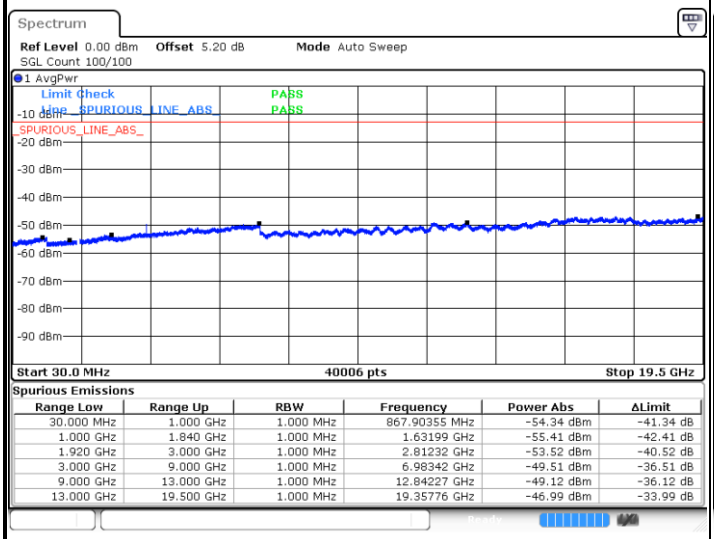
LTE Band 2 / 5MHz

Highest Channel / QPSK

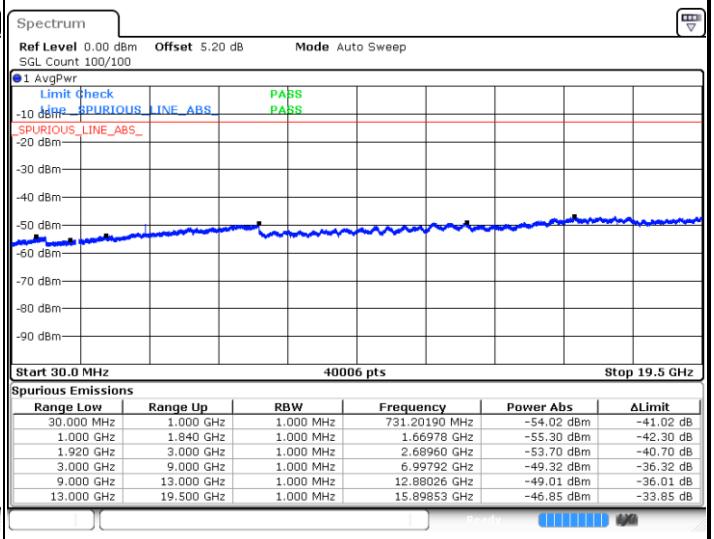


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	867.90355 MHz	-54.34 dBm	-41.34 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.63199 GHz	-55.41 dBm	-42.41 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81232 GHz	-53.52 dBm	-40.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98342 GHz	-49.51 dBm	-36.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84227 GHz	-49.12 dBm	-36.12 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.35776 GHz	-46.99 dBm	-33.99 dB

Date: 7.AUG.2020 11:54:15

Highest Channel / 16QAM



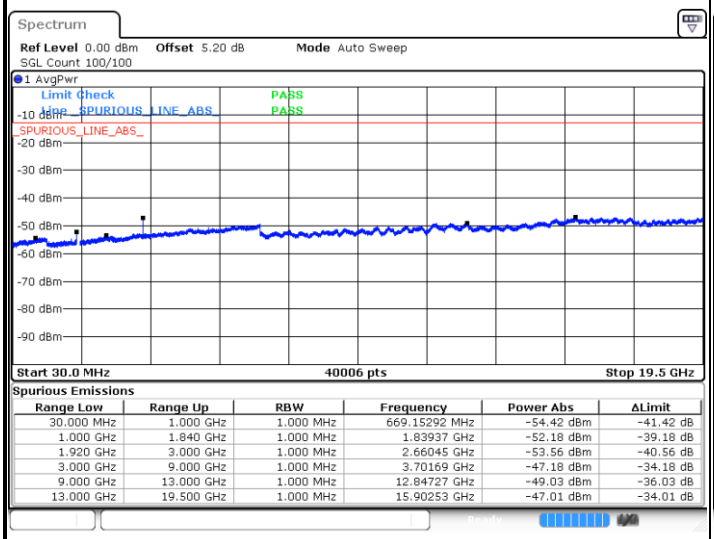
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	731.20190 MHz	-54.02 dBm	-41.02 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66978 GHz	-55.30 dBm	-42.30 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68960 GHz	-53.70 dBm	-40.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99792 GHz	-49.32 dBm	-36.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.88026 GHz	-49.01 dBm	-36.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89853 GHz	-46.85 dBm	-33.85 dB

Date: 7.AUG.2020 11:55:10

LTE Band 2 / 10MHz

Lowest Channel / QPSK

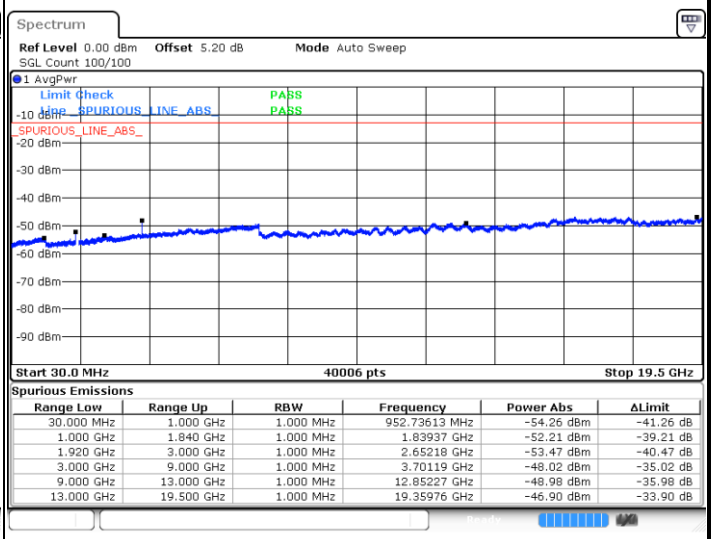


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	669.15292 MHz	-54.42 dBm	-41.42 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-52.18 dBm	-39.18 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66045 GHz	-53.56 dBm	-40.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.18 dBm	-34.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84727 GHz	-49.03 dBm	-36.03 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90253 GHz	-47.01 dBm	-34.01 dB

Date: 7.AUG.2020 12:01:15

Lowest Channel / 16QAM



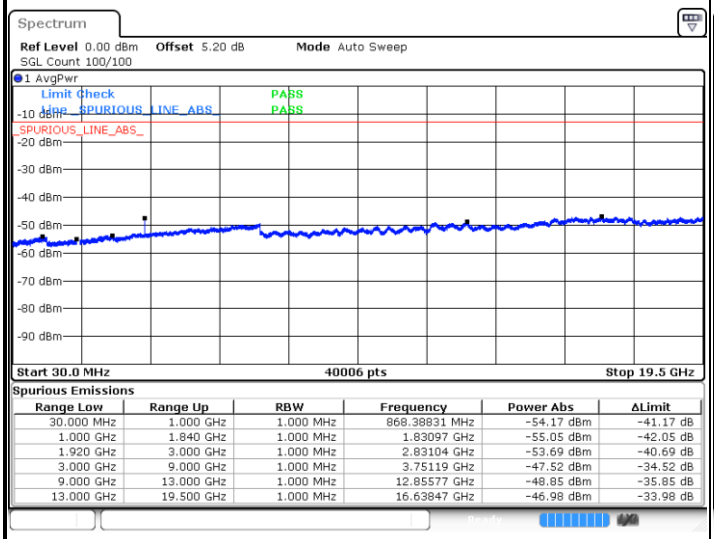
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-54.26 dBm	-41.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-52.21 dBm	-39.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65218 GHz	-53.47 dBm	-40.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-48.02 dBm	-35.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85227 GHz	-48.98 dBm	-35.98 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.35976 GHz	-46.90 dBm	-33.90 dB

Date: 7.AUG.2020 12:02:10

LTE Band 2 / 10MHz

Middle Channel / QPSK

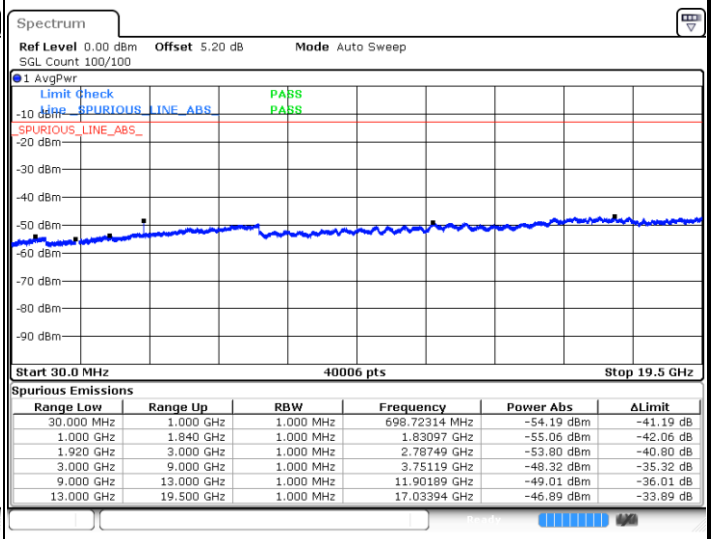


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.38831 MHz	-54.17 dBm	-41.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83097 GHz	-55.05 dBm	-42.05 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83104 GHz	-53.69 dBm	-40.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-47.52 dBm	-34.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85577 GHz	-48.85 dBm	-35.85 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.63847 GHz	-46.98 dBm	-33.98 dB

Date: 7.AUG.2020 12:03:45

Middle Channel / 16QAM

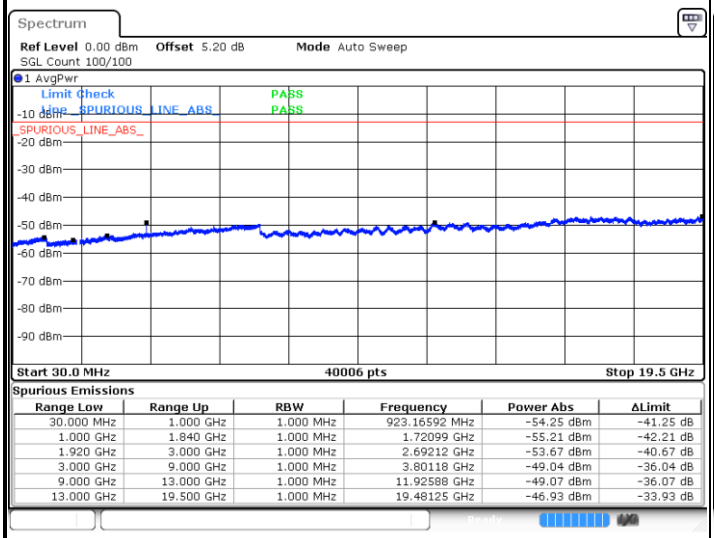


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	698.72314 MHz	-54.19 dBm	-41.19 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83097 GHz	-55.06 dBm	-42.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.78749 GHz	-53.80 dBm	-40.80 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-48.32 dBm	-35.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.90189 GHz	-49.01 dBm	-36.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03394 GHz	-46.89 dBm	-33.89 dB

Date: 7.AUG.2020 12:04:39

Highest Channel / QPSK

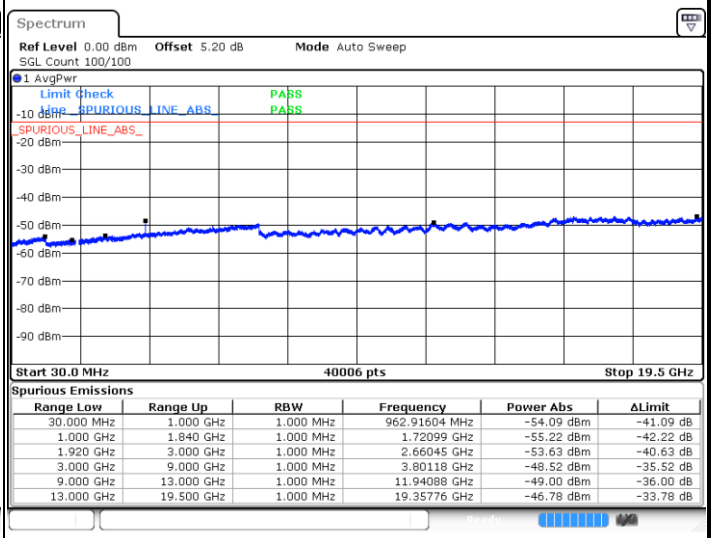


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.16592 MHz	-54.25 dBm	-41.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.72099 GHz	-55.21 dBm	-42.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69212 GHz	-53.67 dBm	-40.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-49.04 dBm	-36.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.92588 GHz	-49.07 dBm	-36.07 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.48125 GHz	-46.93 dBm	-33.93 dB

Date: 7.AUG.2020 12:10:44

Highest Channel / 16QAM



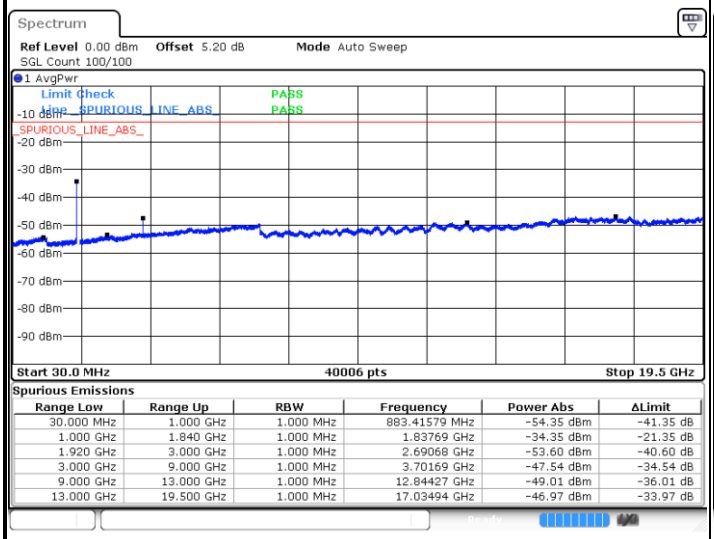
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-54.09 dBm	-41.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.72099 GHz	-55.22 dBm	-42.22 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66045 GHz	-53.63 dBm	-40.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-48.52 dBm	-35.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94088 GHz	-49.00 dBm	-36.00 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.35776 GHz	-46.78 dBm	-33.78 dB

Date: 7.AUG.2020 12:11:39

LTE Band 2 / 15MHz

Lowest Channel / QPSK

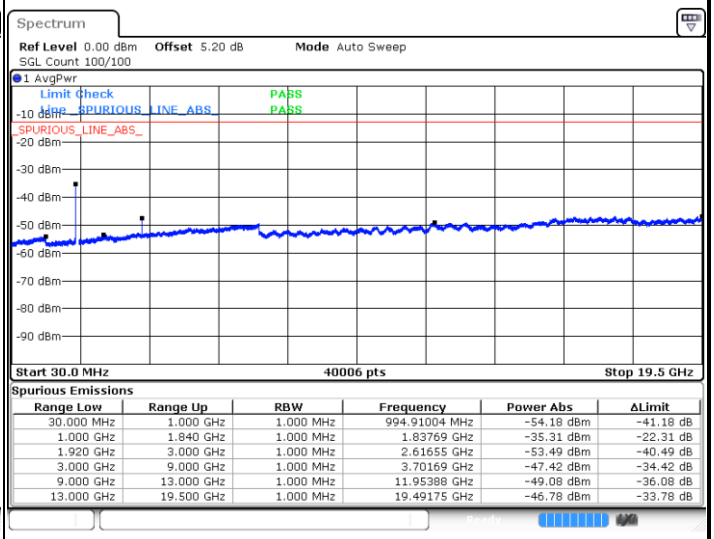


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	883.41579 MHz	-54.35 dBm	-41.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-34.35 dBm	-21.35 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69068 GHz	-53.60 dBm	-40.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.54 dBm	-34.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84427 GHz	-49.01 dBm	-36.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03494 GHz	-46.97 dBm	-33.97 dB

Date: 7.AUG.2020 12:17:44

Lowest Channel / 16QAM

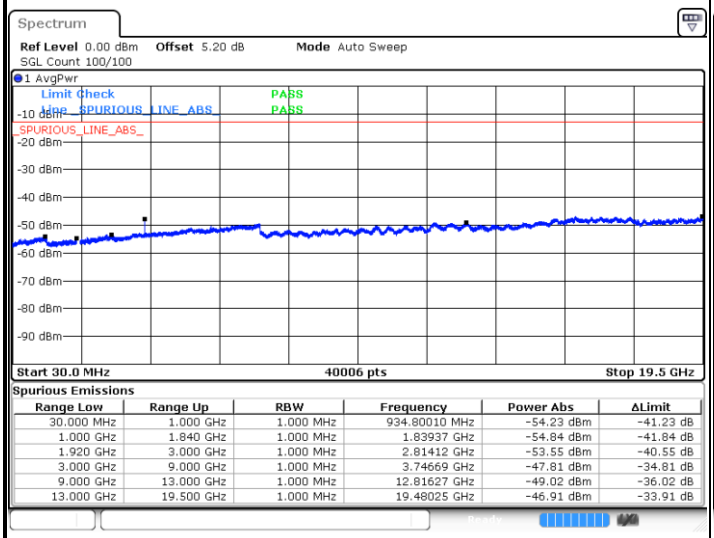


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-54.18 dBm	-41.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-35.31 dBm	-22.31 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.61655 GHz	-53.49 dBm	-40.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.42 dBm	-34.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95388 GHz	-49.08 dBm	-36.08 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.49175 GHz	-46.78 dBm	-33.78 dB

