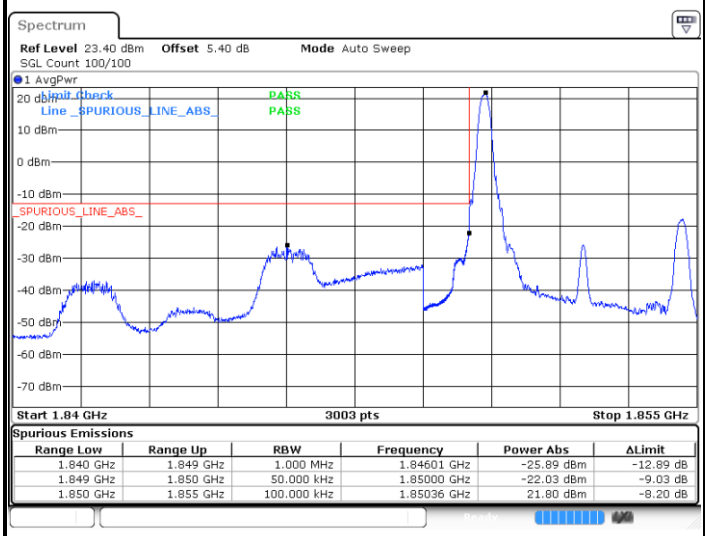
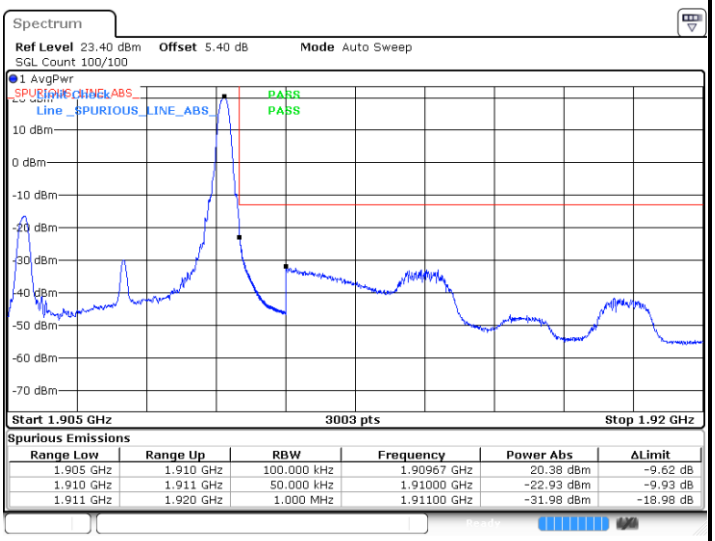
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



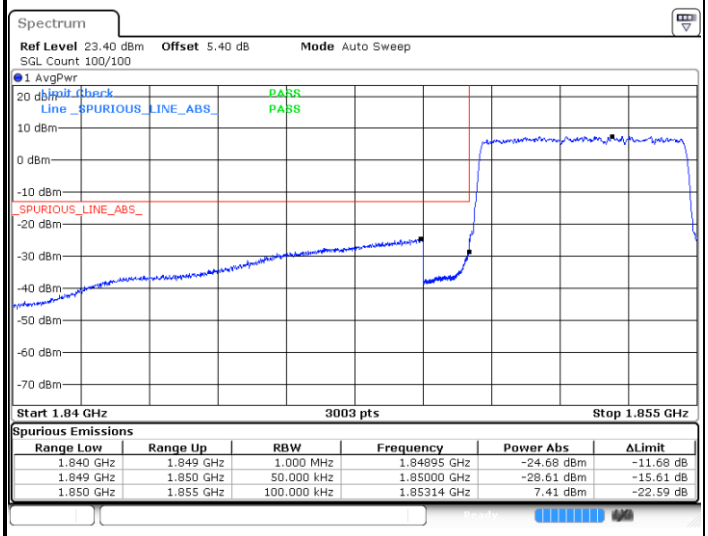
Date: 31.JUL.2020 23:51:19

Highest Band Edge / 1 RB



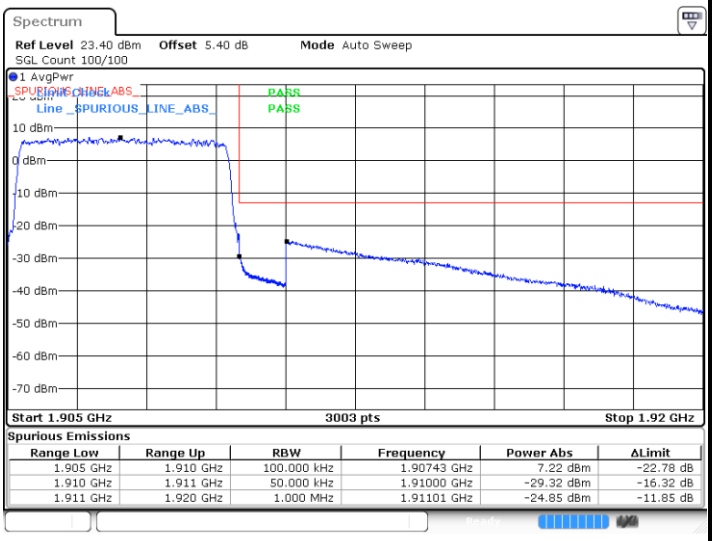
Date: 1.AUG.2020 00:00:49

Lowest Band Edge / Full RB



Date: 31.JUL.2020 23:53:37

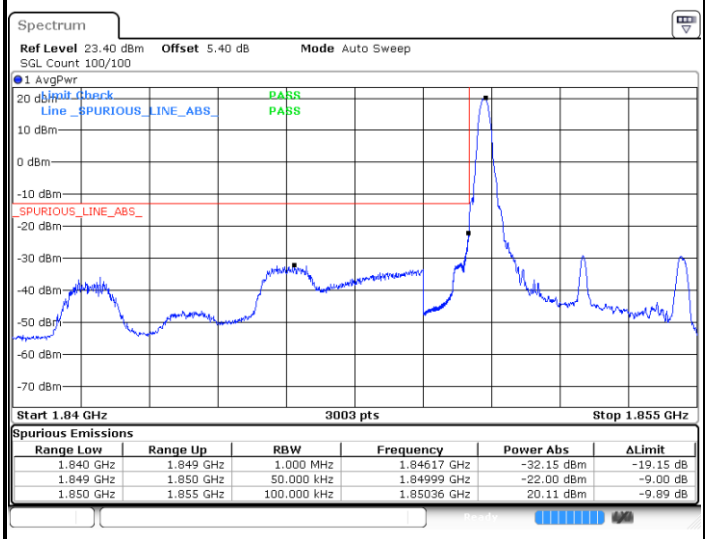
Highest Band Edge / Full RB



Date: 1.AUG.2020 00:03:07

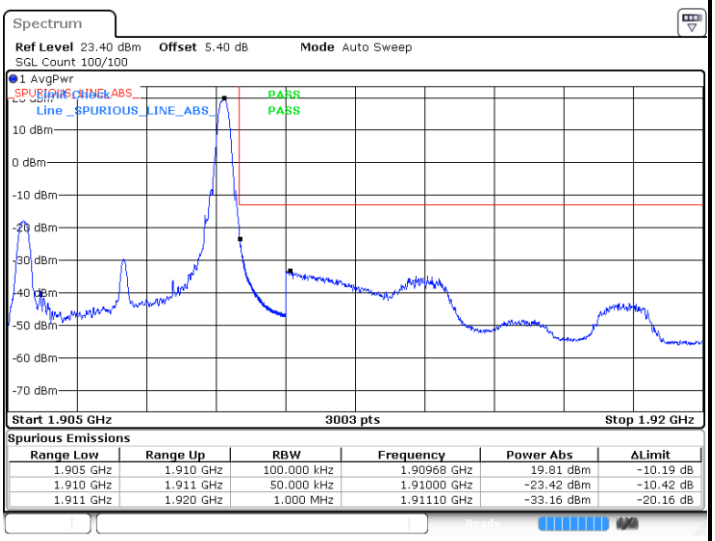
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



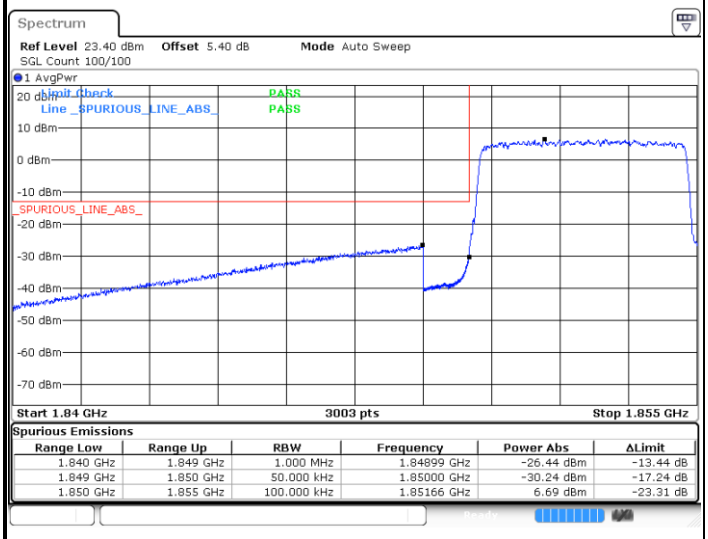
Date: 31.JUL.2020 23:52:28

Highest Band Edge / 1 RB



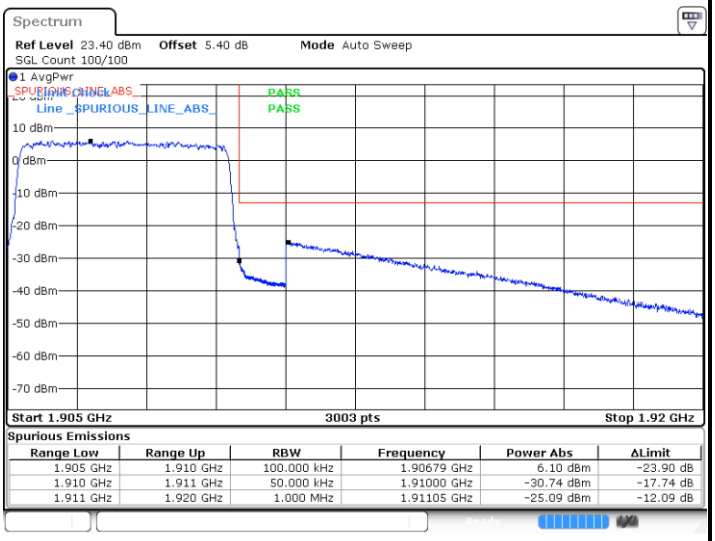
Date: 1.AUG.2020 00:01:58

Lowest Band Edge / Full RB



Date: 31.JUL.2020 23:54:45

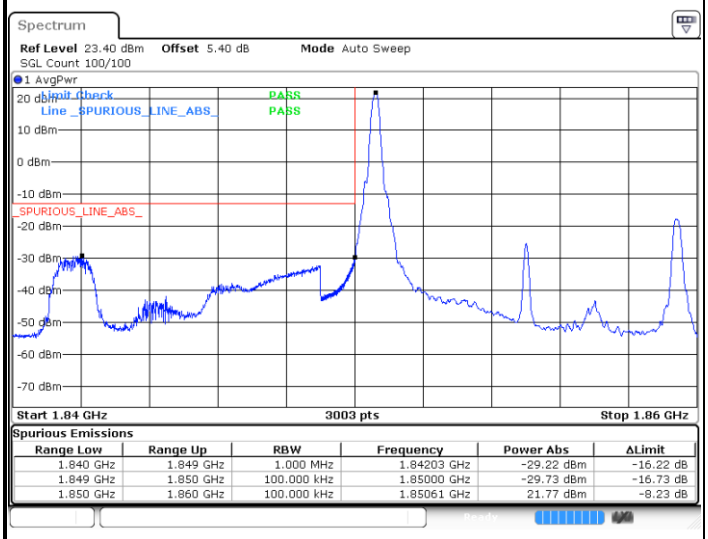
Highest Band Edge / Full RB



Date: 1.AUG.2020 00:04:15

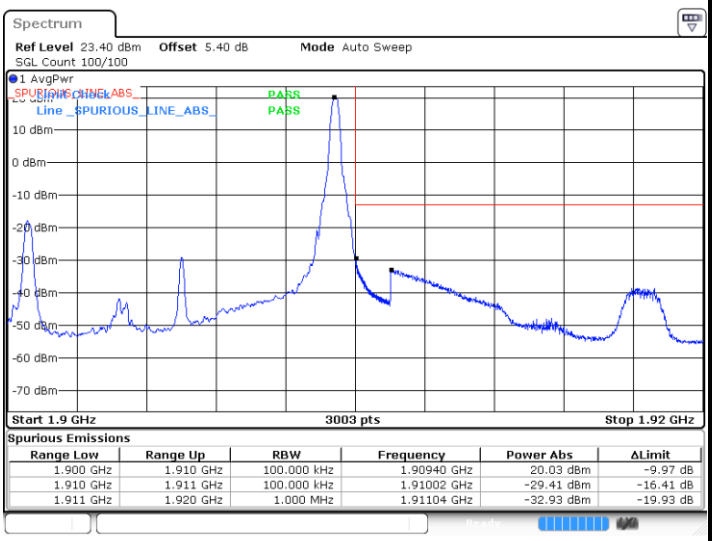
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



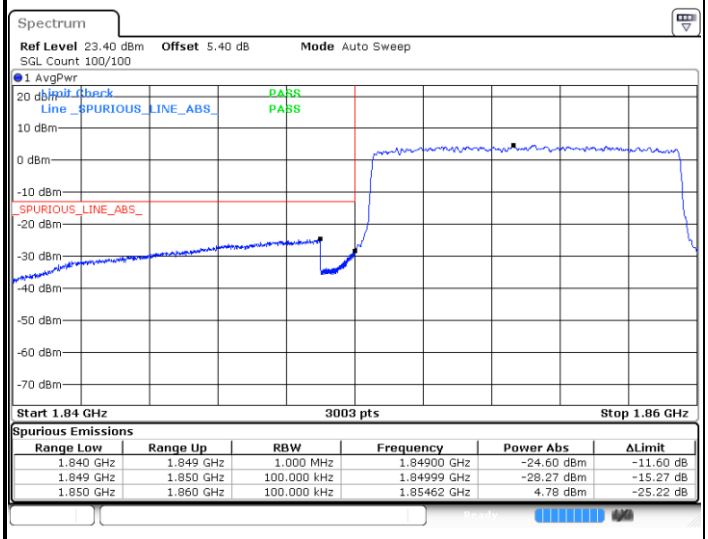
Date: 1.AUG.2020 00:07:52

Highest Band Edge / 1 RB



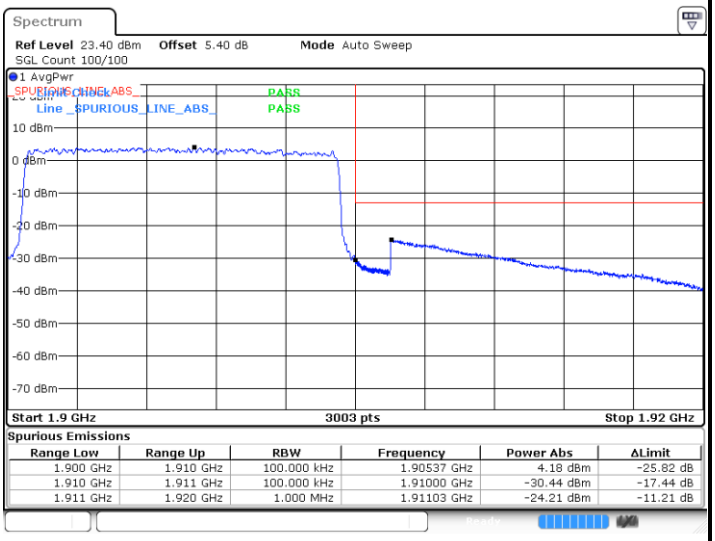
Date: 1.AUG.2020 00:17:23

Lowest Band Edge / Full RB



Date: 1.AUG.2020 00:10:10

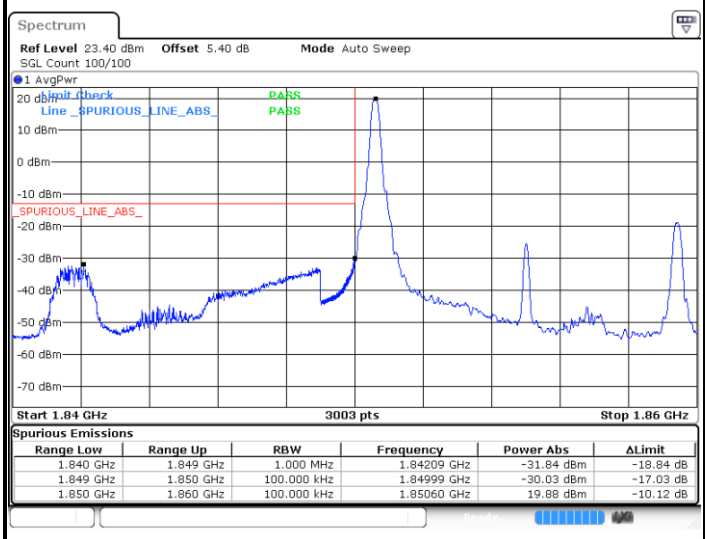
Highest Band Edge / Full RB



Date: 1.AUG.2020 00:19:41

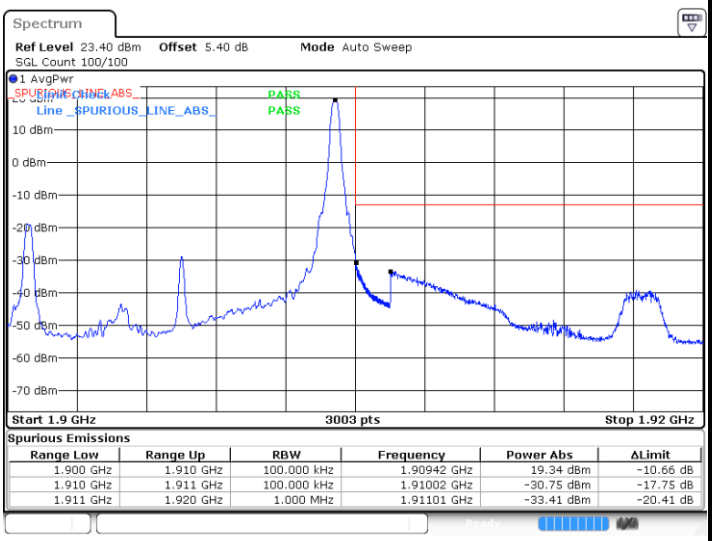
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



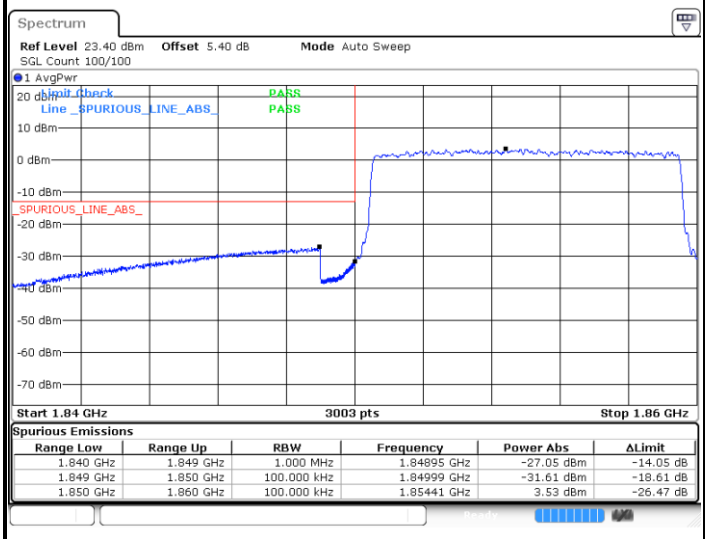
Date: 1.AUG.2020 00:09:01

Highest Band Edge / 1 RB



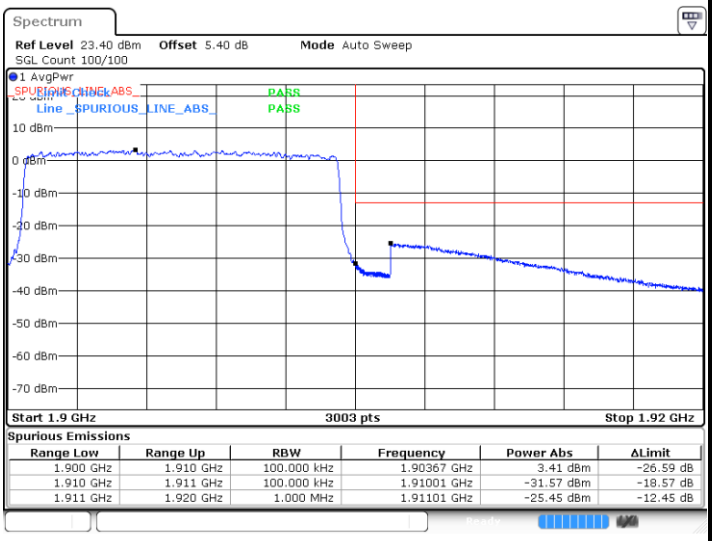
Date: 1.AUG.2020 00:18:32

Lowest Band Edge / Full RB



Date: 1.AUG.2020 00:11:18

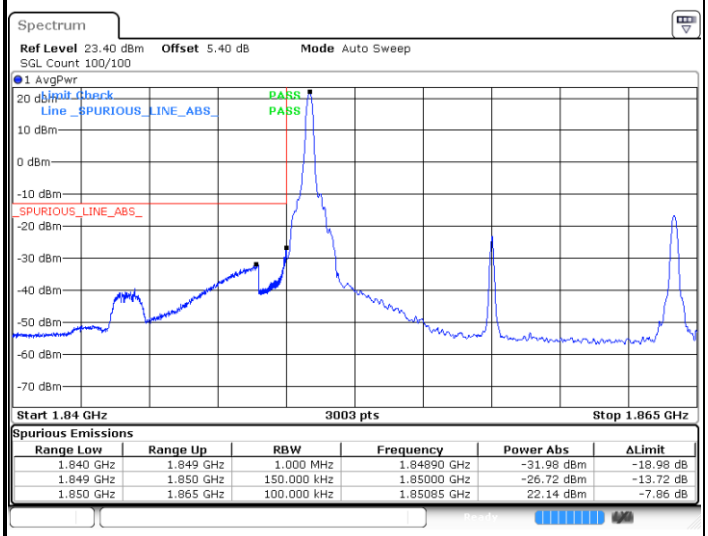
Highest Band Edge / Full RB



Date: 1.AUG.2020 00:20:49

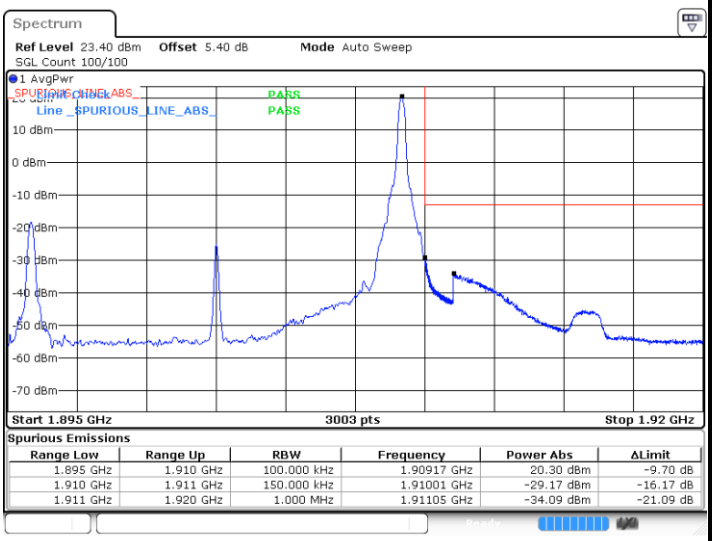
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



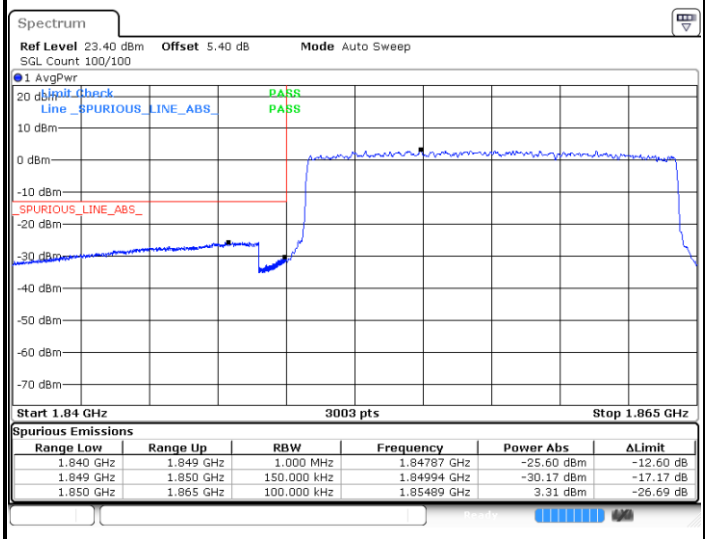
Date: 1.AUG.2020 00:24:26

Highest Band Edge / 1 RB



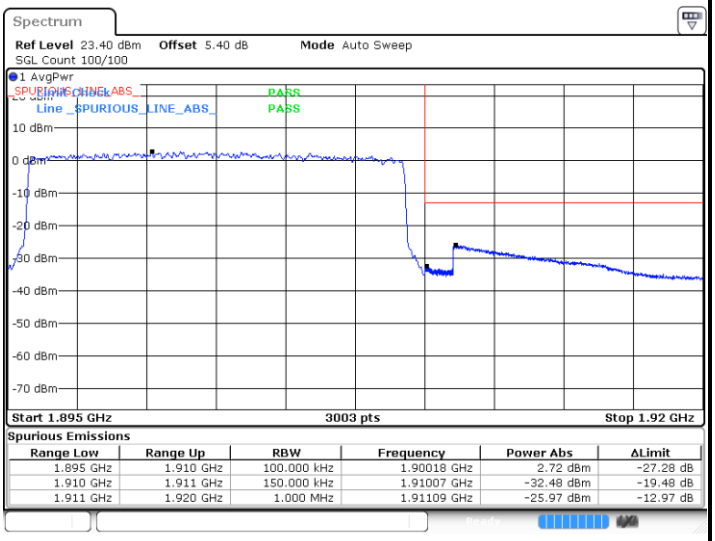
Date: 1.AUG.2020 00:33:57

Lowest Band Edge / Full RB



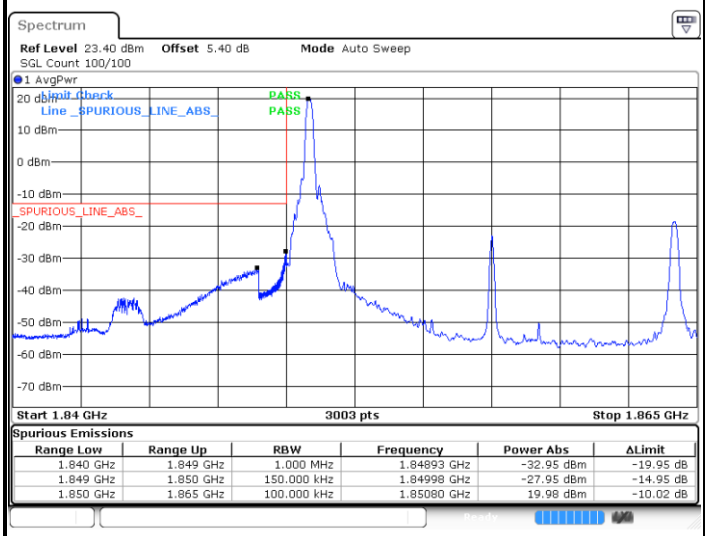
Date: 1.AUG.2020 00:26:44

Highest Band Edge / Full RB

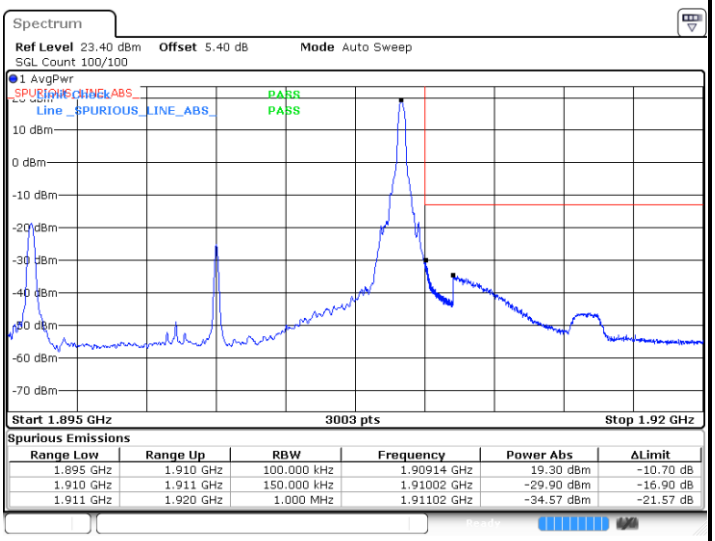


Date: 1.AUG.2020 00:36:15

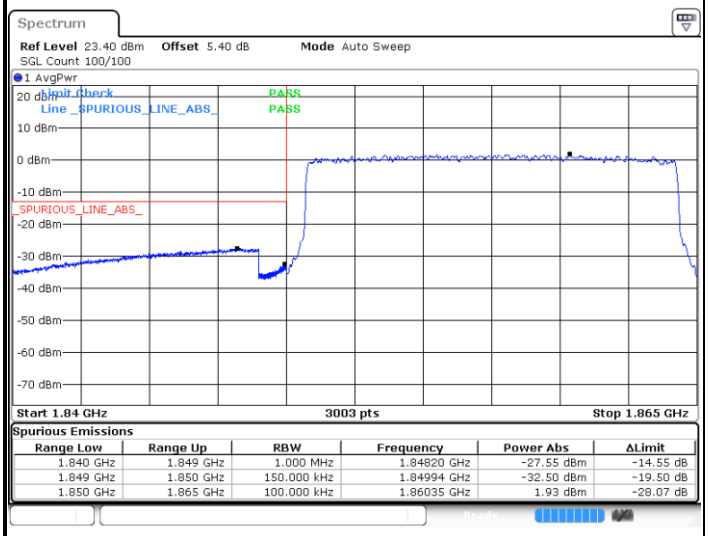
LTE Band 2 / 15MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



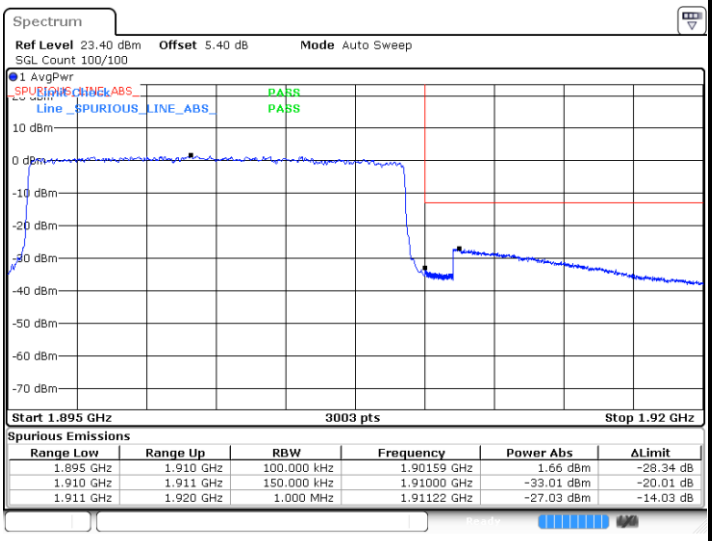
Date: 1.AUG.2020 00:25:35



Date: 1.AUG.2020 00:35:06



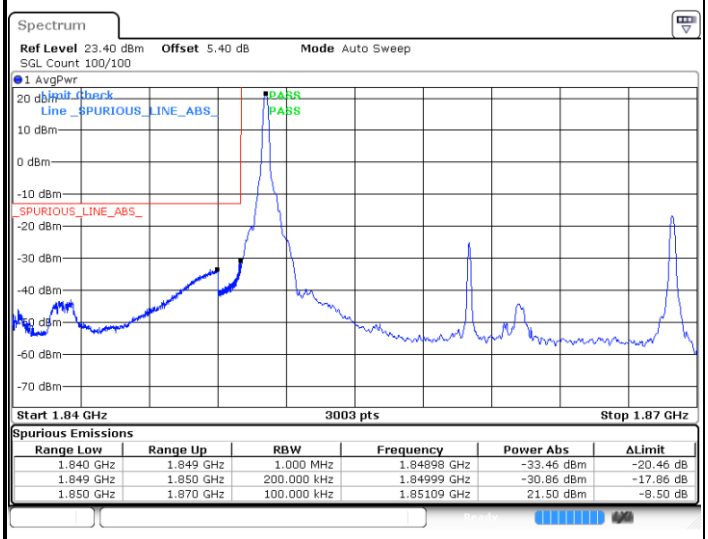
Date: 1.AUG.2020 00:27:52



Date: 1.AUG.2020 00:37:23

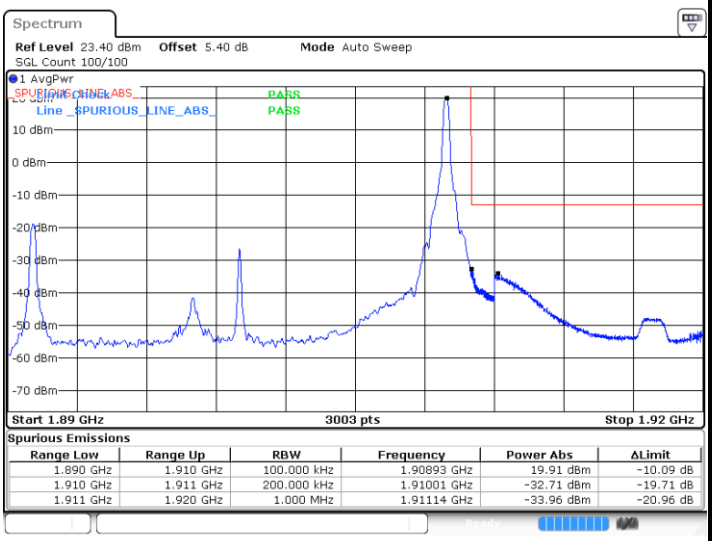
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



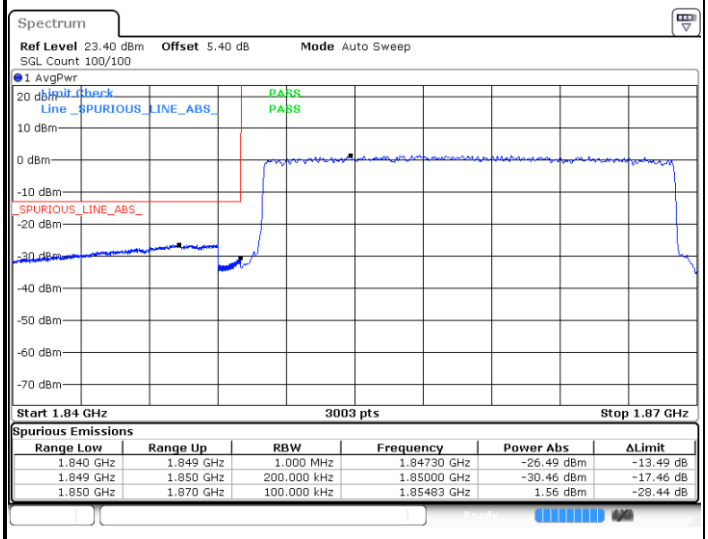
Date: 1.AUG.2020 00:41:00

Highest Band Edge / 1 RB



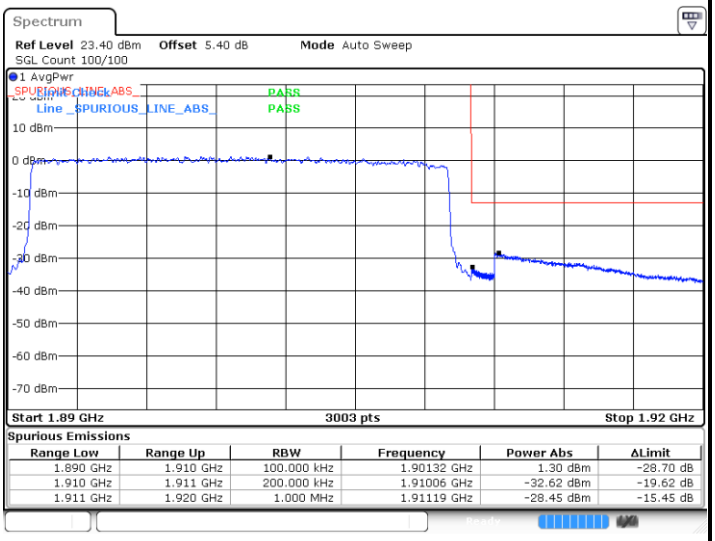
Date: 1.AUG.2020 00:50:31

Lowest Band Edge / Full RB



Date: 1.AUG.2020 00:43:18

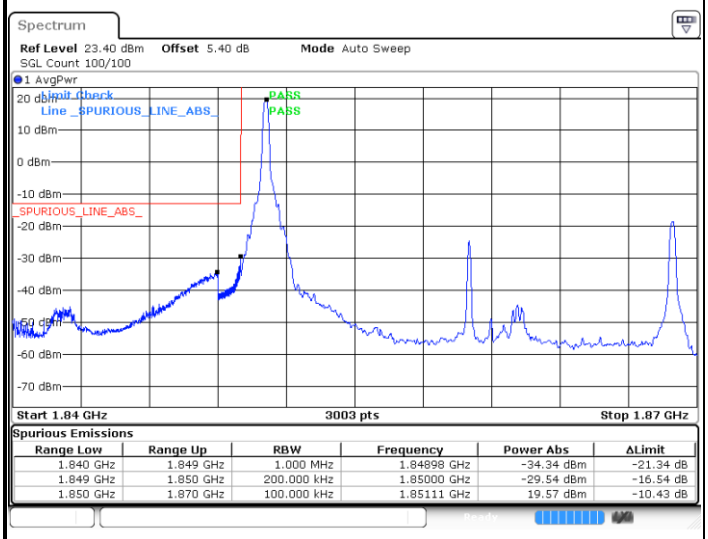
Highest Band Edge / Full RB



Date: 1.AUG.2020 00:52:49

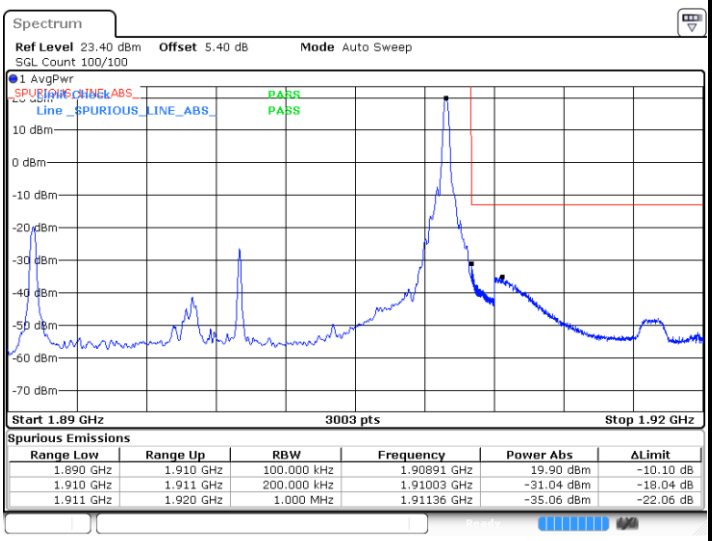
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



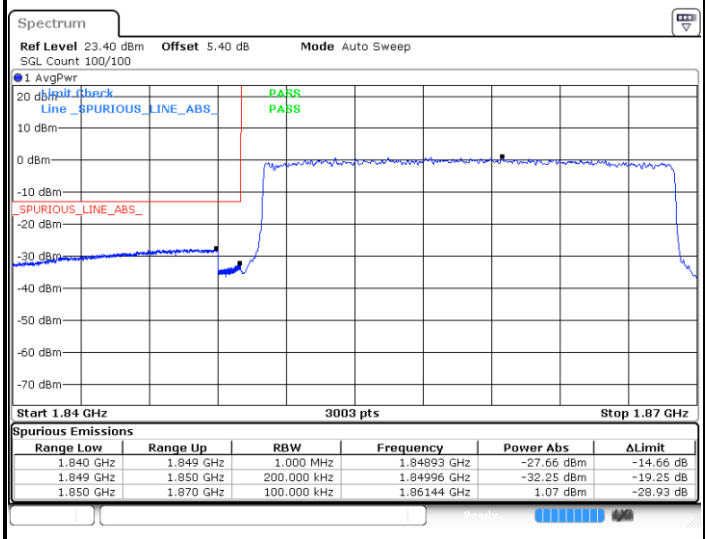
Date: 1.AUG.2020 00:42:09

Highest Band Edge / 1 RB



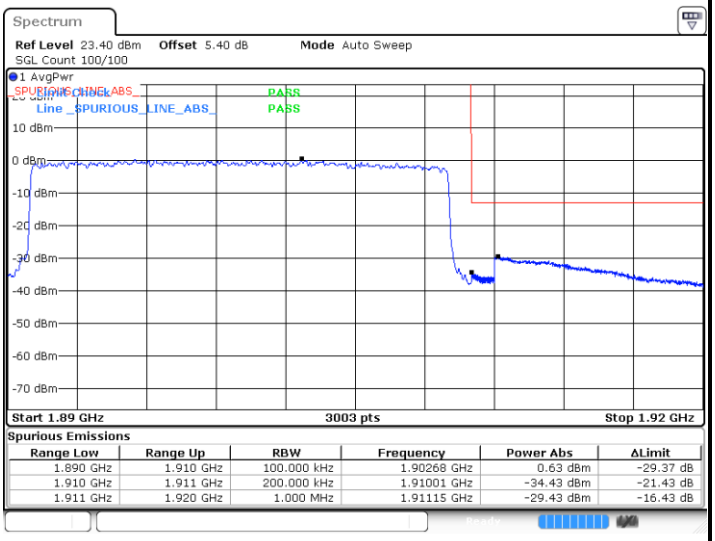
Date: 1.AUG.2020 00:51:40

Lowest Band Edge / Full RB



Date: 1.AUG.2020 00:44:26

Highest Band Edge / Full RB

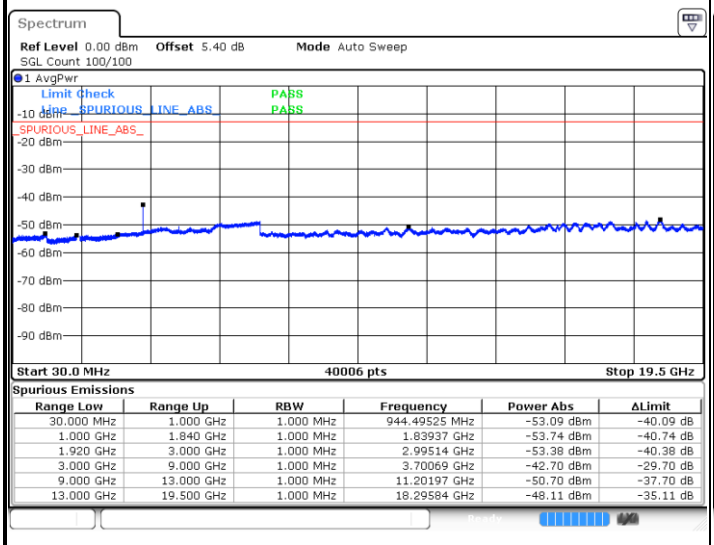


Date: 1.AUG.2020 00:53:58

Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

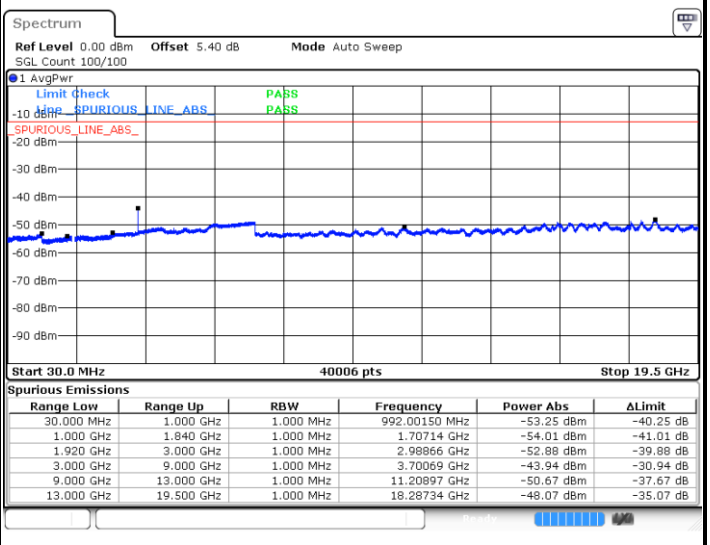


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-53.09 dBm	-40.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-53.74 dBm	-40.74 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99514 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-42.70 dBm	-29.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20197 GHz	-50.70 dBm	-37.70 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29584 GHz	-48.11 dBm	-35.11 dB

Date: 31.JUL.2020 23:22:20

Lowest Channel / 16QAM

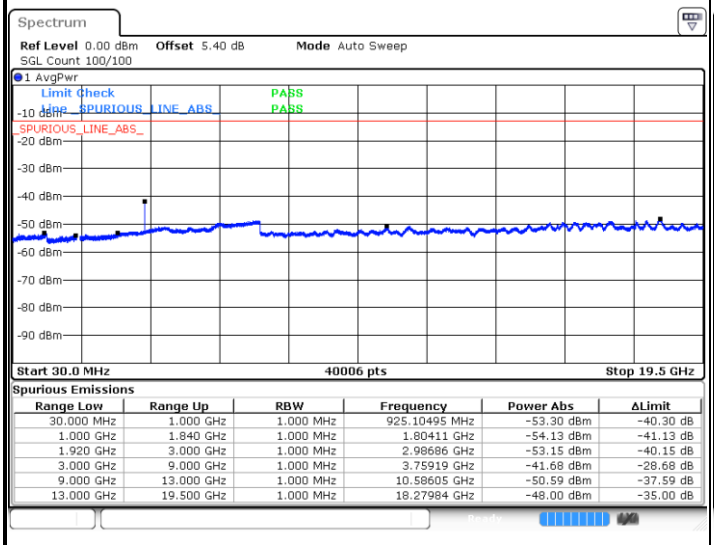


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.00150 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.70714 GHz	-54.01 dBm	-41.01 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98866 GHz	-52.88 dBm	-39.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-43.94 dBm	-30.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20897 GHz	-50.67 dBm	-37.67 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28734 GHz	-48.07 dBm	-35.07 dB

Date: 31.JUL.2020 23:23:14

Middle Channel / QPSK

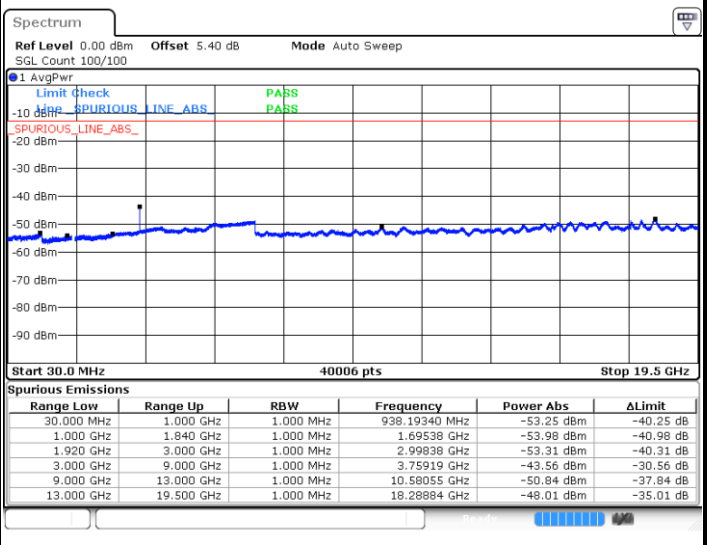


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-53.30 dBm	-40.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80411 GHz	-54.13 dBm	-41.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98686 GHz	-53.15 dBm	-40.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75919 GHz	-41.68 dBm	-28.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58605 GHz	-50.59 dBm	-37.59 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27984 GHz	-48.00 dBm	-35.00 dB

Date: 31.JUL.2020 23:24:48

Middle Channel / 16QAM



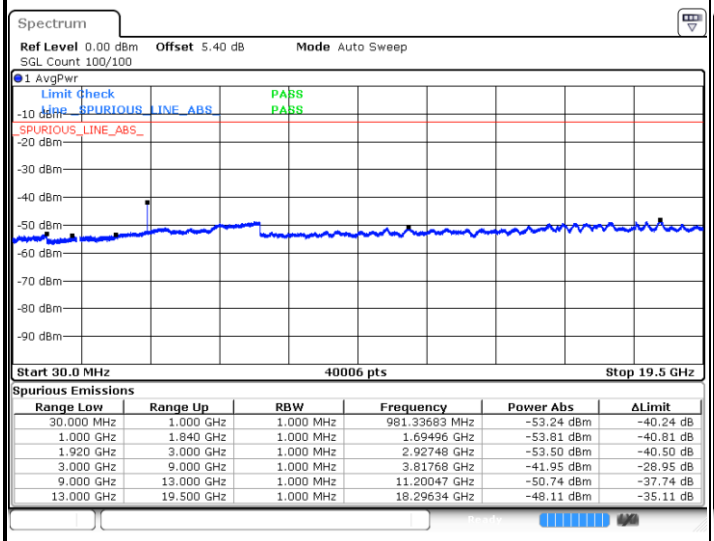
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69538 GHz	-53.98 dBm	-40.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99838 GHz	-53.31 dBm	-40.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75919 GHz	-43.56 dBm	-30.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58055 GHz	-50.84 dBm	-37.84 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28884 GHz	-48.01 dBm	-35.01 dB

Date: 31.JUL.2020 23:25:42

LTE Band 2 / 1.4MHz

Highest Channel / QPSK

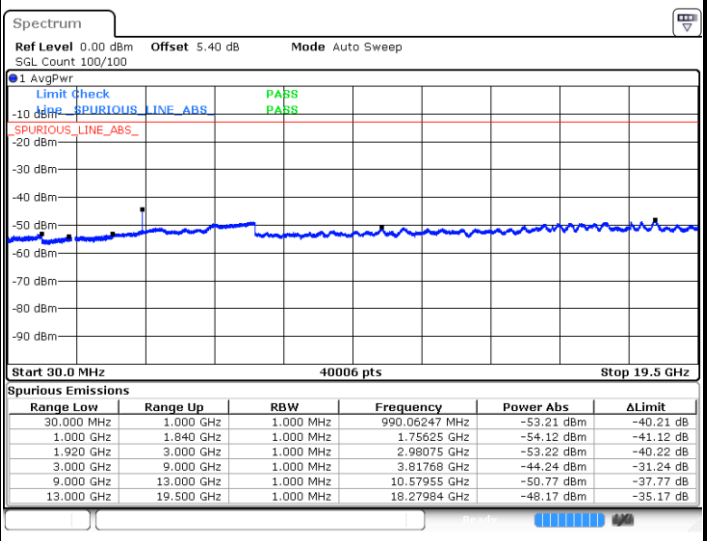


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-53.24 dBm	-40.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69496 GHz	-53.81 dBm	-40.81 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.92748 GHz	-53.50 dBm	-40.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81768 GHz	-41.95 dBm	-28.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20047 GHz	-50.74 dBm	-37.74 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29634 GHz	-48.11 dBm	-35.11 dB

Date: 31.JUL.2020 23:31:51

Highest Channel / 16QAM



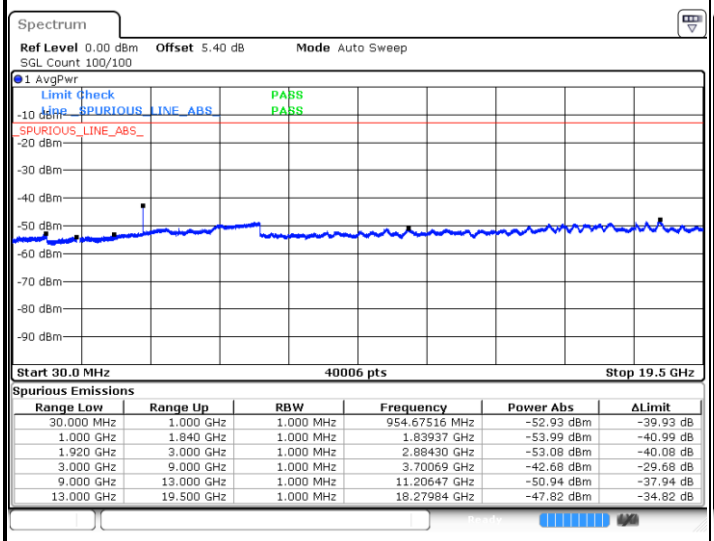
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-53.21 dBm	-40.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75625 GHz	-54.12 dBm	-41.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98075 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81768 GHz	-44.24 dBm	-31.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57955 GHz	-50.77 dBm	-37.77 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27984 GHz	-48.17 dBm	-35.17 dB

Date: 31.JUL.2020 23:32:45

LTE Band 2 / 3MHz

Lowest Channel / QPSK

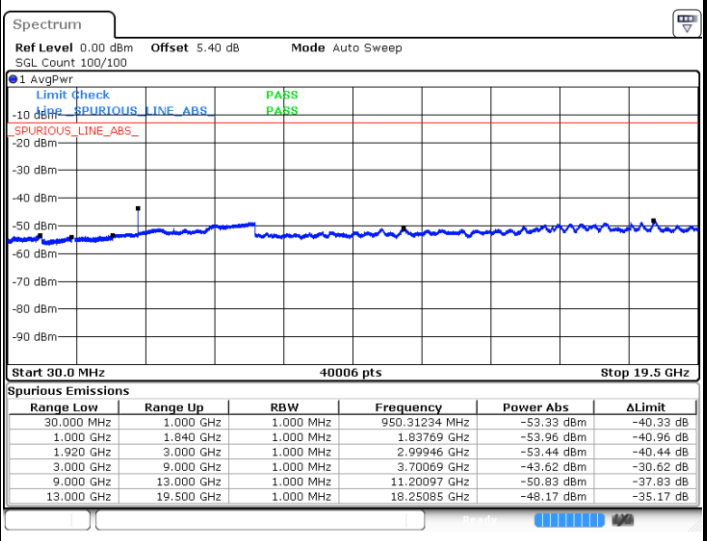


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-52.93 dBm	-39.93 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-53.99 dBm	-40.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.88430 GHz	-53.08 dBm	-40.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-42.68 dBm	-29.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20647 GHz	-50.94 dBm	-37.94 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27984 GHz	-47.82 dBm	-34.82 dB

Date: 31.JUL.2020 23:38:54

Lowest Channel / 16QAM



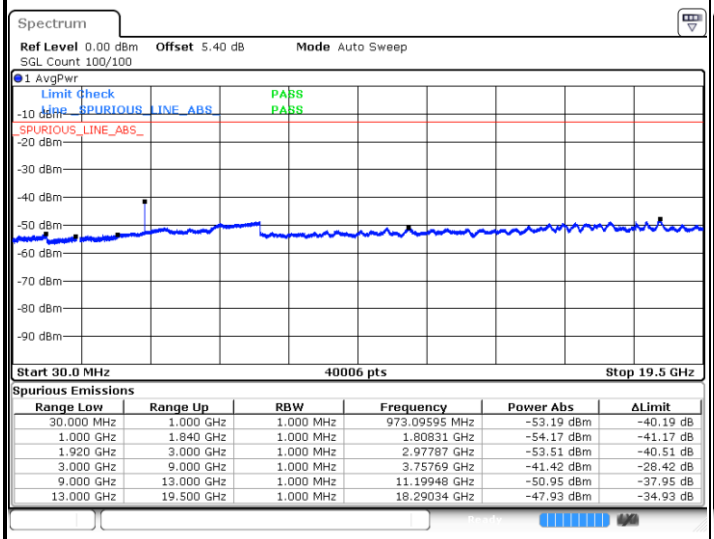
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-53.33 dBm	-40.33 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-53.96 dBm	-40.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99946 GHz	-53.44 dBm	-40.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-43.62 dBm	-30.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20097 GHz	-50.83 dBm	-37.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.25085 GHz	-48.17 dBm	-35.17 dB

Date: 31.JUL.2020 23:39:48

LTE Band 2 / 3MHz

Middle Channel / QPSK

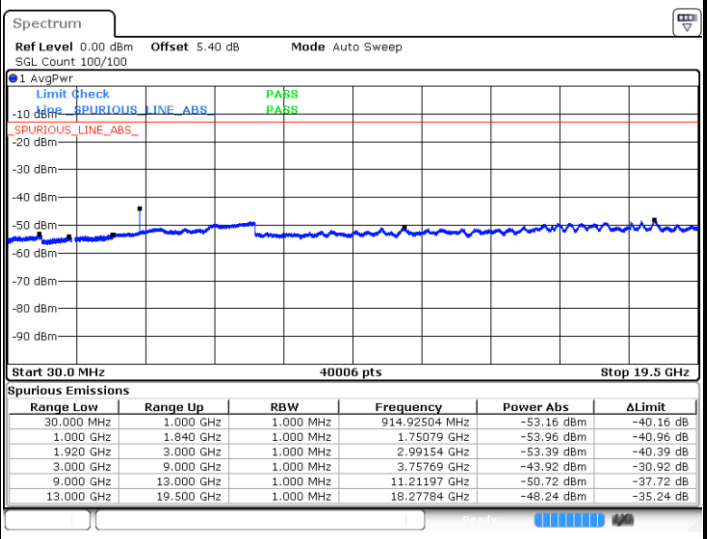


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-53.19 dBm	-40.19 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80831 GHz	-54.17 dBm	-41.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97787 GHz	-53.51 dBm	-40.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75769 GHz	-41.42 dBm	-28.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19948 GHz	-50.95 dBm	-37.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29034 GHz	-47.93 dBm	-34.93 dB

Date: 31.JUL.2020 23:41:22

Middle Channel / 16QAM

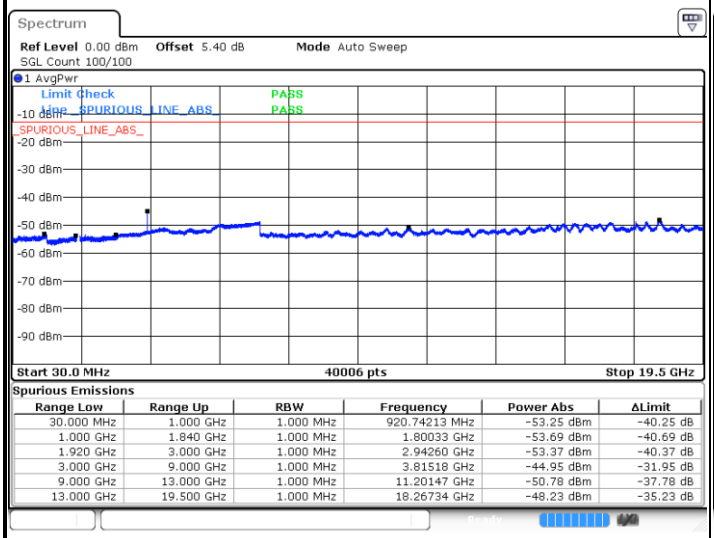


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-53.16 dBm	-40.16 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75079 GHz	-53.96 dBm	-40.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99154 GHz	-53.39 dBm	-40.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75769 GHz	-43.92 dBm	-30.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.21197 GHz	-50.72 dBm	-37.72 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27784 GHz	-48.24 dBm	-35.24 dB

Date: 31.JUL.2020 23:42:16

Highest Channel / QPSK

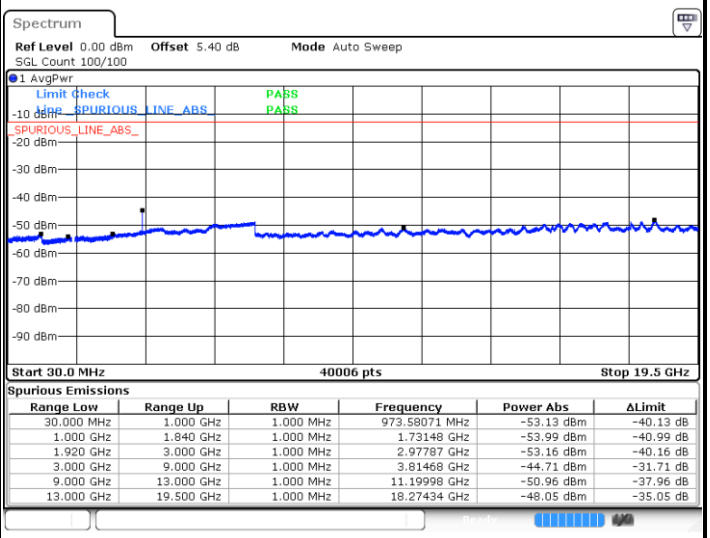


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80033 GHz	-53.69 dBm	-40.69 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94260 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81518 GHz	-44.95 dBm	-31.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20147 GHz	-50.78 dBm	-37.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.26734 GHz	-48.23 dBm	-35.23 dB

Date: 31.JUL.2020 23:48:27

Highest Channel / 16QAM



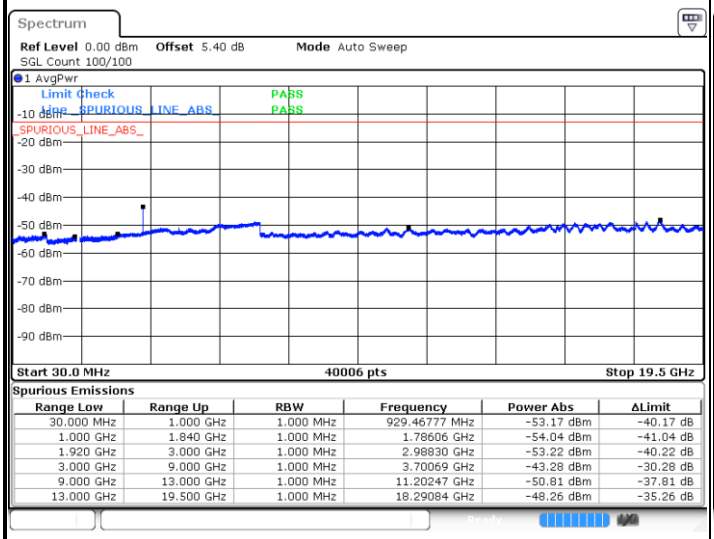
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-53.13 dBm	-40.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73148 GHz	-53.99 dBm	-40.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97787 GHz	-53.16 dBm	-40.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81468 GHz	-44.71 dBm	-31.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19998 GHz	-50.96 dBm	-37.96 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27434 GHz	-48.05 dBm	-35.05 dB

Date: 31.JUL.2020 23:49:21

LTE Band 2 / 5MHz

Lowest Channel / QPSK

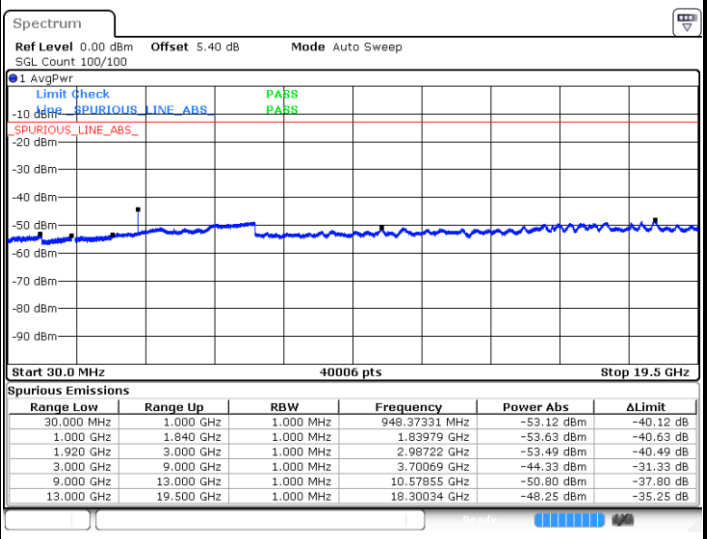


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.46777 MHz	-53.17 dBm	-40.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78606 GHz	-54.04 dBm	-41.04 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98830 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-43.28 dBm	-30.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20247 GHz	-50.81 dBm	-37.81 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29084 GHz	-48.26 dBm	-35.26 dB

Date: 31.JUL.2020 23:55:40

Lowest Channel / 16QAM

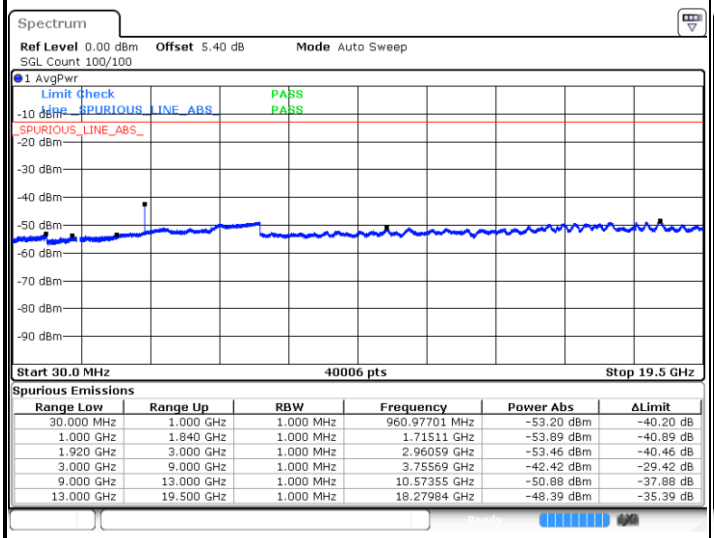


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.37331 MHz	-53.12 dBm	-40.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-53.63 dBm	-40.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98722 GHz	-53.49 dBm	-40.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-44.33 dBm	-31.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57855 GHz	-50.80 dBm	-37.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.30034 GHz	-48.25 dBm	-35.25 dB

Date: 31.JUL.2020 23:56:34

Middle Channel / QPSK

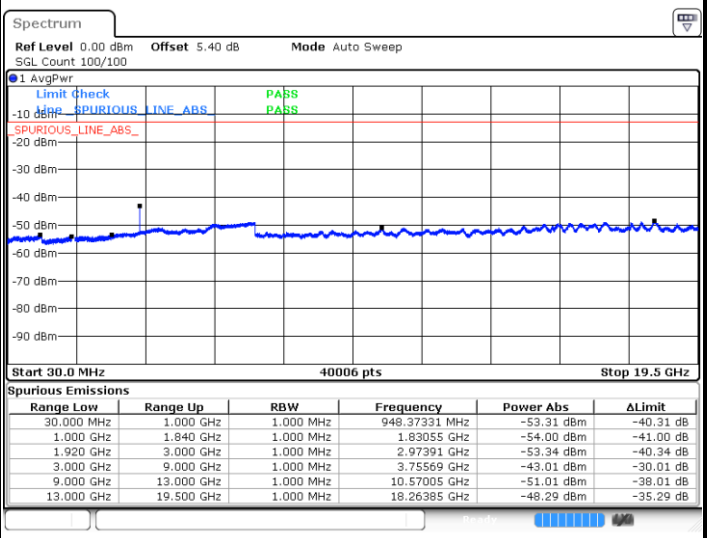


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-53.20 dBm	-40.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71511 GHz	-53.89 dBm	-40.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96059 GHz	-53.46 dBm	-40.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75569 GHz	-42.42 dBm	-29.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57355 GHz	-50.88 dBm	-37.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27984 GHz	-48.39 dBm	-35.39 dB

Date: 31.JUL.2020 23:58:07

Middle Channel / 16QAM



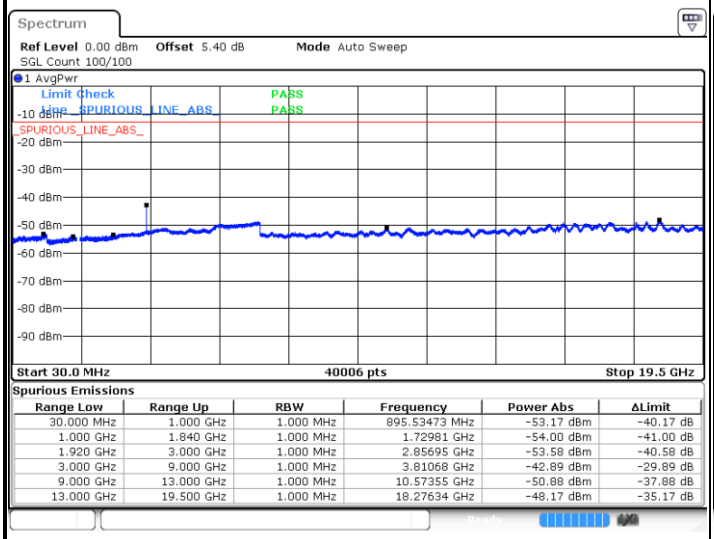
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.37331 MHz	-53.31 dBm	-40.31 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83055 GHz	-54.00 dBm	-41.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97391 GHz	-53.34 dBm	-40.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75569 GHz	-43.01 dBm	-30.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57005 GHz	-51.01 dBm	-38.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.26385 GHz	-48.29 dBm	-35.29 dB

Date: 31.JUL.2020 23:59:01

LTE Band 2 / 5MHz

Highest Channel / QPSK

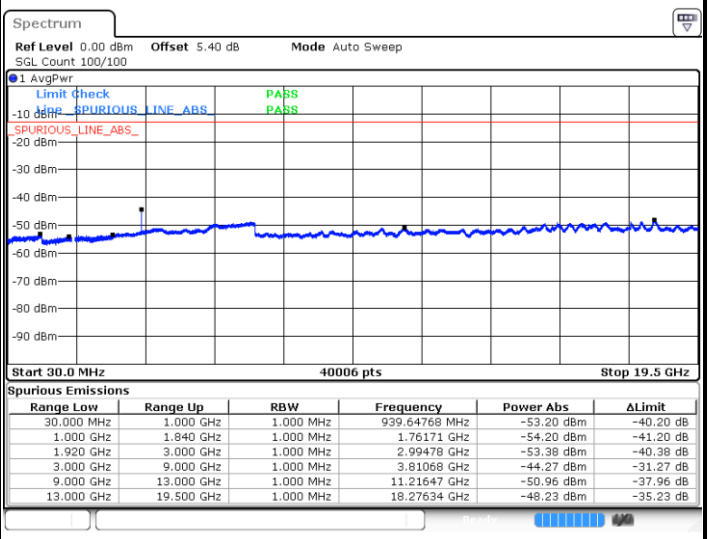


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	895.53473 MHz	-53.17 dBm	-40.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.72981 GHz	-54.00 dBm	-41.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85695 GHz	-53.58 dBm	-40.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-42.89 dBm	-29.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57355 GHz	-50.88 dBm	-37.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27634 GHz	-48.17 dBm	-35.17 dB

Date: 1.AUG.2020 00:05:10

Highest Channel / 16QAM



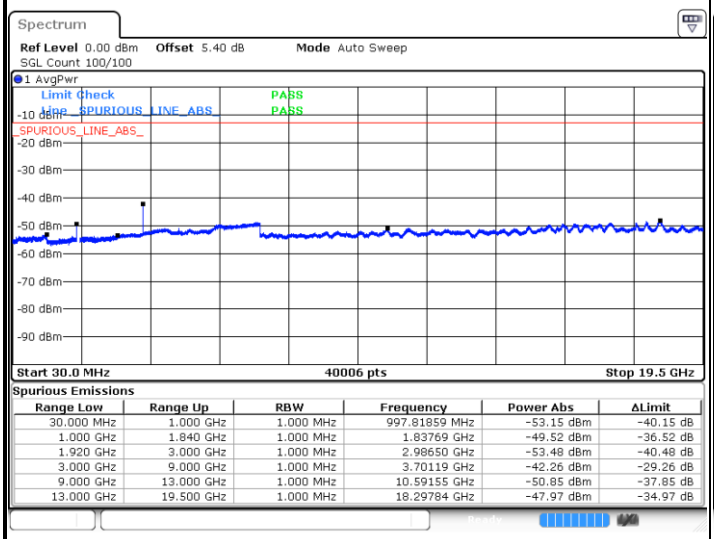
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.64768 MHz	-53.20 dBm	-40.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76171 GHz	-54.20 dBm	-41.20 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99478 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-44.27 dBm	-31.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.21647 GHz	-50.96 dBm	-37.96 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27634 GHz	-48.23 dBm	-35.23 dB

Date: 1.AUG.2020 00:06:04

LTE Band 2 / 10MHz

Lowest Channel / QPSK

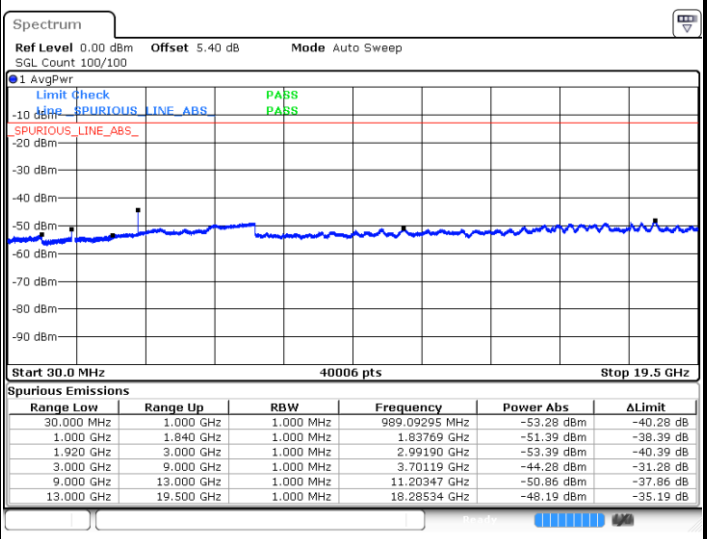


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-53.15 dBm	-40.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-49.52 dBm	-36.52 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98650 GHz	-53.48 dBm	-40.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-42.26 dBm	-29.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59155 GHz	-50.85 dBm	-37.85 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29784 GHz	-47.97 dBm	-34.97 dB

Date: 1.AUG.2020 00:12:13

Lowest Channel / 16QAM



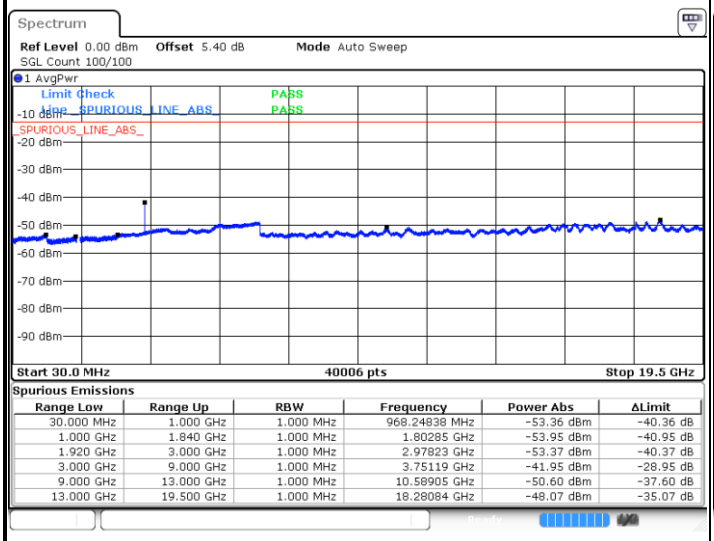
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-53.28 dBm	-40.28 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-51.39 dBm	-38.39 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99190 GHz	-53.39 dBm	-40.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-44.28 dBm	-31.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20347 GHz	-50.86 dBm	-37.86 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28534 GHz	-48.19 dBm	-35.19 dB

Date: 1.AUG.2020 00:13:07

LTE Band 2 / 10MHz

Middle Channel / QPSK

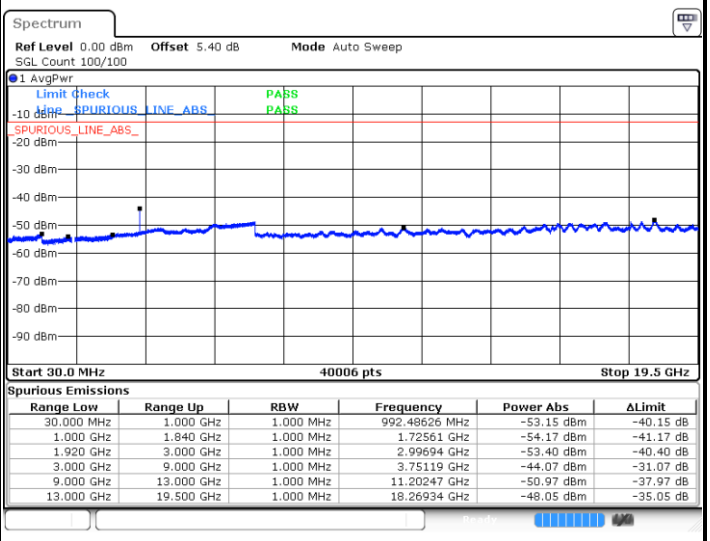


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.24838 MHz	-53.36 dBm	-40.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80285 GHz	-53.95 dBm	-40.95 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97823 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-41.95 dBm	-28.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58905 GHz	-50.60 dBm	-37.60 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28084 GHz	-48.07 dBm	-35.07 dB

Date: 1.AUG.2020 00:14:41

Middle Channel / 16QAM

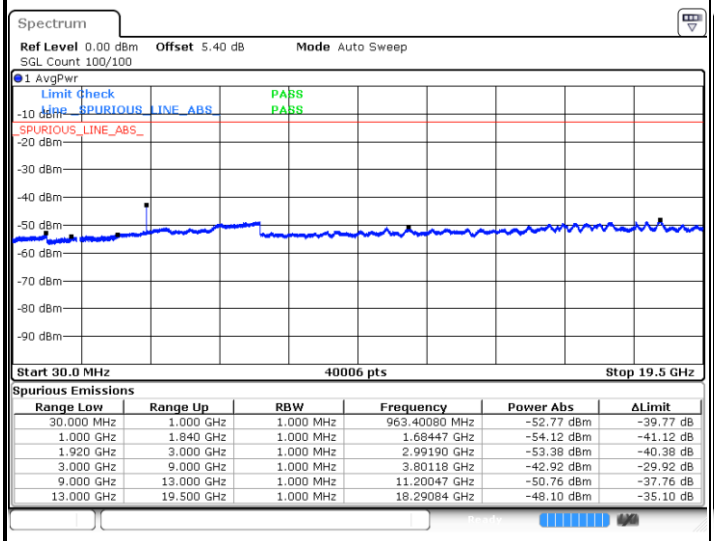


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-53.15 dBm	-40.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.72561 GHz	-54.17 dBm	-41.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99694 GHz	-53.40 dBm	-40.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-44.07 dBm	-31.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20247 GHz	-50.97 dBm	-37.97 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.26934 GHz	-48.05 dBm	-35.05 dB

Date: 1.AUG.2020 00:15:35

Highest Channel / QPSK

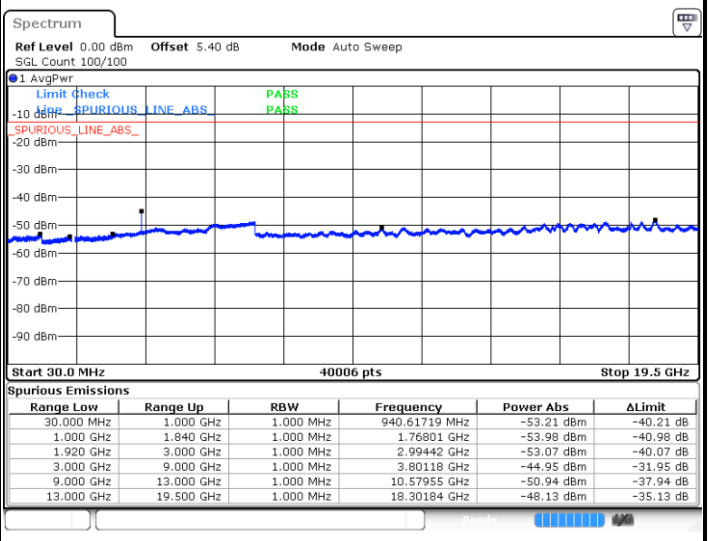


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-52.77 dBm	-39.77 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68447 GHz	-54.12 dBm	-41.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99190 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-42.92 dBm	-29.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20047 GHz	-50.76 dBm	-37.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29084 GHz	-48.10 dBm	-35.10 dB

Date: 1.AUG.2020 00:21:44

Highest Channel / 16QAM



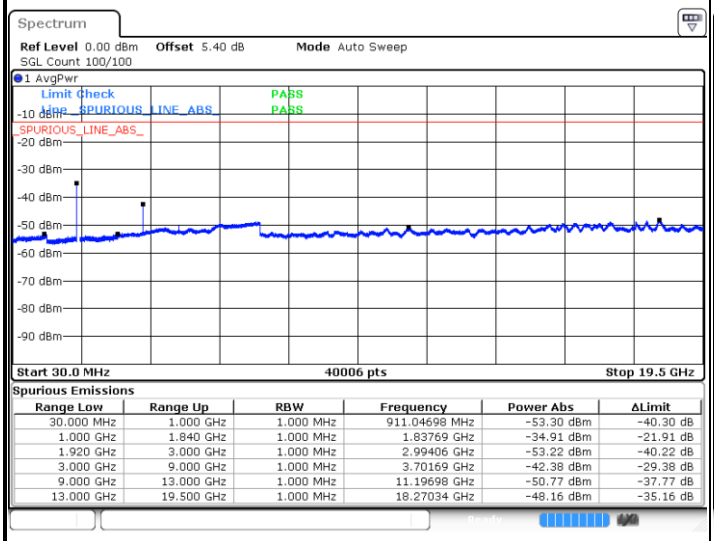
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.61719 MHz	-53.21 dBm	-40.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76801 GHz	-53.98 dBm	-40.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99442 GHz	-53.07 dBm	-40.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-44.95 dBm	-31.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57955 GHz	-50.94 dBm	-37.94 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.30184 GHz	-48.13 dBm	-35.13 dB

Date: 1.AUG.2020 00:22:38

LTE Band 2 / 15MHz

Lowest Channel / QPSK

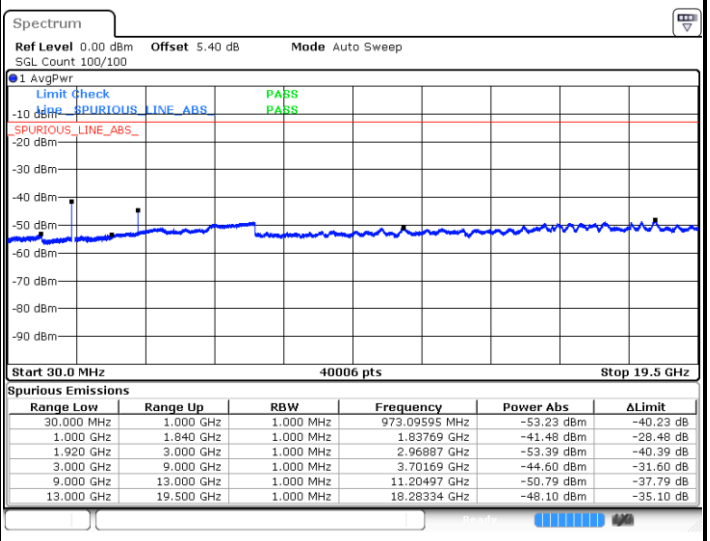


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.04698 MHz	-53.30 dBm	-40.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-34.91 dBm	-21.91 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99406 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-42.38 dBm	-29.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19698 GHz	-50.77 dBm	-37.77 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27034 GHz	-48.16 dBm	-35.16 dB

Date: 1.AUG.2020 00:28:47

Lowest Channel / 16QAM

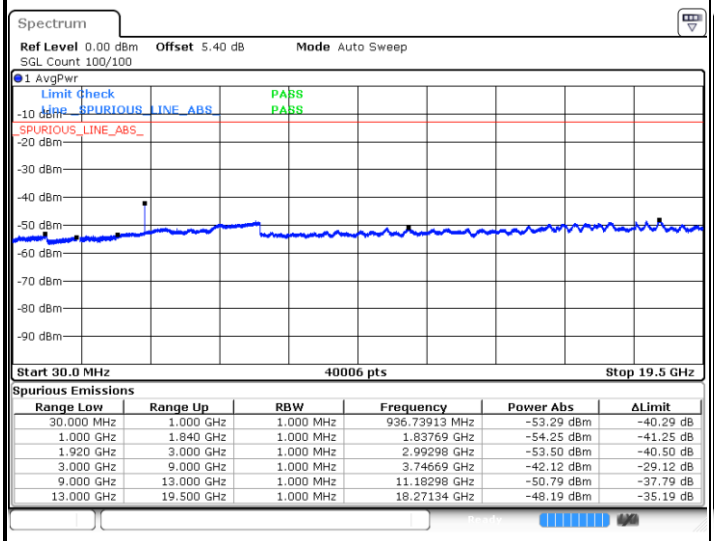


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-53.23 dBm	-40.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-41.48 dBm	-28.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96887 GHz	-53.39 dBm	-40.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-44.60 dBm	-31.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20497 GHz	-50.79 dBm	-37.79 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28334 GHz	-48.10 dBm	-35.10 dB

Date: 1.AUG.2020 00:29:41

Middle Channel / QPSK

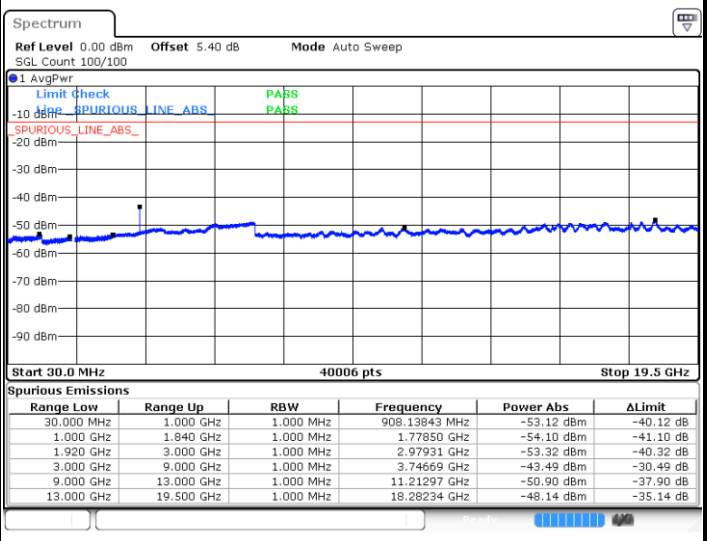


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-53.29 dBm	-40.29 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-54.25 dBm	-41.25 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99298 GHz	-53.50 dBm	-40.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-42.12 dBm	-29.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.18298 GHz	-50.79 dBm	-37.79 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27134 GHz	-48.19 dBm	-35.19 dB

Date: 1.AUG.2020 00:31:15

Middle Channel / 16QAM



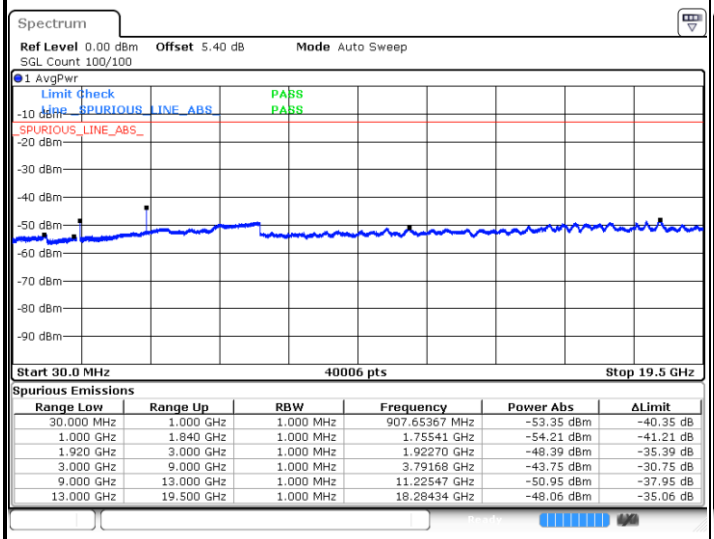
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.13843 MHz	-53.12 dBm	-40.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77850 GHz	-54.10 dBm	-41.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97931 GHz	-53.32 dBm	-40.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-43.49 dBm	-30.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.21297 GHz	-50.90 dBm	-37.90 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28234 GHz	-48.14 dBm	-35.14 dB

Date: 1.AUG.2020 00:32:09

LTE Band 2 / 15MHz

Highest Channel / QPSK

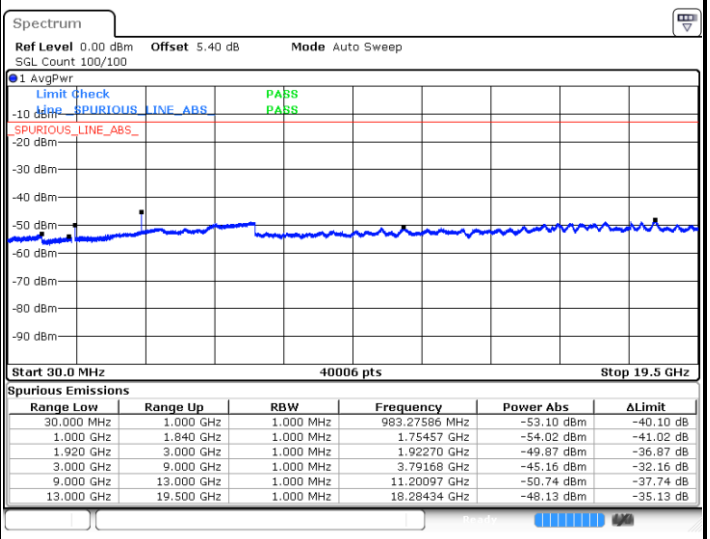


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.65367 MHz	-53.35 dBm	-40.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75541 GHz	-54.21 dBm	-41.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-48.39 dBm	-35.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-43.75 dBm	-30.75 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.22547 GHz	-50.95 dBm	-37.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28434 GHz	-48.06 dBm	-35.06 dB

Date: 1.AUG.2020 00:38:18

Highest Channel / 16QAM



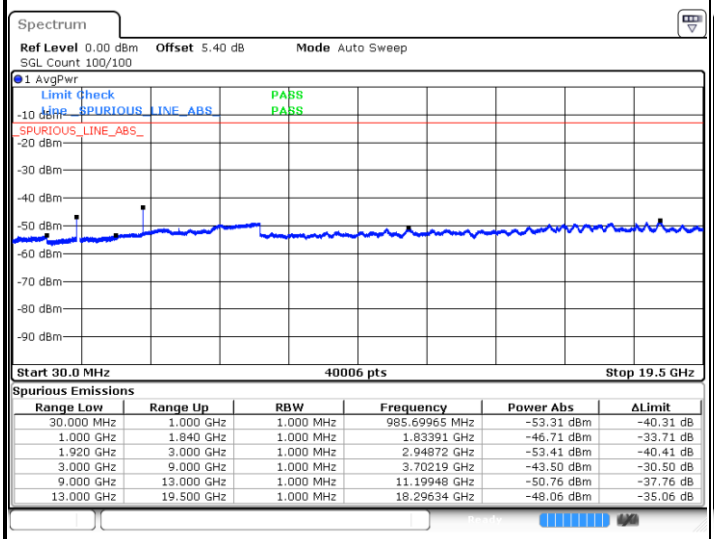
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.27586 MHz	-53.10 dBm	-40.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75457 GHz	-54.02 dBm	-41.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-49.87 dBm	-36.87 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-45.16 dBm	-32.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20097 GHz	-50.74 dBm	-37.74 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28434 GHz	-48.13 dBm	-35.13 dB

Date: 1.AUG.2020 00:39:12

LTE Band 2 / 20MHz

Lowest Channel / QPSK

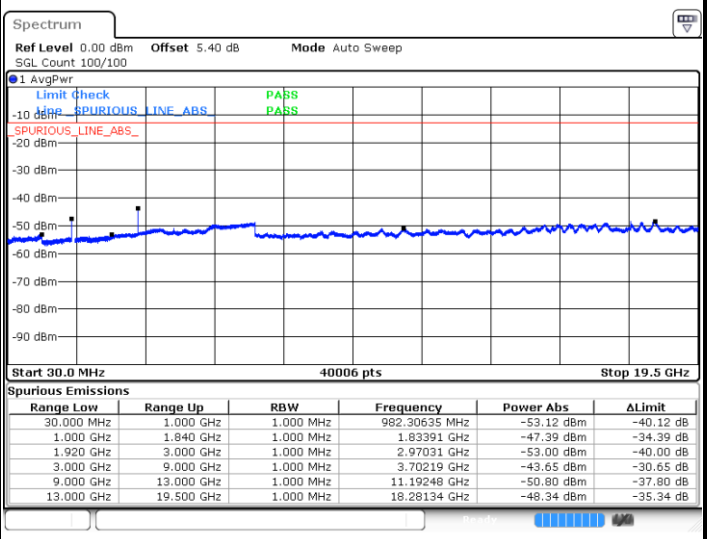


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.69965 MHz	-53.31 dBm	-40.31 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83391 GHz	-46.71 dBm	-33.71 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94872 GHz	-53.41 dBm	-40.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-43.50 dBm	-30.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19948 GHz	-50.76 dBm	-37.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29634 GHz	-48.06 dBm	-35.06 dB

Date: 1.AUG.2020 00:45:21

Lowest Channel / 16QAM



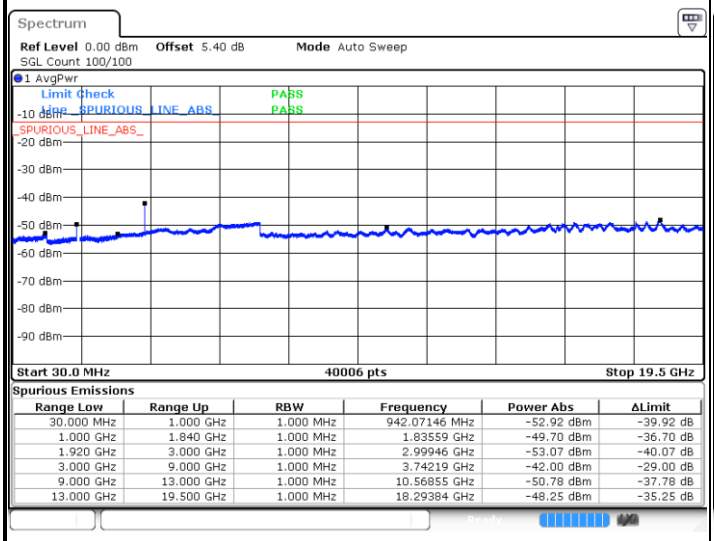
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-53.12 dBm	-40.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83391 GHz	-47.39 dBm	-34.39 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97031 GHz	-53.00 dBm	-40.00 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-43.65 dBm	-30.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19248 GHz	-50.80 dBm	-37.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28134 GHz	-48.34 dBm	-35.34 dB

Date: 1.AUG.2020 00:46:15

LTE Band 2 / 20MHz

Middle Channel / QPSK

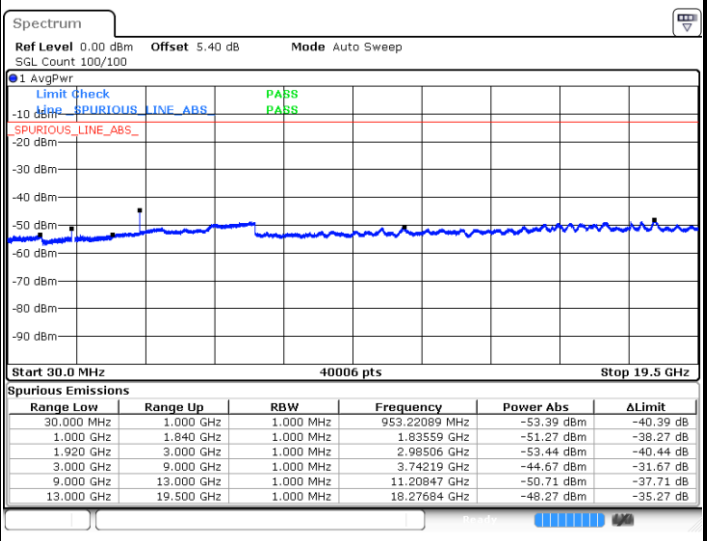


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-52.92 dBm	-39.92 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-49.70 dBm	-36.70 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99946 GHz	-53.07 dBm	-40.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-42.00 dBm	-29.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56855 GHz	-50.78 dBm	-37.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29384 GHz	-48.25 dBm	-35.25 dB

Date: 1.AUG.2020 00:47:49

Middle Channel / 16QAM

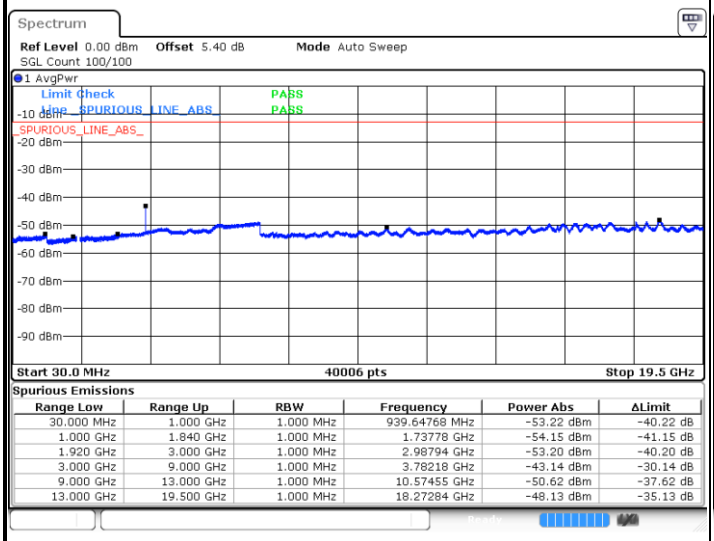


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.22089 MHz	-53.39 dBm	-40.39 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-51.27 dBm	-38.27 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98506 GHz	-53.44 dBm	-40.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-44.67 dBm	-31.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20847 GHz	-50.71 dBm	-37.71 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27684 GHz	-48.27 dBm	-35.27 dB

Date: 1.AUG.2020 00:48:43

Highest Channel / QPSK

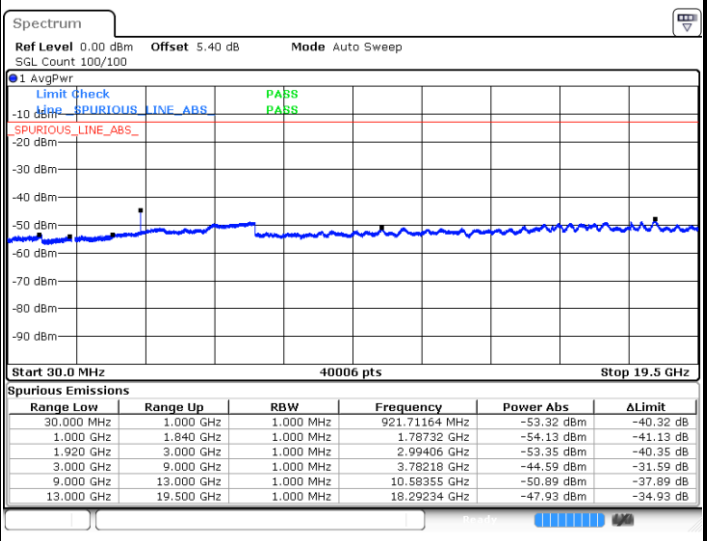


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.64768 MHz	-53.22 dBm	-40.22 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73778 GHz	-54.15 dBm	-41.15 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98794 GHz	-53.20 dBm	-40.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-43.14 dBm	-30.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57455 GHz	-50.62 dBm	-37.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27284 GHz	-48.13 dBm	-35.13 dB

Date: 1.AUG.2020 00:54:52

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-53.32 dBm	-40.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78732 GHz	-54.13 dBm	-41.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99406 GHz	-53.35 dBm	-40.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-44.59 dBm	-31.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58355 GHz	-50.89 dBm	-37.89 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.29234 GHz	-47.93 dBm	-34.93 dB

Date: 1.AUG.2020 00:55:46

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	0.0020	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

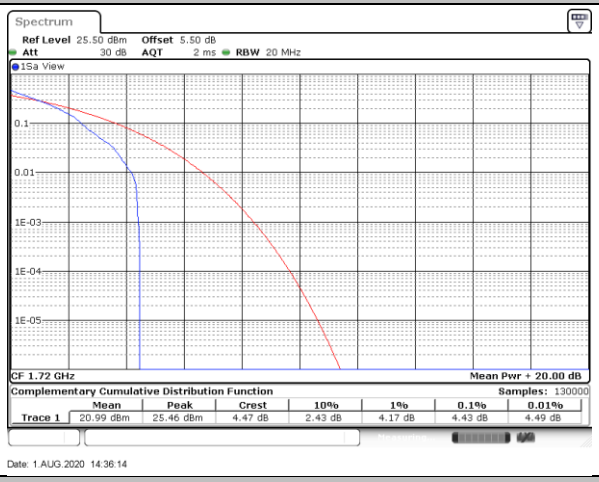
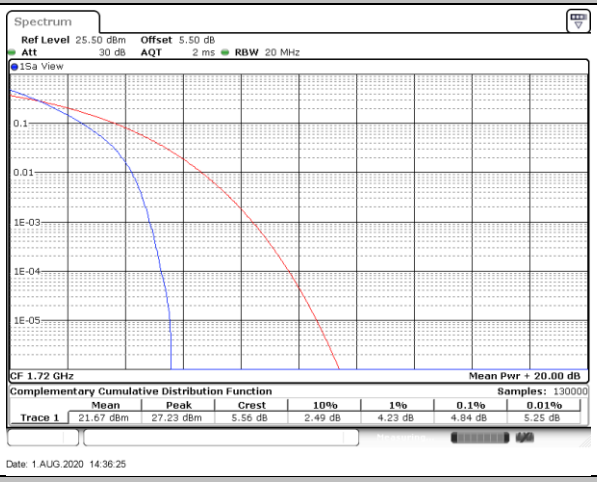
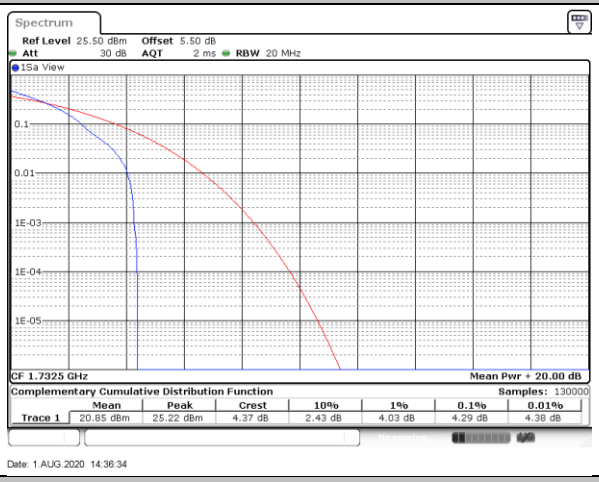
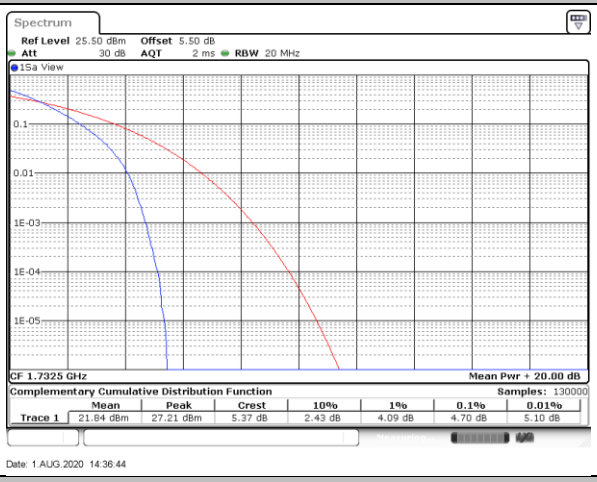
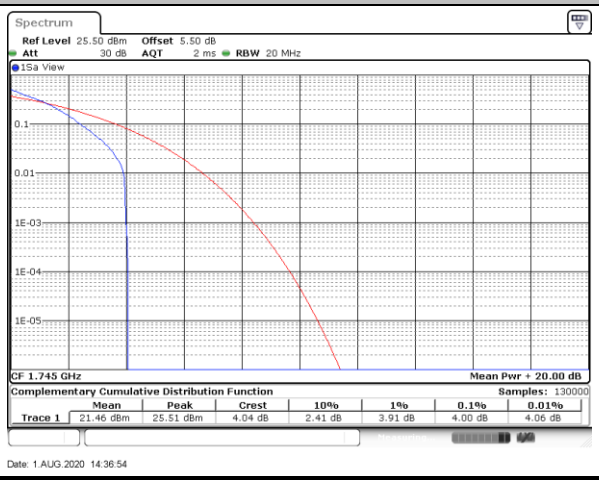
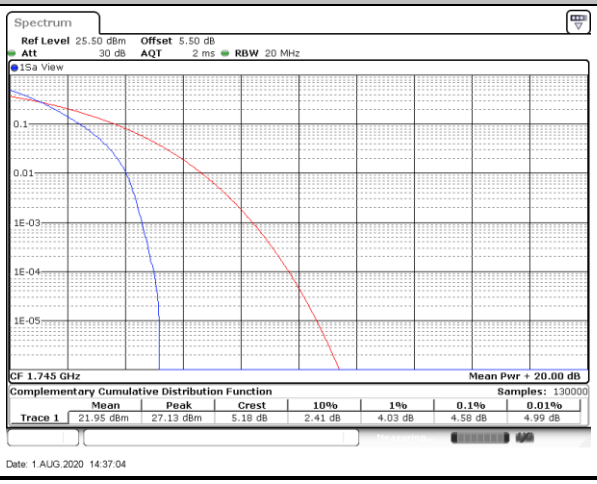
Note:

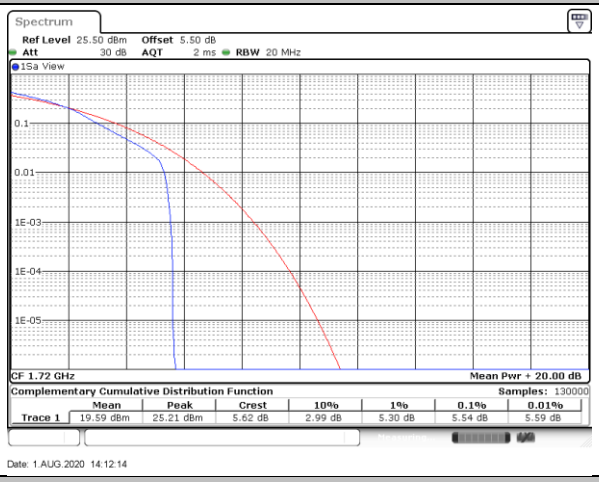
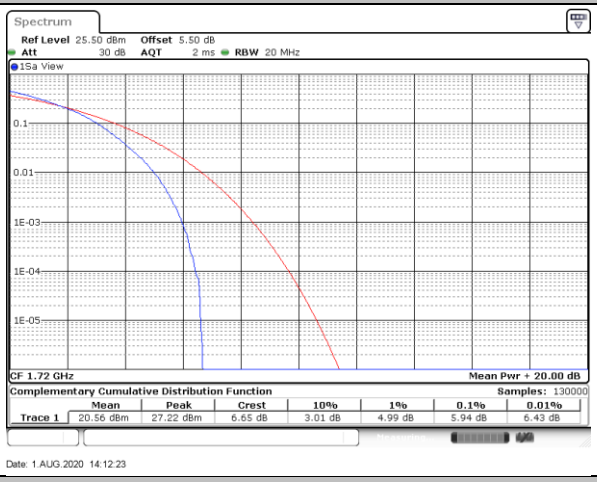
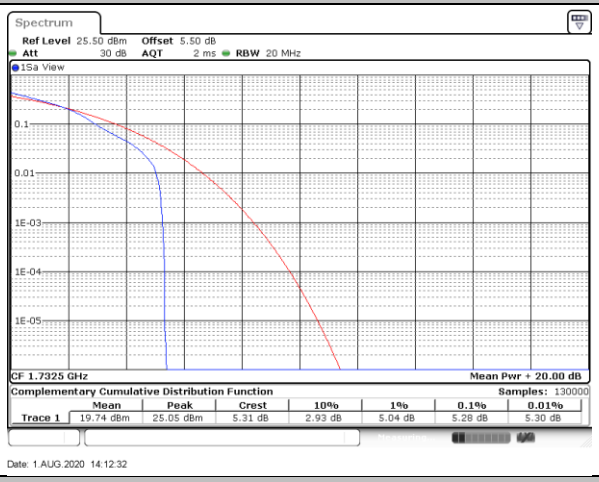
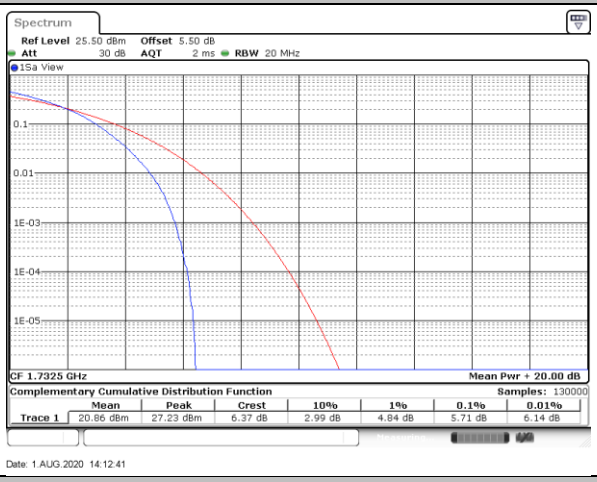
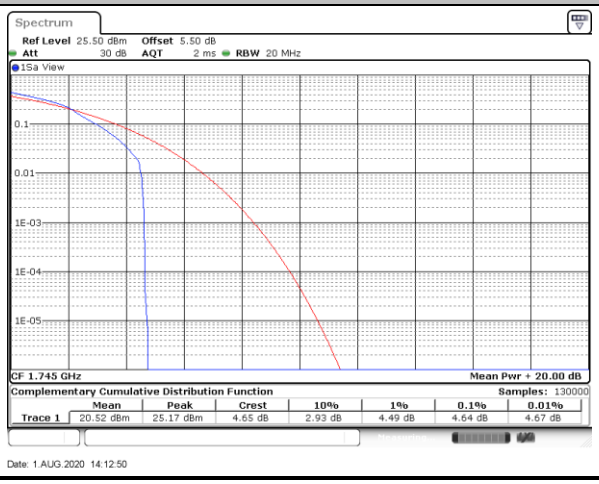
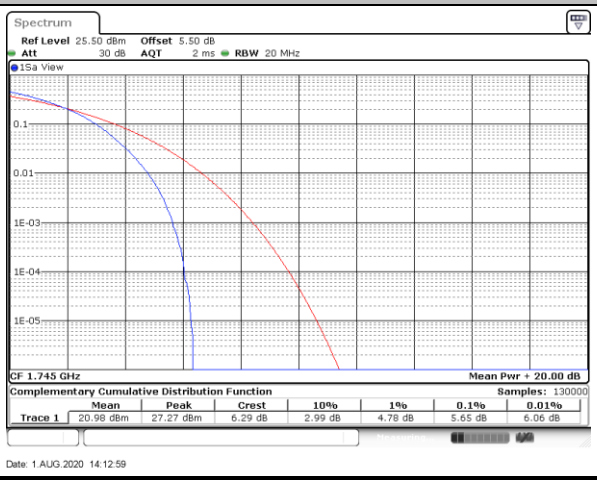
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

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	4.43	4.84	5.54	5.94	PASS
Middle CH	4.29	4.70	5.28	5.71	
Highest CH	4.00	4.58	4.64	5.65	

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**
	

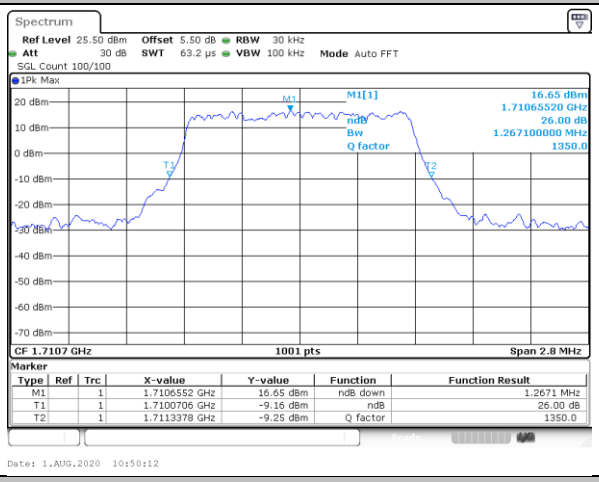
LTE Band 4 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

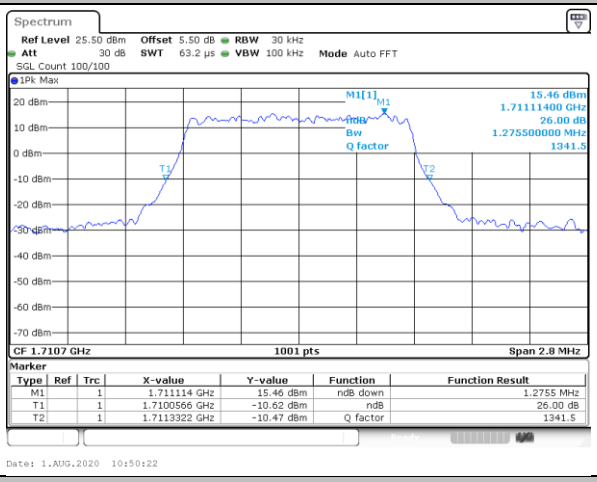
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.27	1.28	3.02	3.03	5.04	4.81	9.65	9.81	14.27	14.33	20.18	20.18
Middle CH	1.26	1.27	2.99	3.02	4.93	4.90	9.91	9.79	14.21	14.45	20.18	20.02
Highest CH	1.26	1.27	3.00	2.99	4.94	4.99	9.67	9.85	14.21	14.51	20.06	20.10

LTE Band 4

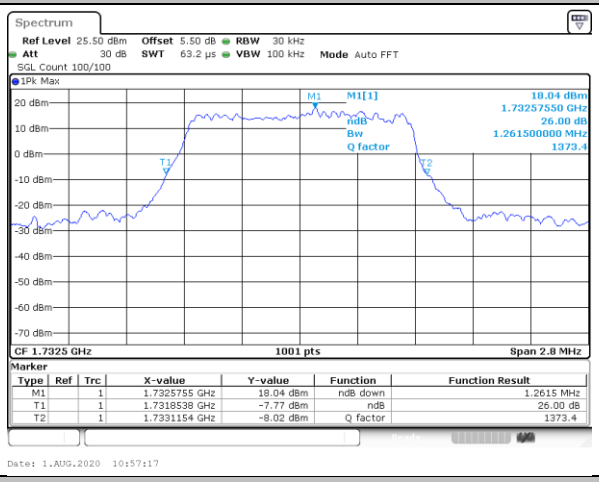
Lowest Channel / 1.4MHz / QPSK



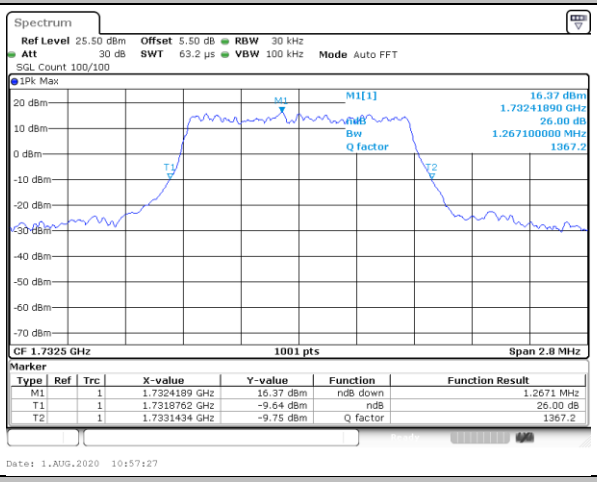
Lowest Channel / 1.4MHz / 16QAM



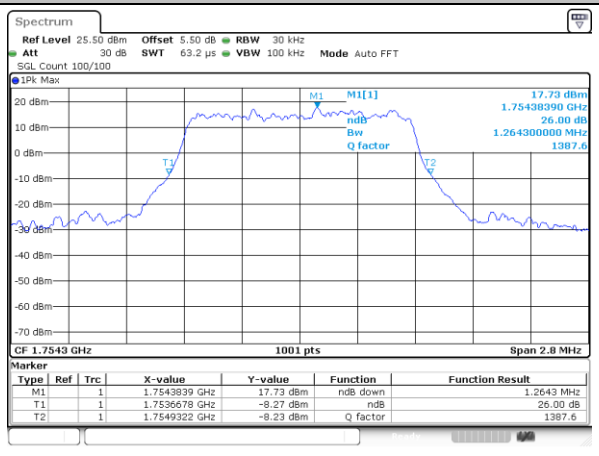
Middle Channel / 1.4MHz / QPSK



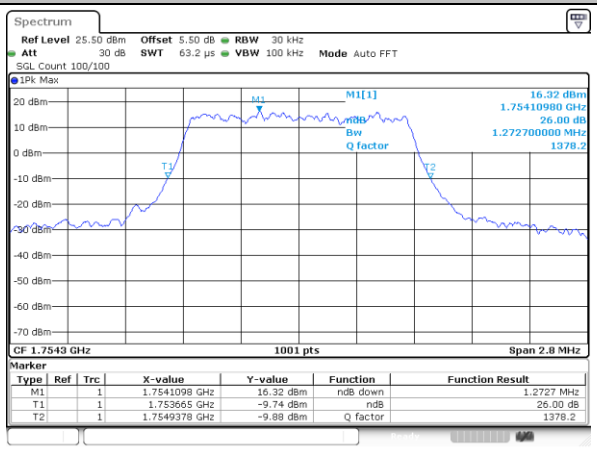
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

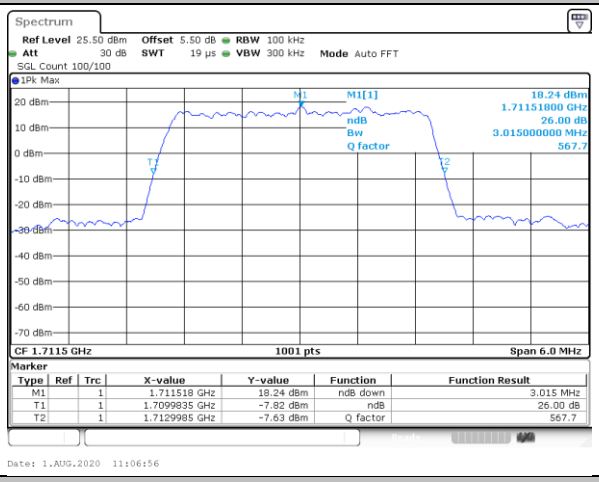


Highest Channel / 1.4MHz / 16QAM

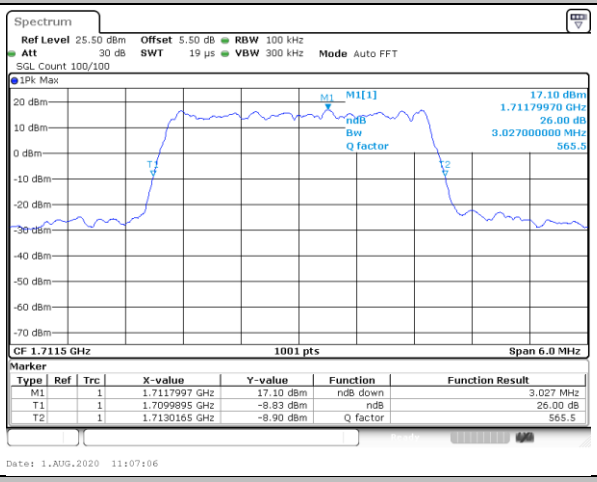


LTE Band 4

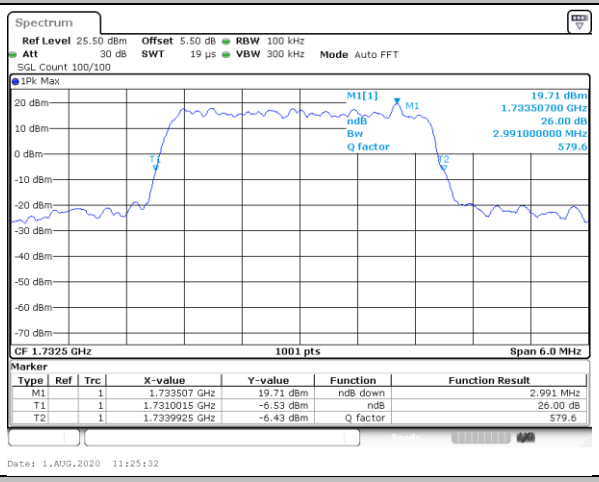
Lowest Channel / 3MHz / QPSK



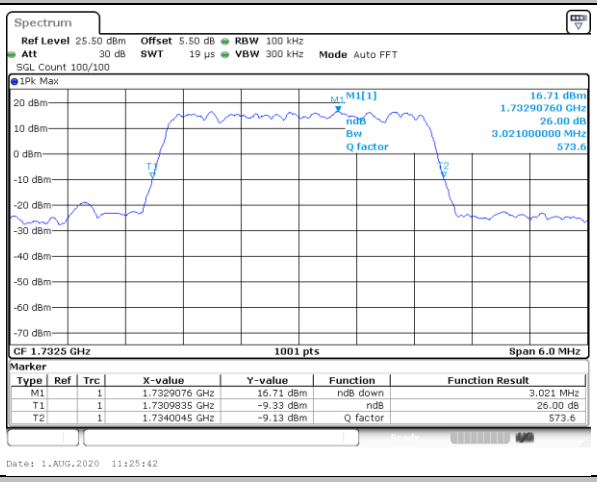
Lowest Channel / 3MHz / 16QAM



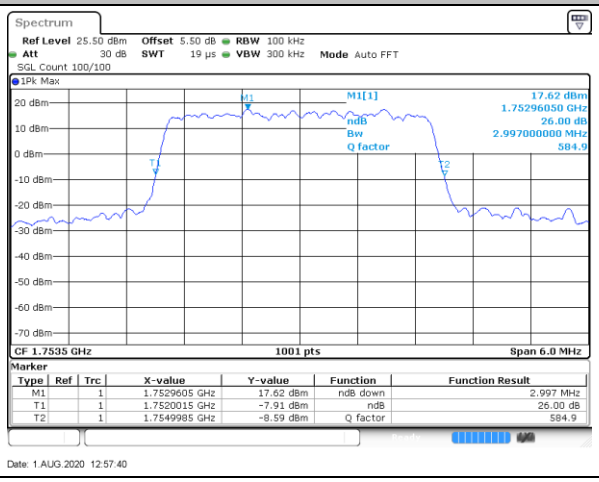
Middle Channel / 3MHz / QPSK



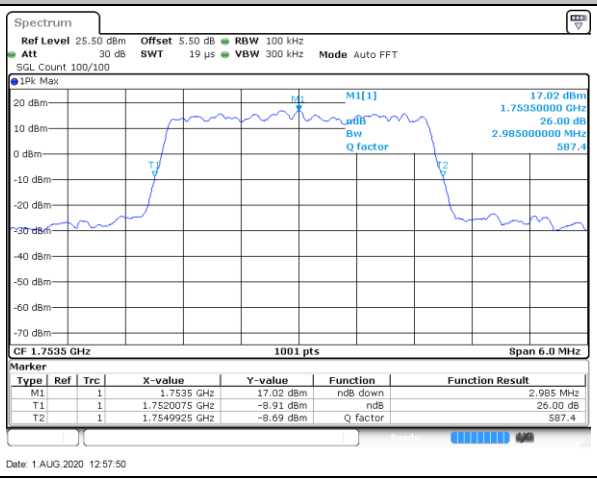
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

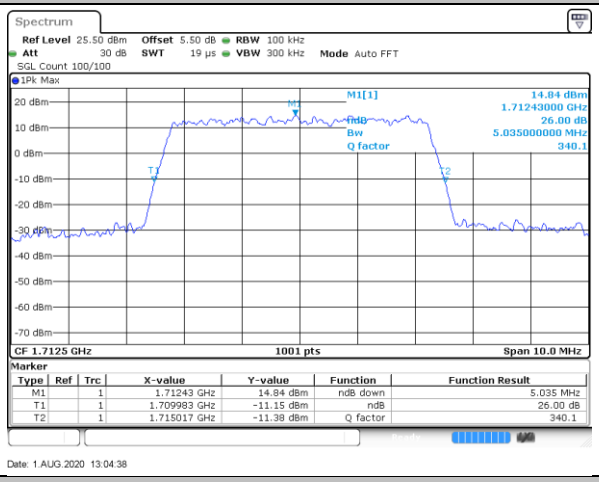


Highest Channel / 3MHz / 16QAM

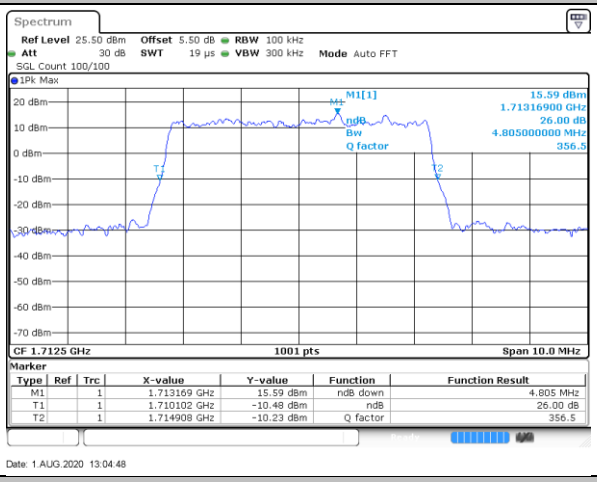


LTE Band 4

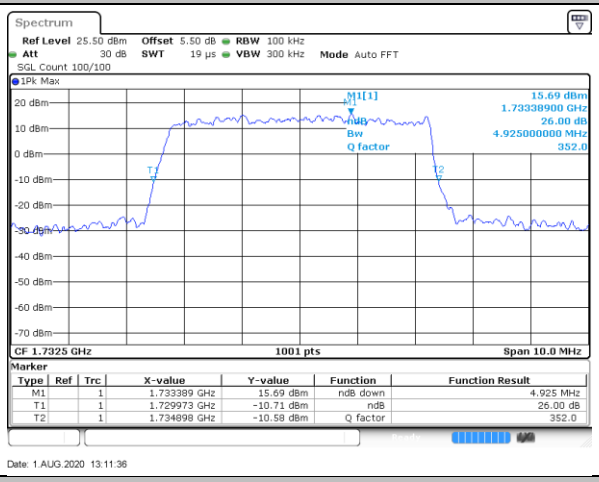
Lowest Channel / 5MHz / QPSK



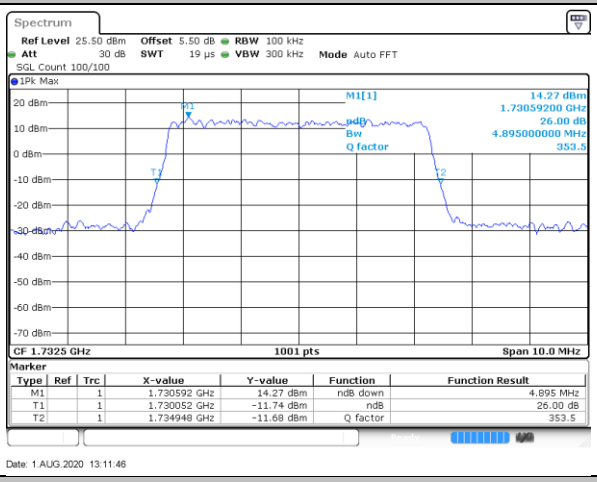
Lowest Channel / 5MHz / 16QAM



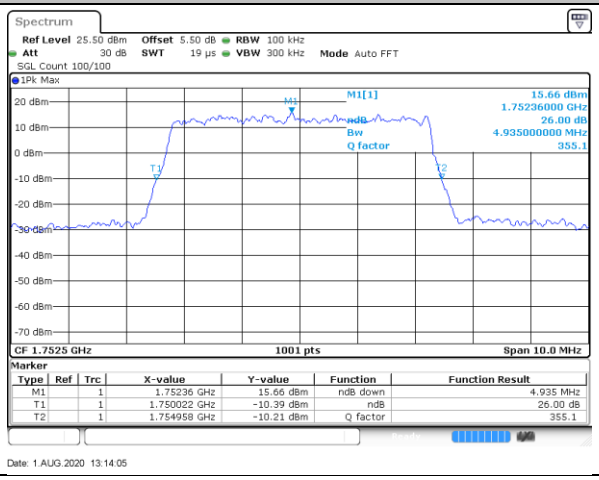
Middle Channel / 5MHz / QPSK



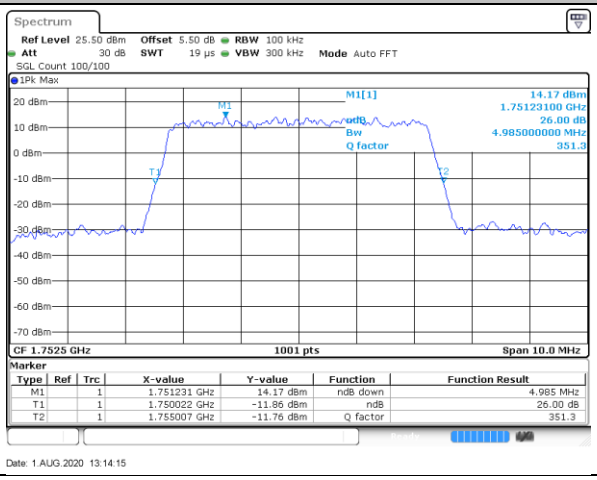
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

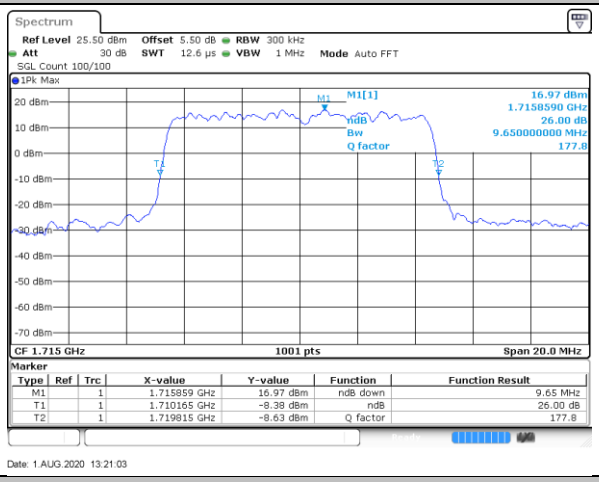


Highest Channel / 5MHz / 16QAM

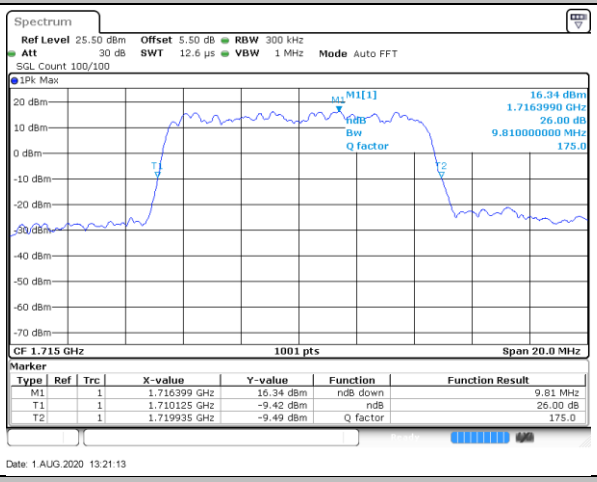


LTE Band 4

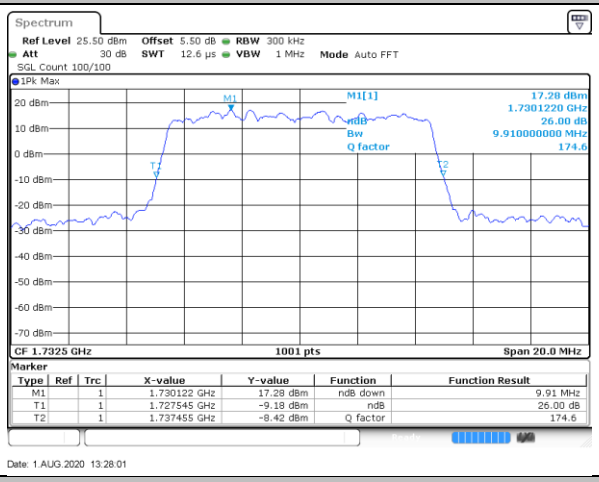
Lowest Channel / 10MHz / QPSK



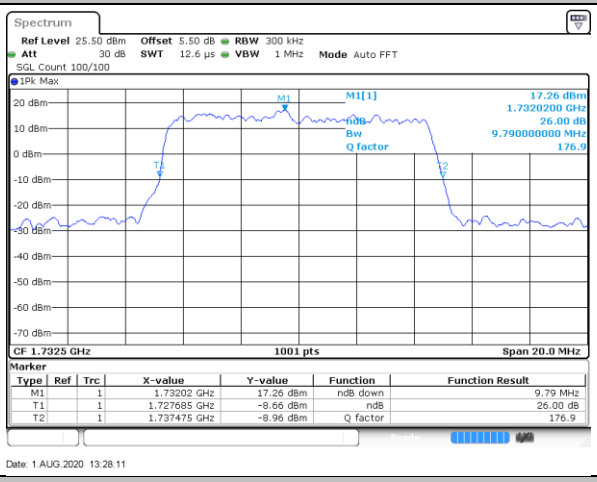
Lowest Channel / 10MHz / 16QAM



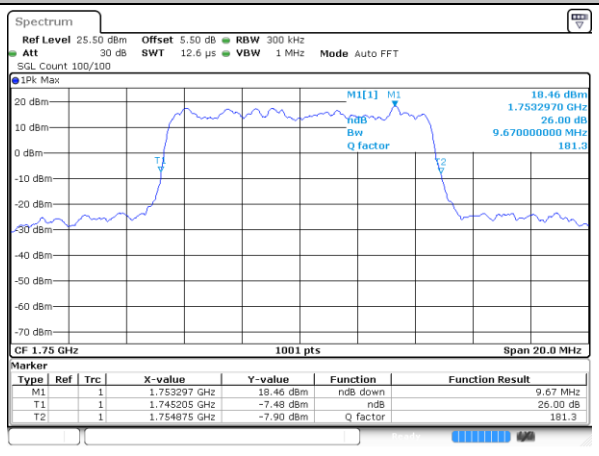
Middle Channel / 10MHz / QPSK



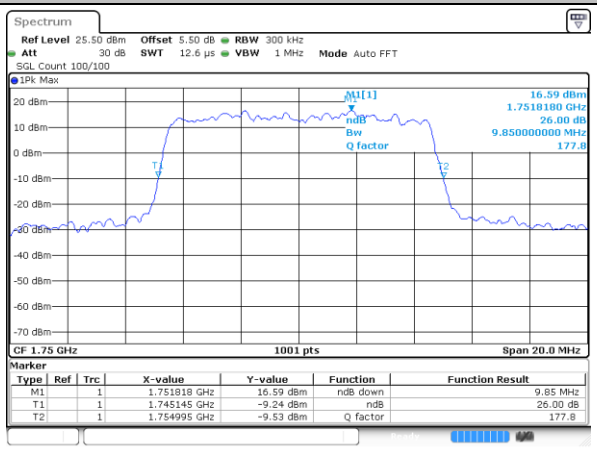
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

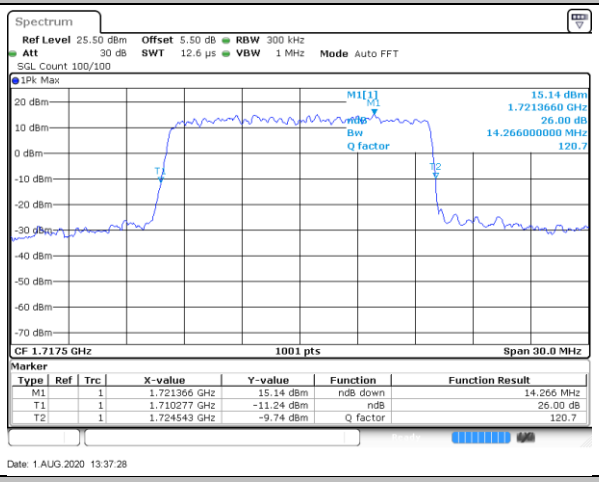


Highest Channel / 10MHz / 16QAM

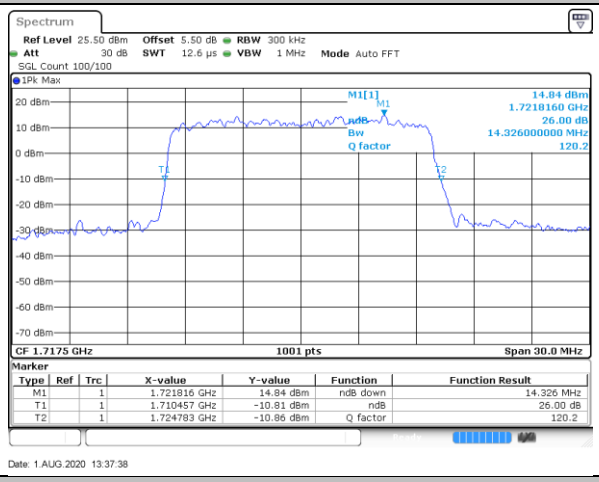


LTE Band 4

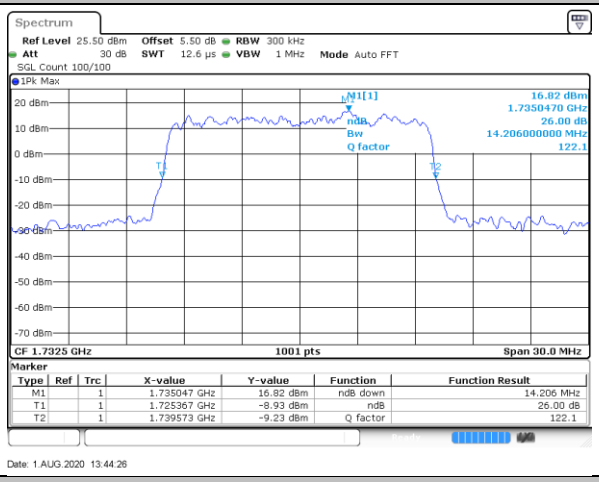
Lowest Channel / 15MHz / QPSK



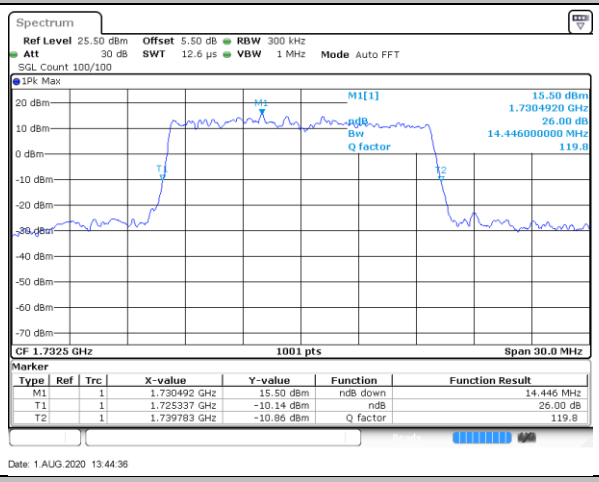
Lowest Channel / 15MHz / 16QAM



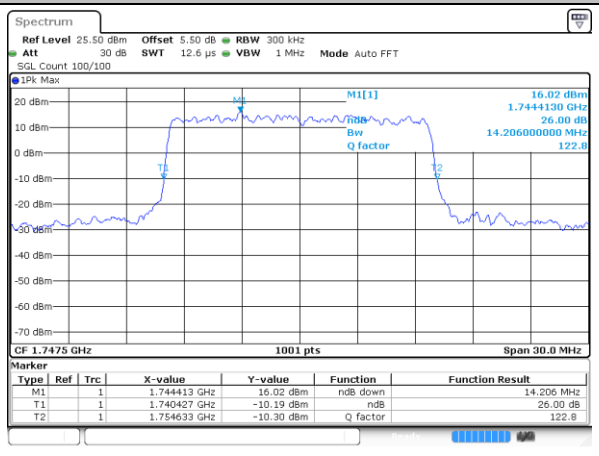
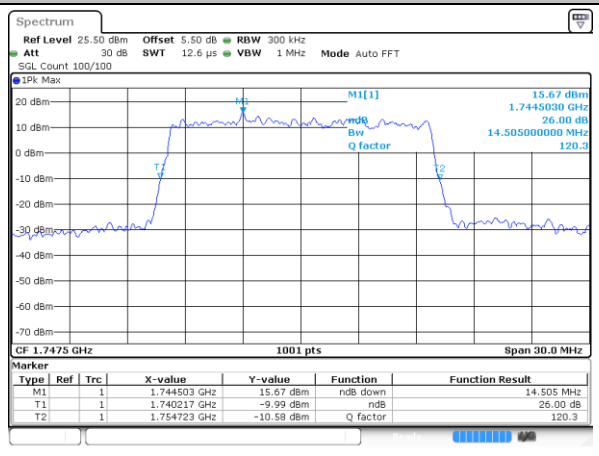
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM