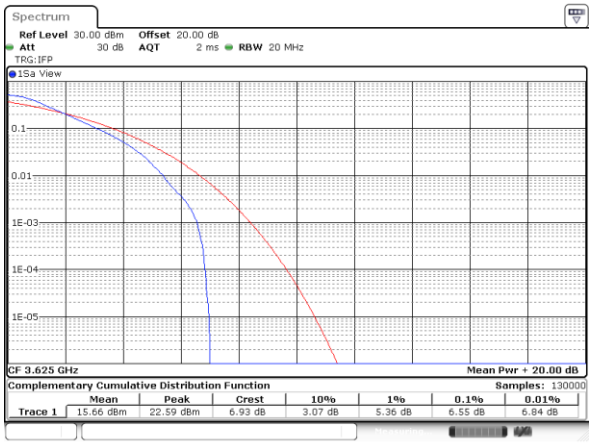
Lowest Channel / 1RB



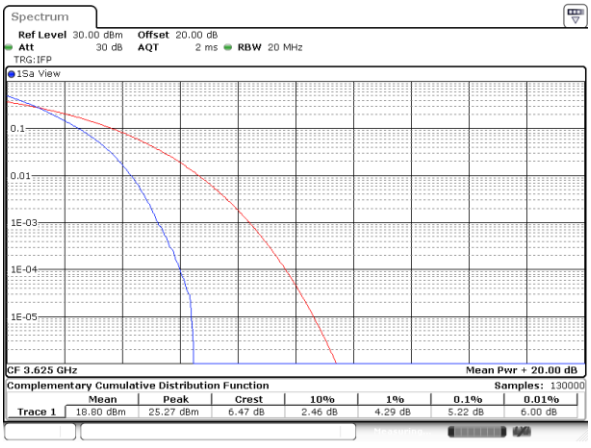
Lowest Channel / Full RB



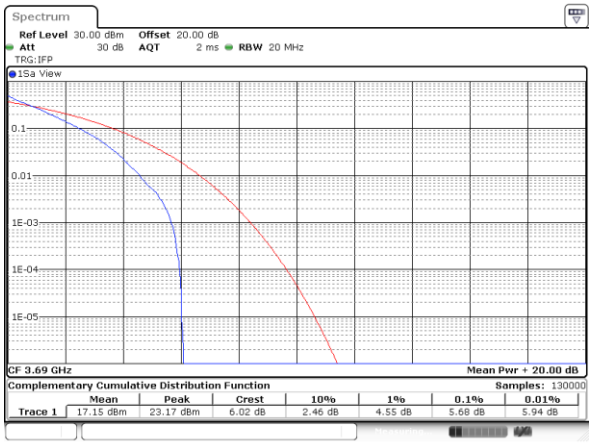
Middle Channel / 1RB



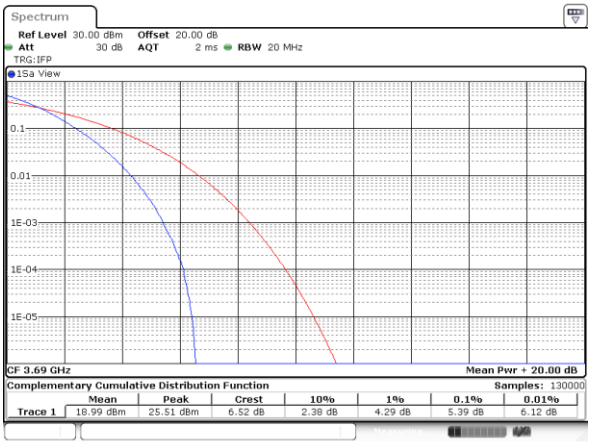
Middle Channel / Full RB



Highest Channel / 1RB

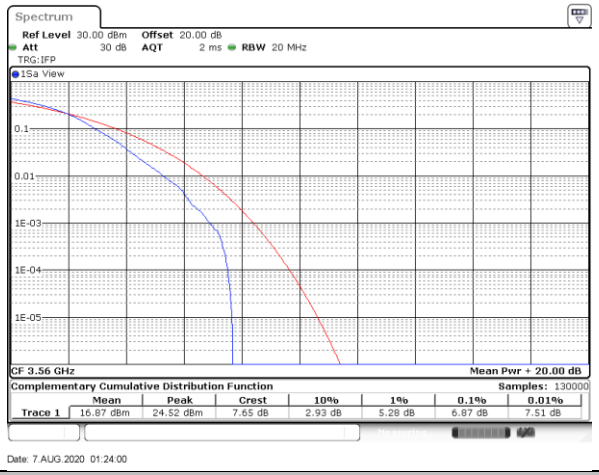


Highest Channel / Full RB

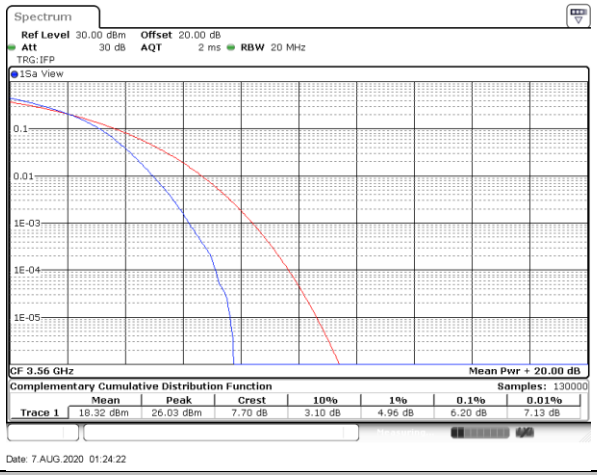


LTE Band 48 / 20MHz / 16QAM

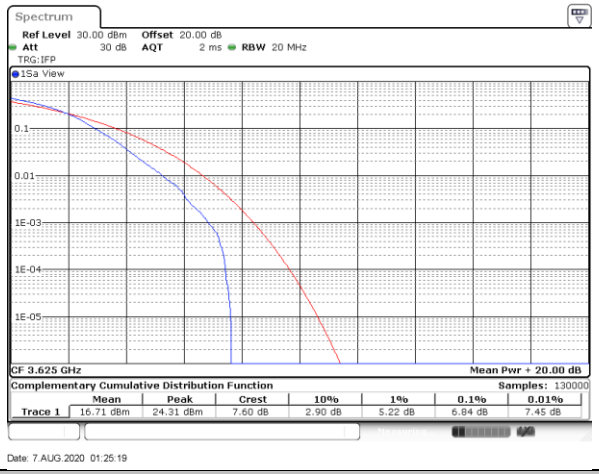
Lowest Channel / 1RB



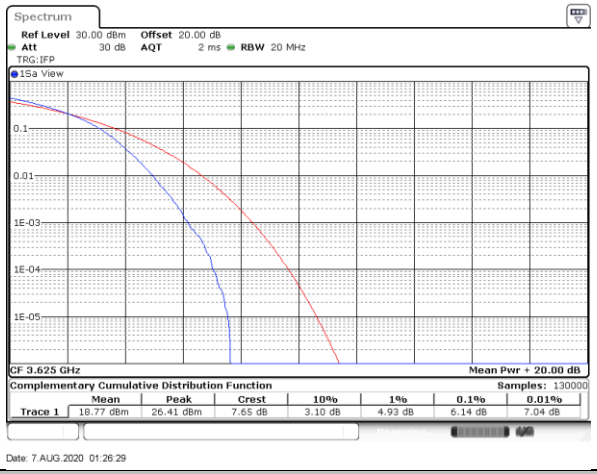
Lowest Channel / Full RB



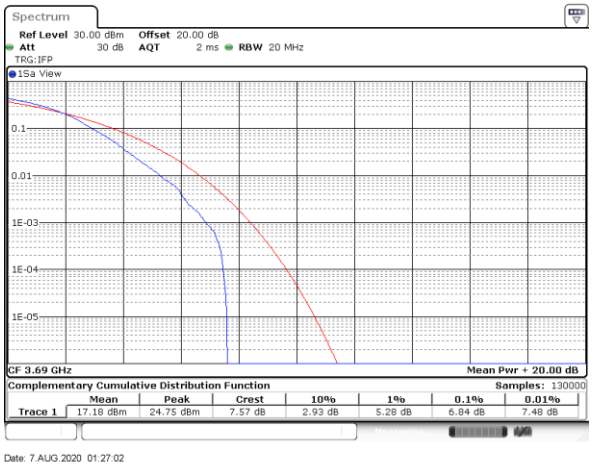
Middle Channel / 1RB



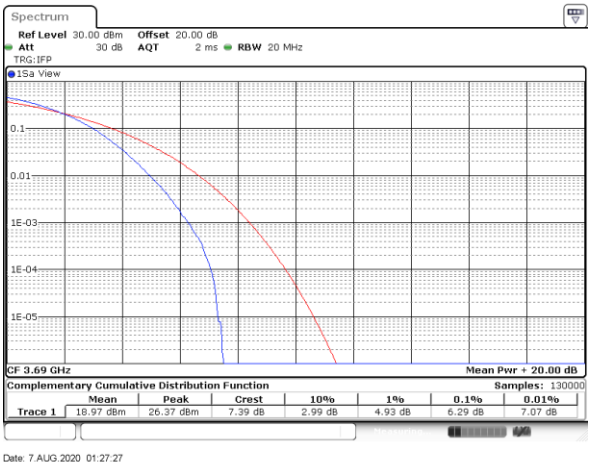
Middle Channel / Full RB



Highest Channel / 1RB

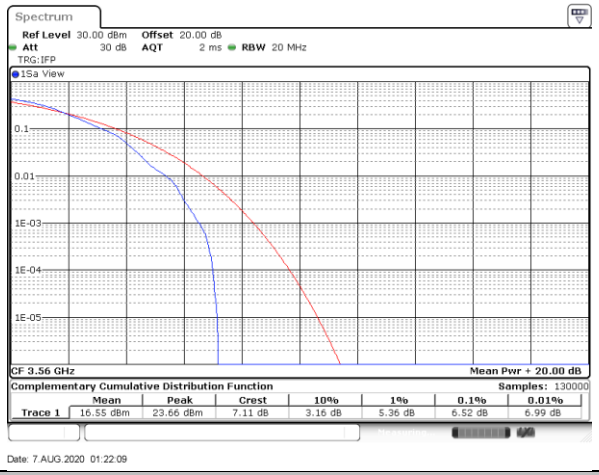


Highest Channel / Full RB

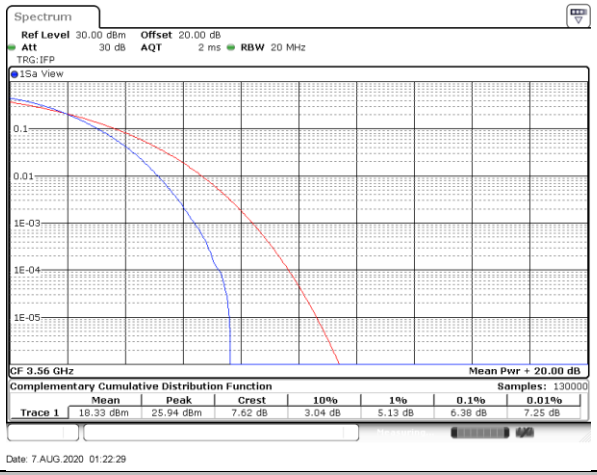


LTE Band 48 / 20MHz / 64QAM

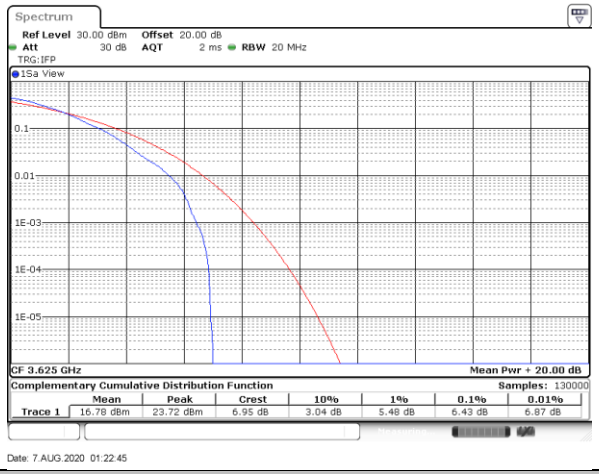
Lowest Channel / 1RB



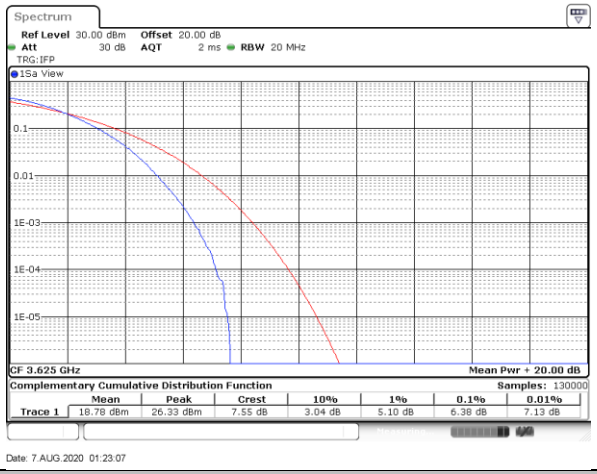
Lowest Channel / Full RB



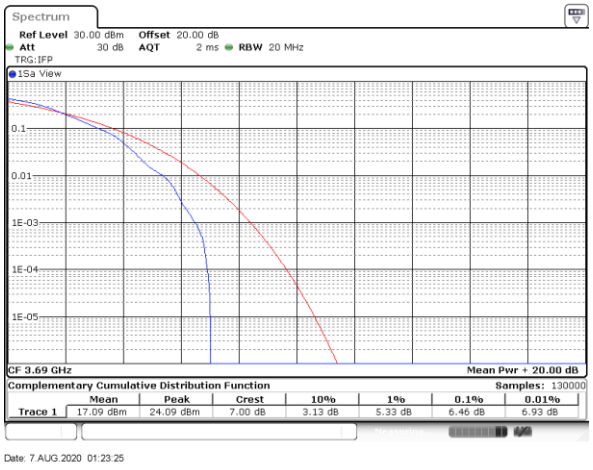
Middle Channel / 1RB



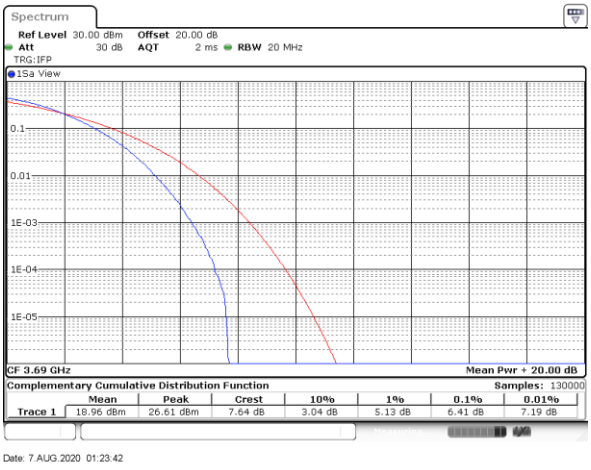
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

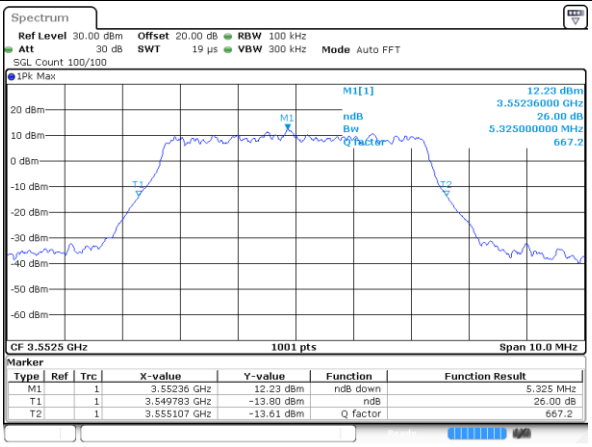


26dB Bandwidth

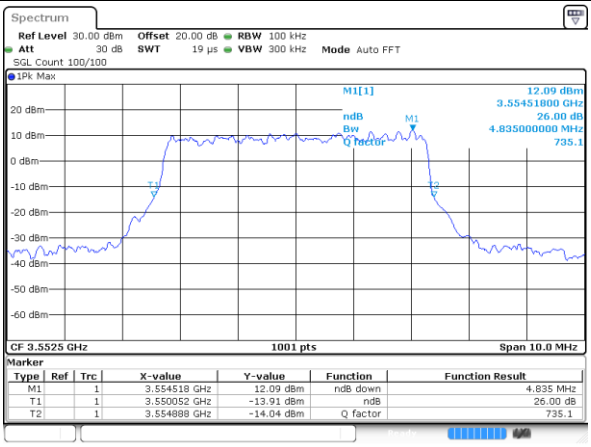
Mode	LTE Band 48 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.33	4.84	9.65	9.83	14.21	14.33	18.86	18.78
Middle CH	-	-	-	-	5.03	5.02	9.69	9.93	14.30	14.09	18.66	18.70
Highest CH	-	-	-	-	5.24	4.86	10.07	9.63	14.30	14.48	18.94	18.74
Mode	LTE Band 48 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	5.04	-	9.73	-	14.24	-	18.86	-
Middle CH	-	-	-	-	4.93	-	9.87	-	14.21	-	19.02	-
Highest CH	-	-	-	-	5.02	-	9.67	-	14.33	-	18.66	-

LTE Band 48

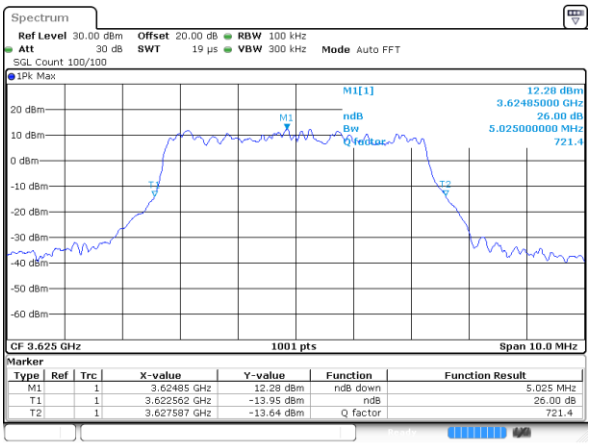
Lowest Channel / 5MHz / QPSK



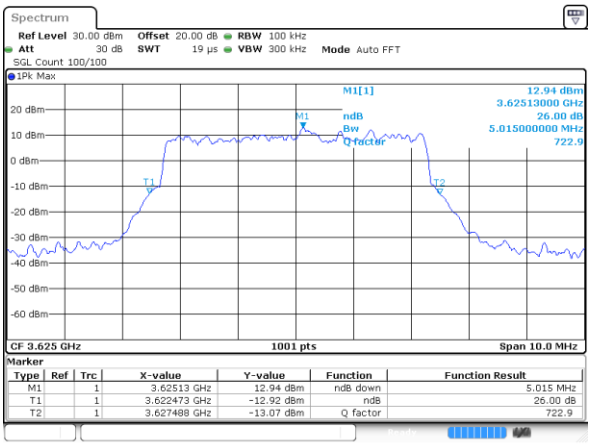
Lowest Channel / 5MHz / 16QAM



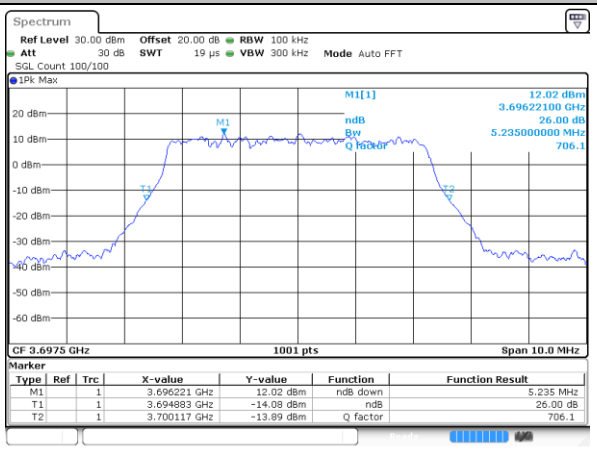
Middle Channel / 5MHz / QPSK



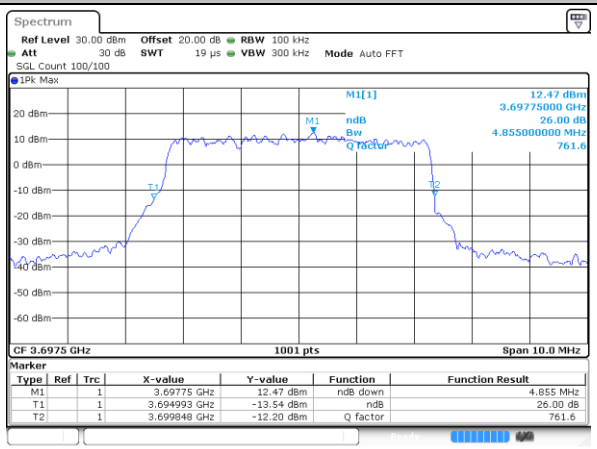
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

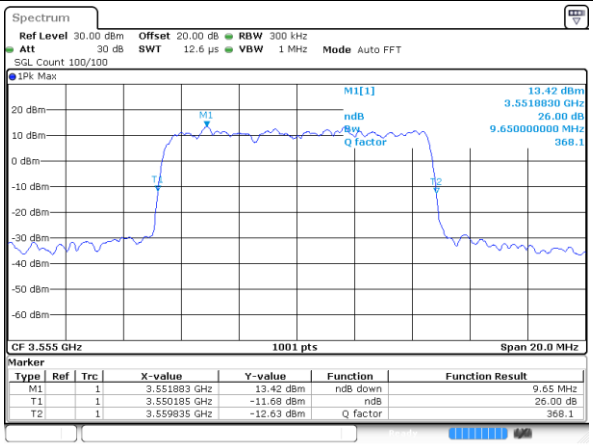


Highest Channel / 5MHz / 16QAM

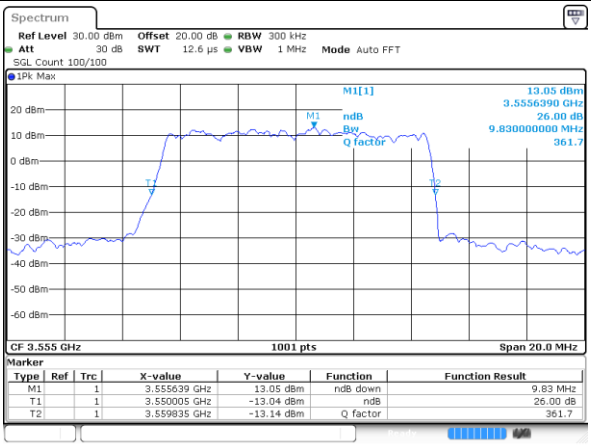


LTE Band 48

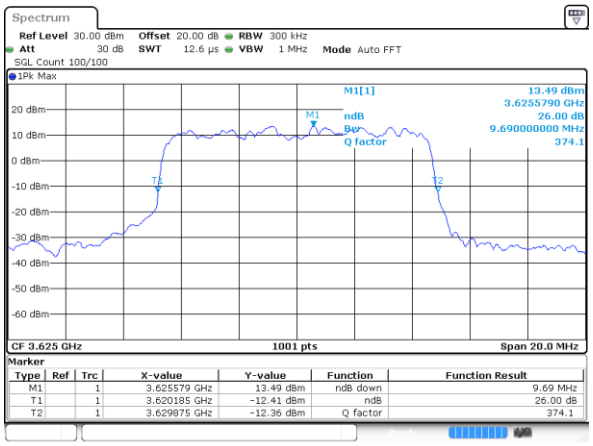
Lowest Channel / 10MHz / QPSK



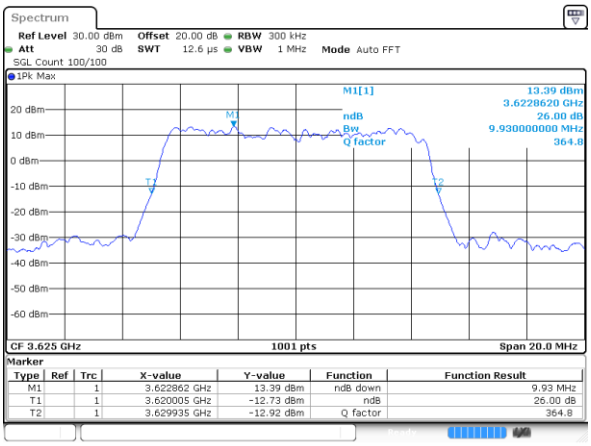
Lowest Channel / 10MHz / 16QAM



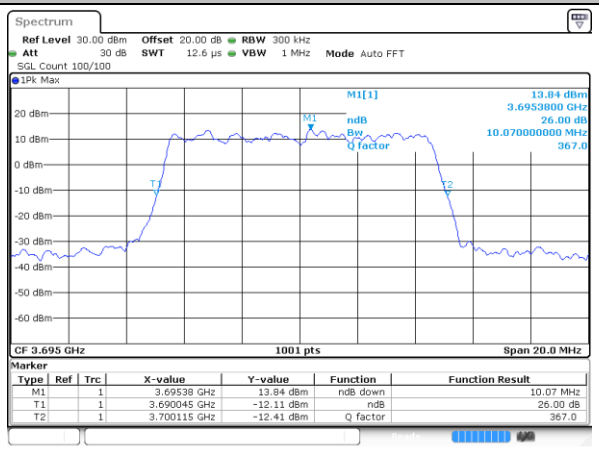
Middle Channel / 10MHz / QPSK



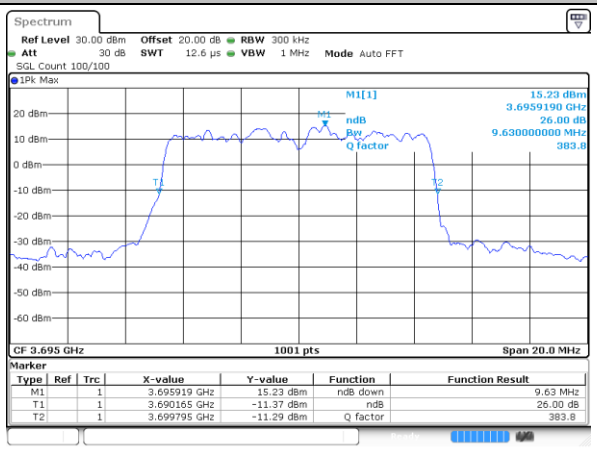
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

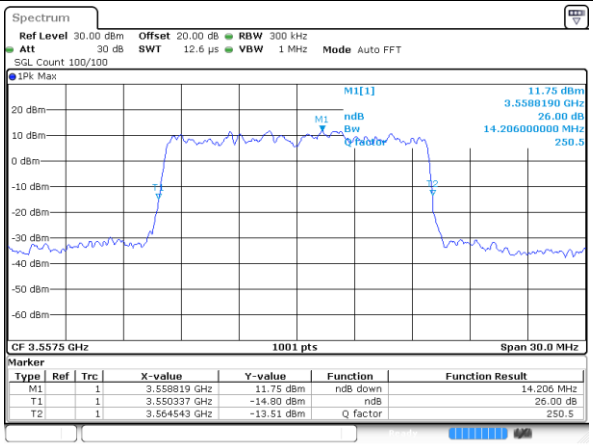


Highest Channel / 10MHz / 16QAM

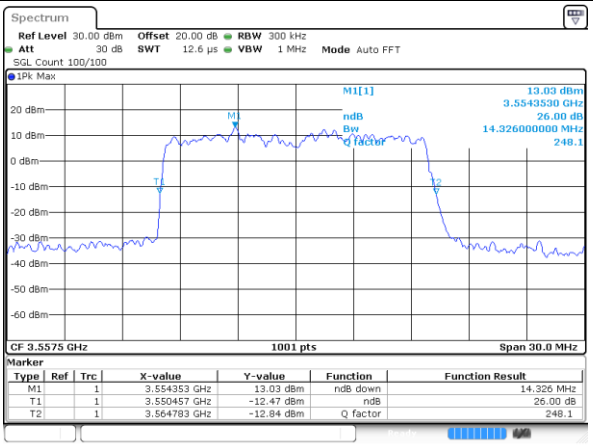


LTE Band 48

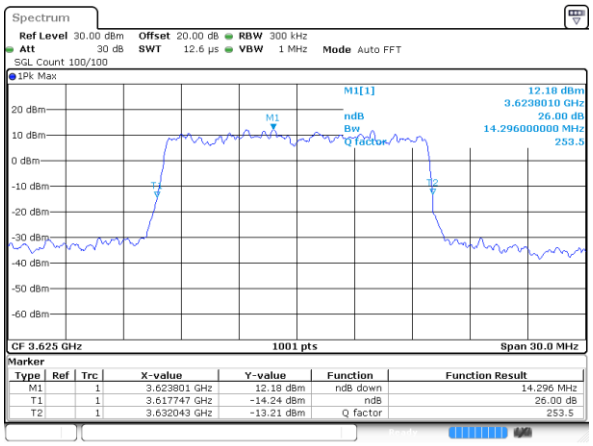
Lowest Channel / 15MHz / QPSK



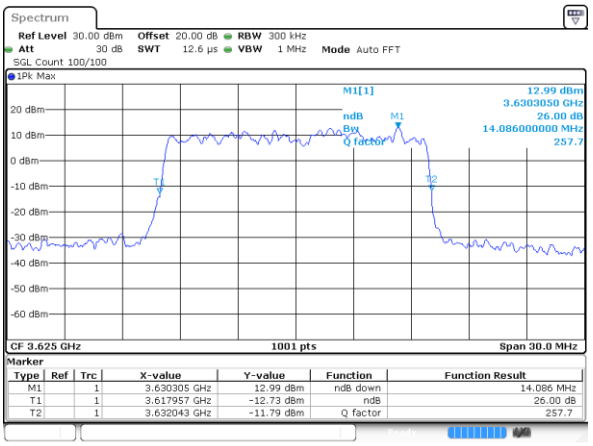
Lowest Channel / 15MHz / 16QAM



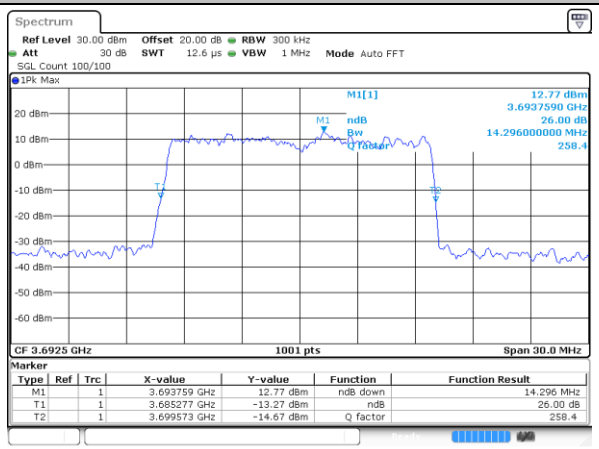
Middle Channel / 15MHz / QPSK



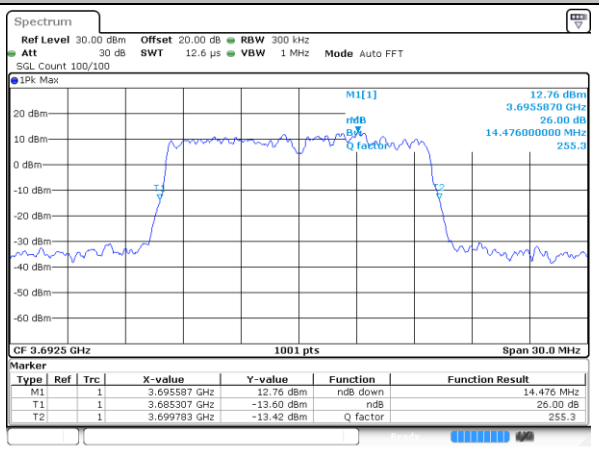
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

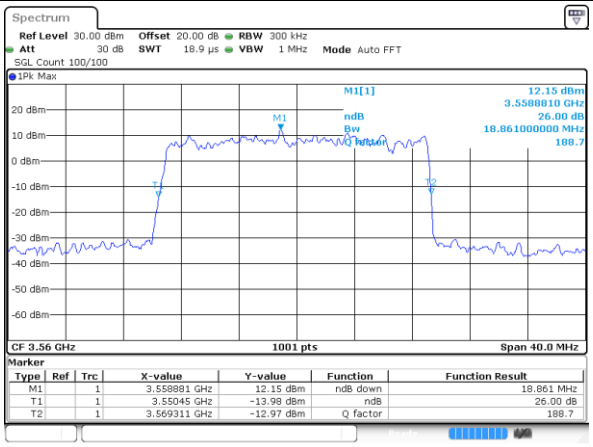


Highest Channel / 15MHz / 16QAM

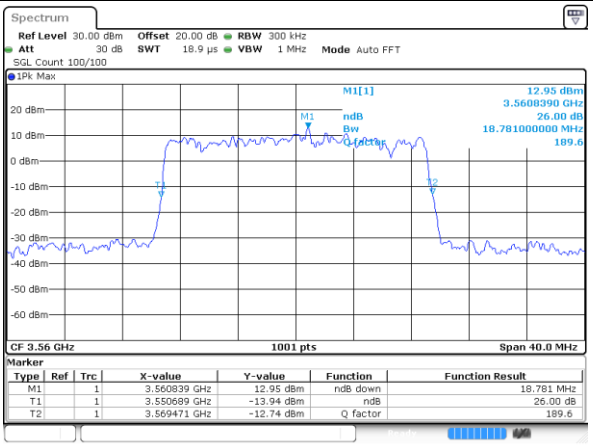


LTE Band 48

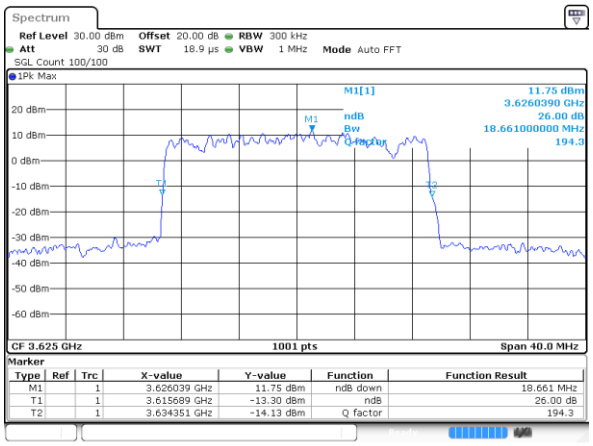
Lowest Channel / 20MHz / QPSK



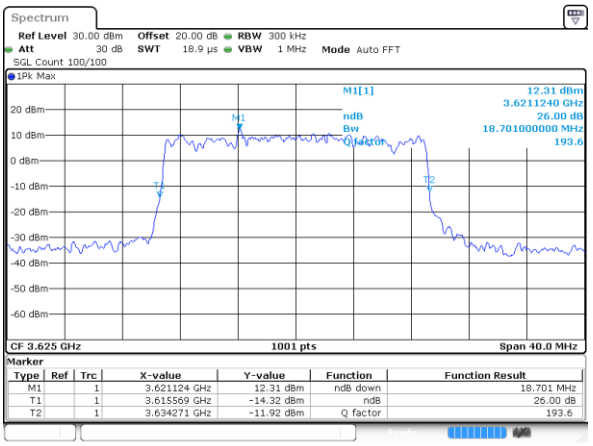
Lowest Channel / 20MHz / 16QAM



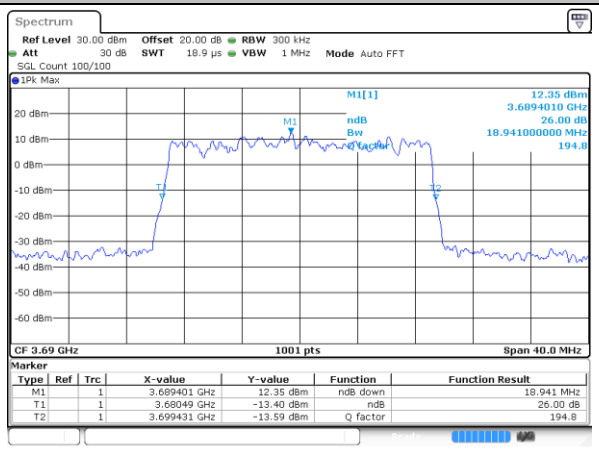
Middle Channel / 20MHz / QPSK



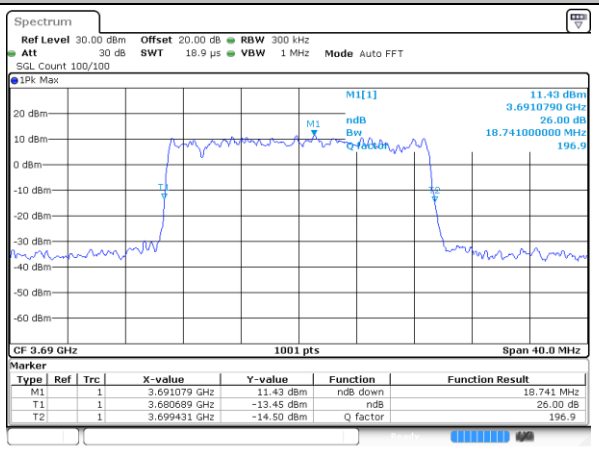
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

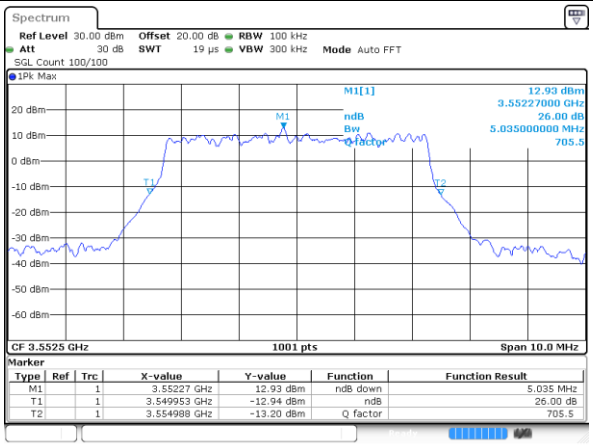


Highest Channel / 20MHz / 16QAM

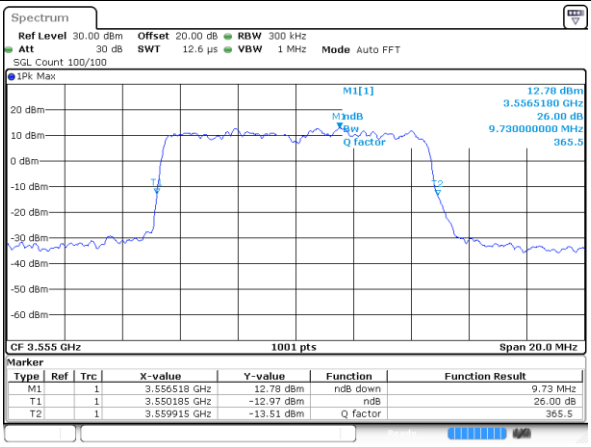


LTE Band 48

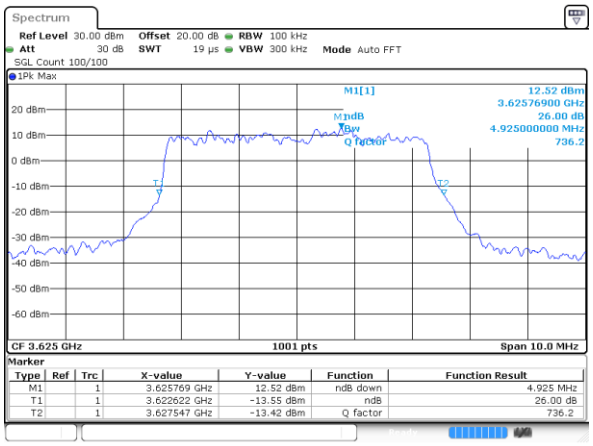
Lowest Channel / 5MHz / 64QAM



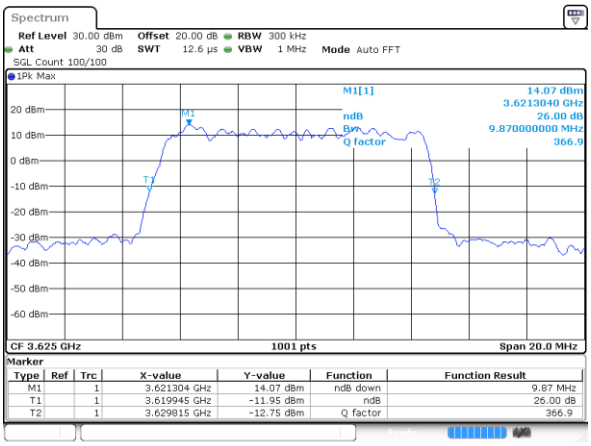
Lowest Channel / 10MHz / 64QAM



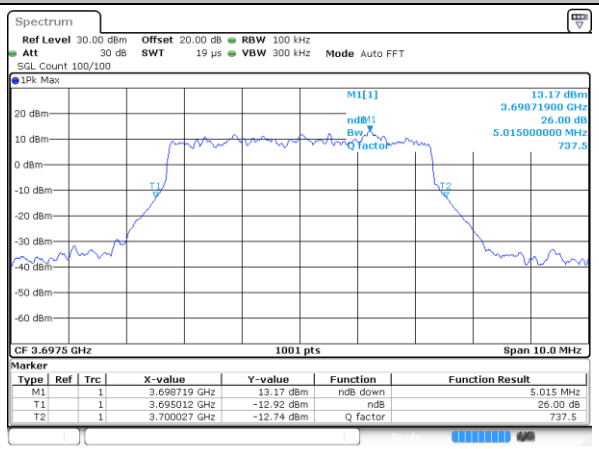
Middle Channel / 5MHz / 64QAM



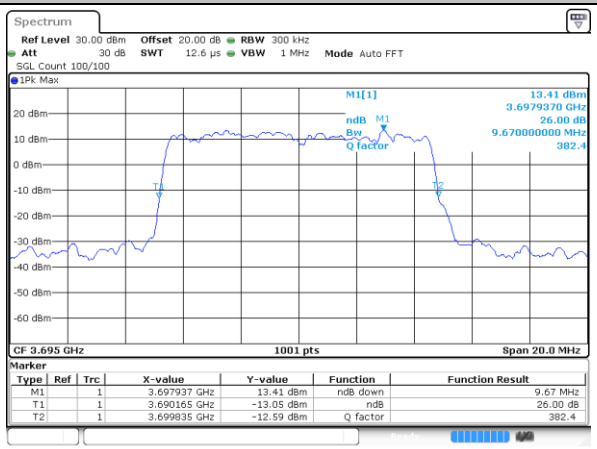
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

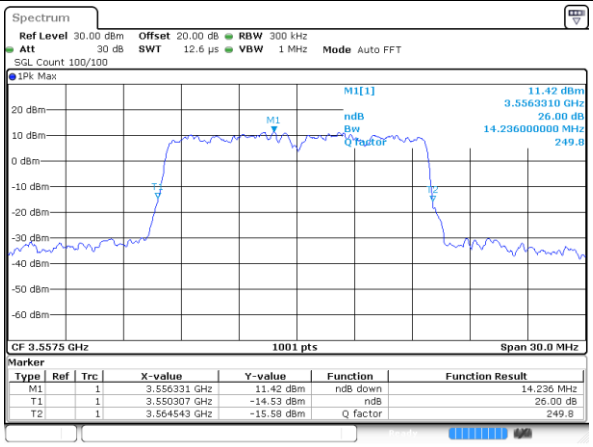


Highest Channel / 10MHz / 64QAM

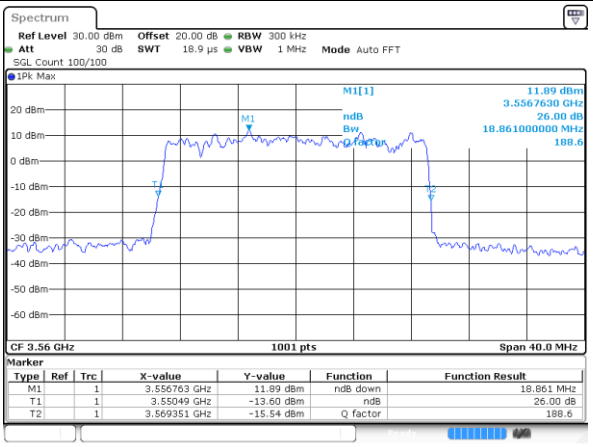


LTE Band 48

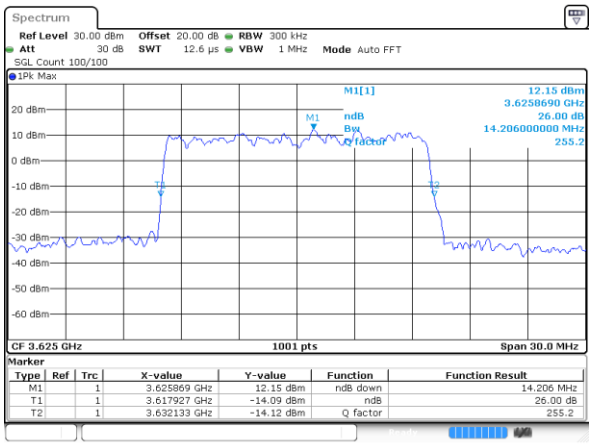
Lowest Channel / 15MHz / 64QAM



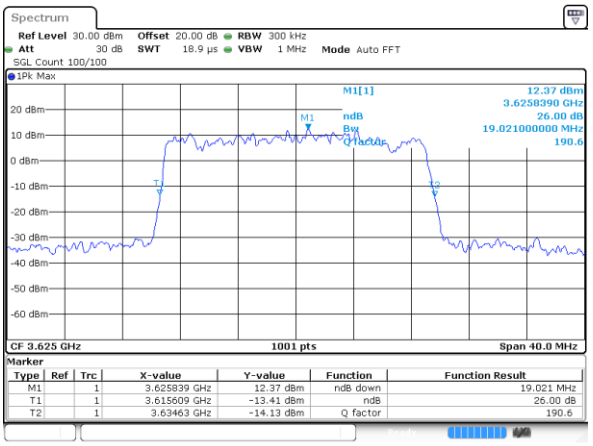
Lowest Channel / 20MHz / 64QAM



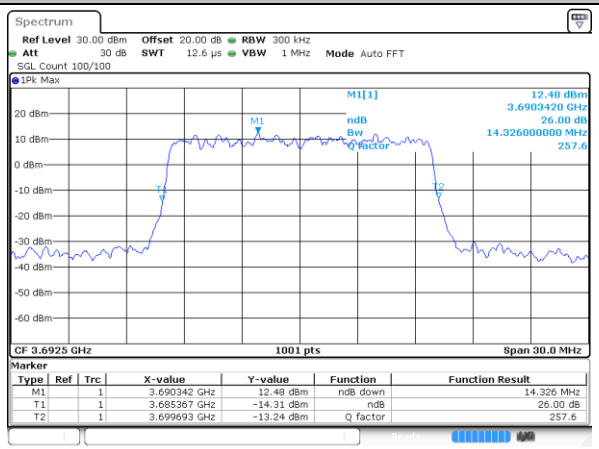
Middle Channel / 15MHz / 64QAM



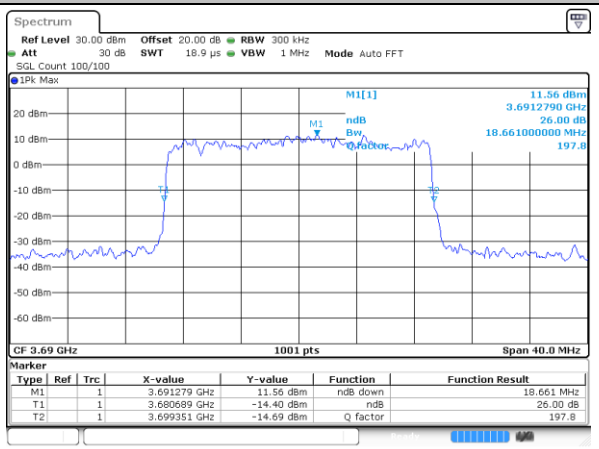
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

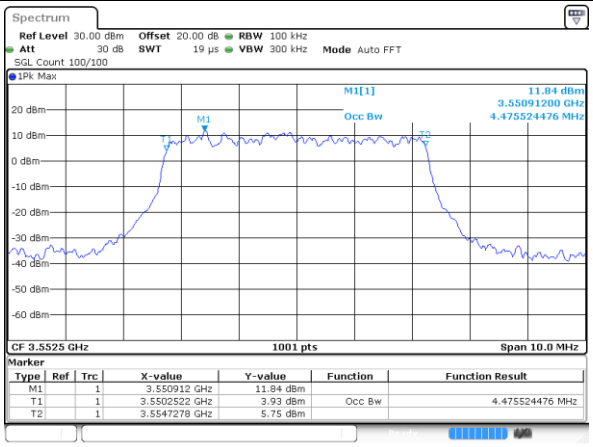


Occupied Bandwidth

Mode	LTE Band 48 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.54	9.03	9.03	13.52	13.49	17.90	17.82
Middle CH	-	-	-	-	4.50	4.49	8.99	9.11	13.40	13.46	17.94	17.90
Highest CH	-	-	-	-	4.48	4.50	9.07	9.05	13.40	13.46	17.94	17.86
Mode	LTE Band 48 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	8.99	-	13.49	-	17.90	-
Middle CH	-	-	-	-	4.49	-	8.97	-	13.43	-	17.90	-
Highest CH	-	-	-	-	4.53	-	9.11	-	13.40	-	17.78	-

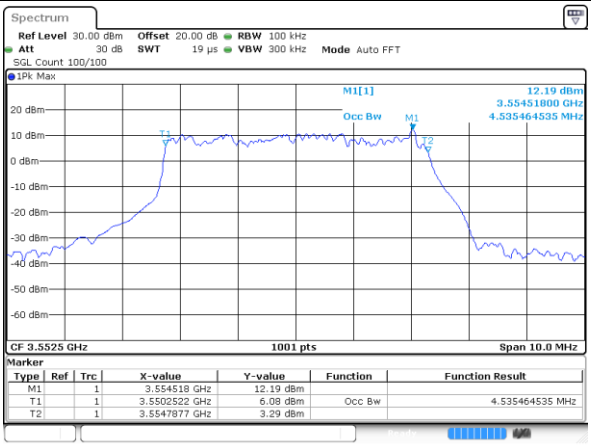
LTE Band 48

Lowest Channel / 5MHz / QPSK



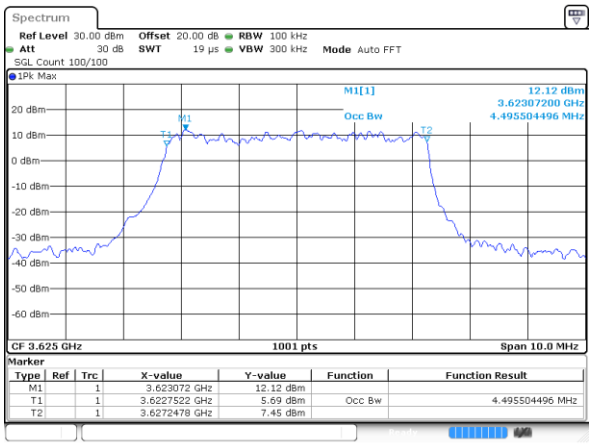
Date: 6.AUG.2020 17:37:28

Lowest Channel / 5MHz / 16QAM



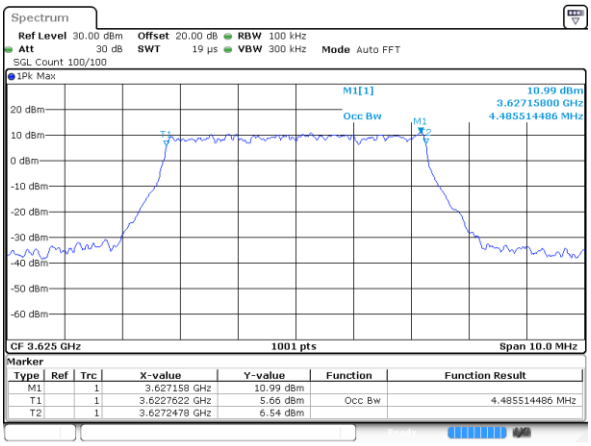
Date: 6.AUG.2020 17:37:40

Middle Channel / 5MHz / QPSK



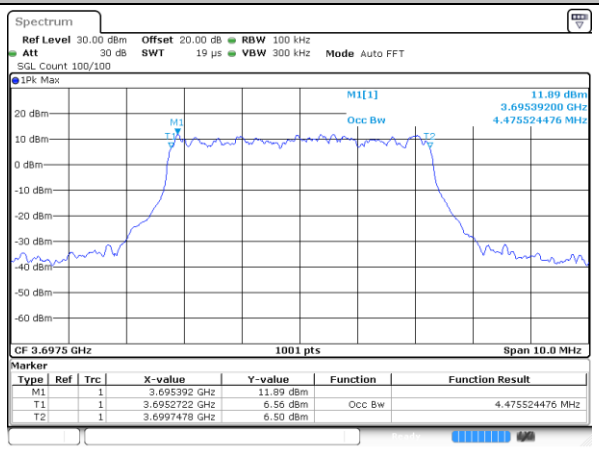
Date: 6.AUG.2020 17:38:16

Middle Channel / 5MHz / 16QAM



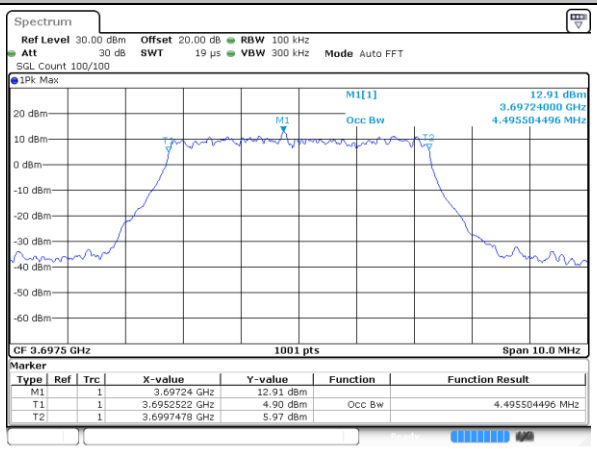
Date: 6.AUG.2020 17:38:28

Highest Channel / 5MHz / QPSK



Date: 6.AUG.2020 17:39:02

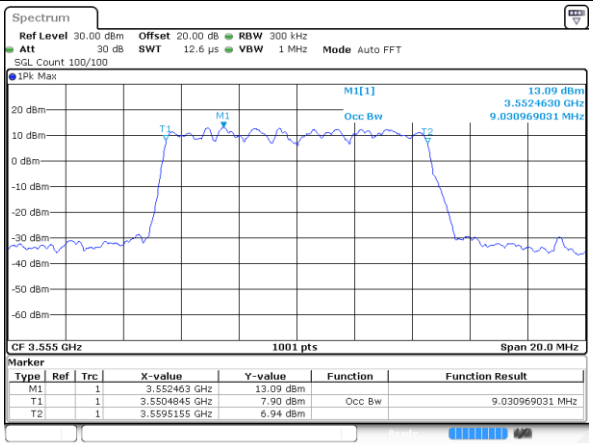
Highest Channel / 5MHz / 16QAM



Date: 6.AUG.2020 17:39:15

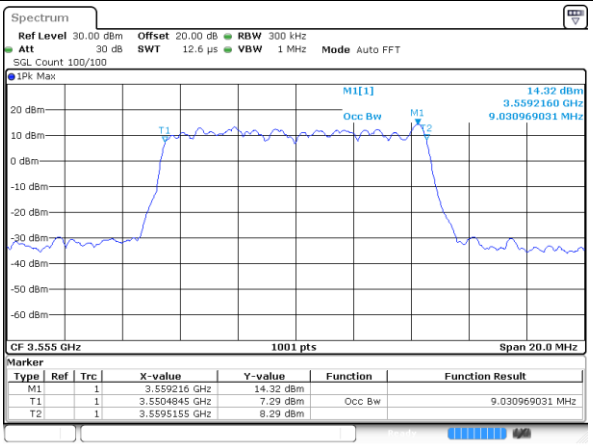
LTE Band 48

Lowest Channel / 10MHz / QPSK



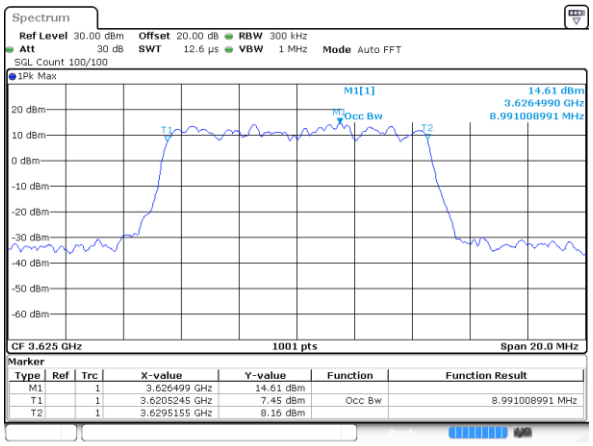
Date: 6.AUG.2020 17:39:52

Lowest Channel / 10MHz / 16QAM



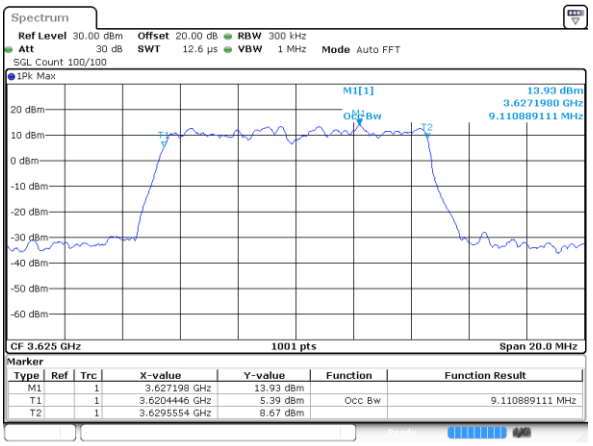
Date: 6.AUG.2020 17:40:04

Middle Channel / 10MHz / QPSK



Date: 6.AUG.2020 17:40:39

Middle Channel / 10MHz / 16QAM



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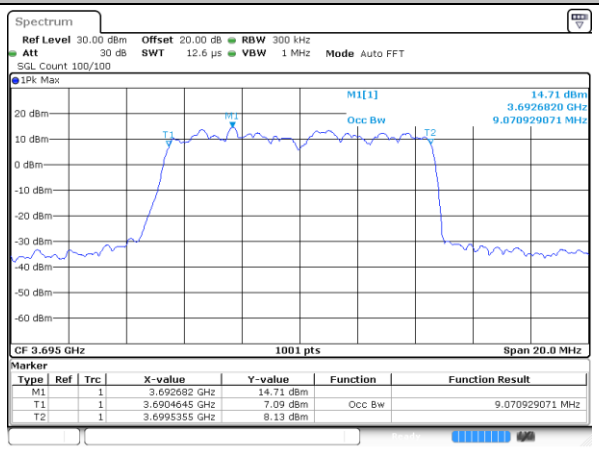
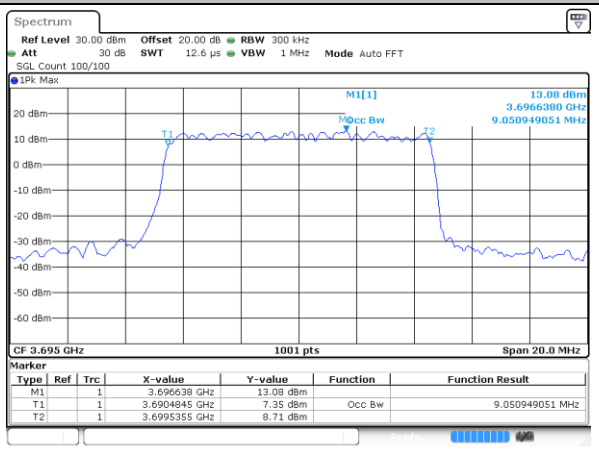
Highest Channel / 10MHz / QPSK



Date: 6.AUG.2020 17:41:26

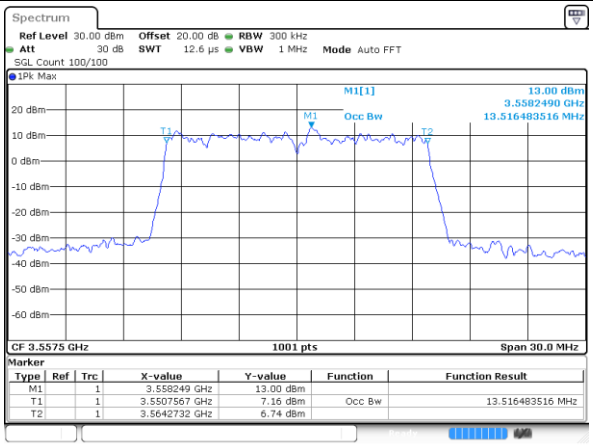
Highest Channel / 10MHz / 16QAM



Date: 6.AUG.2020 17:41:38

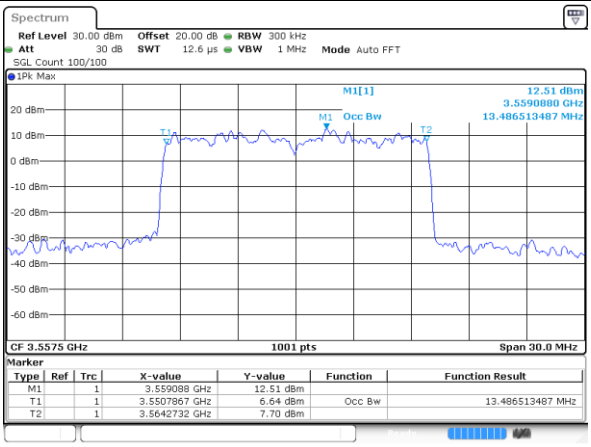
LTE Band 48

Lowest Channel / 15MHz / QPSK



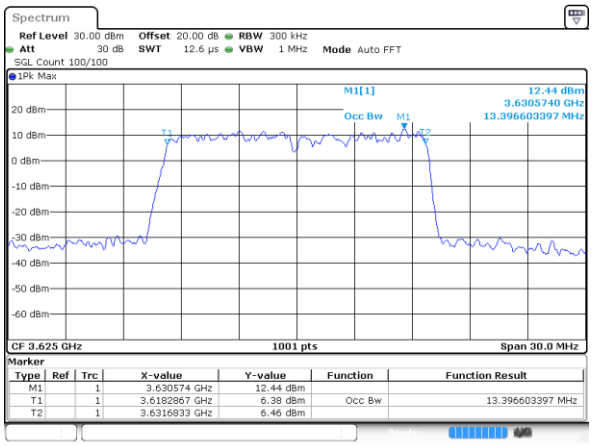
Date: 6.AUG.2020 17:42:15

Lowest Channel / 15MHz / 16QAM



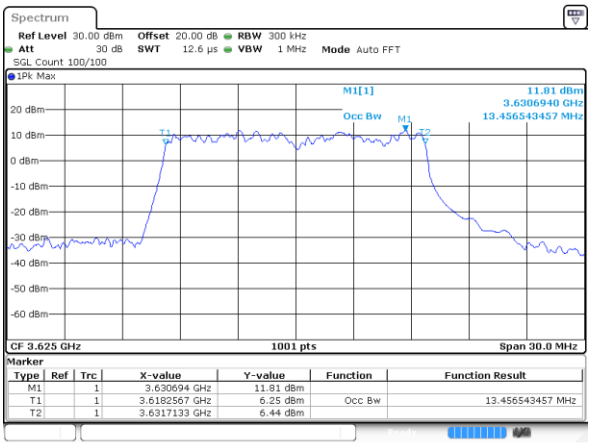
Date: 6.AUG.2020 17:42:27

Middle Channel / 15MHz / QPSK



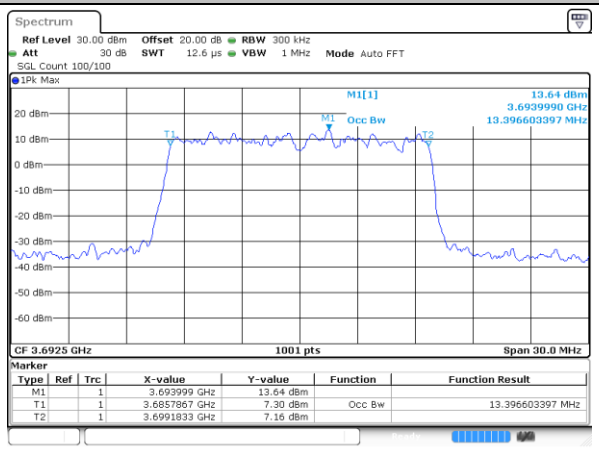
Date: 6.AUG.2020 17:43:02

Middle Channel / 15MHz / 16QAM



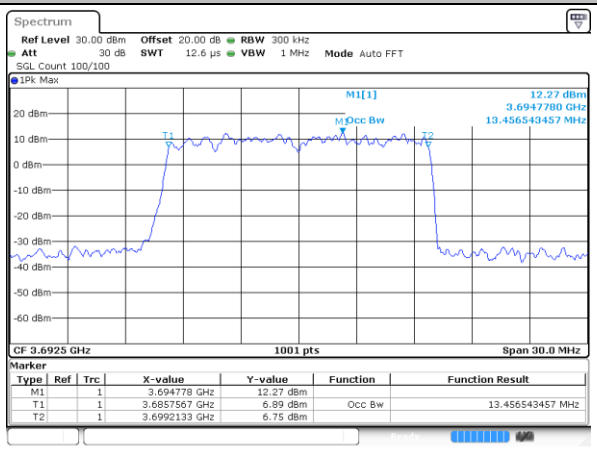
Date: 6.AUG.2020 17:43:14

Highest Channel / 15MHz / QPSK



Date: 6.AUG.2020 17:43:49

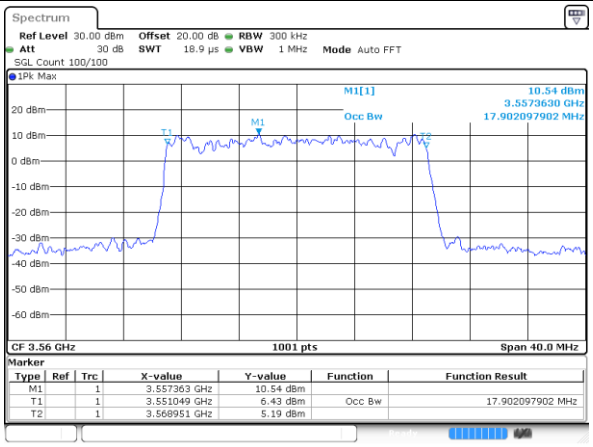
Highest Channel / 15MHz / 16QAM



Date: 6.AUG.2020 17:44:01

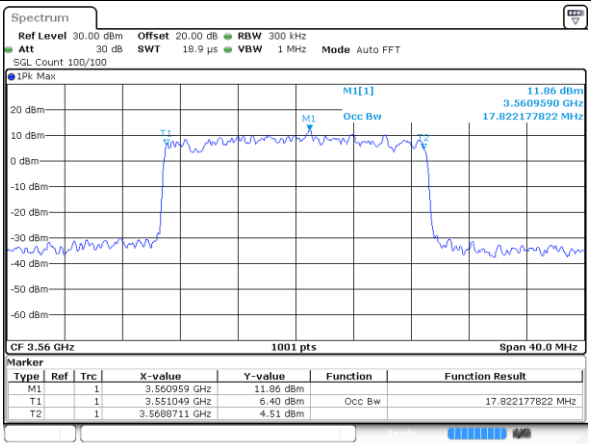
LTE Band 48

Lowest Channel / 20MHz / QPSK



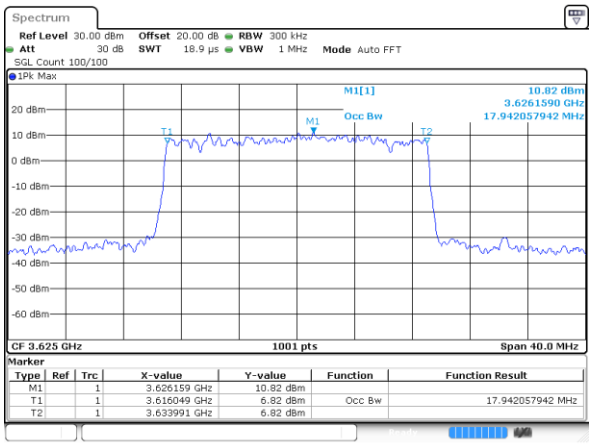
Date: 6.AUG.2020 17:44:38

Lowest Channel / 20MHz / 16QAM



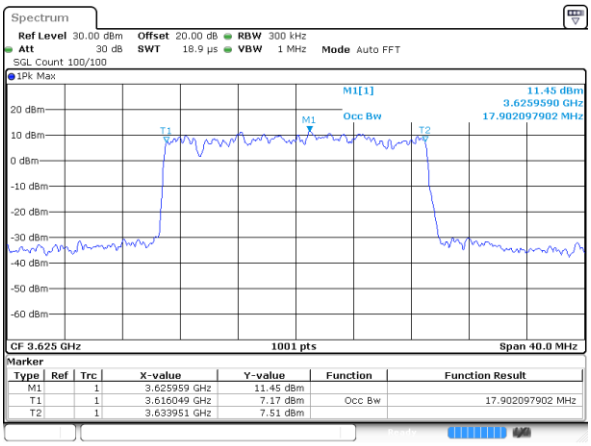
Date: 6.AUG.2020 17:44:50

Middle Channel / 20MHz / QPSK



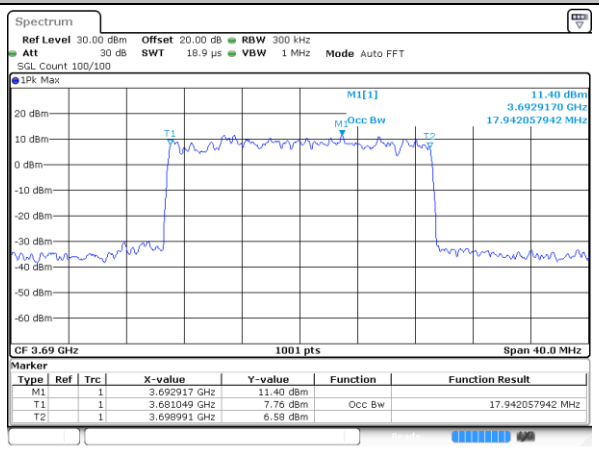
Date: 6.AUG.2020 17:45:26

Middle Channel / 20MHz / 16QAM



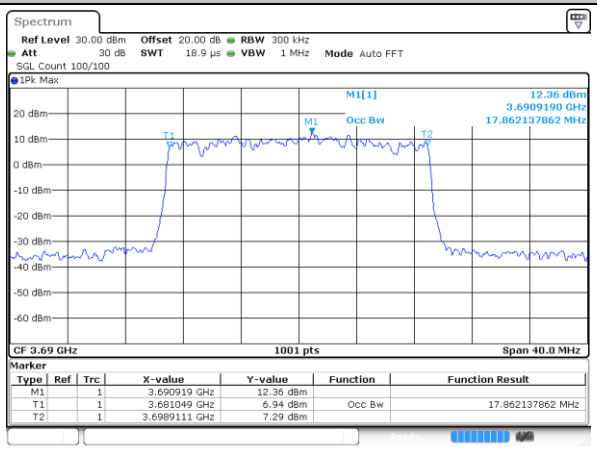
Date: 6.AUG.2020 17:45:37

Highest Channel / 20MHz / QPSK



Date: 6.AUG.2020 17:46:12

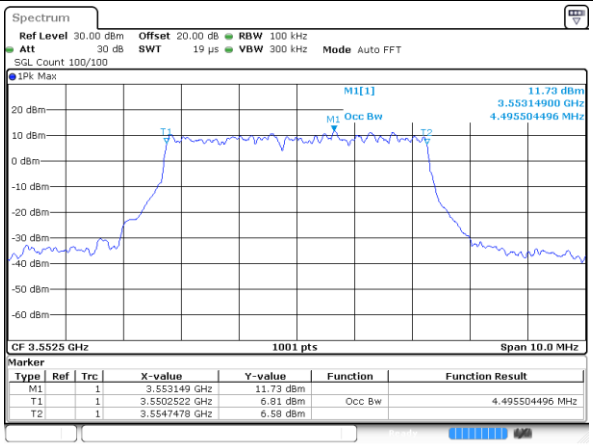
Highest Channel / 20MHz / 16QAM



Date: 6.AUG.2020 17:46:24

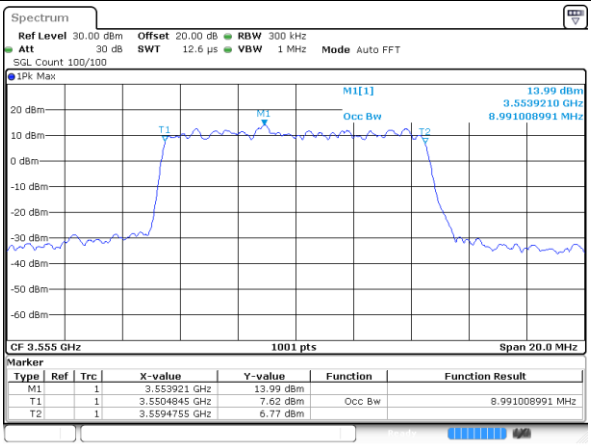
LTE Band 48

Lowest Channel / 5MHz / 64QAM



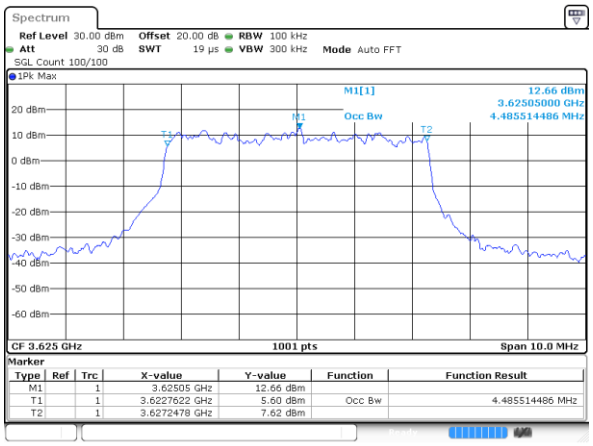
Date: 6.AUG.2020 17:47:00

Lowest Channel / 10MHz / 64QAM



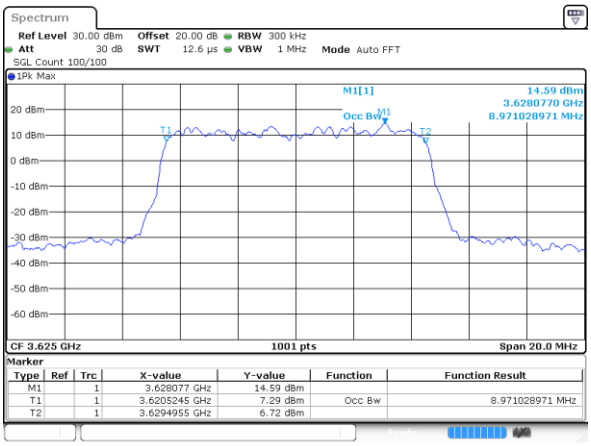
Date: 6.AUG.2020 17:48:12

Middle Channel / 5MHz / 64QAM



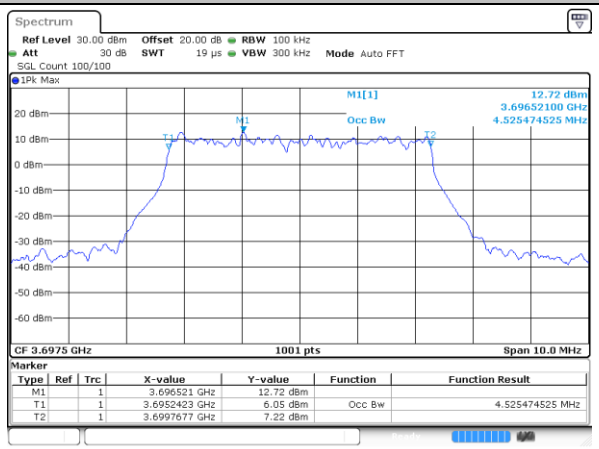
Date: 6.AUG.2020 17:47:24

Middle Channel / 10MHz / 64QAM



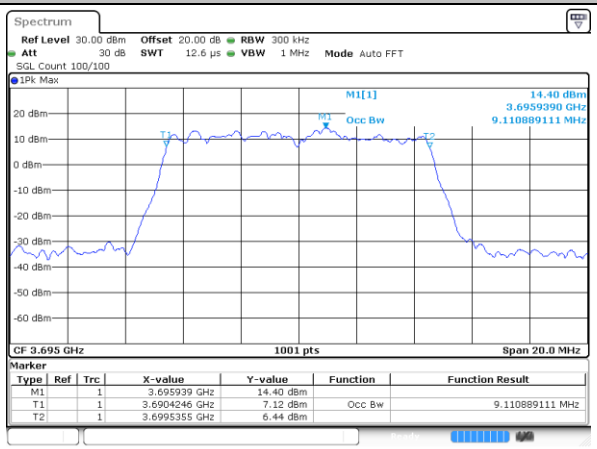
Date: 6.AUG.2020 17:48:35

Highest Channel / 5MHz / 64QAM



Date: 6.AUG.2020 17:47:47

Highest Channel / 10MHz / 64QAM



Date: 6.AUG.2020 17:48:58