Date: 7.AUG.2020 12:18:38

Middle Channel / QPSK

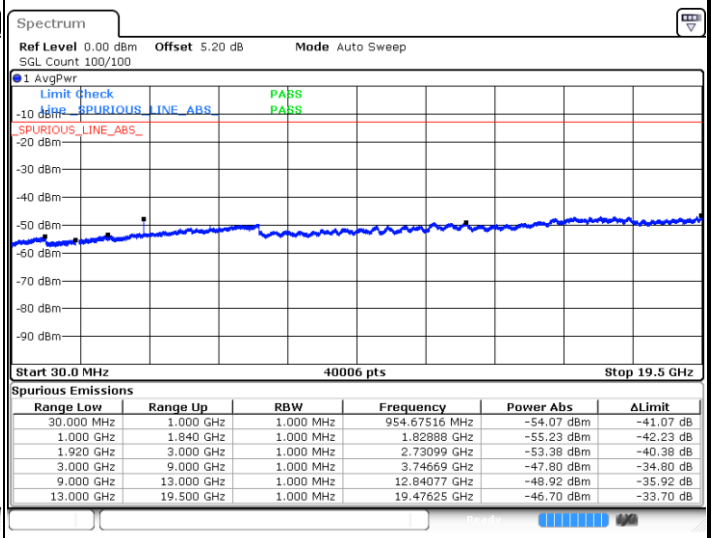


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-54.23 dBm	-41.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-54.84 dBm	-41.84 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81412 GHz	-53.55 dBm	-40.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-47.81 dBm	-34.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.81627 GHz	-49.02 dBm	-36.02 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.48025 GHz	-46.91 dBm	-33.91 dB

Date: 7.AUG.2020 12:20:13

Middle Channel / 16QAM



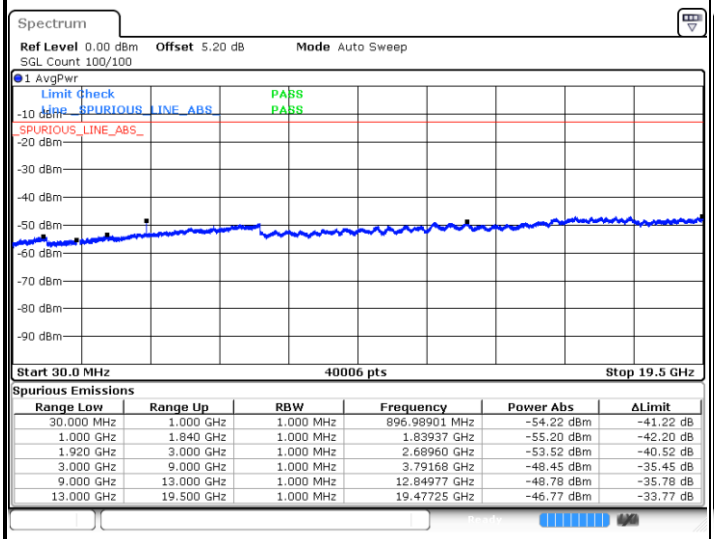
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-54.07 dBm	-41.07 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82888 GHz	-55.23 dBm	-42.23 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.73099 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-47.80 dBm	-34.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84077 GHz	-48.92 dBm	-35.92 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.47625 GHz	-46.70 dBm	-33.70 dB

Date: 7.AUG.2020 12:21:08

LTE Band 2 / 15MHz

Highest Channel / QPSK

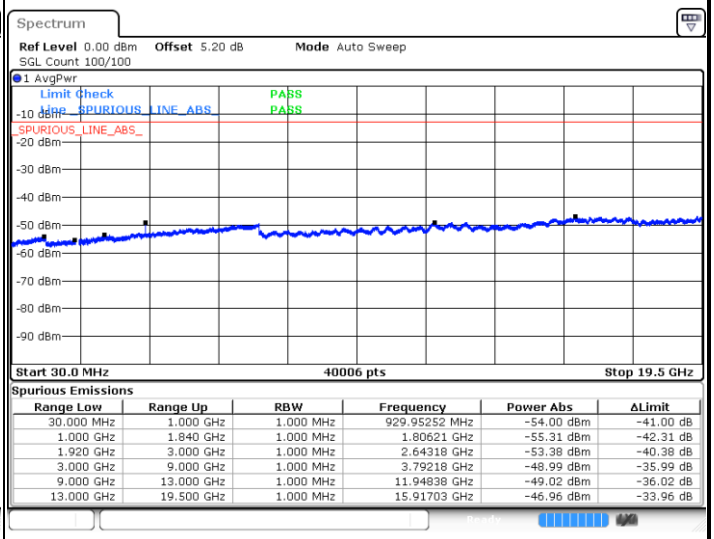


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.98901 MHz	-54.22 dBm	-41.22 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-55.20 dBm	-42.20 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68960 GHz	-53.52 dBm	-40.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-48.45 dBm	-35.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84977 GHz	-48.78 dBm	-35.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.47725 GHz	-46.77 dBm	-33.77 dB

Date: 7.AUG.2020 12:27:13

Highest Channel / 16QAM



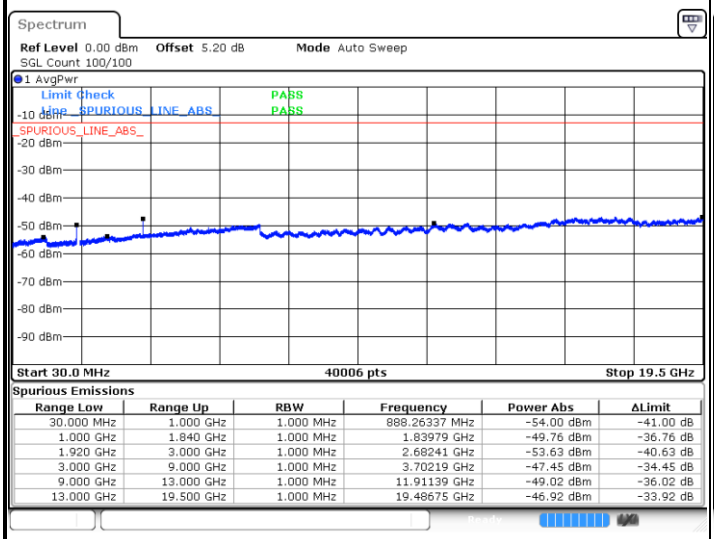
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80621 GHz	-55.31 dBm	-42.31 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64318 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79218 GHz	-48.99 dBm	-35.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94838 GHz	-49.02 dBm	-36.02 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91703 GHz	-46.96 dBm	-33.96 dB

Date: 7.AUG.2020 12:28:08

LTE Band 2 / 20MHz

Lowest Channel / QPSK

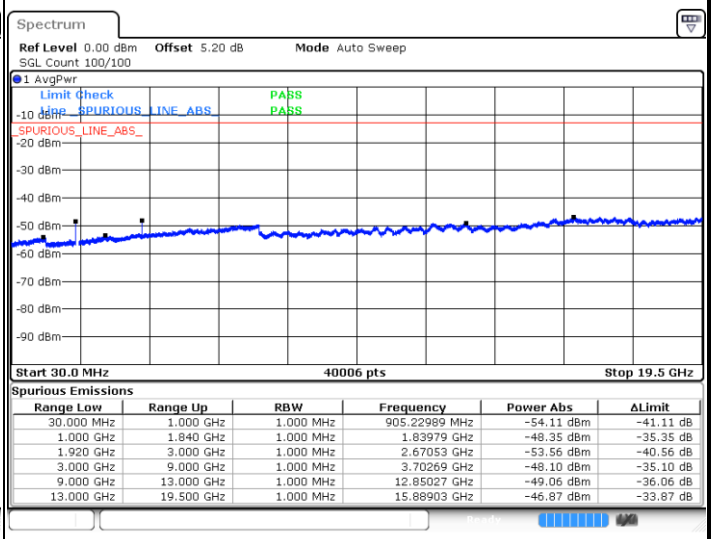


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.26337 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-49.76 dBm	-36.76 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68241 GHz	-53.63 dBm	-40.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-47.45 dBm	-34.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.91139 GHz	-49.02 dBm	-36.02 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.48675 GHz	-46.92 dBm	-33.92 dB

Date: 7.AUG.2020 12:34:13

Lowest Channel / 16QAM



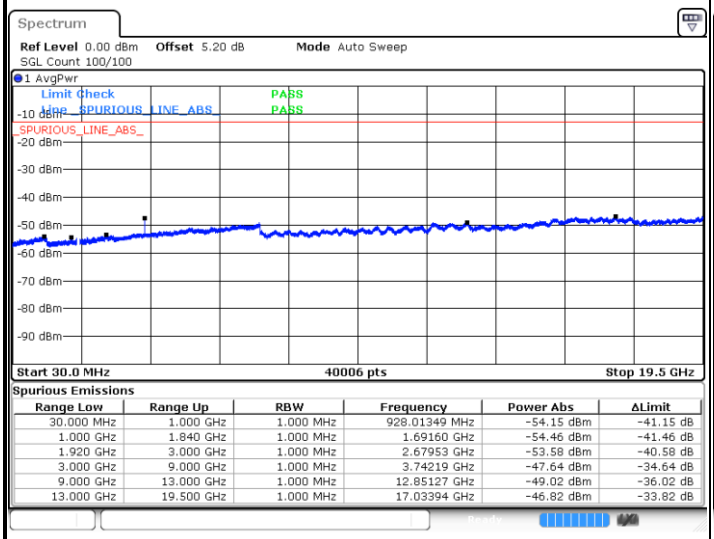
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-54.11 dBm	-41.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-48.35 dBm	-35.35 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67053 GHz	-53.56 dBm	-40.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70269 GHz	-48.10 dBm	-35.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85027 GHz	-49.06 dBm	-36.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.88903 GHz	-46.87 dBm	-33.87 dB

Date: 7.AUG.2020 12:35:07

LTE Band 2 / 20MHz

Middle Channel / QPSK

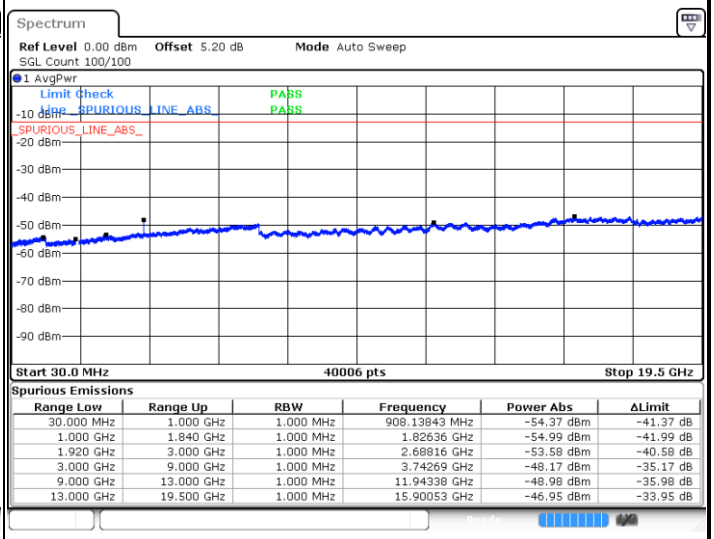


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-54.15 dBm	-41.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69160 GHz	-54.46 dBm	-41.46 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67953 GHz	-53.58 dBm	-40.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-47.64 dBm	-34.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85127 GHz	-49.02 dBm	-36.02 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03394 GHz	-46.82 dBm	-33.82 dB

Date: 7.AUG.2020 12:36:43

Middle Channel / 16QAM

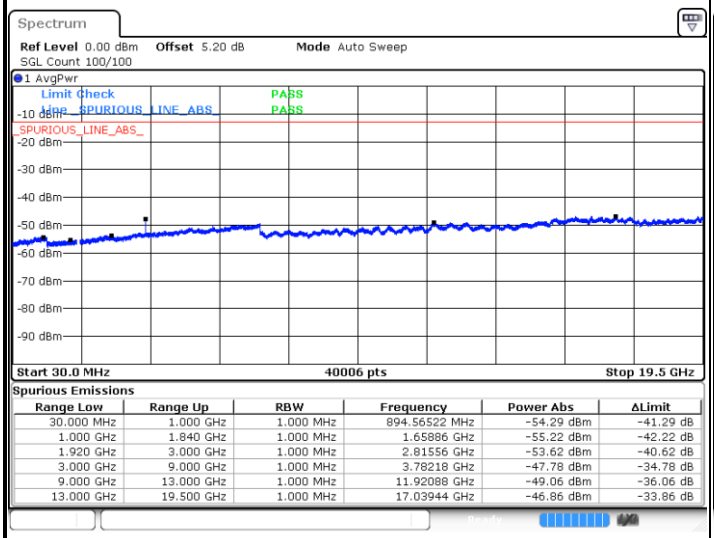


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.13843 MHz	-54.37 dBm	-41.37 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82636 GHz	-54.99 dBm	-41.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68816 GHz	-53.58 dBm	-40.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74269 GHz	-48.17 dBm	-35.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94338 GHz	-48.98 dBm	-35.98 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90053 GHz	-46.95 dBm	-33.95 dB

Date: 7.AUG.2020 12:37:37

Highest Channel / QPSK

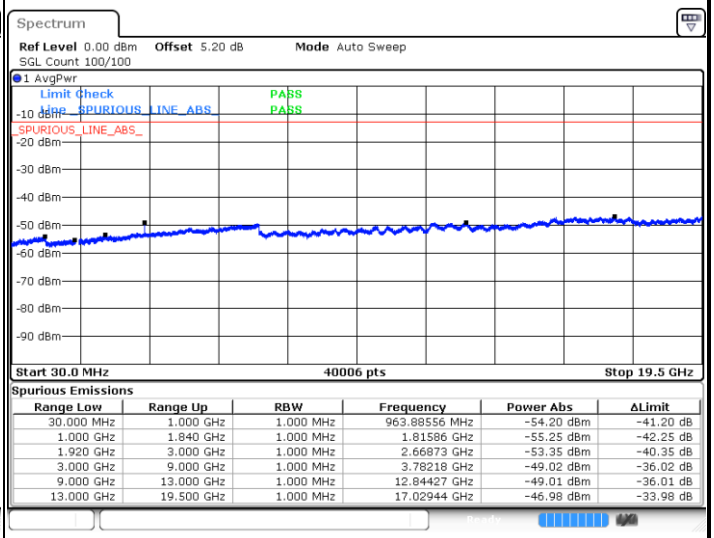


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.56522 MHz	-54.29 dBm	-41.29 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65886 GHz	-55.22 dBm	-42.22 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81556 GHz	-53.62 dBm	-40.62 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-47.78 dBm	-34.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.92088 GHz	-49.06 dBm	-36.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03944 GHz	-46.86 dBm	-33.86 dB

Date: 7.AUG.2020 12:43:42

Highest Channel / 16QAM



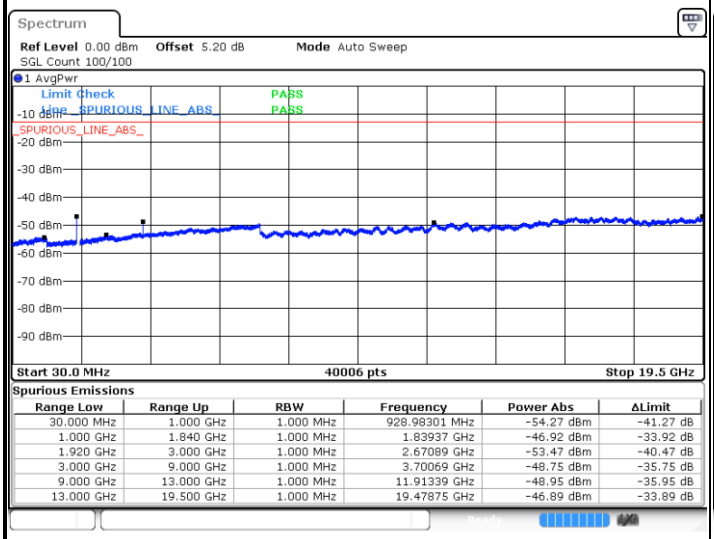
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.88556 MHz	-54.20 dBm	-41.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81586 GHz	-55.25 dBm	-42.25 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66873 GHz	-53.35 dBm	-40.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-49.02 dBm	-36.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84427 GHz	-49.01 dBm	-36.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.02944 GHz	-46.98 dBm	-33.98 dB

Date: 7.AUG.2020 12:44:37

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

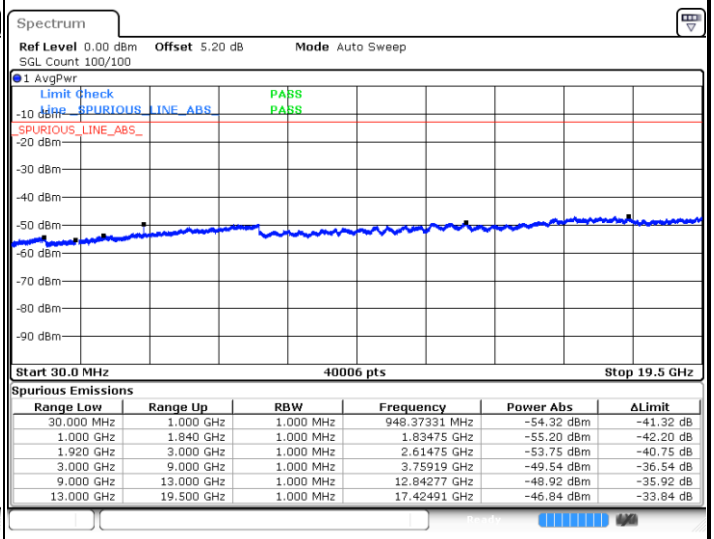


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.98301 MHz	-54.27 dBm	-41.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-46.92 dBm	-33.92 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67089 GHz	-53.47 dBm	-40.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-48.75 dBm	-35.75 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.91339 GHz	-48.95 dBm	-35.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.47875 GHz	-46.89 dBm	-33.89 dB

Date: 7.AUG.2020 13:18:32

Middle Channel / 64QAM

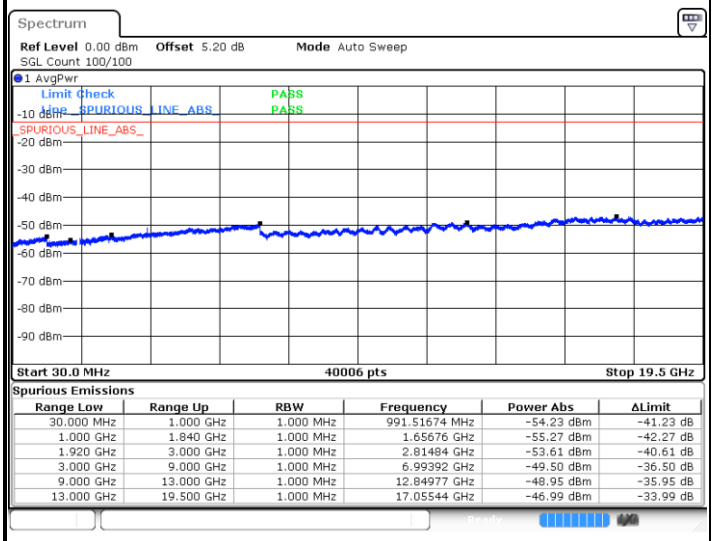


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.37331 MHz	-54.32 dBm	-41.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83475 GHz	-55.20 dBm	-42.20 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.61475 GHz	-53.75 dBm	-40.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75919 GHz	-49.54 dBm	-36.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84277 GHz	-48.92 dBm	-35.92 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.42491 GHz	-46.84 dBm	-33.84 dB

Date: 7.AUG.2020 13:19:27

Highest Channel / 64QAM



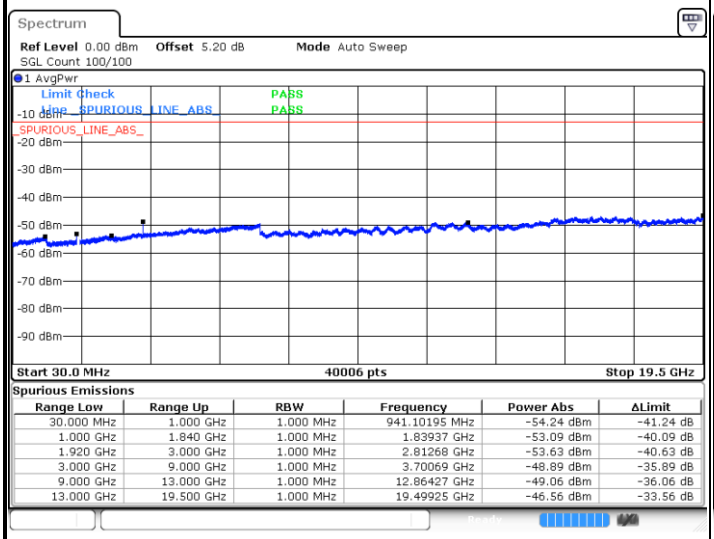
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-54.23 dBm	-41.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65676 GHz	-55.27 dBm	-42.27 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81484 GHz	-53.61 dBm	-40.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-49.50 dBm	-36.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84977 GHz	-48.95 dBm	-35.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.05544 GHz	-46.99 dBm	-33.99 dB

Date: 7.AUG.2020 13:20:22

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

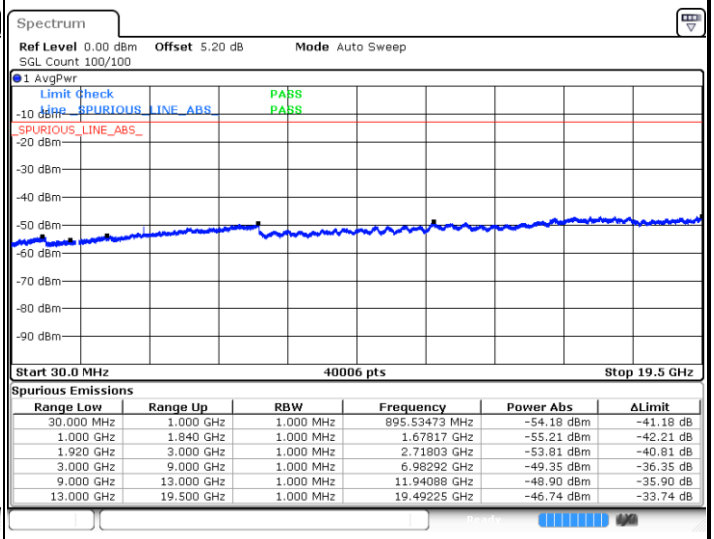


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.10195 MHz	-54.24 dBm	-41.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-53.09 dBm	-40.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81268 GHz	-53.63 dBm	-40.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-48.89 dBm	-35.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86427 GHz	-49.06 dBm	-36.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.49925 GHz	-46.56 dBm	-33.56 dB

Date: 7.AUG.2020 13:21:17

Middle Channel / 64QAM

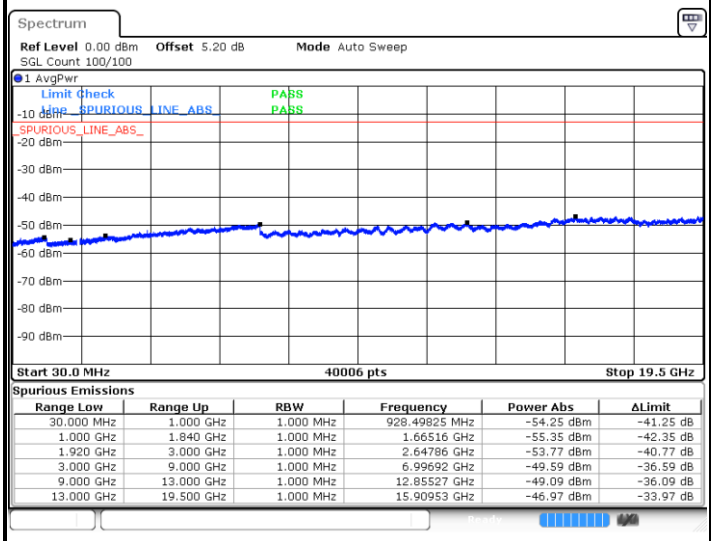


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	895.53473 MHz	-54.18 dBm	-41.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67817 GHz	-55.21 dBm	-42.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.71803 GHz	-53.81 dBm	-40.81 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98292 GHz	-49.35 dBm	-36.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94088 GHz	-48.90 dBm	-35.90 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.49225 GHz	-46.74 dBm	-33.74 dB

Date: 7.AUG.2020 13:22:12

Highest Channel / 64QAM



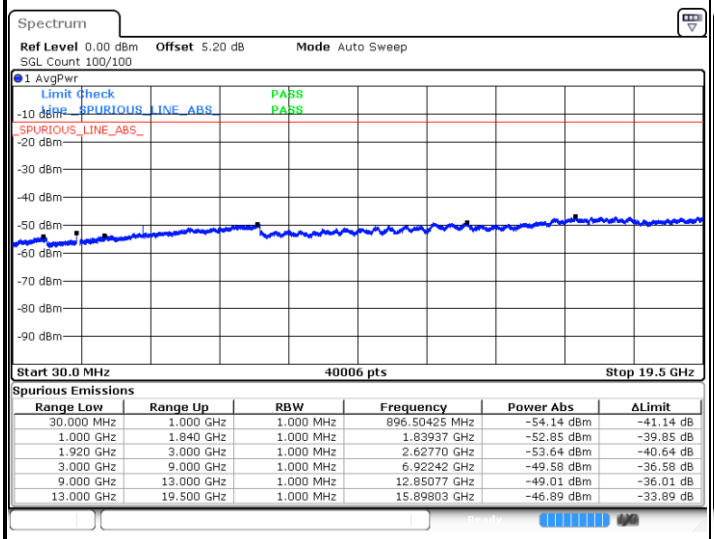
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-54.25 dBm	-41.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66516 GHz	-55.35 dBm	-42.35 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64786 GHz	-53.77 dBm	-40.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99692 GHz	-49.59 dBm	-36.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85527 GHz	-49.09 dBm	-36.09 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90953 GHz	-46.97 dBm	-33.97 dB

Date: 7.AUG.2020 13:44:46

LTE Band 2 / 5MHz

Lowest Channel / 64QAM

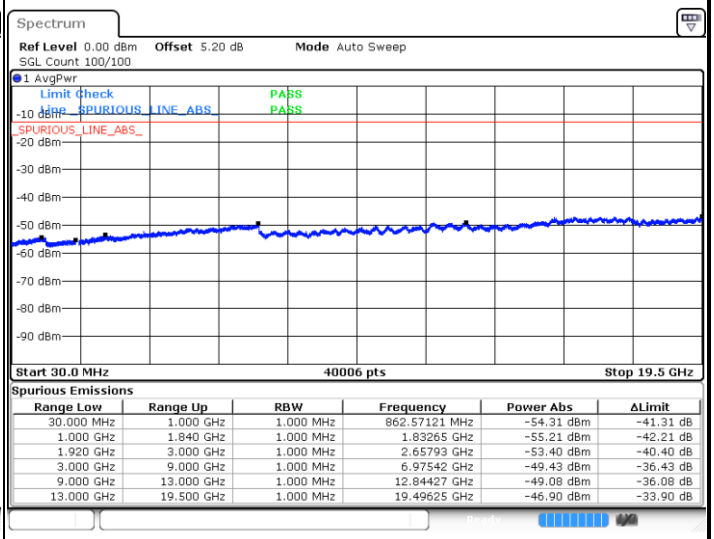


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-54.14 dBm	-41.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-52.85 dBm	-39.85 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62770 GHz	-53.64 dBm	-40.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92242 GHz	-49.58 dBm	-36.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85077 GHz	-49.01 dBm	-36.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89803 GHz	-46.89 dBm	-33.89 dB

Date: 7.AUG.2020 13:47:26

Middle Channel / 64QAM

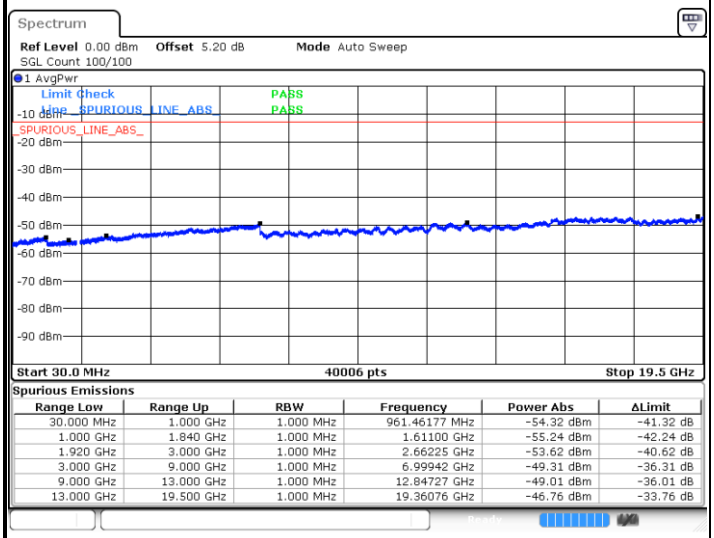


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	862.57121 MHz	-54.31 dBm	-41.31 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83265 GHz	-55.21 dBm	-42.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65793 GHz	-53.40 dBm	-40.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97542 GHz	-49.43 dBm	-36.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84427 GHz	-49.08 dBm	-36.08 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.49625 GHz	-46.90 dBm	-33.90 dB

Date: 7.AUG.2020 13:48:18

Highest Channel / 64QAM



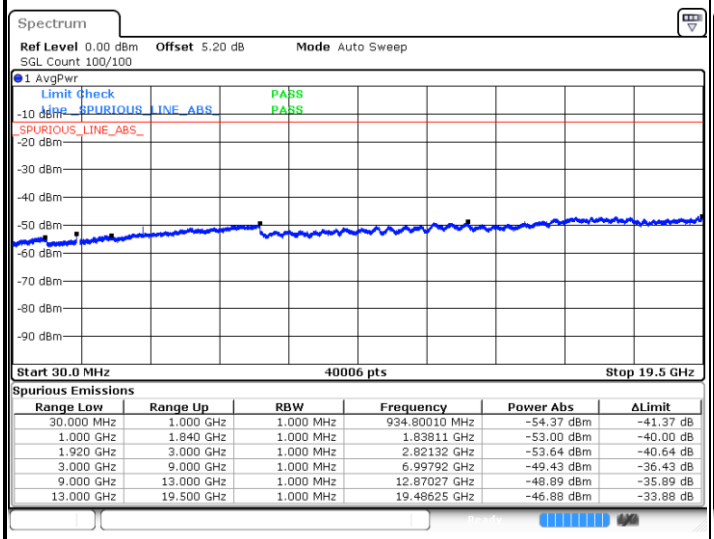
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.46177 MHz	-54.32 dBm	-41.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61100 GHz	-55.24 dBm	-42.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66225 GHz	-53.62 dBm	-40.62 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-49.31 dBm	-36.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84727 GHz	-49.01 dBm	-36.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.36076 GHz	-46.76 dBm	-33.76 dB

Date: 7.AUG.2020 13:49:24

LTE Band 2 / 10MHz

Lowest Channel / 64QAM

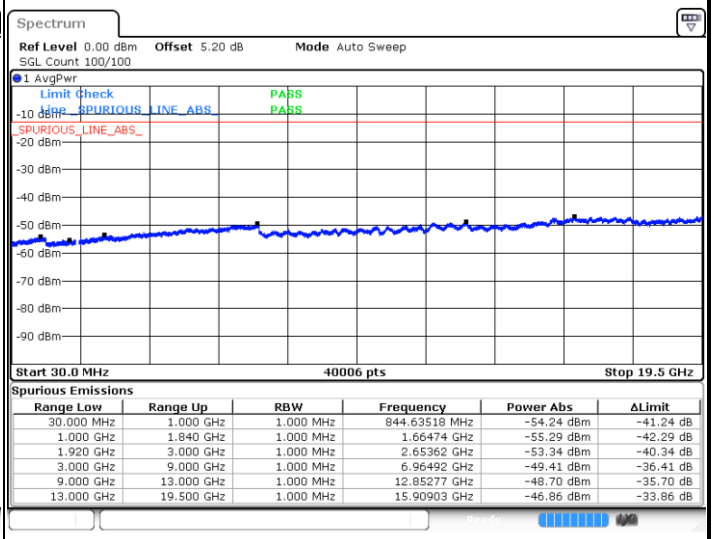


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-54.37 dBm	-41.37 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-53.00 dBm	-40.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82132 GHz	-53.64 dBm	-40.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99792 GHz	-49.43 dBm	-36.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.87027 GHz	-48.89 dBm	-35.89 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.48625 GHz	-46.88 dBm	-33.88 dB

Date: 7.AUG.2020 13:51:08

Middle Channel / 64QAM

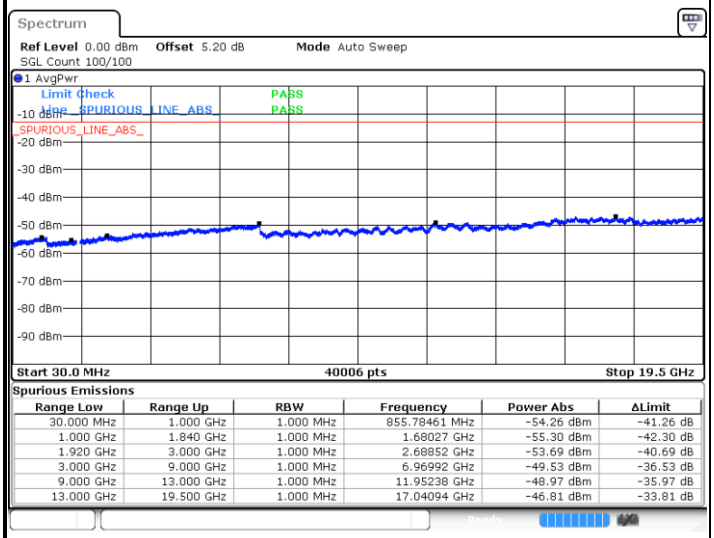


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	844.63518 MHz	-54.24 dBm	-41.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66474 GHz	-55.29 dBm	-42.29 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65362 GHz	-53.34 dBm	-40.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96492 GHz	-49.41 dBm	-36.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85277 GHz	-48.70 dBm	-35.70 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90903 GHz	-46.86 dBm	-33.86 dB

Date: 7.AUG.2020 13:51:54

Highest Channel / 64QAM



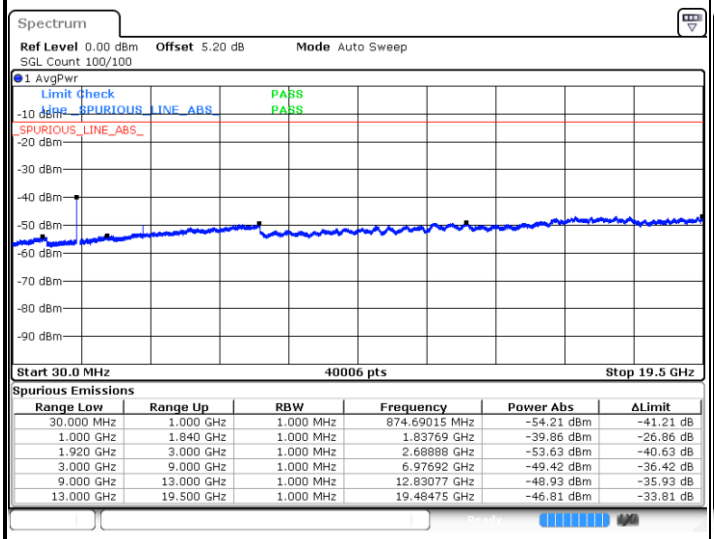
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	855.78461 MHz	-54.26 dBm	-41.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68027 GHz	-55.30 dBm	-42.30 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68852 GHz	-53.69 dBm	-40.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96992 GHz	-49.53 dBm	-36.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95238 GHz	-48.97 dBm	-35.97 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.04094 GHz	-46.81 dBm	-33.81 dB

Date: 7.AUG.2020 13:52:38

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

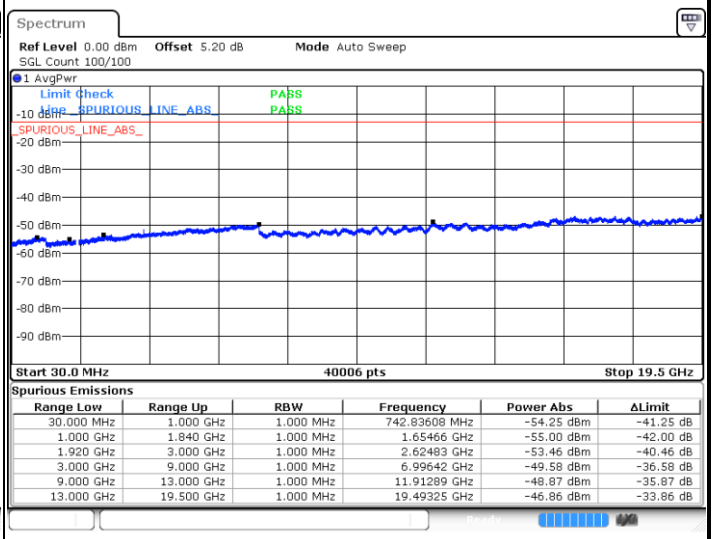


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	874.69015 MHz	-54.21 dBm	-41.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-39.86 dBm	-26.86 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68888 GHz	-53.63 dBm	-40.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97692 GHz	-49.42 dBm	-36.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83077 GHz	-48.93 dBm	-35.93 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.48475 GHz	-46.81 dBm	-33.81 dB

Date: 7.AUG.2020 13:54:24

Middle Channel / 64QAM

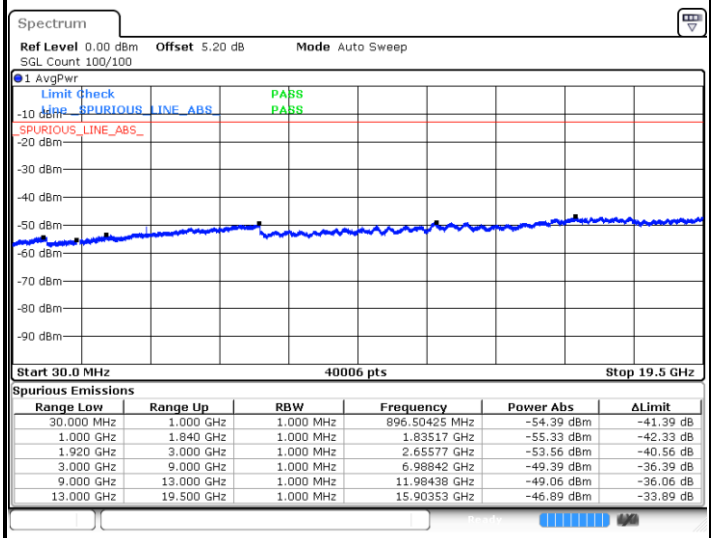


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	742.83608 MHz	-54.25 dBm	-41.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65466 GHz	-55.00 dBm	-42.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62483 GHz	-53.46 dBm	-40.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99642 GHz	-49.58 dBm	-36.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.91289 GHz	-48.87 dBm	-35.87 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.49325 GHz	-46.86 dBm	-33.86 dB

Date: 7.AUG.2020 13:55:07

Highest Channel / 64QAM



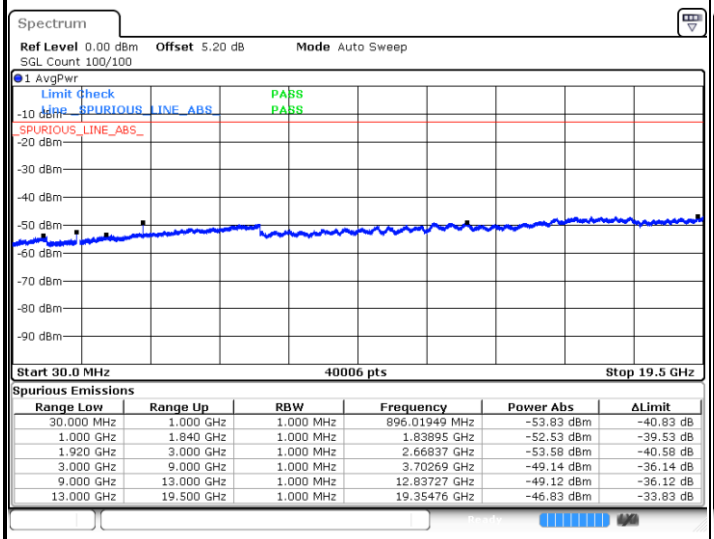
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-54.39 dBm	-41.39 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83517 GHz	-55.33 dBm	-42.33 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65577 GHz	-53.56 dBm	-40.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-49.39 dBm	-36.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.98438 GHz	-49.06 dBm	-36.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90353 GHz	-46.89 dBm	-33.89 dB

Date: 7.AUG.2020 13:55:50

LTE Band 2 / 20MHz

Lowest Channel / 64QAM

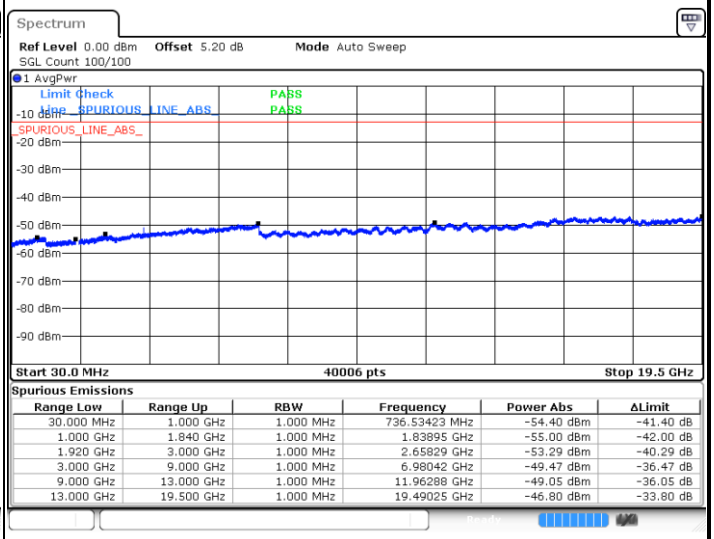


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.01949 MHz	-53.83 dBm	-40.83 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-52.53 dBm	-39.53 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66837 GHz	-53.58 dBm	-40.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70269 GHz	-49.14 dBm	-36.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83727 GHz	-49.12 dBm	-36.12 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.35476 GHz	-46.83 dBm	-33.83 dB

Date: 7.AUG.2020 14:08:57

Middle Channel / 64QAM

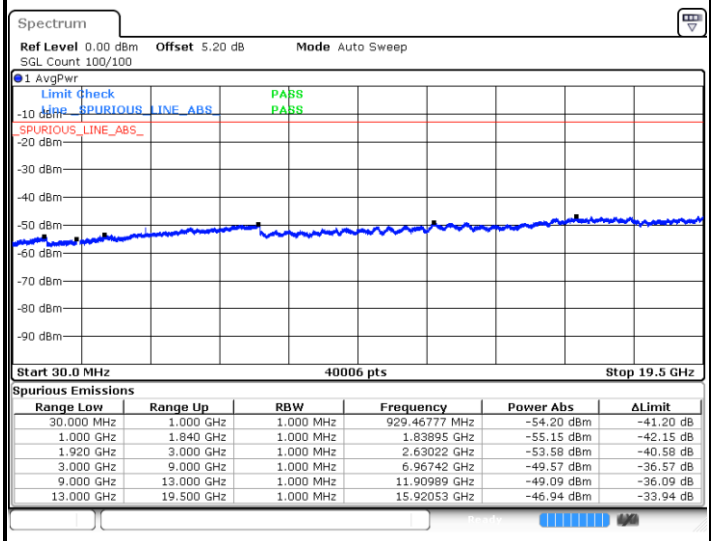


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	736.53423 MHz	-54.40 dBm	-41.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-55.00 dBm	-42.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65829 GHz	-53.29 dBm	-40.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98042 GHz	-49.47 dBm	-36.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.96288 GHz	-49.05 dBm	-36.05 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.49025 GHz	-46.80 dBm	-33.80 dB

Date: 7.AUG.2020 14:09:47

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.46777 MHz	-54.20 dBm	-41.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-55.15 dBm	-42.15 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63022 GHz	-53.58 dBm	-40.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96742 GHz	-49.57 dBm	-36.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.90989 GHz	-49.09 dBm	-36.09 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.92053 GHz	-46.94 dBm	-33.94 dB

Date: 7.AUG.2020 14:11:04

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

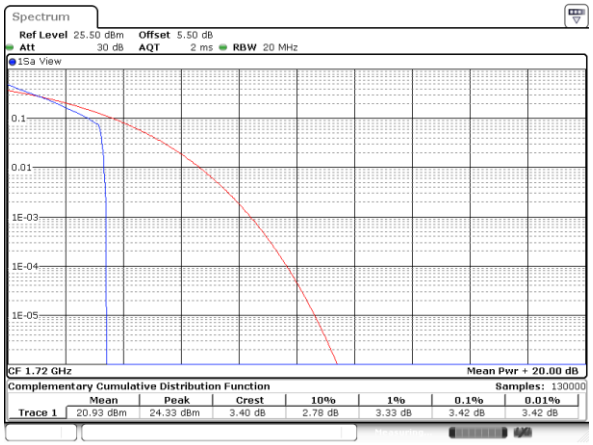
LTE Band 4

Peak-to-Average Ratio

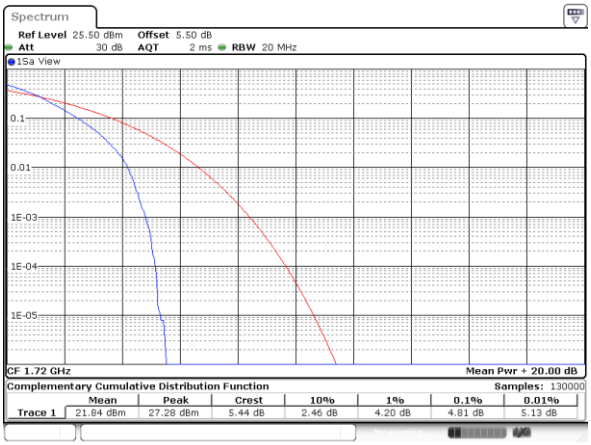
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.81	4.09	5.86	PASS
Middle CH	3.71	4.93	5.36	5.83	
Highest CH	3.68	4.93	4.90	5.86	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.06	6.26	-	-	PASS
Middle CH	6.96	6.41	-	-	
Highest CH	6.29	6.29	-	-	

LTE Band 4 / 20MHz / QPSK

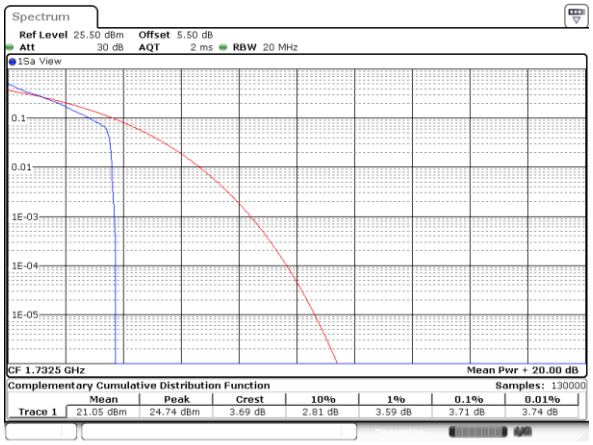
Lowest Channel / 1RB



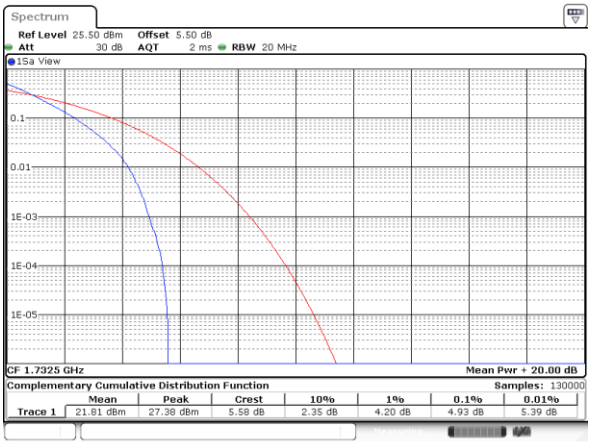
Lowest Channel / Full RB



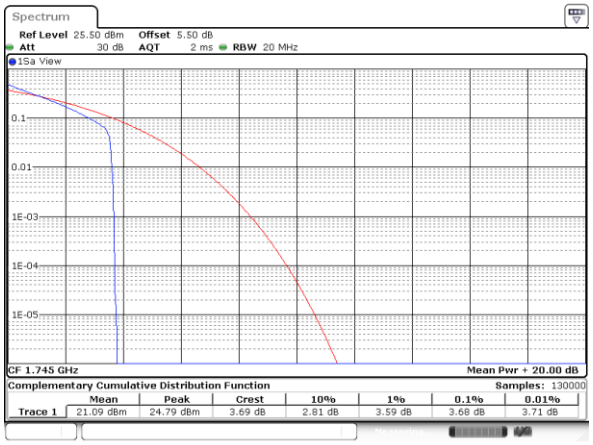
Middle Channel / 1RB



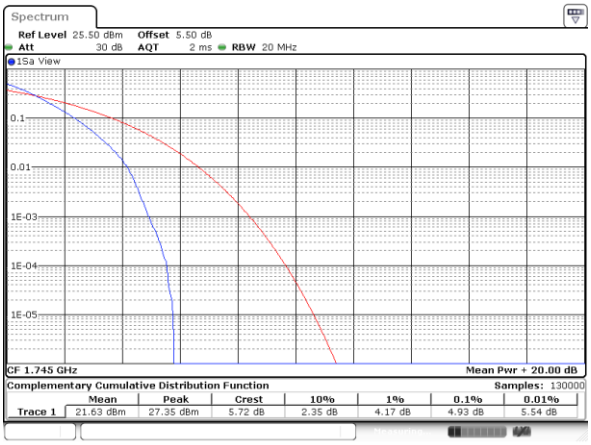
Middle Channel / Full RB



Highest Channel / 1RB

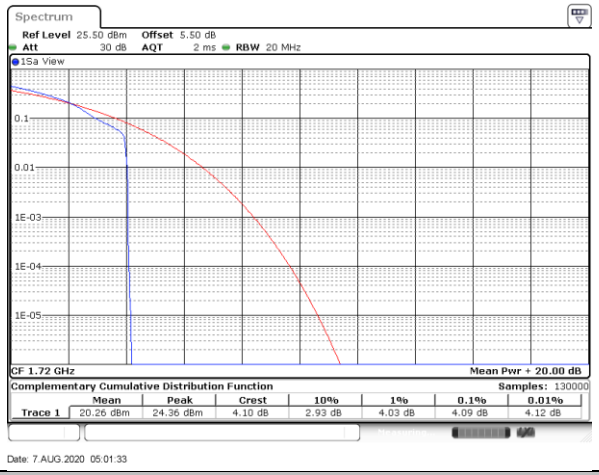


Highest Channel / Full RB

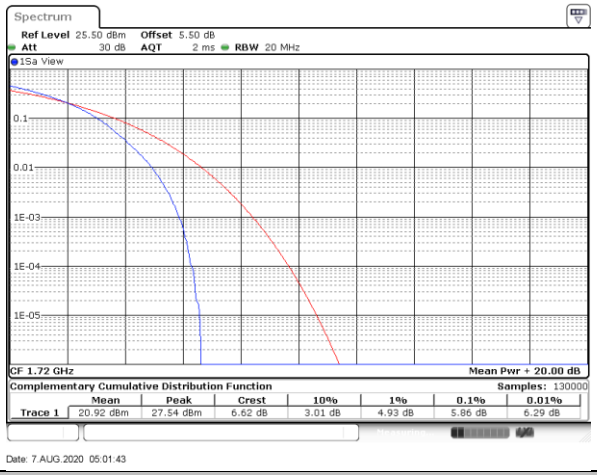


LTE Band 4 / 20MHz / 16QAM

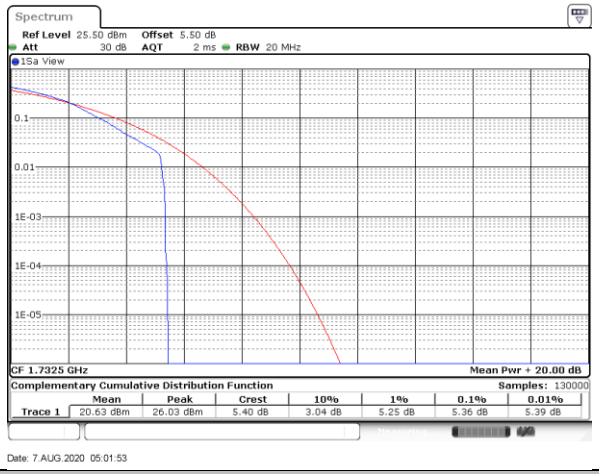
Lowest Channel / 1RB



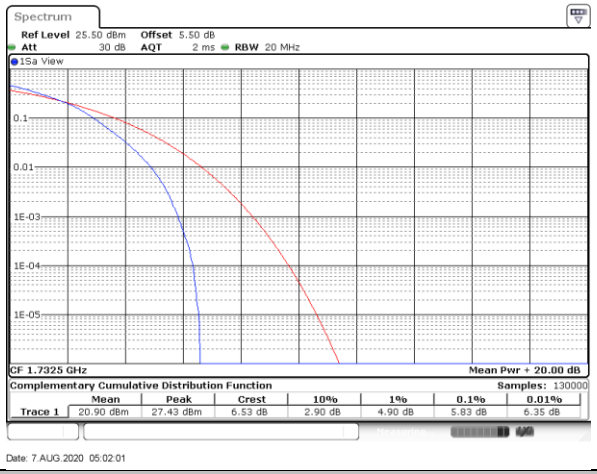
Lowest Channel / Full RB



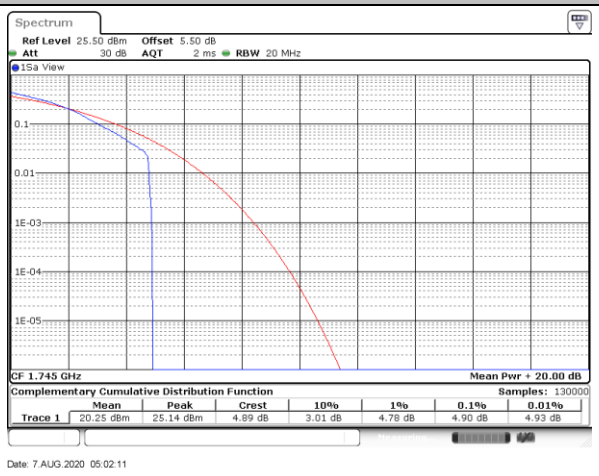
Middle Channel / 1RB



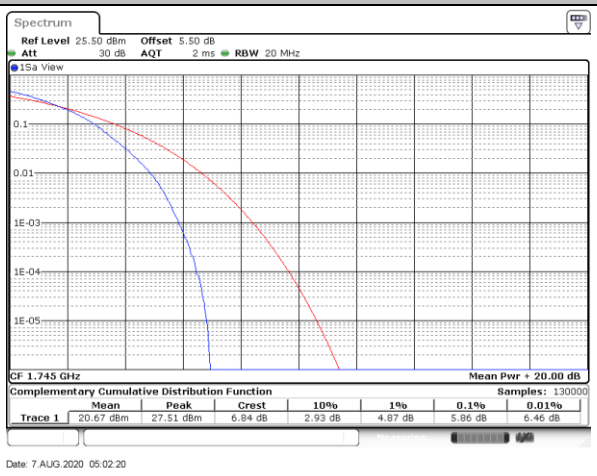
Middle Channel / Full RB



Highest Channel / 1RB

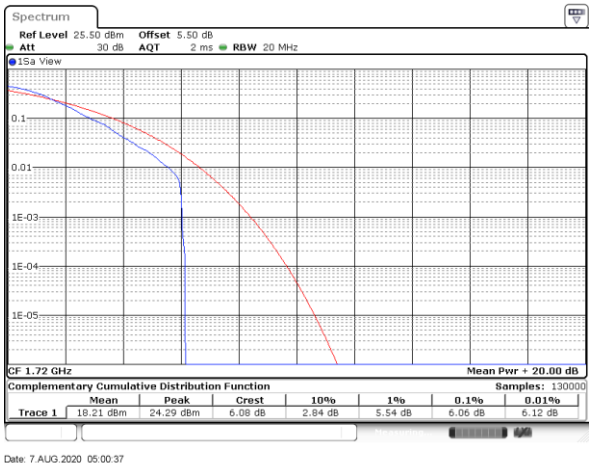


Highest Channel / Full RB

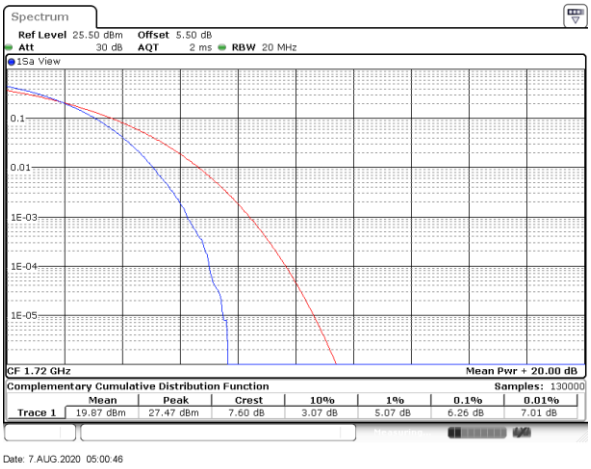


LTE Band 4 / 20MHz / 64QAM

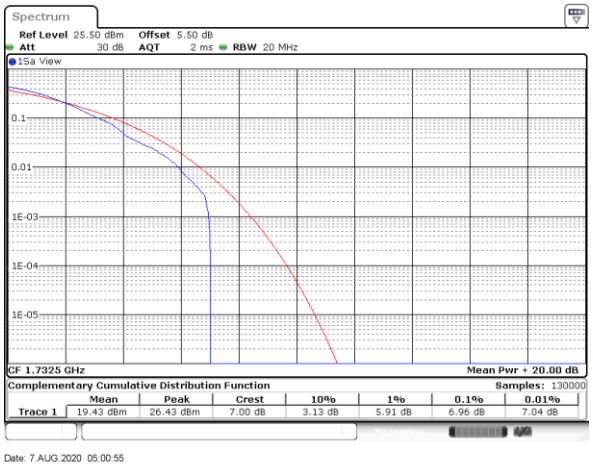
Lowest Channel / 1RB



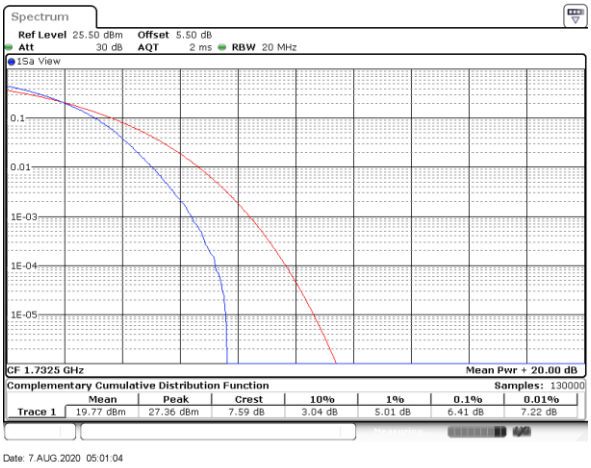
Lowest Channel / Full RB



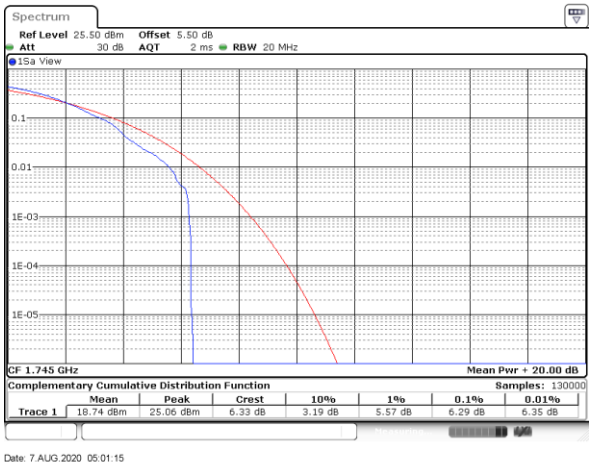
Middle Channel / 1RB



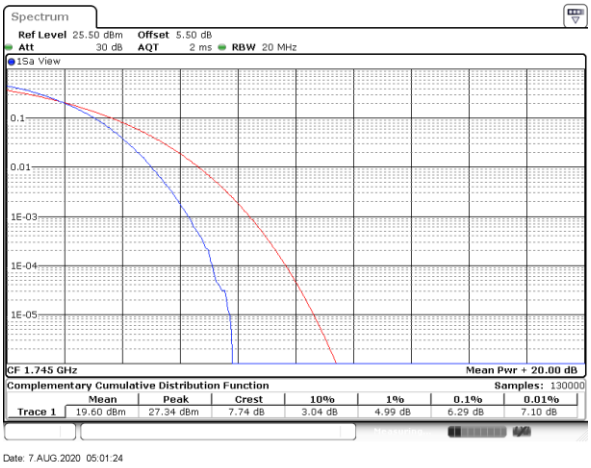
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

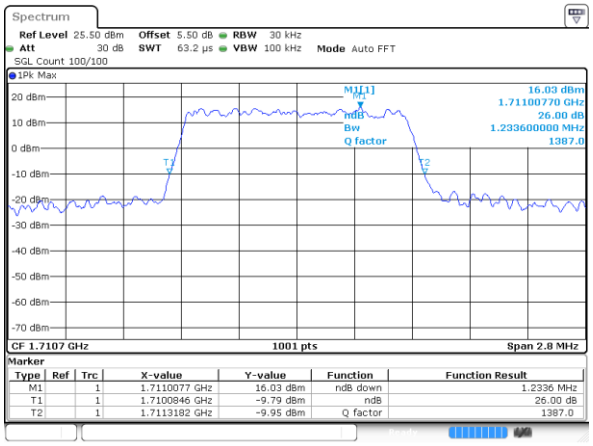


26dB Bandwidth

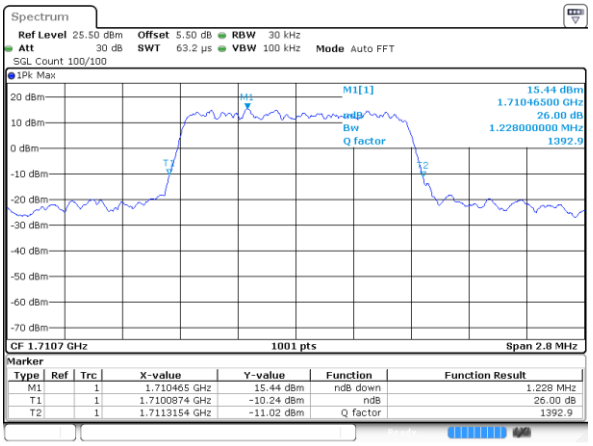
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.23	3.03	3.04	4.84	4.99	9.67	9.83	14.60	14.15	20.26	20.22
Middle CH	1.23	1.23	2.97	3.00	4.90	4.97	9.77	9.79	14.30	14.54	20.10	20.14
Highest CH	1.24	1.23	3.00	3.03	4.92	4.95	9.81	9.77	14.27	14.42	20.14	20.30
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.00	-	4.93	-	9.79	-	14.60	-	20.18	-
Middle CH	1.22	-	3.01	-	4.93	-	9.67	-	14.60	-	20.06	-
Highest CH	1.23	-	3.00	-	4.92	-	9.85	-	14.63	-	20.22	-

LTE Band 4

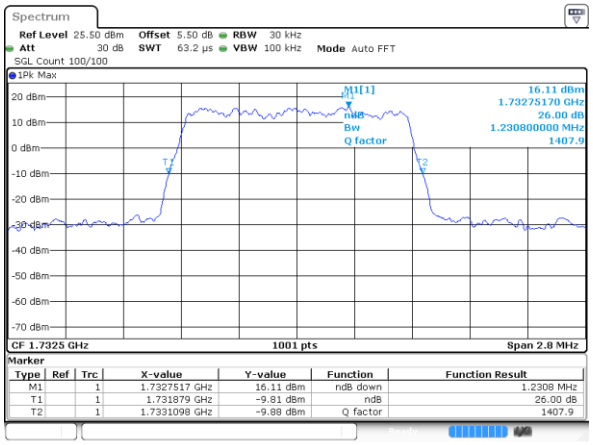
Lowest Channel / 1.4MHz / QPSK



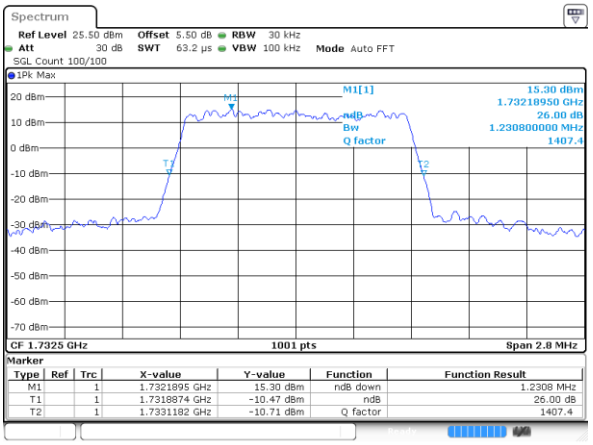
Lowest Channel / 1.4MHz / 16QAM



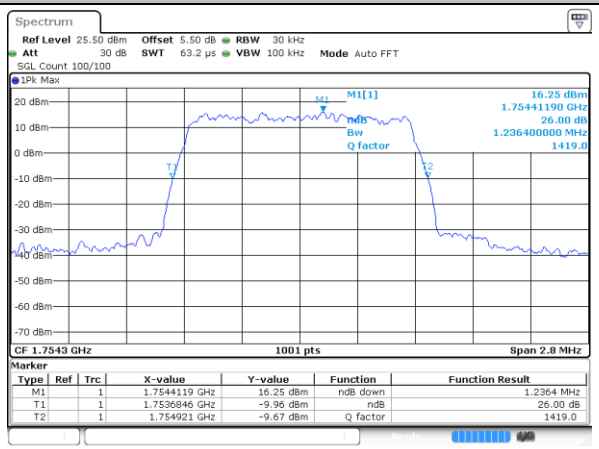
Middle Channel / 1.4MHz / QPSK



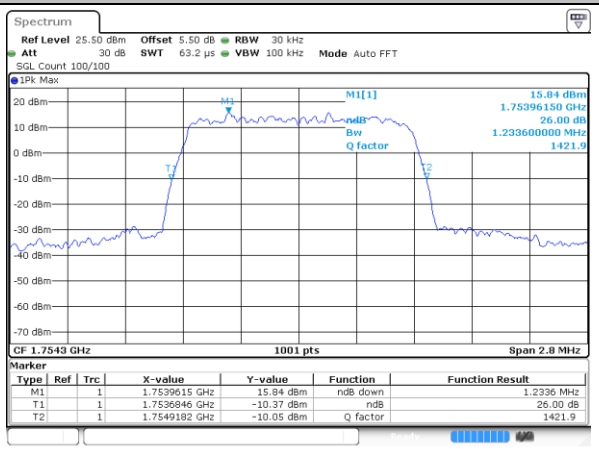
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

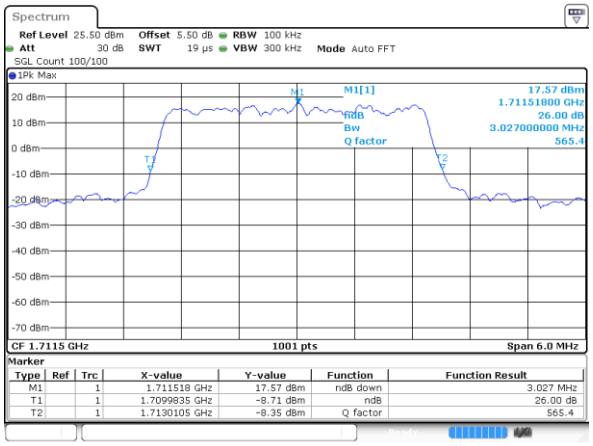


Highest Channel / 1.4MHz / 16QAM

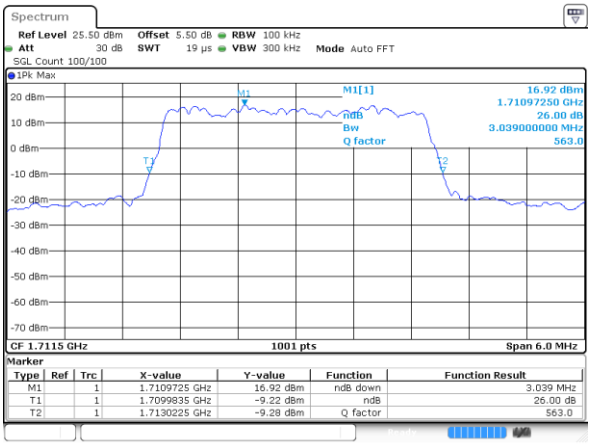


LTE Band 4

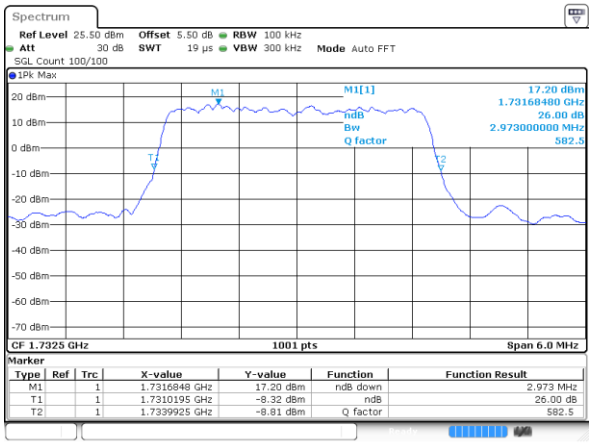
Lowest Channel / 3MHz / QPSK



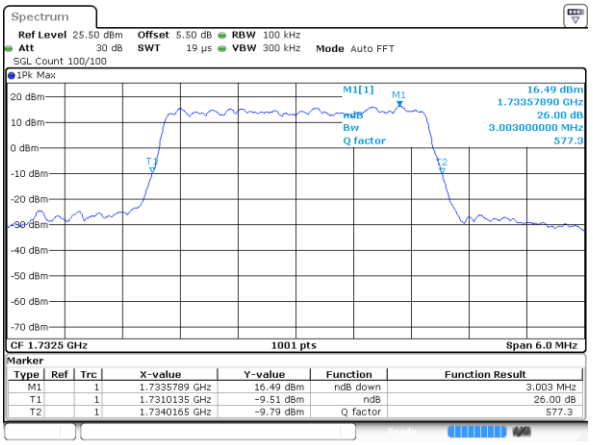
Lowest Channel / 3MHz / 16QAM



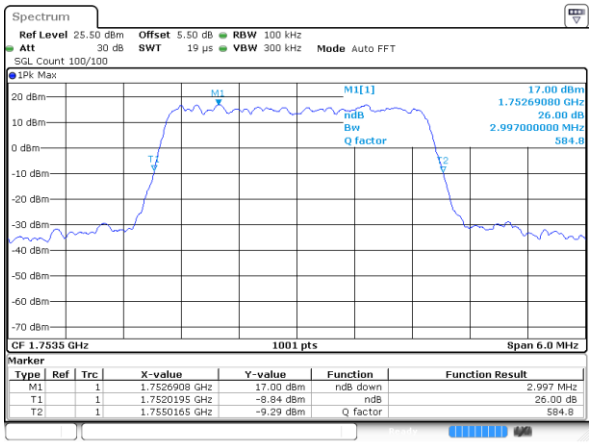
Middle Channel / 3MHz / QPSK



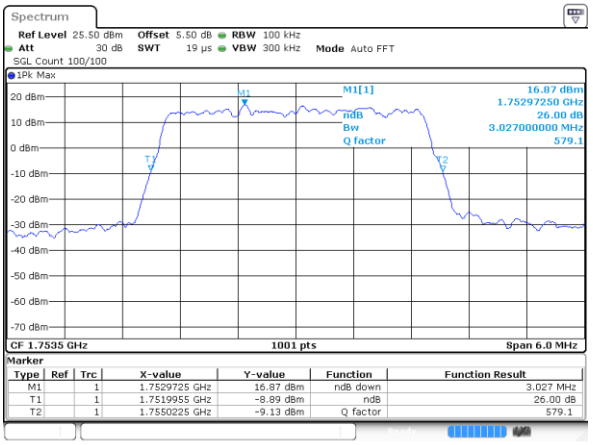
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

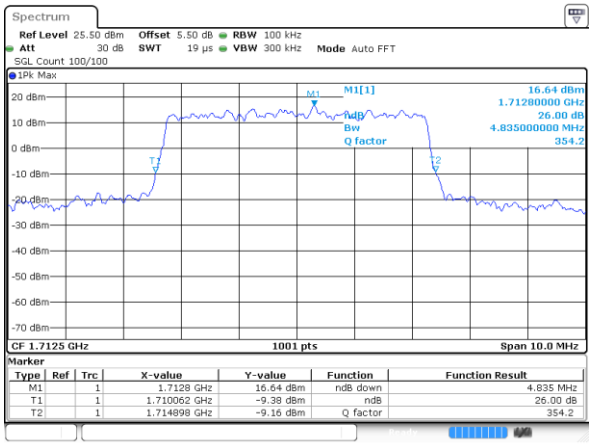


Highest Channel / 3MHz / 16QAM

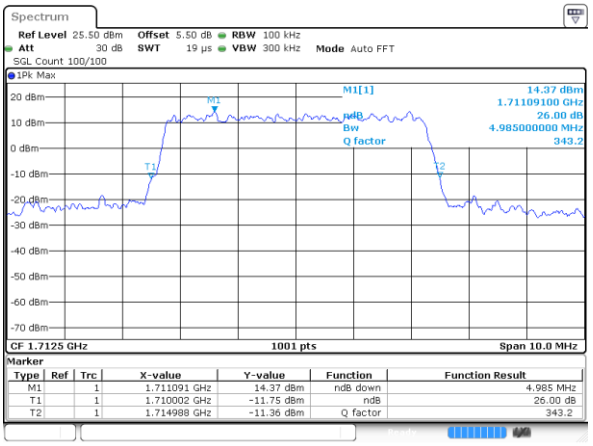


LTE Band 4

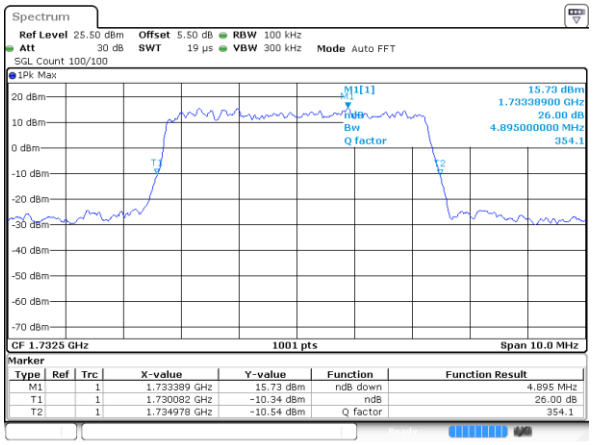
Lowest Channel / 5MHz / QPSK



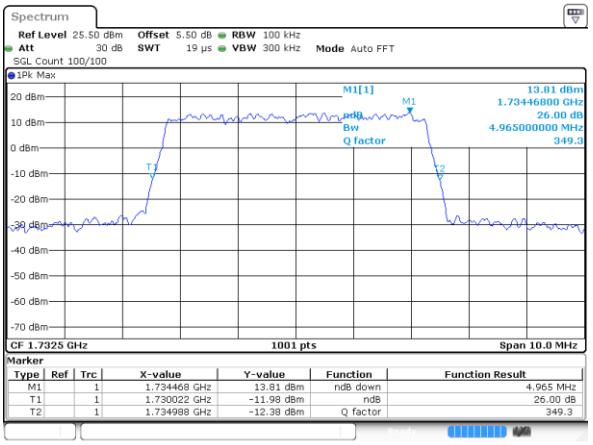
Lowest Channel / 5MHz / 16QAM



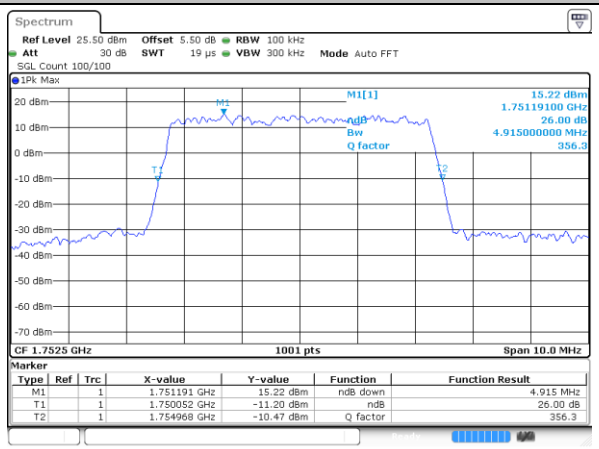
Middle Channel / 5MHz / QPSK



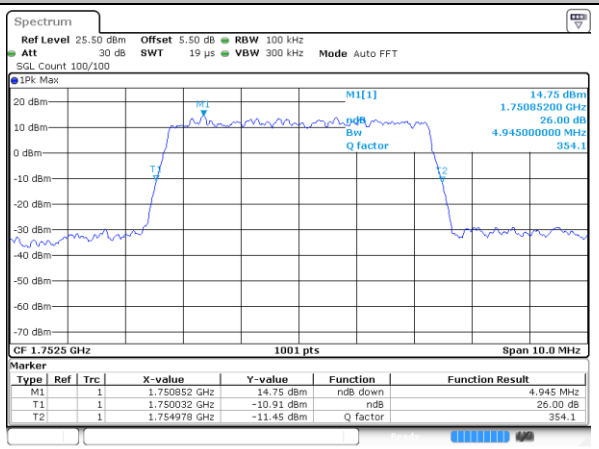
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

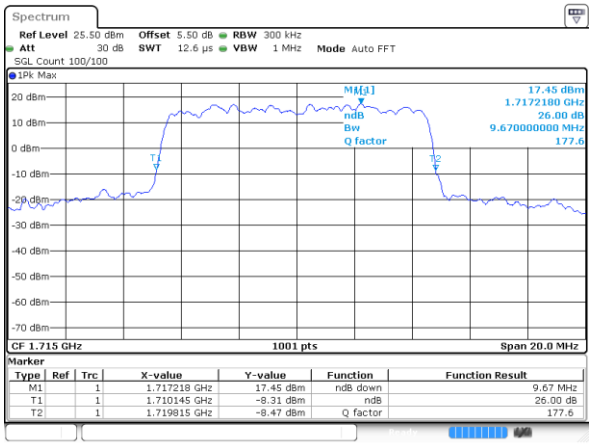


Highest Channel / 5MHz / 16QAM

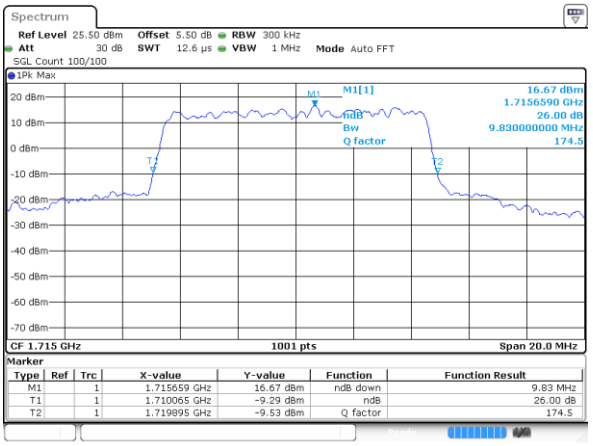


LTE Band 4

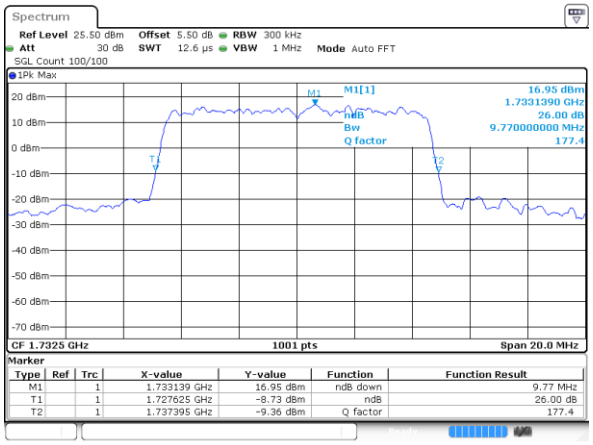
Lowest Channel / 10MHz / QPSK



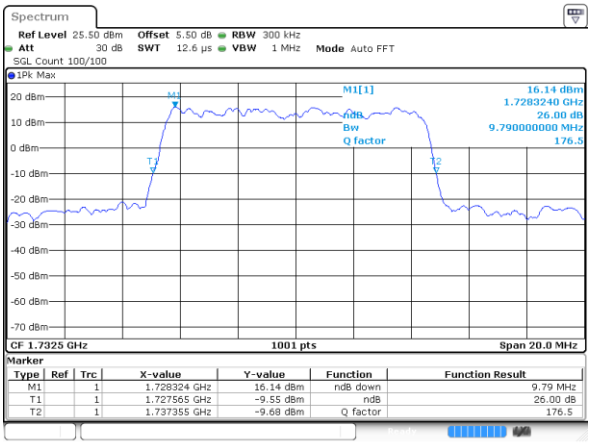
Lowest Channel / 10MHz / 16QAM



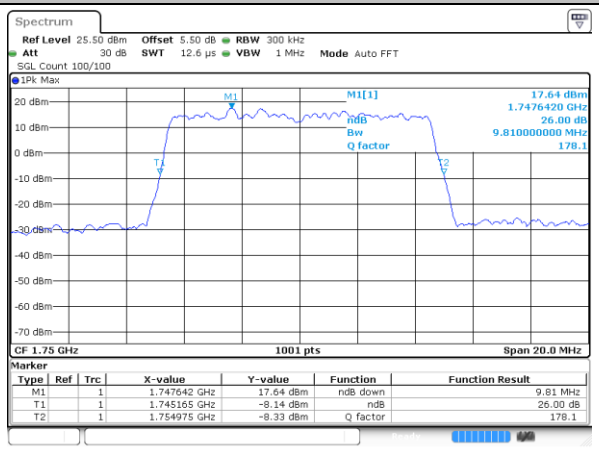
Middle Channel / 10MHz / QPSK



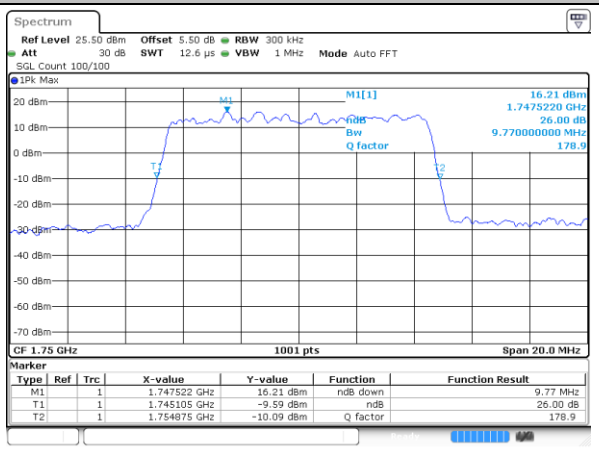
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

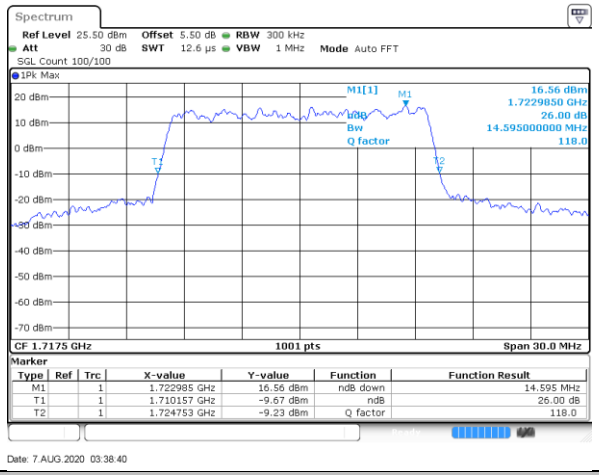


Highest Channel / 10MHz / 16QAM

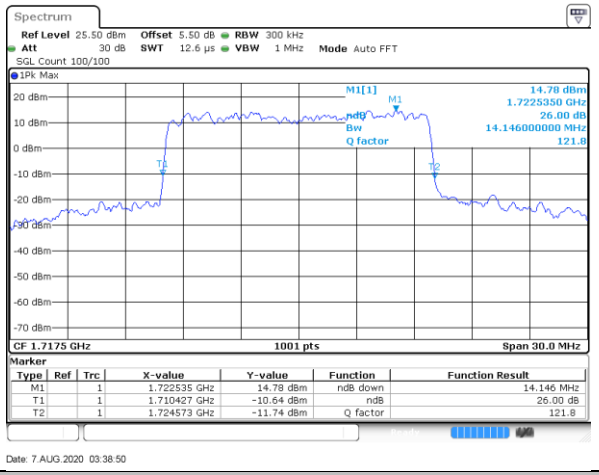


LTE Band 4

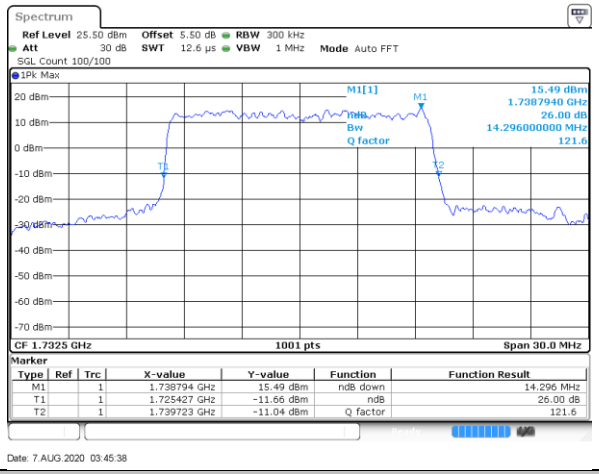
Lowest Channel / 15MHz / QPSK



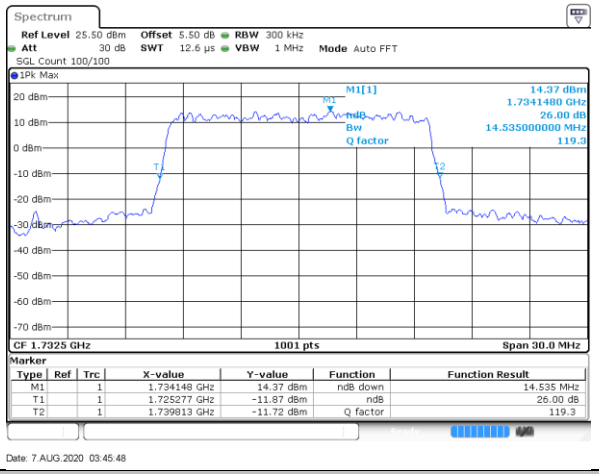
Lowest Channel / 15MHz / 16QAM



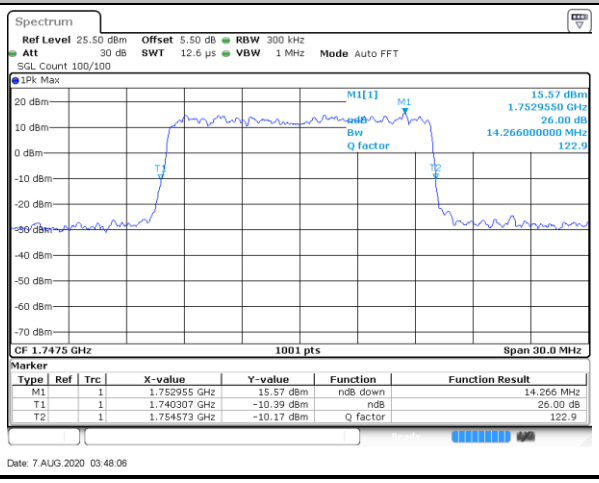
Middle Channel / 15MHz / QPSK



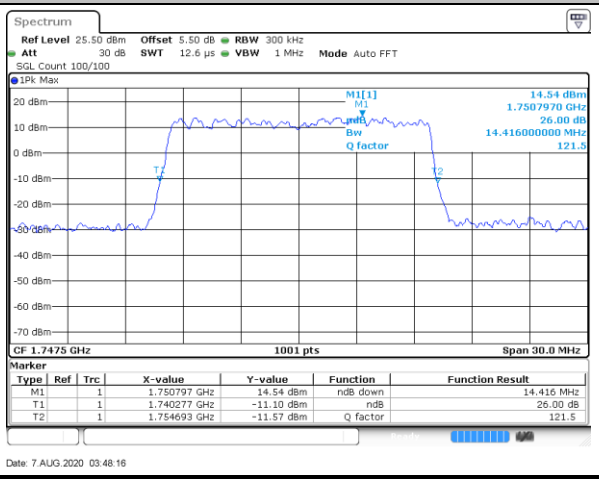
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

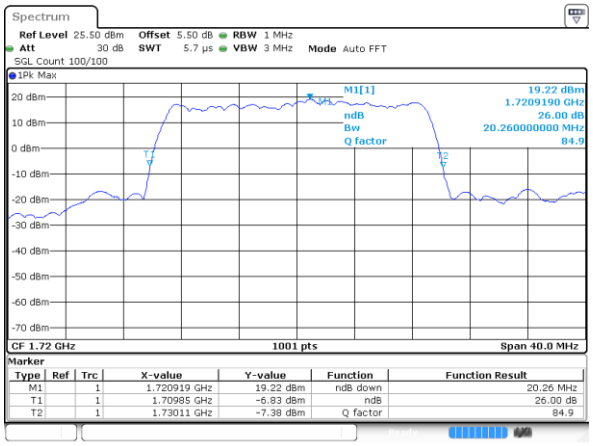


Highest Channel / 15MHz / 16QAM

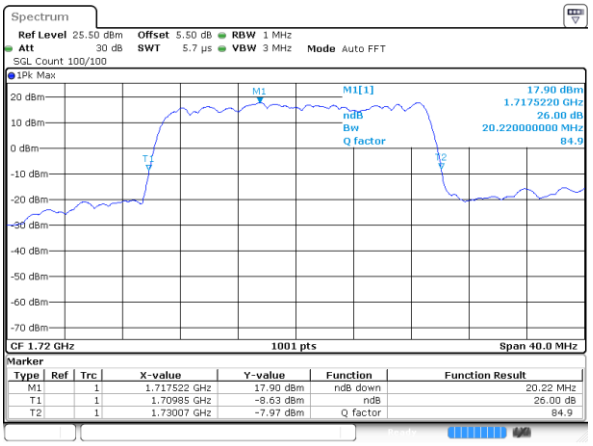


LTE Band 4

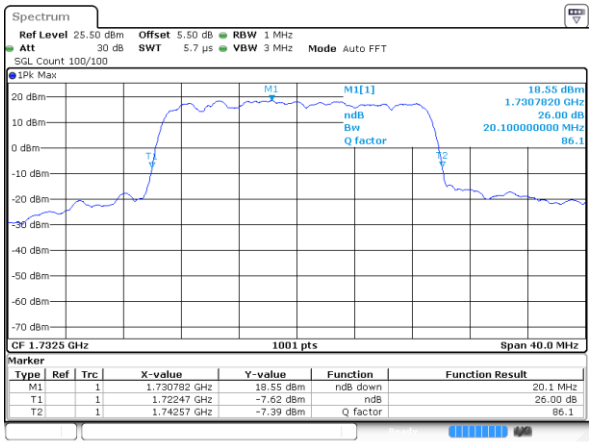
Lowest Channel / 20MHz / QPSK



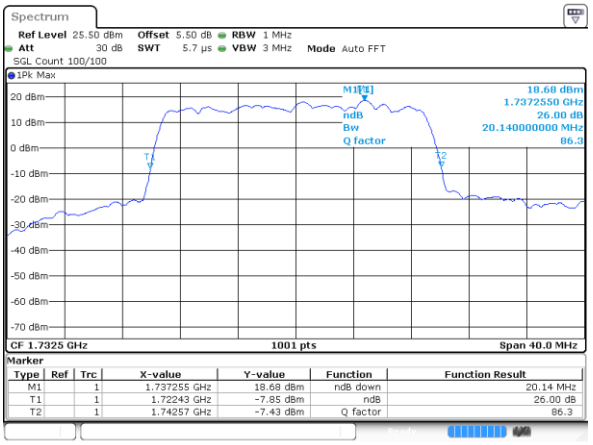
Lowest Channel / 20MHz / 16QAM



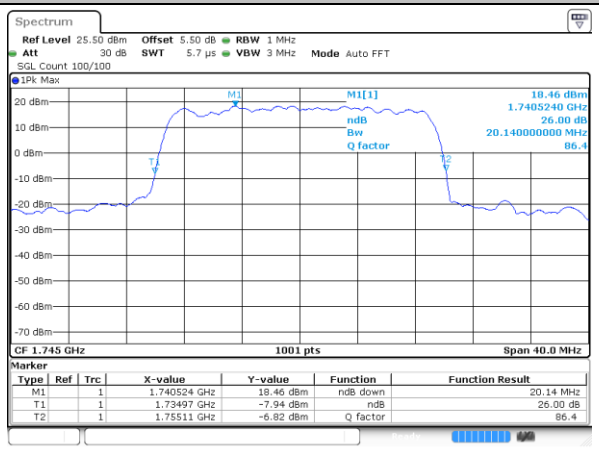
Middle Channel / 20MHz / QPSK



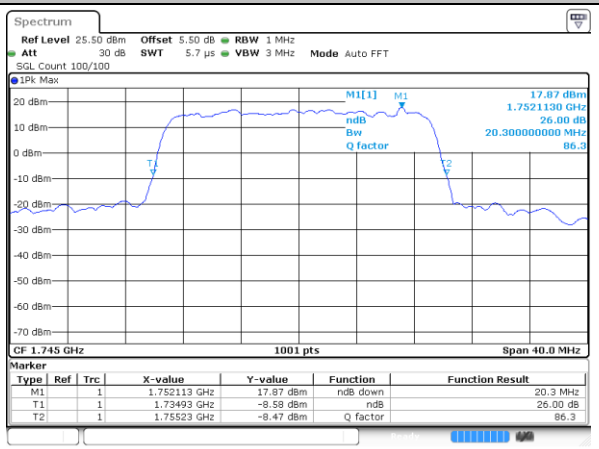
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

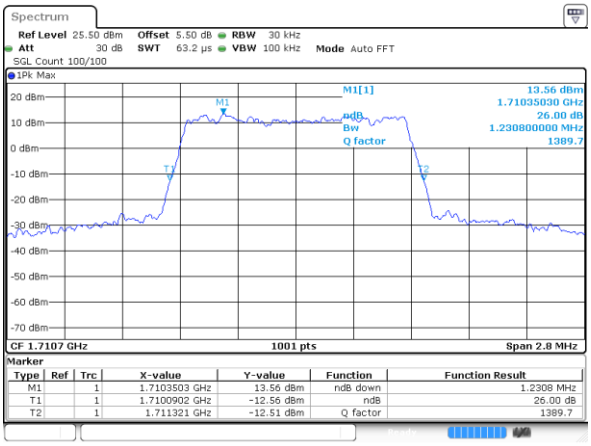


Highest Channel / 20MHz / 16QAM



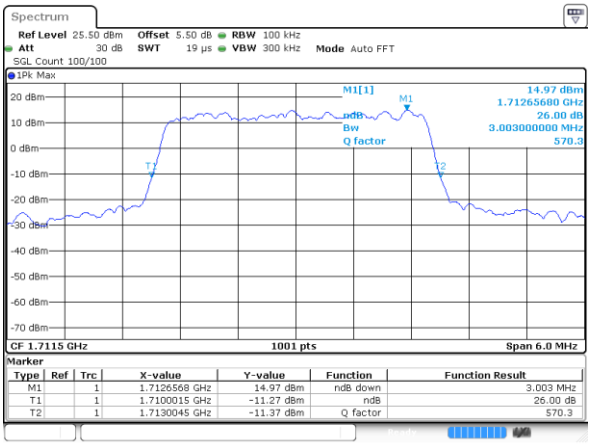
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



Date: 7.AUG.2020 04:11:18

Lowest Channel / 3MHz / 64QAM



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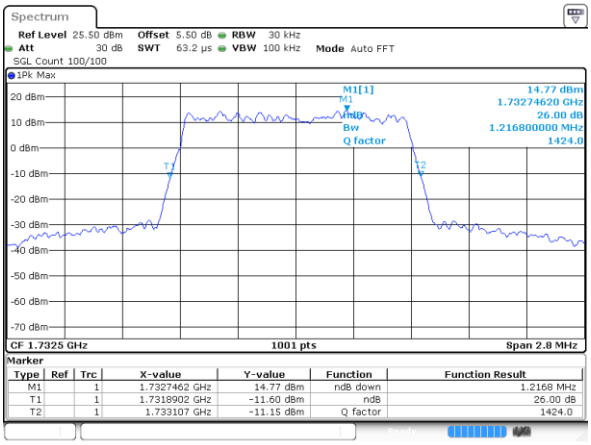
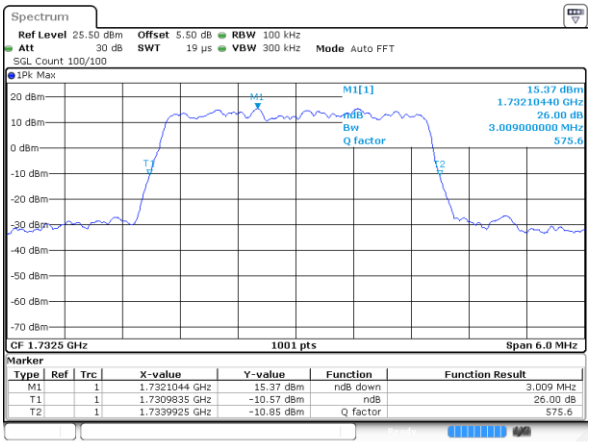
Middle Channel / 1.4MHz / 64QAM



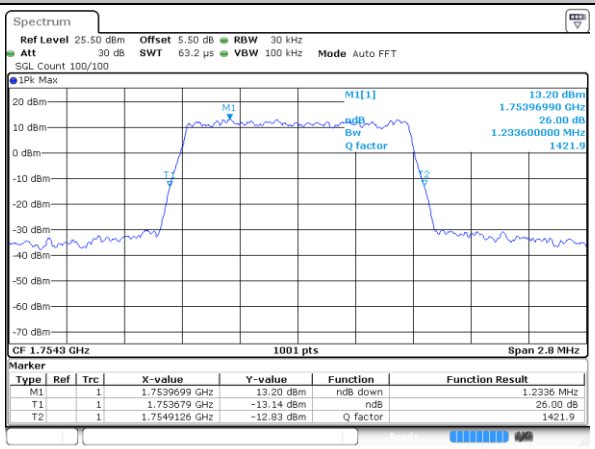
Date: 7.AUG.2020 04:14:47

Middle Channel / 3MHz / 64QAM



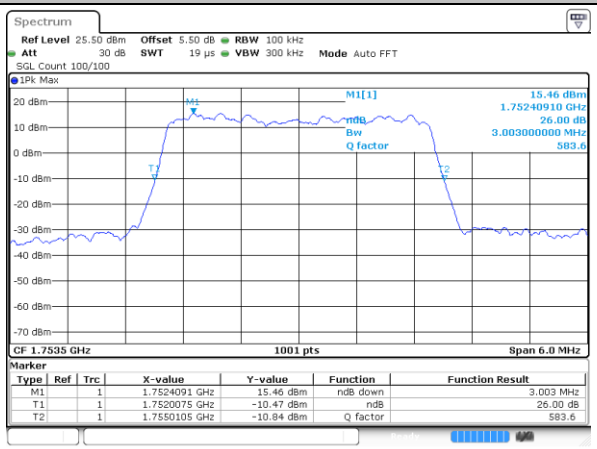
Date: 7.AUG.2020 04:23:00

Highest Channel / 1.4MHz / 64QAM



Date: 7.AUG.2020 04:16:02

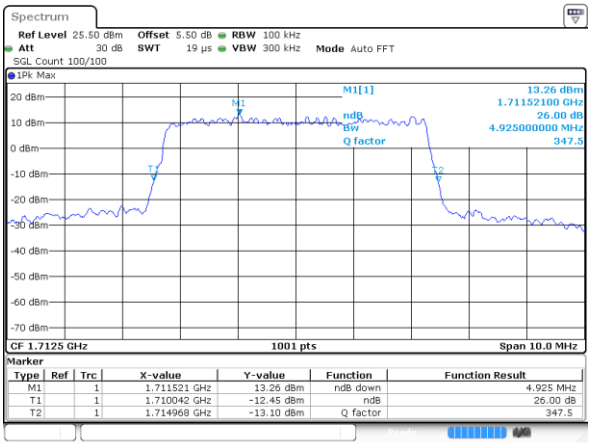
Highest Channel / 3MHz / 64QAM



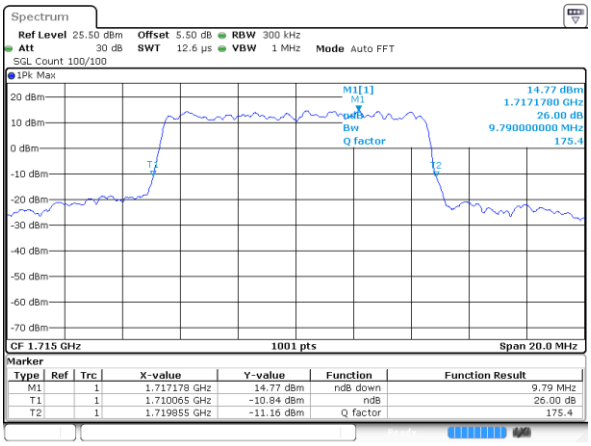
Date: 7.AUG.2020 04:24:14

LTE Band 4

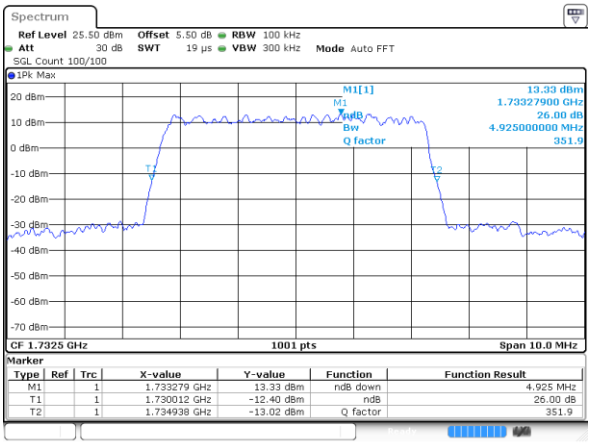
Lowest Channel / 5MHz / 64QAM



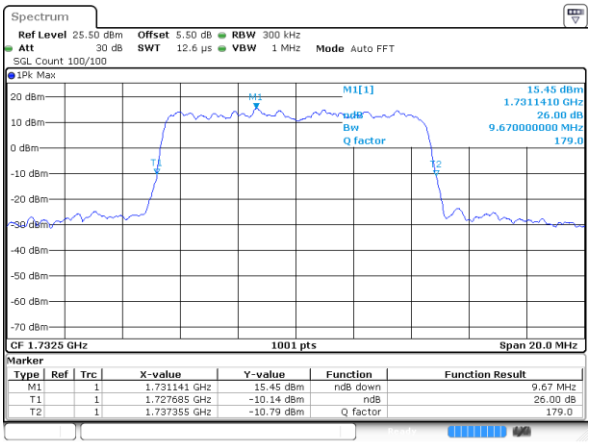
Lowest Channel / 10MHz / 64QAM



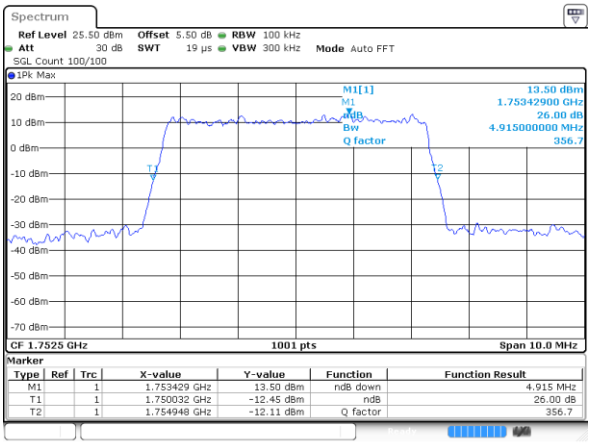
Middle Channel / 5MHz / 64QAM



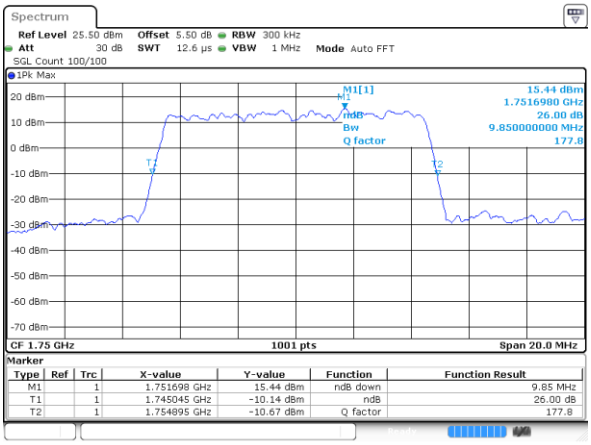
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

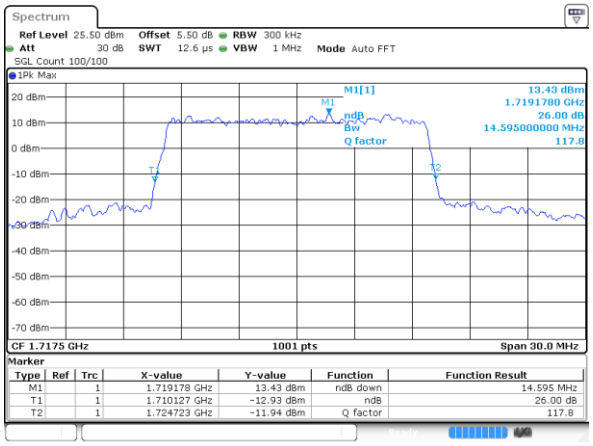


Highest Channel / 10MHz / 64QAM

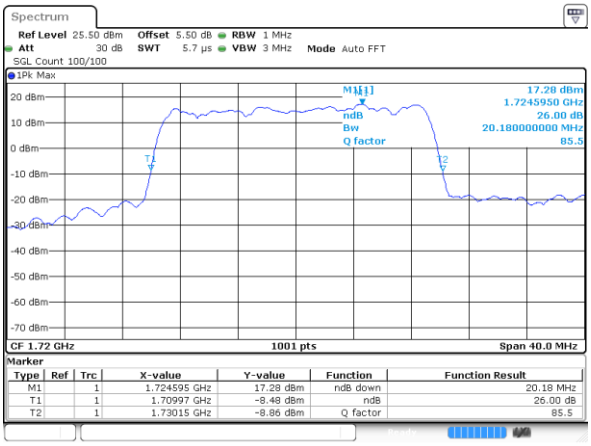


LTE Band 4

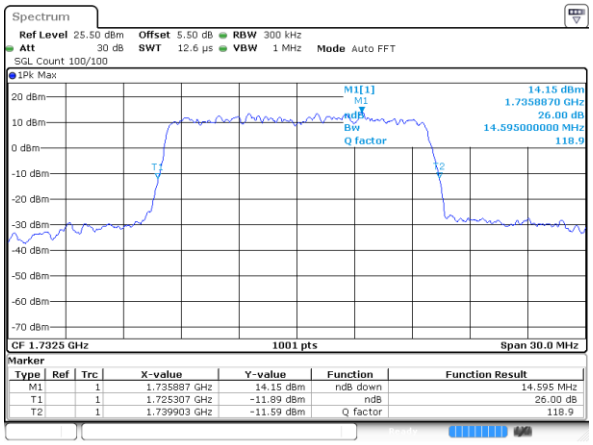
Lowest Channel / 15MHz / 64QAM



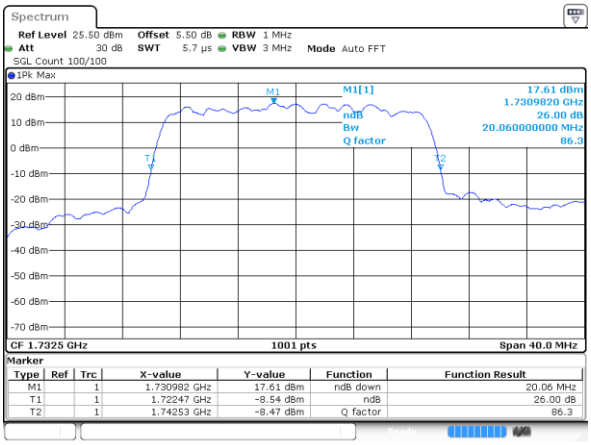
Lowest Channel / 20MHz / 64QAM



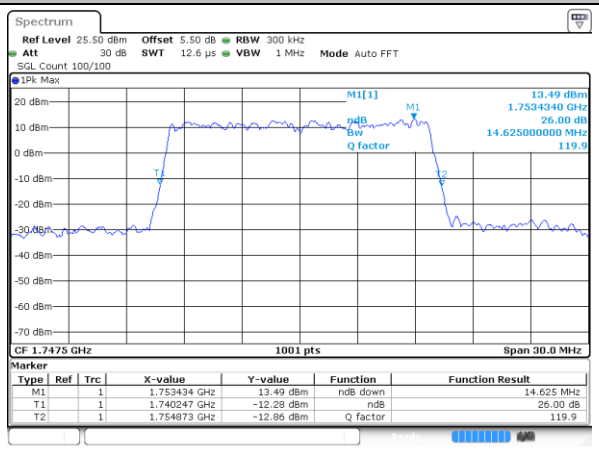
Middle Channel / 15MHz / 64QAM



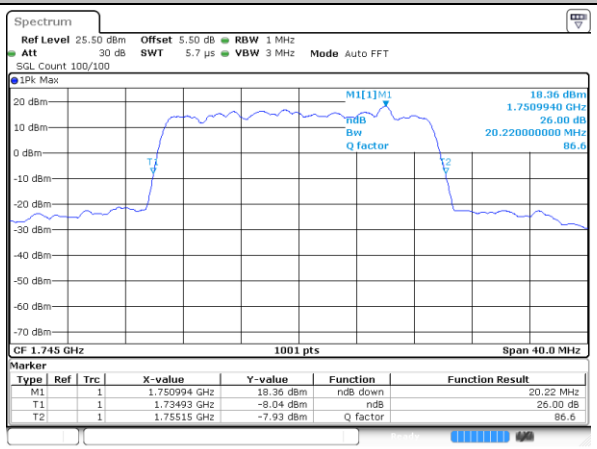
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

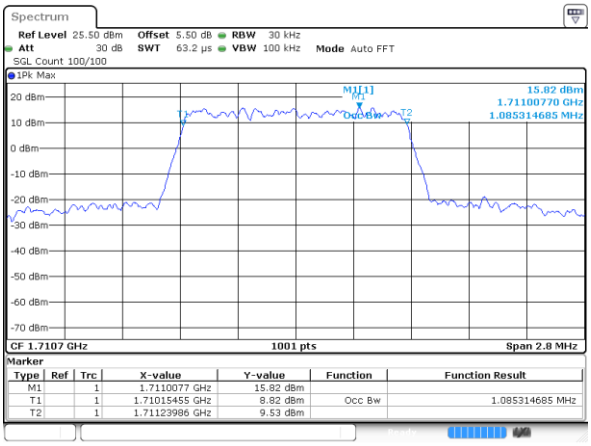


Occupied Bandwidth

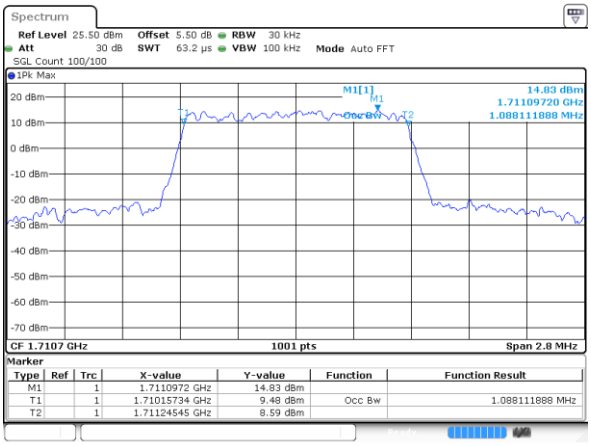
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.72	4.52	4.48	9.03	8.99	13.43	13.52	18.22	18.46
Middle CH	1.09	1.10	2.72	2.72	4.49	4.48	9.03	9.07	13.46	13.40	18.22	18.46
Highest CH	1.09	1.09	2.73	2.72	4.51	4.49	9.03	8.97	13.46	13.40	18.34	18.26
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.73	-	4.49	-	9.01	-	13.52	-	18.26	-
Middle CH	1.09	-	2.73	-	4.52	-	9.05	-	13.43	-	18.26	-
Highest CH	1.09	-	2.73	-	4.50	-	9.03	-	13.43	-	18.26	-

LTE Band 4

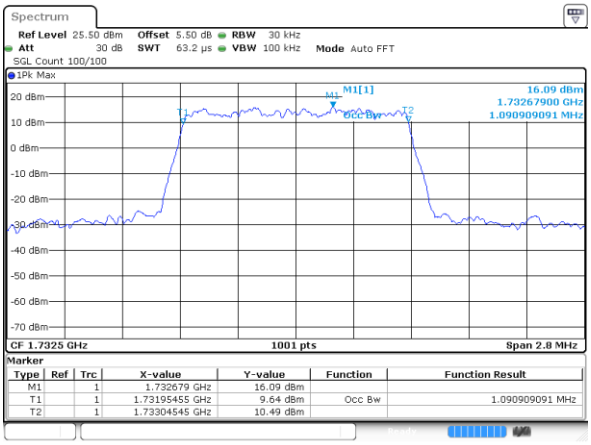
Lowest Channel / 1.4MHz / QPSK



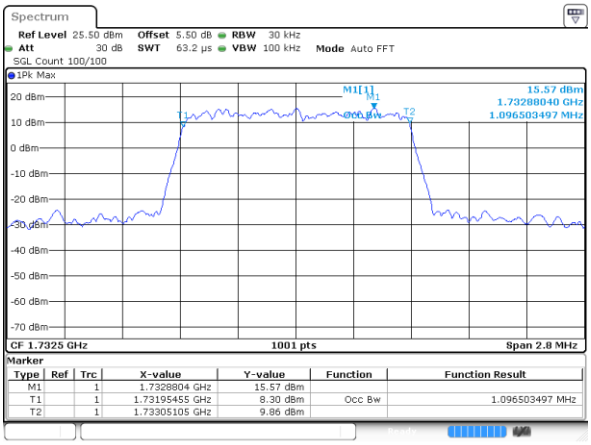
Lowest Channel / 1.4MHz / 16QAM



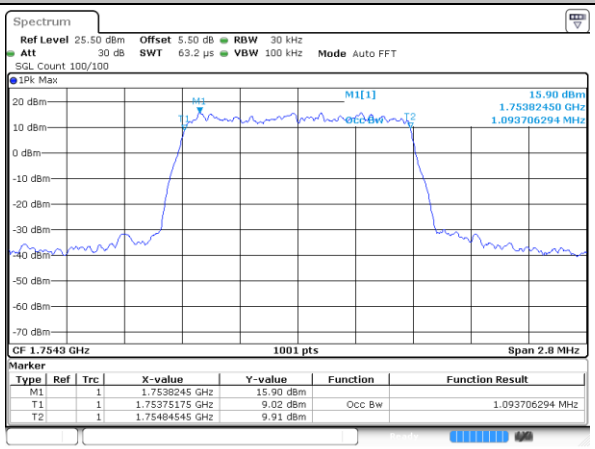
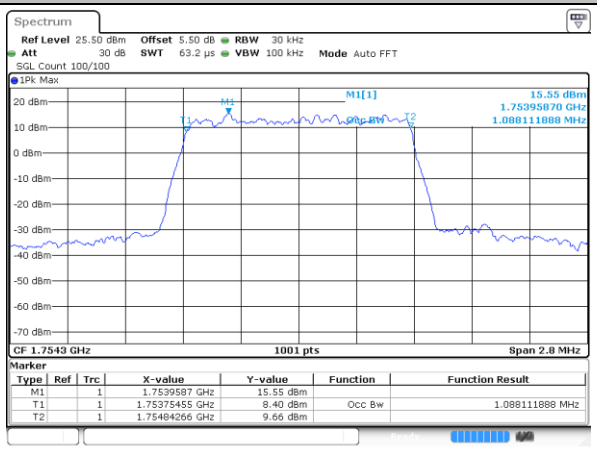
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM