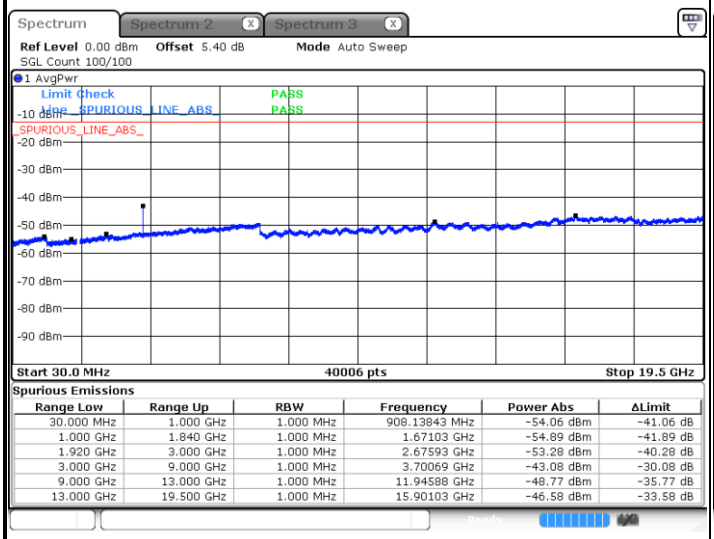
LTE Band 2 / 5MHz

Lowest Channel / QPSK

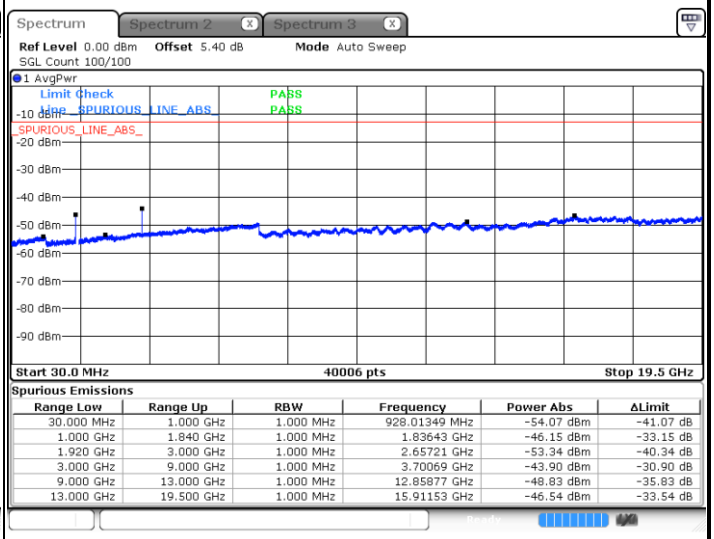


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.13843 MHz	-54.06 dBm	-41.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67103 GHz	-54.89 dBm	-41.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67593 GHz	-53.28 dBm	-40.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-43.08 dBm	-30.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94588 GHz	-48.77 dBm	-35.77 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90103 GHz	-46.58 dBm	-33.58 dB

Date: 27.NOV.2019 19:43:09

Lowest Channel / 16QAM

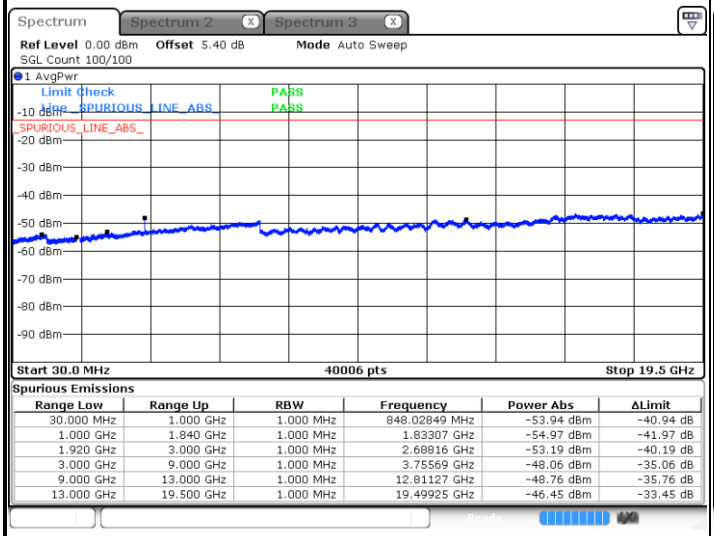


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-54.07 dBm	-41.07 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83643 GHz	-46.15 dBm	-33.15 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65721 GHz	-53.34 dBm	-40.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-43.90 dBm	-30.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85877 GHz	-48.83 dBm	-35.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91153 GHz	-46.54 dBm	-33.54 dB

Date: 27.NOV.2019 19:44:04

Middle Channel / QPSK

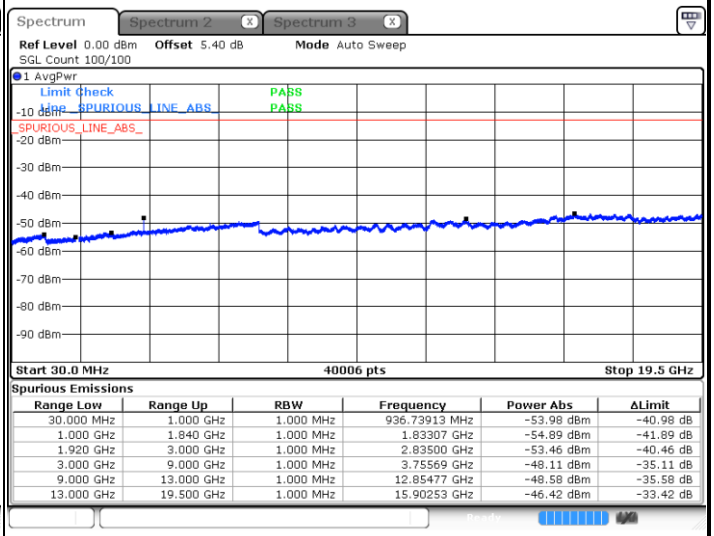


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	848.02849 MHz	-53.94 dBm	-40.94 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83307 GHz	-54.97 dBm	-41.97 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68816 GHz	-53.19 dBm	-40.19 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75569 GHz	-48.06 dBm	-35.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.81127 GHz	-48.76 dBm	-35.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.49925 GHz	-46.45 dBm	-33.45 dB

Date: 27.NOV.2019 19:45:39

Middle Channel / 16QAM



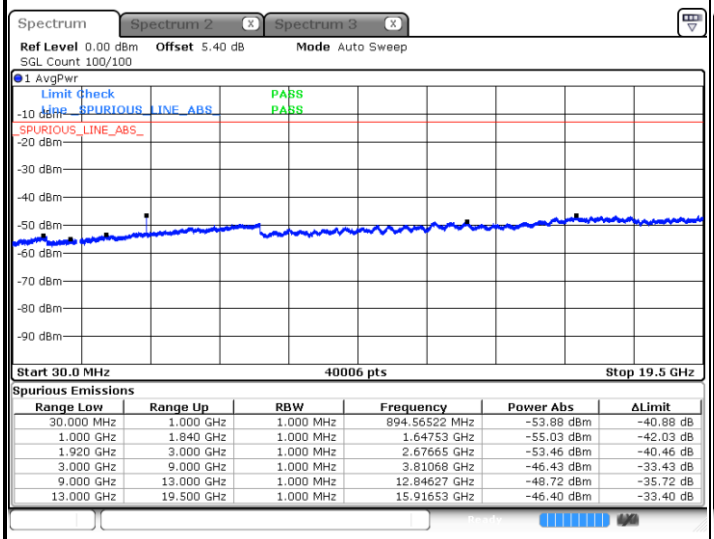
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-53.98 dBm	-40.98 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83307 GHz	-54.89 dBm	-41.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83500 GHz	-53.46 dBm	-40.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75569 GHz	-48.11 dBm	-35.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85477 GHz	-48.58 dBm	-35.58 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90253 GHz	-46.42 dBm	-33.42 dB

Date: 27.NOV.2019 19:46:34

LTE Band 2 / 5MHz

Highest Channel / QPSK

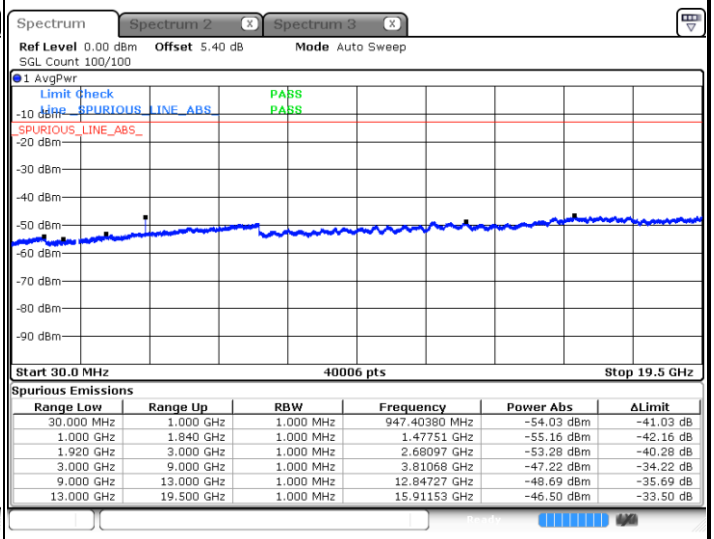


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.56522 MHz	-53.88 dBm	-40.88 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64753 GHz	-55.03 dBm	-42.03 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67665 GHz	-53.46 dBm	-40.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-46.43 dBm	-33.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84627 GHz	-48.72 dBm	-35.72 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91653 GHz	-46.40 dBm	-33.40 dB

Date: 27.NOV.2019 19:52:39

Highest Channel / 16QAM



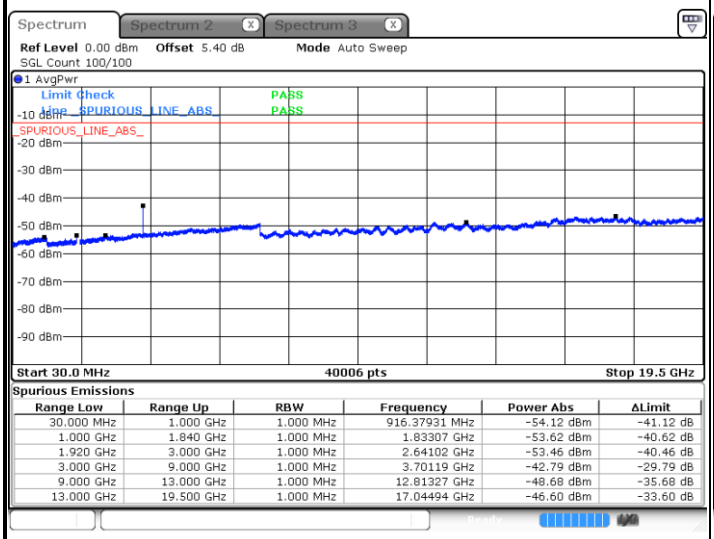
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.47751 GHz	-55.16 dBm	-42.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68097 GHz	-53.28 dBm	-40.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-47.22 dBm	-34.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84727 GHz	-48.69 dBm	-35.69 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91153 GHz	-46.50 dBm	-33.50 dB

Date: 27.NOV.2019 19:53:34

LTE Band 2 / 10MHz

Lowest Channel / QPSK

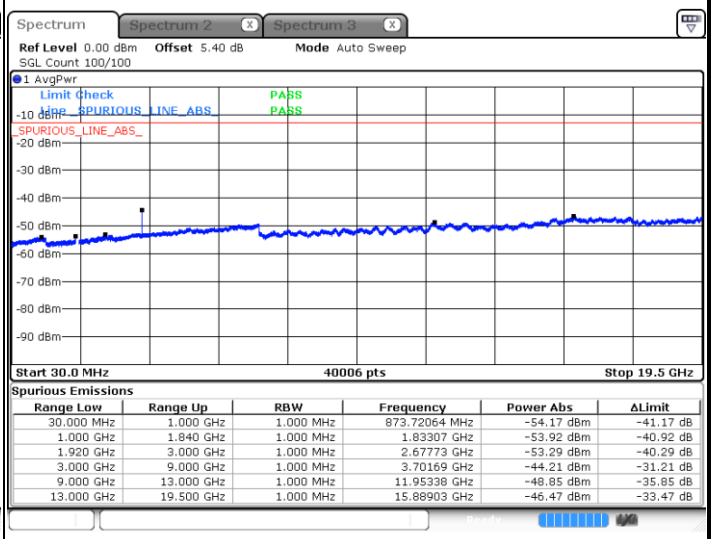


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.37931 MHz	-54.12 dBm	-41.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83307 GHz	-53.62 dBm	-40.62 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64102 GHz	-53.46 dBm	-40.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-42.79 dBm	-29.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.81327 GHz	-48.68 dBm	-35.68 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.04494 GHz	-46.60 dBm	-33.60 dB

Date: 27.NOV.2019 19:59:39

Lowest Channel / 16QAM



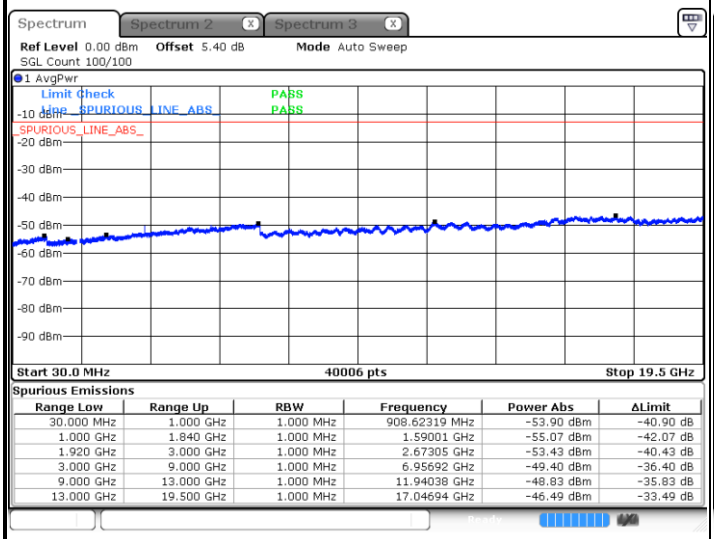
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	873.72064 MHz	-54.17 dBm	-41.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83307 GHz	-53.92 dBm	-40.92 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67773 GHz	-53.29 dBm	-40.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-44.21 dBm	-31.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95338 GHz	-48.85 dBm	-35.85 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.88903 GHz	-46.47 dBm	-33.47 dB

Date: 27.NOV.2019 20:00:34

LTE Band 2 / 10MHz

Middle Channel / QPSK

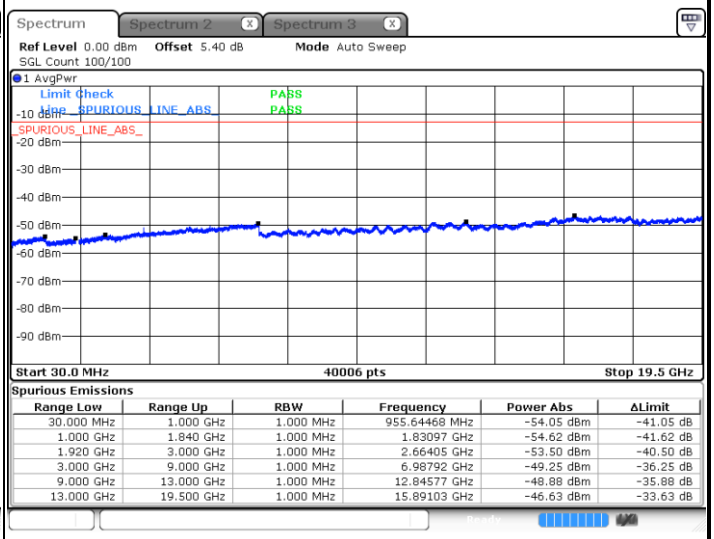


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.62319 MHz	-53.90 dBm	-40.90 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59001 GHz	-55.07 dBm	-42.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67305 GHz	-53.43 dBm	-40.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95692 GHz	-49.40 dBm	-36.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94038 GHz	-48.83 dBm	-35.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.04694 GHz	-46.49 dBm	-33.49 dB

Date: 27.NOV.2019 20:02:10

Middle Channel / 16QAM

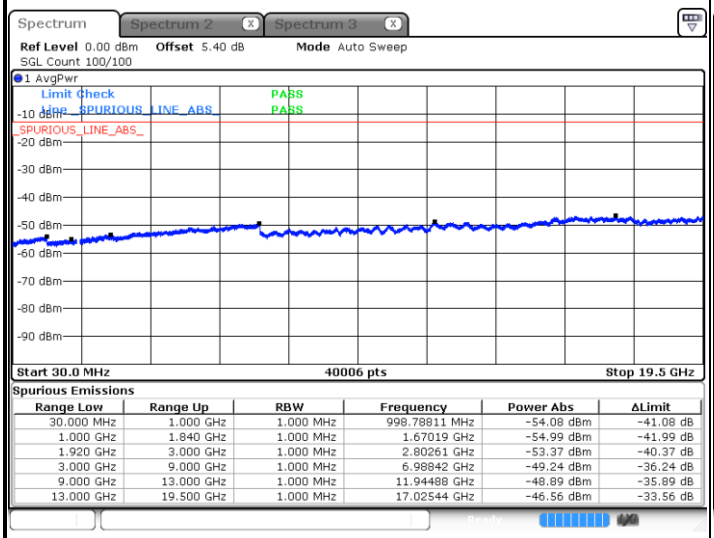


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-54.05 dBm	-41.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83097 GHz	-54.62 dBm	-41.62 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66405 GHz	-53.50 dBm	-40.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98792 GHz	-49.25 dBm	-36.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84577 GHz	-48.88 dBm	-35.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89103 GHz	-46.63 dBm	-33.63 dB

Date: 27.NOV.2019 20:03:04

Highest Channel / QPSK

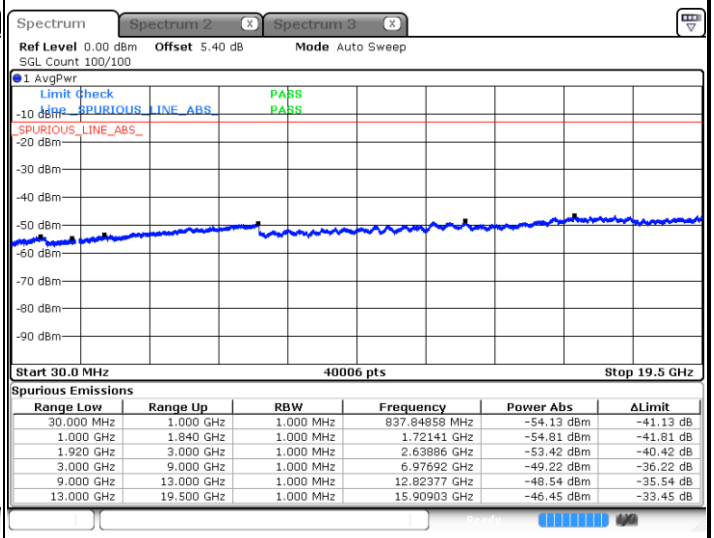


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-54.08 dBm	-41.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67019 GHz	-54.99 dBm	-41.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80261 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-49.24 dBm	-36.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94488 GHz	-48.89 dBm	-35.89 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.02544 GHz	-46.56 dBm	-33.56 dB

Date: 27.NOV.2019 20:09:10

Highest Channel / 16QAM



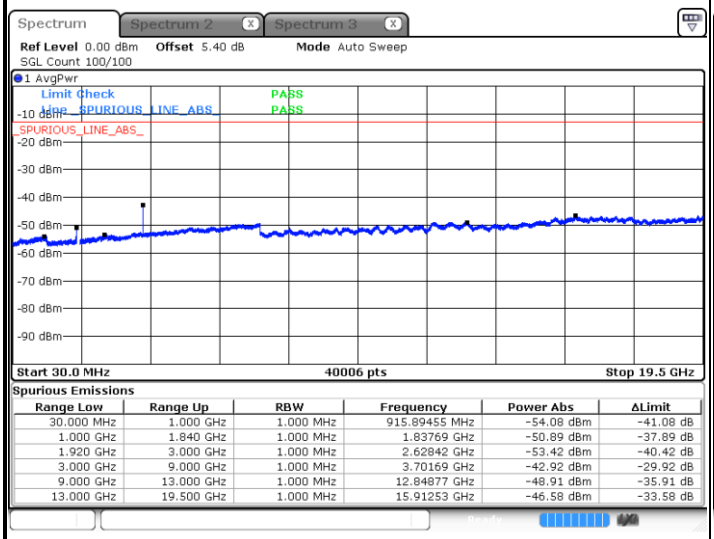
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	837.84858 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.72141 GHz	-54.81 dBm	-41.81 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63886 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97692 GHz	-49.22 dBm	-36.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82377 GHz	-48.54 dBm	-35.54 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90903 GHz	-46.45 dBm	-33.45 dB

Date: 27.NOV.2019 20:10:04

LTE Band 2 / 15MHz

Lowest Channel / QPSK

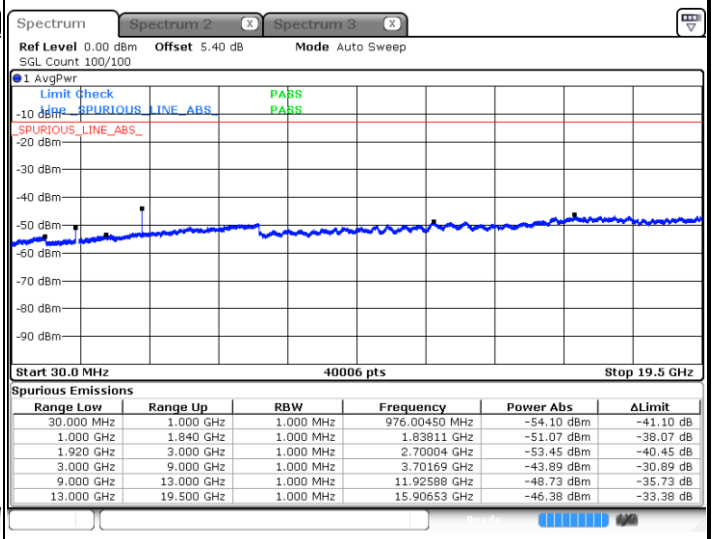


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.89455 MHz	-54.08 dBm	-41.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-50.89 dBm	-37.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62842 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-42.92 dBm	-29.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84877 GHz	-48.91 dBm	-35.91 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91253 GHz	-46.58 dBm	-33.58 dB

Date: 27.NOV.2019 20:16:09

Lowest Channel / 16QAM

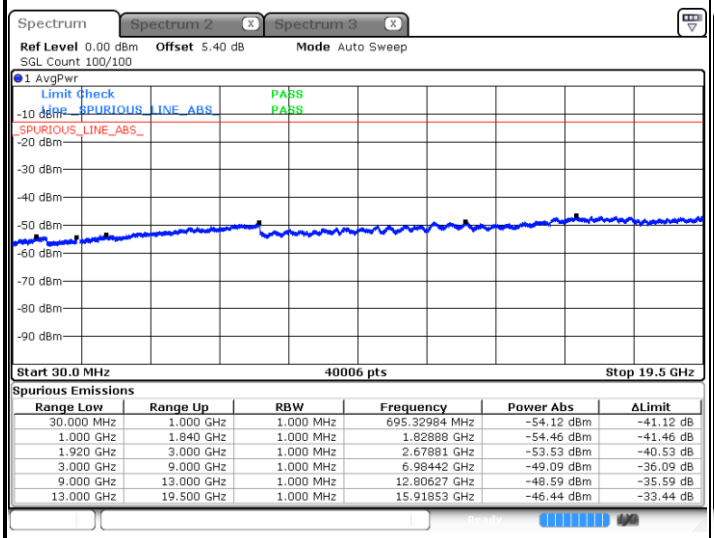


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-54.10 dBm	-41.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-51.07 dBm	-38.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.70004 GHz	-53.45 dBm	-40.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-43.89 dBm	-30.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.92588 GHz	-48.73 dBm	-35.73 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90653 GHz	-46.38 dBm	-33.38 dB

Date: 27.NOV.2019 20:17:04

Middle Channel / QPSK

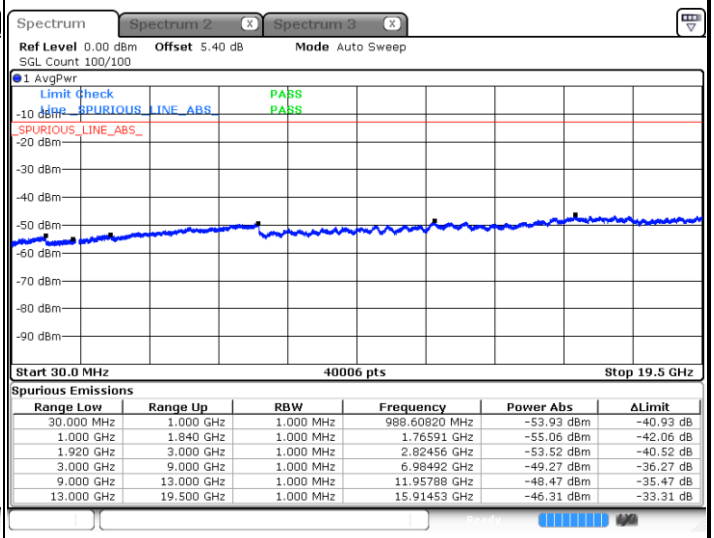


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	695.32984 MHz	-54.12 dBm	-41.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82888 GHz	-54.46 dBm	-41.46 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67881 GHz	-53.53 dBm	-40.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98442 GHz	-49.09 dBm	-36.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.80627 GHz	-48.59 dBm	-35.59 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91853 GHz	-46.44 dBm	-33.44 dB

Date: 27.NOV.2019 20:18:39

Middle Channel / 16QAM



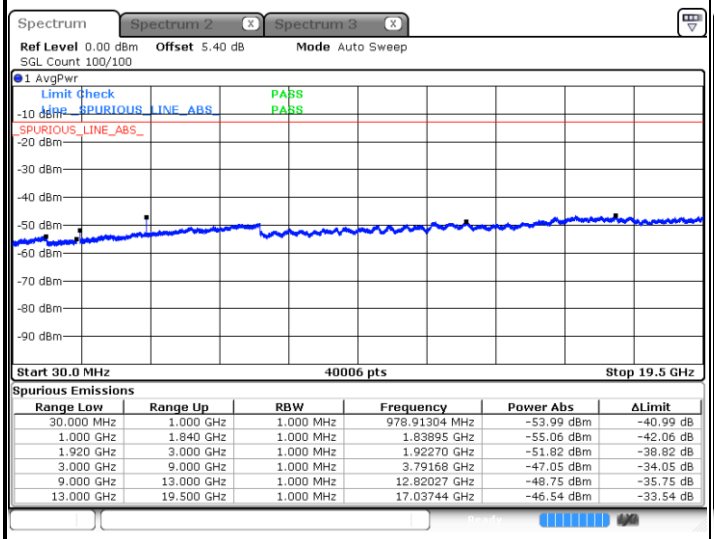
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-53.93 dBm	-40.93 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76591 GHz	-55.06 dBm	-42.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82456 GHz	-53.52 dBm	-40.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98492 GHz	-49.27 dBm	-36.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95788 GHz	-48.47 dBm	-35.47 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91453 GHz	-46.31 dBm	-33.31 dB

Date: 27.NOV.2019 20:19:34

LTE Band 2 / 15MHz

Highest Channel / QPSK

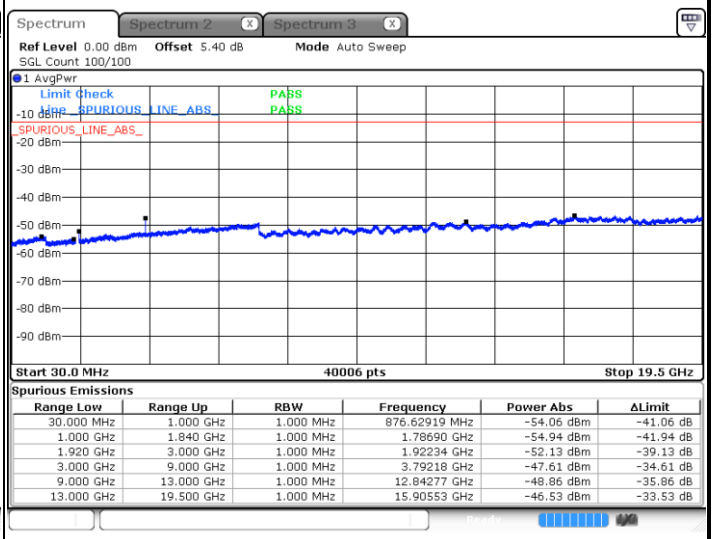


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.91304 MHz	-53.99 dBm	-40.99 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-55.06 dBm	-42.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-51.82 dBm	-38.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-47.05 dBm	-34.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82027 GHz	-48.75 dBm	-35.75 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03744 GHz	-46.54 dBm	-33.54 dB

Date: 27.NOV.2019 20:25:39

Highest Channel / 16QAM



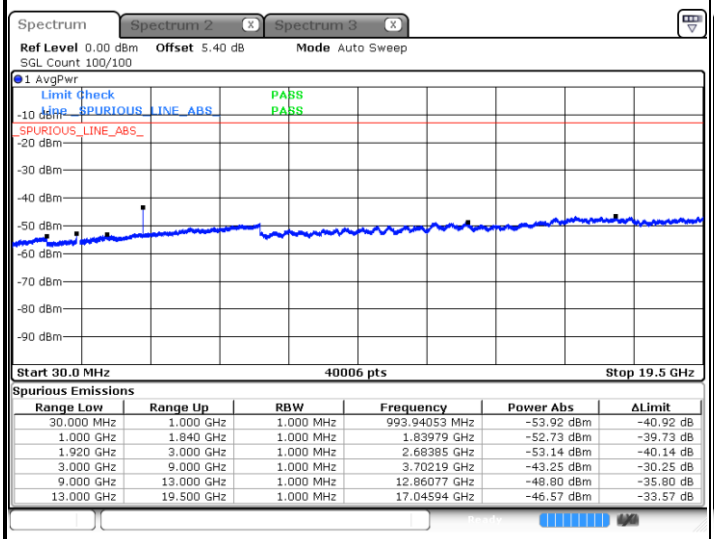
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.62919 MHz	-54.06 dBm	-41.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78690 GHz	-54.94 dBm	-41.94 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92234 GHz	-52.13 dBm	-39.13 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79218 GHz	-47.61 dBm	-34.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84277 GHz	-48.86 dBm	-35.86 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90553 GHz	-46.53 dBm	-33.53 dB

Date: 27.NOV.2019 20:26:34

LTE Band 2 / 20MHz

Lowest Channel / QPSK

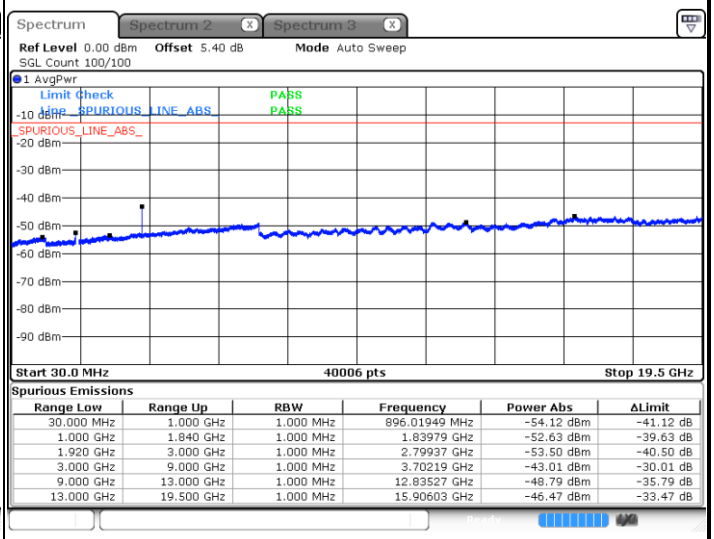


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-53.92 dBm	-40.92 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-52.73 dBm	-39.73 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68385 GHz	-53.14 dBm	-40.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-43.25 dBm	-30.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86077 GHz	-48.80 dBm	-35.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.04594 GHz	-46.57 dBm	-33.57 dB

Date: 27.NOV.2019 20:32:39

Lowest Channel / 16QAM



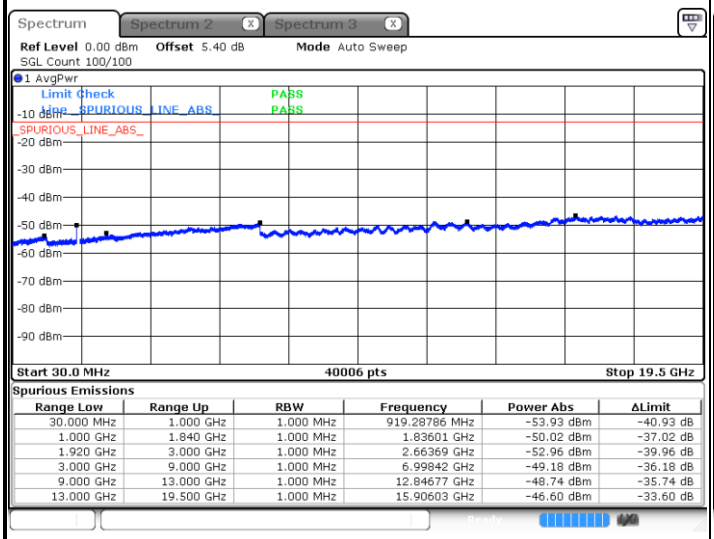
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.01949 MHz	-54.12 dBm	-41.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-52.63 dBm	-39.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.79937 GHz	-53.50 dBm	-40.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-43.01 dBm	-30.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83527 GHz	-48.79 dBm	-35.79 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90603 GHz	-46.47 dBm	-33.47 dB

Date: 27.NOV.2019 20:33:34

LTE Band 2 / 20MHz

Middle Channel / QPSK

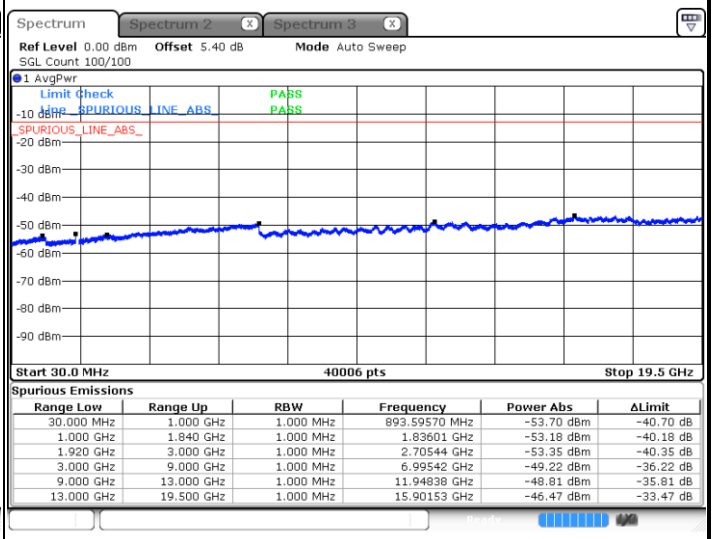


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-53.93 dBm	-40.93 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83601 GHz	-50.02 dBm	-37.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66369 GHz	-52.96 dBm	-39.96 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99842 GHz	-49.18 dBm	-36.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84677 GHz	-48.74 dBm	-35.74 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90603 GHz	-46.60 dBm	-33.60 dB

Date: 27.NOV.2019 20:35:09

Middle Channel / 16QAM

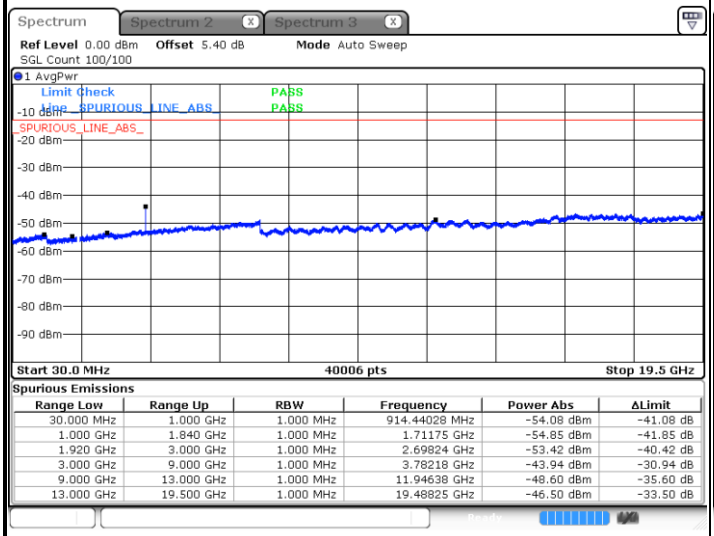


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.59570 MHz	-53.70 dBm	-40.70 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83601 GHz	-53.18 dBm	-40.18 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.70544 GHz	-53.35 dBm	-40.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99542 GHz	-49.22 dBm	-36.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94838 GHz	-48.81 dBm	-35.81 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90153 GHz	-46.47 dBm	-33.47 dB

Date: 27.NOV.2019 20:36:04

Highest Channel / QPSK

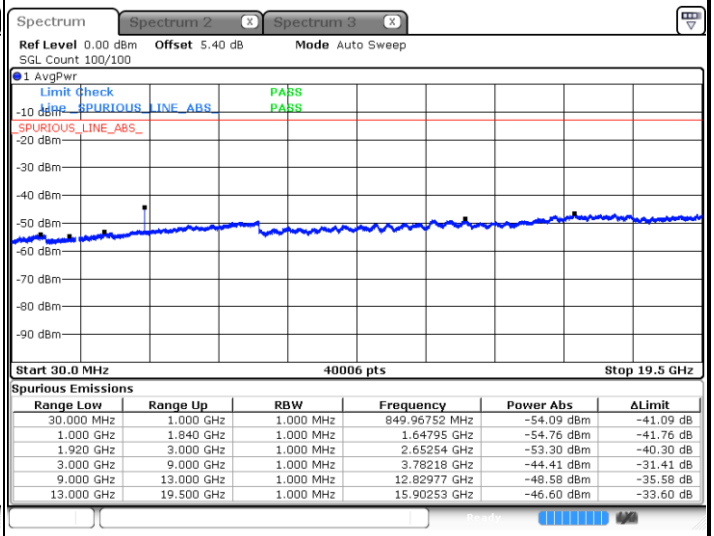


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-54.08 dBm	-41.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71175 GHz	-54.85 dBm	-41.85 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69824 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-43.94 dBm	-30.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94638 GHz	-48.60 dBm	-35.60 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.48825 GHz	-46.50 dBm	-33.50 dB

Date: 27.NOV.2019 20:42:09

Highest Channel / 16QAM



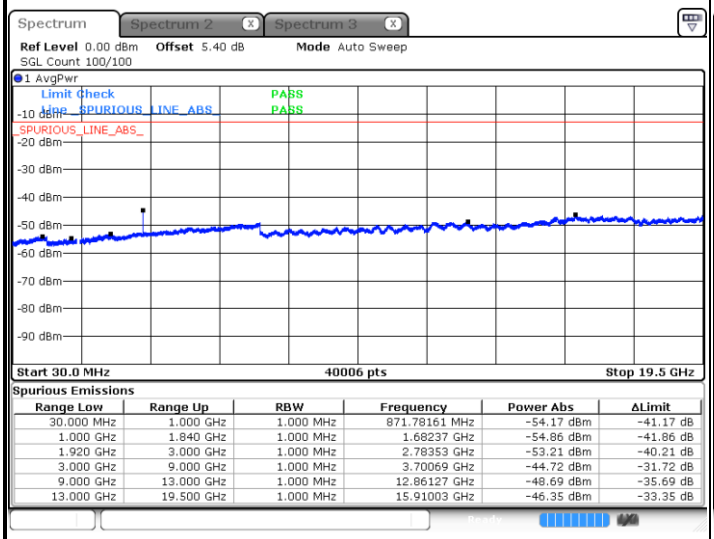
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	849.96752 MHz	-54.09 dBm	-41.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64795 GHz	-54.76 dBm	-41.76 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65254 GHz	-53.30 dBm	-40.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-44.41 dBm	-31.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82977 GHz	-48.58 dBm	-35.58 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90253 GHz	-46.60 dBm	-33.60 dB

Date: 27.NOV.2019 20:43:04

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

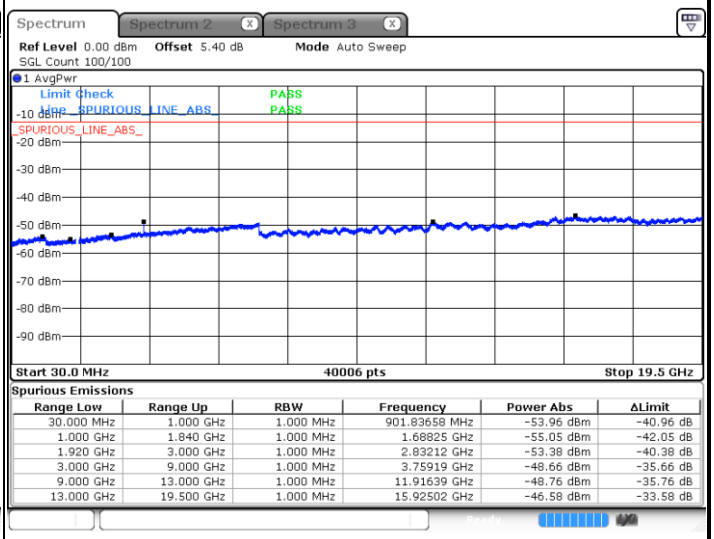


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.78161 MHz	-54.17 dBm	-41.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68237 GHz	-54.86 dBm	-41.86 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.78353 GHz	-53.21 dBm	-40.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-44.72 dBm	-31.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86127 GHz	-48.69 dBm	-35.69 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91003 GHz	-46.35 dBm	-33.35 dB

Date: 27.NOV.2019 21:17:03

Middle Channel / 64QAM

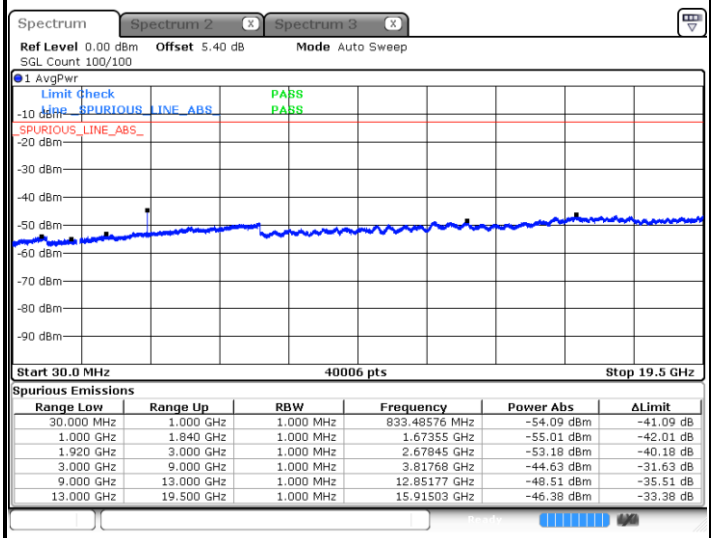


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.83658 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68825 GHz	-55.05 dBm	-42.05 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83212 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75919 GHz	-48.66 dBm	-35.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.91639 GHz	-48.76 dBm	-35.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.92502 GHz	-46.58 dBm	-33.58 dB

Date: 27.NOV.2019 21:17:58

Highest Channel / 64QAM



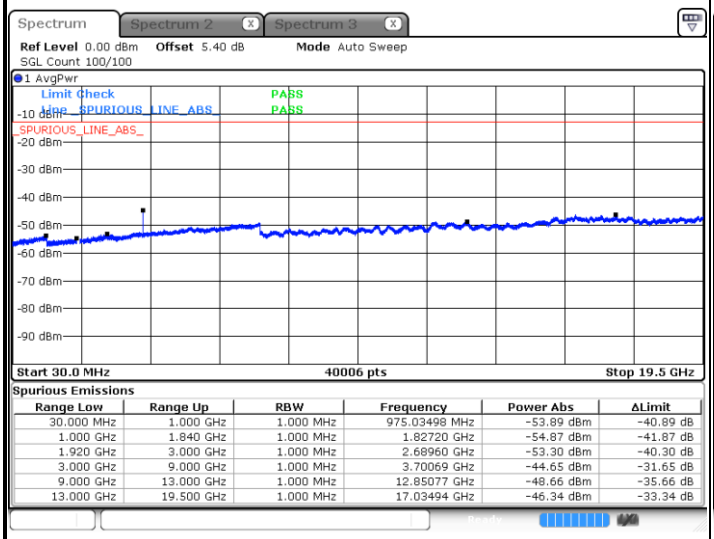
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	833.48576 MHz	-54.09 dBm	-41.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67355 GHz	-55.01 dBm	-42.01 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67845 GHz	-53.18 dBm	-40.18 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81768 GHz	-44.63 dBm	-31.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85177 GHz	-48.51 dBm	-35.51 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91503 GHz	-46.38 dBm	-33.38 dB

Date: 27.NOV.2019 21:18:53

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

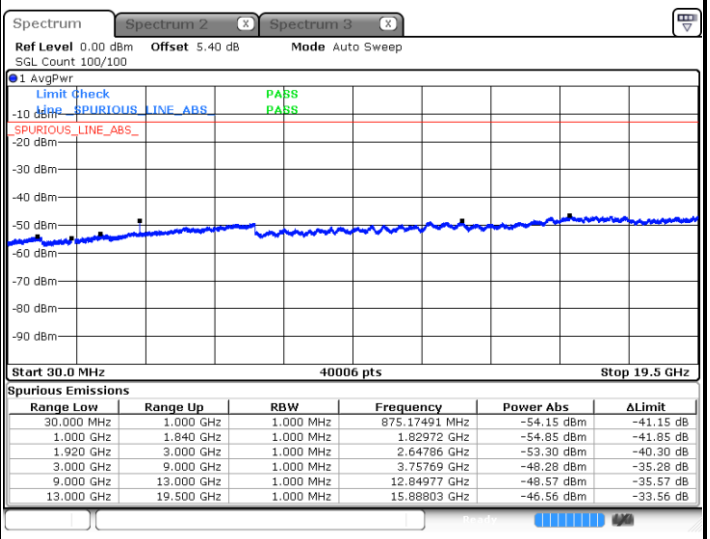


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.03498 MHz	-53.89 dBm	-40.89 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82720 GHz	-54.87 dBm	-41.87 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68960 GHz	-53.30 dBm	-40.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-44.65 dBm	-31.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85077 GHz	-48.66 dBm	-35.66 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03494 GHz	-46.34 dBm	-33.34 dB

Date: 27.NOV.2019 21:19:48

Middle Channel / 64QAM

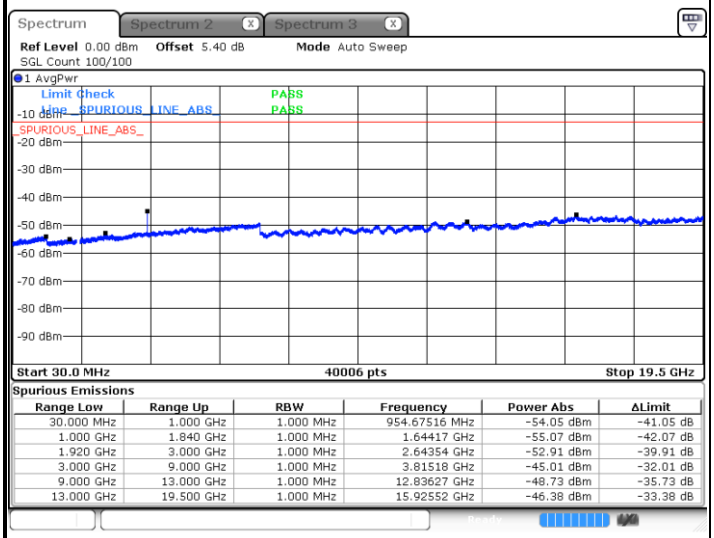


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	875.17491 MHz	-54.15 dBm	-41.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82972 GHz	-54.85 dBm	-41.85 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64786 GHz	-53.30 dBm	-40.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75769 GHz	-48.28 dBm	-35.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84977 GHz	-48.57 dBm	-35.57 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.88803 GHz	-46.56 dBm	-33.56 dB

Date: 27.NOV.2019 21:20:43

Highest Channel / 64QAM



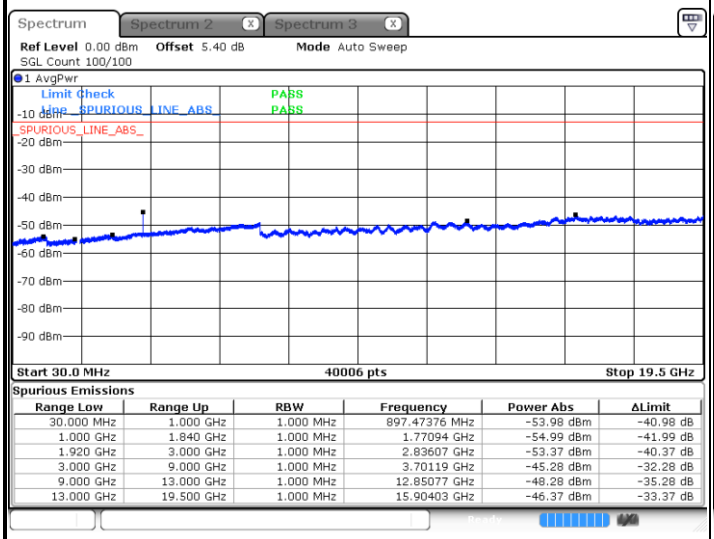
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-54.05 dBm	-41.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64417 GHz	-55.07 dBm	-42.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64354 GHz	-52.91 dBm	-39.91 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81518 GHz	-45.01 dBm	-32.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83627 GHz	-48.73 dBm	-35.73 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.92552 GHz	-46.38 dBm	-33.38 dB

Date: 27.NOV.2019 21:21:38

LTE Band 2 / 5MHz

Lowest Channel / 64QAM

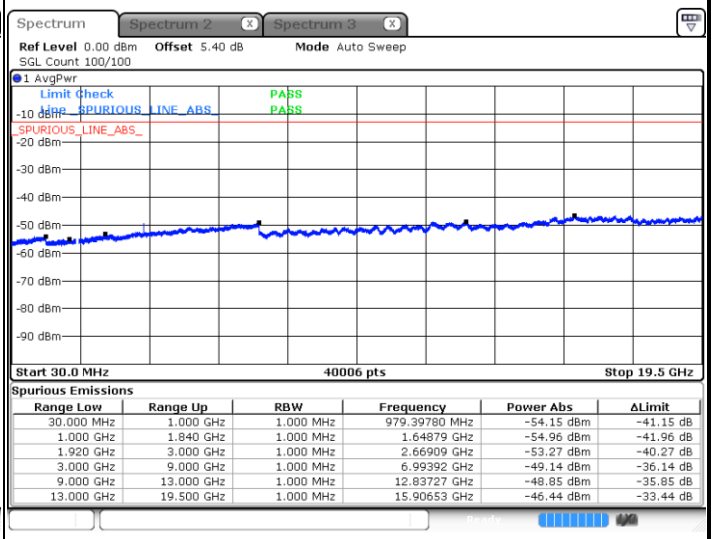


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.47376 MHz	-53.98 dBm	-40.98 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77094 GHz	-54.99 dBm	-41.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83607 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-45.28 dBm	-32.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85077 GHz	-48.28 dBm	-35.28 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90403 GHz	-46.37 dBm	-33.37 dB

Date: 27.NOV.2019 21:22:33

Middle Channel / 64QAM

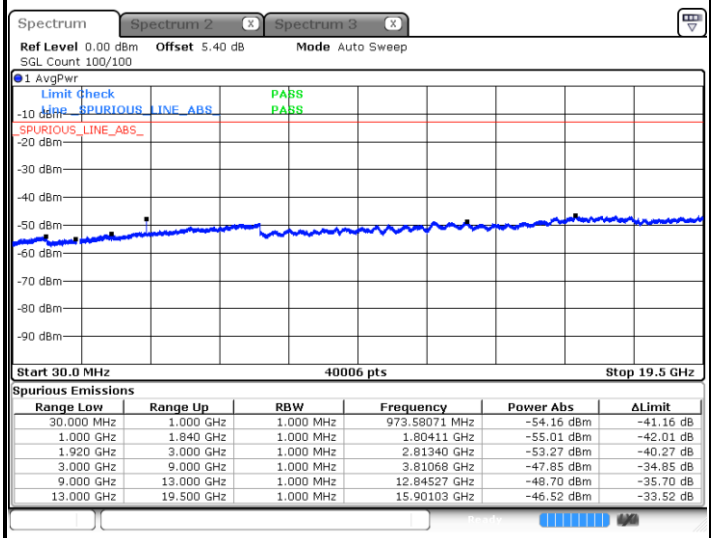


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.39780 MHz	-54.15 dBm	-41.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64879 GHz	-54.96 dBm	-41.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66909 GHz	-53.27 dBm	-40.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-49.14 dBm	-36.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83727 GHz	-48.85 dBm	-35.85 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90653 GHz	-46.44 dBm	-33.44 dB

Date: 27.NOV.2019 21:23:27

Highest Channel / 64QAM



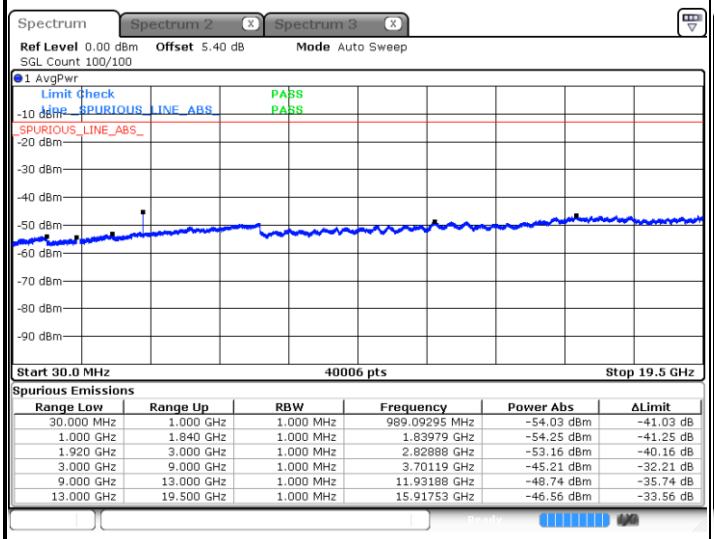
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-54.16 dBm	-41.16 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80411 GHz	-55.01 dBm	-42.01 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81340 GHz	-53.27 dBm	-40.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-47.85 dBm	-34.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84527 GHz	-48.70 dBm	-35.70 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90103 GHz	-46.52 dBm	-33.52 dB

Date: 27.NOV.2019 21:24:22

LTE Band 2 / 10MHz

Lowest Channel / 64QAM

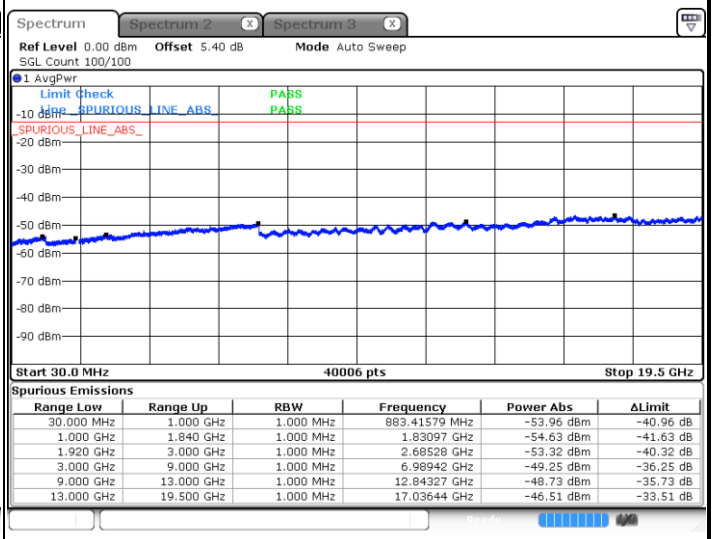


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-54.25 dBm	-41.25 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82888 GHz	-53.16 dBm	-40.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-45.21 dBm	-32.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.93188 GHz	-48.74 dBm	-35.74 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91753 GHz	-46.56 dBm	-33.56 dB

Date: 27.NOV.2019 21:25:17

Middle Channel / 64QAM

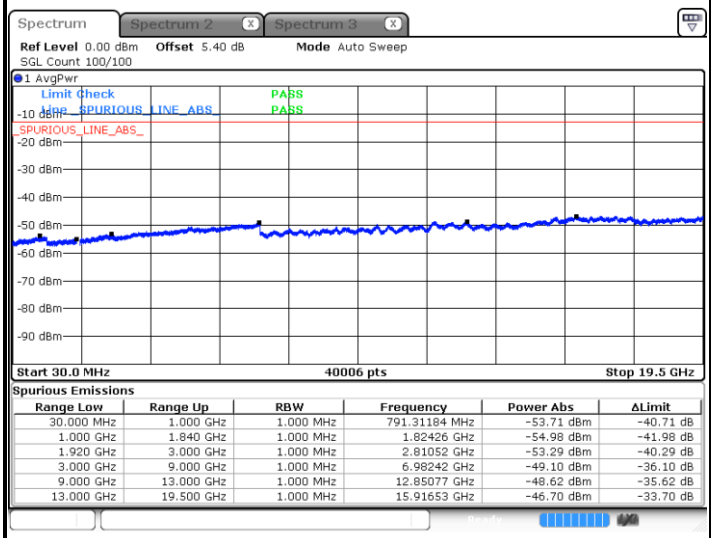


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	883.41579 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83097 GHz	-54.63 dBm	-41.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68528 GHz	-53.32 dBm	-40.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-49.25 dBm	-36.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84327 GHz	-48.73 dBm	-35.73 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03644 GHz	-46.51 dBm	-33.51 dB

Date: 27.NOV.2019 21:26:12

Highest Channel / 64QAM



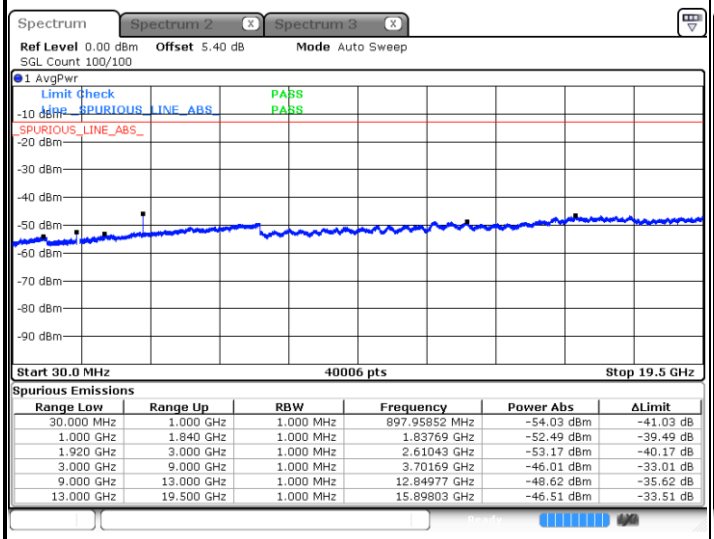
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	791.31184 MHz	-53.71 dBm	-40.71 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82426 GHz	-54.98 dBm	-41.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81052 GHz	-53.29 dBm	-40.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98242 GHz	-49.10 dBm	-36.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85077 GHz	-48.62 dBm	-35.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91653 GHz	-46.70 dBm	-33.70 dB

Date: 27.NOV.2019 21:27:06

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

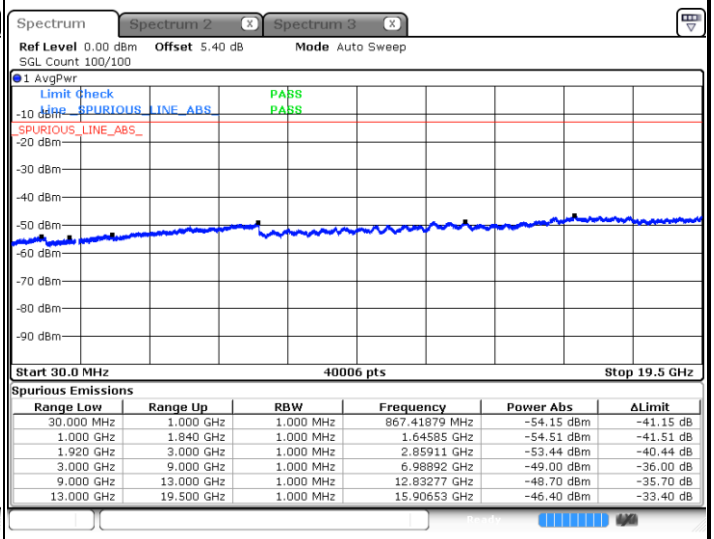


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.95852 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-52.49 dBm	-39.49 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.61043 GHz	-53.17 dBm	-40.17 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-46.01 dBm	-33.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84977 GHz	-48.62 dBm	-35.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89803 GHz	-46.51 dBm	-33.51 dB

Date: 27.NOV.2019 21:28:01

Middle Channel / 64QAM

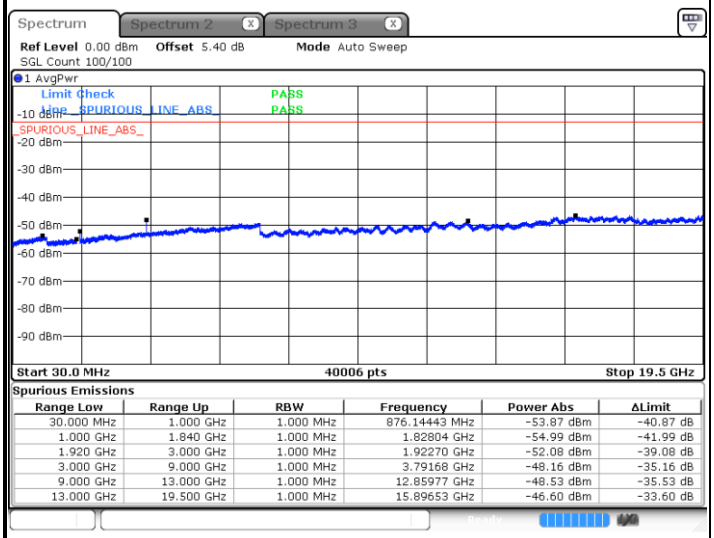


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	867.41879 MHz	-54.15 dBm	-41.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64585 GHz	-54.51 dBm	-41.51 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85911 GHz	-53.44 dBm	-40.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98892 GHz	-49.00 dBm	-36.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83277 GHz	-48.70 dBm	-35.70 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90653 GHz	-46.40 dBm	-33.40 dB

Date: 27.NOV.2019 21:28:56

Highest Channel / 64QAM



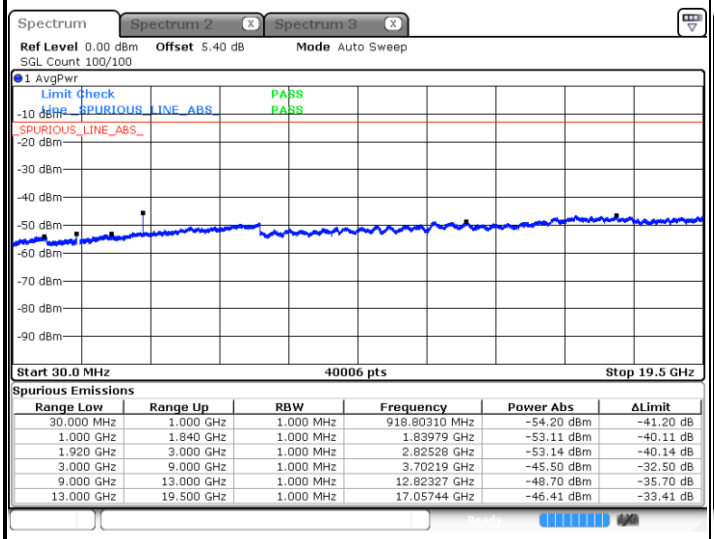
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.14443 MHz	-53.87 dBm	-40.87 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82804 GHz	-54.99 dBm	-41.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-52.08 dBm	-39.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-48.16 dBm	-35.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85977 GHz	-48.53 dBm	-35.53 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89653 GHz	-46.60 dBm	-33.60 dB

Date: 27.NOV.2019 21:29:51

LTE Band 2 / 20MHz

Lowest Channel / 64QAM

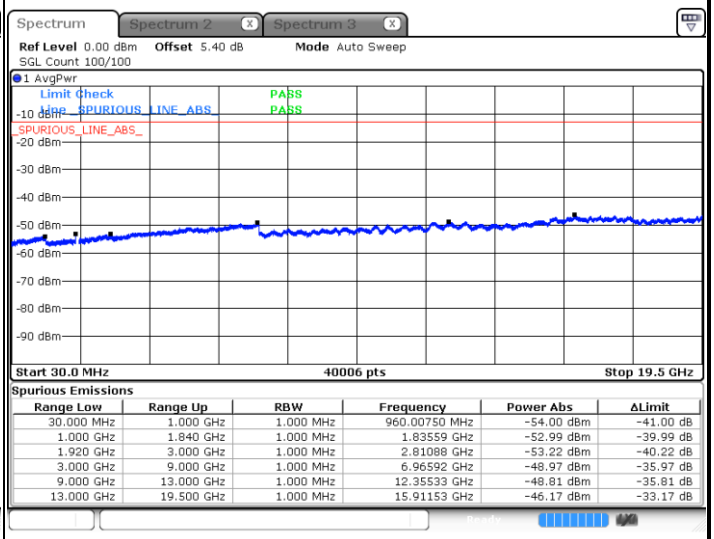


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.80310 MHz	-54.20 dBm	-41.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-53.11 dBm	-40.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82528 GHz	-53.14 dBm	-40.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-45.50 dBm	-32.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82327 GHz	-48.70 dBm	-35.70 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.05744 GHz	-46.41 dBm	-33.41 dB

Date: 27.NOV.2019 21:30:46

Middle Channel / 64QAM

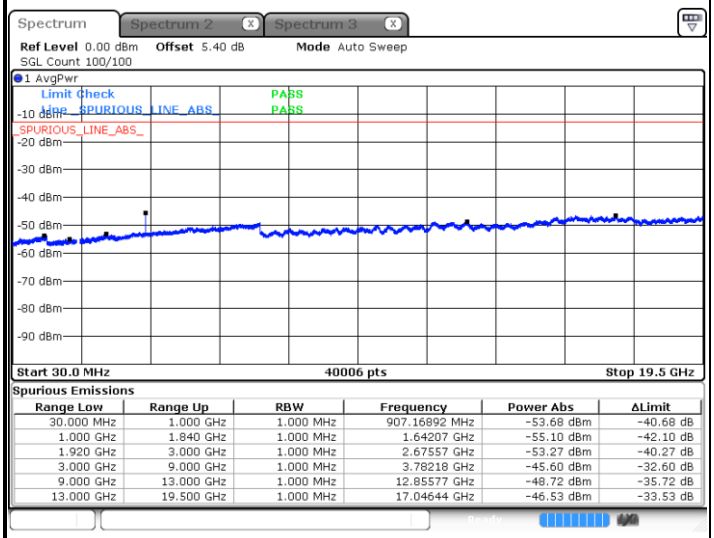


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-52.99 dBm	-39.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81088 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96592 GHz	-48.97 dBm	-35.97 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.35533 GHz	-48.81 dBm	-35.81 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91153 GHz	-46.17 dBm	-33.17 dB

Date: 27.NOV.2019 21:31:40

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-53.68 dBm	-40.68 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64207 GHz	-55.10 dBm	-42.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67557 GHz	-53.27 dBm	-40.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-45.60 dBm	-32.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85577 GHz	-48.72 dBm	-35.72 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.04644 GHz	-46.53 dBm	-33.53 dB

Date: 27.NOV.2019 21:32:35

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	0.0006	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 4

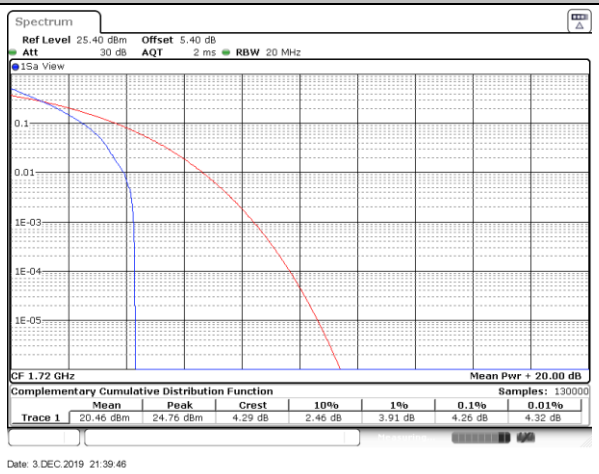
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.26	4.58	5.13	5.42	PASS
Middle CH	4.03	4.72	5.04	5.65	
Highest CH	4.38	4.81	5.16	5.71	

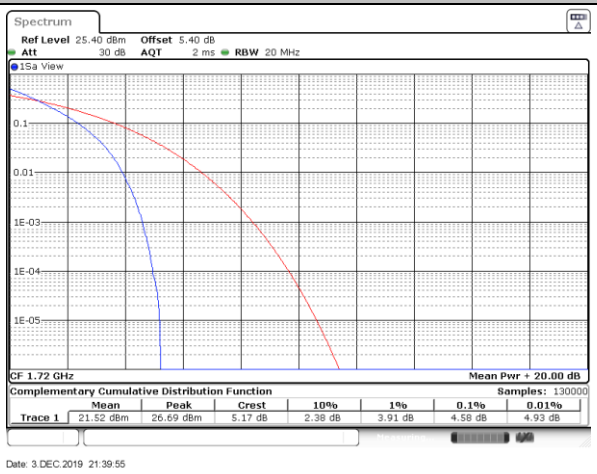
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.65	5.94			PASS
Middle CH	5.57	6.03			
Highest CH	5.91	6.12			

LTE Band 4 / 20MHz / QPSK

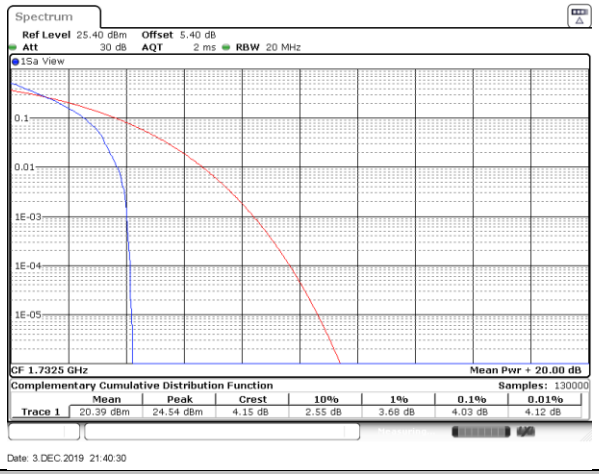
Lowest Channel / 1RB



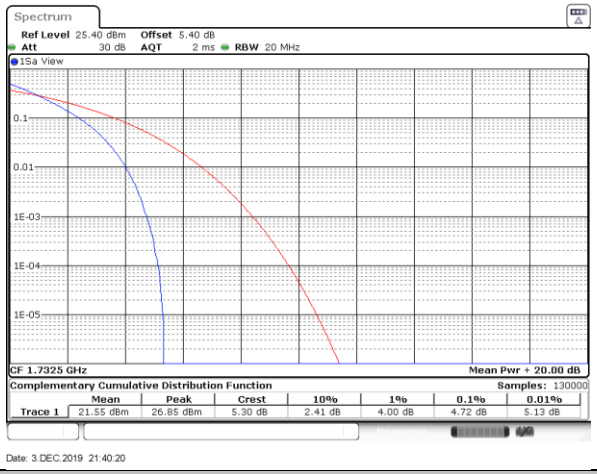
Lowest Channel / Full RB



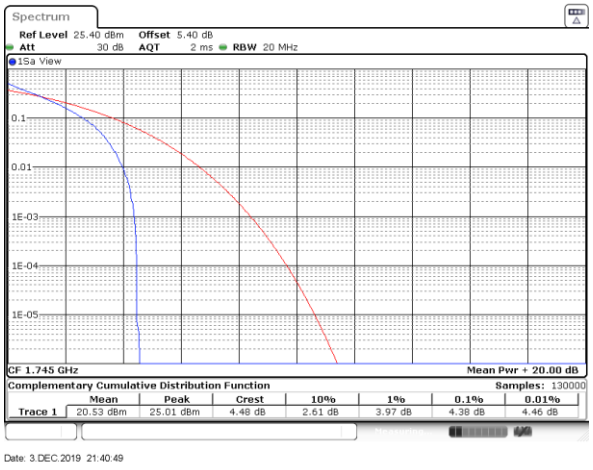
Middle Channel / 1RB



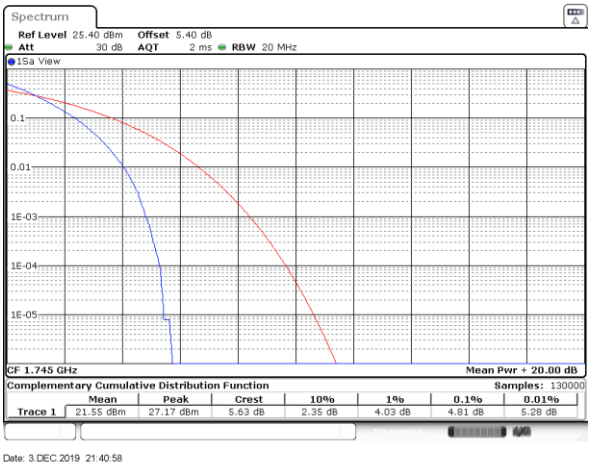
Middle Channel / Full RB



Highest Channel / 1RB

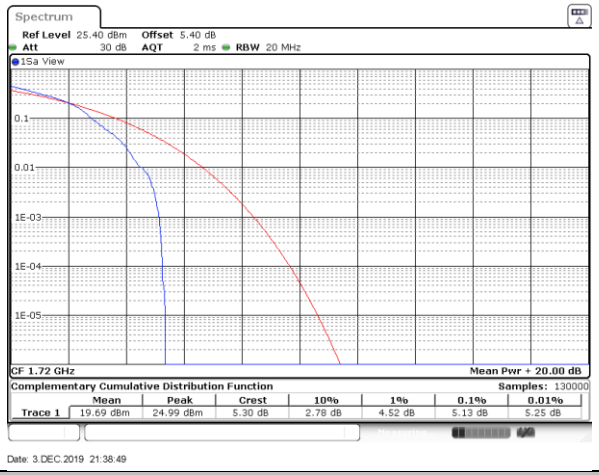


Highest Channel / Full RB

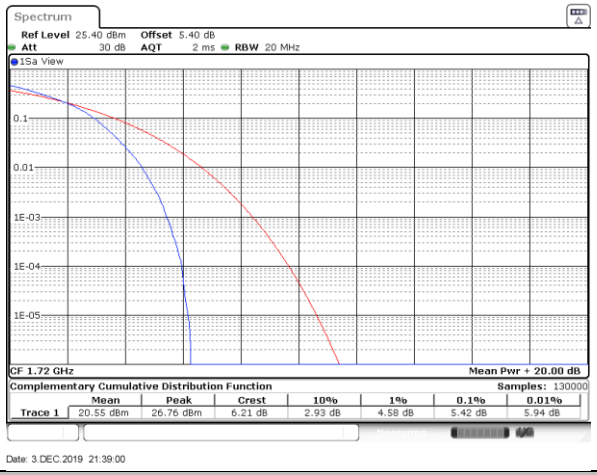


LTE Band 4 / 20MHz / 16QAM

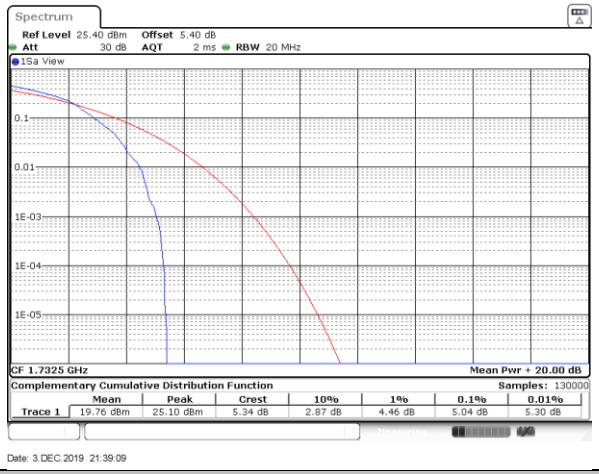
Lowest Channel / 1RB



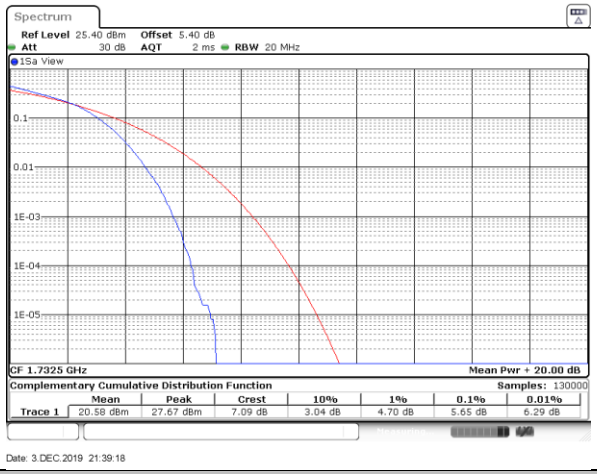
Lowest Channel / Full RB



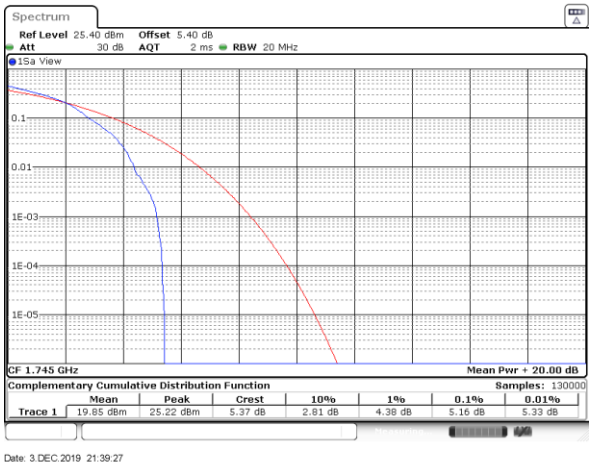
Middle Channel / 1RB



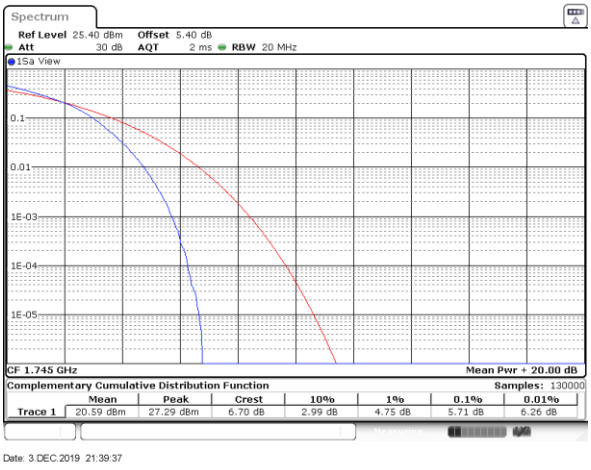
Middle Channel / Full RB



Highest Channel / 1RB

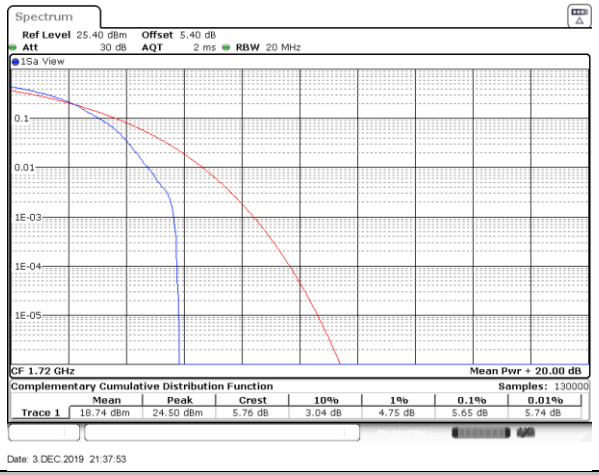


Highest Channel / Full RB

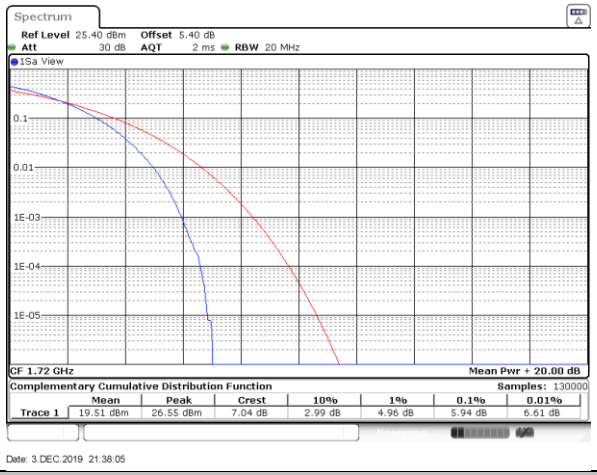


LTE Band 4 / 20MHz / 64QAM

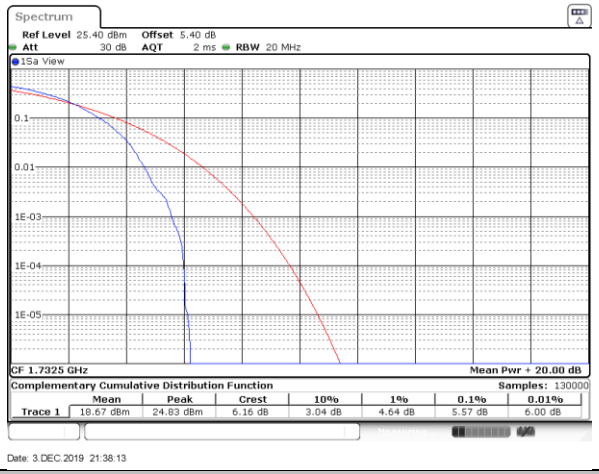
Lowest Channel / 1RB



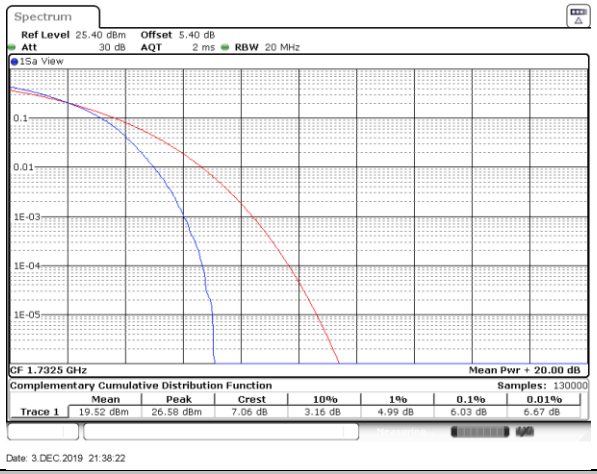
Lowest Channel / Full RB



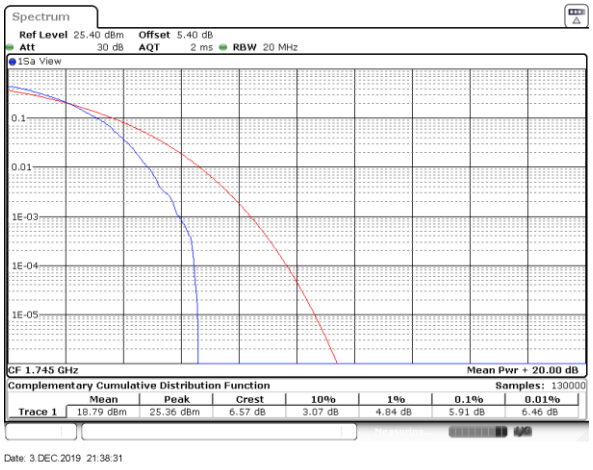
Middle Channel / 1RB



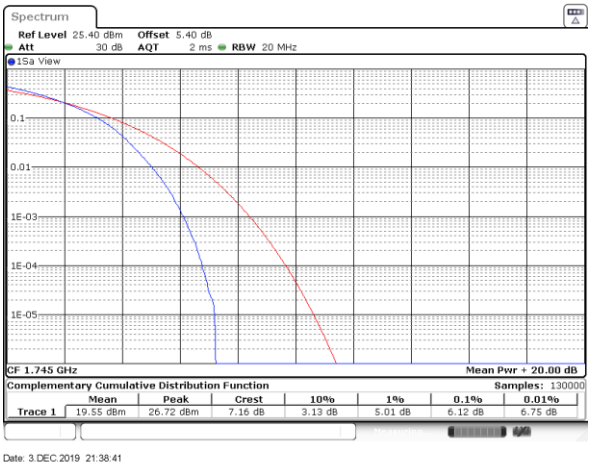
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

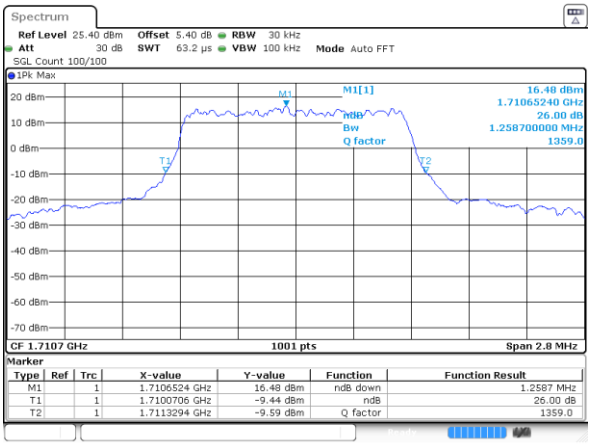


26dB Bandwidth

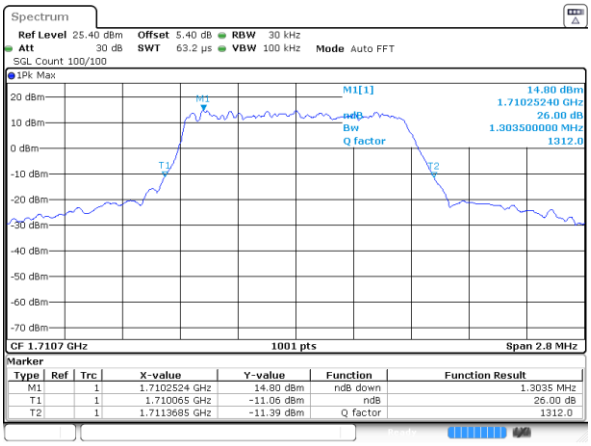
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.259	1.304	2.979	2.949	4.835	4.905	9.73	9.77	14.296	14.326	20.22	20.26
Middle CH	1.284	1.273	2.943	2.961	4.825	4.865	9.65	9.67	14.206	14.535	20.22	20.1
Highest CH	1.273	1.301	2.949	3.411	4.945	4.855	9.75	9.95	14.595	14.206	20.18	20.22
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.320		2.925		4.835		9.75		14.386		20.14	
Middle CH	1.281		2.937		4.885		9.91		14.446		20.18	
Highest CH	1.262		2.943		4.935		9.87		14.116		20.18	

LTE Band 4

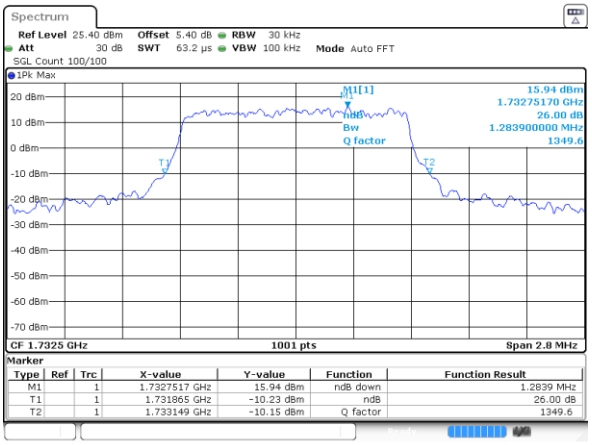
Lowest Channel / 1.4MHz / QPSK



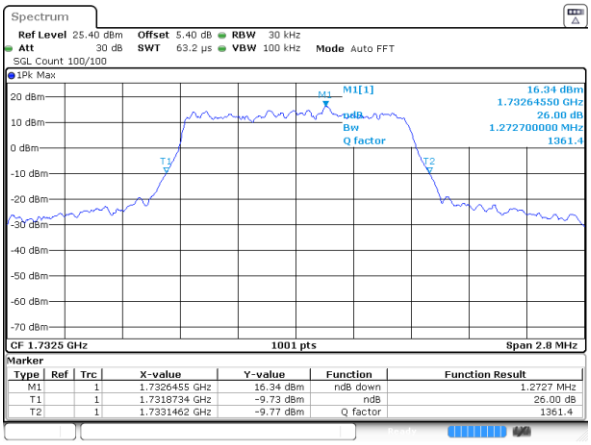
Lowest Channel / 1.4MHz / 16QAM



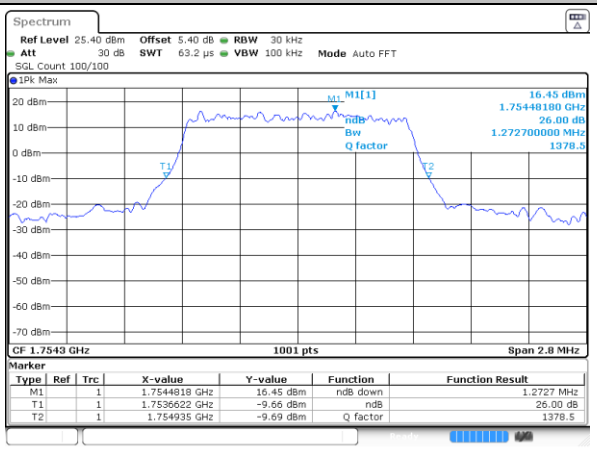
Middle Channel / 1.4MHz / QPSK



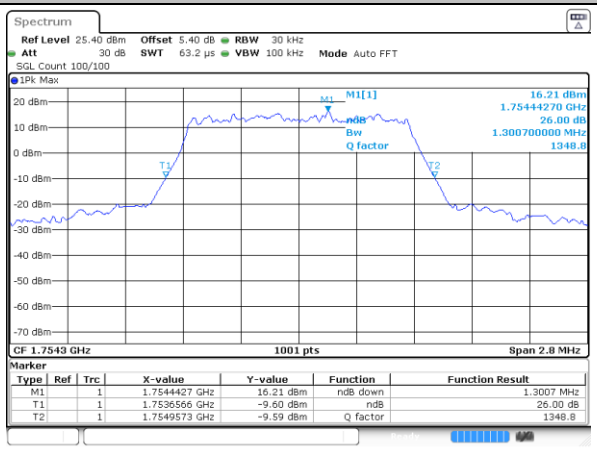
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

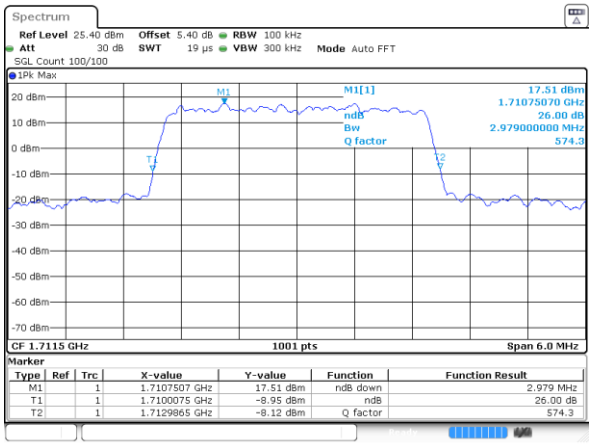


Highest Channel / 1.4MHz / 16QAM

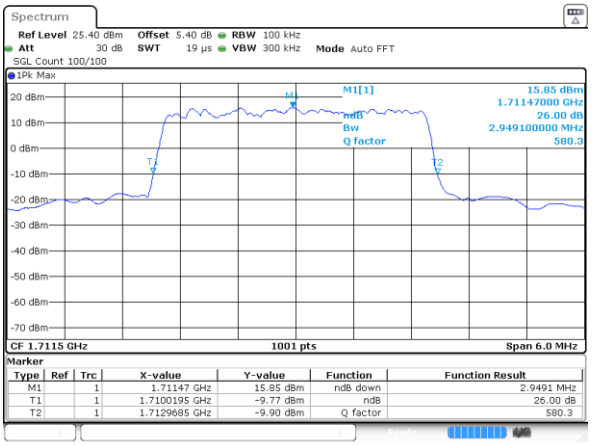


LTE Band 4

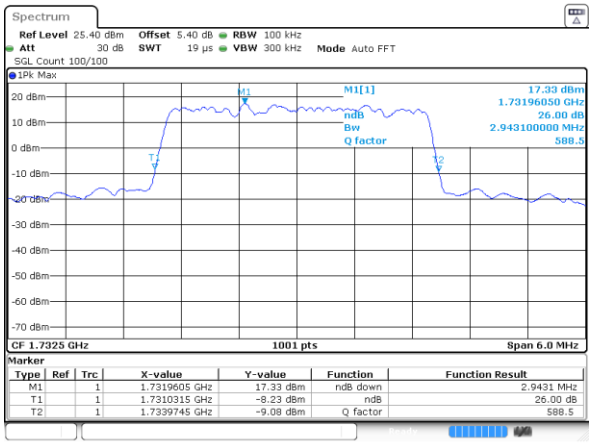
Lowest Channel / 3MHz / QPSK



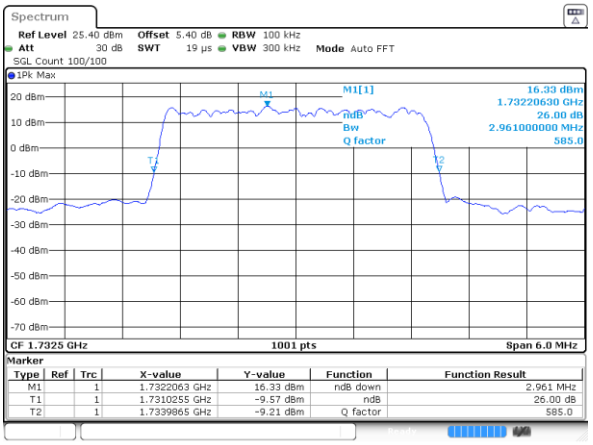
Lowest Channel / 3MHz / 16QAM



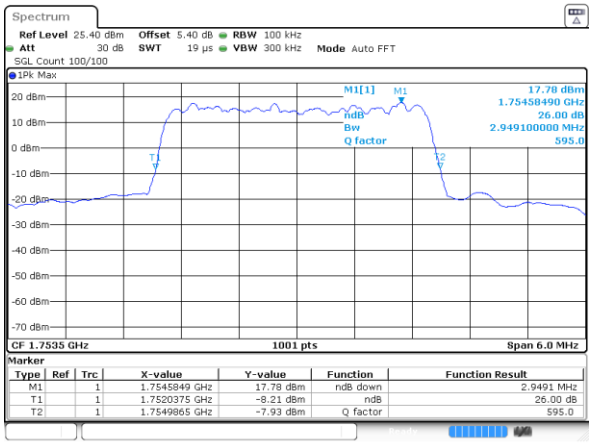
Middle Channel / 3MHz / QPSK



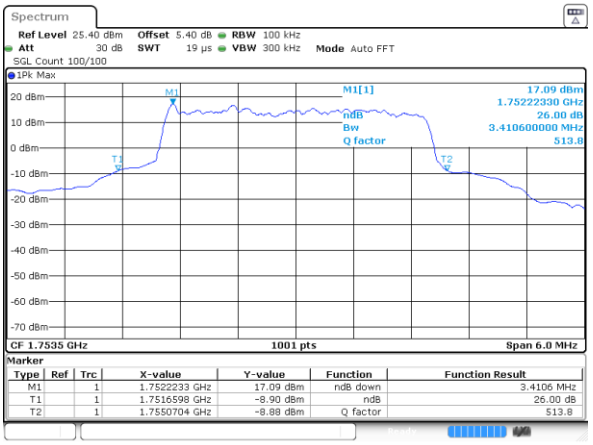
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

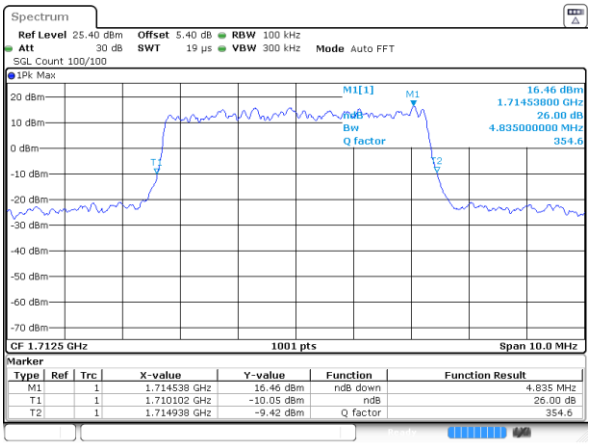


Highest Channel / 3MHz / 16QAM

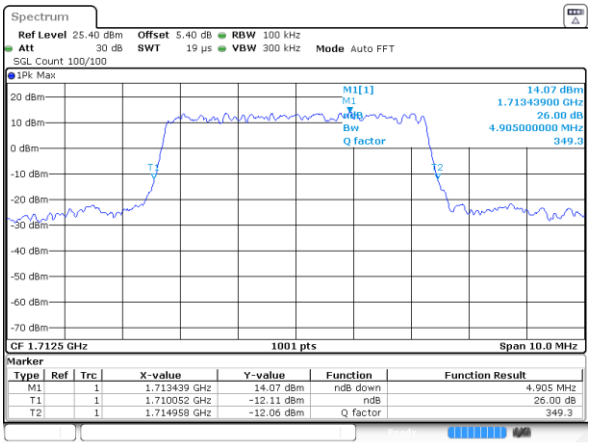


LTE Band 4

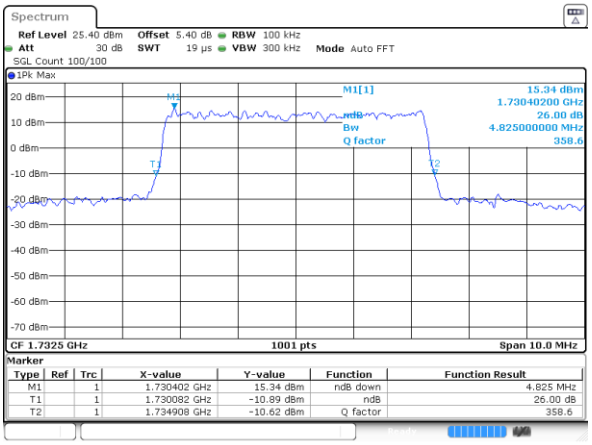
Lowest Channel / 5MHz / QPSK



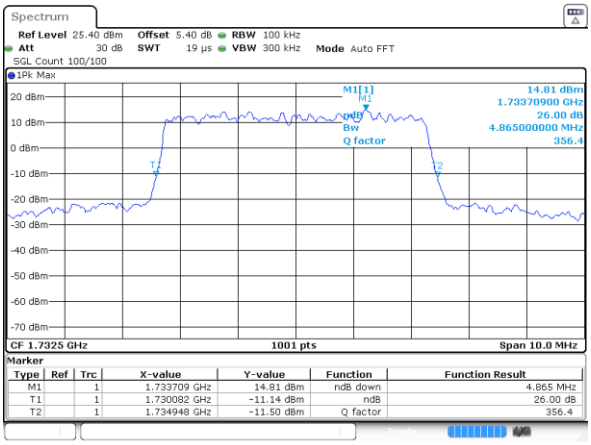
Lowest Channel / 5MHz / 16QAM



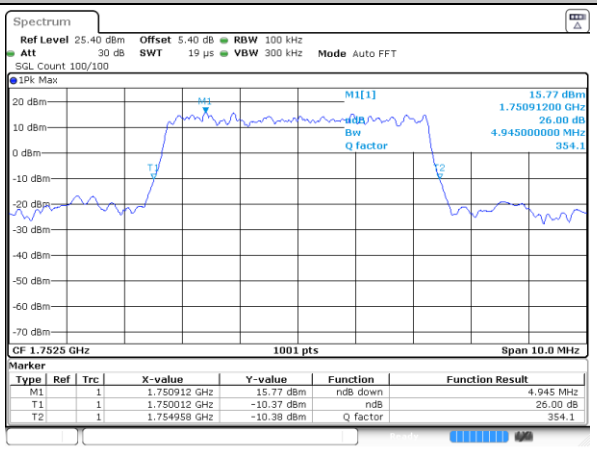
Middle Channel / 5MHz / QPSK



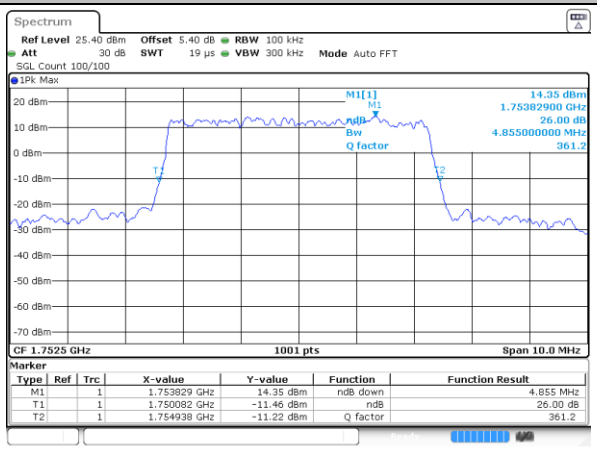
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

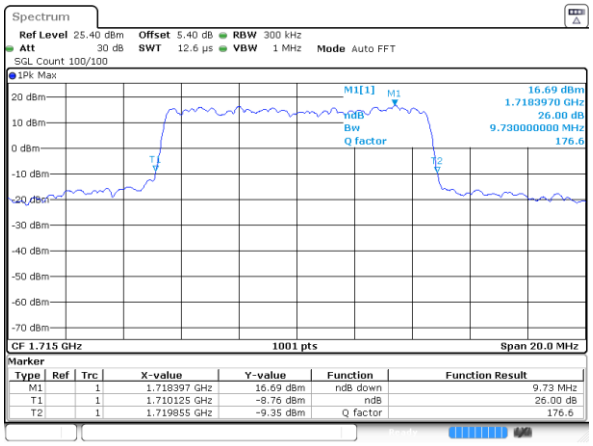


Highest Channel / 5MHz / 16QAM

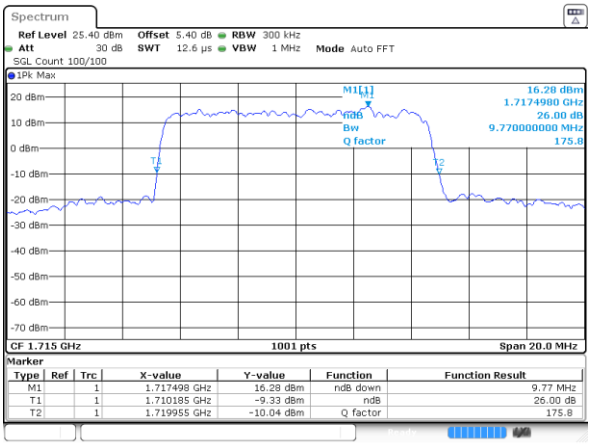


LTE Band 4

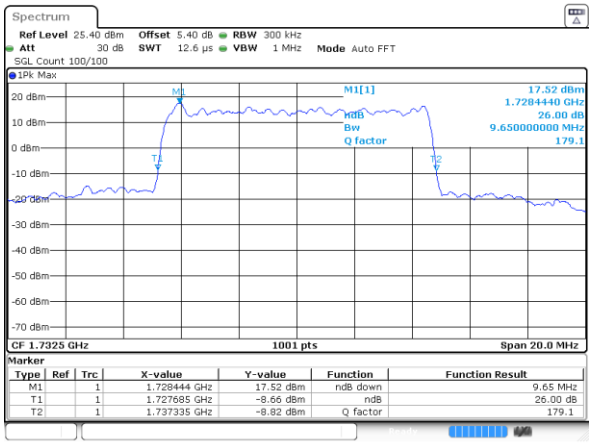
Lowest Channel / 10MHz / QPSK



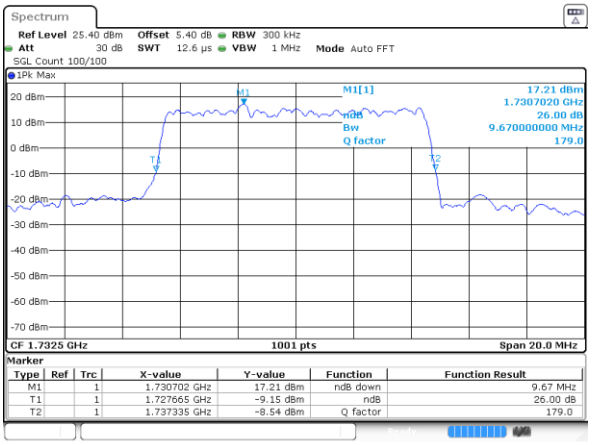
Lowest Channel / 10MHz / 16QAM



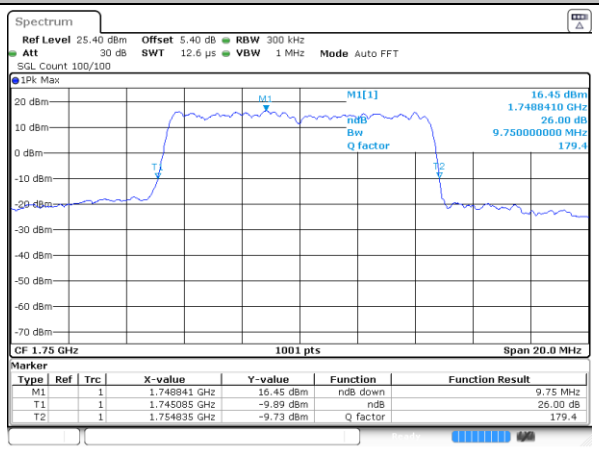
Middle Channel / 10MHz / QPSK



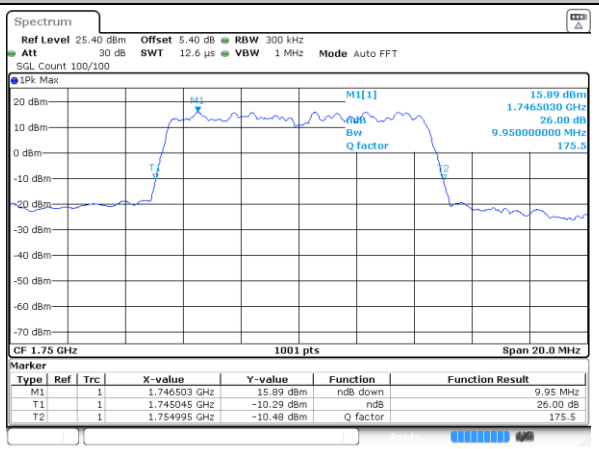
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

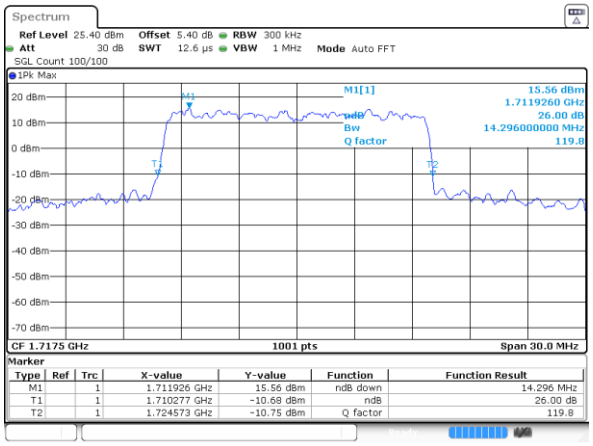


Highest Channel / 10MHz / 16QAM

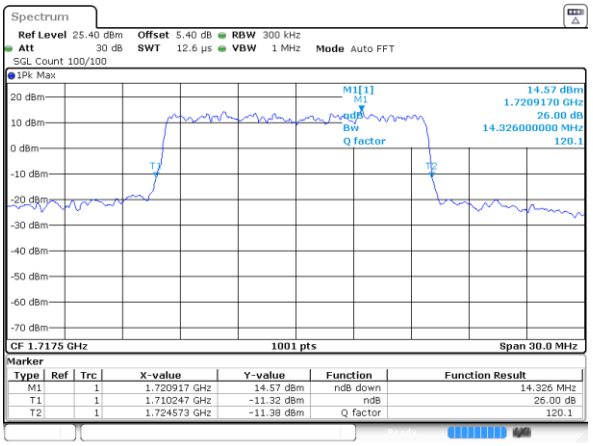


LTE Band 4

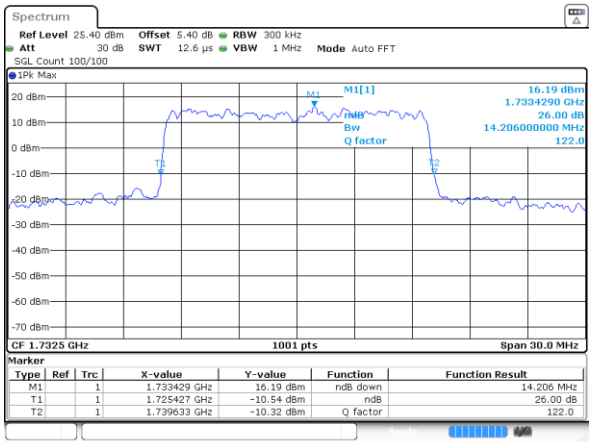
Lowest Channel / 15MHz / QPSK



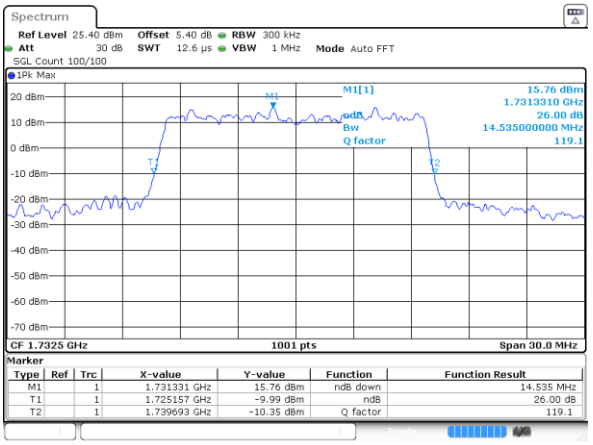
Lowest Channel / 15MHz / 16QAM



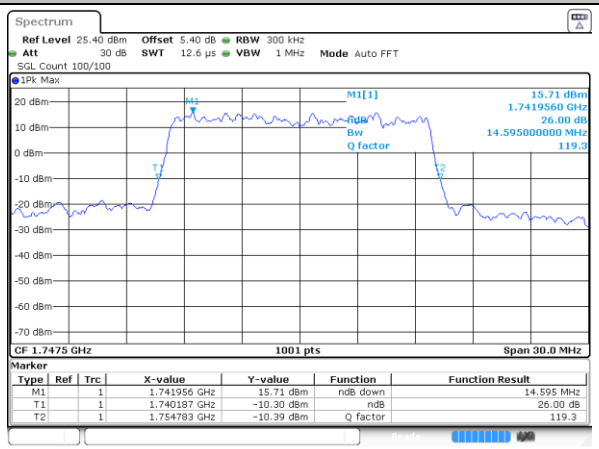
Middle Channel / 15MHz / QPSK



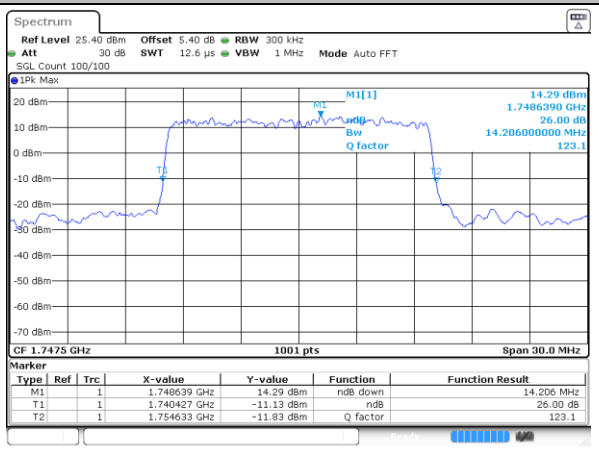
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

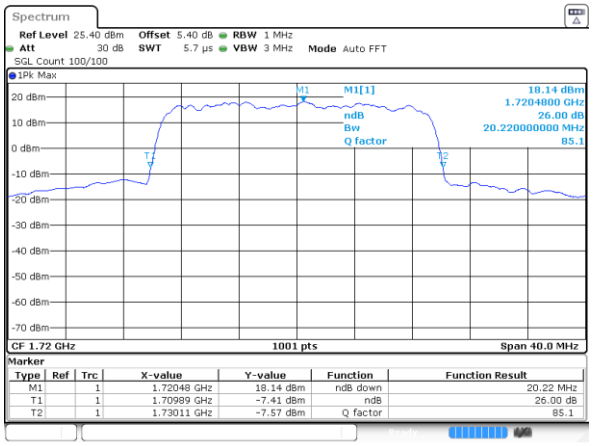


Highest Channel / 15MHz / 16QAM

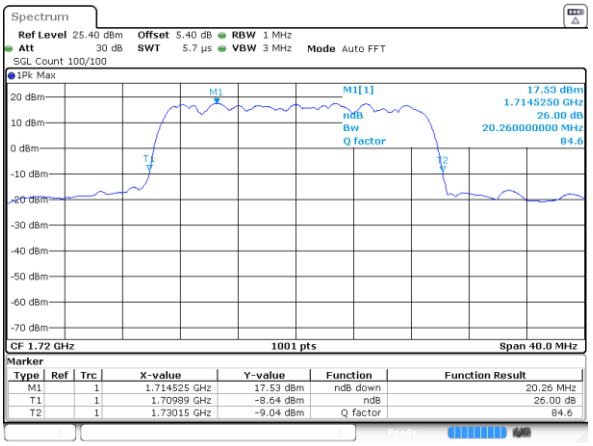


LTE Band 4

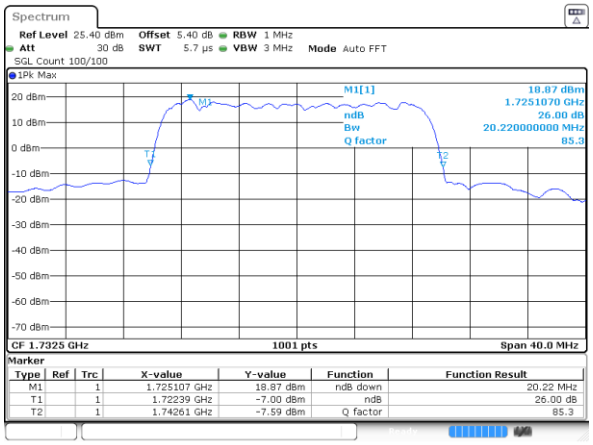
Lowest Channel / 20MHz / QPSK



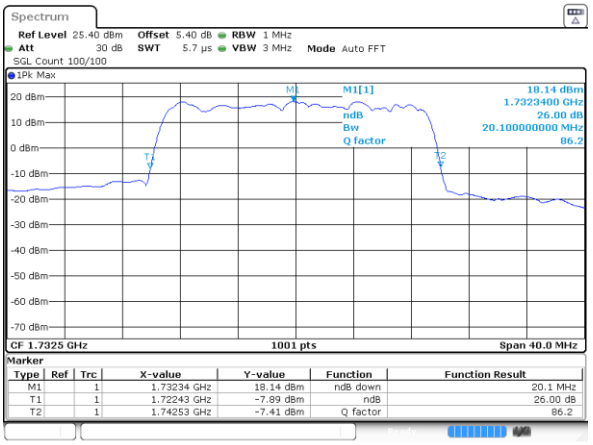
Lowest Channel / 20MHz / 16QAM



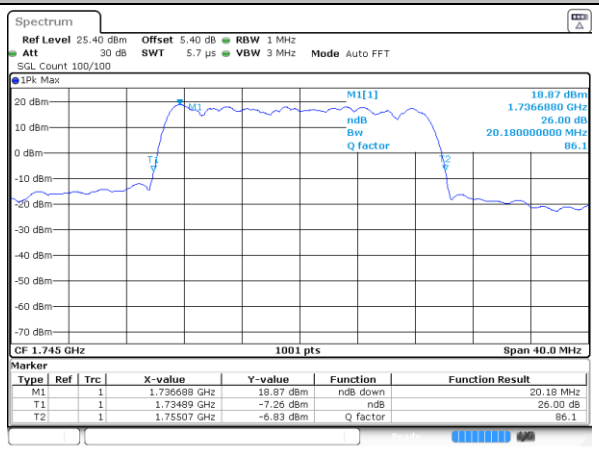
Middle Channel / 20MHz / QPSK



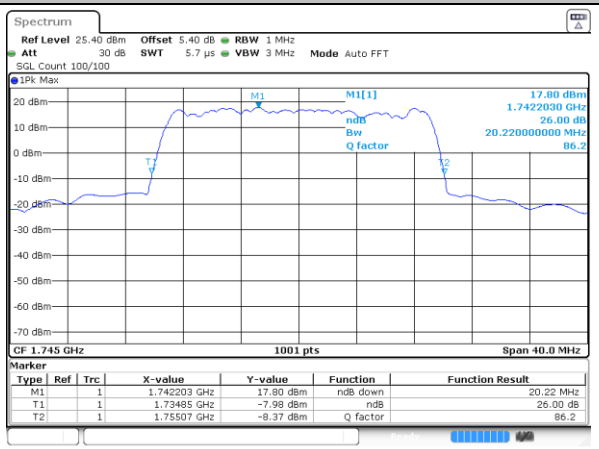
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

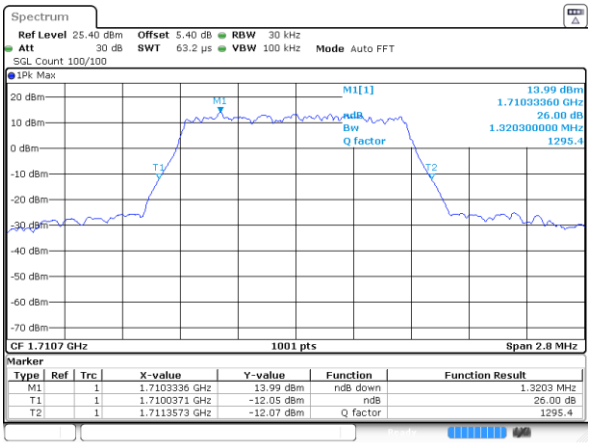


Highest Channel / 20MHz / 16QAM

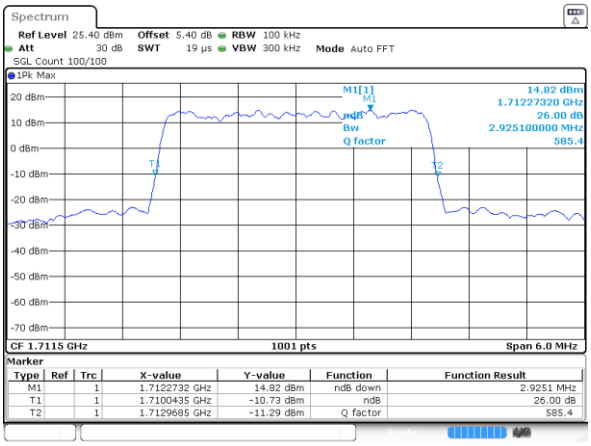


LTE Band 4

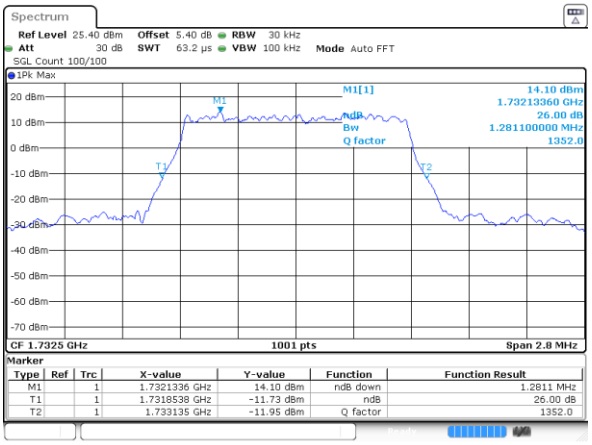
Lowest Channel / 1.4MHz / 64QAM



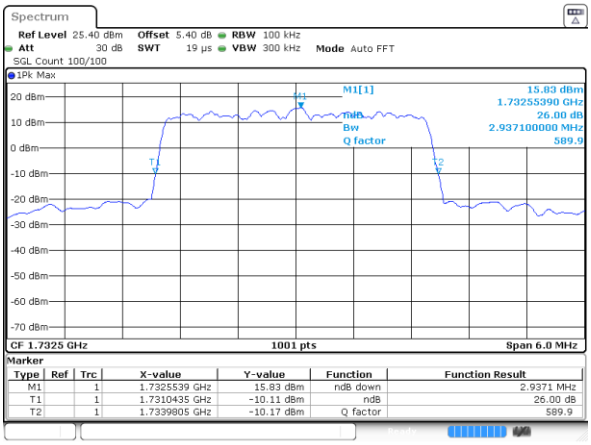
Lowest Channel / 3MHz / 64QAM



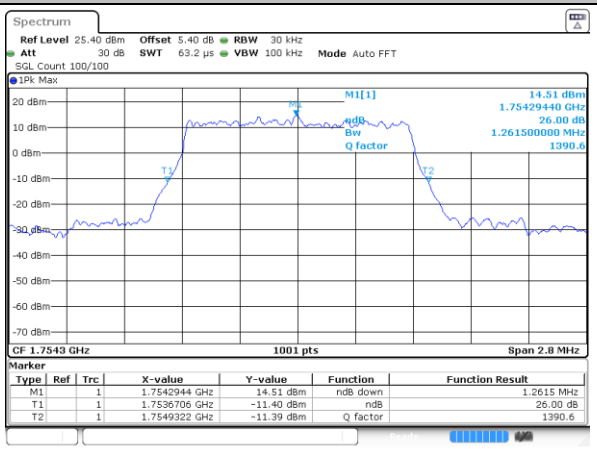
Middle Channel / 1.4MHz / 64QAM



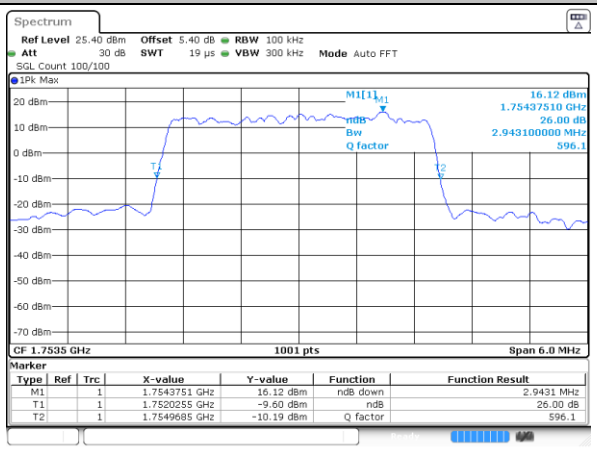
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

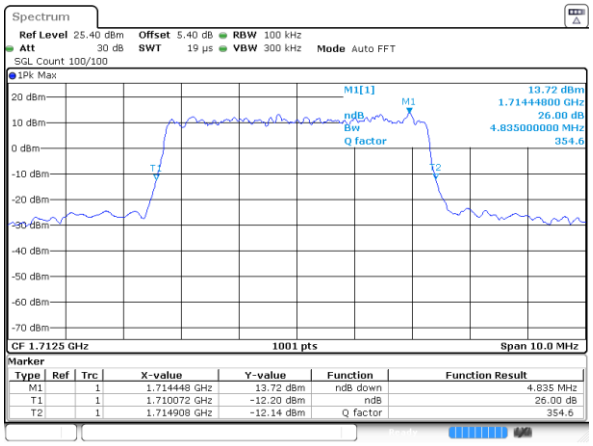


Highest Channel / 3MHz / 64QAM

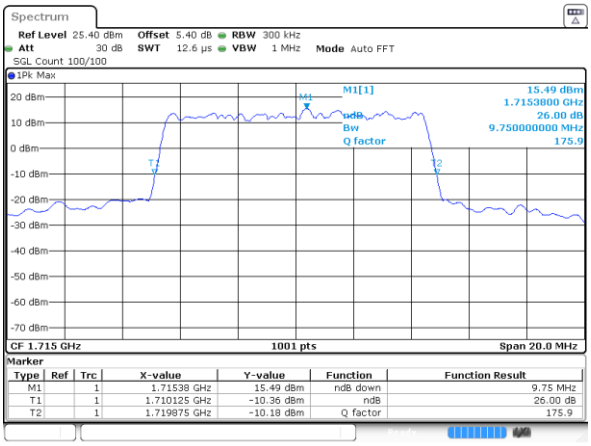


LTE Band 4

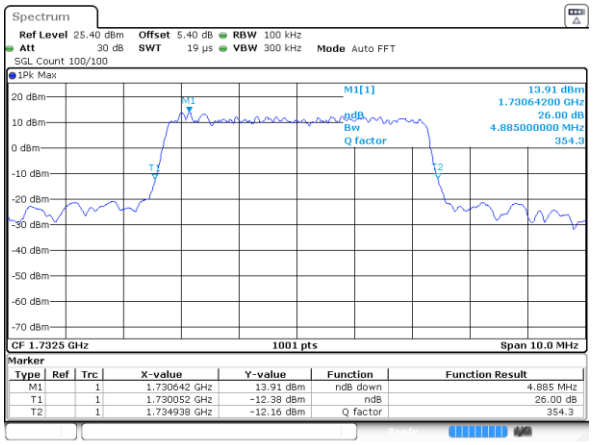
Lowest Channel / 5MHz / 64QAM



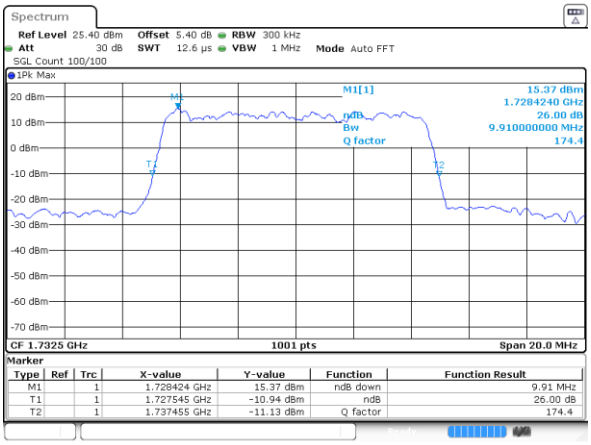
Lowest Channel / 10MHz / 64QAM



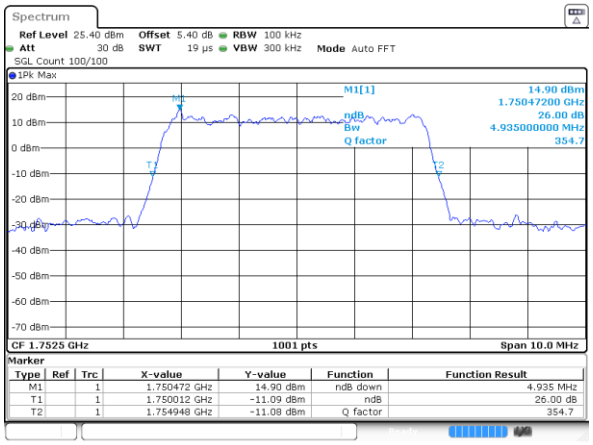
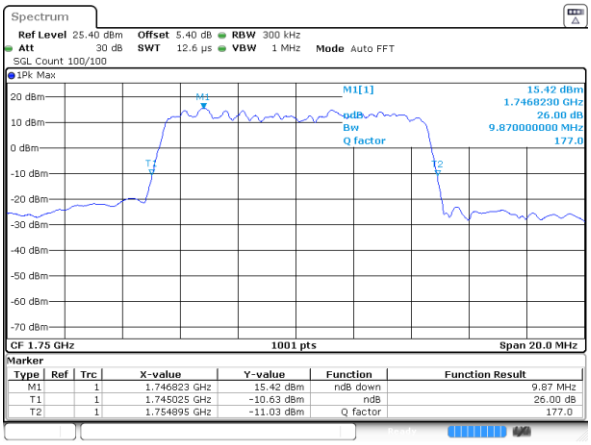
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM