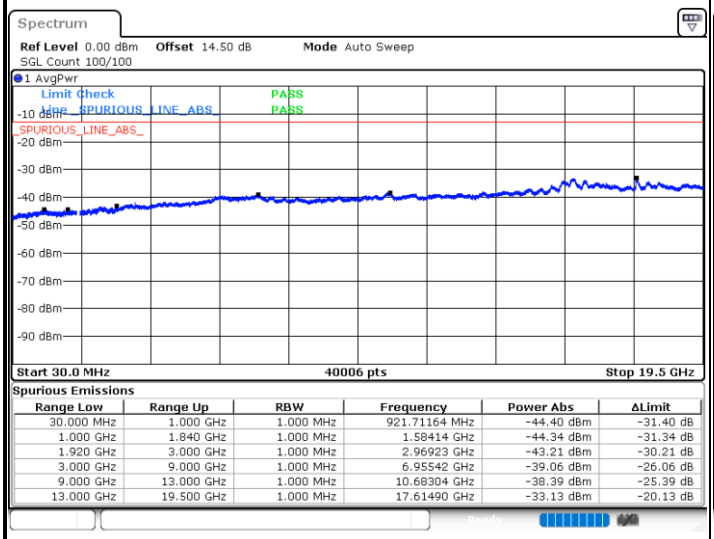
LTE Band 2 / 5MHz

Highest Channel / QPSK

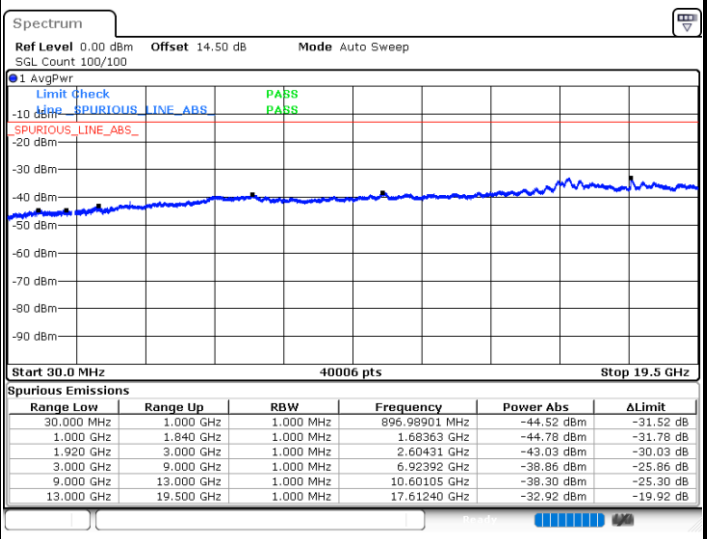


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-44.40 dBm	-31.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58414 GHz	-44.34 dBm	-31.34 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96923 GHz	-43.21 dBm	-30.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95542 GHz	-39.06 dBm	-26.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.68304 GHz	-38.39 dBm	-25.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61490 GHz	-33.13 dBm	-20.13 dB

Date: 23.NOV.2022 19:16:12

Highest Channel / 16QAM



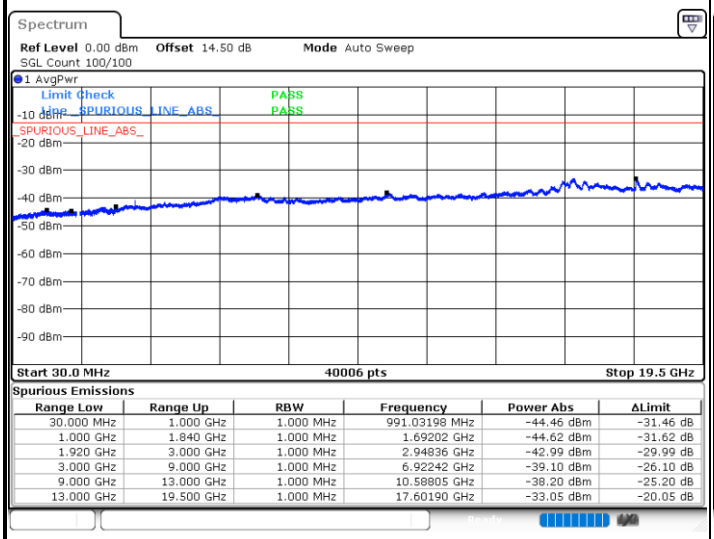
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.98901 MHz	-44.52 dBm	-31.52 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68363 GHz	-44.78 dBm	-31.78 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.60431 GHz	-43.03 dBm	-30.03 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92392 GHz	-38.86 dBm	-25.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60105 GHz	-38.30 dBm	-25.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61240 GHz	-32.92 dBm	-19.92 dB

Date: 23.NOV.2022 19:17:36

LTE Band 2 / 10MHz

Lowest Channel / QPSK

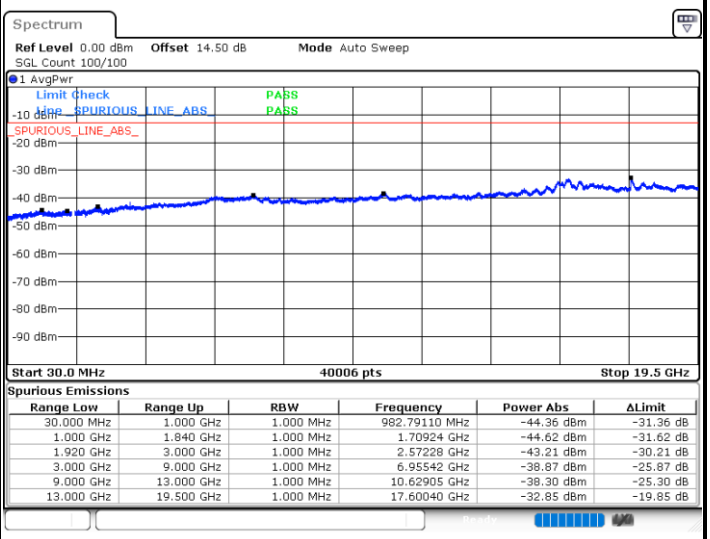


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-44.46 dBm	-31.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69202 GHz	-44.62 dBm	-31.62 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94836 GHz	-42.99 dBm	-29.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92242 GHz	-39.10 dBm	-26.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58805 GHz	-38.20 dBm	-25.20 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60190 GHz	-33.05 dBm	-20.05 dB

Date: 23.NOV.2022 19:26:04

Lowest Channel / 16QAM



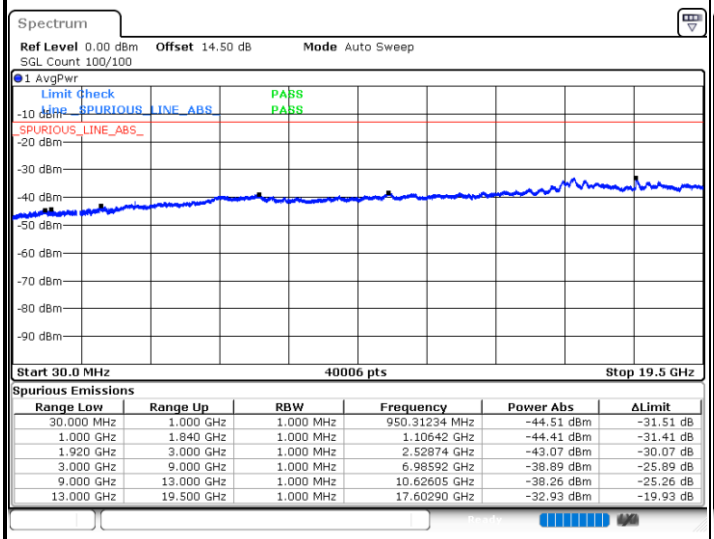
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.79110 MHz	-44.36 dBm	-31.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.70924 GHz	-44.62 dBm	-31.62 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.57228 GHz	-43.21 dBm	-30.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95542 GHz	-38.87 dBm	-25.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62905 GHz	-38.30 dBm	-25.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60040 GHz	-32.85 dBm	-19.85 dB

Date: 23.NOV.2022 19:27:27

LTE Band 2 / 10MHz

Middle Channel / QPSK

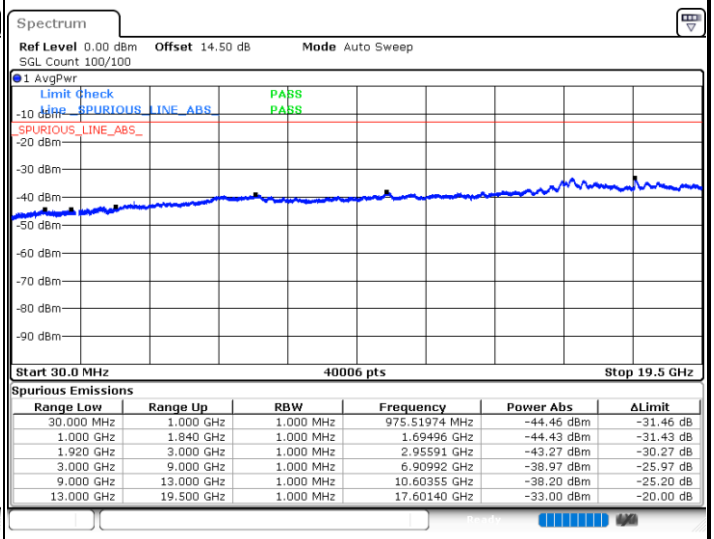


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-44.51 dBm	-31.51 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.10642 GHz	-44.41 dBm	-31.41 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52874 GHz	-43.07 dBm	-30.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98592 GHz	-38.89 dBm	-25.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62605 GHz	-38.26 dBm	-25.26 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60290 GHz	-32.93 dBm	-19.93 dB

Date: 23.NOV.2022 19:30:24

Middle Channel / 16QAM

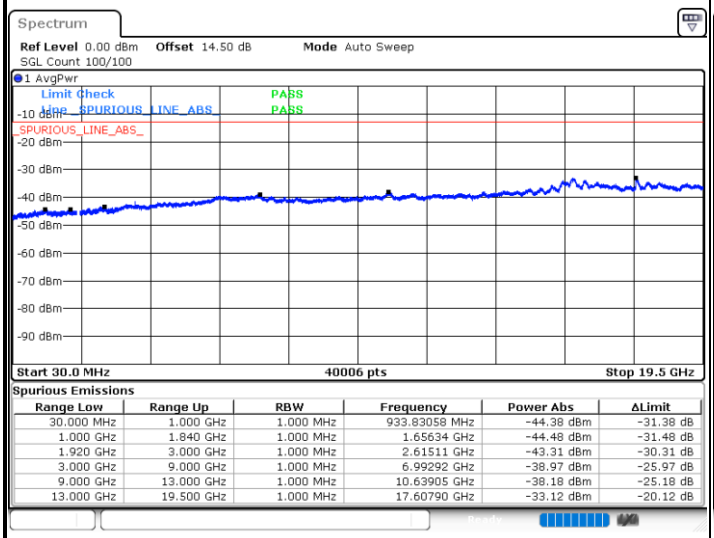


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.51974 MHz	-44.46 dBm	-31.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69496 GHz	-44.43 dBm	-31.43 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95591 GHz	-43.27 dBm	-30.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90992 GHz	-38.97 dBm	-25.97 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60355 GHz	-38.20 dBm	-25.20 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60140 GHz	-33.00 dBm	-20.00 dB

Date: 23.NOV.2022 19:31:46

Highest Channel / QPSK

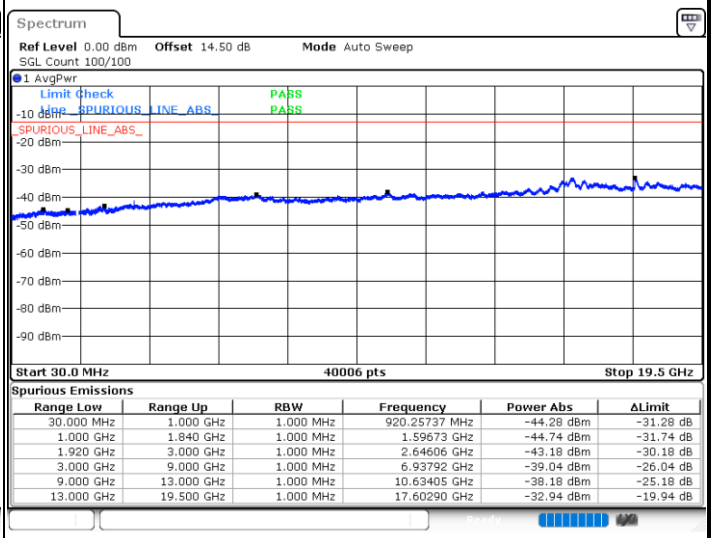


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-44.38 dBm	-31.38 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65634 GHz	-44.48 dBm	-31.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.61511 GHz	-43.31 dBm	-30.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99292 GHz	-38.97 dBm	-25.97 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63905 GHz	-38.18 dBm	-25.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60790 GHz	-33.12 dBm	-20.12 dB

Date: 23.NOV.2022 19:40:15

Highest Channel / 16QAM



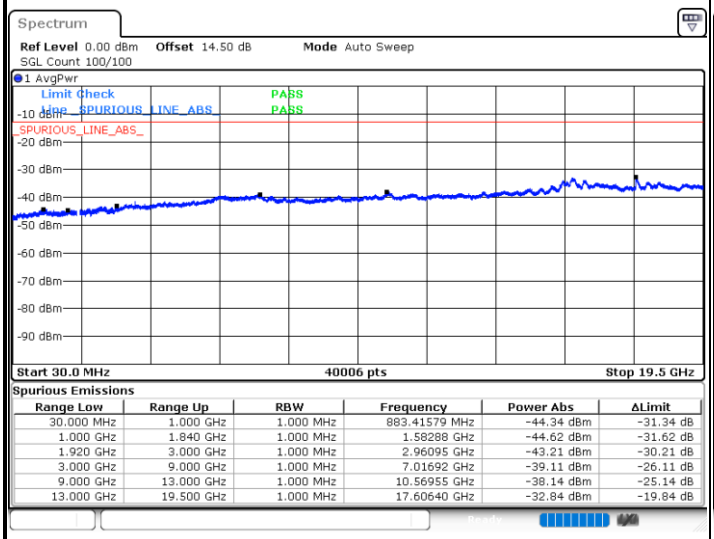
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.25737 MHz	-44.28 dBm	-31.28 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59673 GHz	-44.74 dBm	-31.74 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64606 GHz	-43.18 dBm	-30.18 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93792 GHz	-39.04 dBm	-26.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63405 GHz	-38.18 dBm	-25.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60290 GHz	-32.94 dBm	-19.94 dB

Date: 23.NOV.2022 19:41:38

LTE Band 2 / 15MHz

Lowest Channel / QPSK

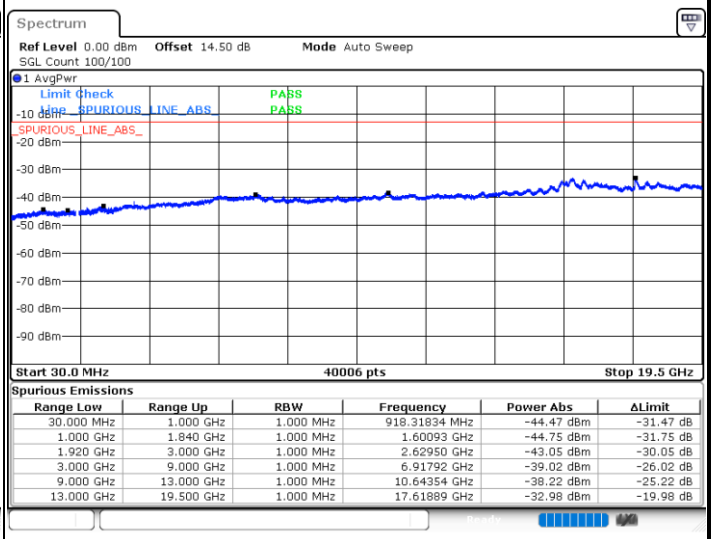


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	883.41579 MHz	-44.34 dBm	-31.34 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58288 GHz	-44.62 dBm	-31.62 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96095 GHz	-43.21 dBm	-30.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.01692 GHz	-39.11 dBm	-26.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56955 GHz	-38.14 dBm	-25.14 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60640 GHz	-32.84 dBm	-19.84 dB

Date: 23.NOV.2022 19:50:07

Lowest Channel / 16QAM

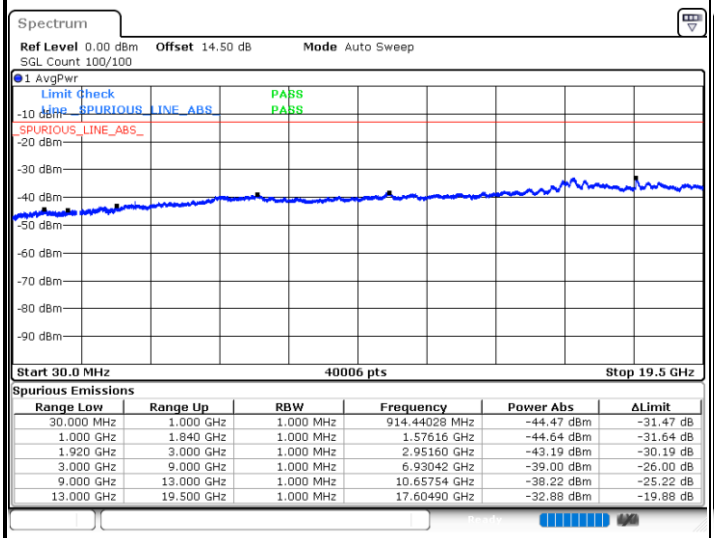


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.31834 MHz	-44.47 dBm	-31.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60093 GHz	-44.75 dBm	-31.75 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62950 GHz	-43.05 dBm	-30.05 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91792 GHz	-39.02 dBm	-26.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64354 GHz	-38.22 dBm	-25.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61889 GHz	-32.98 dBm	-19.98 dB

Date: 23.NOV.2022 19:51:29

Middle Channel / QPSK

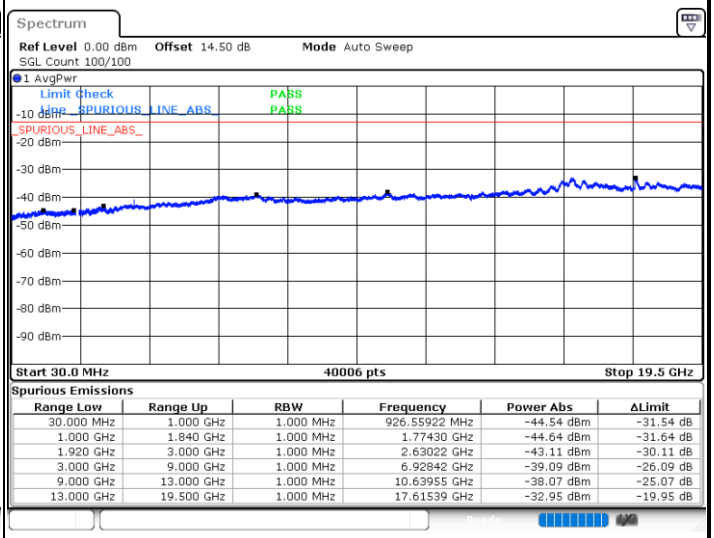


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-44.47 dBm	-31.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.57616 GHz	-44.64 dBm	-31.64 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95160 GHz	-43.19 dBm	-30.19 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93042 GHz	-39.00 dBm	-26.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65754 GHz	-38.22 dBm	-25.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60490 GHz	-32.88 dBm	-19.88 dB

Date: 23.NOV.2022 19:54:26

Middle Channel / 16QAM



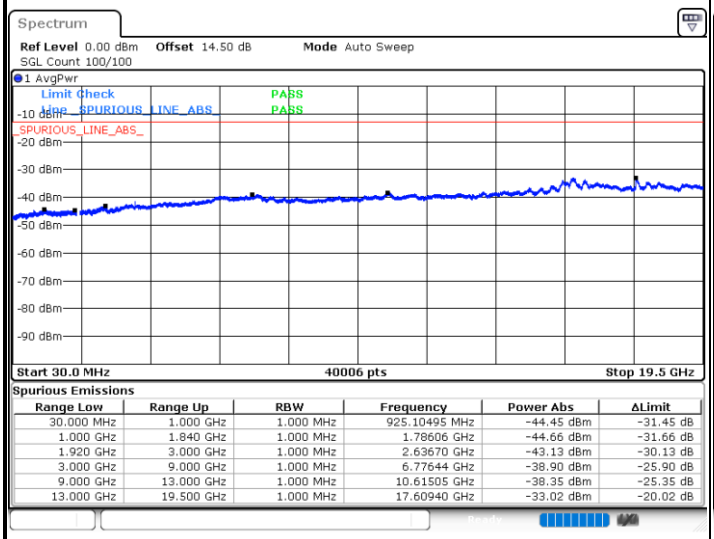
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.55922 MHz	-44.54 dBm	-31.54 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77430 GHz	-44.64 dBm	-31.64 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63022 GHz	-43.11 dBm	-30.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92842 GHz	-39.09 dBm	-26.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63955 GHz	-38.07 dBm	-25.07 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61539 GHz	-32.95 dBm	-19.95 dB

Date: 23.NOV.2022 19:55:48

LTE Band 2 / 15MHz

Highest Channel / QPSK

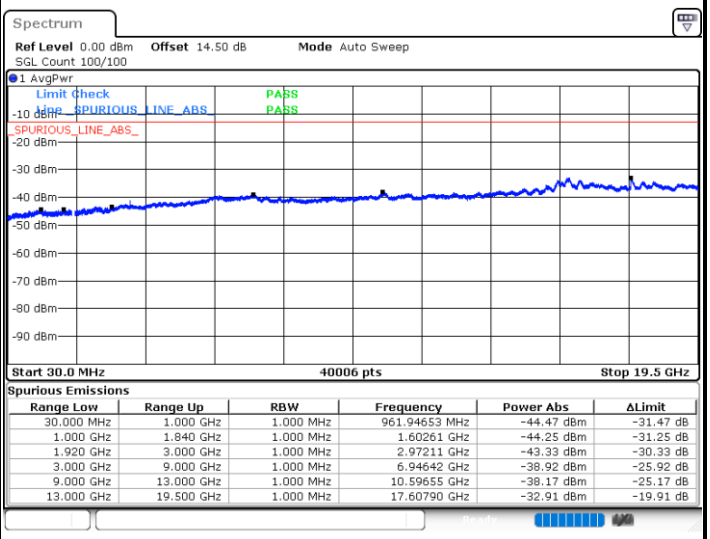


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-44.45 dBm	-31.45 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78606 GHz	-44.66 dBm	-31.66 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63670 GHz	-43.13 dBm	-30.13 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.77644 GHz	-38.90 dBm	-25.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61505 GHz	-38.35 dBm	-25.35 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60940 GHz	-33.02 dBm	-20.02 dB

Date: 23.NOV.2022 20:04:16

Highest Channel / 16QAM



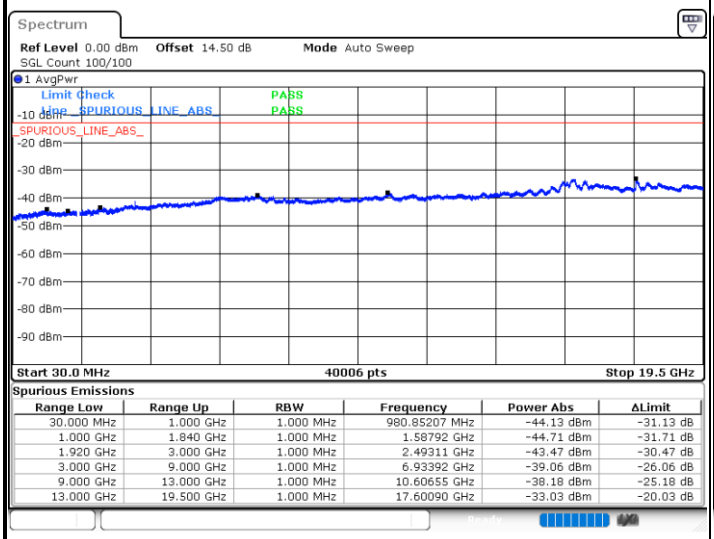
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-44.47 dBm	-31.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60261 GHz	-44.25 dBm	-31.25 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97211 GHz	-43.33 dBm	-30.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94642 GHz	-38.92 dBm	-25.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59655 GHz	-38.17 dBm	-25.17 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60790 GHz	-32.91 dBm	-19.91 dB

Date: 23.NOV.2022 20:05:39

LTE Band 2 / 20MHz

Lowest Channel / QPSK

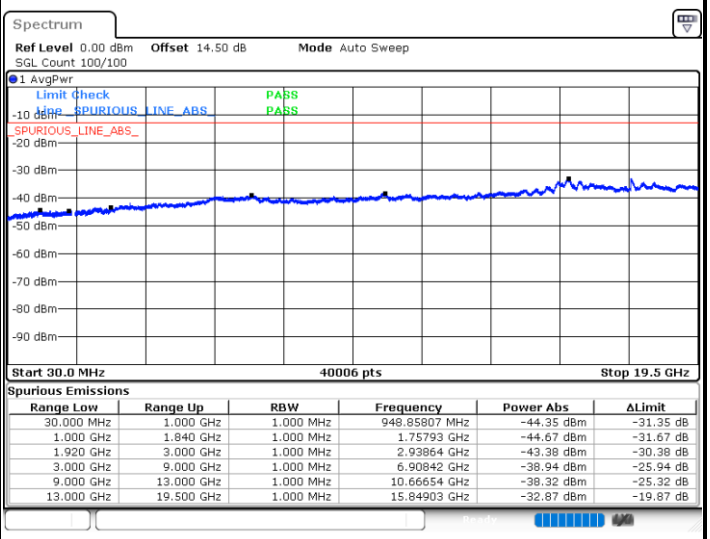


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-44.13 dBm	-31.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58792 GHz	-44.71 dBm	-31.71 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49311 GHz	-43.47 dBm	-30.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93392 GHz	-39.06 dBm	-26.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60655 GHz	-38.18 dBm	-25.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60090 GHz	-33.03 dBm	-20.03 dB

Date: 23.NOV.2022 20:14:08

Lowest Channel / 16QAM



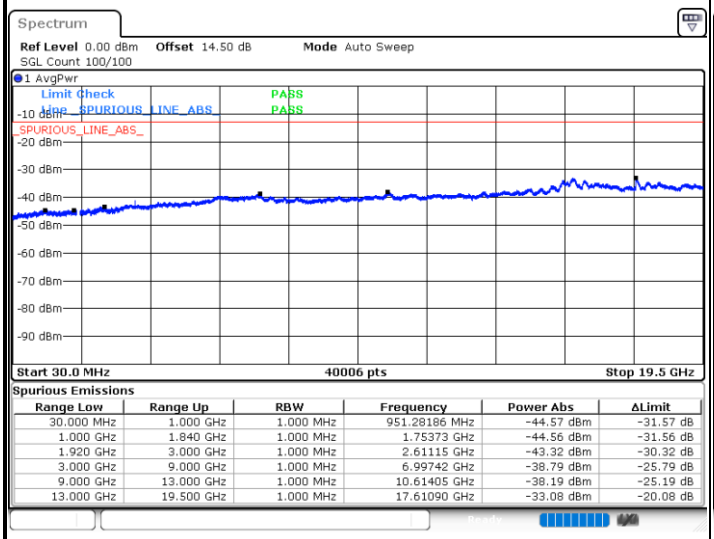
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-44.35 dBm	-31.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75793 GHz	-44.67 dBm	-31.67 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93864 GHz	-43.38 dBm	-30.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90842 GHz	-38.94 dBm	-25.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.66654 GHz	-38.32 dBm	-25.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.84903 GHz	-32.87 dBm	-19.87 dB

Date: 23.NOV.2022 20:15:31

LTE Band 2 / 20MHz

Middle Channel / QPSK

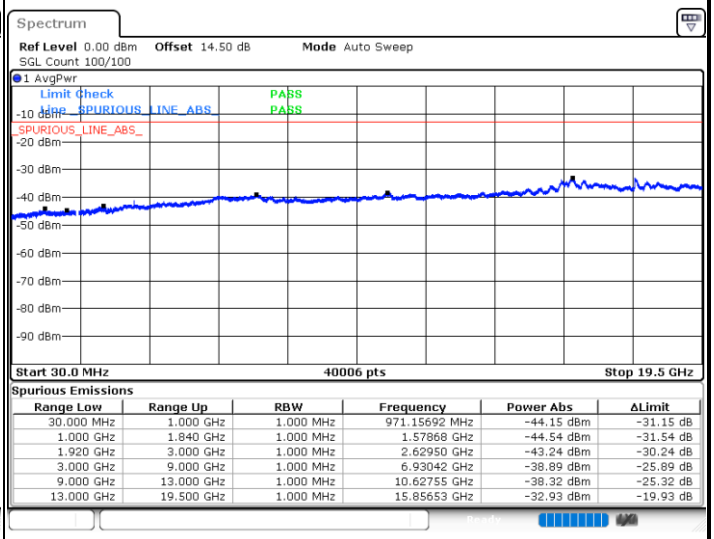


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-44.57 dBm	-31.57 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75373 GHz	-44.56 dBm	-31.56 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.61115 GHz	-43.32 dBm	-30.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99742 GHz	-38.79 dBm	-25.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61405 GHz	-38.19 dBm	-25.19 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61090 GHz	-33.08 dBm	-20.08 dB

Date: 23.NOV.2022 20:18:28

Middle Channel / 16QAM

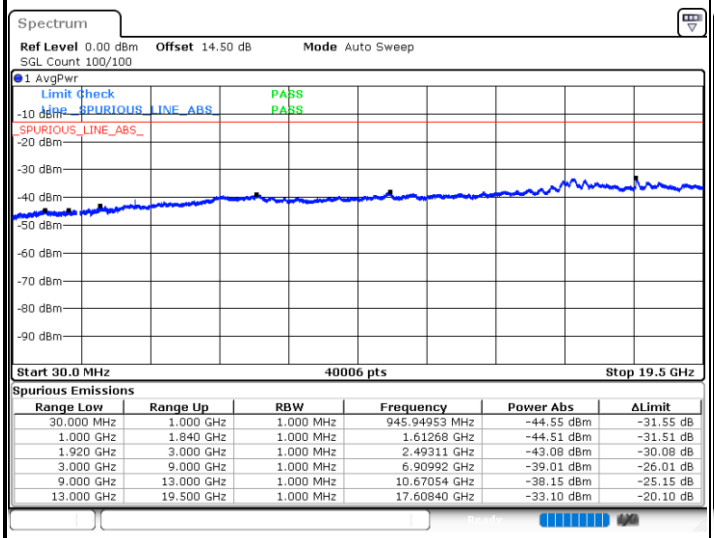


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-44.15 dBm	-31.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.57868 GHz	-44.54 dBm	-31.54 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62950 GHz	-43.24 dBm	-30.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93042 GHz	-38.89 dBm	-25.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62755 GHz	-38.32 dBm	-25.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.85653 GHz	-32.93 dBm	-19.93 dB

Date: 23.NOV.2022 20:19:50

Highest Channel / QPSK

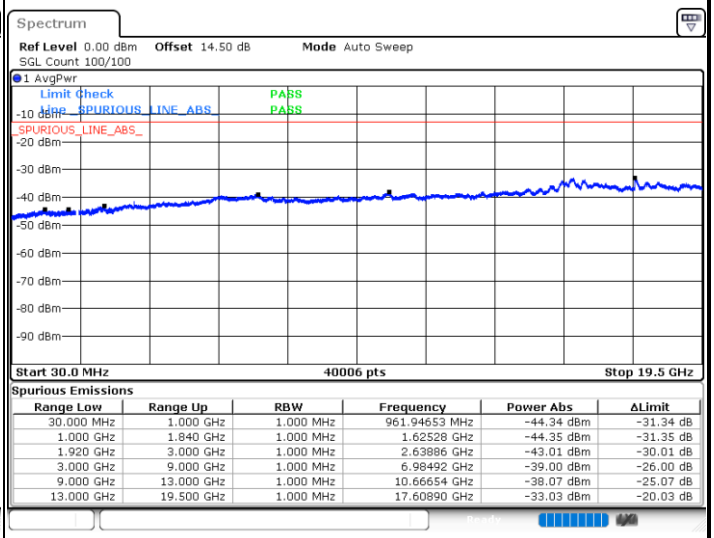


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.94953 MHz	-44.55 dBm	-31.55 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61268 GHz	-44.51 dBm	-31.51 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49311 GHz	-43.08 dBm	-30.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90992 GHz	-39.01 dBm	-26.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.67054 GHz	-38.15 dBm	-25.15 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60840 GHz	-33.10 dBm	-20.10 dB

Date: 23.NOV.2022 20:28:19

Highest Channel / 16QAM



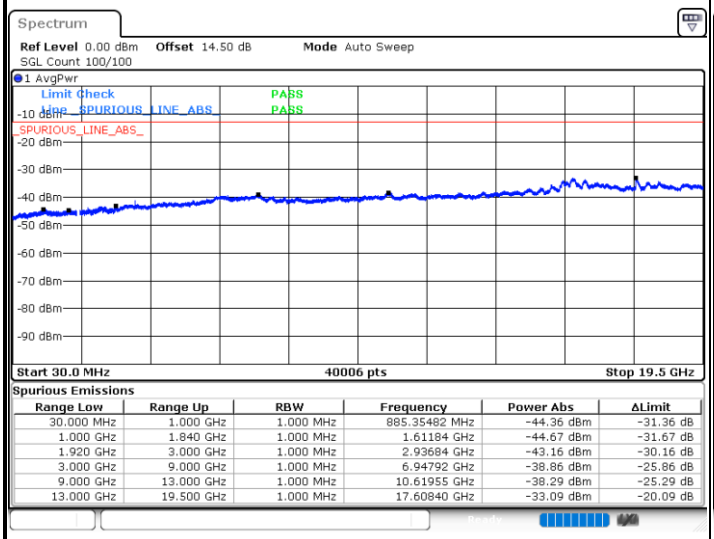
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-44.34 dBm	-31.34 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62528 GHz	-44.35 dBm	-31.35 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63886 GHz	-43.01 dBm	-30.01 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98492 GHz	-39.00 dBm	-26.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.66654 GHz	-38.07 dBm	-25.07 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60890 GHz	-33.03 dBm	-20.03 dB

Date: 23.NOV.2022 20:29:42

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

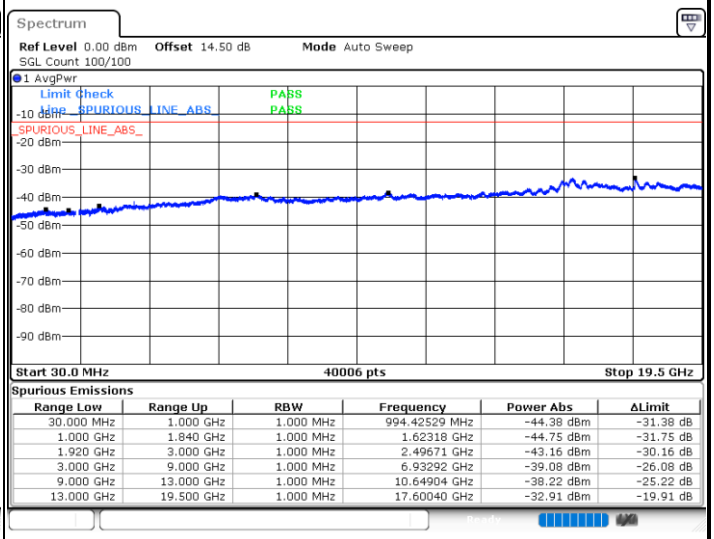


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	885.35482 MHz	-44.36 dBm	-31.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61184 GHz	-44.67 dBm	-31.67 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93684 GHz	-43.16 dBm	-30.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94792 GHz	-38.86 dBm	-25.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61955 GHz	-38.29 dBm	-25.29 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60840 GHz	-33.09 dBm	-20.09 dB

Date: 23.NOV.2022 17:58:01

Middle Channel / 64QAM

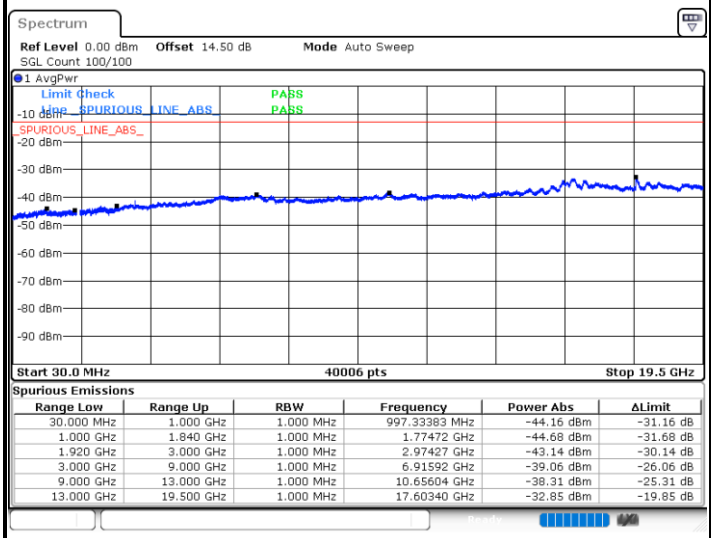


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-44.38 dBm	-31.38 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62318 GHz	-44.75 dBm	-31.75 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49671 GHz	-43.16 dBm	-30.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93292 GHz	-39.08 dBm	-26.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64904 GHz	-38.22 dBm	-25.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60040 GHz	-32.91 dBm	-19.91 dB

Date: 23.NOV.2022 18:00:13

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-44.16 dBm	-31.16 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77472 GHz	-44.68 dBm	-31.68 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97427 GHz	-43.14 dBm	-30.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91592 GHz	-39.06 dBm	-26.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65604 GHz	-38.31 dBm	-25.31 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60340 GHz	-32.85 dBm	-19.85 dB

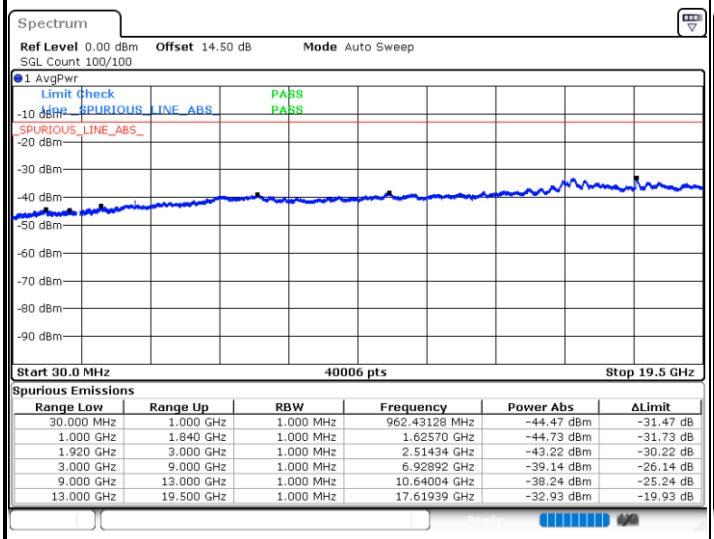
Date: 23.NOV.2022 18:05:30

N/A

N/A

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

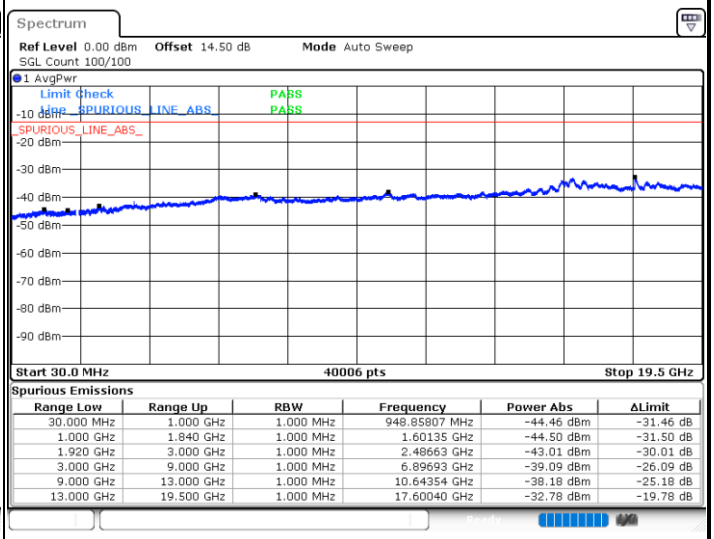


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.43128 MHz	-44.47 dBm	-31.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62570 GHz	-44.73 dBm	-31.73 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51434 GHz	-43.22 dBm	-30.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92892 GHz	-39.14 dBm	-26.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64004 GHz	-38.24 dBm	-25.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61939 GHz	-32.93 dBm	-19.93 dB

Date: 23.NOV.2022 20:34:29

Middle Channel / 64QAM

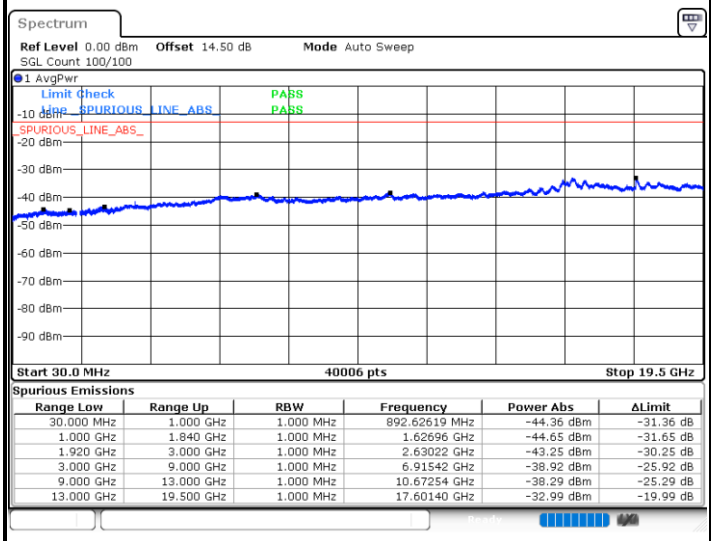


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-44.46 dBm	-31.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60135 GHz	-44.50 dBm	-31.50 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.48663 GHz	-43.01 dBm	-30.01 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.89693 GHz	-39.09 dBm	-26.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64354 GHz	-38.18 dBm	-25.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60040 GHz	-32.78 dBm	-19.78 dB

Date: 23.NOV.2022 20:36:29

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-44.36 dBm	-31.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62696 GHz	-44.65 dBm	-31.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63022 GHz	-43.25 dBm	-30.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91542 GHz	-38.92 dBm	-25.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.67254 GHz	-38.29 dBm	-25.29 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60140 GHz	-32.99 dBm	-19.99 dB

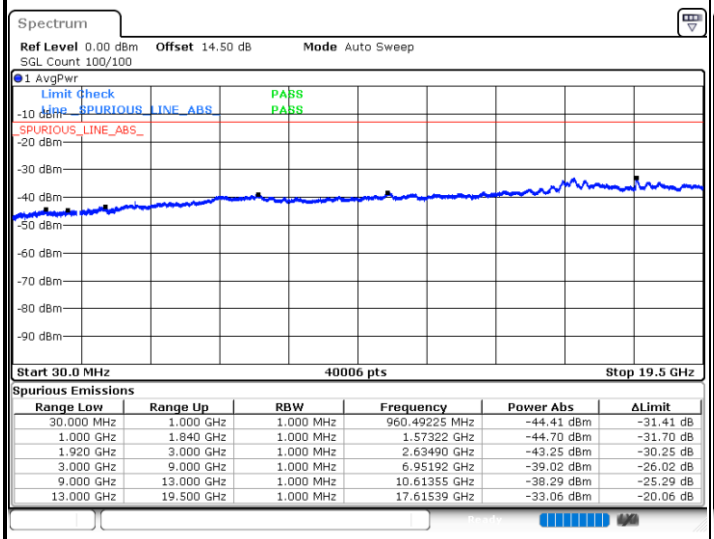
Date: 23.NOV.2022 20:41:16

N/A

N/A

LTE Band 2 / 5MHz

Lowest Channel / 64QAM

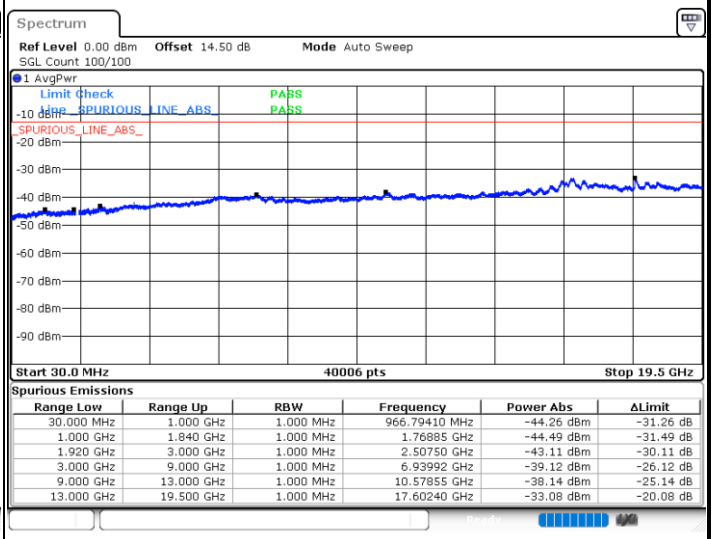


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.49225 MHz	-44.41 dBm	-31.41 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.57322 GHz	-44.70 dBm	-31.70 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63490 GHz	-43.25 dBm	-30.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95192 GHz	-39.02 dBm	-26.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61355 GHz	-38.29 dBm	-25.29 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61539 GHz	-33.06 dBm	-20.06 dB

Date: 23.NOV.2022 20:46:02

Middle Channel / 64QAM

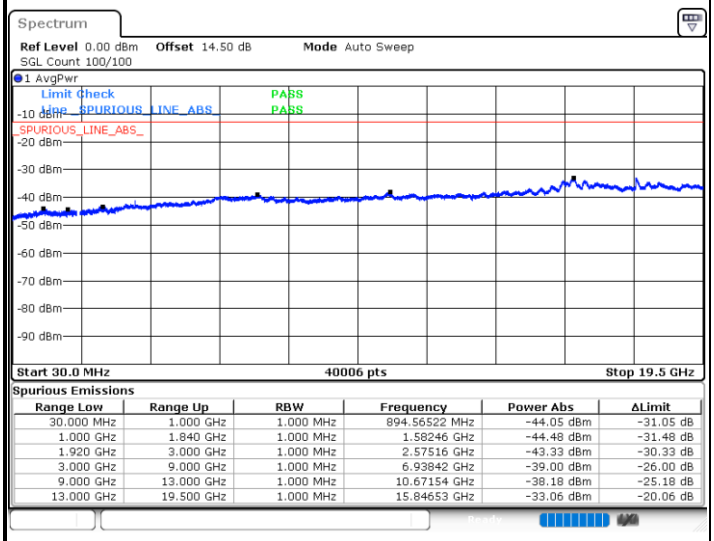


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-44.26 dBm	-31.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76885 GHz	-44.49 dBm	-31.49 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50750 GHz	-43.11 dBm	-30.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93992 GHz	-39.12 dBm	-26.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57855 GHz	-38.14 dBm	-25.14 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60240 GHz	-33.08 dBm	-20.08 dB

Date: 23.NOV.2022 20:48:03

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.56522 MHz	-44.05 dBm	-31.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58246 GHz	-44.48 dBm	-31.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.57516 GHz	-43.33 dBm	-30.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93842 GHz	-39.00 dBm	-26.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.67154 GHz	-38.18 dBm	-25.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.84653 GHz	-33.06 dBm	-20.06 dB

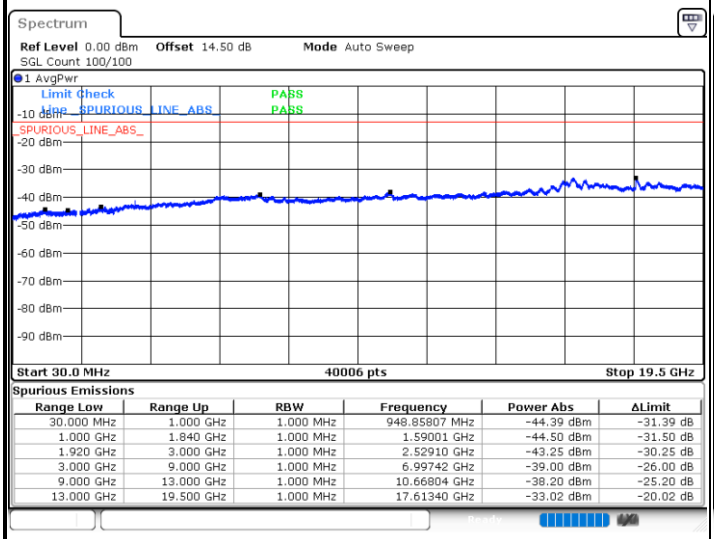
Date: 23.NOV.2022 20:52:49

N/A

N/A

LTE Band 2 / 10MHz

Lowest Channel / 64QAM

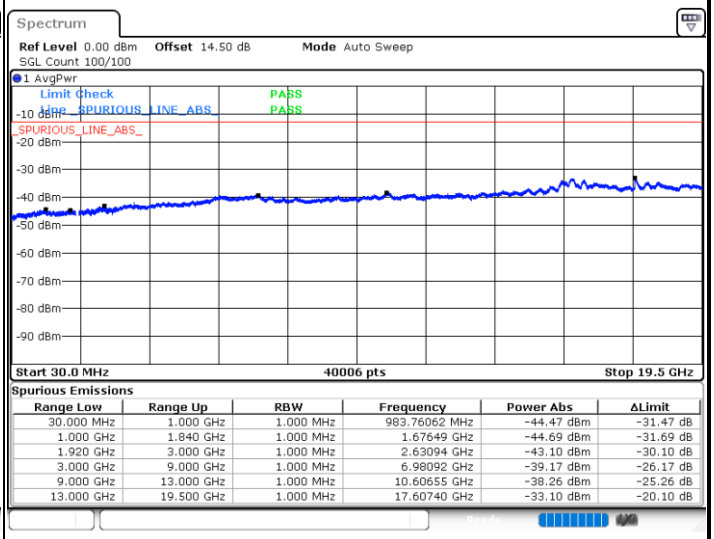


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-44.39 dBm	-31.39 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59001 GHz	-44.50 dBm	-31.50 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52910 GHz	-43.25 dBm	-30.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99742 GHz	-39.00 dBm	-26.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.66804 GHz	-38.20 dBm	-25.20 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61340 GHz	-33.02 dBm	-20.02 dB

Date: 23.NOV.2022 20:57:36

Middle Channel / 64QAM

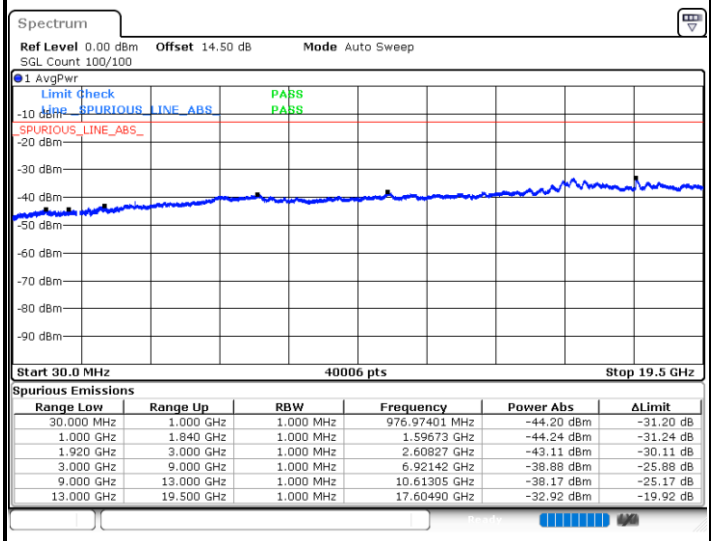


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-44.47 dBm	-31.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67649 GHz	-44.69 dBm	-31.69 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63094 GHz	-43.10 dBm	-30.10 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98092 GHz	-39.17 dBm	-26.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60655 GHz	-38.26 dBm	-25.26 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60740 GHz	-33.10 dBm	-20.10 dB

Date: 23.NOV.2022 20:59:36

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-44.20 dBm	-31.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59673 GHz	-44.24 dBm	-31.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.60827 GHz	-43.11 dBm	-30.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92142 GHz	-38.88 dBm	-25.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61305 GHz	-38.17 dBm	-25.17 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60490 GHz	-32.92 dBm	-19.92 dB

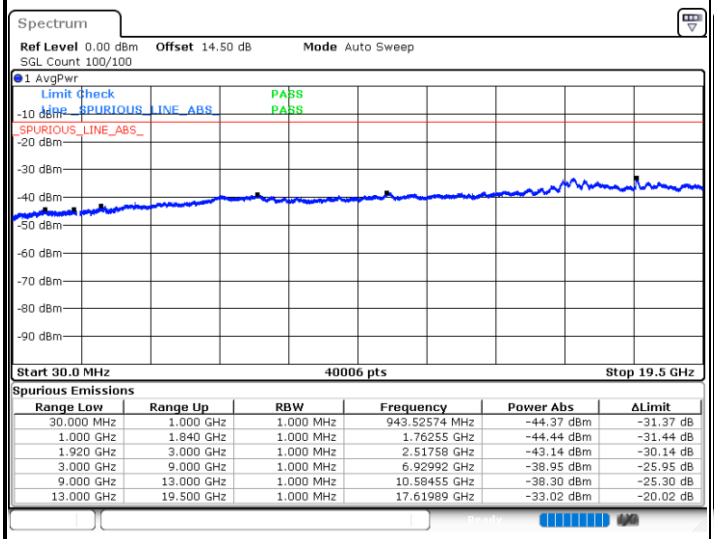
Date: 23.NOV.2022 21:04:23

N/A

N/A

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

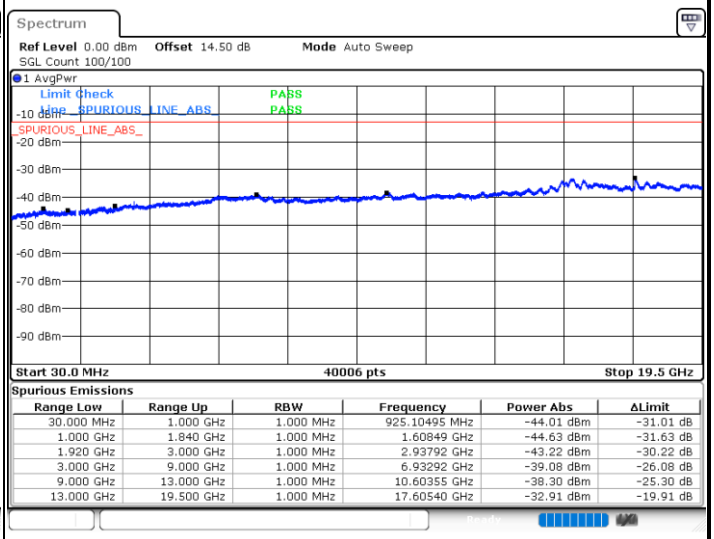


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-44.37 dBm	-31.37 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76255 GHz	-44.44 dBm	-31.44 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51758 GHz	-43.14 dBm	-30.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92992 GHz	-38.95 dBm	-25.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58455 GHz	-38.30 dBm	-25.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61989 GHz	-33.02 dBm	-20.02 dB

Date: 23.NOV.2022 21:09:09

Middle Channel / 64QAM

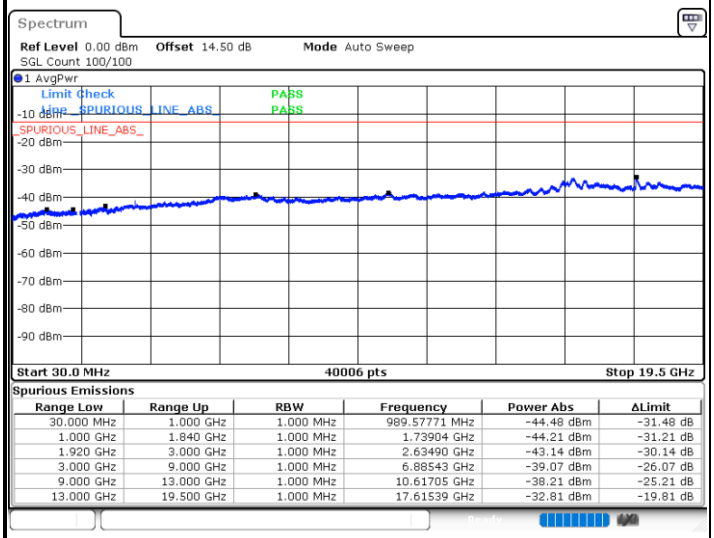


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-44.01 dBm	-31.01 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60849 GHz	-44.63 dBm	-31.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93792 GHz	-43.22 dBm	-30.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93292 GHz	-39.08 dBm	-26.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60355 GHz	-38.30 dBm	-25.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60540 GHz	-32.91 dBm	-19.91 dB

Date: 23.NOV.2022 21:11:10

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.57771 MHz	-44.48 dBm	-31.48 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73904 GHz	-44.21 dBm	-31.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63490 GHz	-43.14 dBm	-30.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88543 GHz	-39.07 dBm	-26.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61705 GHz	-38.21 dBm	-25.21 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61539 GHz	-32.81 dBm	-19.81 dB

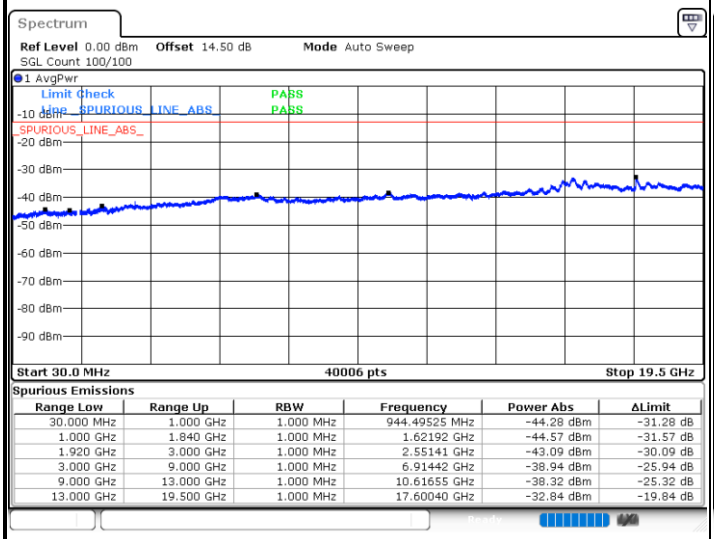
Date: 23.NOV.2022 21:15:57

N/A

N/A

LTE Band 2 / 20MHz

Lowest Channel / 64QAM

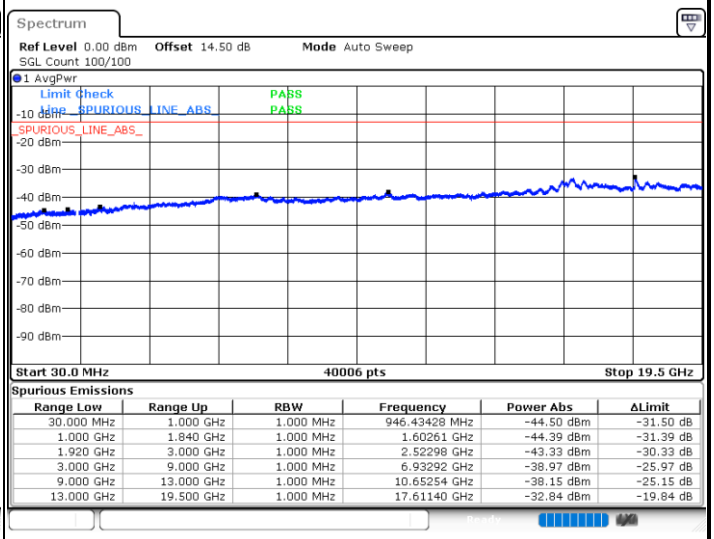


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-44.28 dBm	-31.28 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62192 GHz	-44.57 dBm	-31.57 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.55141 GHz	-43.09 dBm	-30.09 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91442 GHz	-38.94 dBm	-25.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61655 GHz	-38.32 dBm	-25.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60040 GHz	-32.84 dBm	-19.84 dB

Date: 23.NOV.2022 21:20:44

Middle Channel / 64QAM

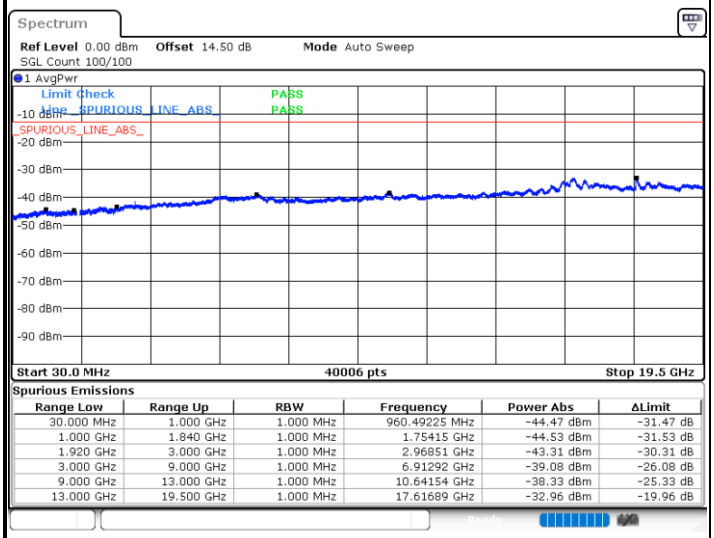


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.43428 MHz	-44.50 dBm	-31.50 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60261 GHz	-44.39 dBm	-31.39 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52298 GHz	-43.33 dBm	-30.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93292 GHz	-38.97 dBm	-25.97 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65254 GHz	-38.15 dBm	-25.15 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61140 GHz	-32.84 dBm	-19.84 dB

Date: 23.NOV.2022 21:22:44

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.49225 MHz	-44.47 dBm	-31.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75415 GHz	-44.53 dBm	-31.53 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96851 GHz	-43.31 dBm	-30.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91292 GHz	-39.08 dBm	-26.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64154 GHz	-38.33 dBm	-25.33 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61689 GHz	-32.96 dBm	-19.96 dB

Date: 23.NOV.2022 21:27:30

N/A

N/A

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	0.0008	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

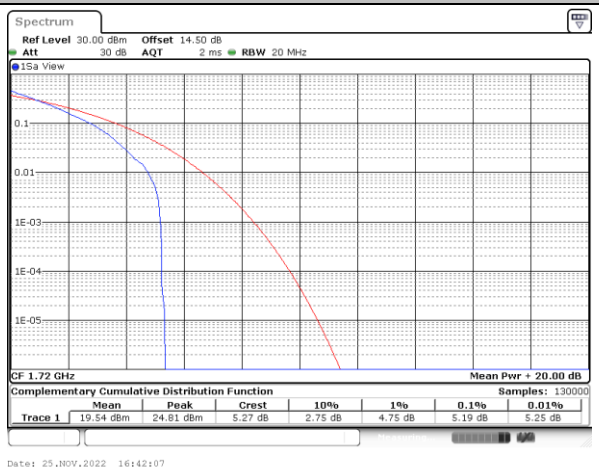
LTE Band 4

Peak-to-Average Ratio

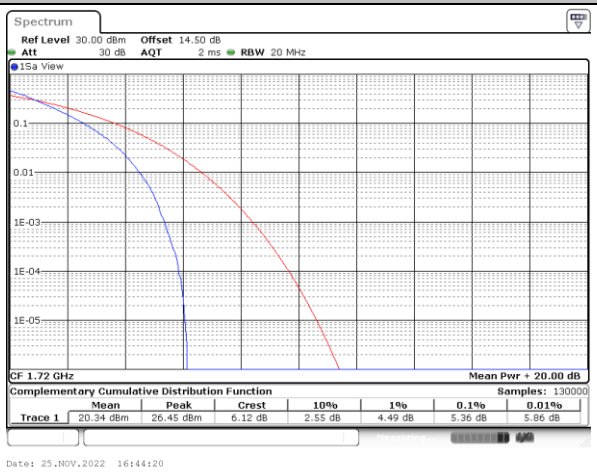
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.19	5.36	5.88	6.29	PASS
Middle CH	5.01	5.42	6.00	6.35	
Highest CH	5.45	5.54	6.14	6.38	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.72	6.70	-	-	PASS
Middle CH	6.43	6.70	-	-	
Highest CH	6.32	6.78	-	-	

LTE Band 4 / 20MHz / QPSK

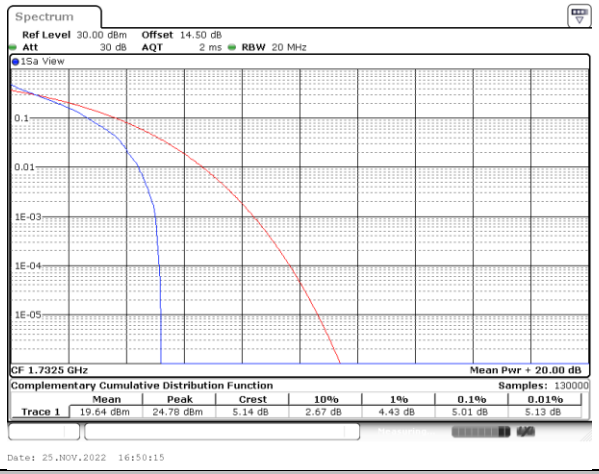
Lowest Channel / 1RB



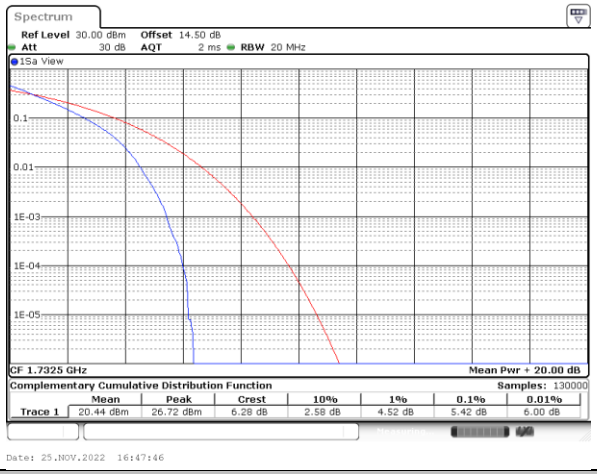
Lowest Channel / Full RB



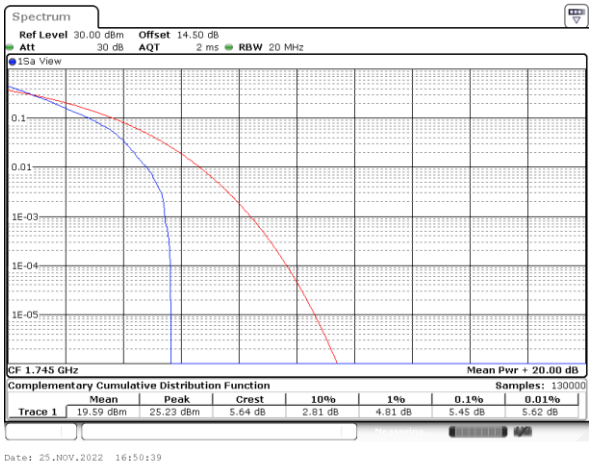
Middle Channel / 1RB



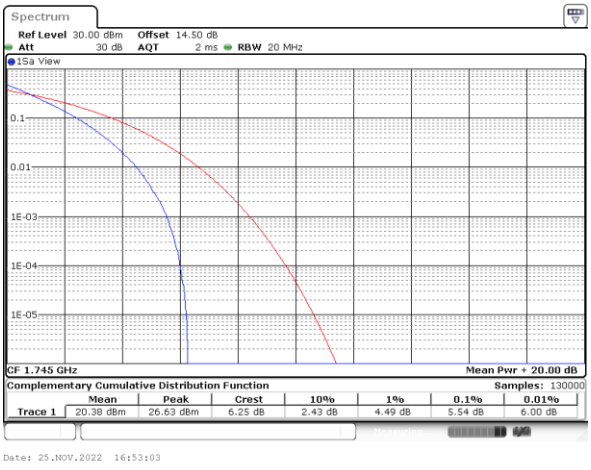
Middle Channel / Full RB



Highest Channel / 1RB

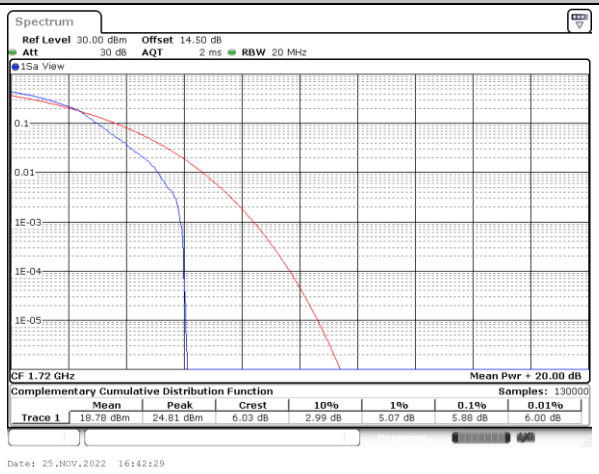


Highest Channel / Full RB

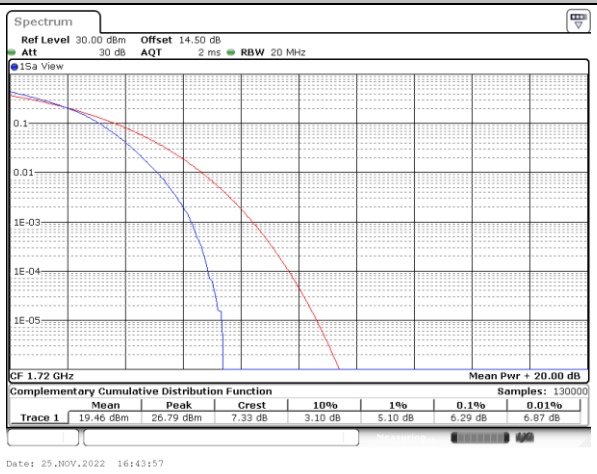


LTE Band 4 / 20MHz / 16QAM

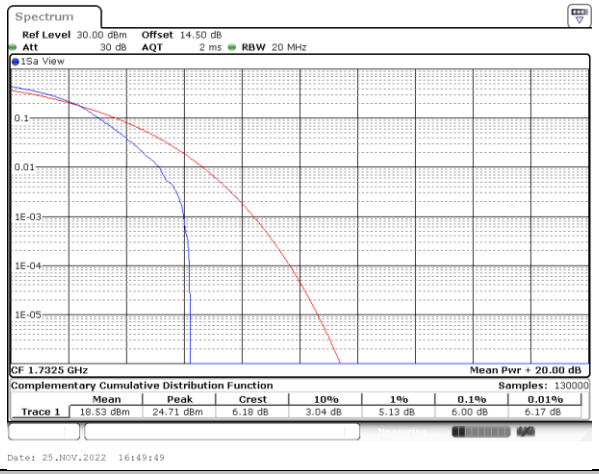
Lowest Channel / 1RB



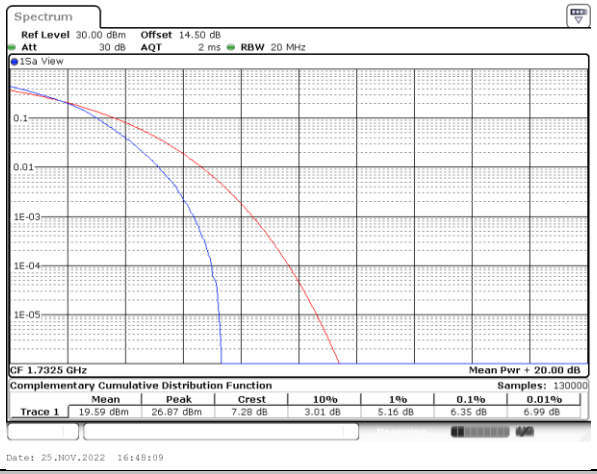
Lowest Channel / Full RB



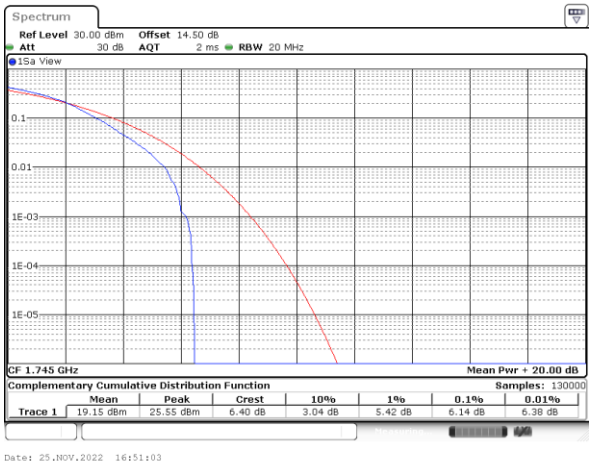
Middle Channel / 1RB



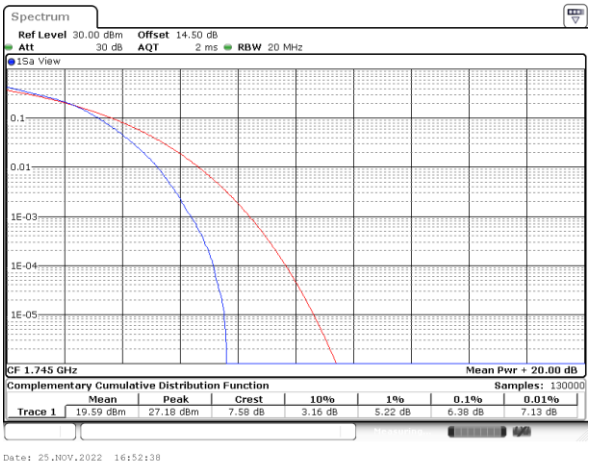
Middle Channel / Full RB



Highest Channel / 1RB

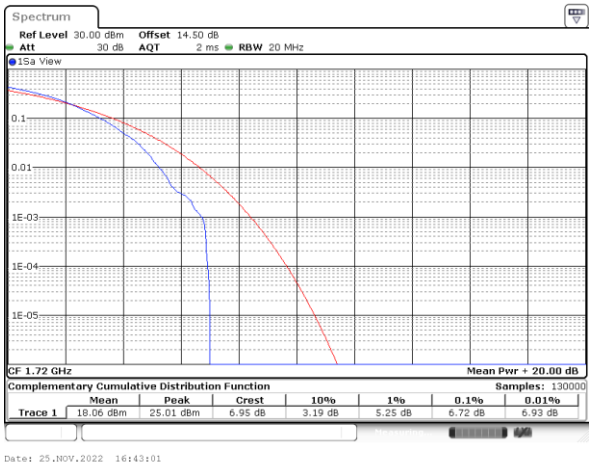


Highest Channel / Full RB

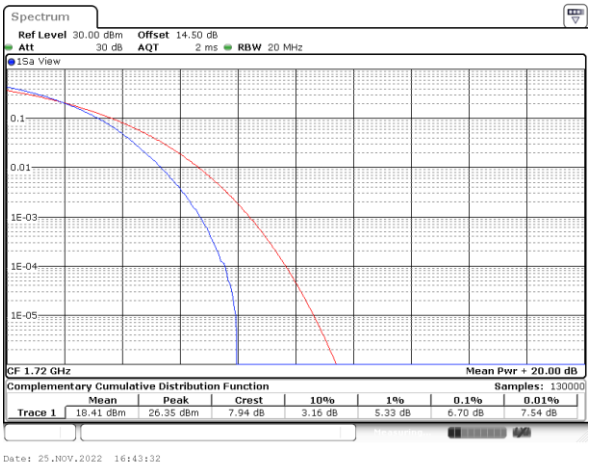


LTE Band 4 / 20MHz / 64QAM

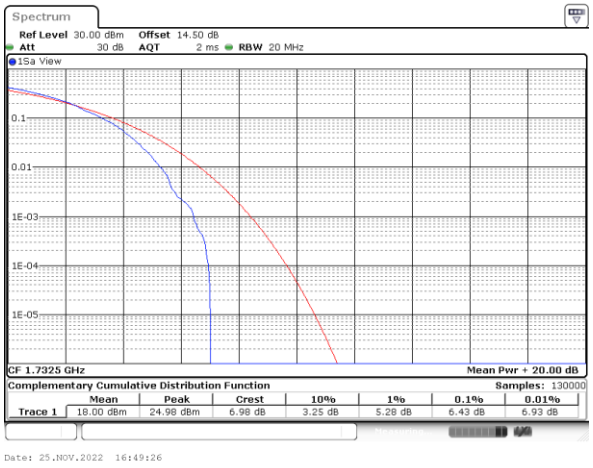
Lowest Channel / 1RB



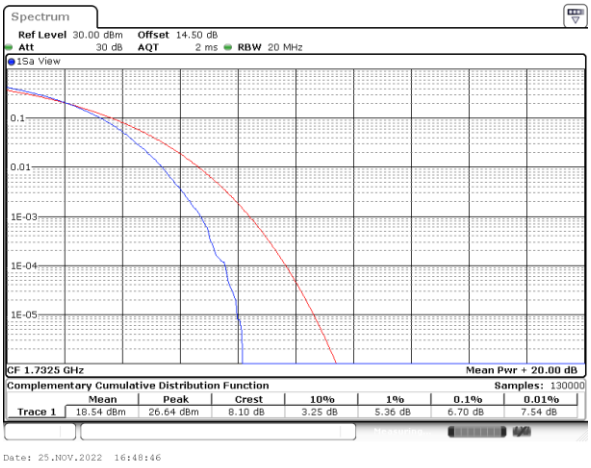
Lowest Channel / Full RB



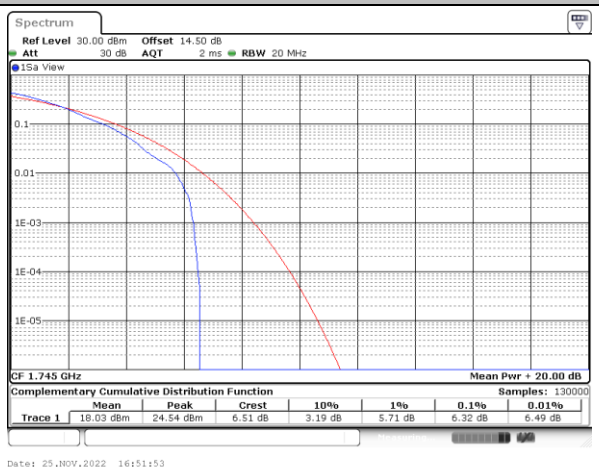
Middle Channel / 1RB



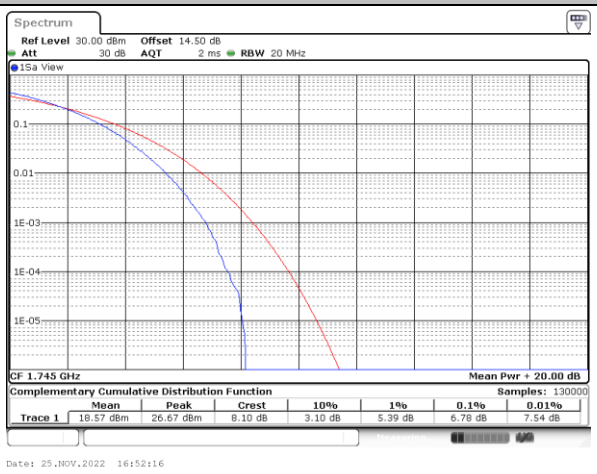
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

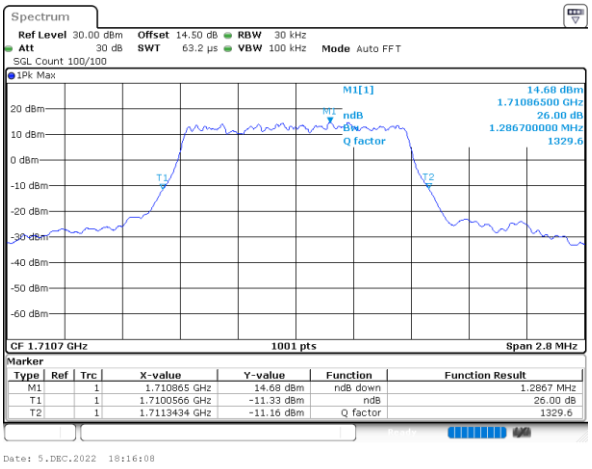


26dB Bandwidth

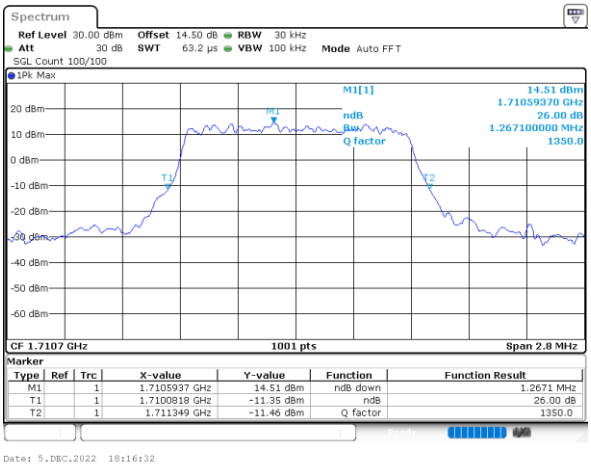
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.29	1.27	2.94	2.99	4.97	4.89	9.87	9.85	14.21	14.24	18.98	18.98
Middle CH	1.28	1.29	2.97	2.97	4.87	4.86	9.75	9.73	14.33	14.60	18.94	19.10
Highest CH	1.27	1.30	2.97	2.96	4.88	4.86	9.79	9.71	14.48	14.45	19.06	18.74
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.26	-	2.94	-	4.83	-	9.83	-	14.15	-	18.82	-
Middle CH	1.29	-	2.97	-	4.99	-	9.87	-	14.54	-	18.86	-
Highest CH	1.27	-	2.97	-	4.85	-	9.83	-	14.51	-	18.86	-

LTE Band 4

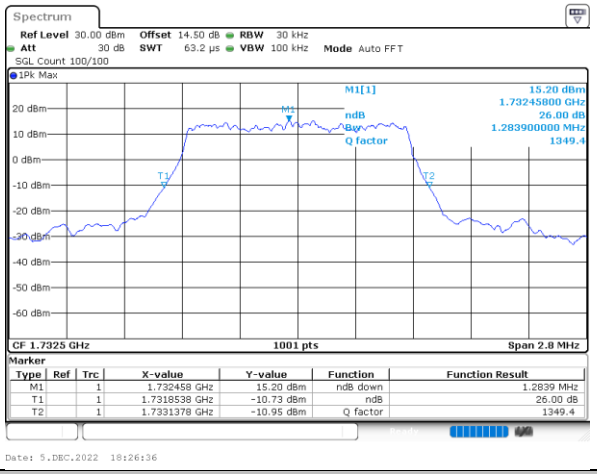
Lowest Channel / 1.4MHz / QPSK



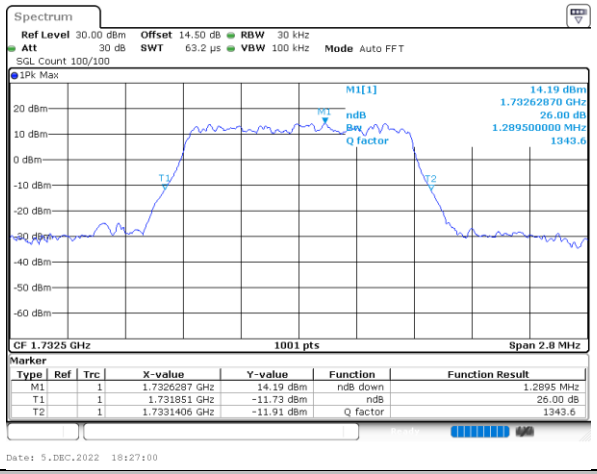
Lowest Channel / 1.4MHz / 16QAM



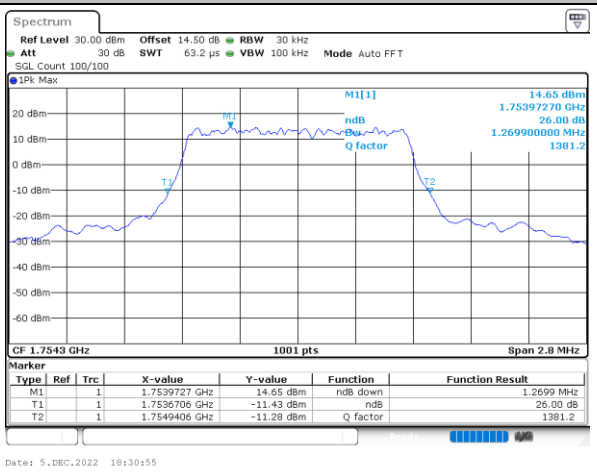
Middle Channel / 1.4MHz / QPSK



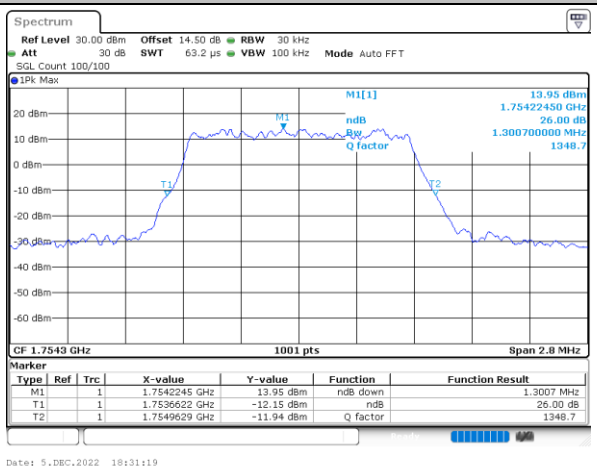
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

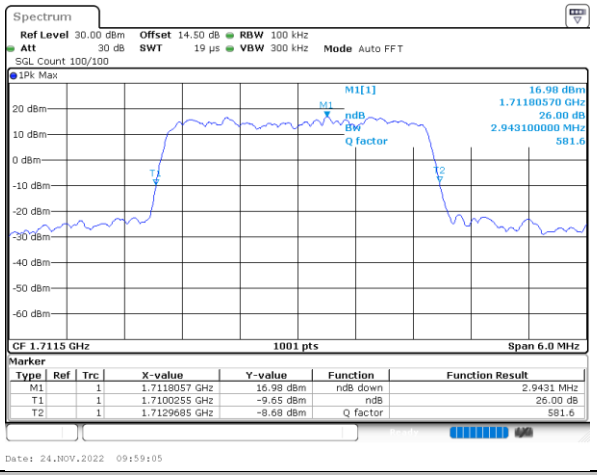


Highest Channel / 1.4MHz / 16QAM

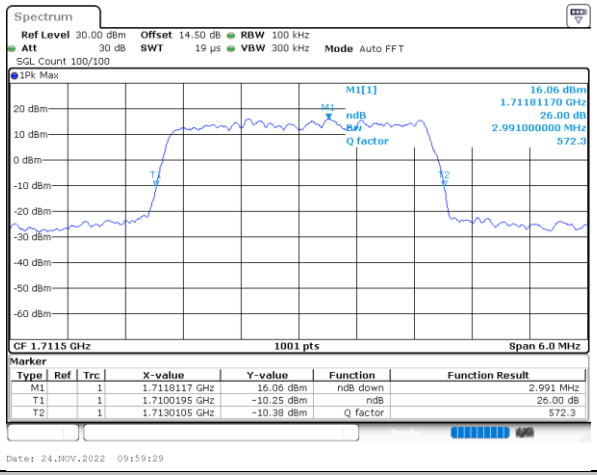


LTE Band 4

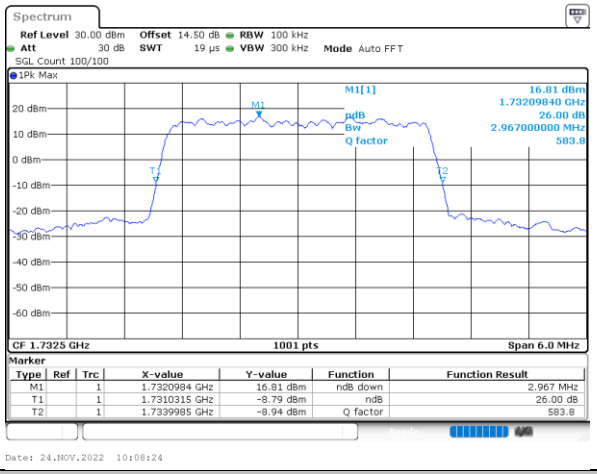
Lowest Channel / 3MHz / QPSK



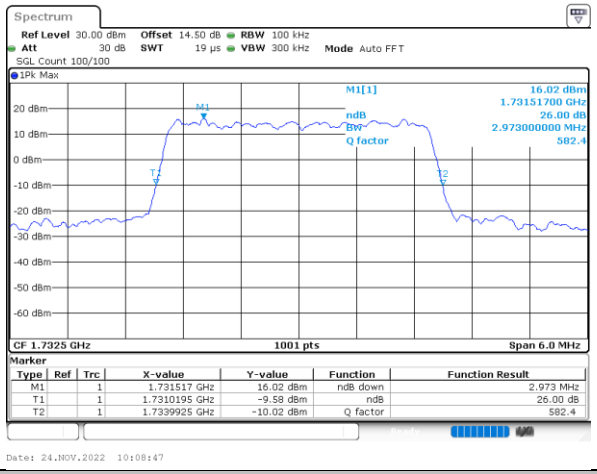
Lowest Channel / 3MHz / 16QAM



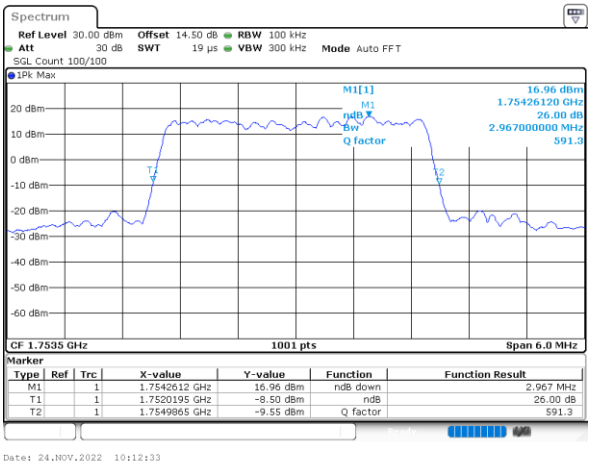
Middle Channel / 3MHz / QPSK



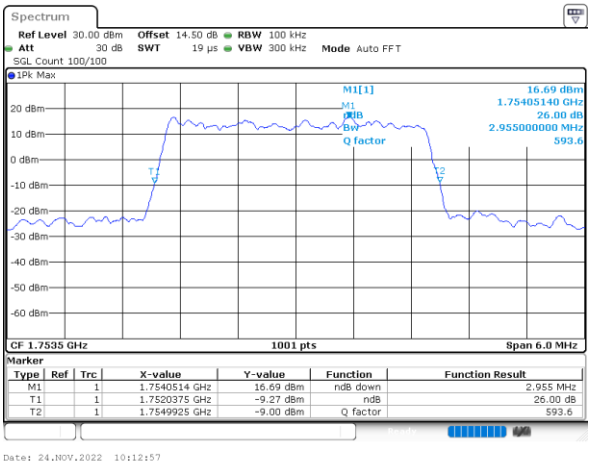
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

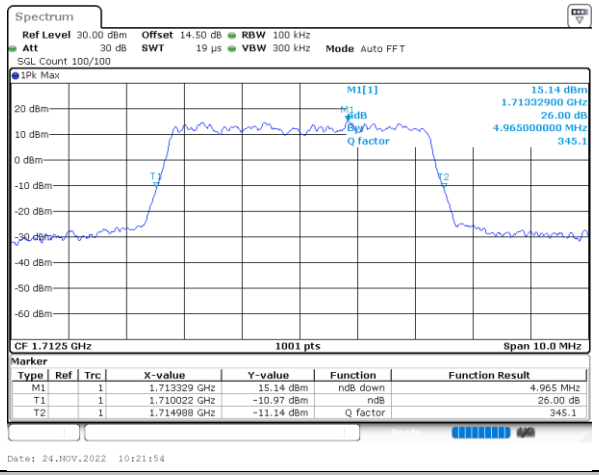


Highest Channel / 3MHz / 16QAM

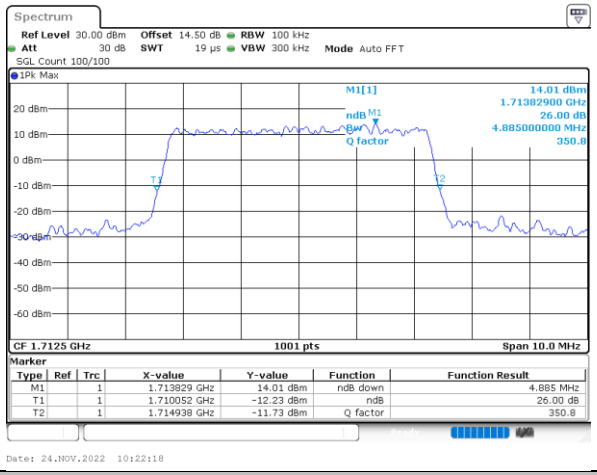


LTE Band 4

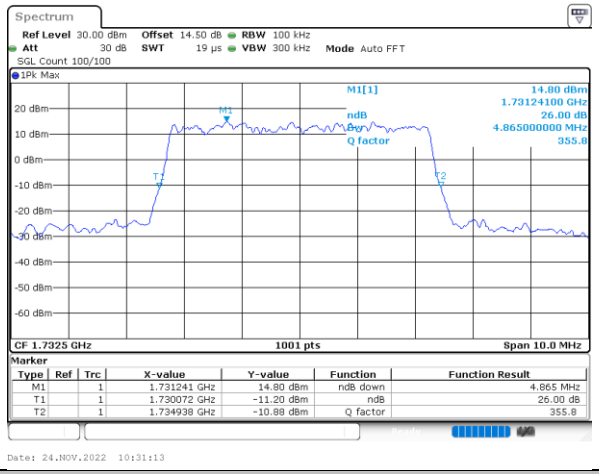
Lowest Channel / 5MHz / QPSK



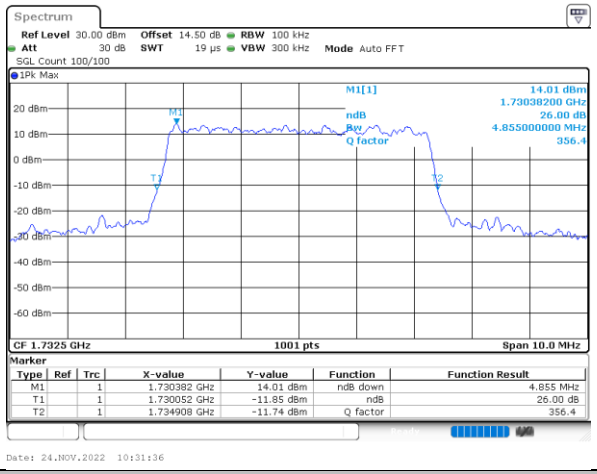
Lowest Channel / 5MHz / 16QAM



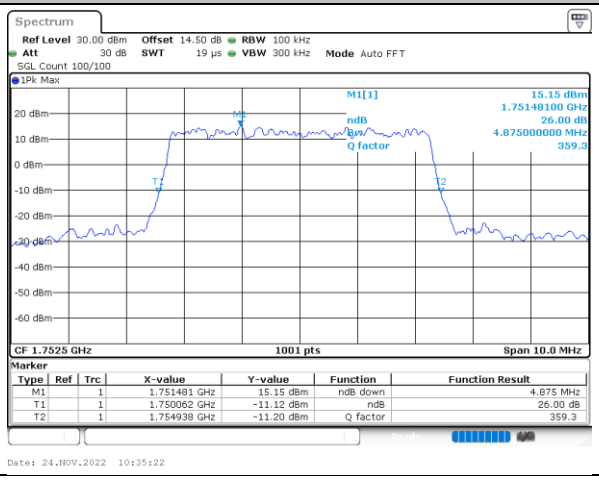
Middle Channel / 5MHz / QPSK



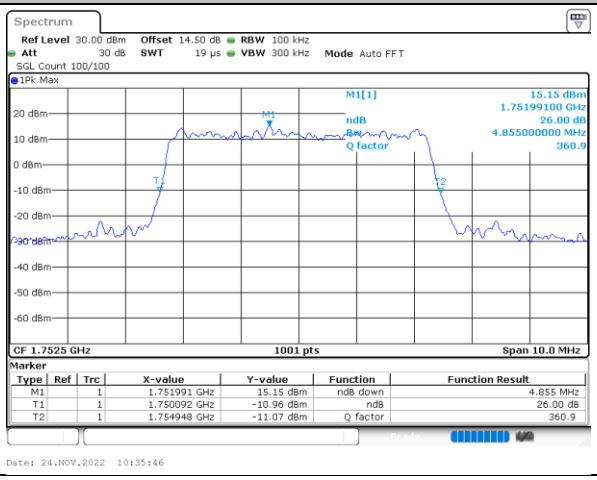
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

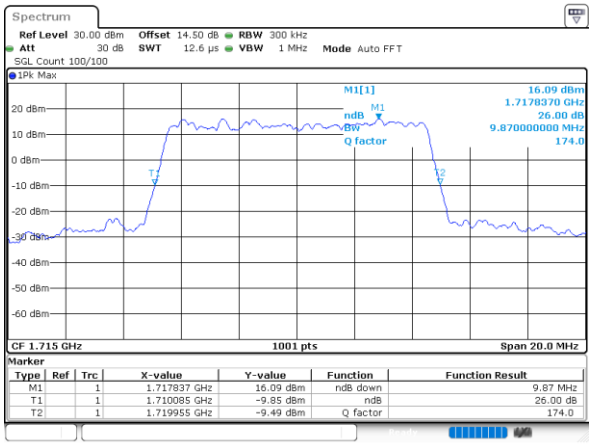


Highest Channel / 5MHz / 16QAM

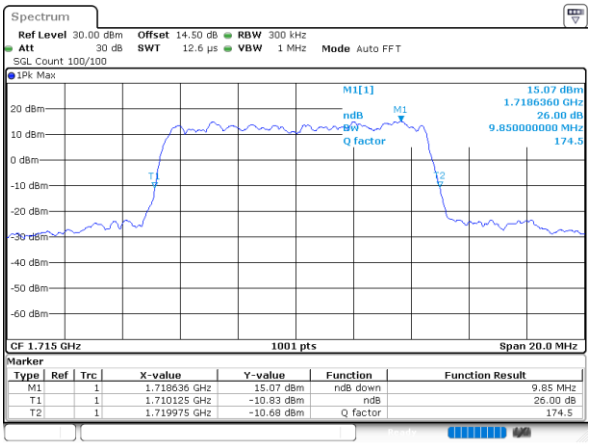


LTE Band 4

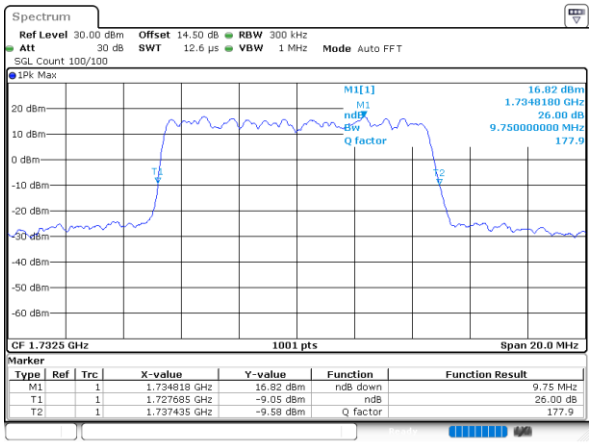
Lowest Channel / 10MHz / QPSK



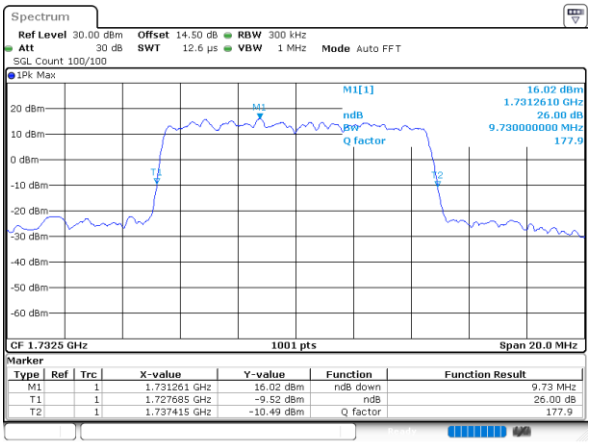
Lowest Channel / 10MHz / 16QAM



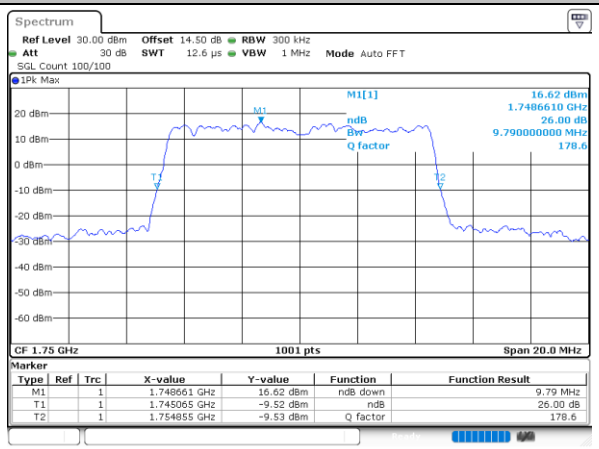
Middle Channel / 10MHz / QPSK



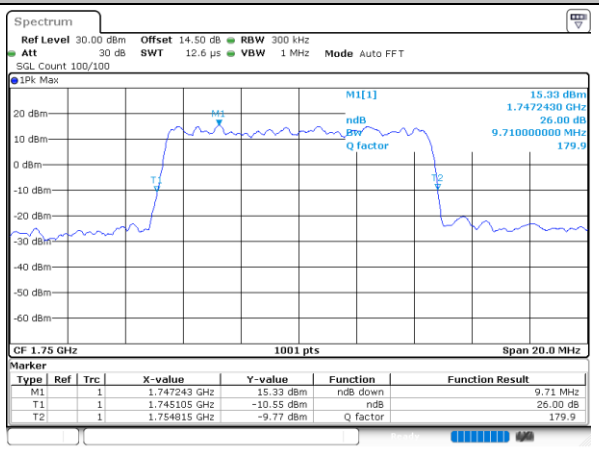
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

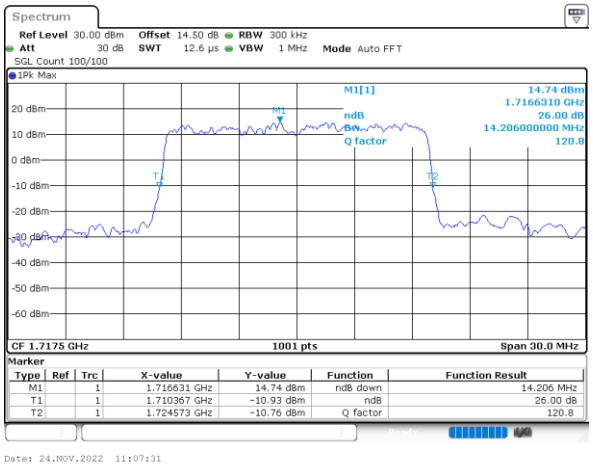


Highest Channel / 10MHz / 16QAM

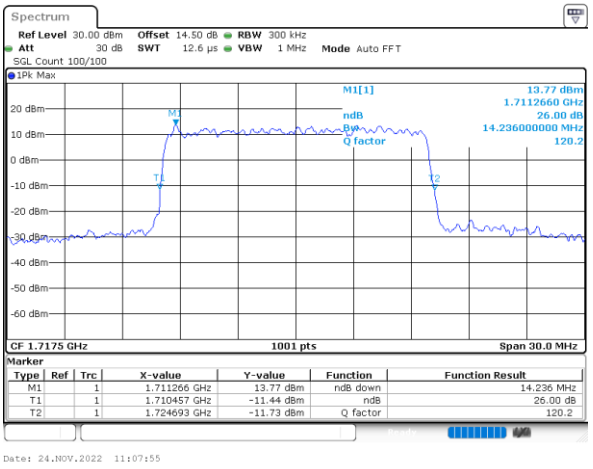


LTE Band 4

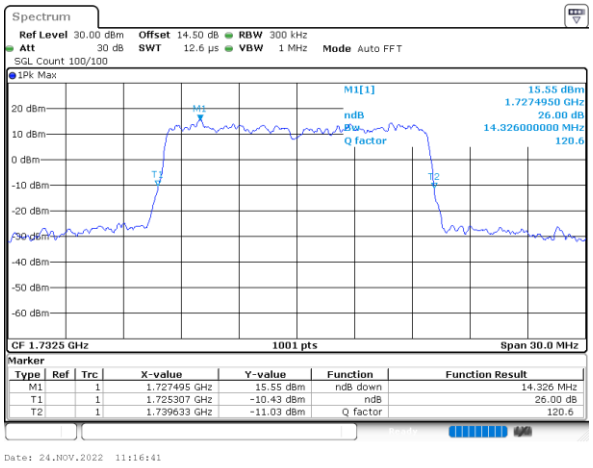
Lowest Channel / 15MHz / QPSK



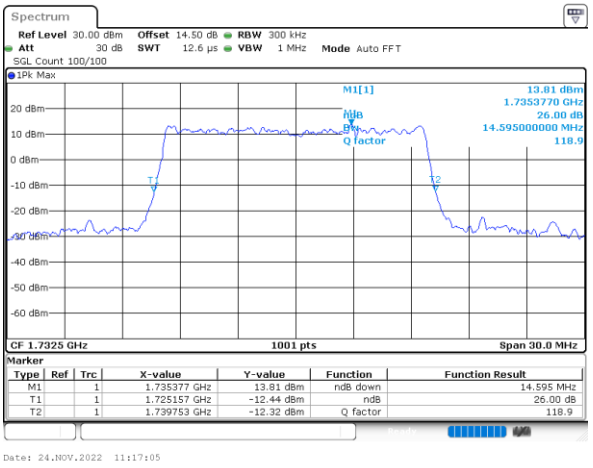
Lowest Channel / 15MHz / 16QAM



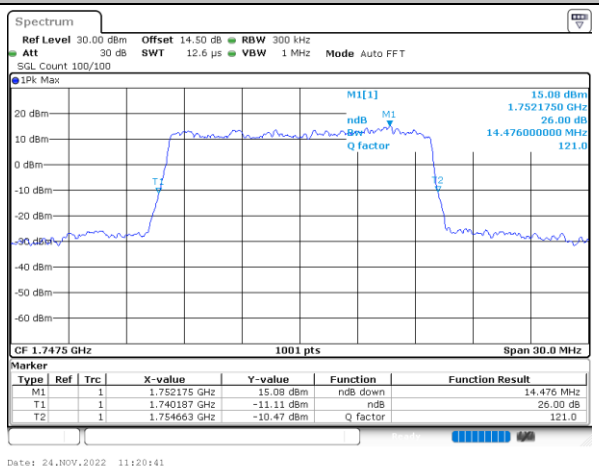
Middle Channel / 15MHz / QPSK



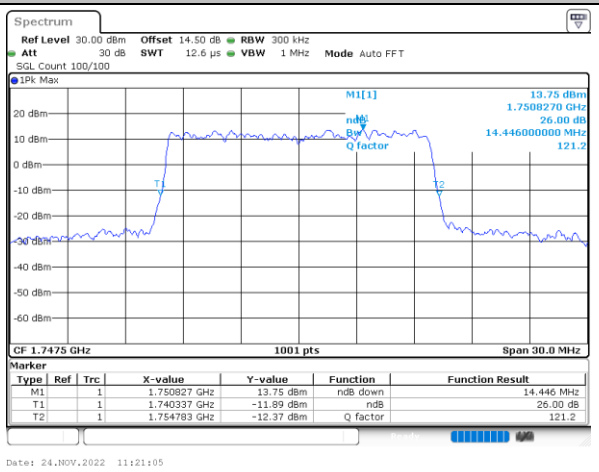
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

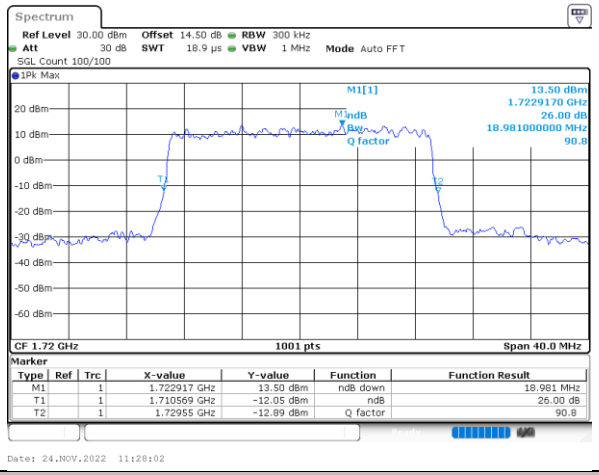


Highest Channel / 15MHz / 16QAM

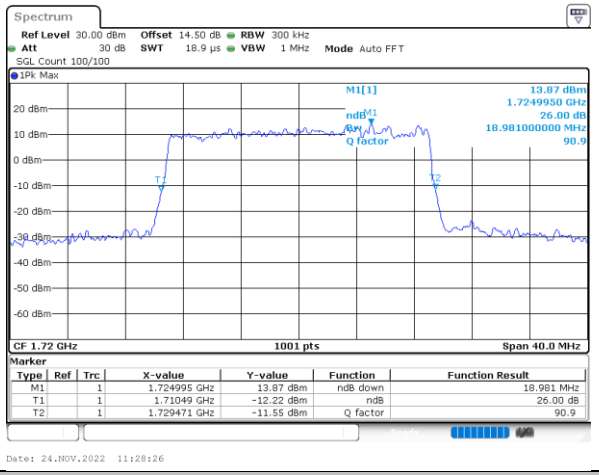


LTE Band 4

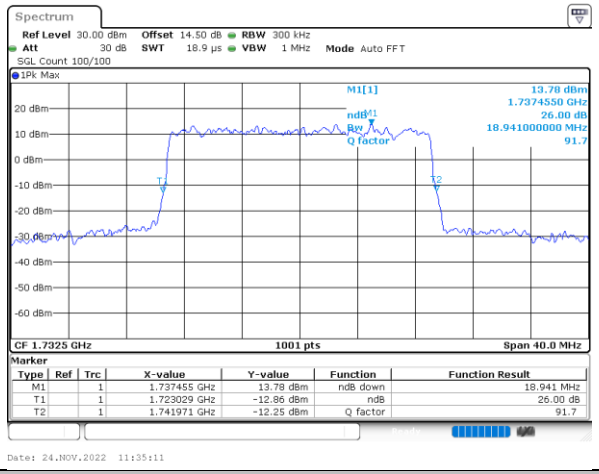
Lowest Channel / 20MHz / QPSK



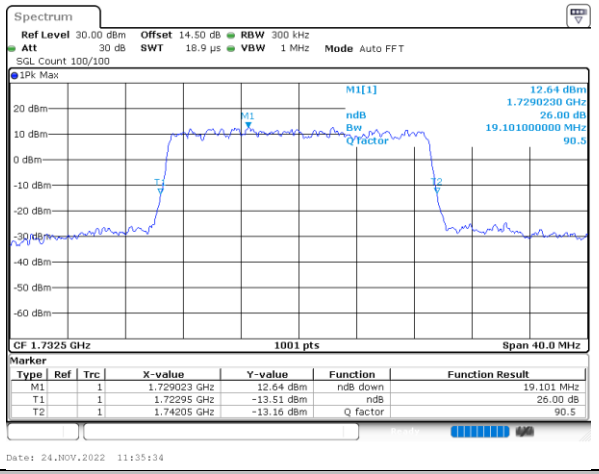
Lowest Channel / 20MHz / 16QAM



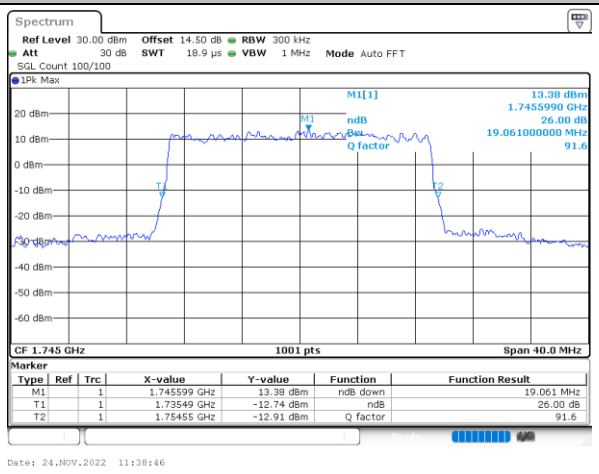
Middle Channel / 20MHz / QPSK



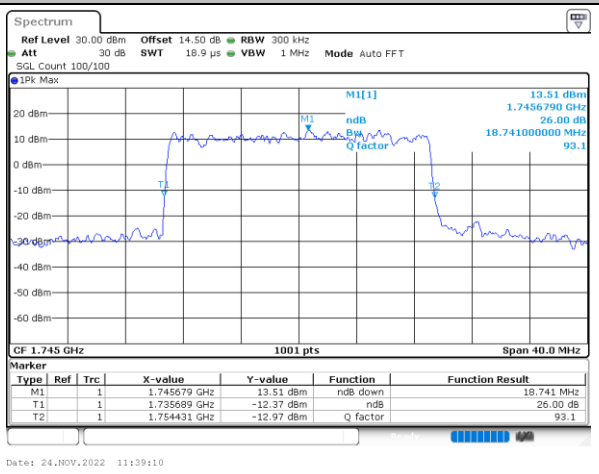
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

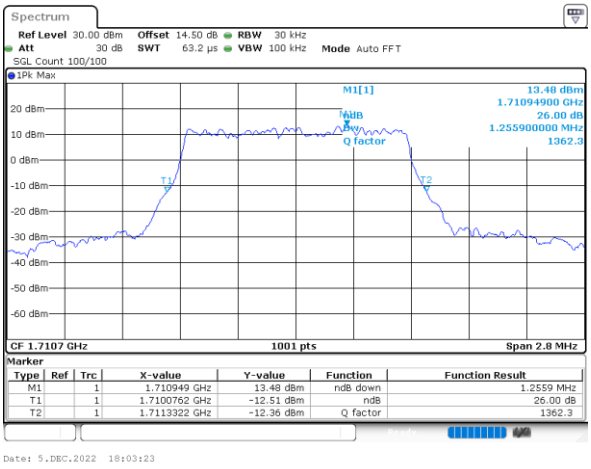


Highest Channel / 20MHz / 16QAM

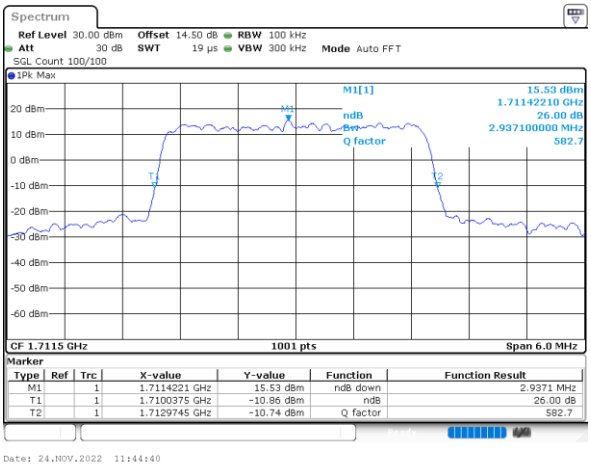


LTE Band 4

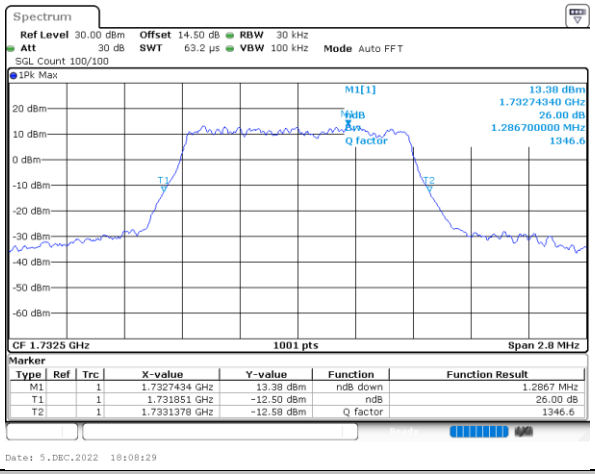
Lowest Channel / 1.4MHz / 64QAM



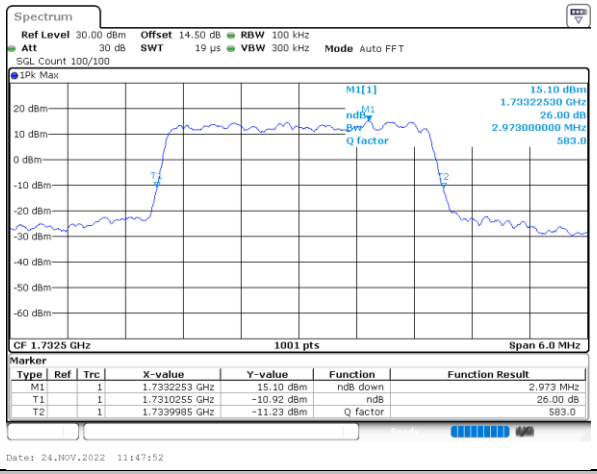
Lowest Channel / 3MHz / 64QAM



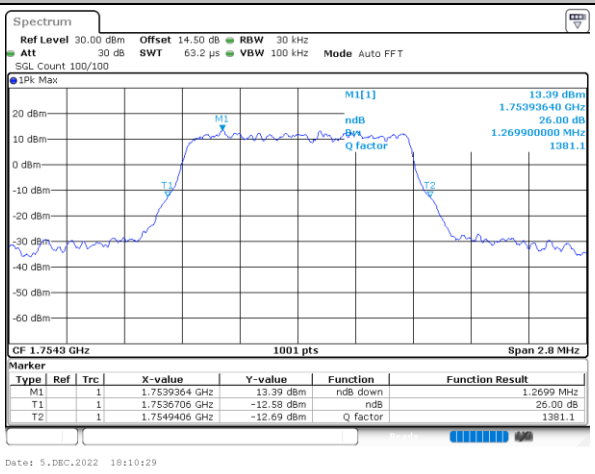
Middle Channel / 1.4MHz / 64QAM



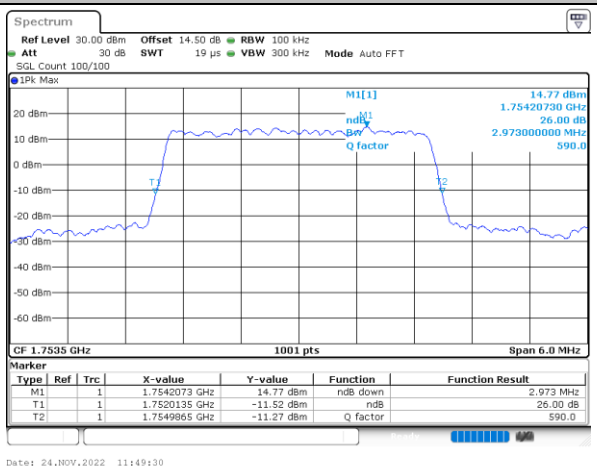
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

