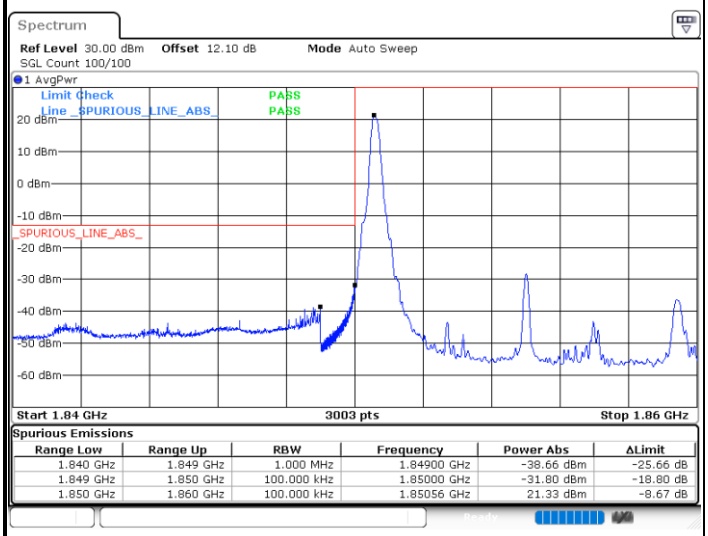
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

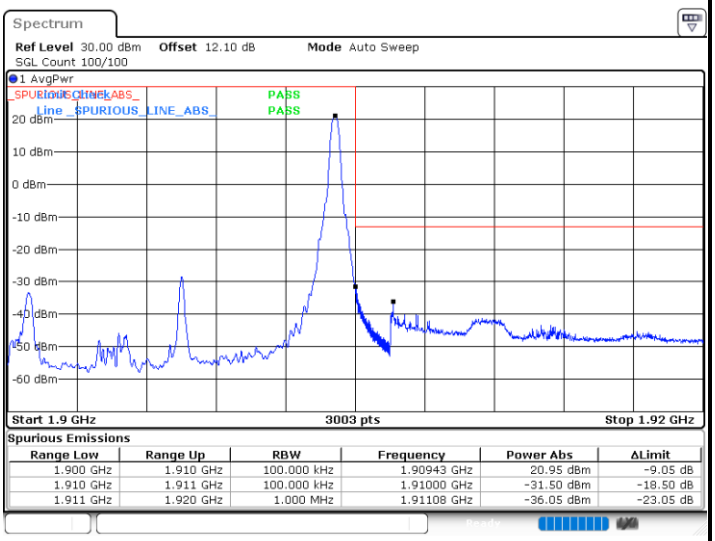


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-38.66 dBm	-25.66 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.85000 GHz	-31.80 dBm	-18.80 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85056 GHz	21.33 dBm	-8.67 dB

Date: 22.SEP.2020 20:42:26

Highest Band Edge / 1 RB

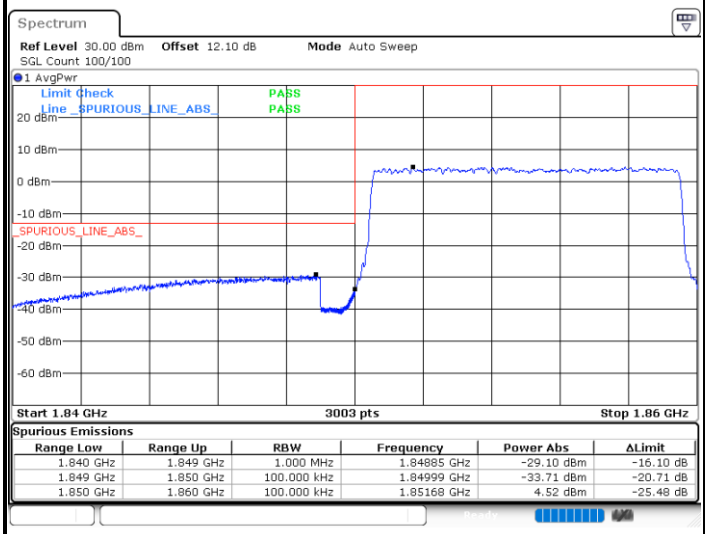


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90943 GHz	20.95 dBm	-9.05 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91000 GHz	-31.50 dBm	-18.50 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91108 GHz	-36.05 dBm	-23.05 dB

Date: 22.SEP.2020 20:50:42

Lowest Band Edge / Full RB

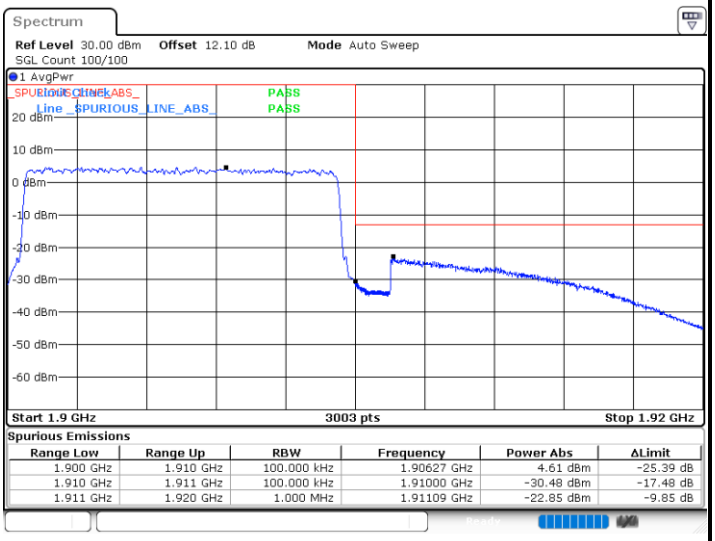


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84885 GHz	-29.10 dBm	-16.10 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.84999 GHz	-33.71 dBm	-20.71 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85168 GHz	4.52 dBm	-25.48 dB

Date: 22.SEP.2020 20:44:26

Highest Band Edge / Full RB



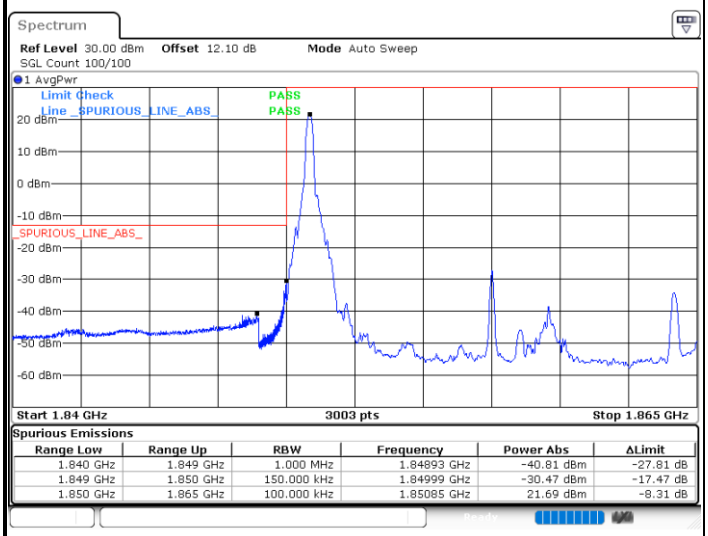
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90627 GHz	4.61 dBm	-25.39 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91000 GHz	-30.48 dBm	-17.48 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-22.85 dBm	-9.85 dB

Date: 22.SEP.2020 20:52:42

LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB

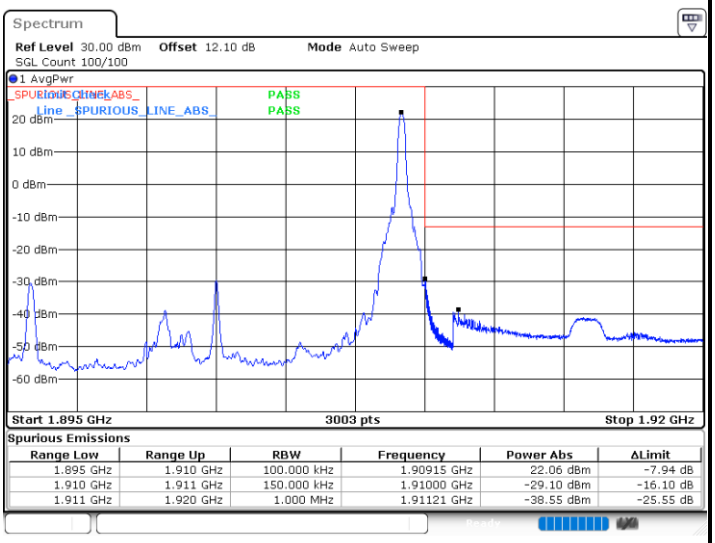


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84893 GHz	-40.81 dBm	-27.81 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84999 GHz	-30.47 dBm	-17.47 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85085 GHz	21.69 dBm	-8.31 dB

Date: 22.SEP.2020 21:07:07

Highest Band Edge / 1 RB

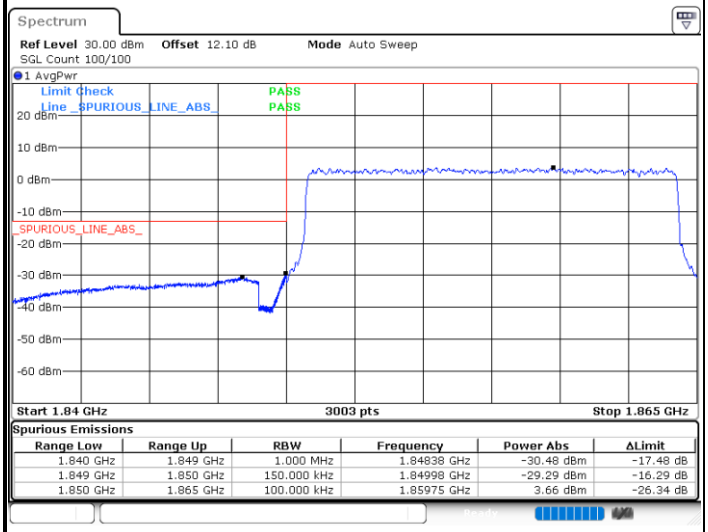


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90915 GHz	22.06 dBm	-7.94 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91000 GHz	-29.10 dBm	-16.10 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91121 GHz	-38.55 dBm	-25.55 dB

Date: 22.SEP.2020 21:15:23

Lowest Band Edge / Full RB

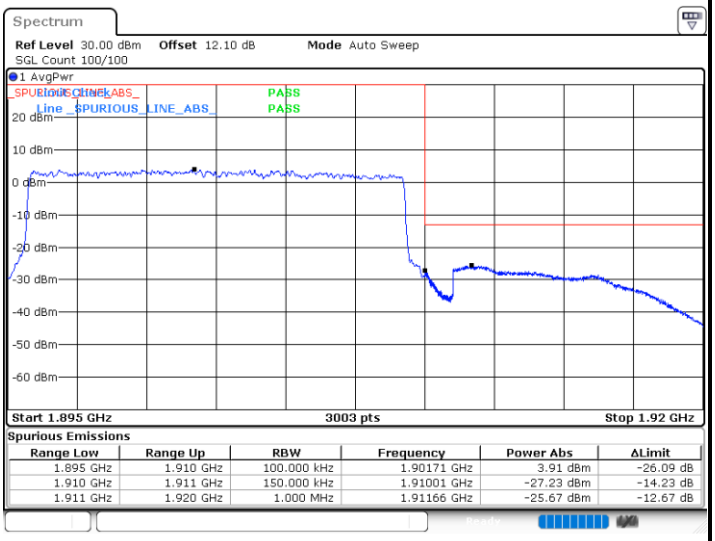


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84838 GHz	-30.48 dBm	-17.48 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84998 GHz	-29.29 dBm	-16.29 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85975 GHz	3.66 dBm	-26.34 dB

Date: 22.SEP.2020 21:09:07

Highest Band Edge / Full RB



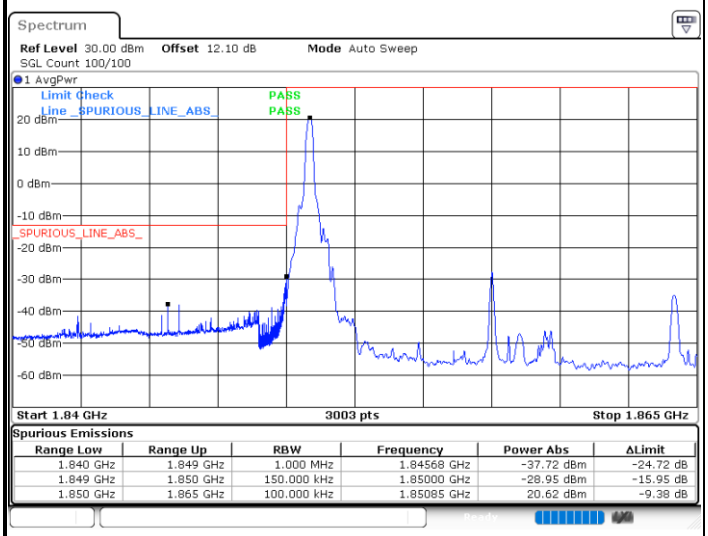
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90171 GHz	3.91 dBm	-26.09 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91001 GHz	-27.23 dBm	-14.23 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91166 GHz	-25.67 dBm	-12.67 dB

Date: 22.SEP.2020 21:17:23

LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

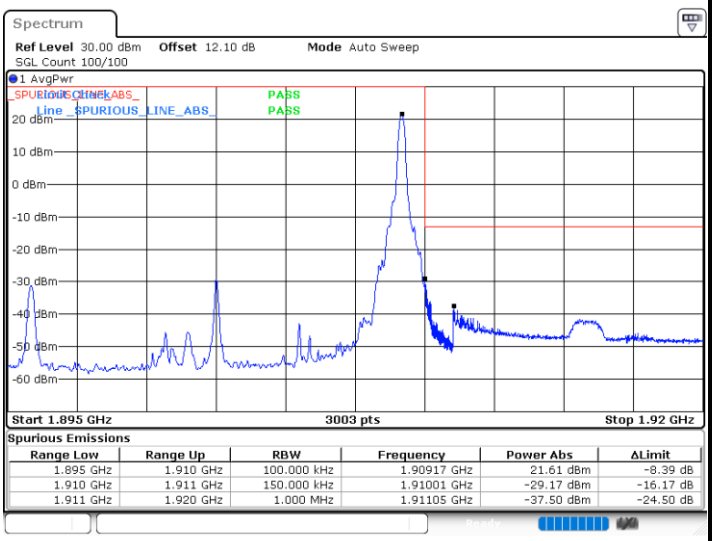


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84568 GHz	-37.72 dBm	-24.72 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.85000 GHz	-28.95 dBm	-15.95 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85085 GHz	20.62 dBm	-9.38 dB

Date: 22.SEP.2020 21:08:07

Highest Band Edge / 1 RB

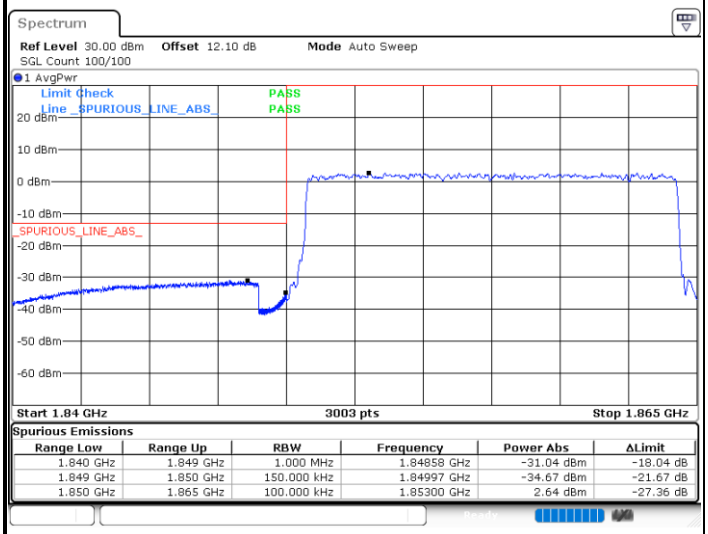


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90917 GHz	21.61 dBm	-8.39 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91001 GHz	-29.17 dBm	-16.17 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91105 GHz	-37.50 dBm	-24.50 dB

Date: 22.SEP.2020 21:16:23

Lowest Band Edge / Full RB

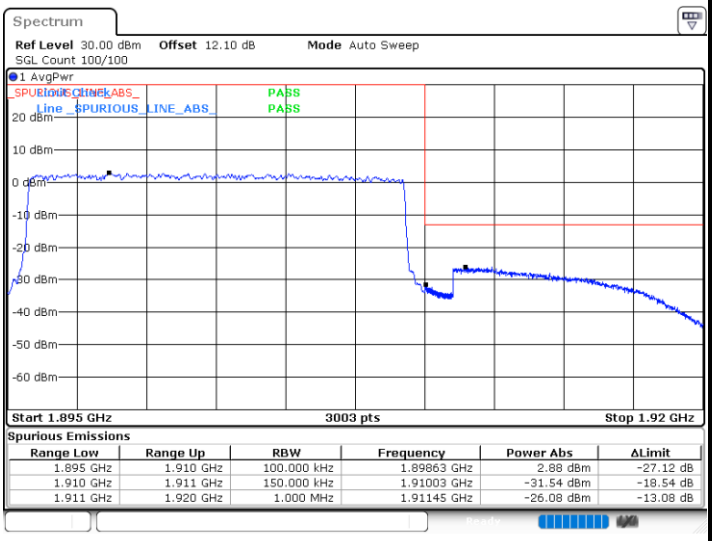


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84858 GHz	-31.04 dBm	-18.04 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84997 GHz	-34.67 dBm	-21.67 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85300 GHz	2.64 dBm	-27.36 dB

Date: 22.SEP.2020 21:10:07

Highest Band Edge / Full RB



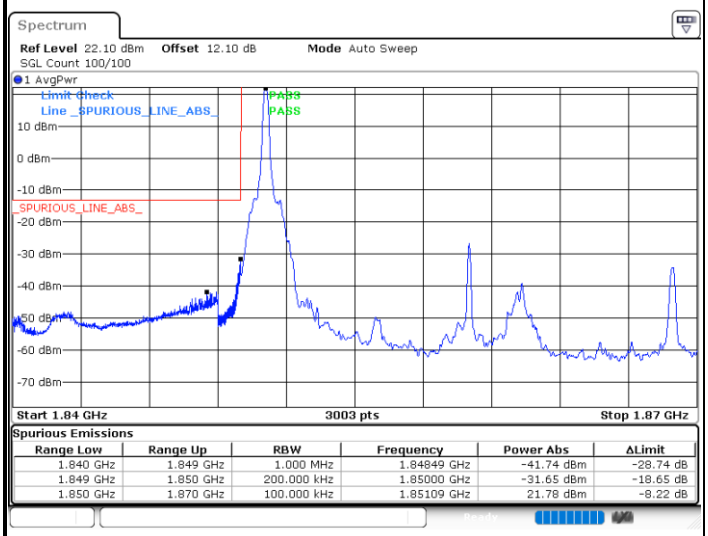
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.89863 GHz	2.88 dBm	-27.12 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91003 GHz	-31.54 dBm	-18.54 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91145 GHz	-26.08 dBm	-13.08 dB

Date: 22.SEP.2020 21:18:22

LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB

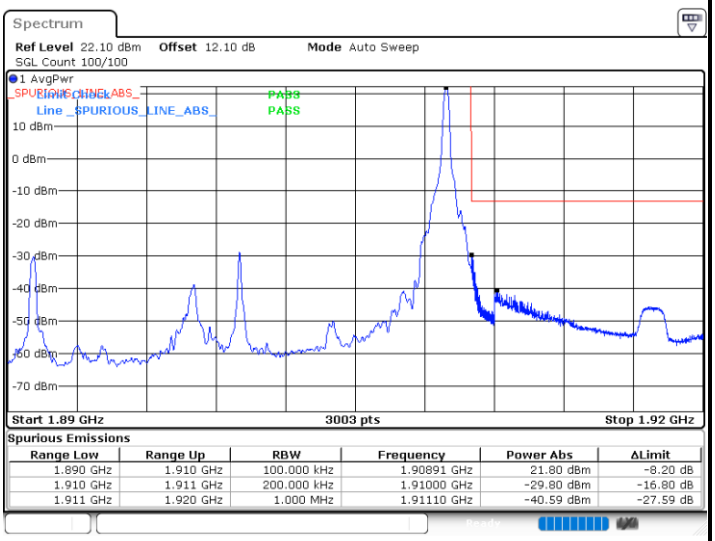


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84849 GHz	-41.74 dBm	-28.74 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.85000 GHz	-31.65 dBm	-18.65 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85109 GHz	21.78 dBm	-8.22 dB

Date: 22.SEP.2020 21:21:32

Highest Band Edge / 1 RB

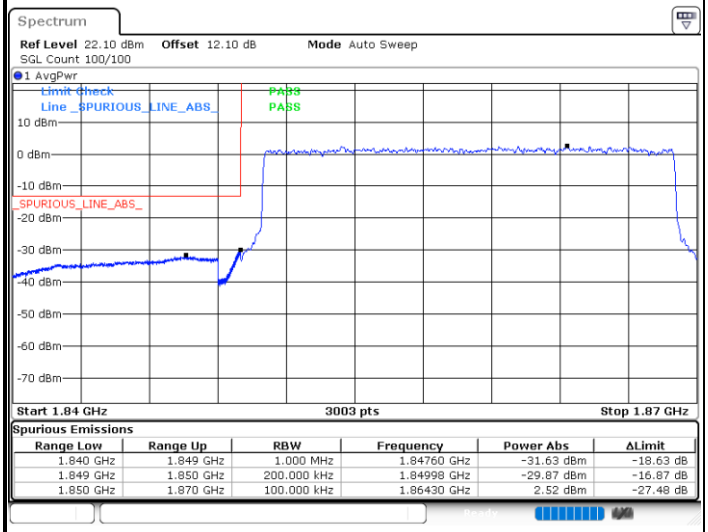


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90891 GHz	21.80 dBm	-8.20 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91000 GHz	-29.80 dBm	-16.80 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91110 GHz	-40.59 dBm	-27.59 dB

Date: 22.SEP.2020 21:29:47

Lowest Band Edge / Full RB

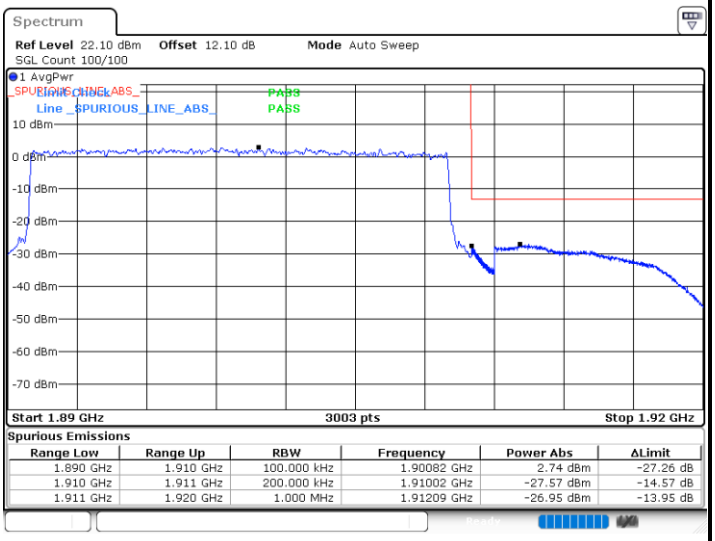


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84760 GHz	-31.63 dBm	-18.63 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84998 GHz	-29.87 dBm	-16.87 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86430 GHz	2.52 dBm	-27.48 dB

Date: 22.SEP.2020 21:23:32

Highest Band Edge / Full RB



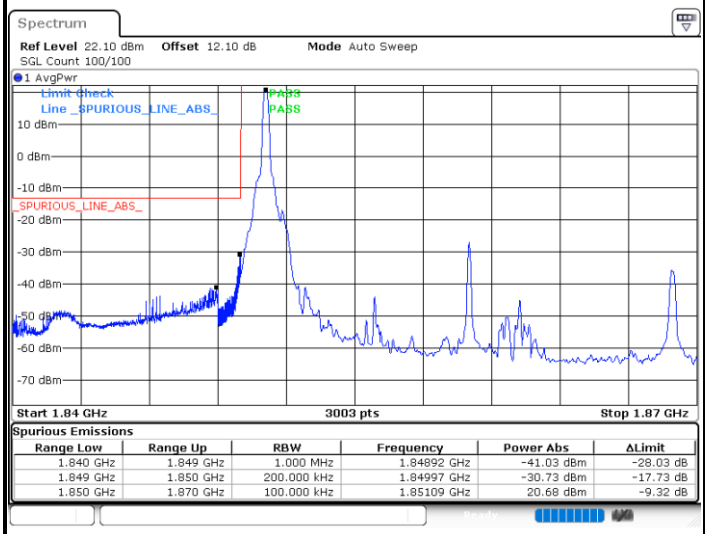
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90082 GHz	2.74 dBm	-27.26 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91002 GHz	-27.57 dBm	-14.57 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91209 GHz	-26.95 dBm	-13.95 dB

Date: 22.SEP.2020 21:31:47

LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

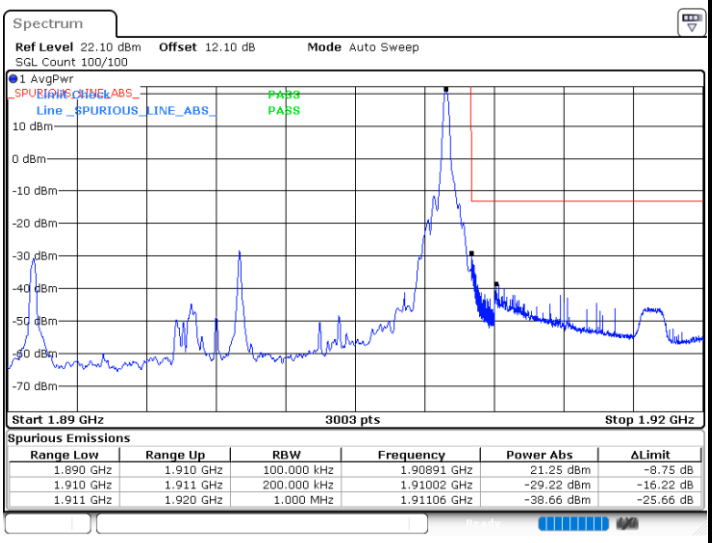


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84892 GHz	-41.03 dBm	-28.03 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84997 GHz	-30.73 dBm	-17.73 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85109 GHz	20.68 dBm	-9.32 dB

Date: 22.SEP.2020 21:22:32

Highest Band Edge / 1 RB

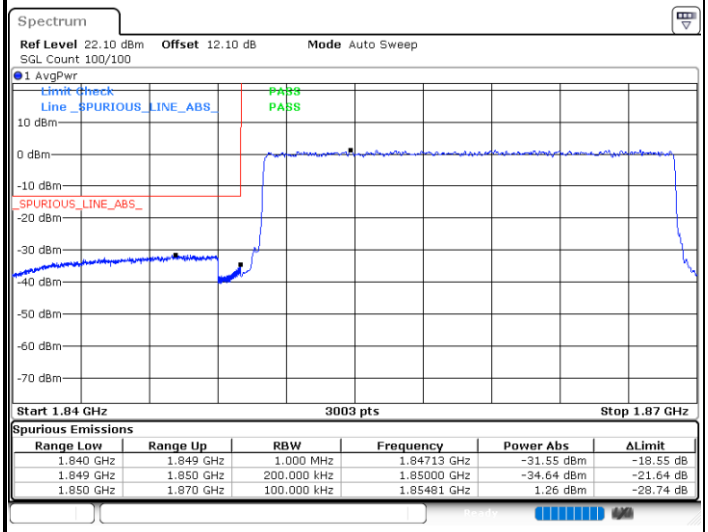


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90891 GHz	21.25 dBm	-8.75 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91002 GHz	-29.22 dBm	-16.22 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91106 GHz	-38.66 dBm	-25.66 dB

Date: 22.SEP.2020 21:30:47

Lowest Band Edge / Full RB

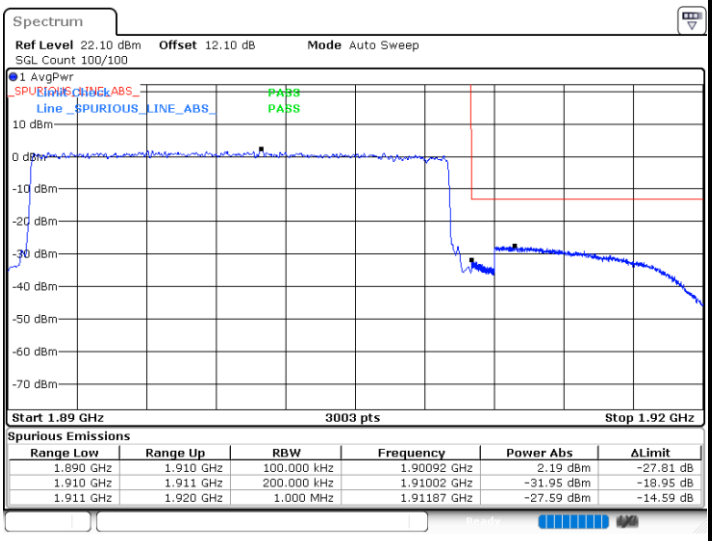


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84713 GHz	-31.55 dBm	-18.55 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.85000 GHz	-34.64 dBm	-21.64 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85481 GHz	1.26 dBm	-28.74 dB

Date: 22.SEP.2020 21:24:32

Highest Band Edge / Full RB



Spurious Emissions

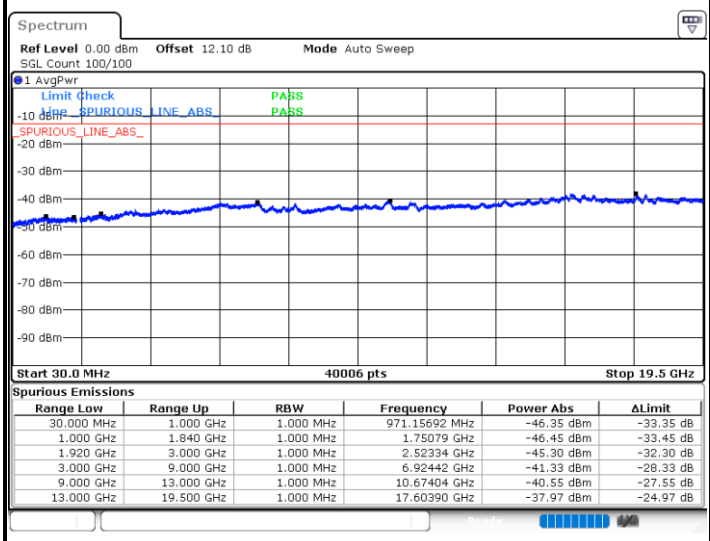
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90092 GHz	2.19 dBm	-27.81 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91002 GHz	-31.95 dBm	-18.95 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91187 GHz	-27.59 dBm	-14.59 dB

Date: 22.SEP.2020 21:32:47

Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

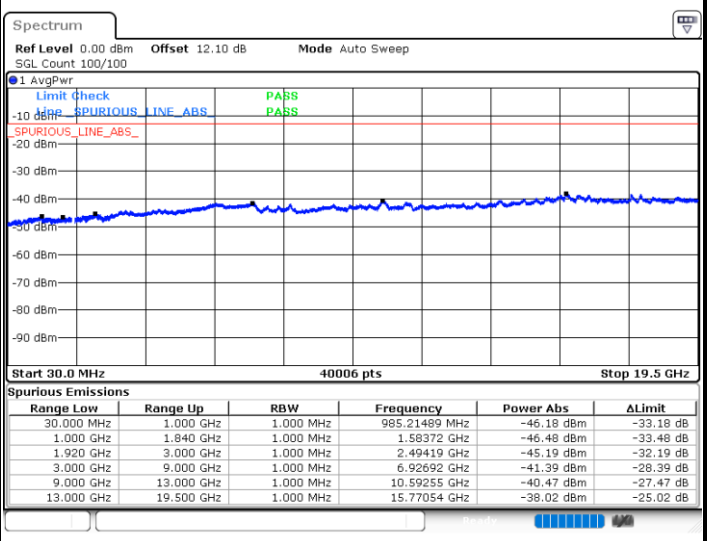


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-46.35 dBm	-33.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75079 GHz	-46.45 dBm	-33.45 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52334 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92442 GHz	-41.33 dBm	-28.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.67404 GHz	-40.55 dBm	-27.55 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60390 GHz	-37.97 dBm	-24.97 dB

Date: 22.SEP.2020 21:45:58

Lowest Channel / 16QAM

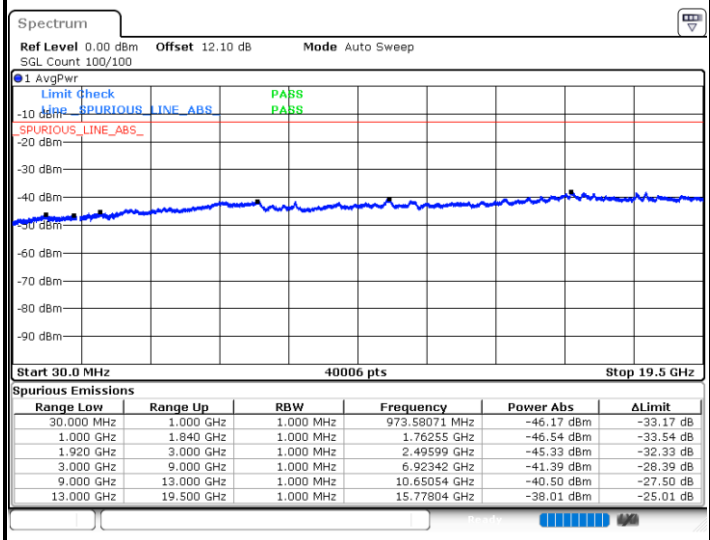


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.21489 MHz	-46.18 dBm	-33.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58372 GHz	-46.48 dBm	-33.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49419 GHz	-45.19 dBm	-32.19 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92692 GHz	-41.39 dBm	-28.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59255 GHz	-40.47 dBm	-27.47 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77054 GHz	-38.02 dBm	-25.02 dB

Date: 22.SEP.2020 21:46:39

Middle Channel / QPSK

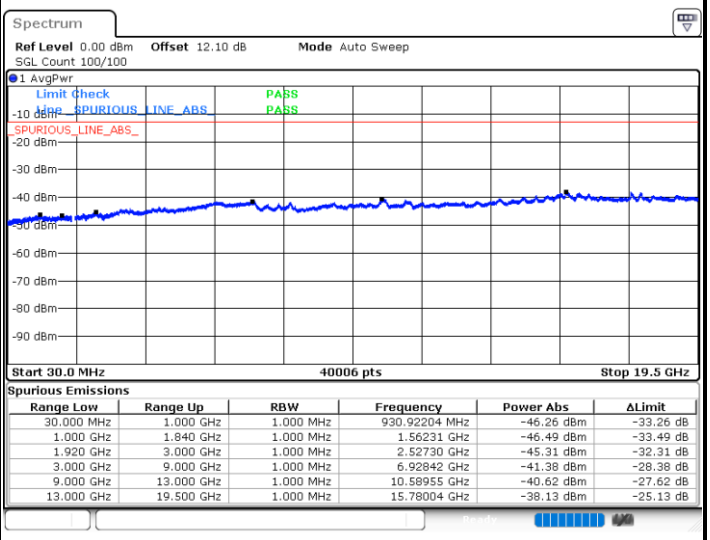


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-46.17 dBm	-33.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76255 GHz	-46.54 dBm	-33.54 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49599 GHz	-45.33 dBm	-32.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92342 GHz	-41.39 dBm	-28.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65054 GHz	-40.50 dBm	-27.50 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77804 GHz	-38.01 dBm	-25.01 dB

Date: 22.SEP.2020 21:48:04

Middle Channel / 16QAM



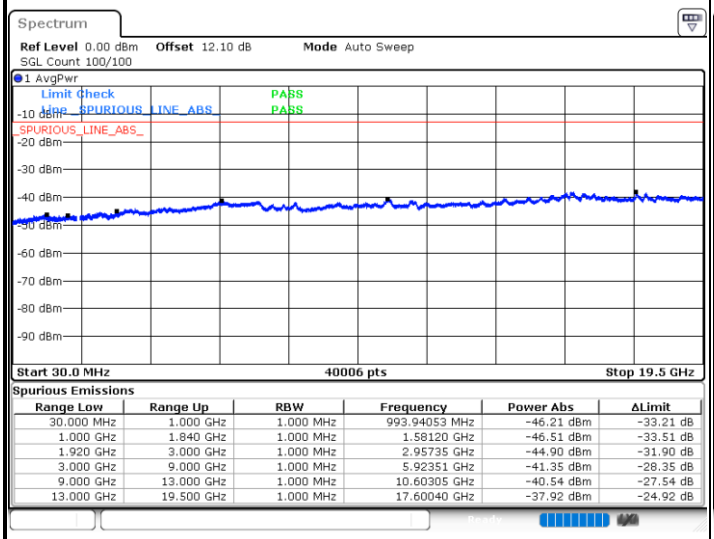
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.92204 MHz	-46.26 dBm	-33.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.56231 GHz	-46.49 dBm	-33.49 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52730 GHz	-45.31 dBm	-32.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92842 GHz	-41.38 dBm	-28.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58955 GHz	-40.62 dBm	-27.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78004 GHz	-38.13 dBm	-25.13 dB

Date: 22.SEP.2020 21:48:45

LTE Band 2 / 1.4MHz

Highest Channel / QPSK

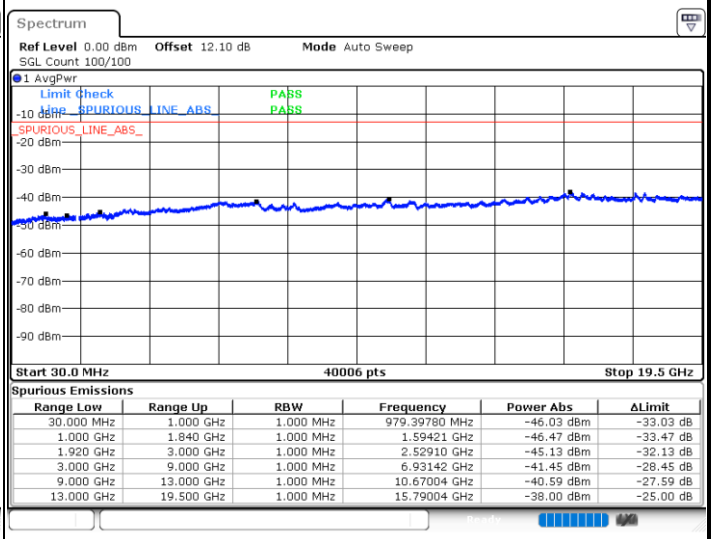


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-46.21 dBm	-33.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58120 GHz	-46.51 dBm	-33.51 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95735 GHz	-44.90 dBm	-31.90 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.92351 GHz	-41.35 dBm	-28.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60305 GHz	-40.54 dBm	-27.54 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60040 GHz	-37.92 dBm	-24.92 dB

Date: 22.SEP.2020 21:54:26

Highest Channel / 16QAM



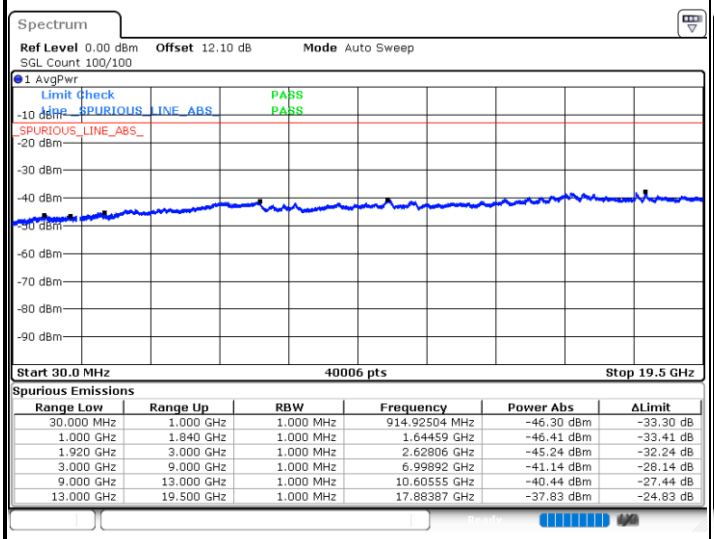
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.39780 MHz	-46.03 dBm	-33.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59421 GHz	-46.47 dBm	-33.47 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52910 GHz	-45.13 dBm	-32.13 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93142 GHz	-41.45 dBm	-28.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.67004 GHz	-40.59 dBm	-27.59 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.79004 GHz	-38.00 dBm	-25.00 dB

Date: 22.SEP.2020 21:55:07

LTE Band 2 / 3MHz

Lowest Channel / QPSK

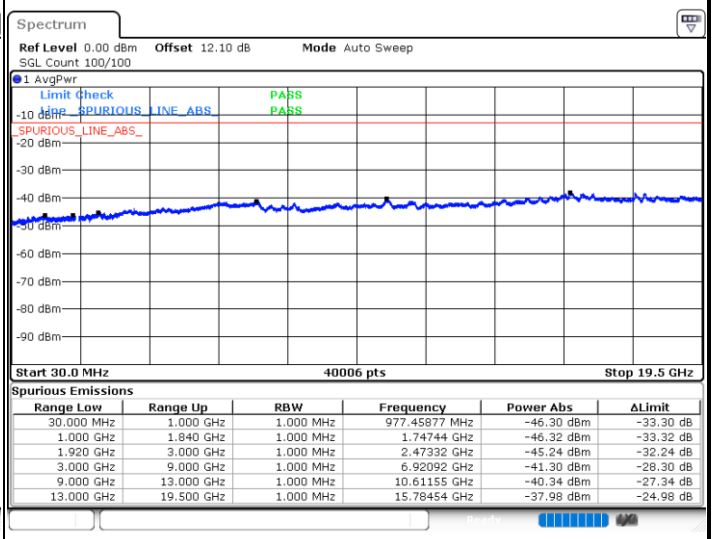


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64459 GHz	-46.41 dBm	-33.41 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62806 GHz	-45.24 dBm	-32.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-41.14 dBm	-28.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60555 GHz	-40.44 dBm	-27.44 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.88387 GHz	-37.83 dBm	-24.83 dB

Date: 22.SEP.2020 20:16:18

Lowest Channel / 16QAM



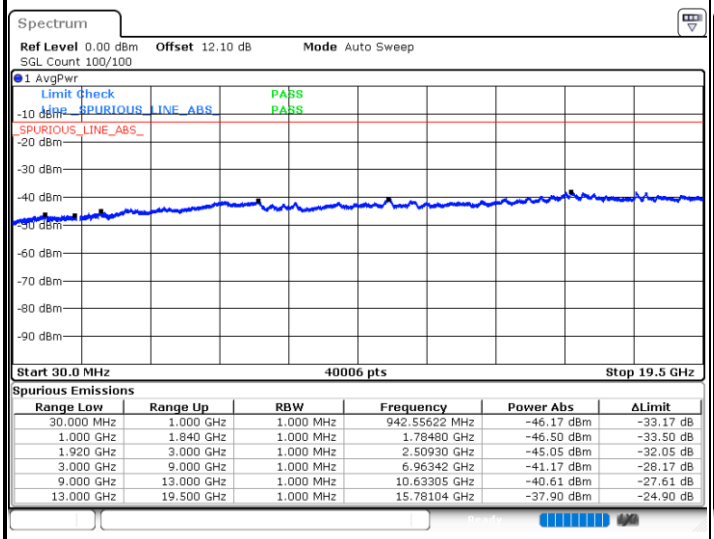
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74744 GHz	-46.32 dBm	-33.32 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.47332 GHz	-45.24 dBm	-32.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92092 GHz	-41.30 dBm	-28.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61155 GHz	-40.34 dBm	-27.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78454 GHz	-37.98 dBm	-24.98 dB

Date: 22.SEP.2020 20:16:59

LTE Band 2 / 3MHz

Middle Channel / QPSK

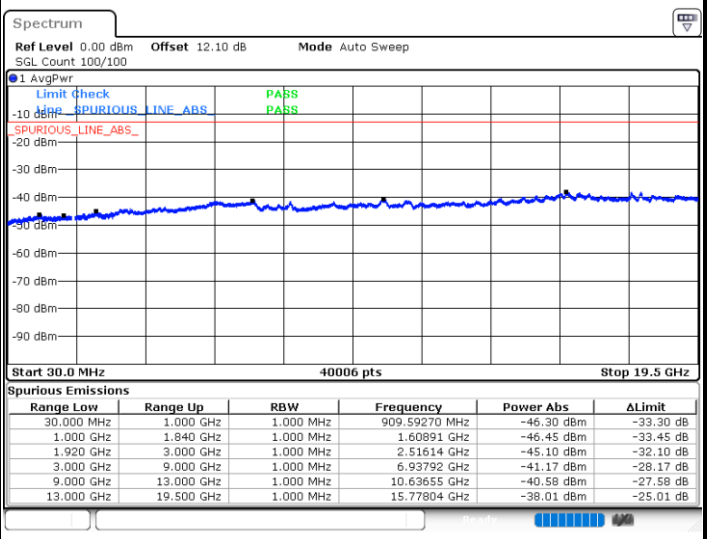


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-46.17 dBm	-33.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78480 GHz	-46.50 dBm	-33.50 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50930 GHz	-45.05 dBm	-32.05 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96342 GHz	-41.17 dBm	-28.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63305 GHz	-40.61 dBm	-27.61 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78104 GHz	-37.90 dBm	-24.90 dB

Date: 22.SEP.2020 20:18:25

Middle Channel / 16QAM

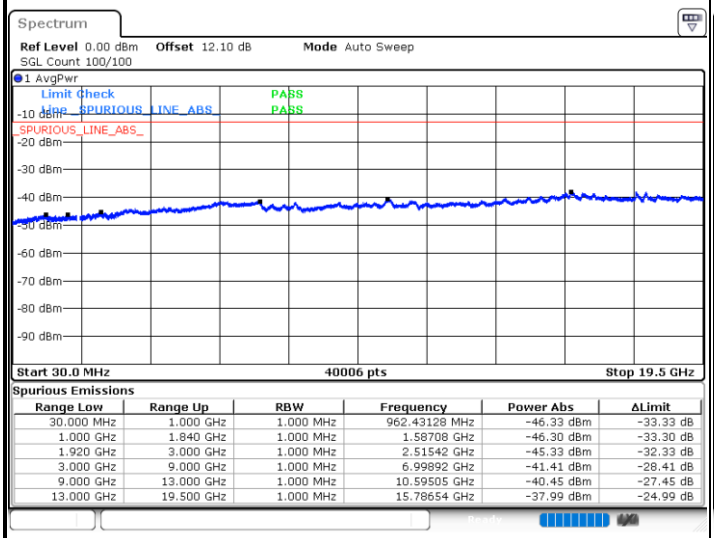


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60891 GHz	-46.45 dBm	-33.45 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51614 GHz	-45.10 dBm	-32.10 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93792 GHz	-41.17 dBm	-28.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63655 GHz	-40.58 dBm	-27.58 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77804 GHz	-38.01 dBm	-25.01 dB

Date: 22.SEP.2020 20:19:05

Highest Channel / QPSK

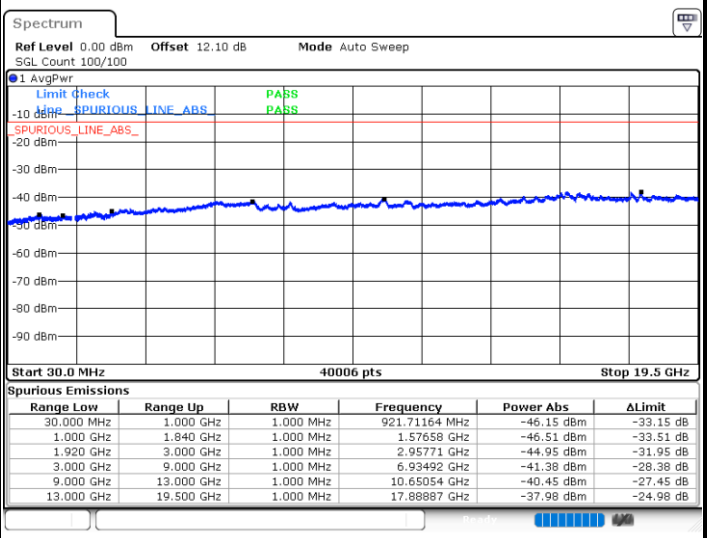


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.43128 MHz	-46.33 dBm	-33.33 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58708 GHz	-46.30 dBm	-33.30 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51542 GHz	-45.33 dBm	-32.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-41.41 dBm	-28.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59505 GHz	-40.45 dBm	-27.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78654 GHz	-37.99 dBm	-24.99 dB

Date: 22.SEP.2020 20:24:34

Highest Channel / 16QAM



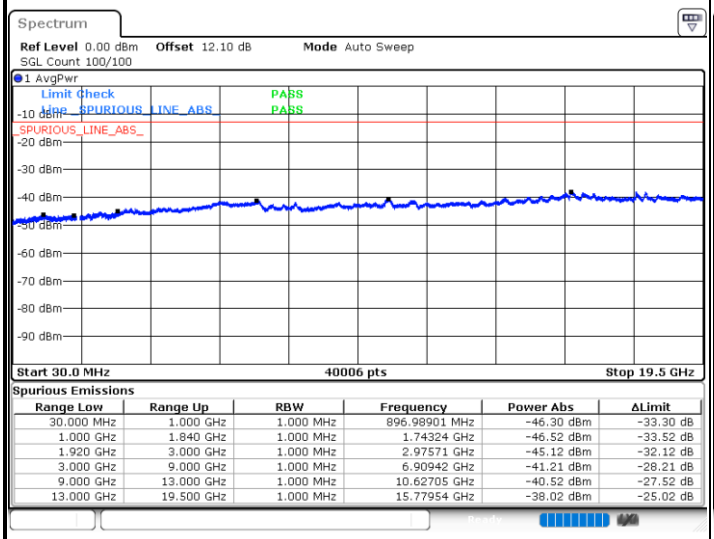
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-46.15 dBm	-33.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.57658 GHz	-46.51 dBm	-33.51 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95771 GHz	-44.95 dBm	-31.95 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93492 GHz	-41.38 dBm	-28.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65054 GHz	-40.45 dBm	-27.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.88887 GHz	-37.98 dBm	-24.98 dB

Date: 22.SEP.2020 20:25:15

LTE Band 2 / 5MHz

Lowest Channel / QPSK

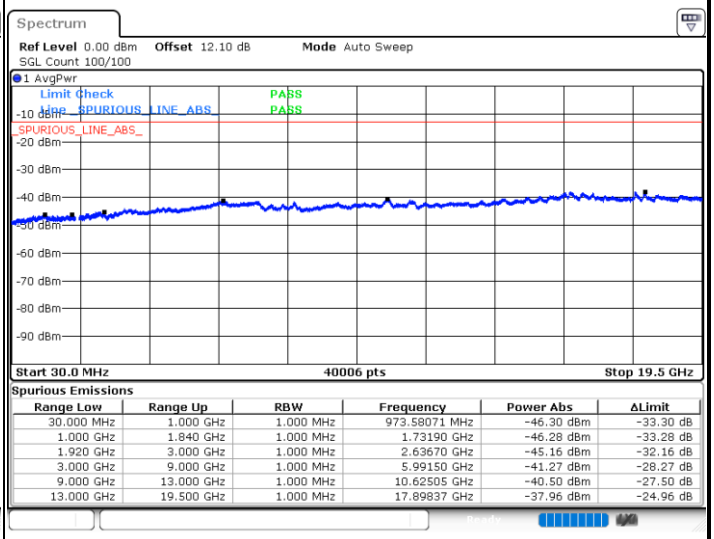


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.98901 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74324 GHz	-46.52 dBm	-33.52 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97571 GHz	-45.12 dBm	-32.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90942 GHz	-41.21 dBm	-28.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62705 GHz	-40.52 dBm	-27.52 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77954 GHz	-38.02 dBm	-25.02 dB

Date: 22.SEP.2020 20:30:43

Lowest Channel / 16QAM

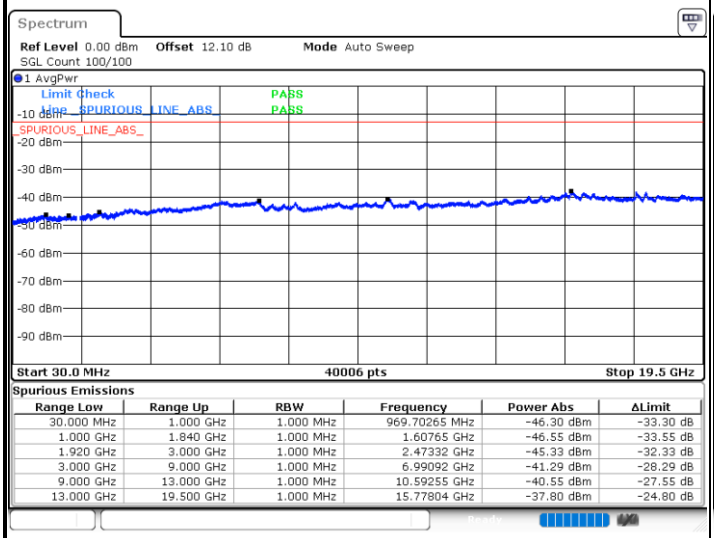


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73190 GHz	-46.28 dBm	-33.28 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63670 GHz	-45.16 dBm	-32.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.99150 GHz	-41.27 dBm	-28.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62505 GHz	-40.50 dBm	-27.50 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.89837 GHz	-37.96 dBm	-24.96 dB

Date: 22.SEP.2020 20:31:24

Middle Channel / QPSK

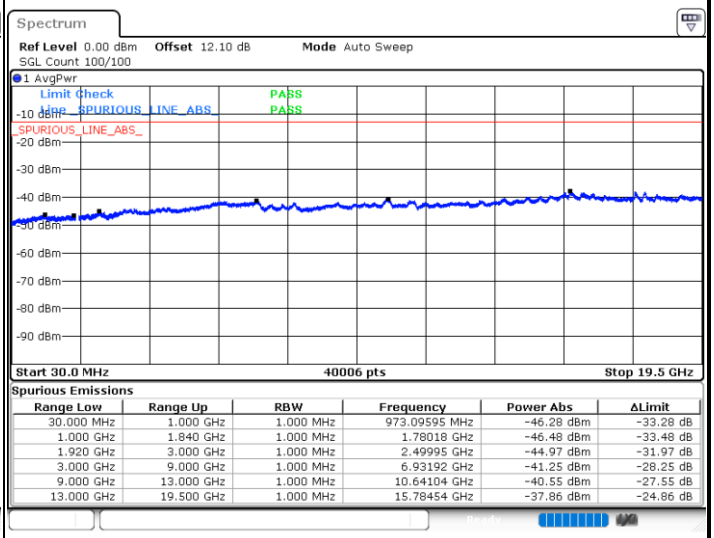


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-46.30 dBm	-33.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60765 GHz	-46.55 dBm	-33.55 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.47332 GHz	-45.33 dBm	-32.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-41.29 dBm	-28.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59255 GHz	-40.55 dBm	-27.55 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77804 GHz	-37.80 dBm	-24.80 dB

Date: 22.SEP.2020 20:32:50

Middle Channel / 16QAM



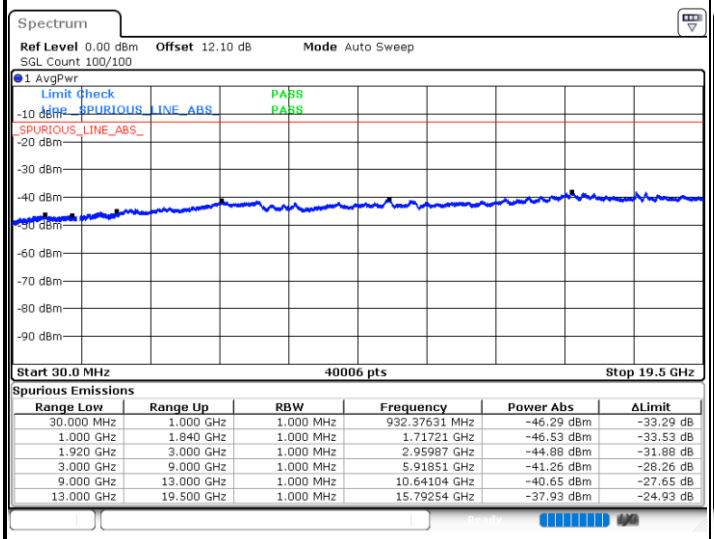
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-46.28 dBm	-33.28 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78018 GHz	-46.48 dBm	-33.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49995 GHz	-44.97 dBm	-31.97 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93192 GHz	-41.25 dBm	-28.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64104 GHz	-40.55 dBm	-27.55 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78454 GHz	-37.86 dBm	-24.86 dB

Date: 22.SEP.2020 20:33:30

LTE Band 2 / 5MHz

Highest Channel / QPSK

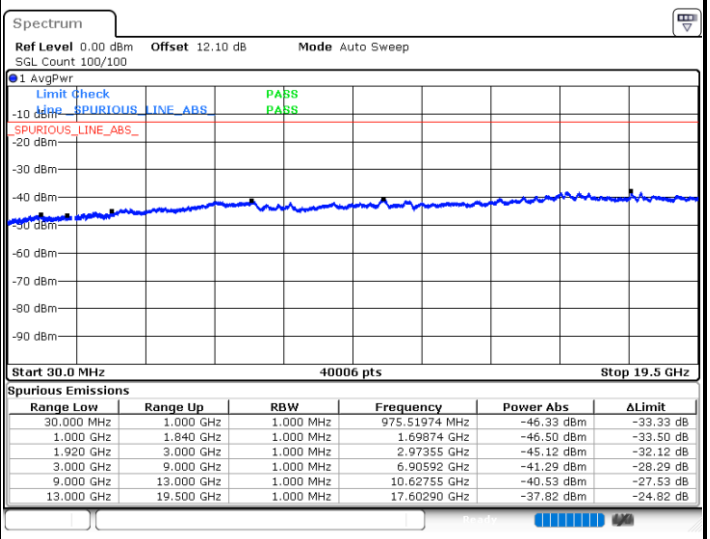


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-46.29 dBm	-33.29 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71721 GHz	-46.53 dBm	-33.53 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95987 GHz	-44.88 dBm	-31.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.91851 GHz	-41.26 dBm	-28.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64104 GHz	-40.65 dBm	-27.65 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.79254 GHz	-37.93 dBm	-24.93 dB

Date: 22.SEP.2020 20:38:58

Highest Channel / 16QAM



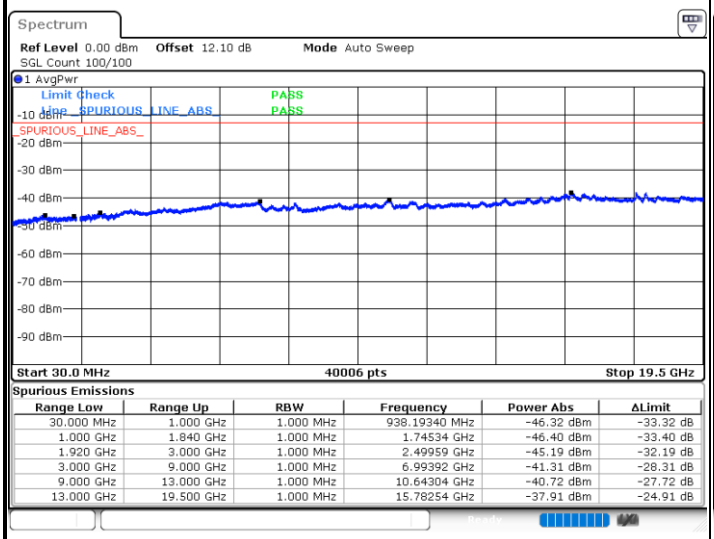
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.51974 MHz	-46.33 dBm	-33.33 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69874 GHz	-46.50 dBm	-33.50 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97355 GHz	-45.12 dBm	-32.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90592 GHz	-41.29 dBm	-28.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62755 GHz	-40.53 dBm	-27.53 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60290 GHz	-37.82 dBm	-24.82 dB

Date: 22.SEP.2020 20:39:39

LTE Band 2 / 10MHz

Lowest Channel / QPSK

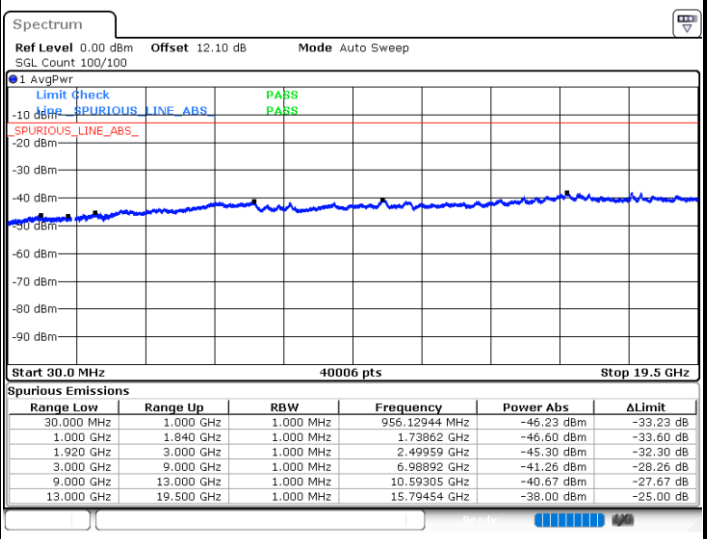


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-46.32 dBm	-33.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74534 GHz	-46.40 dBm	-33.40 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49959 GHz	-45.19 dBm	-32.19 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-41.31 dBm	-28.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64304 GHz	-40.72 dBm	-27.72 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78254 GHz	-37.91 dBm	-24.91 dB

Date: 22.SEP.2020 20:45:07

Lowest Channel / 16QAM



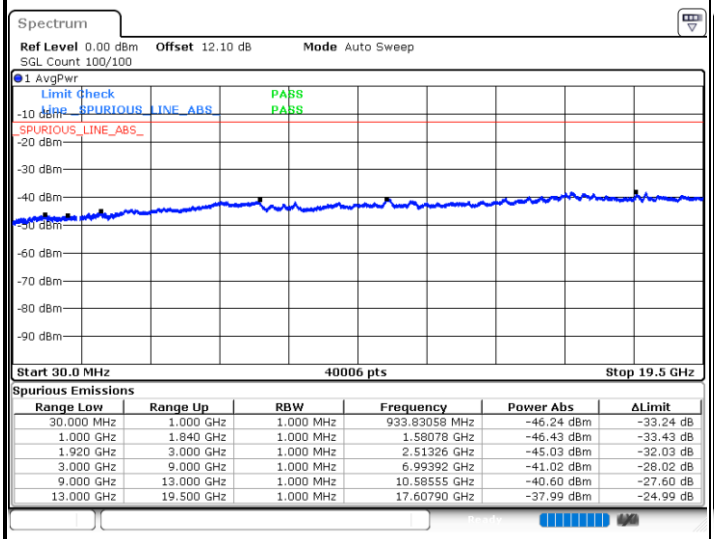
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.12944 MHz	-46.23 dBm	-33.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73862 GHz	-46.60 dBm	-33.60 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49959 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98892 GHz	-41.26 dBm	-28.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59305 GHz	-40.67 dBm	-27.67 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.79454 GHz	-38.00 dBm	-25.00 dB

Date: 22.SEP.2020 20:45:48

LTE Band 2 / 10MHz

Middle Channel / QPSK

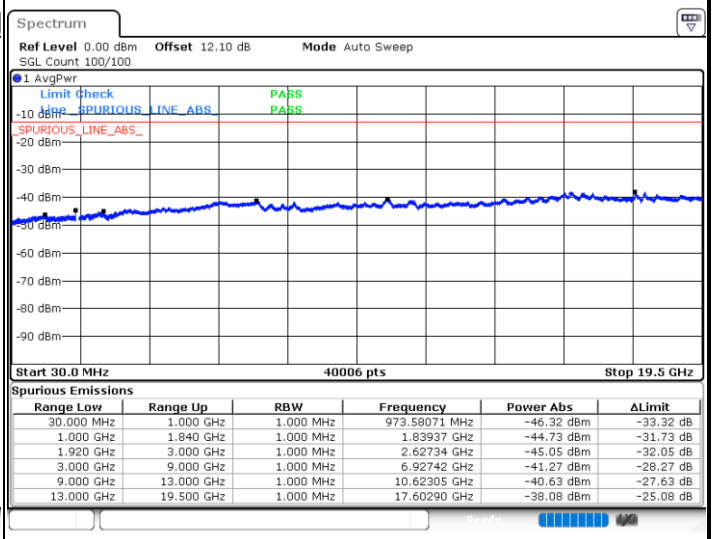


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-46.24 dBm	-33.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58078 GHz	-46.43 dBm	-33.43 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51326 GHz	-45.03 dBm	-32.03 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-41.02 dBm	-28.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58555 GHz	-40.60 dBm	-27.60 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60790 GHz	-37.99 dBm	-24.99 dB

Date: 22.SEP.2020 20:47:14

Middle Channel / 16QAM

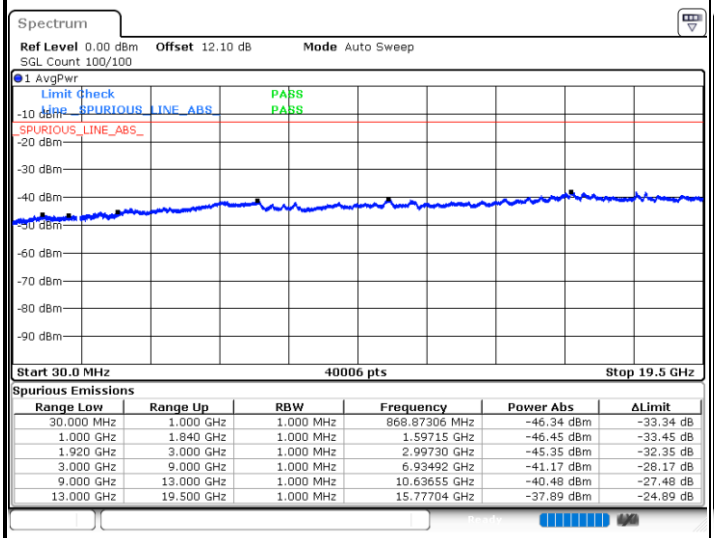


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-46.32 dBm	-33.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-44.73 dBm	-31.73 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62734 GHz	-45.05 dBm	-32.05 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92742 GHz	-41.27 dBm	-28.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62305 GHz	-40.63 dBm	-27.63 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60290 GHz	-38.08 dBm	-25.08 dB

Date: 22.SEP.2020 20:47:55

Highest Channel / QPSK

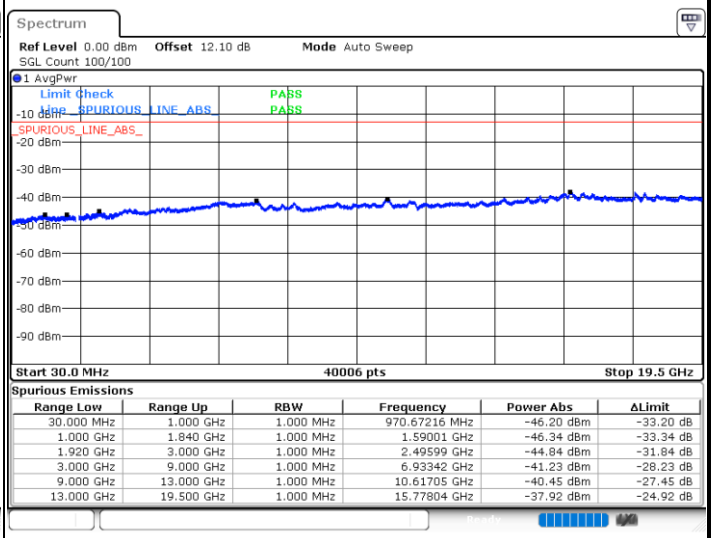


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.87306 MHz	-46.34 dBm	-33.34 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59715 GHz	-46.45 dBm	-33.45 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99730 GHz	-45.35 dBm	-32.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93492 GHz	-41.17 dBm	-28.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63655 GHz	-40.48 dBm	-27.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77704 GHz	-37.89 dBm	-24.89 dB

Date: 22.SEP.2020 20:53:23

Highest Channel / 16QAM



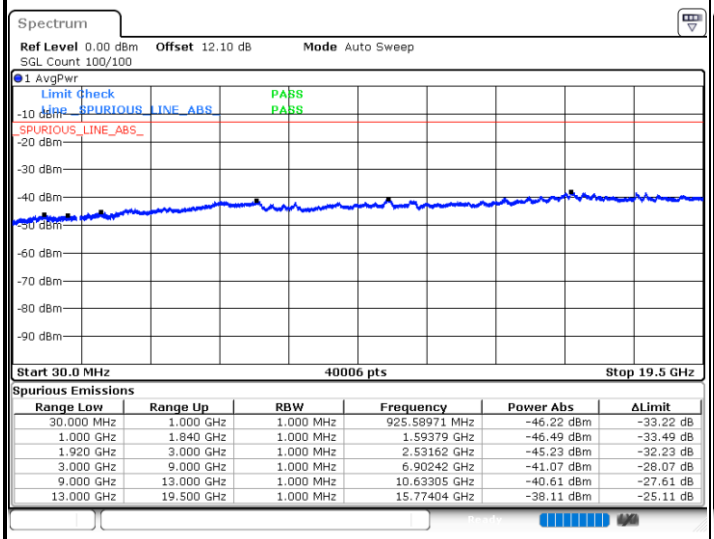
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.67216 MHz	-46.20 dBm	-33.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59001 GHz	-46.34 dBm	-33.34 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49599 GHz	-44.84 dBm	-31.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93342 GHz	-41.23 dBm	-28.23 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61705 GHz	-40.45 dBm	-27.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77804 GHz	-37.92 dBm	-24.92 dB

Date: 22.SEP.2020 21:04:40

LTE Band 2 / 15MHz

Lowest Channel / QPSK

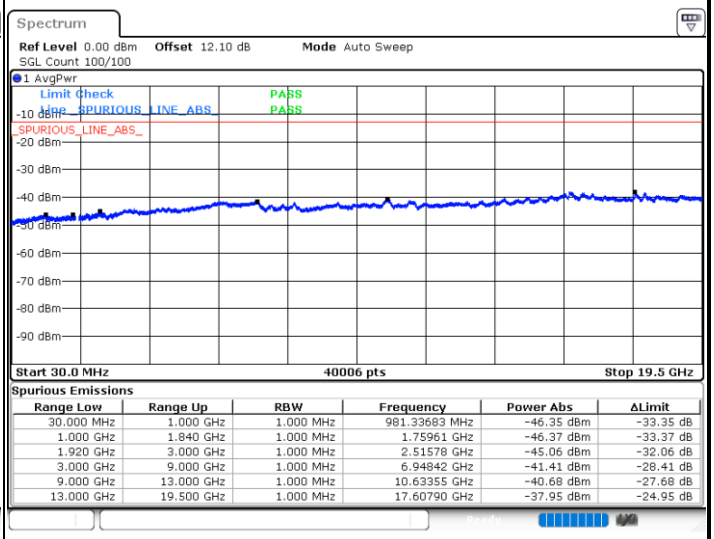


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-46.22 dBm	-33.22 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59379 GHz	-46.49 dBm	-33.49 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.53162 GHz	-45.23 dBm	-32.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90242 GHz	-41.07 dBm	-28.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63305 GHz	-40.61 dBm	-27.61 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77404 GHz	-38.11 dBm	-25.11 dB

Date: 22.SEP.2020 21:10:48

Lowest Channel / 16QAM

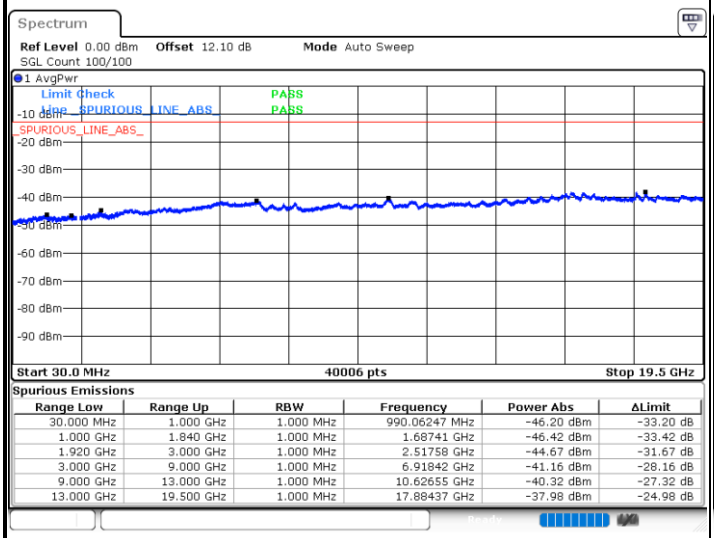


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-46.35 dBm	-33.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75961 GHz	-46.37 dBm	-33.37 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51578 GHz	-45.06 dBm	-32.06 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94842 GHz	-41.41 dBm	-28.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63355 GHz	-40.68 dBm	-27.68 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60790 GHz	-37.95 dBm	-24.95 dB

Date: 22.SEP.2020 21:11:29

Middle Channel / QPSK

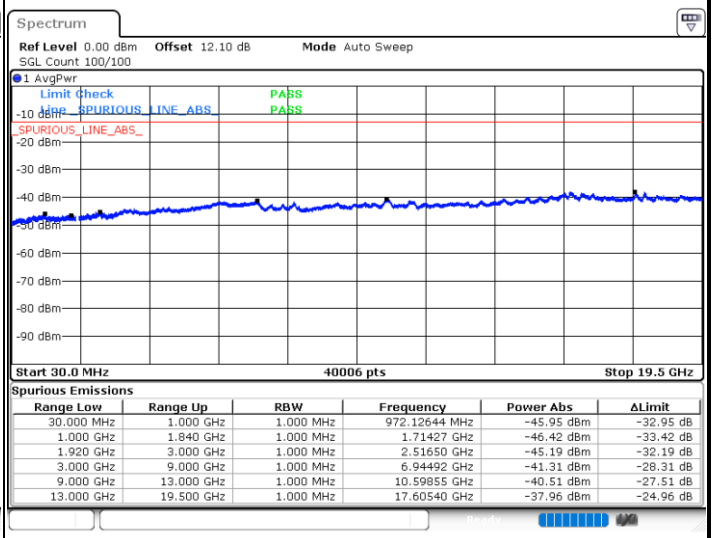


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-46.20 dBm	-33.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68741 GHz	-46.42 dBm	-33.42 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51758 GHz	-44.67 dBm	-31.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91842 GHz	-41.16 dBm	-28.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62655 GHz	-40.32 dBm	-27.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.88437 GHz	-37.98 dBm	-24.98 dB

Date: 22.SEP.2020 21:12:55

Middle Channel / 16QAM



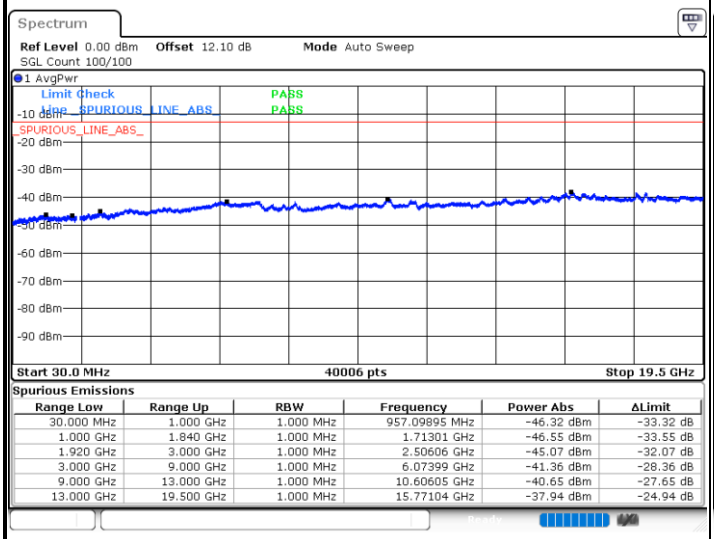
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-45.95 dBm	-32.95 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71427 GHz	-46.42 dBm	-33.42 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51650 GHz	-45.19 dBm	-32.19 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94492 GHz	-41.31 dBm	-28.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59855 GHz	-40.51 dBm	-27.51 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60540 GHz	-37.96 dBm	-24.96 dB

Date: 22.SEP.2020 21:13:36

LTE Band 2 / 15MHz

Highest Channel / QPSK

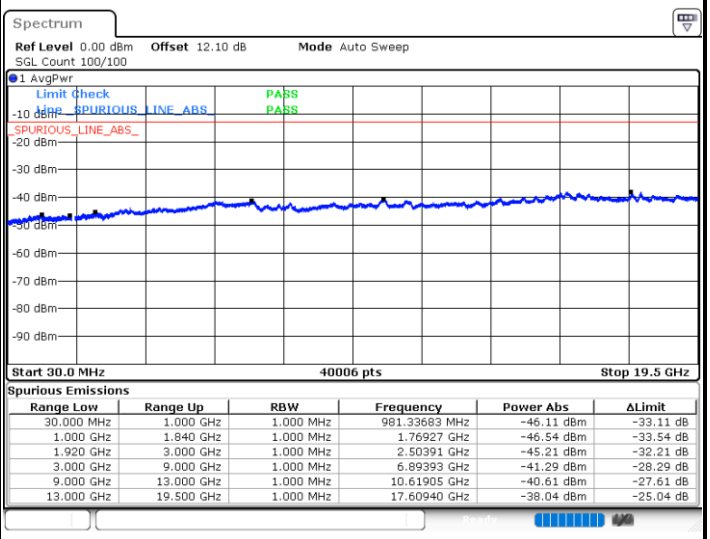


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-46.32 dBm	-33.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71301 GHz	-46.55 dBm	-33.55 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50606 GHz	-45.07 dBm	-32.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.07399 GHz	-41.36 dBm	-28.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60605 GHz	-40.65 dBm	-27.65 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77104 GHz	-37.94 dBm	-24.94 dB

Date: 22.SEP.2020 21:19:04

Highest Channel / 16QAM



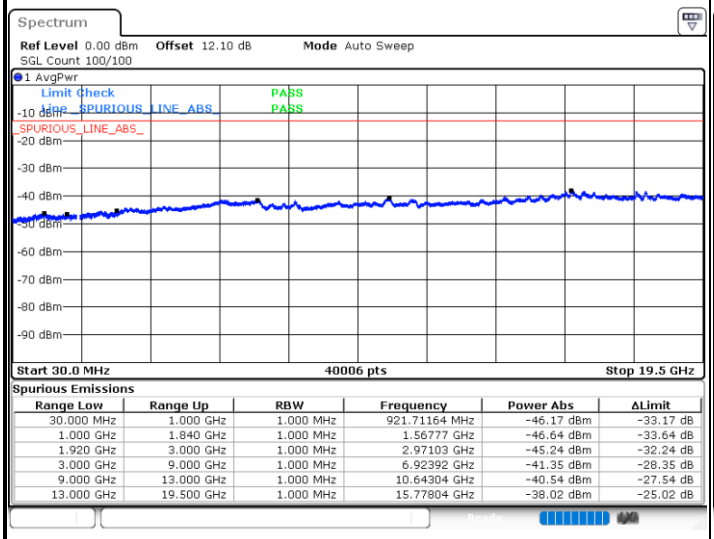
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-46.11 dBm	-33.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76927 GHz	-46.54 dBm	-33.54 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50391 GHz	-45.21 dBm	-32.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.89393 GHz	-41.29 dBm	-28.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61905 GHz	-40.61 dBm	-27.61 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60940 GHz	-38.04 dBm	-25.04 dB

Date: 22.SEP.2020 21:19:44

LTE Band 2 / 20MHz

Lowest Channel / QPSK

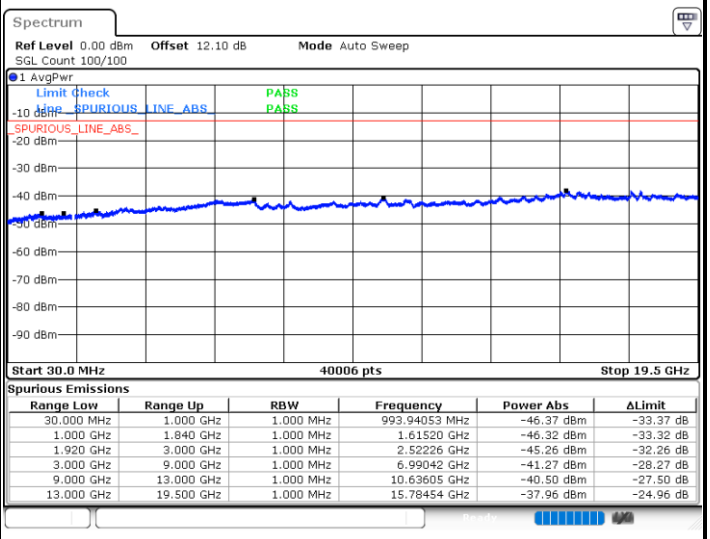


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-46.17 dBm	-33.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.56777 GHz	-46.64 dBm	-33.64 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97103 GHz	-45.24 dBm	-32.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92392 GHz	-41.35 dBm	-28.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64304 GHz	-40.54 dBm	-27.54 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77804 GHz	-38.02 dBm	-25.02 dB

Date: 22.SEP.2020 21:25:13

Lowest Channel / 16QAM



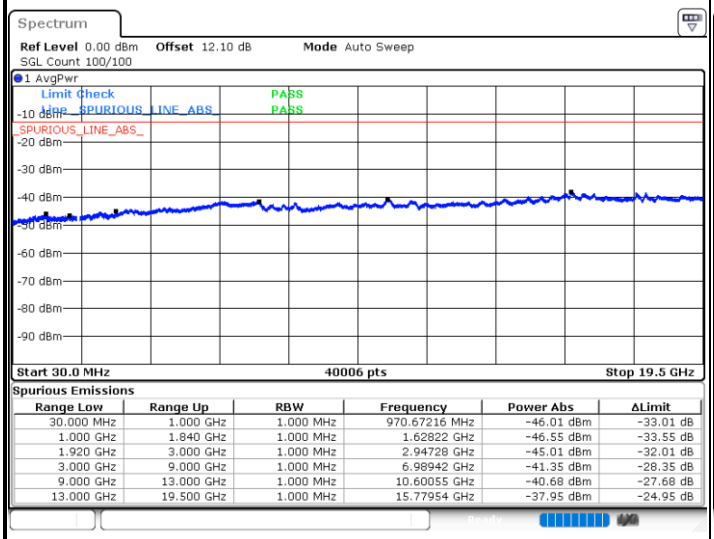
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-46.37 dBm	-33.37 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61520 GHz	-46.32 dBm	-33.32 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52226 GHz	-45.26 dBm	-32.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-41.27 dBm	-28.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63605 GHz	-40.50 dBm	-27.50 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78454 GHz	-37.96 dBm	-24.96 dB

Date: 22.SEP.2020 21:25:54

LTE Band 2 / 20MHz

Middle Channel / QPSK

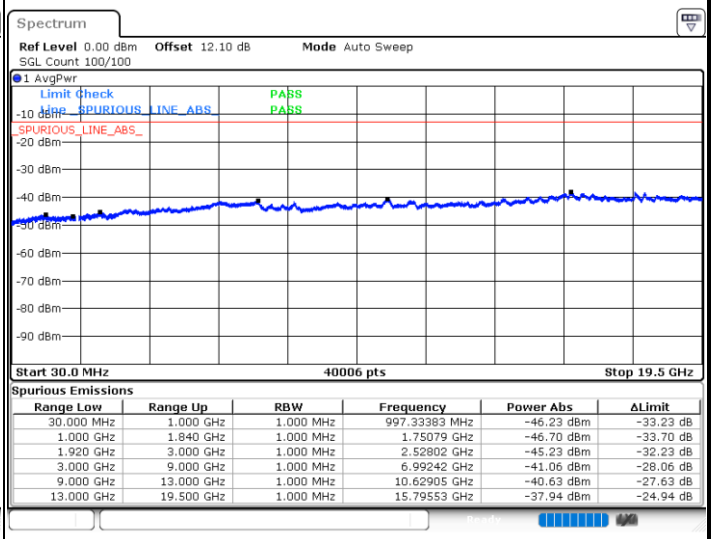


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.67216 MHz	-46.01 dBm	-33.01 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62822 GHz	-46.55 dBm	-33.55 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94728 GHz	-45.01 dBm	-32.01 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-41.35 dBm	-28.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60055 GHz	-40.68 dBm	-27.68 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77954 GHz	-37.95 dBm	-24.95 dB

Date: 22.SEP.2020 21:27:20

Middle Channel / 16QAM

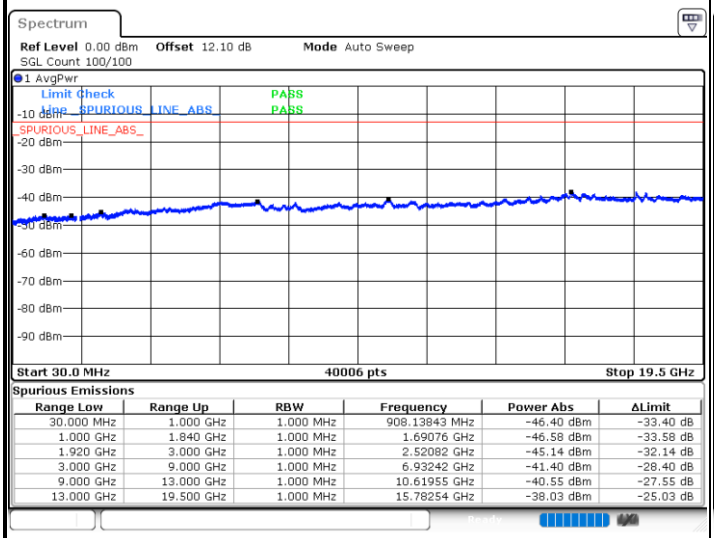


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-46.23 dBm	-33.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75079 GHz	-46.70 dBm	-33.70 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52802 GHz	-45.23 dBm	-32.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99242 GHz	-41.06 dBm	-28.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62905 GHz	-40.63 dBm	-27.63 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.79553 GHz	-37.94 dBm	-24.94 dB

Date: 22.SEP.2020 21:28:00

Highest Channel / QPSK

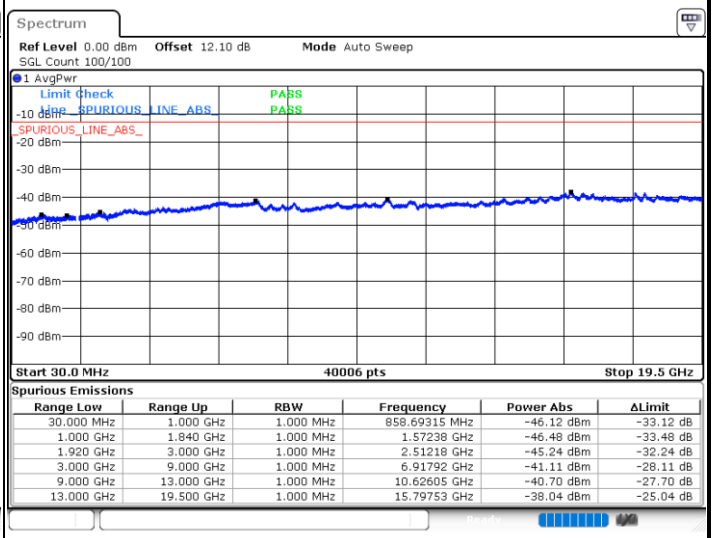


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.13843 MHz	-46.40 dBm	-33.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69076 GHz	-46.58 dBm	-33.58 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52082 GHz	-45.14 dBm	-32.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93242 GHz	-41.40 dBm	-28.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61955 GHz	-40.55 dBm	-27.55 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78254 GHz	-38.03 dBm	-25.03 dB

Date: 22.SEP.2020 21:33:28

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	858.69315 MHz	-46.12 dBm	-33.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.57238 GHz	-46.48 dBm	-33.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51218 GHz	-45.24 dBm	-32.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91792 GHz	-41.11 dBm	-28.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62605 GHz	-40.70 dBm	-27.70 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.79753 GHz	-38.04 dBm	-25.04 dB

Date: 22.SEP.2020 21:34:09

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	0.0097	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0097	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0086	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0030	
20	Normal Voltage	0.0097	
20	Battery End Point	0.0059	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

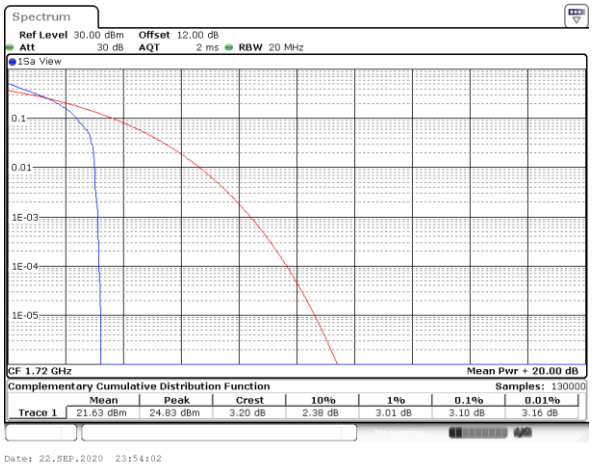
LTE Band 4

Peak-to-Average Ratio

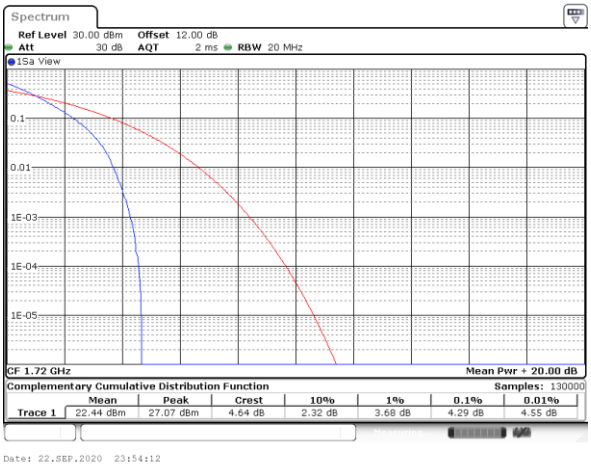
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.10	4.29	4.41	5.54	PASS
Middle CH	3.39	4.38	5.01	5.59	
Highest CH	3.48	4.43	5.04	5.59	

LTE Band 4 / 20MHz / QPSK

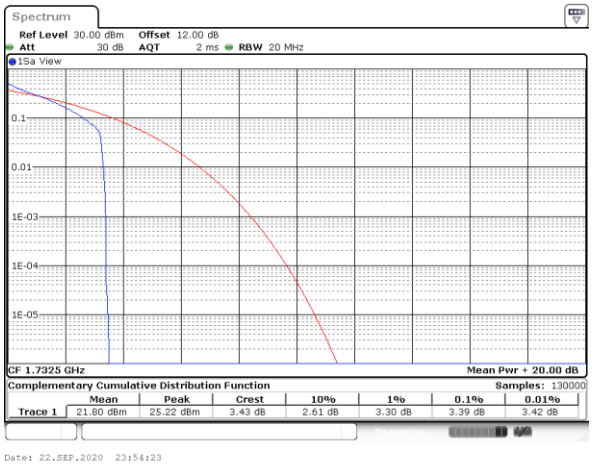
Lowest Channel / 1RB



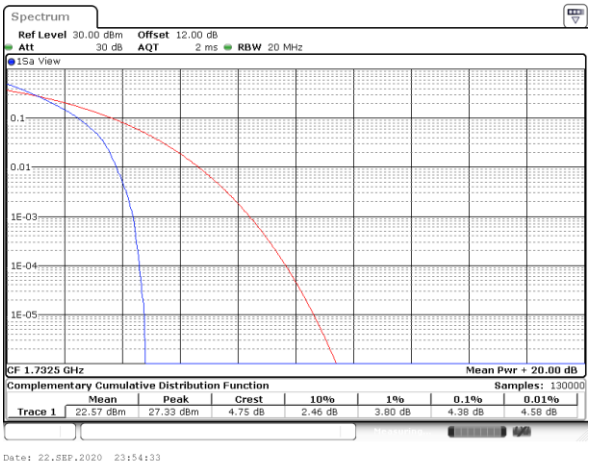
Lowest Channel / Full RB



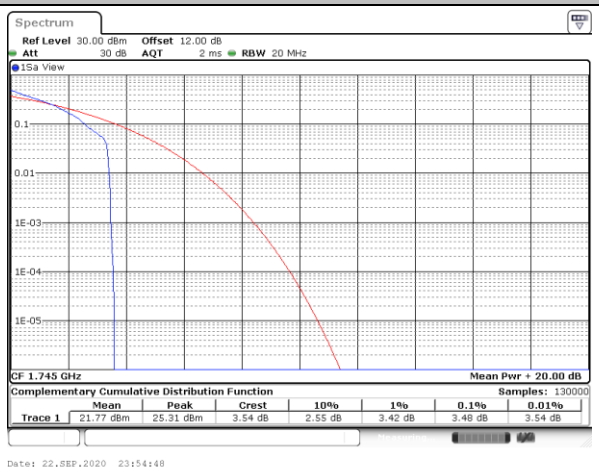
Middle Channel / 1RB



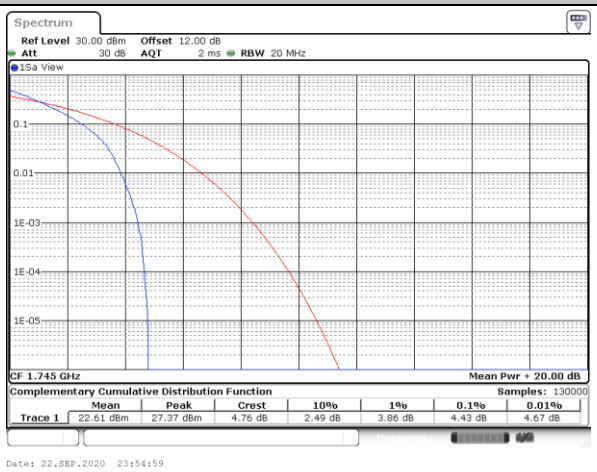
Middle Channel / Full RB



Highest Channel / 1RB

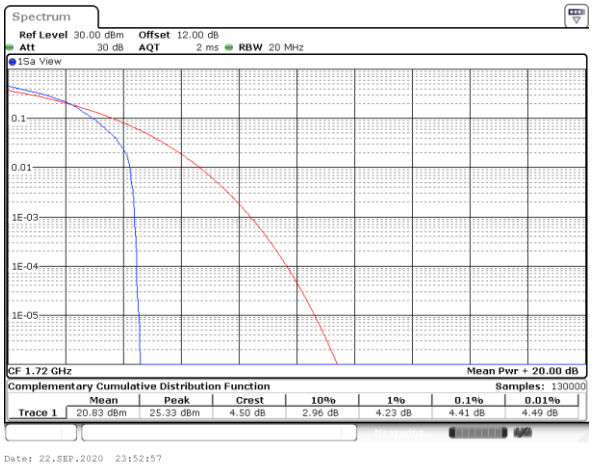


Highest Channel / Full RB

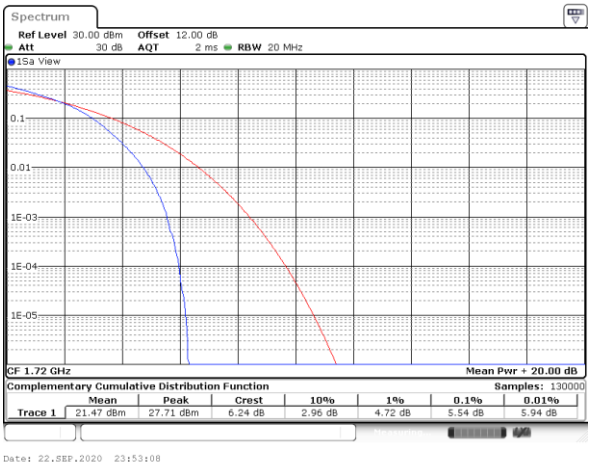


LTE Band 4 / 20MHz / 16QAM

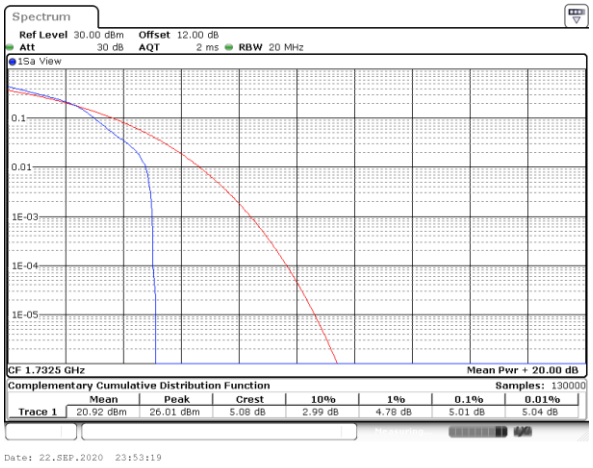
Lowest Channel / 1RB



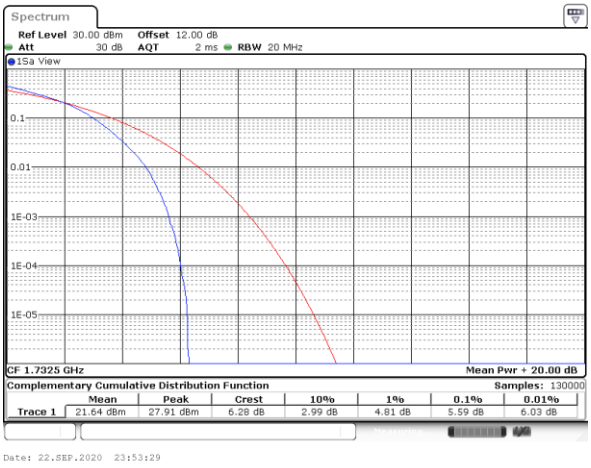
Lowest Channel / Full RB



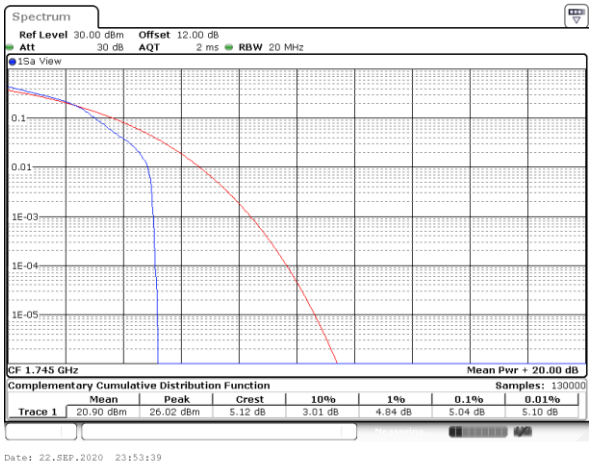
Middle Channel / 1RB



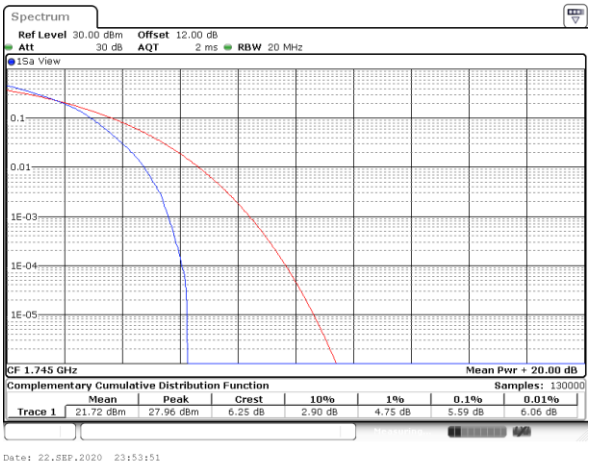
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

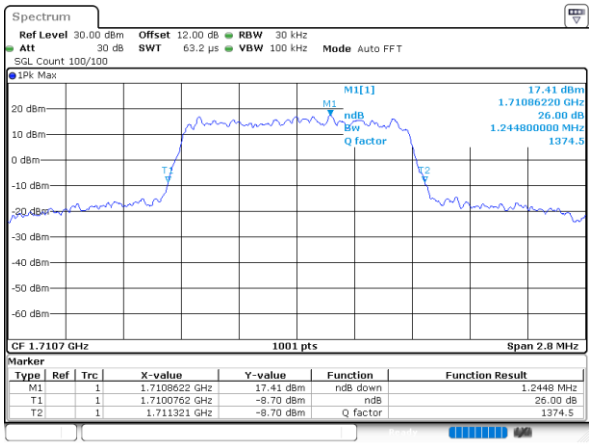


26dB Bandwidth

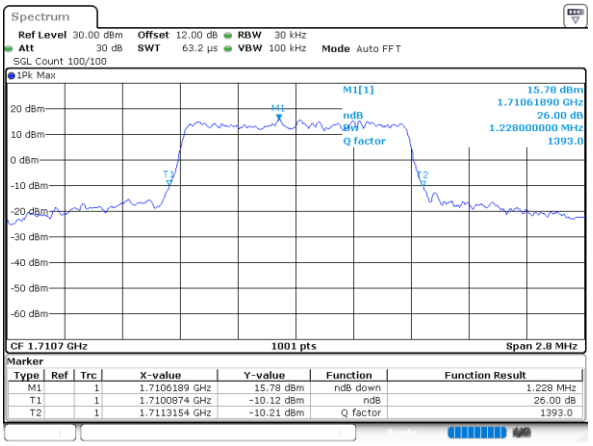
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.23	3.07	3.06	4.89	4.86	9.89	9.91	14.36	14.45	19.30	19.14
Middle CH	1.24	1.23	3.07	3.01	4.90	4.91	9.69	9.71	14.27	14.51	18.78	18.98
Highest CH	1.24	1.23	3.04	2.92	4.89	4.92	9.77	9.71	14.42	14.33	18.74	18.98

LTE Band 4

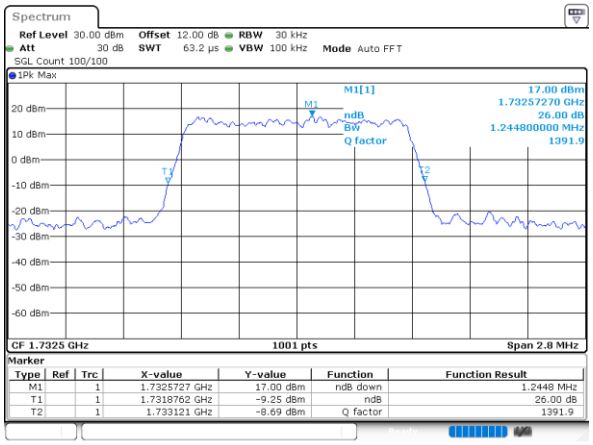
Lowest Channel / 1.4MHz / QPSK



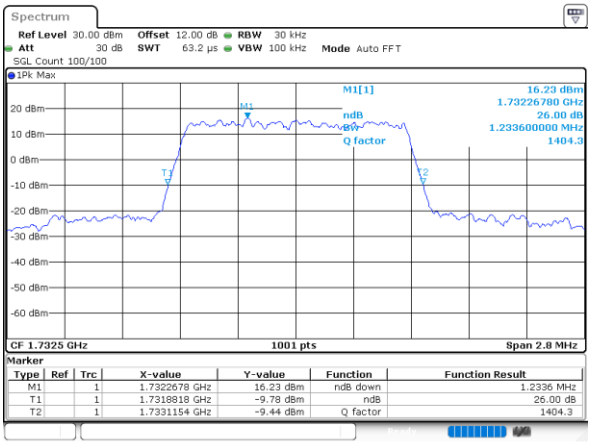
Lowest Channel / 1.4MHz / 16QAM



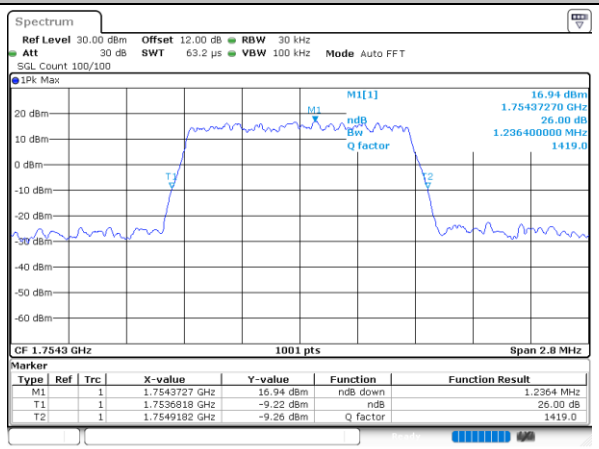
Middle Channel / 1.4MHz / QPSK



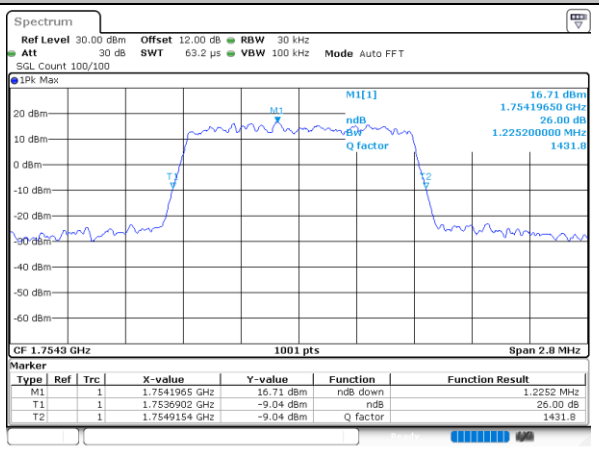
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

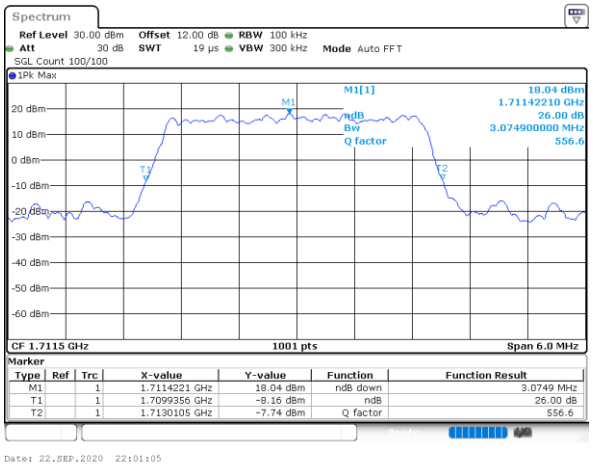


Highest Channel / 1.4MHz / 16QAM

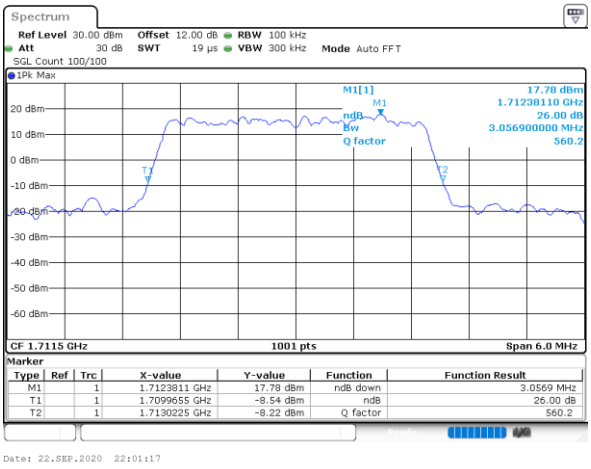


LTE Band 4

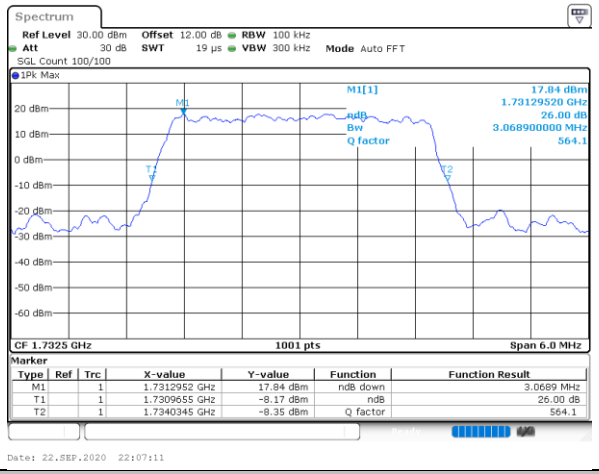
Lowest Channel / 3MHz / QPSK



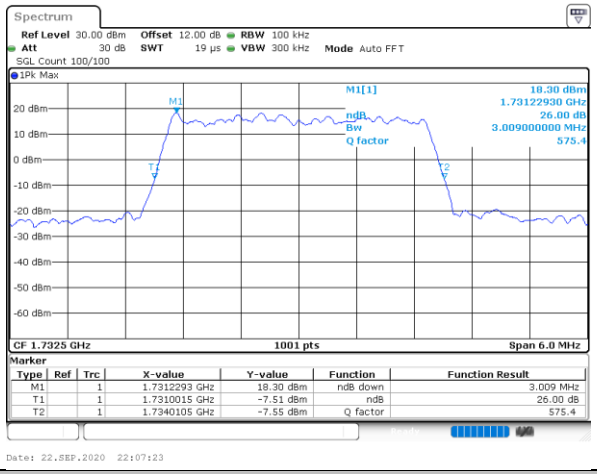
Lowest Channel / 3MHz / 16QAM



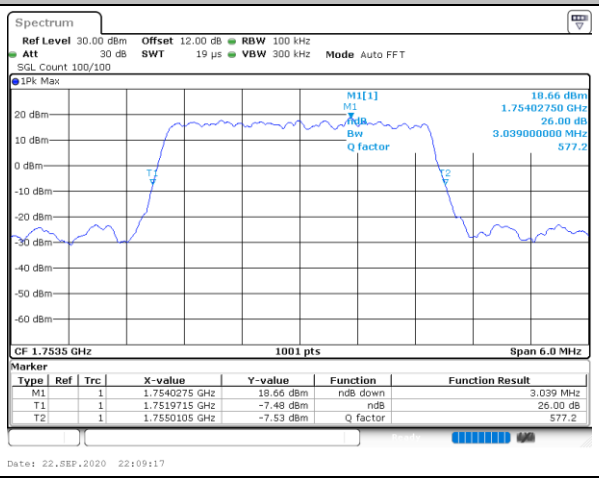
Middle Channel / 3MHz / QPSK



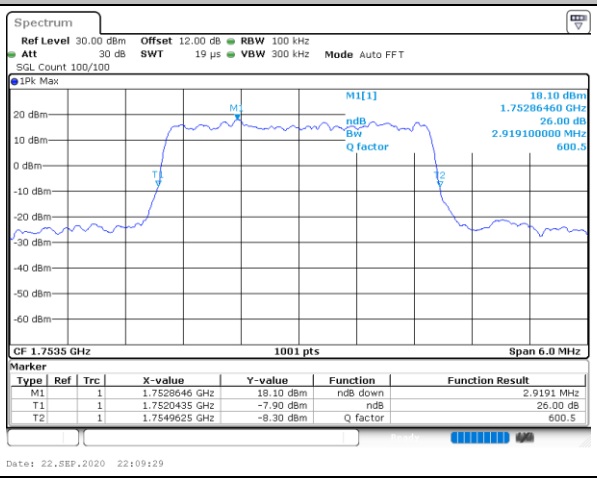
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

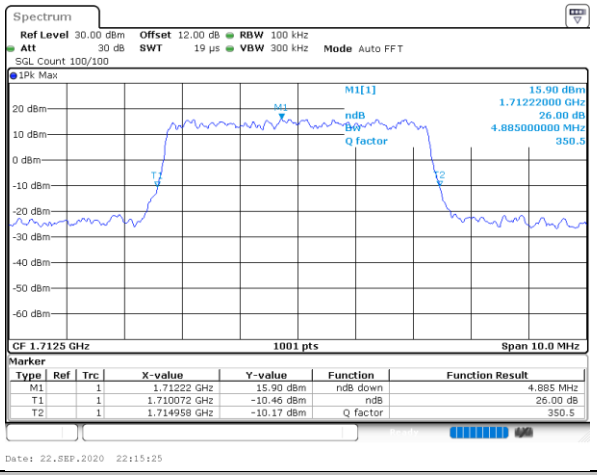


Highest Channel / 3MHz / 16QAM

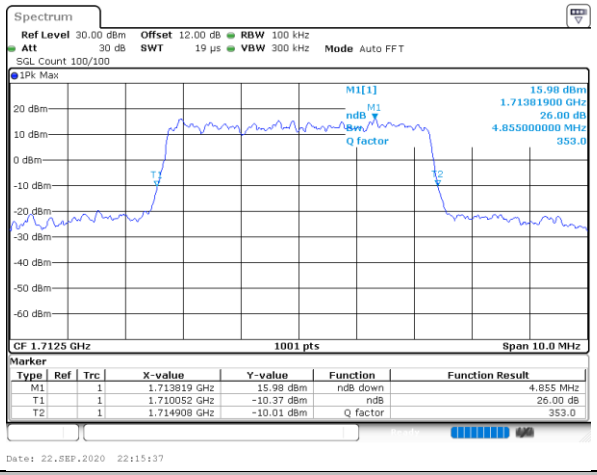


LTE Band 4

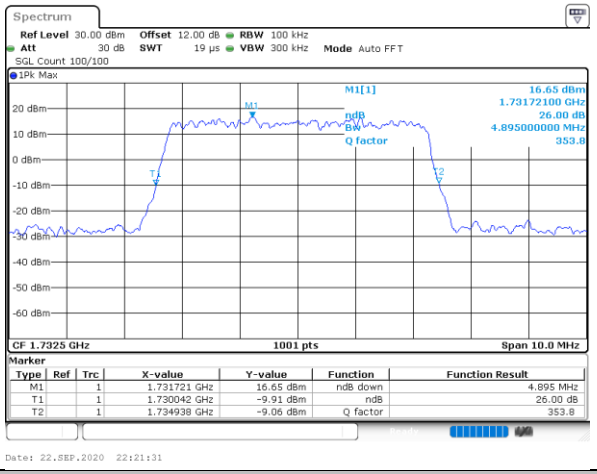
Lowest Channel / 5MHz / QPSK



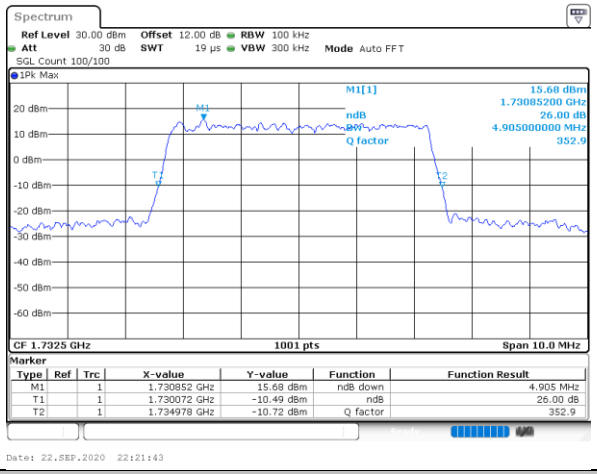
Lowest Channel / 5MHz / 16QAM



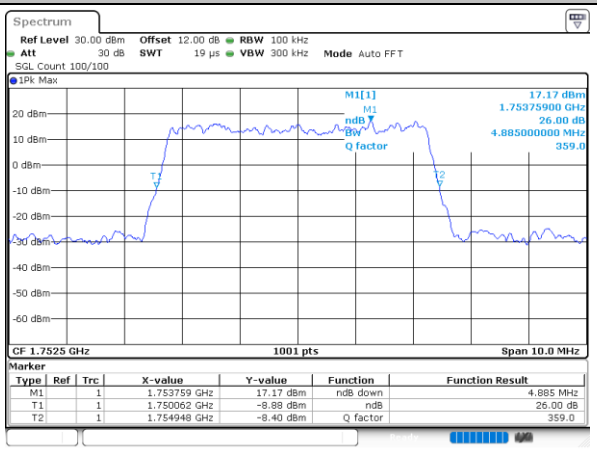
Middle Channel / 5MHz / QPSK



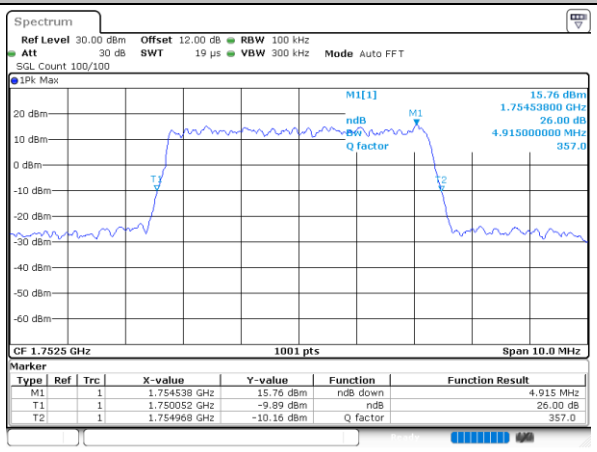
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

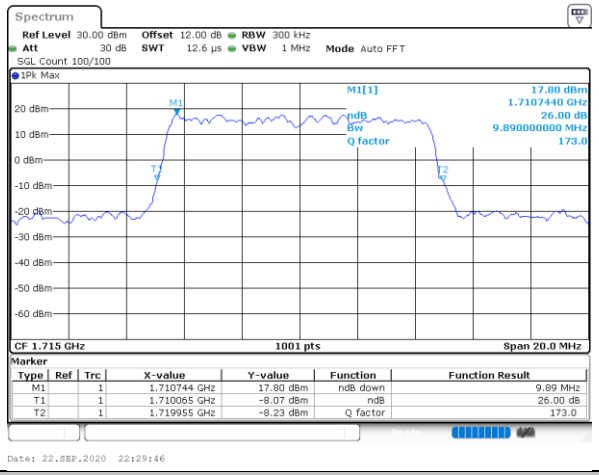


Highest Channel / 5MHz / 16QAM

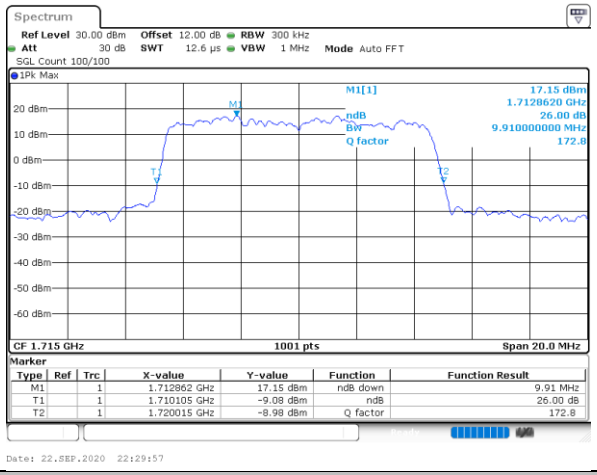


LTE Band 4

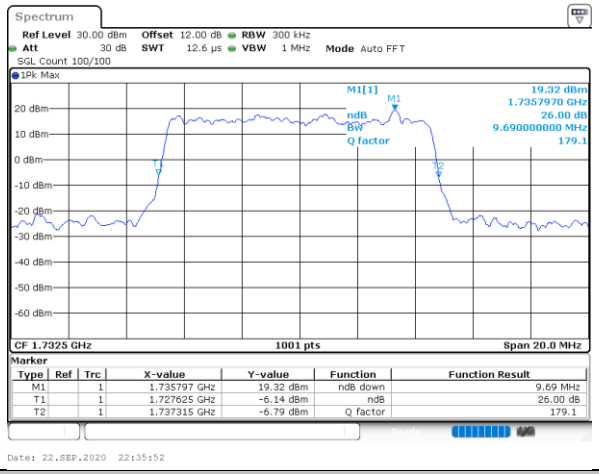
Lowest Channel / 10MHz / QPSK



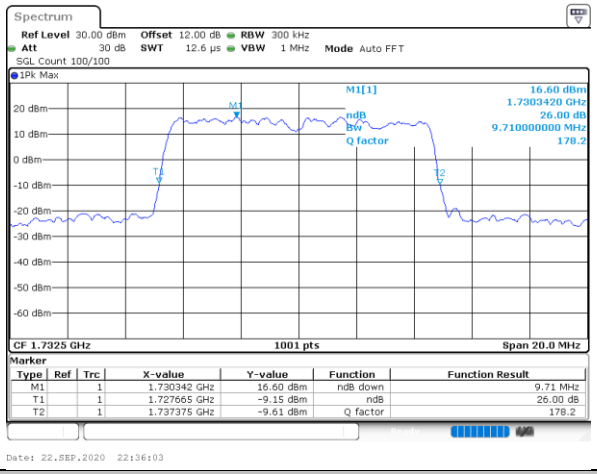
Lowest Channel / 10MHz / 16QAM



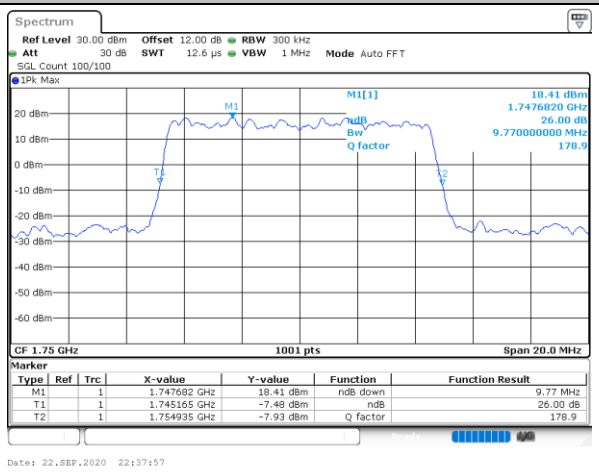
Middle Channel / 10MHz / QPSK



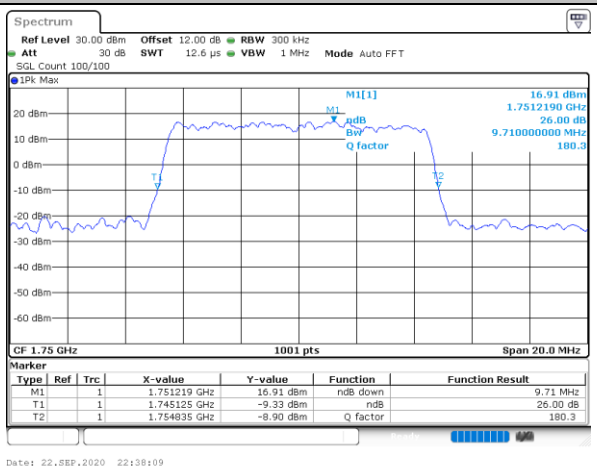
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

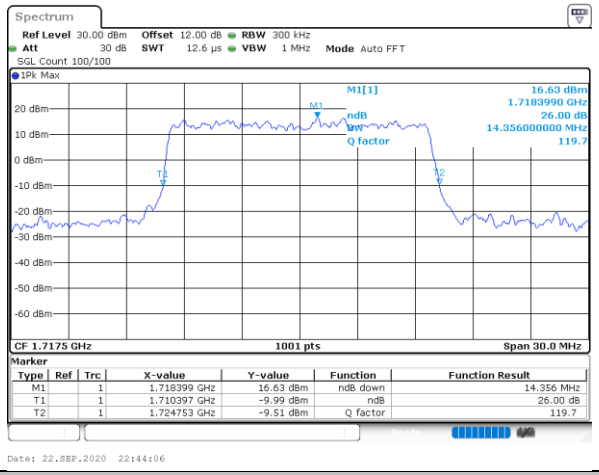


Highest Channel / 10MHz / 16QAM

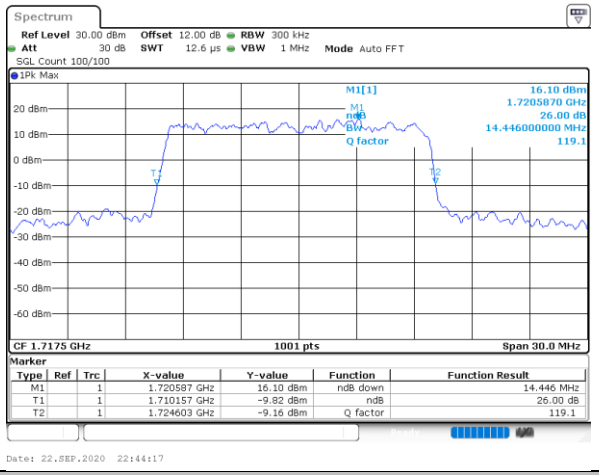


LTE Band 4

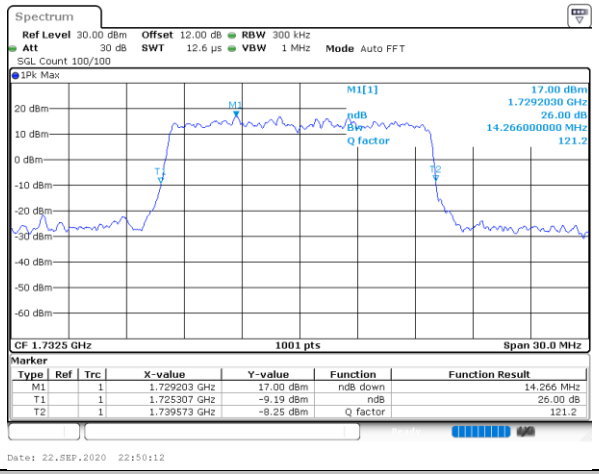
Lowest Channel / 15MHz / QPSK



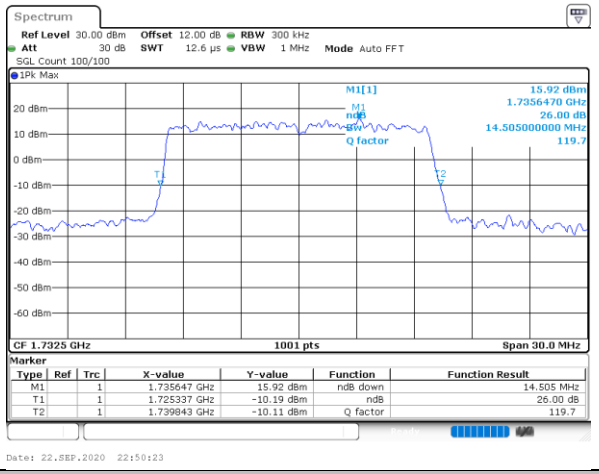
Lowest Channel / 15MHz / 16QAM



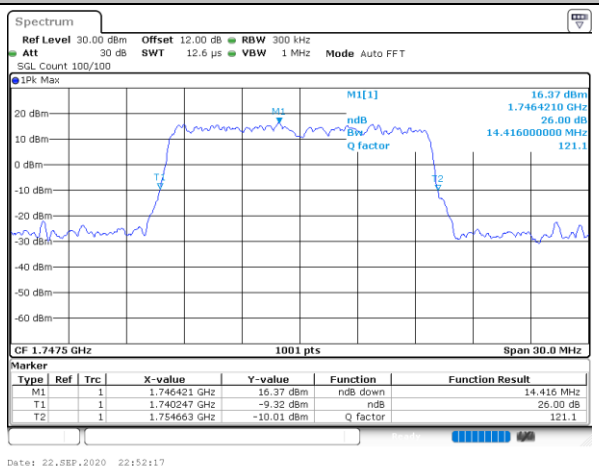
Middle Channel / 15MHz / QPSK



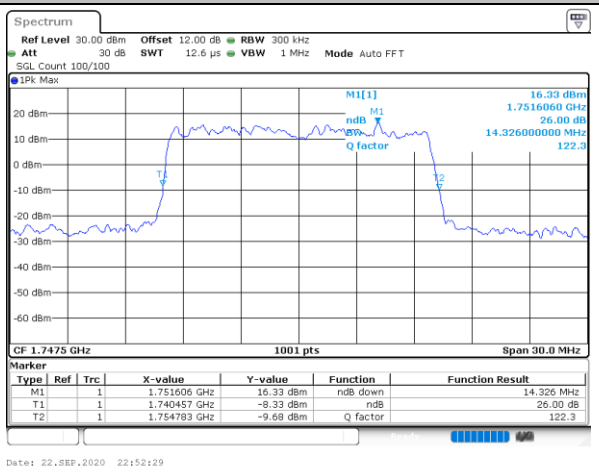
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

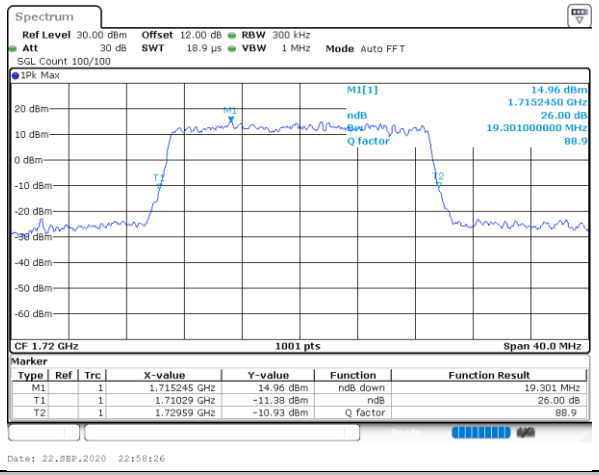


Highest Channel / 15MHz / 16QAM

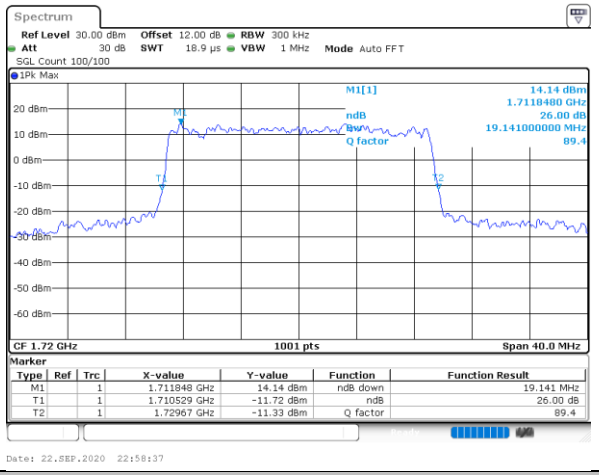


LTE Band 4

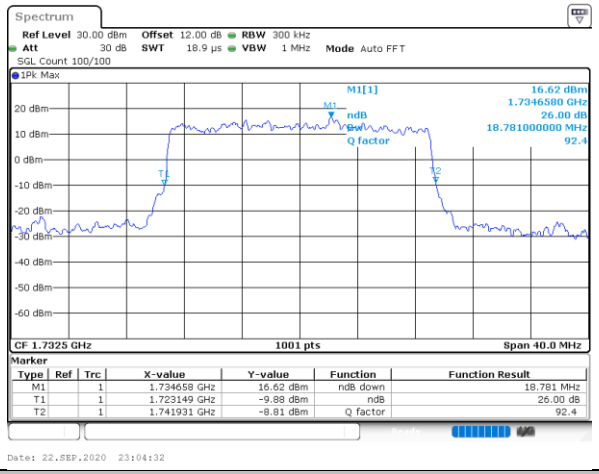
Lowest Channel / 20MHz / QPSK



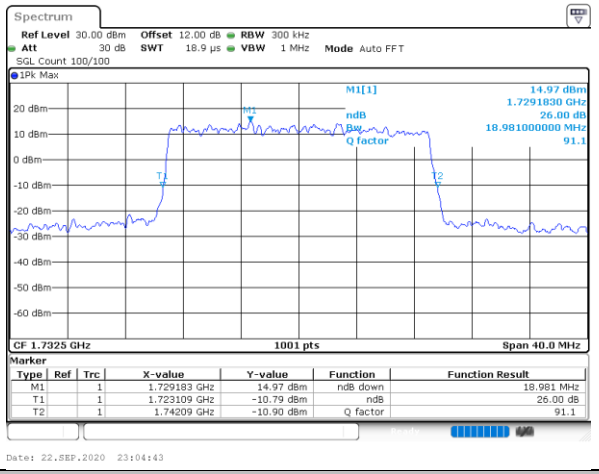
Lowest Channel / 20MHz / 16QAM



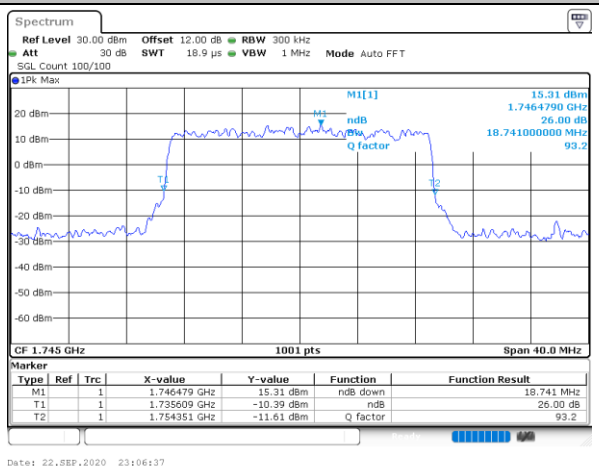
Middle Channel / 20MHz / QPSK



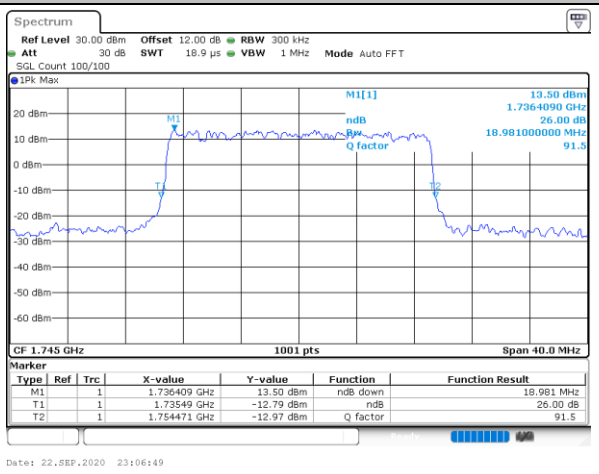
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



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	1.10	1.09	2.72	2.73	4.49	4.49	9.03	9.03	13.43	13.43	17.86	17.94
Middle CH	1.09	1.10	2.70	2.72	4.50	4.49	9.09	8.97	13.46	13.37	17.86	17.82
Highest CH	1.09	1.09	2.72	2.72	4.49	4.48	9.07	9.07	13.55	13.52	17.86	17.82