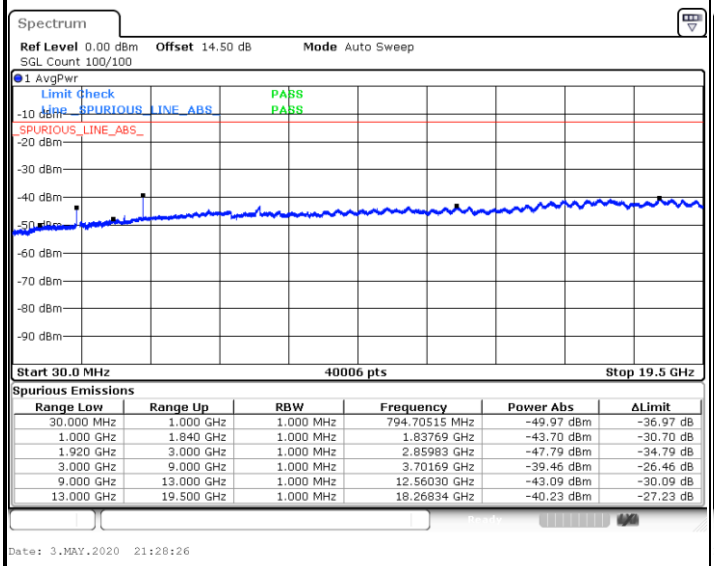
LTE Band 2 / 15MHz

Lowest Channel / QPSK

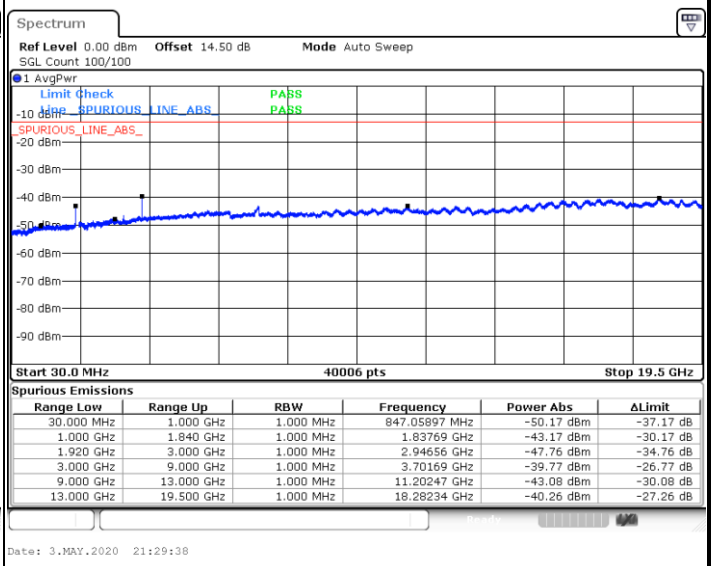


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	794.70515 MHz	-49.97 dBm	-36.97 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-43.70 dBm	-30.70 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85983 GHz	-47.79 dBm	-34.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-39.46 dBm	-26.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.56030 GHz	-43.09 dBm	-30.09 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.26834 GHz	-40.23 dBm	-27.23 dB

Date: 3.MAY.2020 21:28:26

Lowest Channel / 16QAM

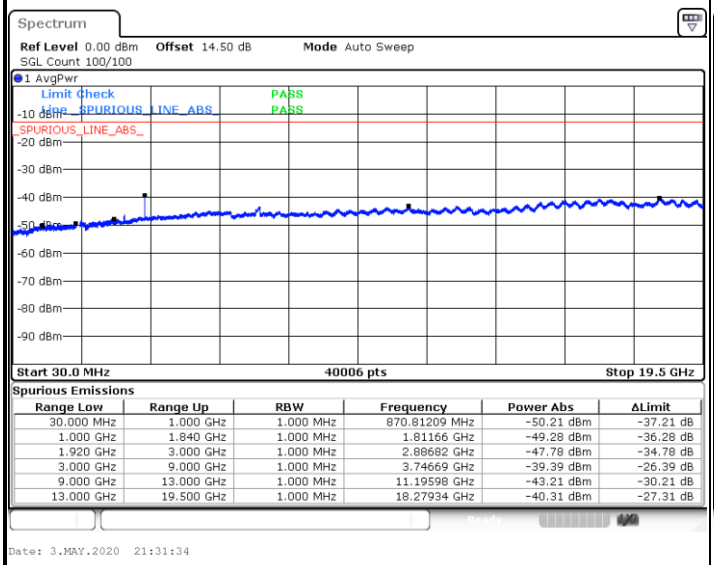


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	847.05897 MHz	-50.17 dBm	-37.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-43.17 dBm	-30.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94656 GHz	-47.76 dBm	-34.76 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-39.77 dBm	-26.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20247 GHz	-43.08 dBm	-30.08 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28234 GHz	-40.26 dBm	-27.26 dB

Date: 3.MAY.2020 21:29:38

Middle Channel / QPSK

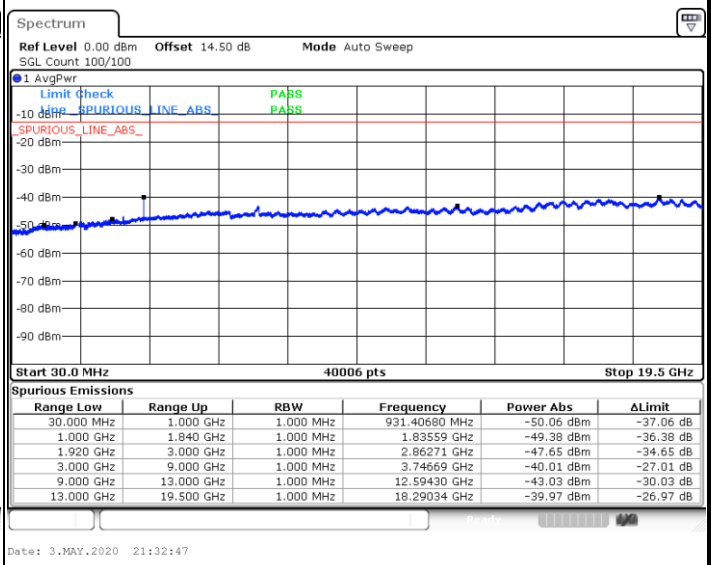


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-50.21 dBm	-37.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81166 GHz	-49.28 dBm	-36.28 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.88682 GHz	-47.78 dBm	-34.78 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-39.39 dBm	-26.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19598 GHz	-43.21 dBm	-30.21 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27934 GHz	-40.31 dBm	-27.31 dB

Date: 3.MAY.2020 21:31:34

Middle Channel / 16QAM



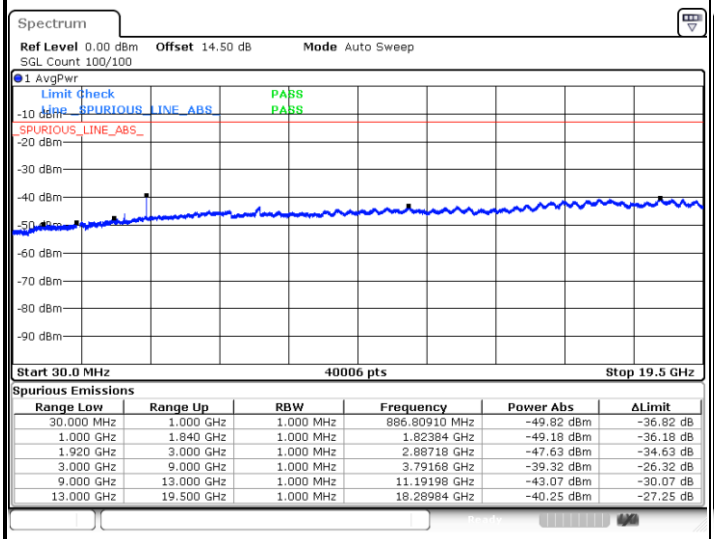
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.40680 MHz	-50.06 dBm	-37.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-49.38 dBm	-36.38 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86271 GHz	-47.65 dBm	-34.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-40.01 dBm	-27.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.59430 GHz	-43.03 dBm	-30.03 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29034 GHz	-39.97 dBm	-26.97 dB

Date: 3.MAY.2020 21:32:47

LTE Band 2 / 15MHz

Highest Channel / QPSK

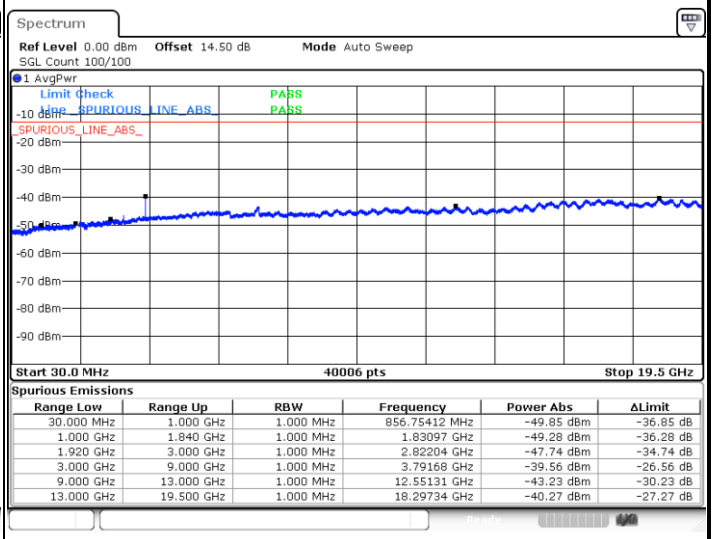


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-49.82 dBm	-36.82 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82384 GHz	-49.18 dBm	-36.18 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.88718 GHz	-47.63 dBm	-34.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-39.32 dBm	-26.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19198 GHz	-43.07 dBm	-30.07 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28984 GHz	-40.25 dBm	-27.25 dB

Date: 3.MAY.2020 21:38:05

Highest Channel / 16QAM



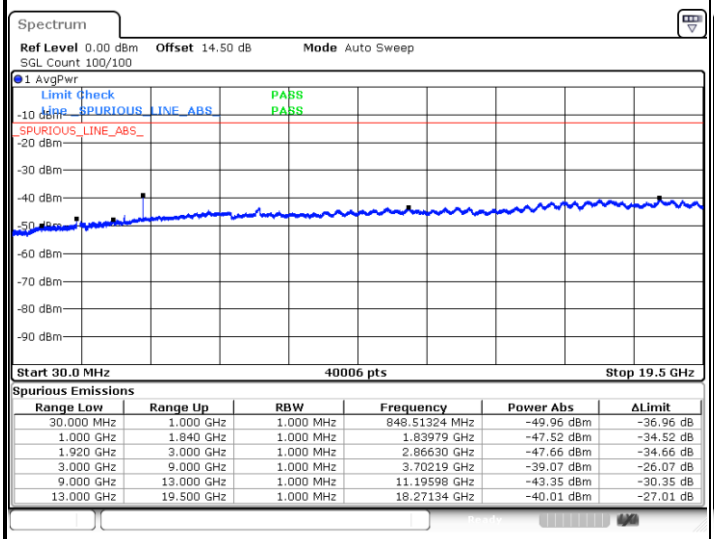
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	856.75412 MHz	-49.85 dBm	-36.85 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83097 GHz	-49.28 dBm	-36.28 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82204 GHz	-47.74 dBm	-34.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-39.56 dBm	-26.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.55131 GHz	-43.23 dBm	-30.23 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29734 GHz	-40.27 dBm	-27.27 dB

Date: 3.MAY.2020 21:39:17

LTE Band 2 / 20MHz

Lowest Channel / QPSK

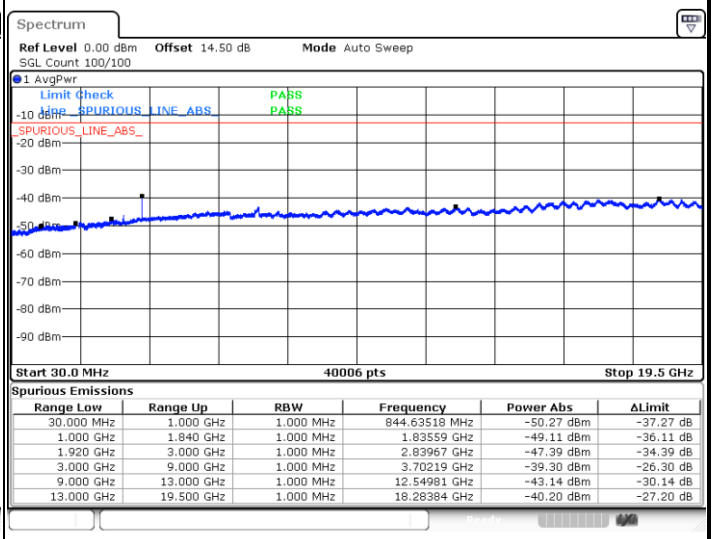


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	848.51324 MHz	-49.96 dBm	-36.96 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-47.52 dBm	-34.52 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86630 GHz	-47.66 dBm	-34.66 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-39.07 dBm	-26.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19598 GHz	-43.35 dBm	-30.35 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27134 GHz	-40.01 dBm	-27.01 dB

Date: 3.MAY.2020 21:44:36

Lowest Channel / 16QAM



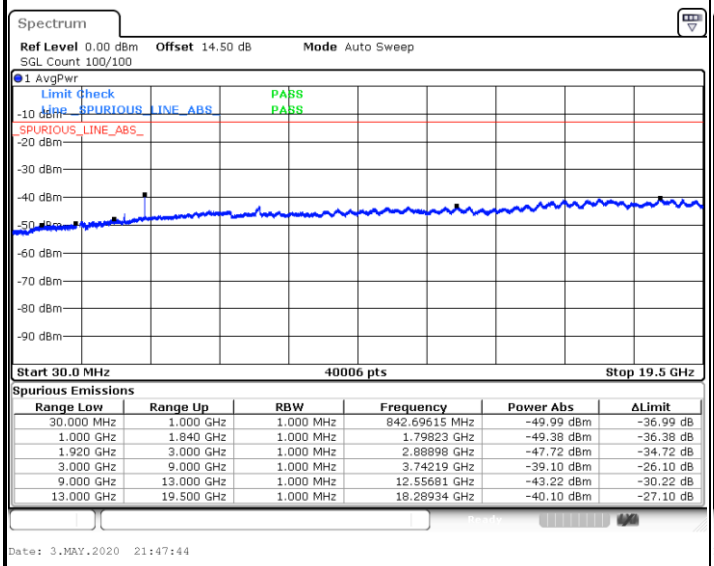
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	844.63518 MHz	-50.27 dBm	-37.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-49.11 dBm	-36.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83967 GHz	-47.39 dBm	-34.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-39.30 dBm	-26.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.54981 GHz	-43.14 dBm	-30.14 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28384 GHz	-40.20 dBm	-27.20 dB

Date: 3.MAY.2020 21:45:48

LTE Band 2 / 20MHz

Middle Channel / QPSK

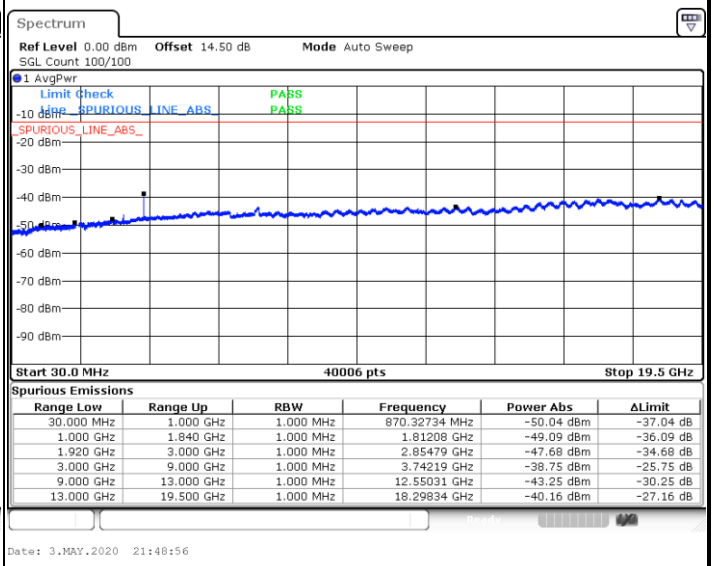


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	842.69615 MHz	-49.99 dBm	-36.99 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79823 GHz	-49.38 dBm	-36.38 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.88898 GHz	-47.72 dBm	-34.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-39.10 dBm	-26.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.55681 GHz	-43.22 dBm	-30.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28934 GHz	-40.10 dBm	-27.10 dB

Date: 3.MAY.2020 21:47:44

Middle Channel / 16QAM

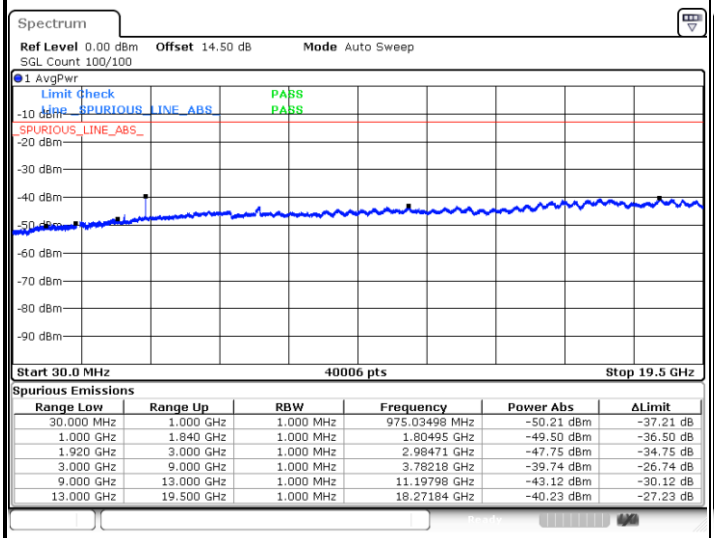


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.32734 MHz	-50.04 dBm	-37.04 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81208 GHz	-49.09 dBm	-36.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85479 GHz	-47.68 dBm	-34.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-38.75 dBm	-25.75 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.55031 GHz	-43.25 dBm	-30.25 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29834 GHz	-40.16 dBm	-27.16 dB

Date: 3.MAY.2020 21:48:56

Highest Channel / QPSK

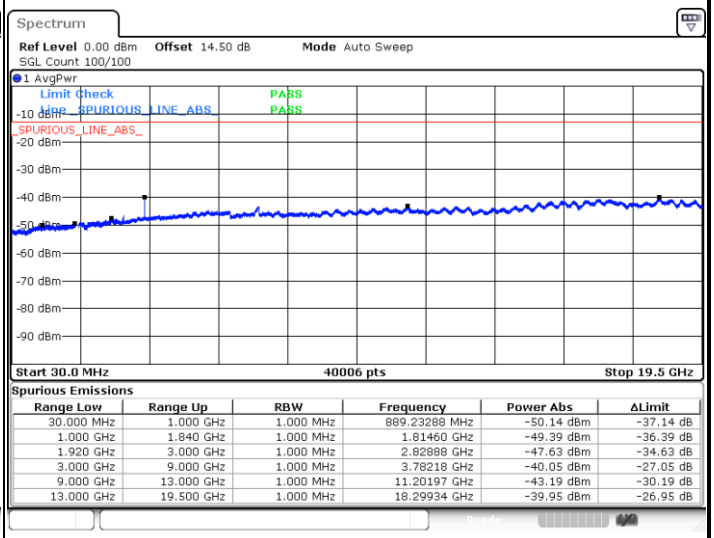


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.03498 MHz	-50.21 dBm	-37.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80495 GHz	-49.50 dBm	-36.50 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98471 GHz	-47.75 dBm	-34.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-39.74 dBm	-26.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19798 GHz	-43.12 dBm	-30.12 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27184 GHz	-40.23 dBm	-27.23 dB

Date: 3.MAY.2020 21:54:15

Highest Channel / 16QAM



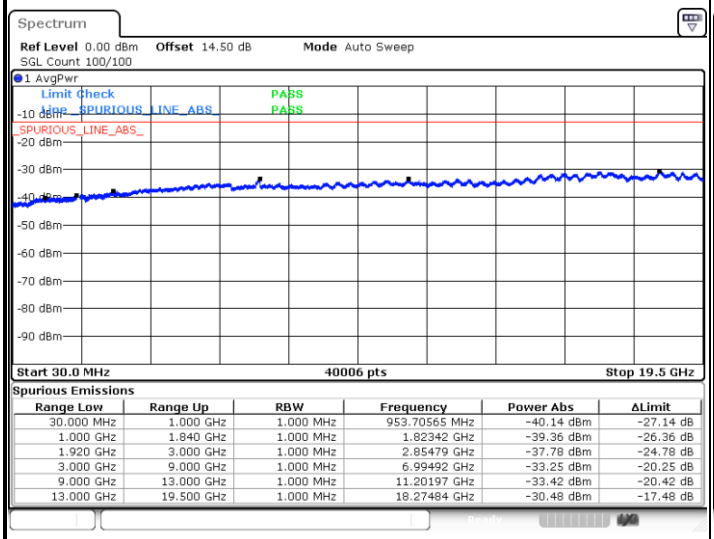
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.23288 MHz	-50.14 dBm	-37.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81460 GHz	-49.39 dBm	-36.39 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82888 GHz	-47.63 dBm	-34.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-40.05 dBm	-27.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20197 GHz	-43.19 dBm	-30.19 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29934 GHz	-39.95 dBm	-26.95 dB

Date: 3.MAY.2020 21:55:27

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

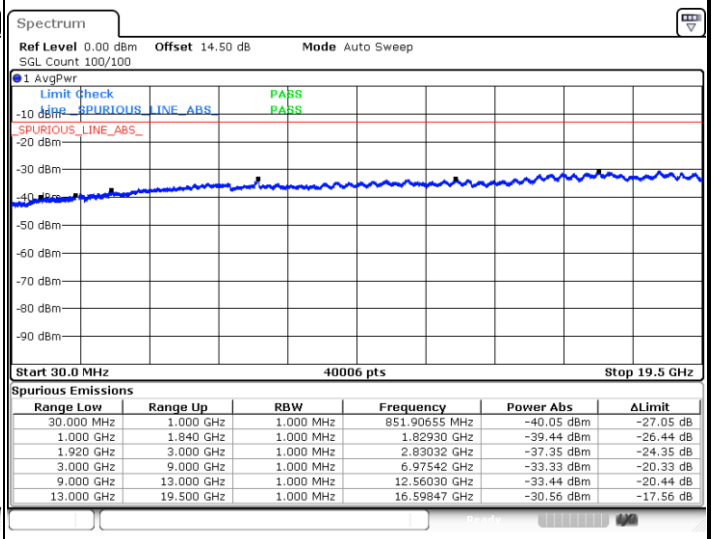


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.70565 MHz	-40.14 dBm	-27.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82342 GHz	-39.36 dBm	-26.36 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85479 GHz	-37.78 dBm	-24.78 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99492 GHz	-33.25 dBm	-20.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20197 GHz	-33.42 dBm	-20.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27484 GHz	-30.48 dBm	-17.48 dB

Date: 3.MAY.2020 23:02:51

Middle Channel / 64QAM

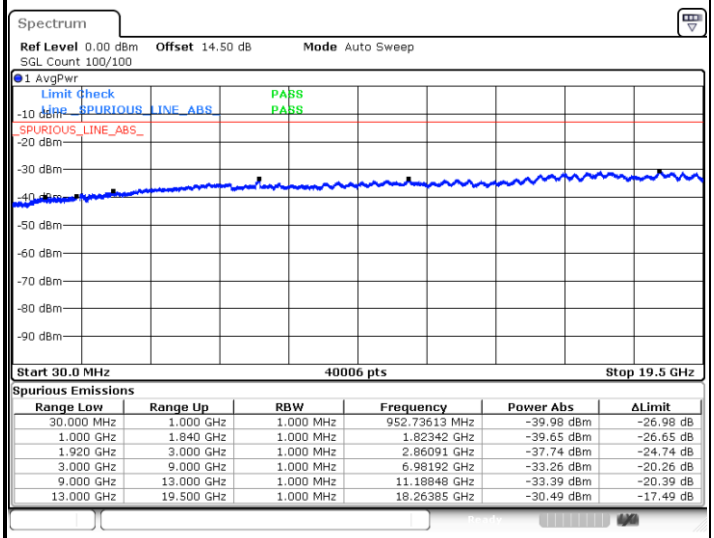


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	851.90655 MHz	-40.05 dBm	-27.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82930 GHz	-39.44 dBm	-26.44 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83032 GHz	-37.35 dBm	-24.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97542 GHz	-33.33 dBm	-20.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.56030 GHz	-33.44 dBm	-20.44 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.59847 GHz	-30.56 dBm	-17.56 dB

Date: 3.MAY.2020 23:04:25

Highest Channel / 64QAM



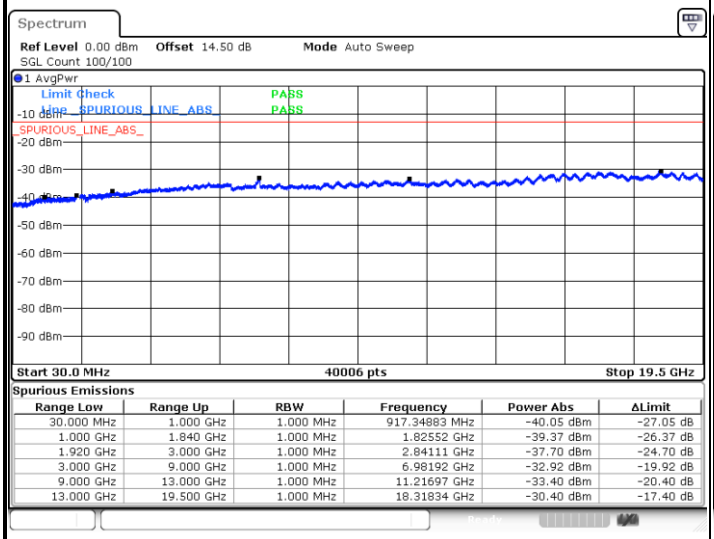
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-39.98 dBm	-26.98 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82342 GHz	-39.65 dBm	-26.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86091 GHz	-37.74 dBm	-24.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98192 GHz	-33.26 dBm	-20.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.18848 GHz	-33.39 dBm	-20.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.26385 GHz	-30.49 dBm	-17.49 dB

Date: 3.MAY.2020 23:08:03

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

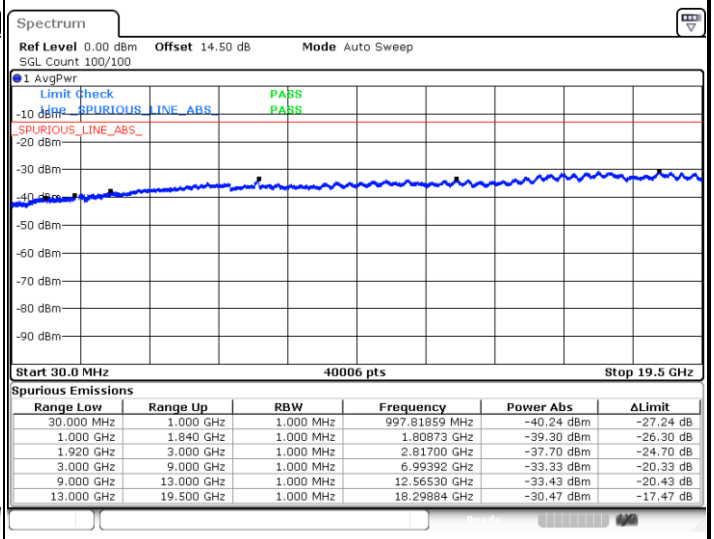


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-40.05 dBm	-27.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82552 GHz	-39.37 dBm	-26.37 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84111 GHz	-37.70 dBm	-24.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98192 GHz	-32.92 dBm	-19.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.21697 GHz	-33.40 dBm	-20.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.31834 GHz	-30.40 dBm	-17.40 dB

Date: 3.MAY.2020 22:22:10

Middle Channel / 64QAM

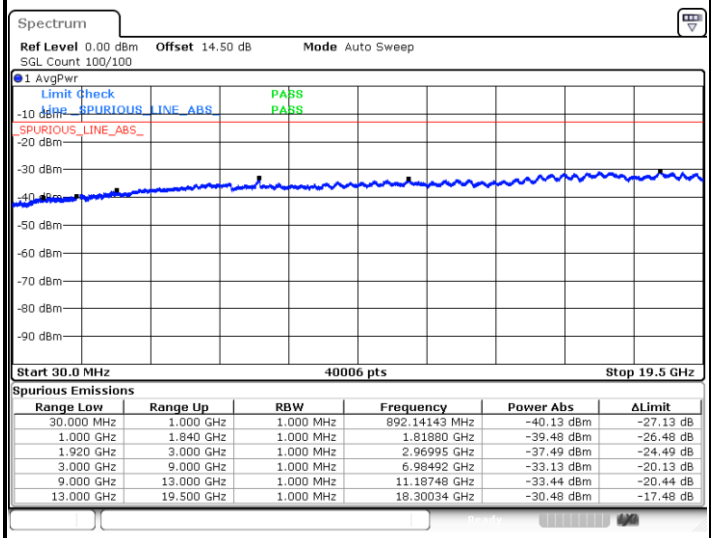


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-40.24 dBm	-27.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80873 GHz	-39.30 dBm	-26.30 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81700 GHz	-37.70 dBm	-24.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-33.33 dBm	-20.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.56530 GHz	-33.43 dBm	-20.43 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29884 GHz	-30.47 dBm	-17.47 dB

Date: 3.MAY.2020 22:23:44

Highest Channel / 64QAM



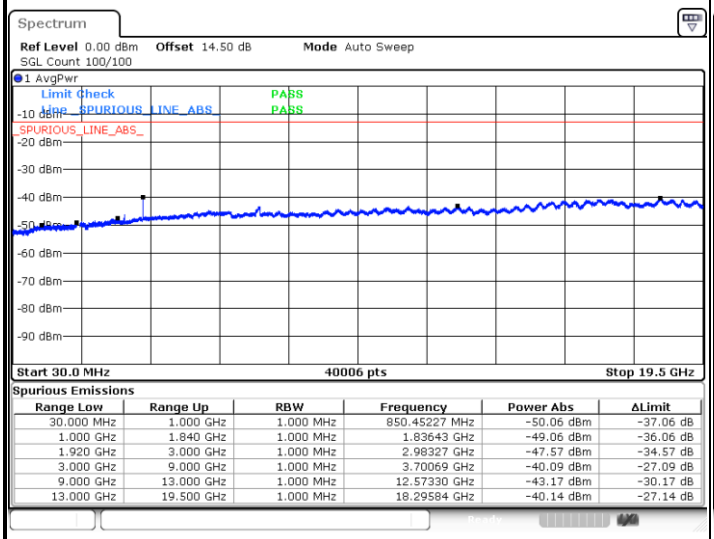
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.14143 MHz	-40.13 dBm	-27.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81880 GHz	-39.48 dBm	-26.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96995 GHz	-37.49 dBm	-24.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98492 GHz	-33.13 dBm	-20.13 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.18748 GHz	-33.44 dBm	-20.44 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.30034 GHz	-30.48 dBm	-17.48 dB

Date: 3.MAY.2020 22:26:59

LTE Band 2 / 5MHz

Lowest Channel / 64QAM

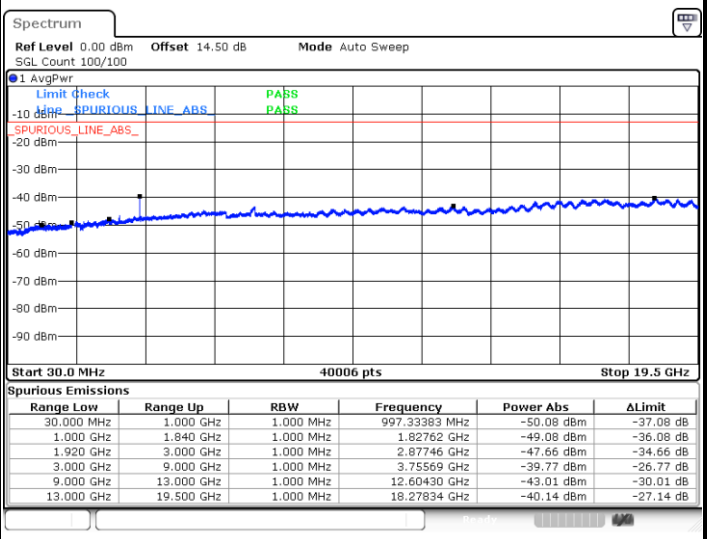


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	850.45227 MHz	-50.06 dBm	-37.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83643 GHz	-49.06 dBm	-36.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98327 GHz	-47.57 dBm	-34.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-40.09 dBm	-27.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.57330 GHz	-43.17 dBm	-30.17 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29584 GHz	-40.14 dBm	-27.14 dB

Date: 3.MAY.2020 22:30:14

Middle Channel / 64QAM

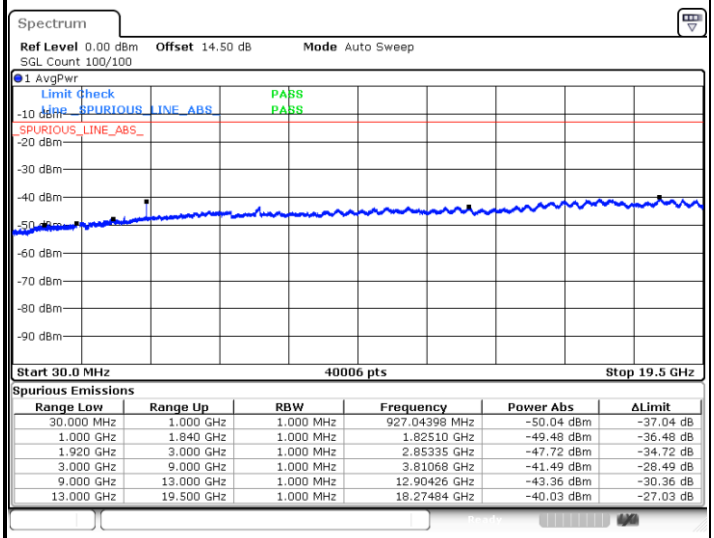


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-50.08 dBm	-37.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82762 GHz	-49.08 dBm	-36.08 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.87746 GHz	-47.66 dBm	-34.66 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75569 GHz	-39.77 dBm	-26.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.60430 GHz	-43.01 dBm	-30.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27834 GHz	-40.14 dBm	-27.14 dB

Date: 3.MAY.2020 22:31:48

Highest Channel / 64QAM



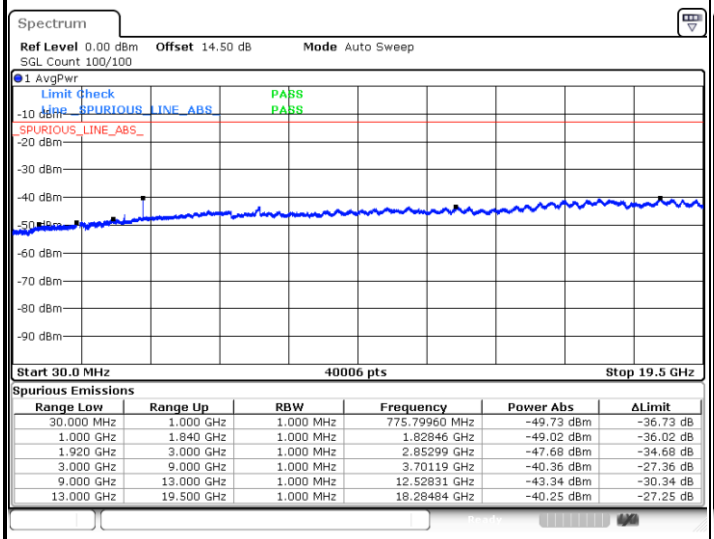
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	927.04398 MHz	-50.04 dBm	-37.04 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82510 GHz	-49.48 dBm	-36.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85335 GHz	-47.72 dBm	-34.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-41.49 dBm	-28.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.90426 GHz	-43.36 dBm	-30.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27484 GHz	-40.03 dBm	-27.03 dB

Date: 3.MAY.2020 22:35:03

LTE Band 2 / 10MHz

Lowest Channel / 64QAM

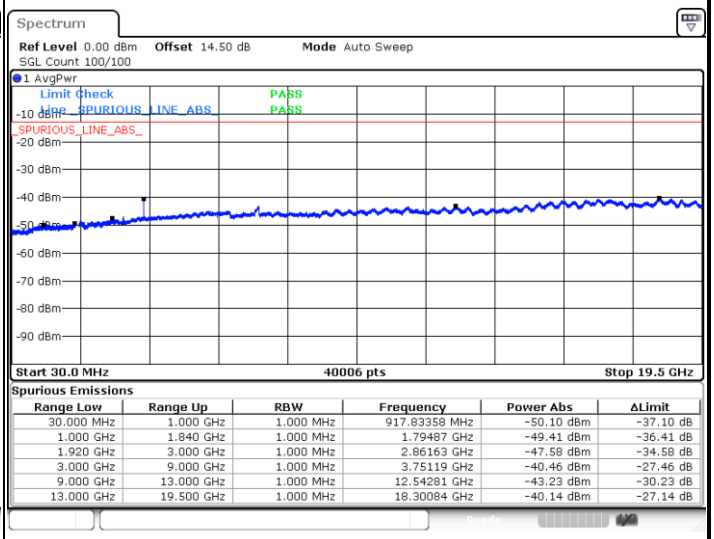


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	775.79960 MHz	-49.73 dBm	-36.73 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82846 GHz	-49.02 dBm	-36.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85299 GHz	-47.68 dBm	-34.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-40.36 dBm	-27.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.52831 GHz	-43.34 dBm	-30.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28484 GHz	-40.25 dBm	-27.25 dB

Date: 3.MAY.2020 22:38:17

Middle Channel / 64QAM

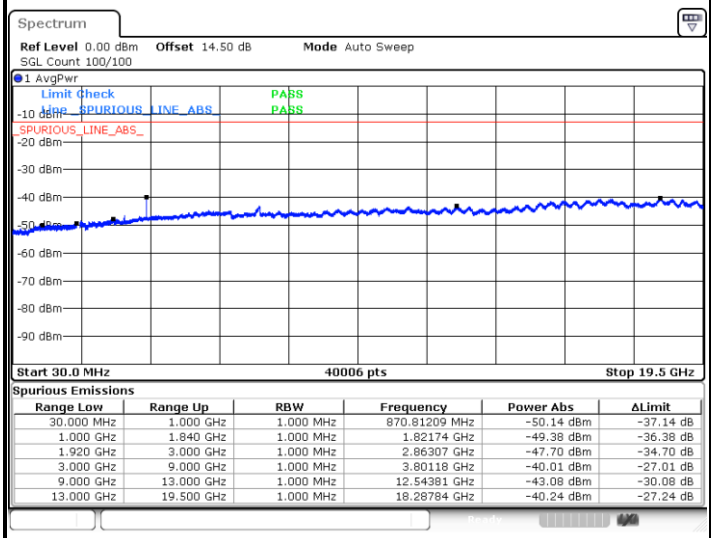


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.83358 MHz	-50.10 dBm	-37.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79487 GHz	-49.41 dBm	-36.41 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86163 GHz	-47.58 dBm	-34.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-40.46 dBm	-27.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.54281 GHz	-43.23 dBm	-30.23 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.30084 GHz	-40.14 dBm	-27.14 dB

Date: 3.MAY.2020 22:39:52

Highest Channel / 64QAM



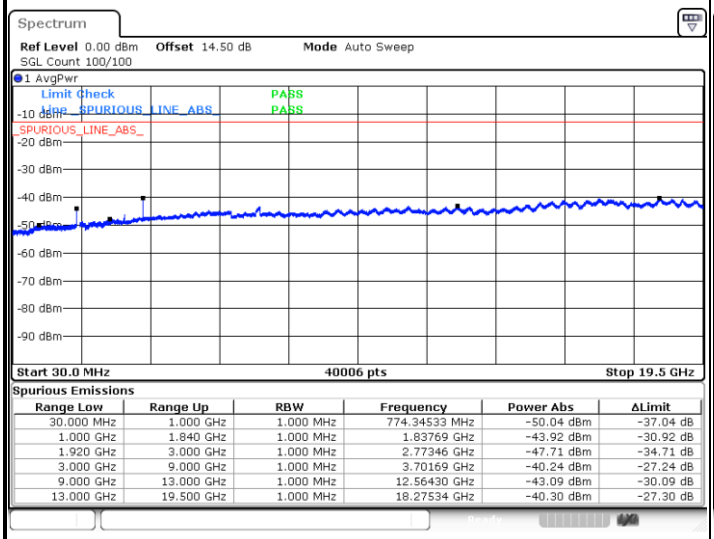
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-50.14 dBm	-37.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82174 GHz	-49.38 dBm	-36.38 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86307 GHz	-47.70 dBm	-34.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-40.01 dBm	-27.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.54381 GHz	-43.08 dBm	-30.08 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28784 GHz	-40.24 dBm	-27.24 dB

Date: 3.MAY.2020 22:43:07

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

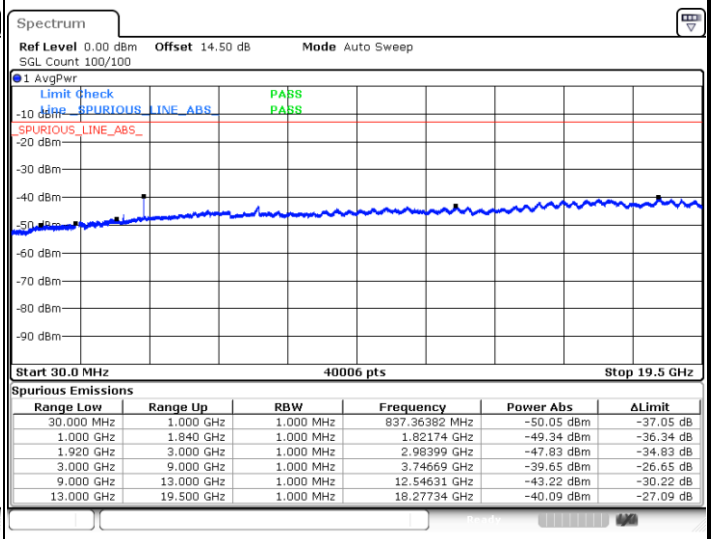


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	774.34533 MHz	-50.04 dBm	-37.04 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-43.92 dBm	-30.92 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.77346 GHz	-47.71 dBm	-34.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-40.24 dBm	-27.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.56430 GHz	-43.09 dBm	-30.09 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27534 GHz	-40.30 dBm	-27.30 dB

Date: 3.MAY.2020 22:46:21

Middle Channel / 64QAM

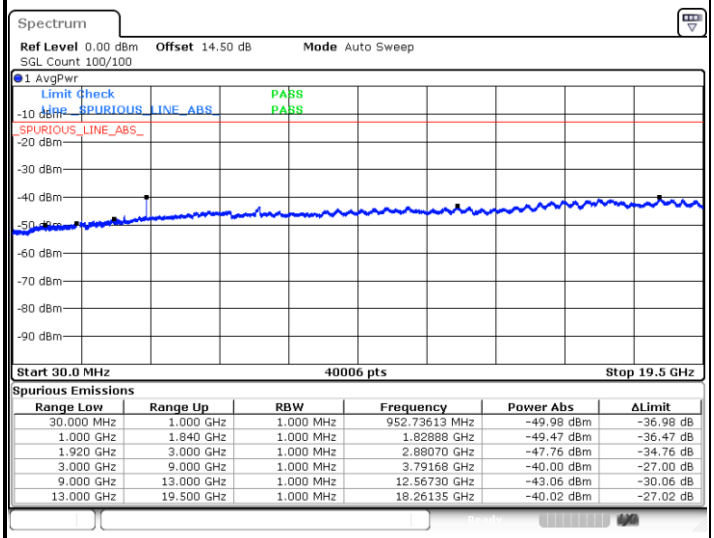


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	837.36382 MHz	-50.05 dBm	-37.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82174 GHz	-49.34 dBm	-36.34 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98399 GHz	-47.83 dBm	-34.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-39.65 dBm	-26.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.54631 GHz	-43.22 dBm	-30.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27734 GHz	-40.09 dBm	-27.09 dB

Date: 3.MAY.2020 22:47:55

Highest Channel / 64QAM



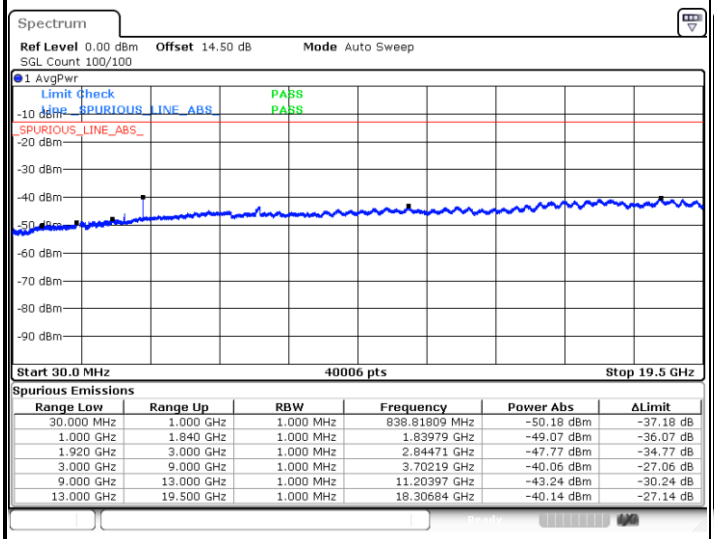
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-49.98 dBm	-36.98 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82888 GHz	-49.47 dBm	-36.47 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.88070 GHz	-47.76 dBm	-34.76 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-40.00 dBm	-27.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.56730 GHz	-43.06 dBm	-30.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.26135 GHz	-40.02 dBm	-27.02 dB

Date: 3.MAY.2020 22:51:10

LTE Band 2 / 20MHz

Lowest Channel / 64QAM

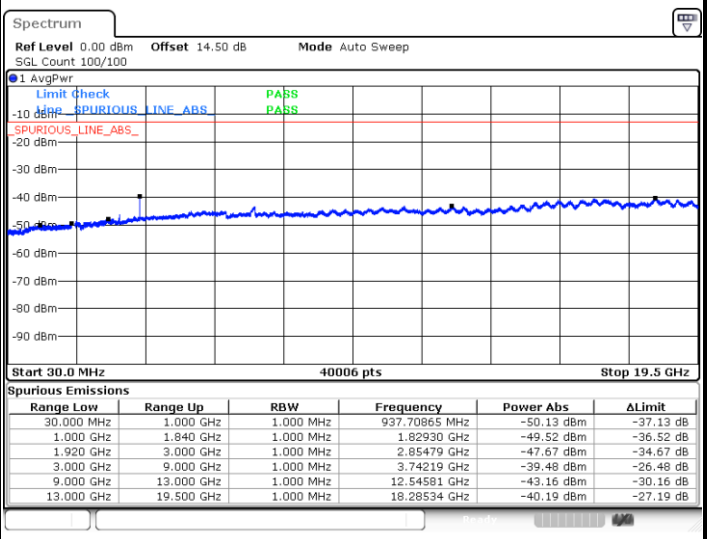


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	838.81809 MHz	-50.18 dBm	-37.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-49.07 dBm	-36.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84471 GHz	-47.77 dBm	-34.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-40.06 dBm	-27.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20397 GHz	-43.24 dBm	-30.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.30684 GHz	-40.14 dBm	-27.14 dB

Date: 3.MAY.2020 22:54:24

Middle Channel / 64QAM

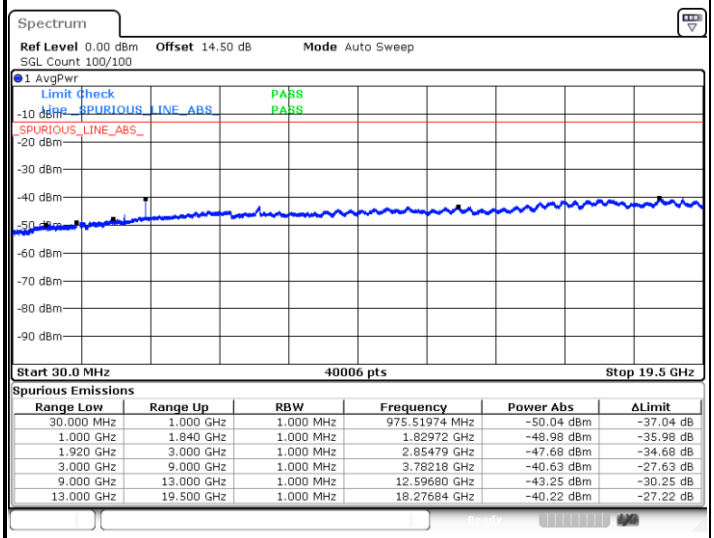


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.70865 MHz	-50.13 dBm	-37.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82930 GHz	-49.52 dBm	-36.52 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85479 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-39.48 dBm	-26.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.54581 GHz	-43.16 dBm	-30.16 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28534 GHz	-40.19 dBm	-27.19 dB

Date: 3.MAY.2020 22:55:58

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.51974 MHz	-50.04 dBm	-37.04 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82972 GHz	-48.98 dBm	-35.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85479 GHz	-47.68 dBm	-34.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-40.63 dBm	-27.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.59680 GHz	-43.25 dBm	-30.25 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27684 GHz	-40.22 dBm	-27.22 dB

Date: 3.MAY.2020 22:59:13

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	0.0011	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0101	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.87 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

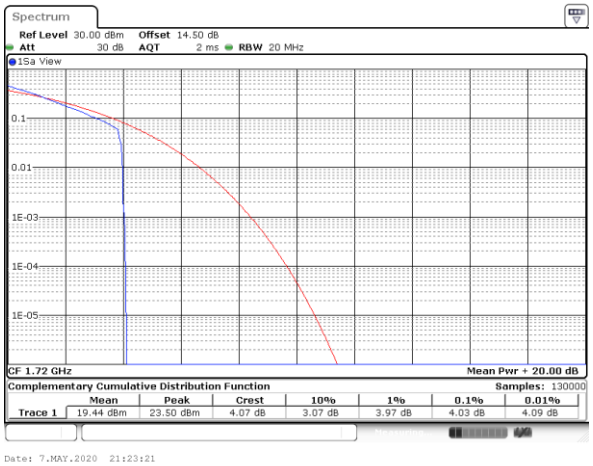
LTE Band 4

Peak-to-Average Ratio

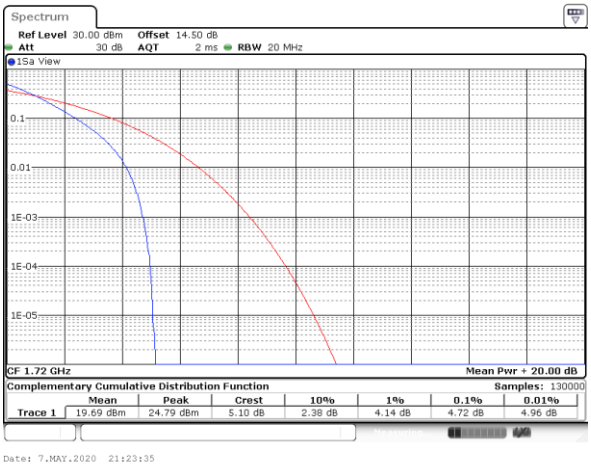
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.03	4.72	5.83	5.71	PASS
Middle CH	3.57	4.81	5.33	5.77	
Highest CH	3.83	4.70	5.83	5.80	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.67	5.77	-	-	PASS
Middle CH	5.22	5.80	-	-	
Highest CH	5.88	5.80	-	-	

LTE Band 4 / 20MHz / QPSK

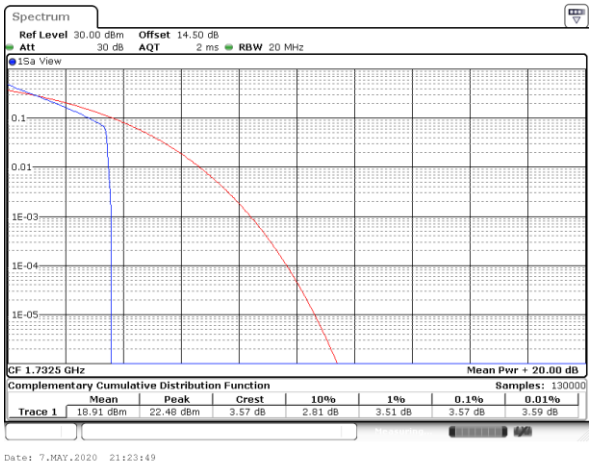
Lowest Channel / 1RB



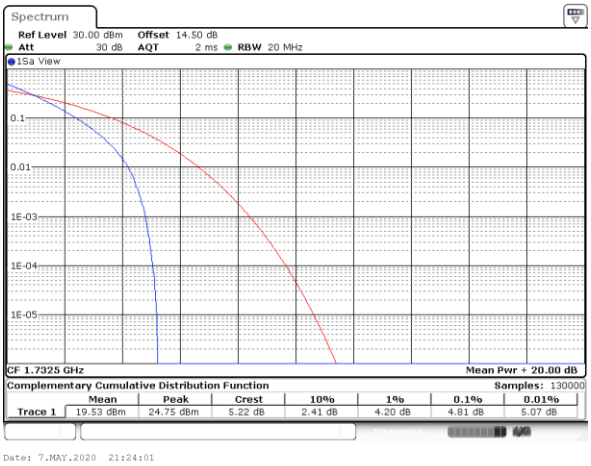
Lowest Channel / Full RB



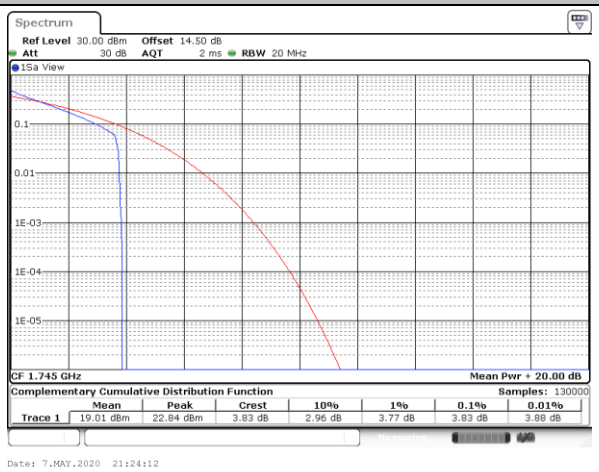
Middle Channel / 1RB



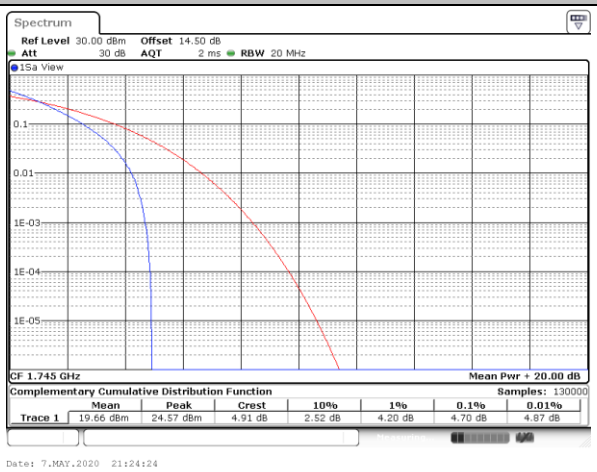
Middle Channel / Full RB



Highest Channel / 1RB

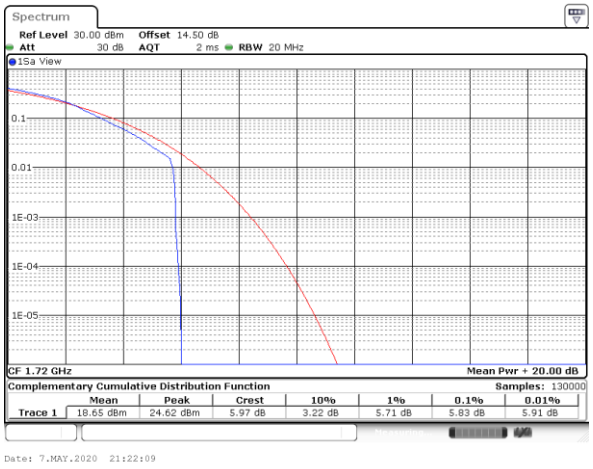


Highest Channel / Full RB

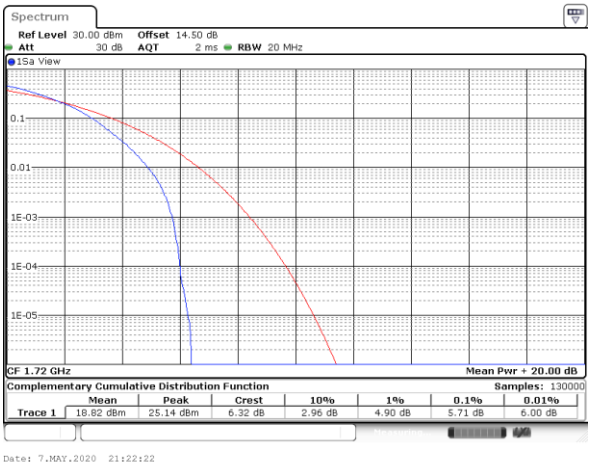


LTE Band 4 / 20MHz / 16QAM

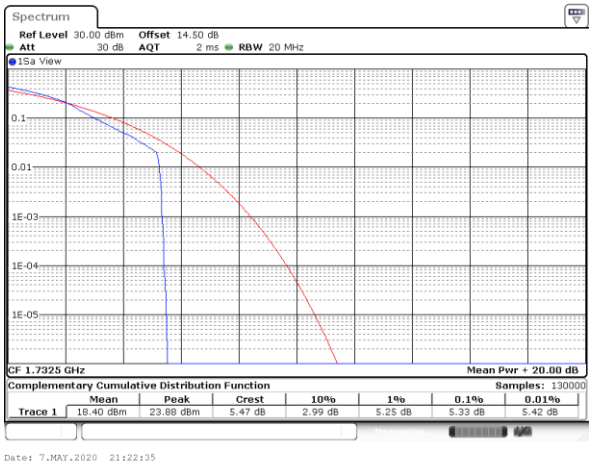
Lowest Channel / 1RB



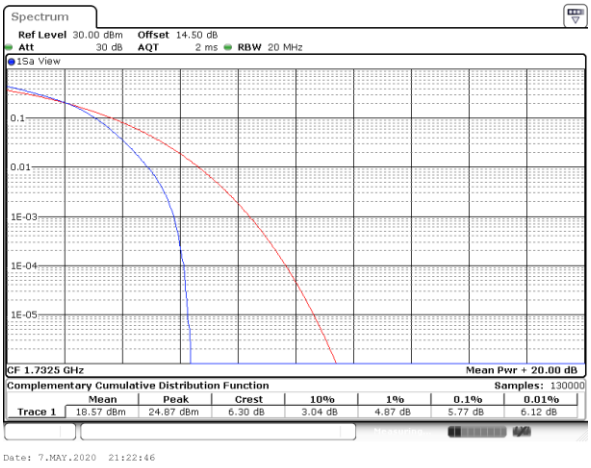
Lowest Channel / Full RB



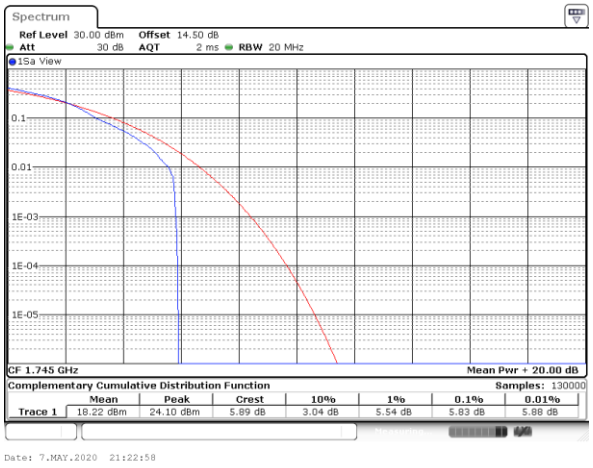
Middle Channel / 1RB



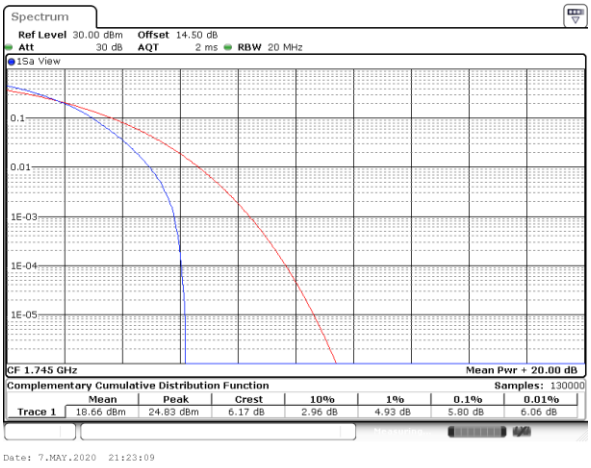
Middle Channel / Full RB



Highest Channel / 1RB

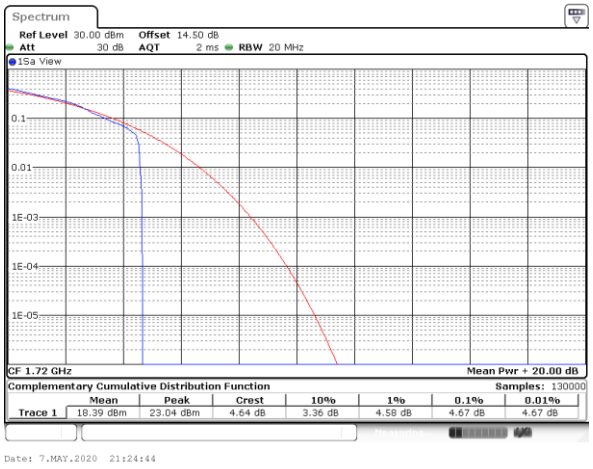


Highest Channel / Full RB

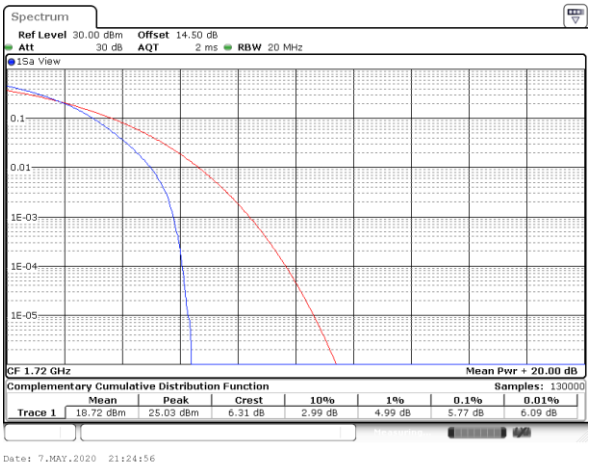


LTE Band 4 / 20MHz / 64QAM

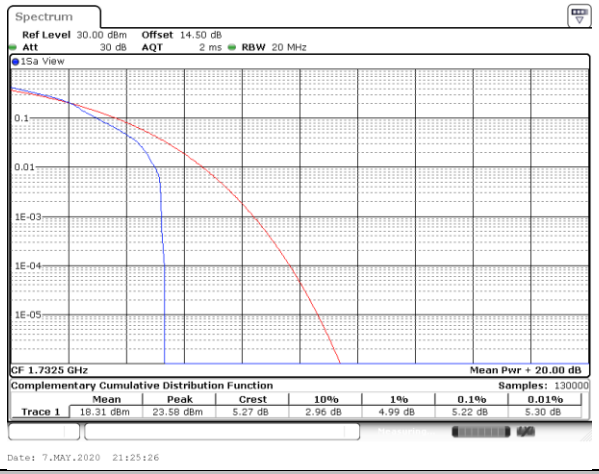
Lowest Channel / 1RB



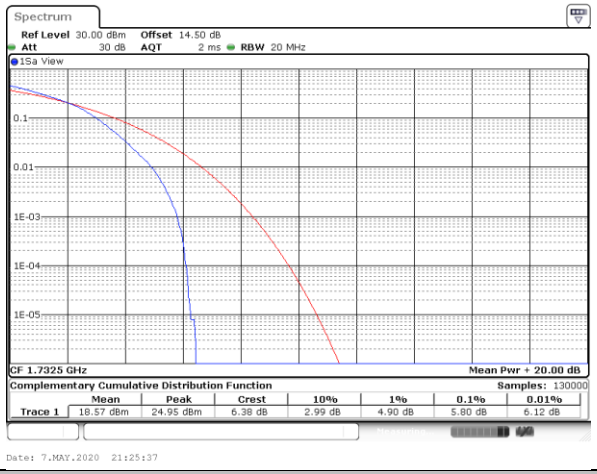
Lowest Channel / Full RB



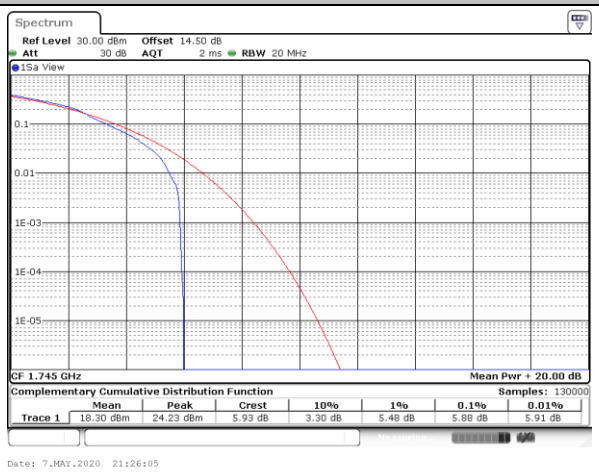
Middle Channel / 1RB



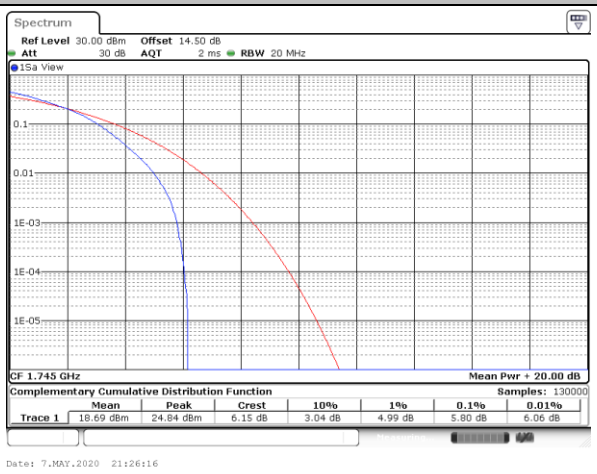
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

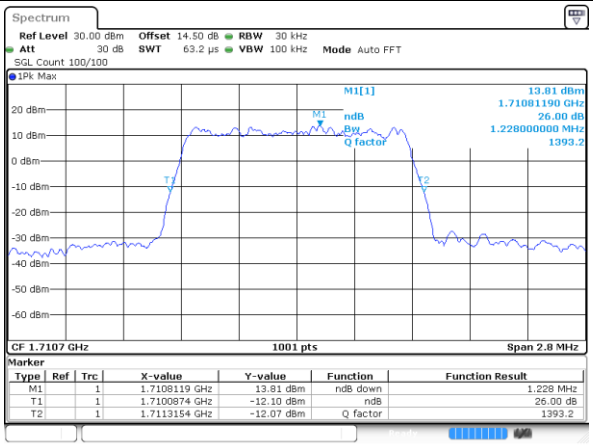


26dB Bandwidth

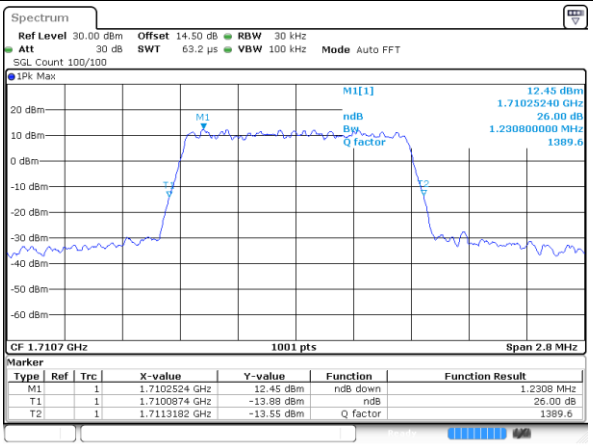
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.23	2.98	2.97	4.96	4.91	9.83	9.73	14.39	14.36	19.14	18.74
Middle CH	1.22	1.23	3.05	3.02	4.90	4.87	9.81	9.81	14.48	14.42	19.18	19.14
Highest CH	1.23	1.23	3.05	3.00	4.92	4.91	9.83	9.77	14.42	14.39	18.86	18.74
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	-	4.91	-	9.81	-	14.45	-	19.14	-
Middle CH	1.23	-	3.00	-	4.92	-	9.81	-	14.51	-	18.70	-
Highest CH	1.23	-	3.03	-	4.89	-	9.89	-	14.30	-	18.82	-

LTE Band 4

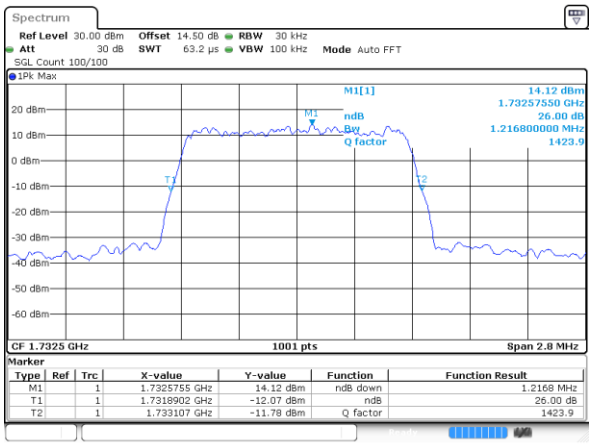
Lowest Channel / 1.4MHz / QPSK



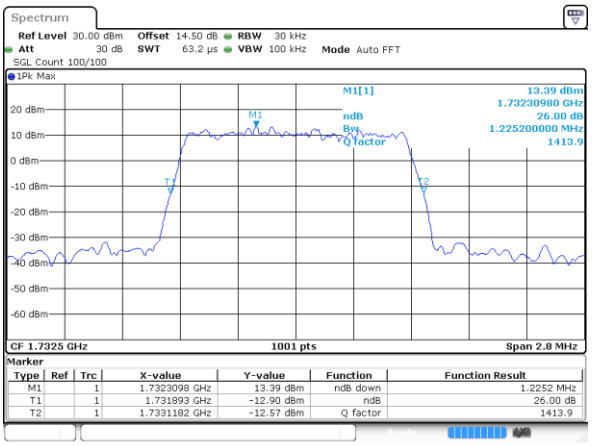
Lowest Channel / 1.4MHz / 16QAM



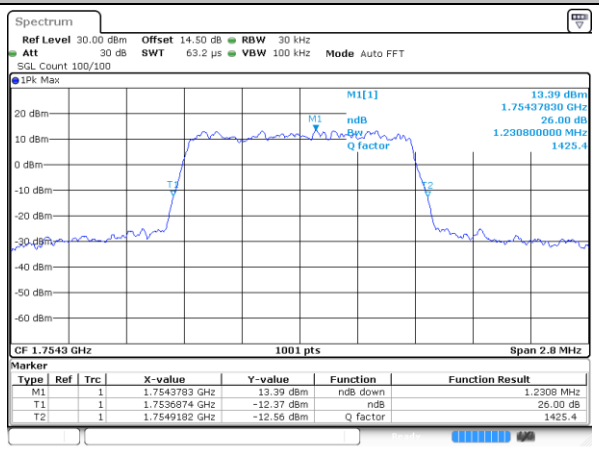
Middle Channel / 1.4MHz / QPSK



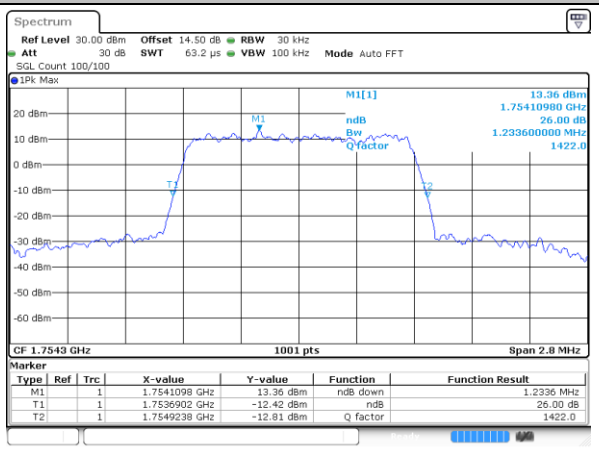
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

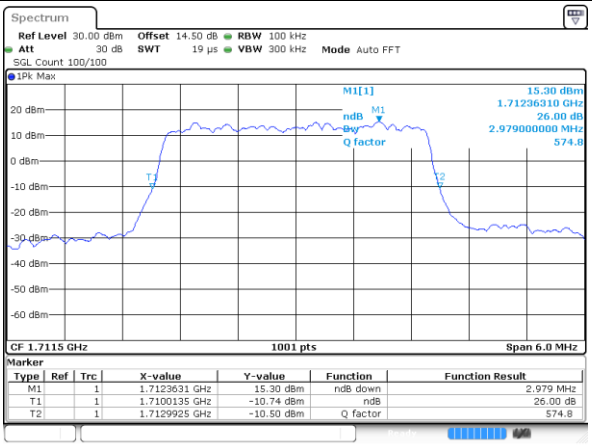


Highest Channel / 1.4MHz / 16QAM

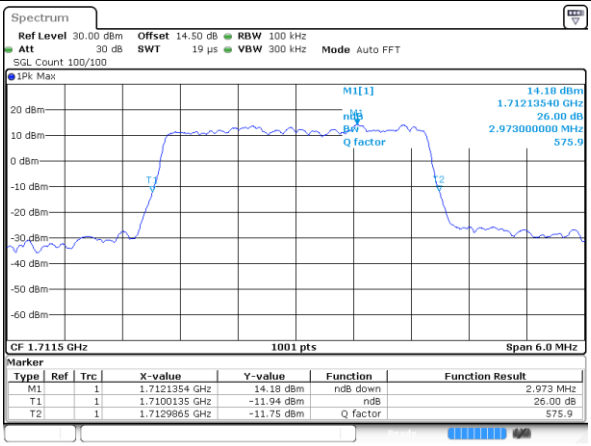


LTE Band 4

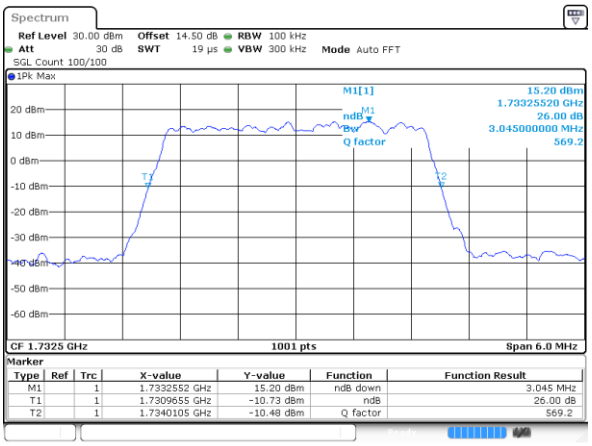
Lowest Channel / 3MHz / QPSK



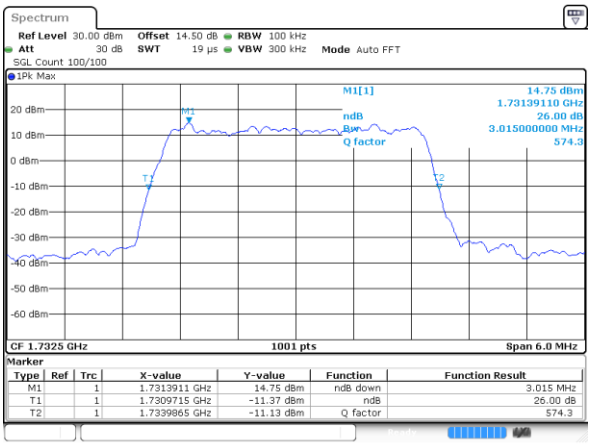
Lowest Channel / 3MHz / 16QAM



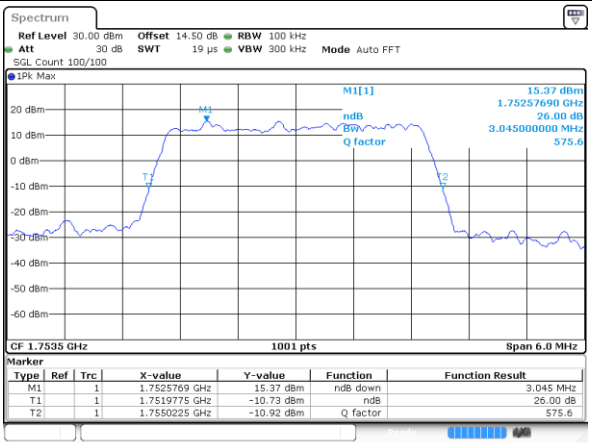
Middle Channel / 3MHz / QPSK



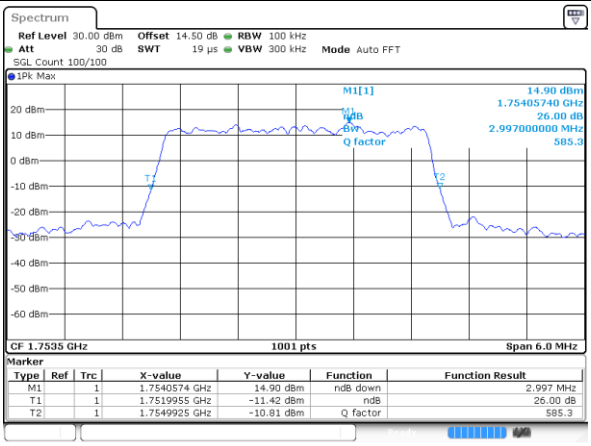
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

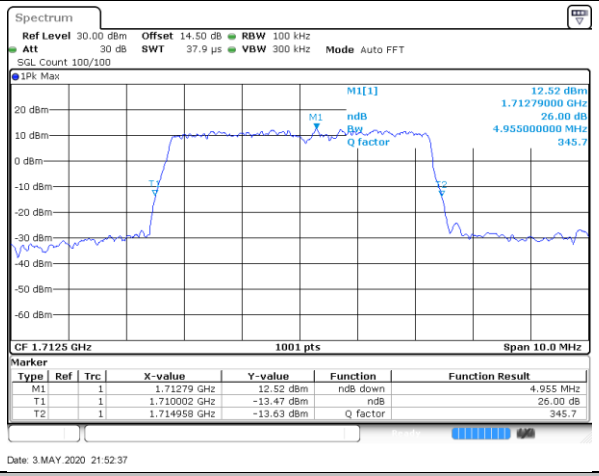


Highest Channel / 3MHz / 16QAM

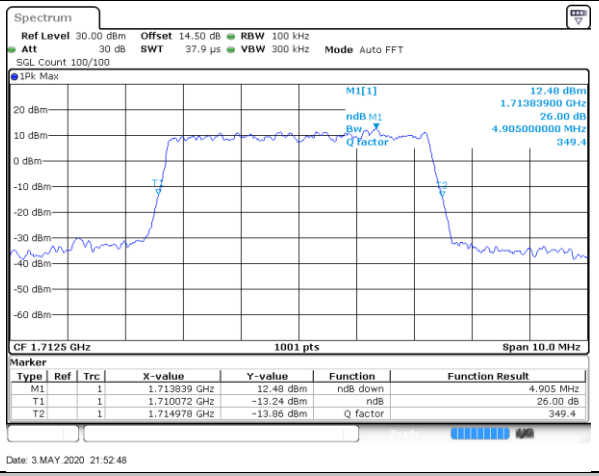


LTE Band 4

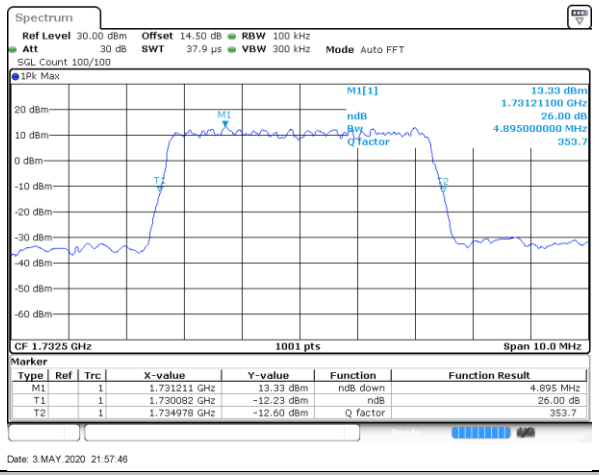
Lowest Channel / 5MHz / QPSK



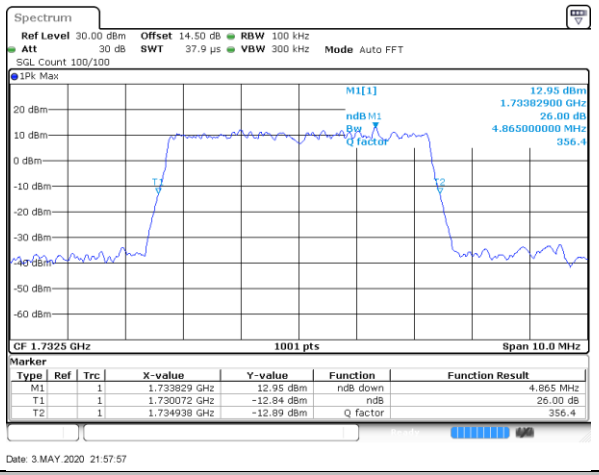
Lowest Channel / 5MHz / 16QAM



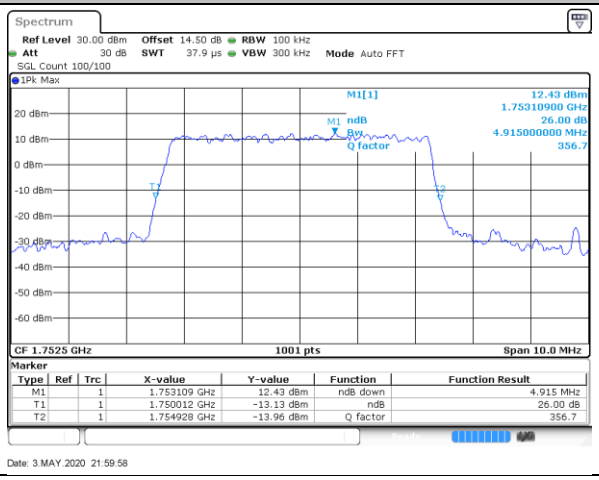
Middle Channel / 5MHz / QPSK



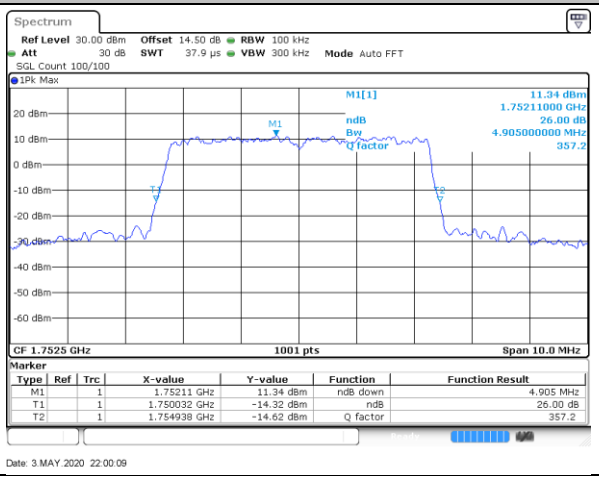
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

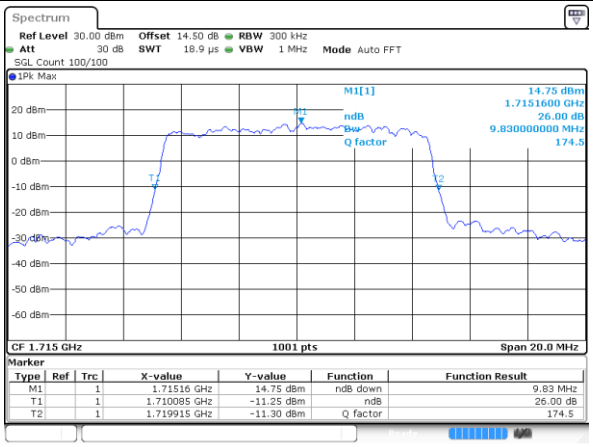


Highest Channel / 5MHz / 16QAM

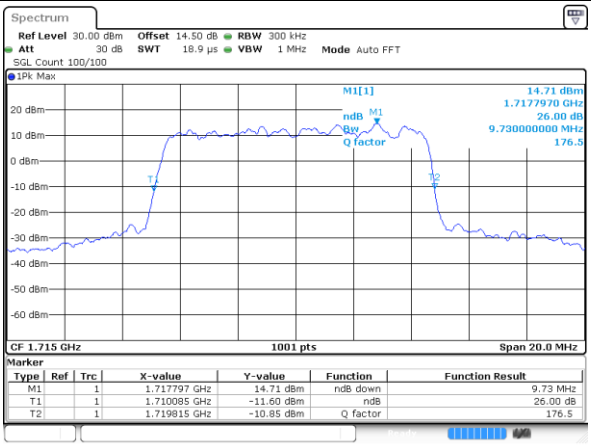


LTE Band 4

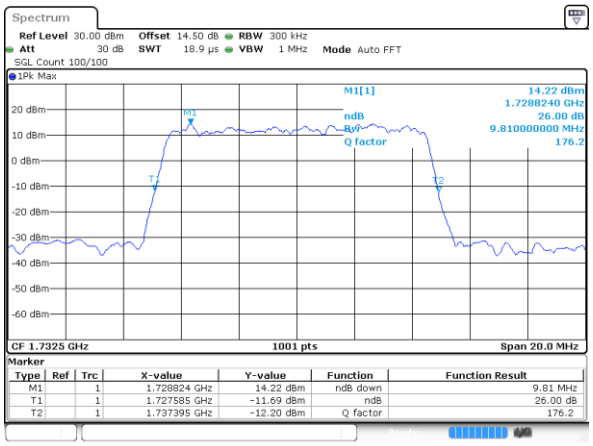
Lowest Channel / 10MHz / QPSK



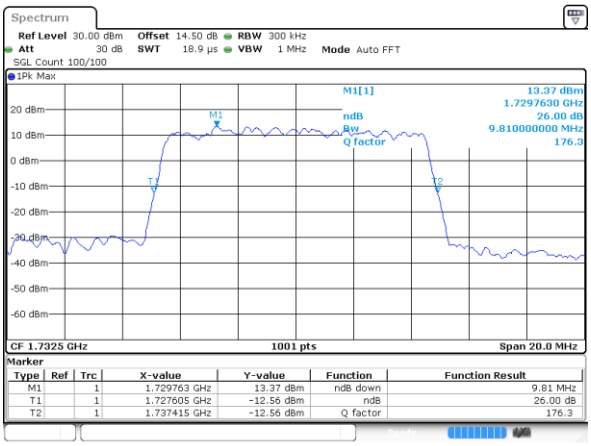
Lowest Channel / 10MHz / 16QAM



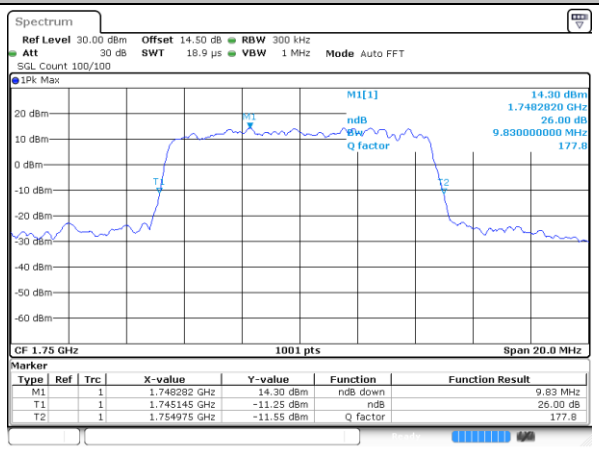
Middle Channel / 10MHz / QPSK



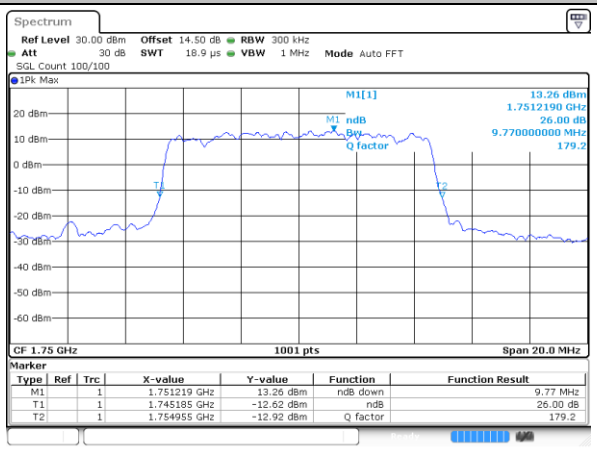
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

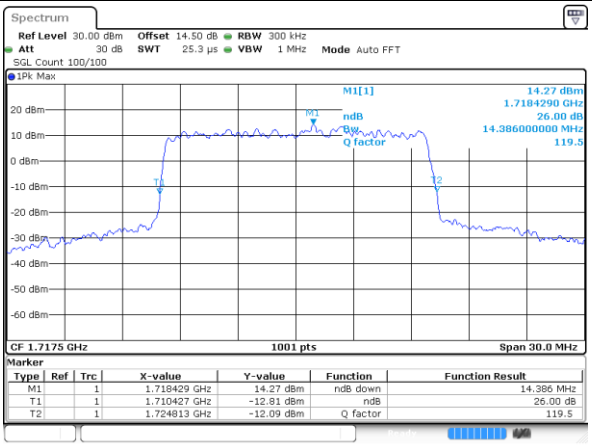


Highest Channel / 10MHz / 16QAM

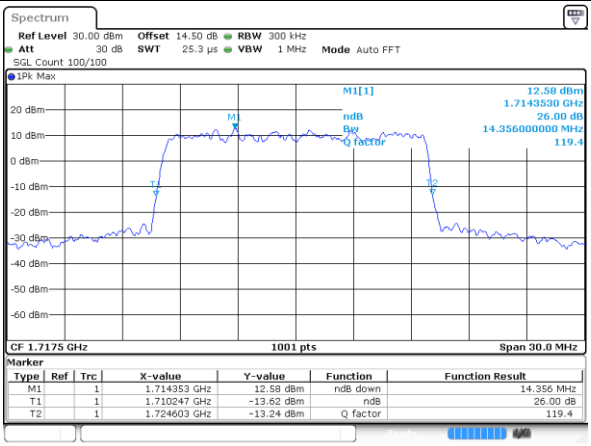


LTE Band 4

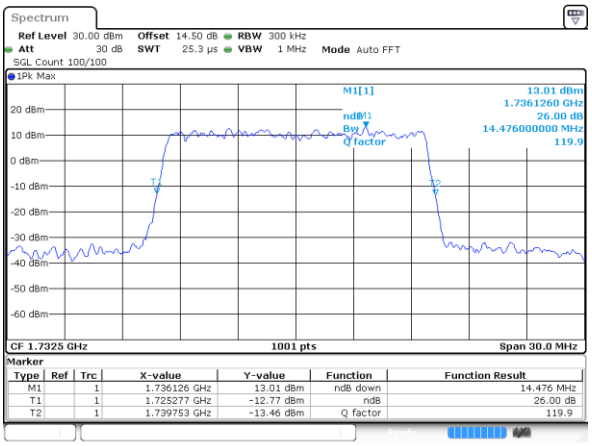
Lowest Channel / 15MHz / QPSK



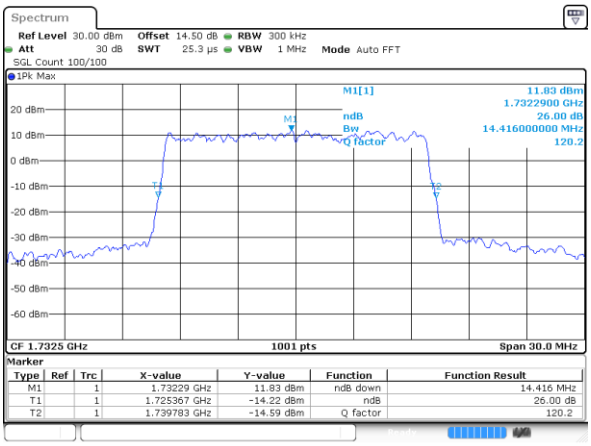
Lowest Channel / 15MHz / 16QAM



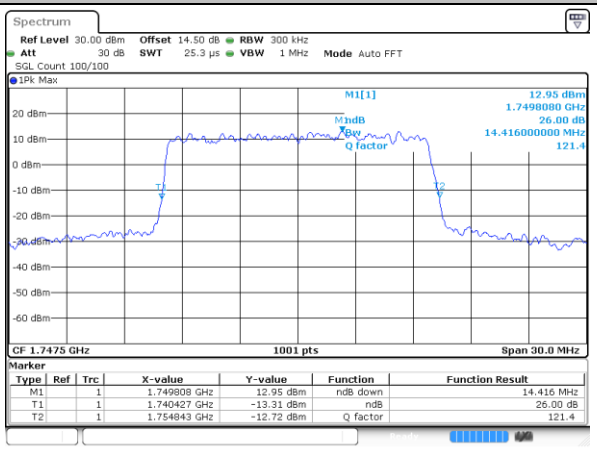
Middle Channel / 15MHz / QPSK



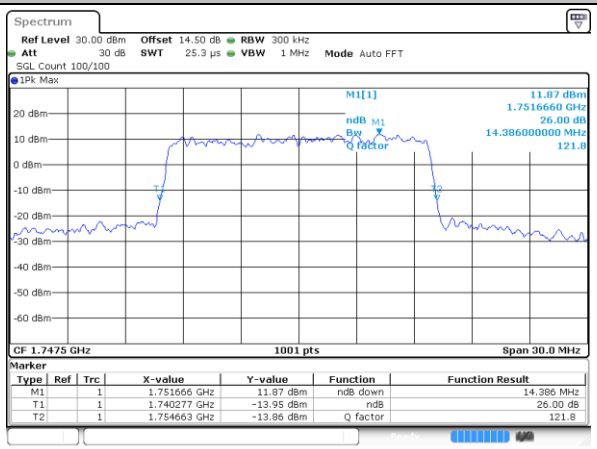
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

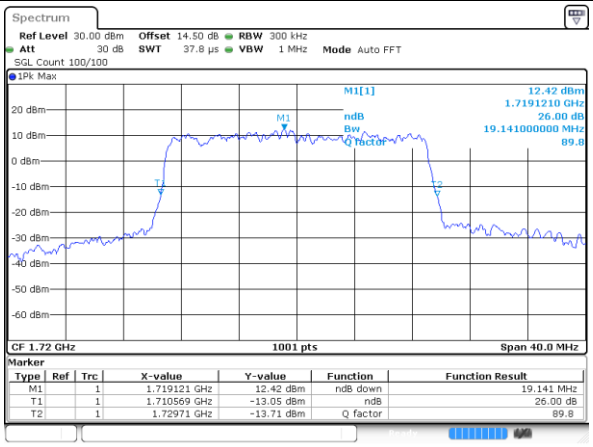


Highest Channel / 15MHz / 16QAM

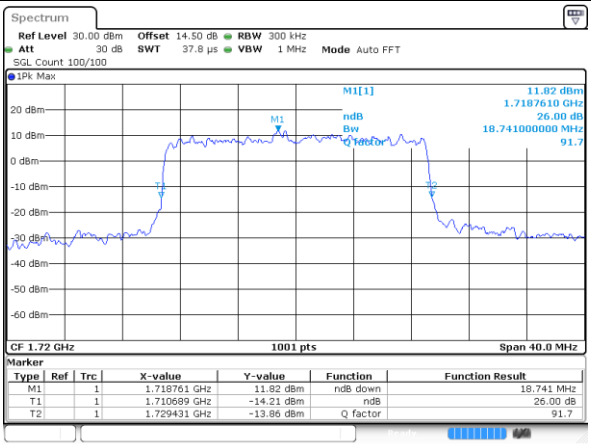


LTE Band 4

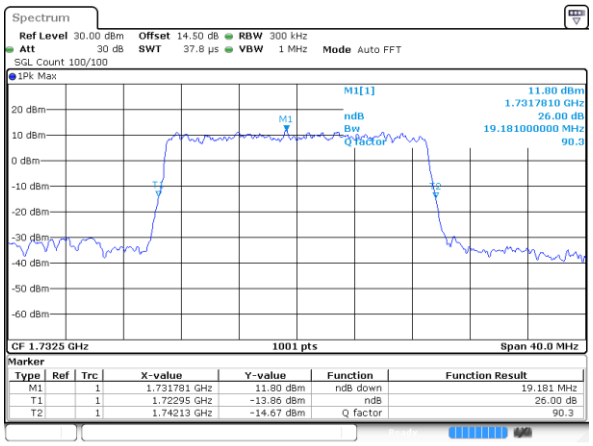
Lowest Channel / 20MHz / QPSK



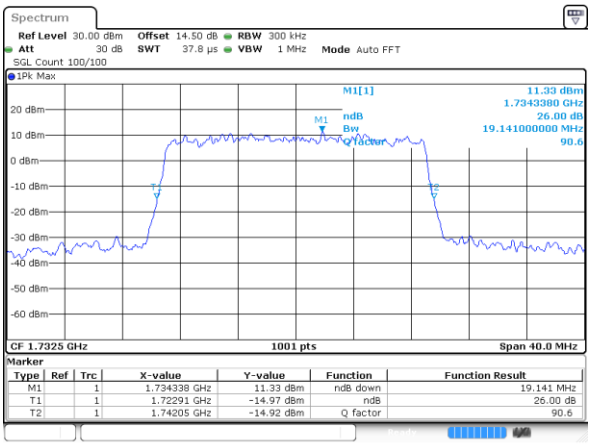
Lowest Channel / 20MHz / 16QAM



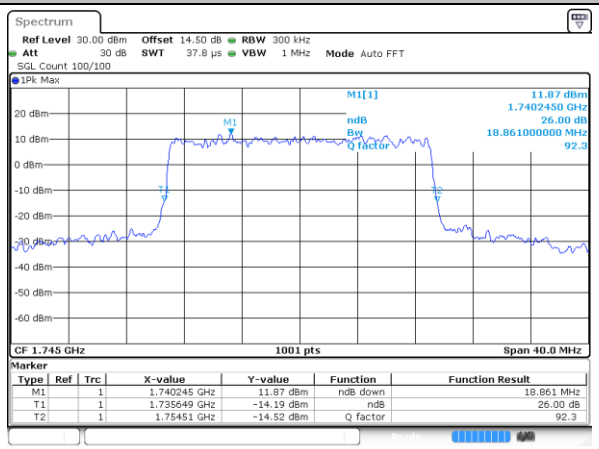
Middle Channel / 20MHz / QPSK



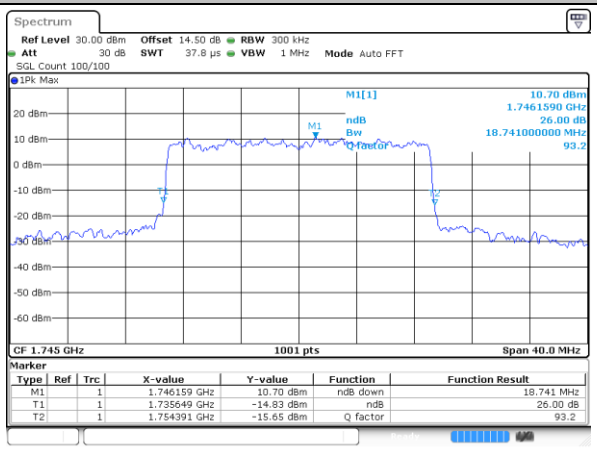
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

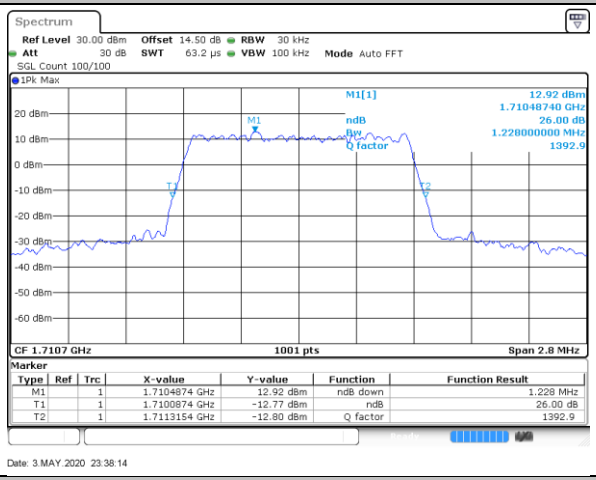


Highest Channel / 20MHz / 16QAM

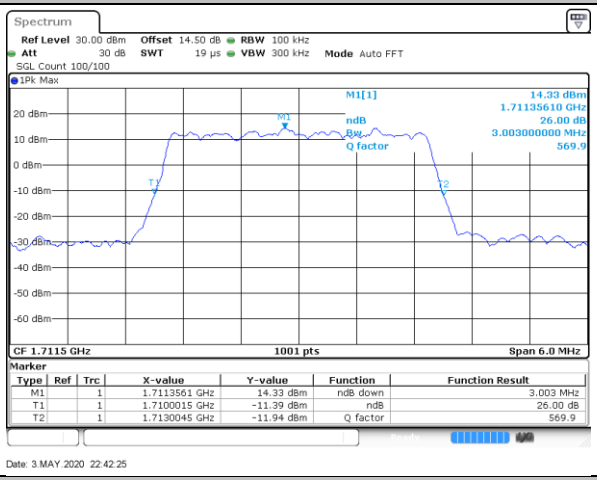


LTE Band 4

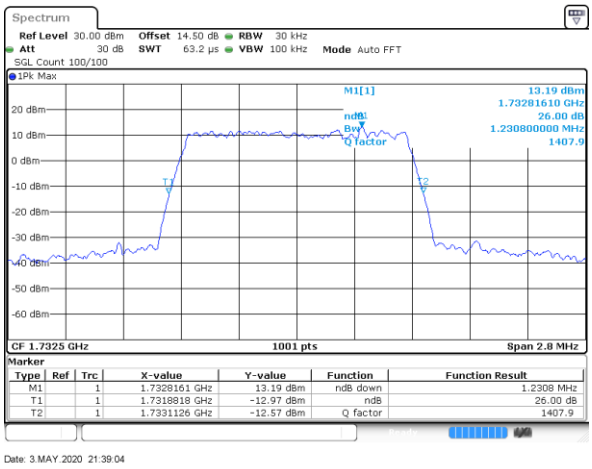
Lowest Channel / 1.4MHz / 64QAM



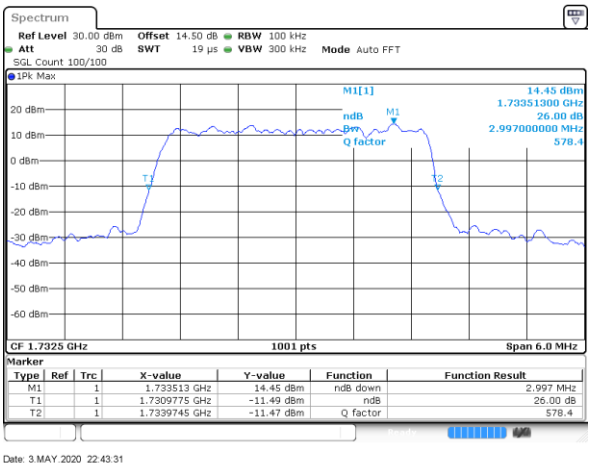
Lowest Channel / 3MHz / 64QAM



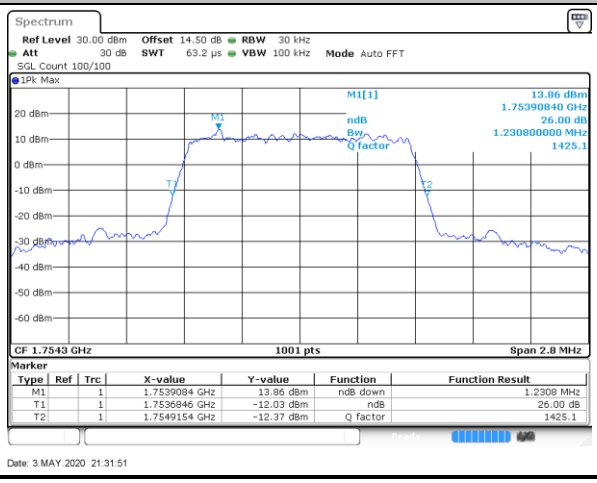
Middle Channel / 1.4MHz / 64QAM



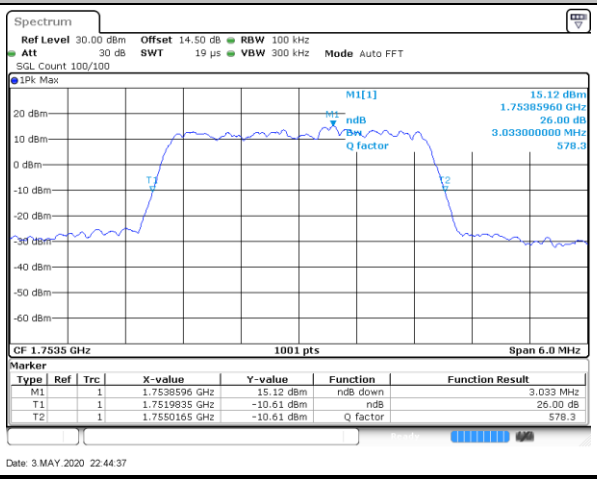
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

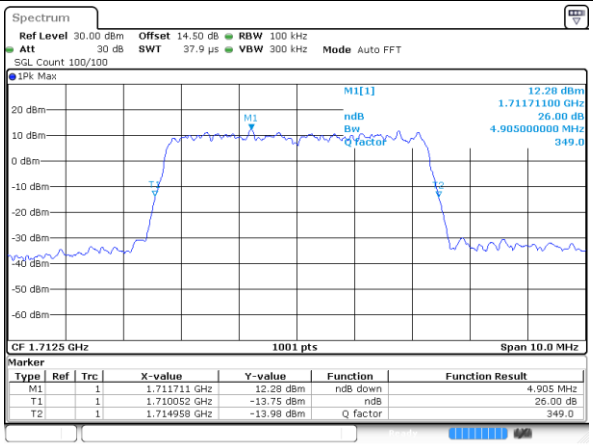


Highest Channel / 3MHz / 64QAM

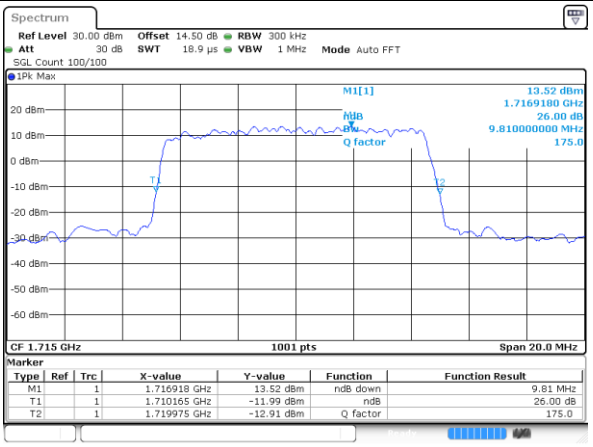


LTE Band 4

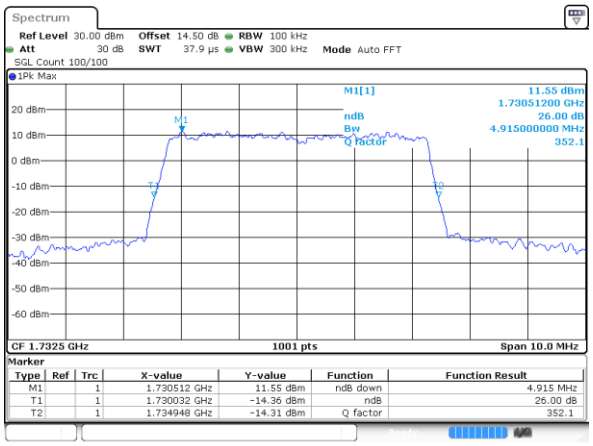
Lowest Channel / 5MHz / 64QAM



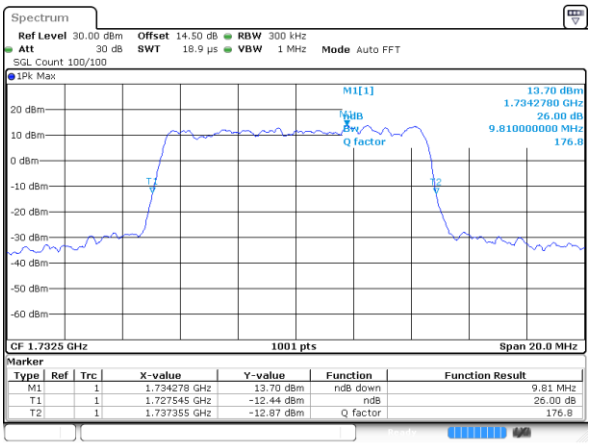
Lowest Channel / 10MHz / 64QAM



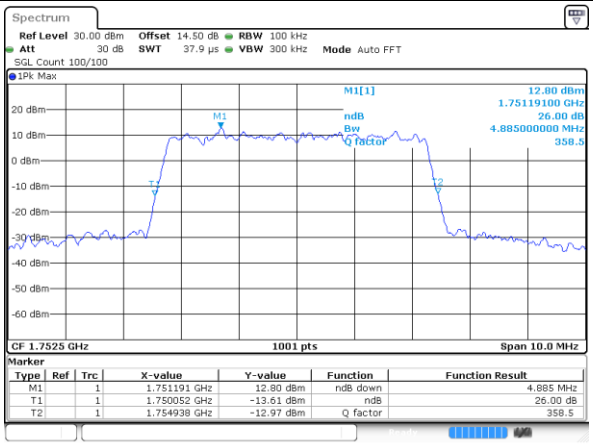
Middle Channel / 5MHz / 64QAM



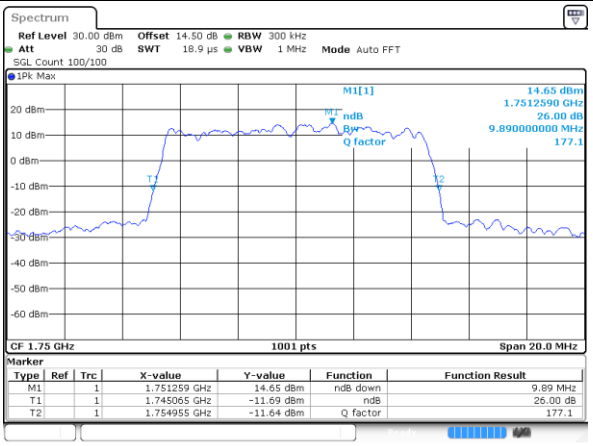
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

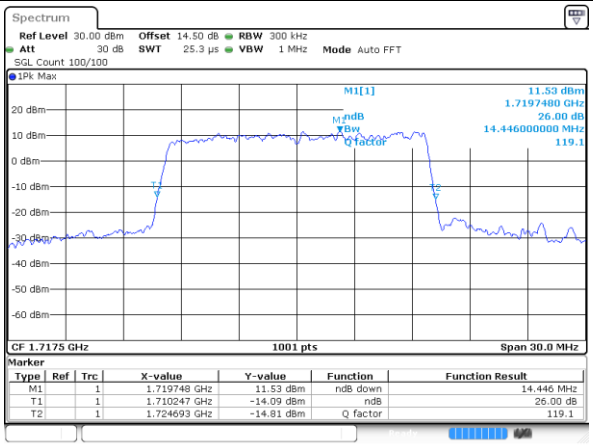


Highest Channel / 10MHz / 64QAM

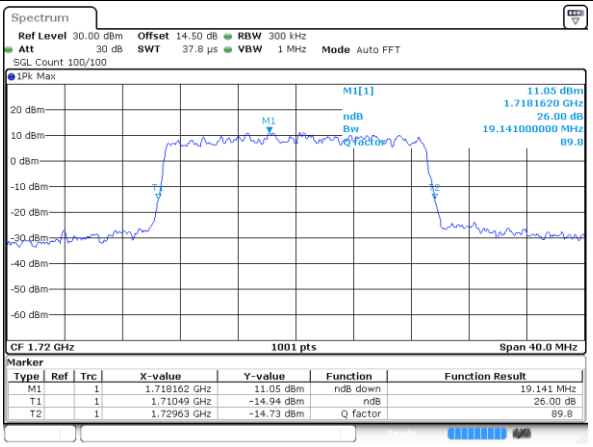


LTE Band 4

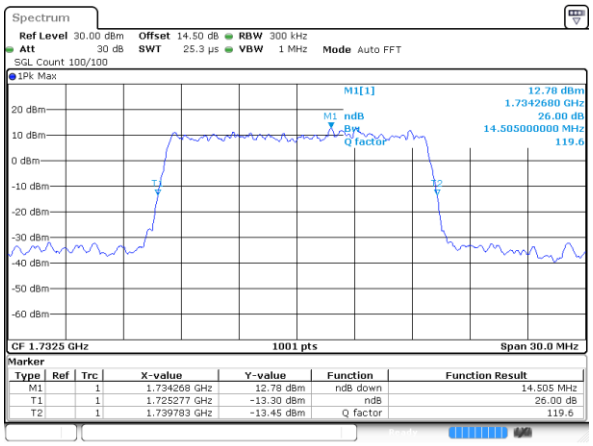
Lowest Channel / 15MHz / 64QAM



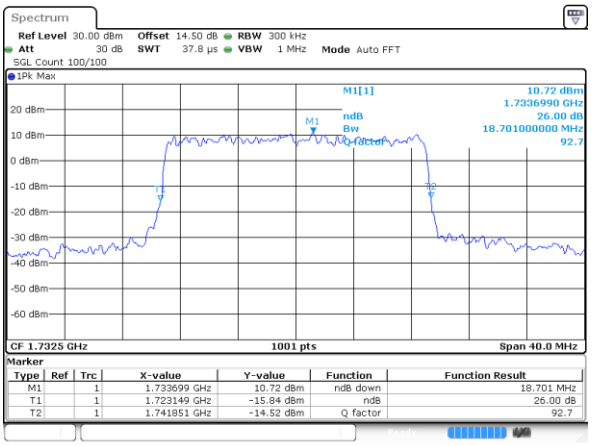
Lowest Channel / 20MHz / 64QAM



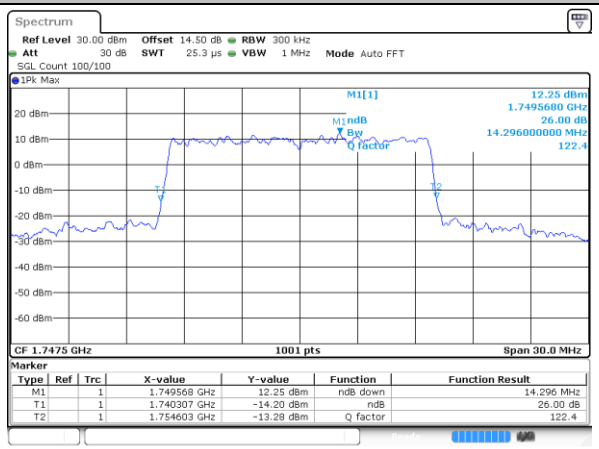
Middle Channel / 15MHz / 64QAM



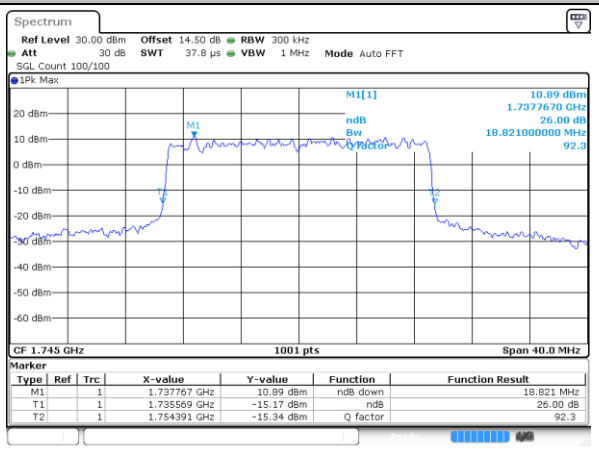
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

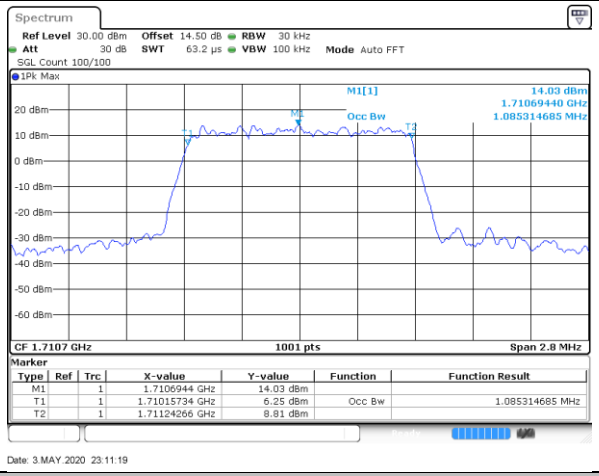


Occupied Bandwidth

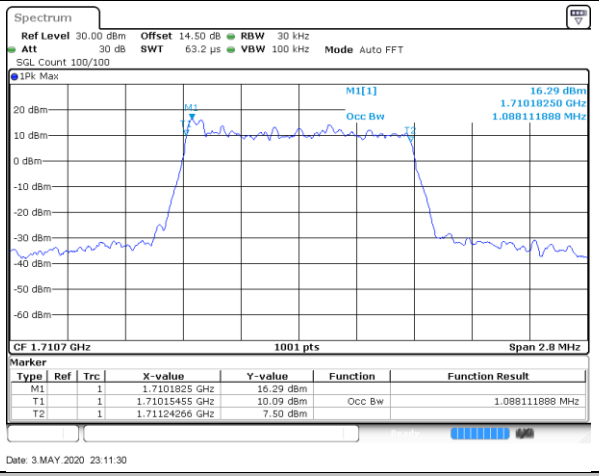
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.72	4.49	4.49	8.99	9.03	13.40	13.52	17.90	17.78
Middle CH	1.09	1.09	2.74	2.72	4.50	4.48	9.07	8.99	13.43	13.43	17.82	17.86
Highest CH	1.09	1.09	2.73	2.72	4.50	4.50	8.99	9.03	13.43	13.40	17.86	17.90
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	-	4.50	-	8.97	-	13.43	-	17.90	-
Middle CH	1.09	-	2.72	-	4.50	-	8.99	-	13.43	-	17.94	-
Highest CH	1.09	-	2.73	-	4.49	-	8.97	-	13.43	-	17.94	-

LTE Band 4

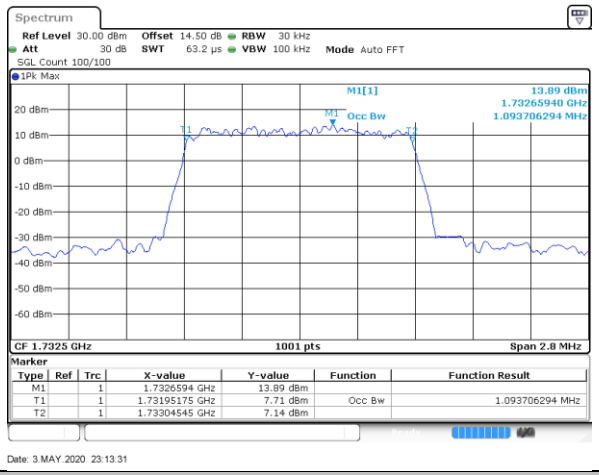
Lowest Channel / 1.4MHz / QPSK



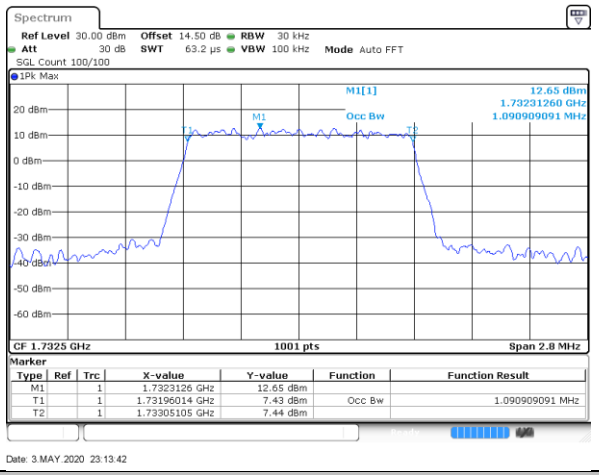
Lowest Channel / 1.4MHz / 16QAM



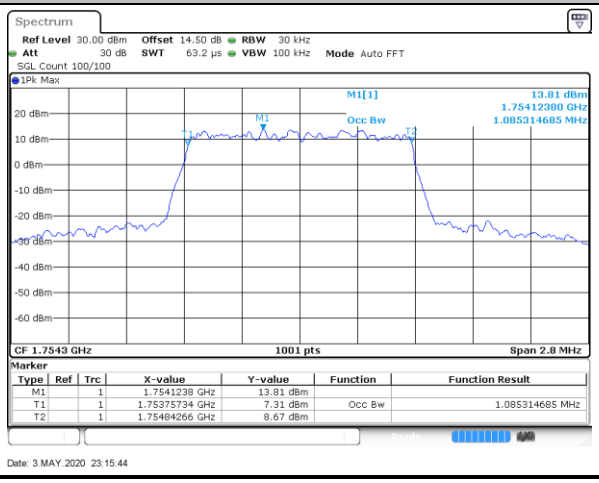
Middle Channel / 1.4MHz / QPSK



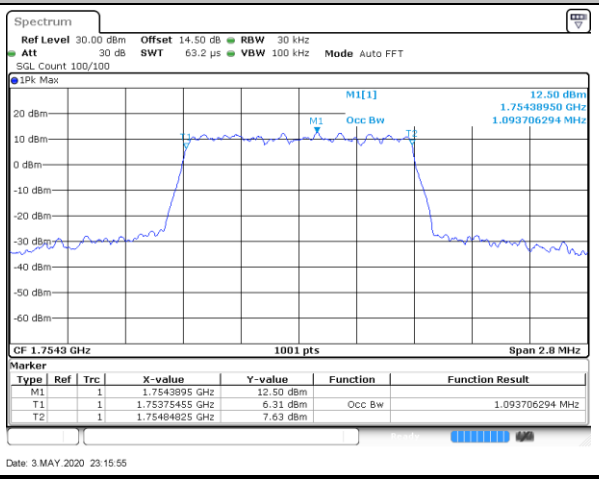
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

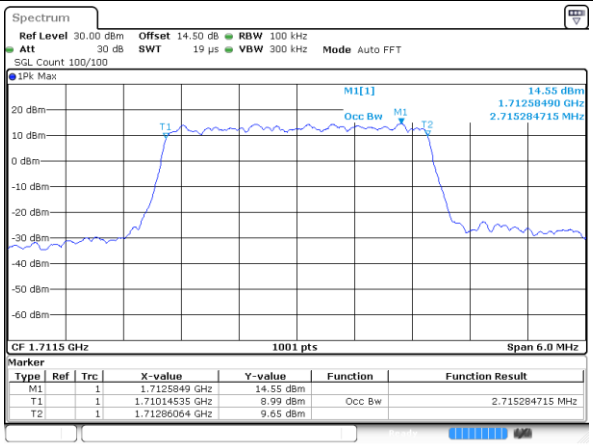


Highest Channel / 1.4MHz / 16QAM

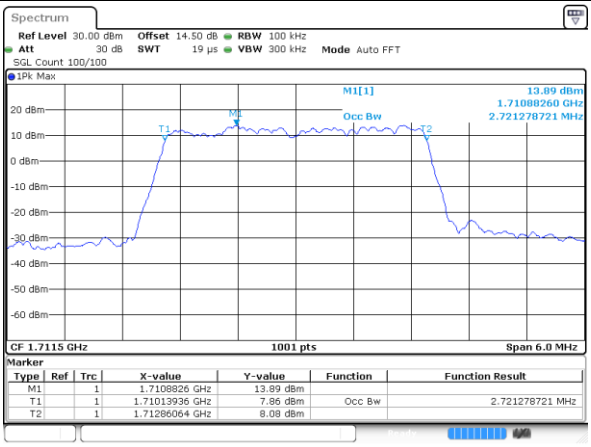


LTE Band 4

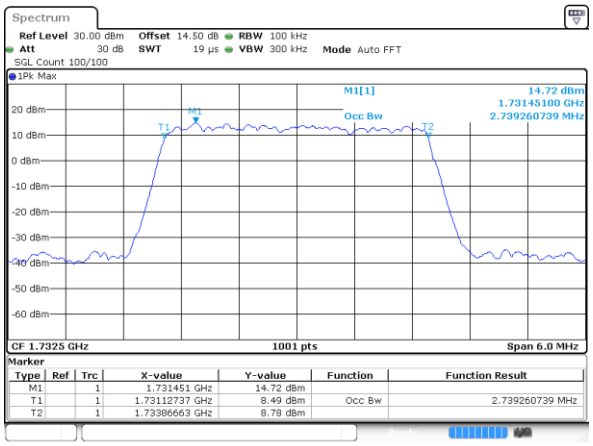
Lowest Channel / 3MHz / QPSK



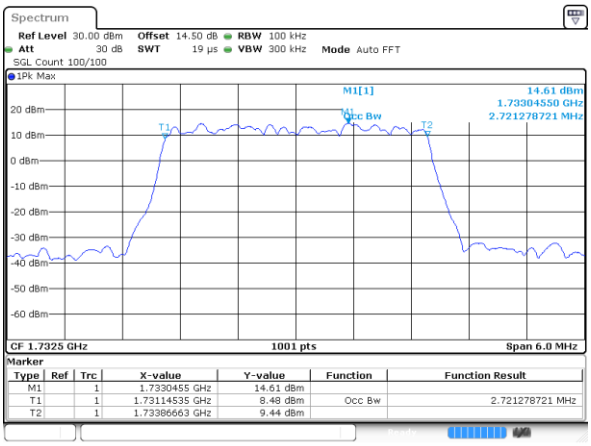
Lowest Channel / 3MHz / 16QAM



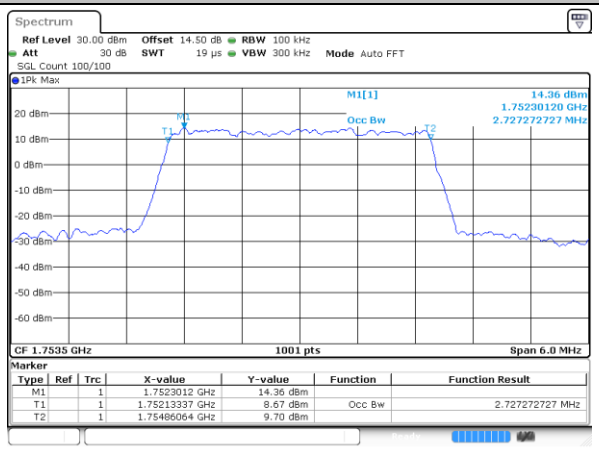
Middle Channel / 3MHz / QPSK



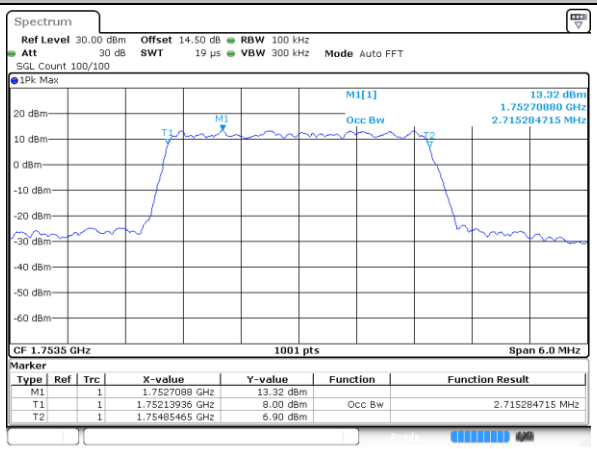
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

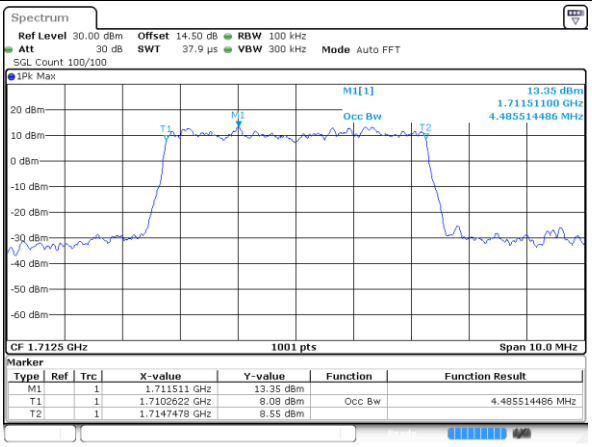


Highest Channel / 3MHz / 16QAM



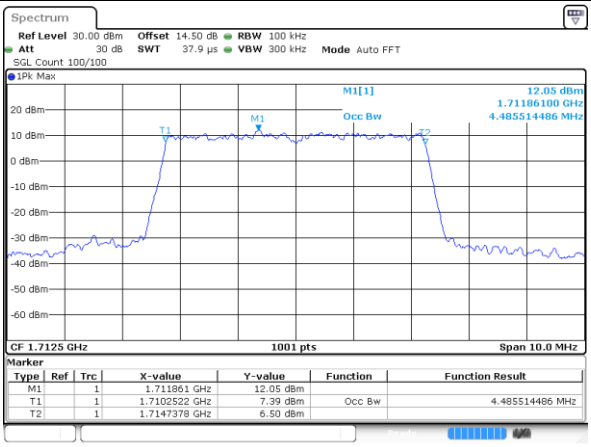
LTE Band 4

Lowest Channel / 5MHz / QPSK



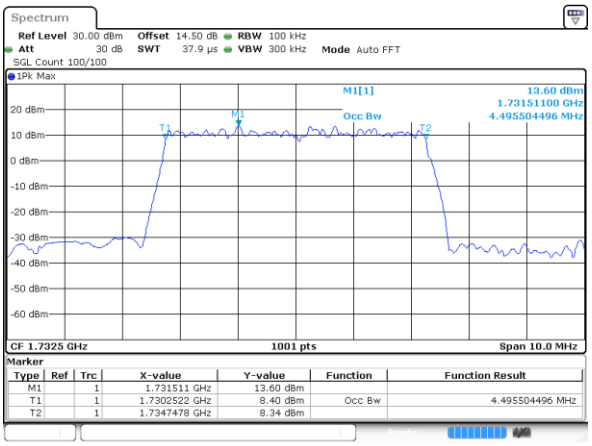
Date: 3.MAY.2020 21:52:16

Lowest Channel / 5MHz / 16QAM



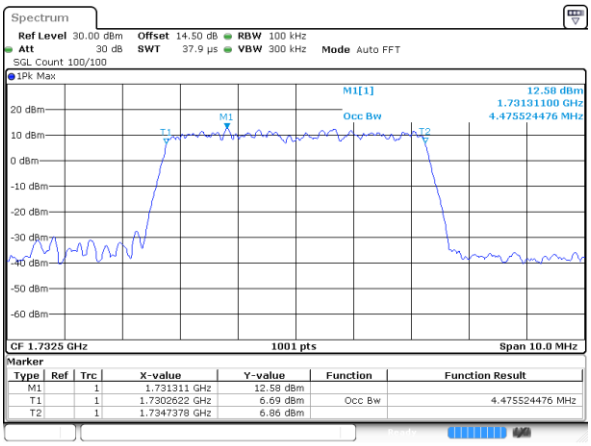
Date: 3.MAY.2020 21:52:26

Middle Channel / 5MHz / QPSK



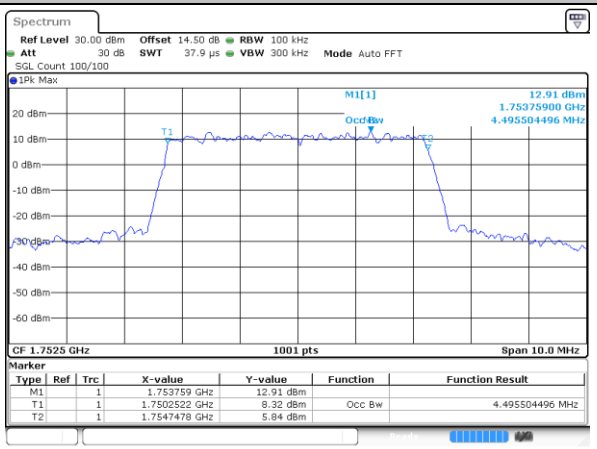
Date: 3.MAY.2020 21:57:24

Middle Channel / 5MHz / 16QAM



Date: 3.MAY.2020 21:57:35

Highest Channel / 5MHz / QPSK



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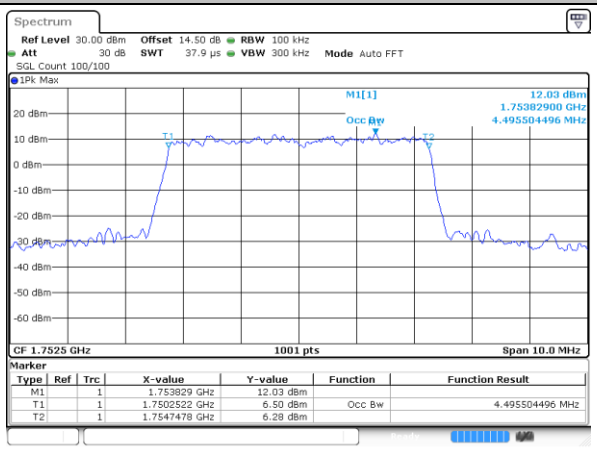
Highest Channel / 5MHz / 16QAM



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