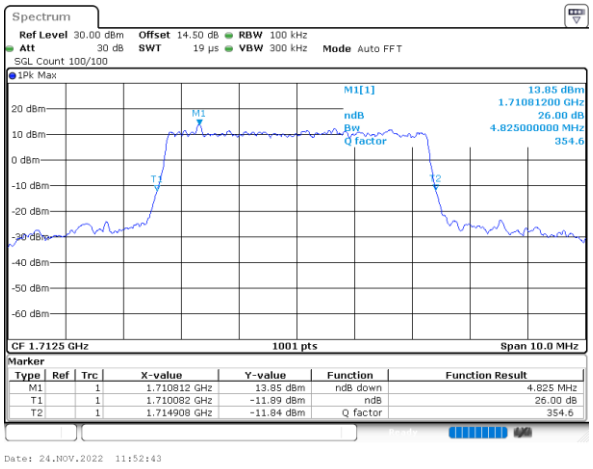


Highest Channel / 3MHz / 64QAM

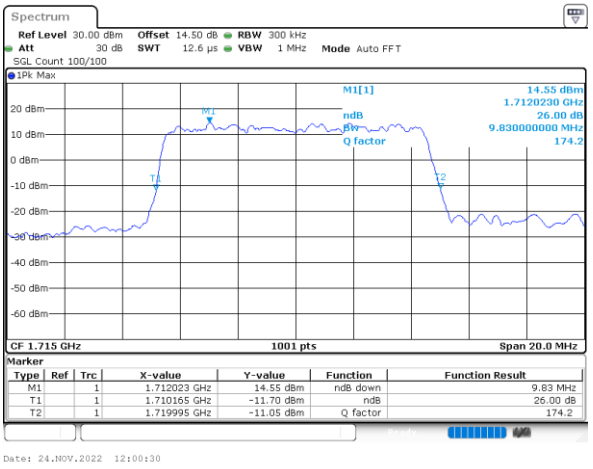


LTE Band 4

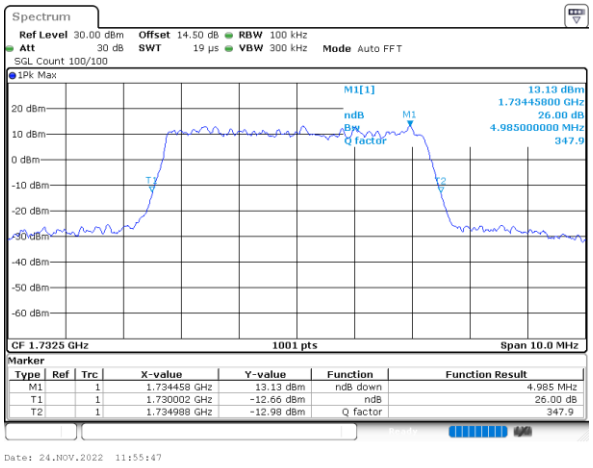
Lowest Channel / 5MHz / 64QAM



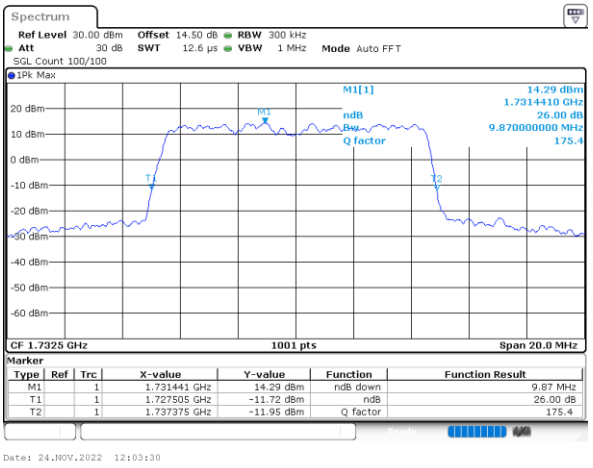
Lowest Channel / 10MHz / 64QAM



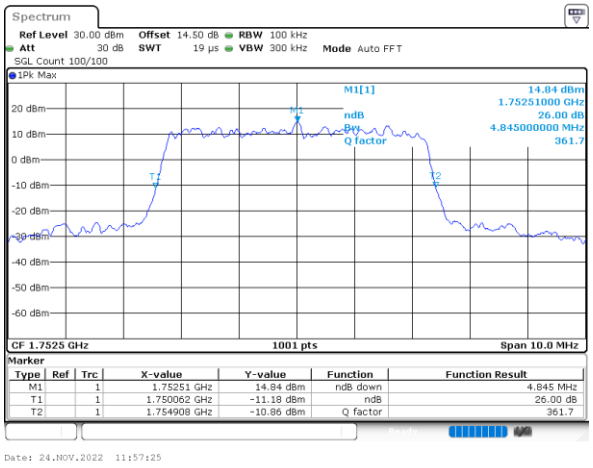
Middle Channel / 5MHz / 64QAM



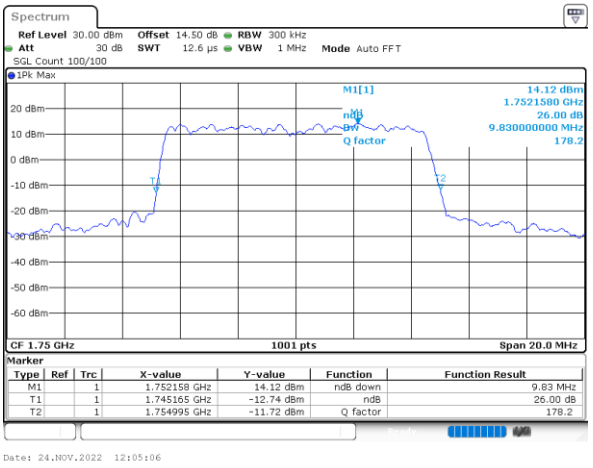
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

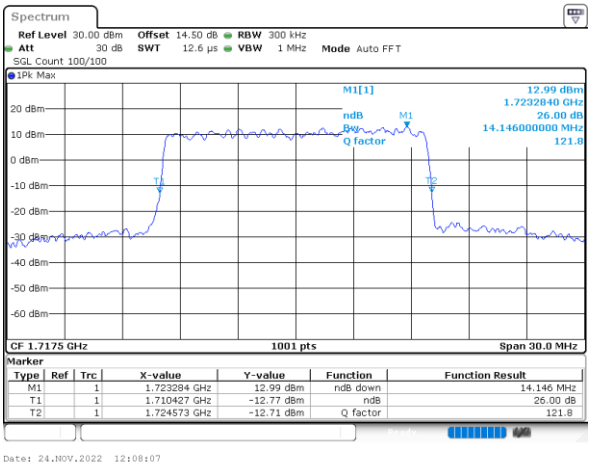


Highest Channel / 10MHz / 64QAM

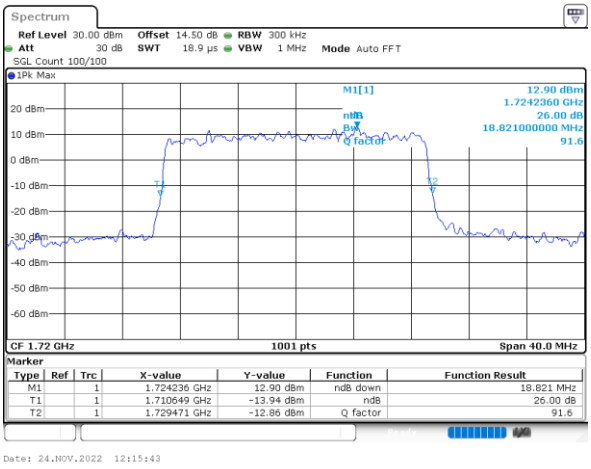


LTE Band 4

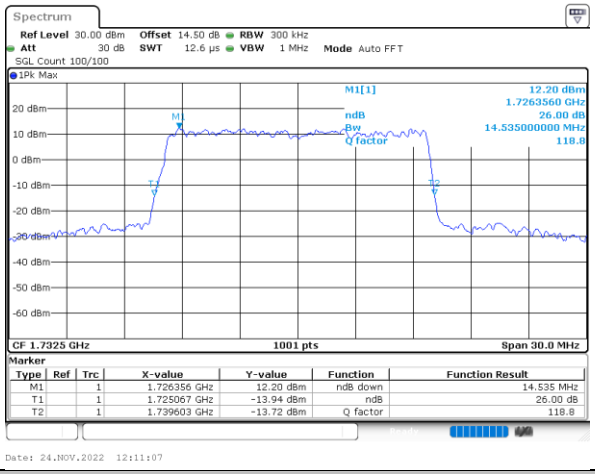
Lowest Channel / 15MHz / 64QAM



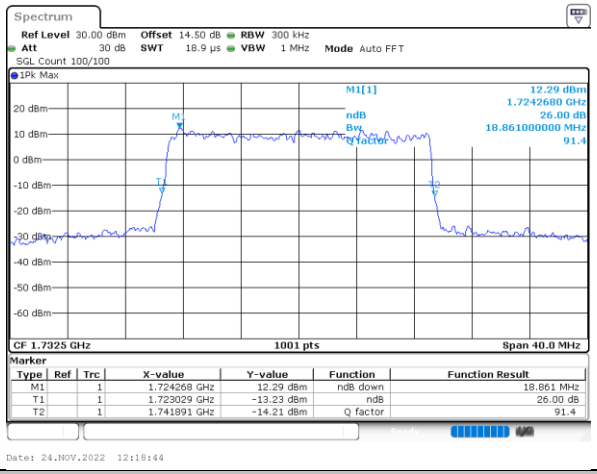
Lowest Channel / 20MHz / 64QAM



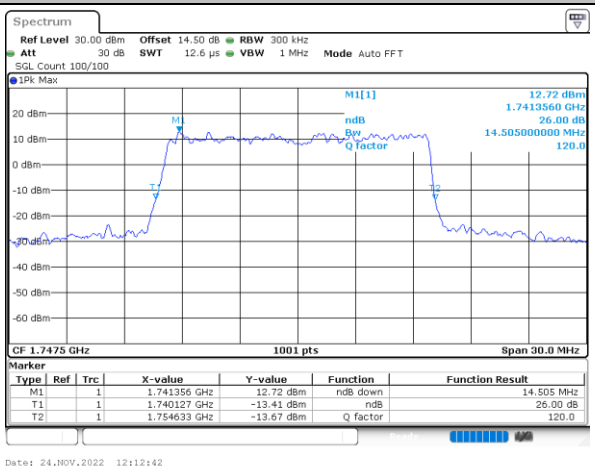
Middle Channel / 15MHz / 64QAM



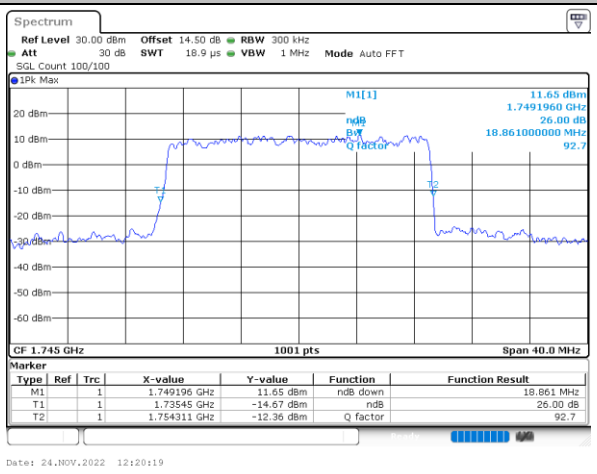
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

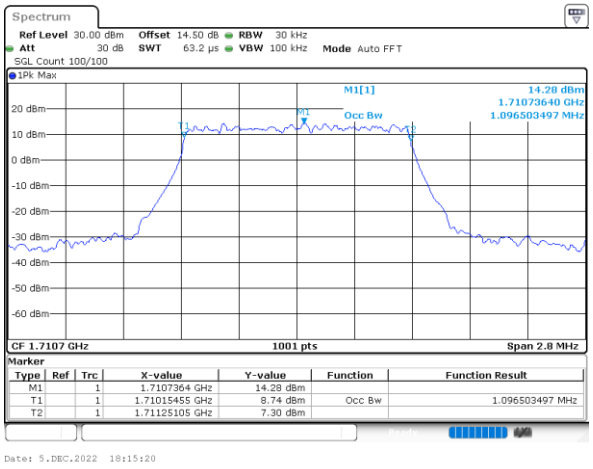


Occupied Bandwidth

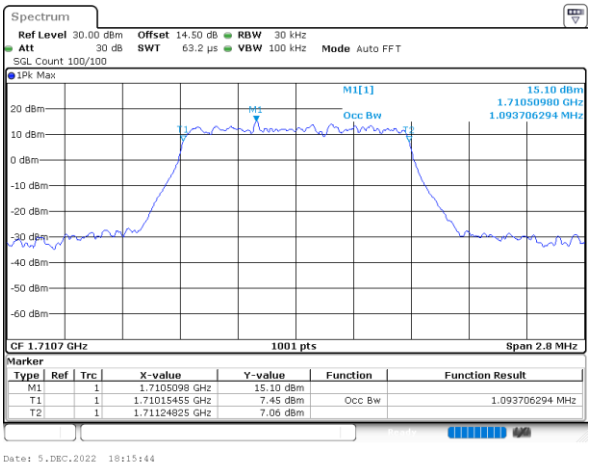
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.09	2.72	2.72	4.47	4.47	9.01	8.99	13.49	13.43	17.74	17.86
Middle CH	1.09	1.10	2.72	2.70	4.48	4.51	9.07	9.01	13.46	13.49	17.86	17.94
Highest CH	1.09	1.09	2.72	2.72	4.48	4.49	9.07	9.03	13.46	13.49	17.86	17.90
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.49	-	8.99	-	13.40	-	17.94	-
Middle CH	1.10	-	2.72	-	4.50	-	8.99	-	13.49	-	17.94	-
Highest CH	1.10	-	2.72	-	4.49	-	9.05	-	13.43	-	17.94	-

LTE Band 4

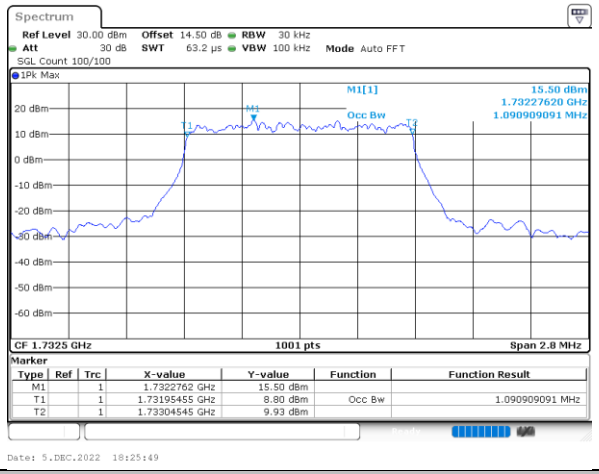
Lowest Channel / 1.4MHz / QPSK



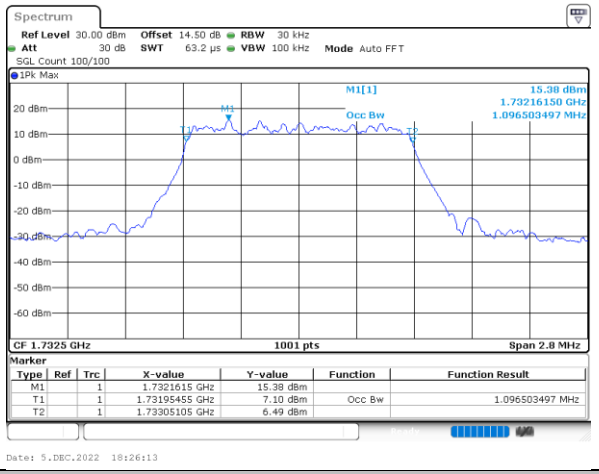
Lowest Channel / 1.4MHz / 16QAM



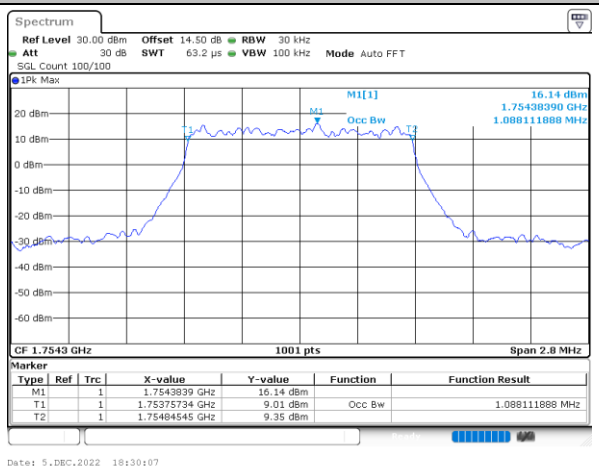
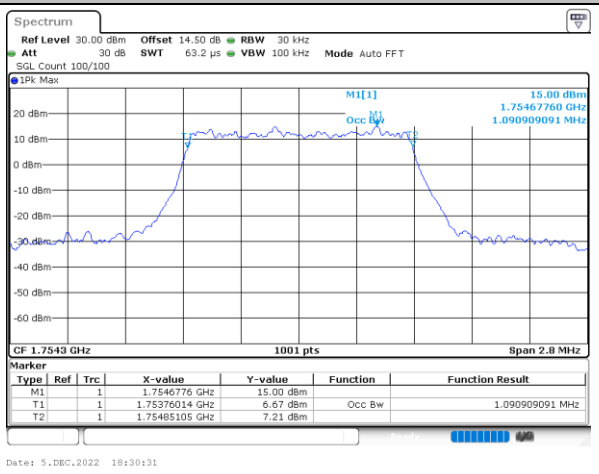
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM