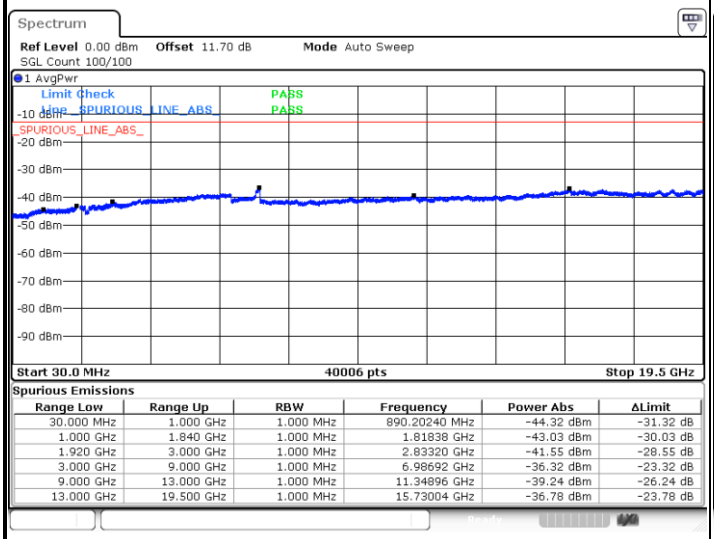
LTE Band 2 / 5MHz

Highest Channel / QPSK

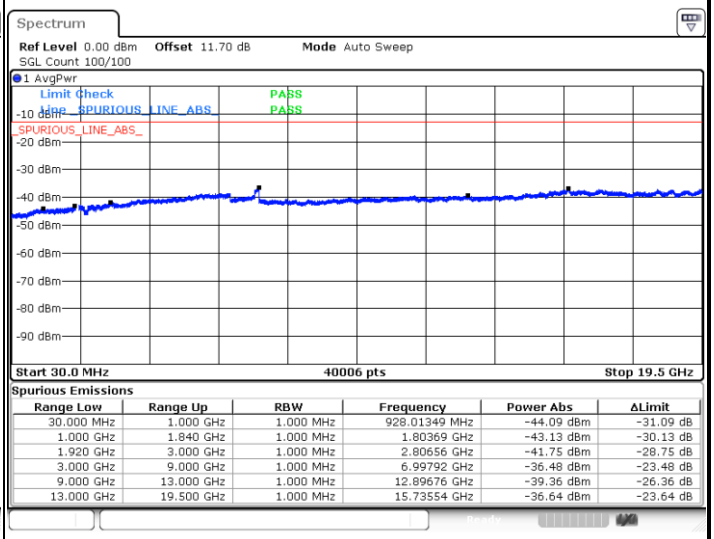


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-44.32 dBm	-31.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81838 GHz	-43.03 dBm	-30.03 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83320 GHz	-41.55 dBm	-28.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98692 GHz	-36.32 dBm	-23.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.34896 GHz	-39.24 dBm	-26.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73004 GHz	-36.78 dBm	-23.78 dB

Date: 19.DEC.2019 20:58:49

Highest Channel / 16QAM



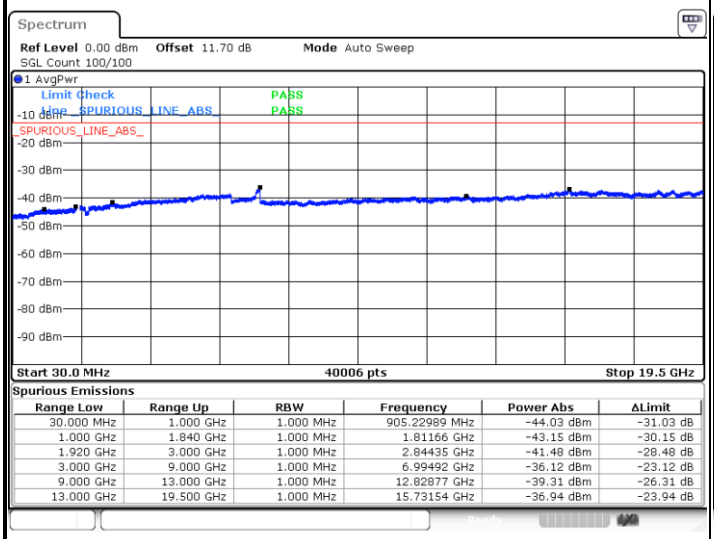
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-44.09 dBm	-31.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80369 GHz	-43.13 dBm	-30.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80656 GHz	-41.75 dBm	-28.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99792 GHz	-36.48 dBm	-23.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.89676 GHz	-39.36 dBm	-26.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73554 GHz	-36.64 dBm	-23.64 dB

Date: 19.DEC.2019 20:59:44

LTE Band 2 / 10MHz

Lowest Channel / QPSK

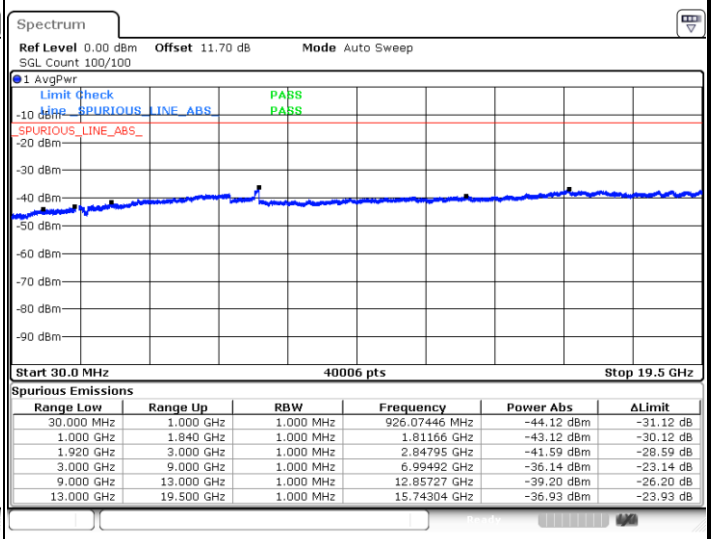


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-44.03 dBm	-31.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81166 GHz	-43.15 dBm	-30.15 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84435 GHz	-41.48 dBm	-28.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99492 GHz	-36.12 dBm	-23.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82877 GHz	-39.31 dBm	-26.31 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73154 GHz	-36.94 dBm	-23.94 dB

Date: 19.DEC.2019 21:04:59

Lowest Channel / 16QAM



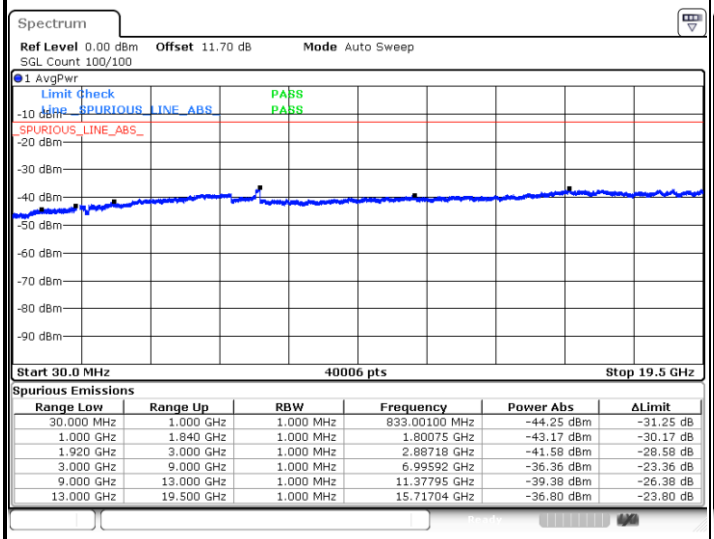
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.07446 MHz	-44.12 dBm	-31.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81166 GHz	-43.12 dBm	-30.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84795 GHz	-41.59 dBm	-28.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99492 GHz	-36.14 dBm	-23.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85727 GHz	-39.20 dBm	-26.20 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74304 GHz	-36.93 dBm	-23.93 dB

Date: 19.DEC.2019 21:05:54

LTE Band 2 / 10MHz

Middle Channel / QPSK

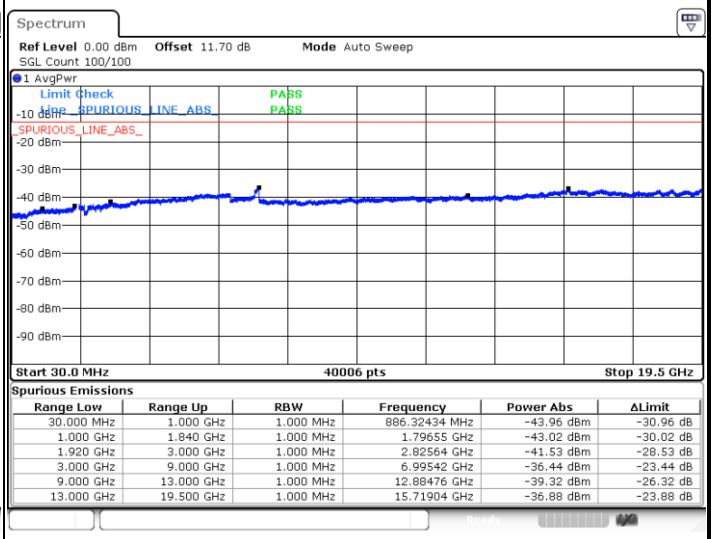


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	833.00100 MHz	-44.25 dBm	-31.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80075 GHz	-43.17 dBm	-30.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.88718 GHz	-41.58 dBm	-28.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99592 GHz	-36.36 dBm	-23.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.37795 GHz	-39.38 dBm	-26.38 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71704 GHz	-36.80 dBm	-23.80 dB

Date: 19.DEC.2019 21:07:42

Middle Channel / 16QAM

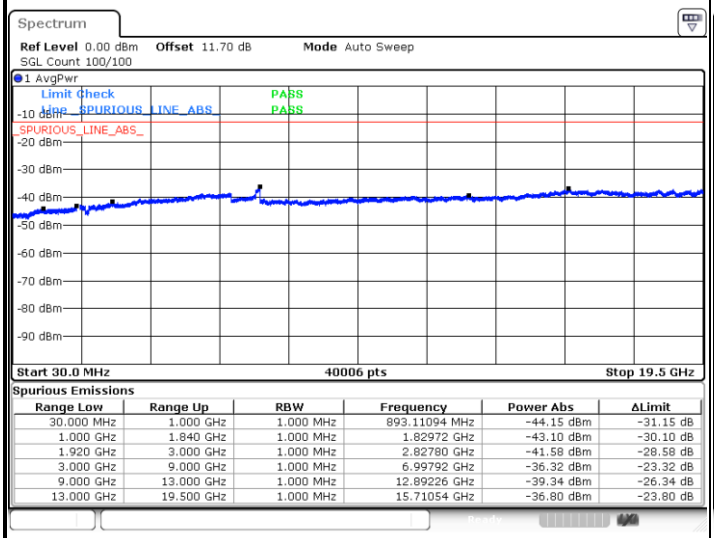


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.32434 MHz	-43.96 dBm	-30.96 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79655 GHz	-43.02 dBm	-30.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82564 GHz	-41.53 dBm	-28.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99542 GHz	-36.44 dBm	-23.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.88476 GHz	-39.32 dBm	-26.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71904 GHz	-36.88 dBm	-23.88 dB

Date: 19.DEC.2019 21:08:36

Highest Channel / QPSK

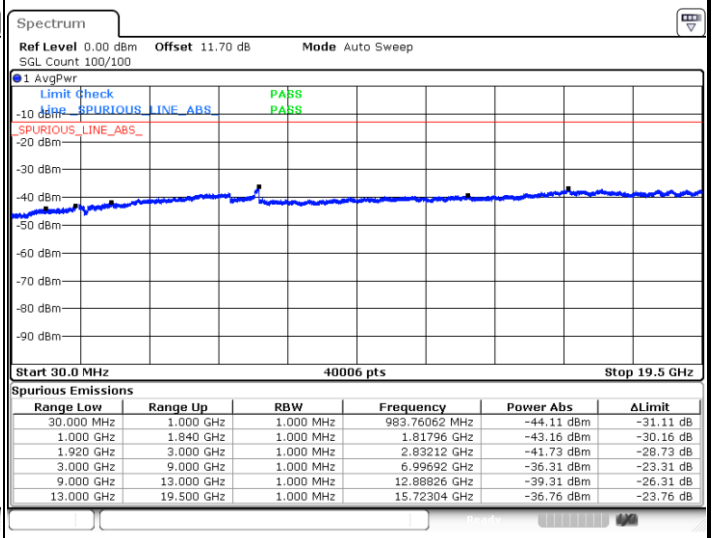


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.11094 MHz	-44.15 dBm	-31.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82972 GHz	-43.10 dBm	-30.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82780 GHz	-41.58 dBm	-28.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99792 GHz	-36.32 dBm	-23.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.89226 GHz	-39.34 dBm	-26.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71054 GHz	-36.80 dBm	-23.80 dB

Date: 19.DEC.2019 21:13:50

Highest Channel / 16QAM



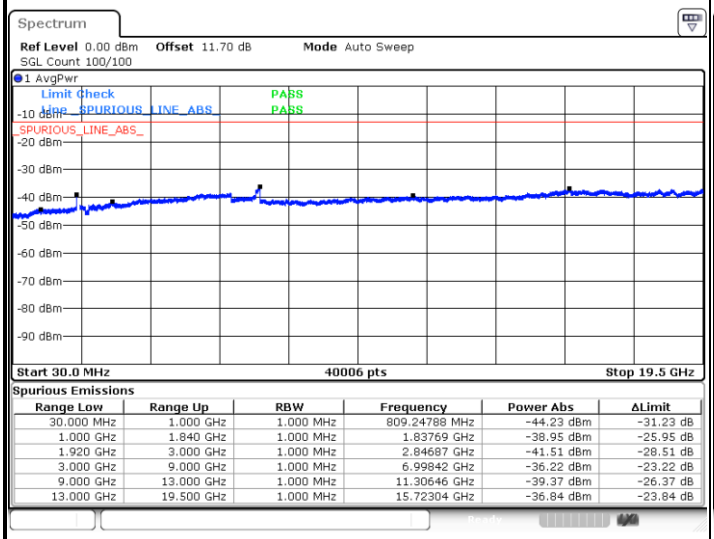
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-44.11 dBm	-31.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81796 GHz	-43.16 dBm	-30.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83212 GHz	-41.73 dBm	-28.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99692 GHz	-36.31 dBm	-23.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.88826 GHz	-39.31 dBm	-26.31 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72304 GHz	-36.76 dBm	-23.76 dB

Date: 19.DEC.2019 21:14:45

LTE Band 2 / 15MHz

Lowest Channel / QPSK

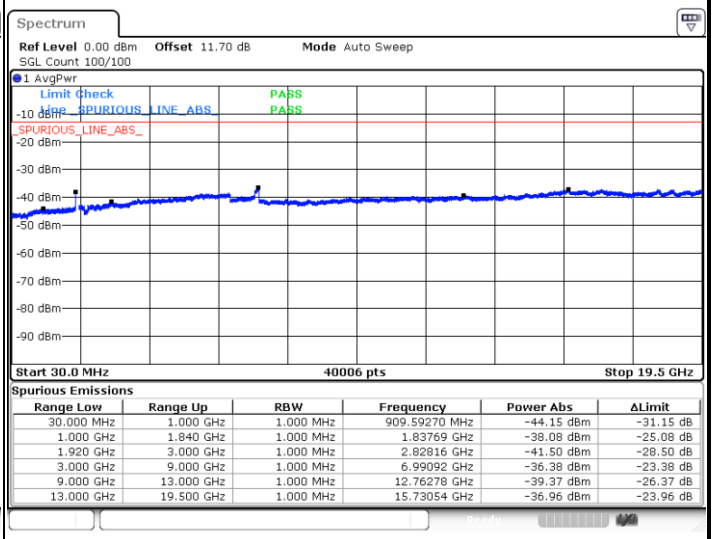


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	809.24788 MHz	-44.23 dBm	-31.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-38.95 dBm	-25.95 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84687 GHz	-41.51 dBm	-28.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99842 GHz	-36.22 dBm	-23.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.30646 GHz	-39.37 dBm	-26.37 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72304 GHz	-36.84 dBm	-23.84 dB

Date: 19.DEC.2019 21:20:02

Lowest Channel / 16QAM

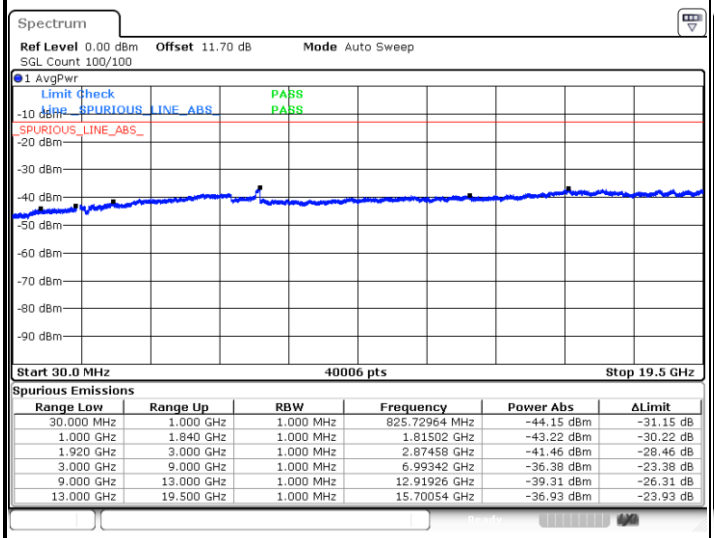


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-44.15 dBm	-31.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-38.08 dBm	-25.08 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82816 GHz	-41.50 dBm	-28.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-36.38 dBm	-23.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.76278 GHz	-39.37 dBm	-26.37 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73054 GHz	-36.96 dBm	-23.96 dB

Date: 19.DEC.2019 21:20:57

Middle Channel / QPSK

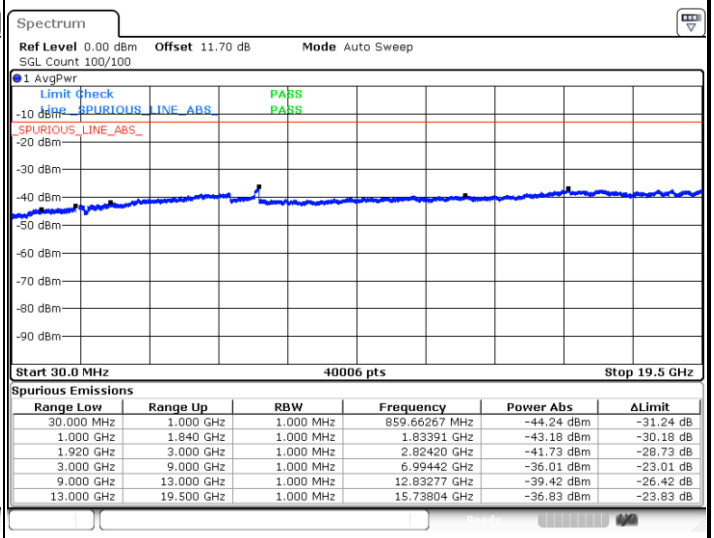


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	825.72964 MHz	-44.15 dBm	-31.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81502 GHz	-43.22 dBm	-30.22 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.87458 GHz	-41.46 dBm	-28.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99342 GHz	-36.38 dBm	-23.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.91926 GHz	-39.31 dBm	-26.31 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.70054 GHz	-36.93 dBm	-23.93 dB

Date: 19.DEC.2019 21:22:44

Middle Channel / 16QAM



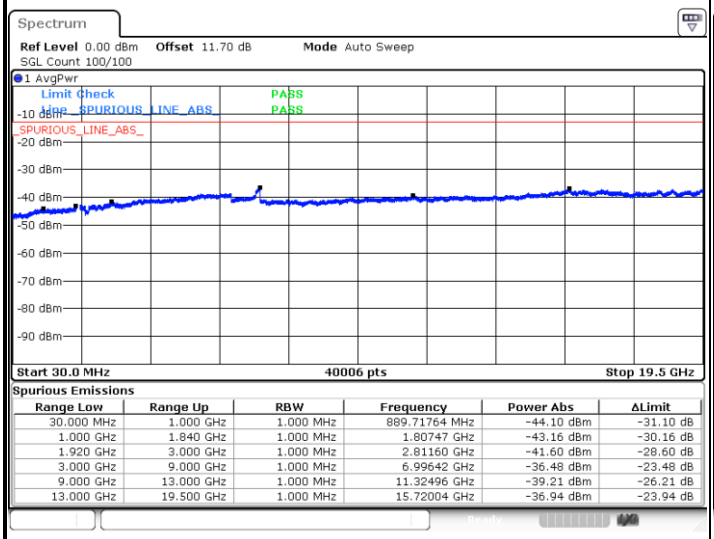
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	859.66267 MHz	-44.24 dBm	-31.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83391 GHz	-43.18 dBm	-30.18 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82420 GHz	-41.73 dBm	-28.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-36.01 dBm	-23.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83277 GHz	-39.42 dBm	-26.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73804 GHz	-36.83 dBm	-23.83 dB

Date: 19.DEC.2019 21:23:38

LTE Band 2 / 15MHz

Highest Channel / QPSK

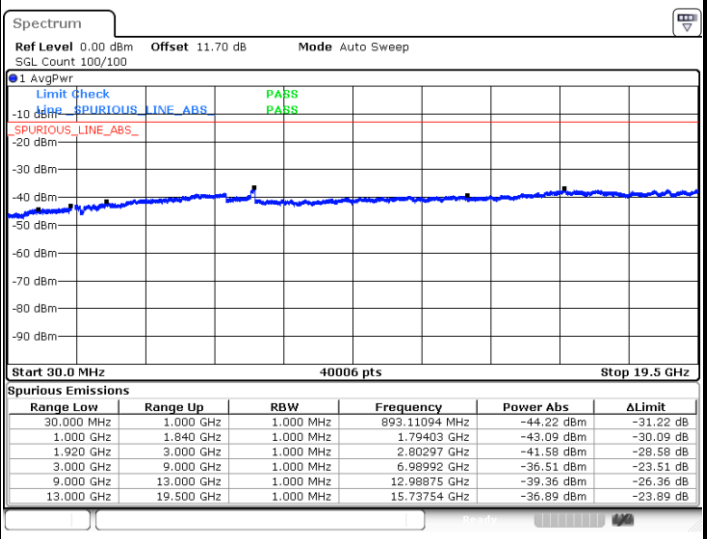


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.71764 MHz	-44.10 dBm	-31.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80747 GHz	-43.16 dBm	-30.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81160 GHz	-41.60 dBm	-28.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99642 GHz	-36.48 dBm	-23.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.32496 GHz	-39.21 dBm	-26.21 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72004 GHz	-36.94 dBm	-23.94 dB

Date: 19.DEC.2019 21:28:52

Highest Channel / 16QAM



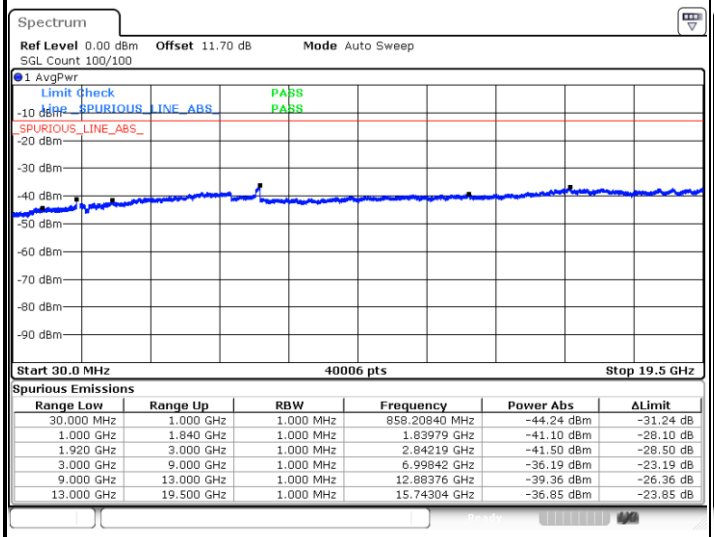
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.11094 MHz	-44.22 dBm	-31.22 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79403 GHz	-43.09 dBm	-30.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80297 GHz	-41.58 dBm	-28.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98992 GHz	-36.51 dBm	-23.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.98875 GHz	-39.36 dBm	-26.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73754 GHz	-36.89 dBm	-23.89 dB

Date: 19.DEC.2019 21:29:47

LTE Band 2 / 20MHz

Lowest Channel / QPSK

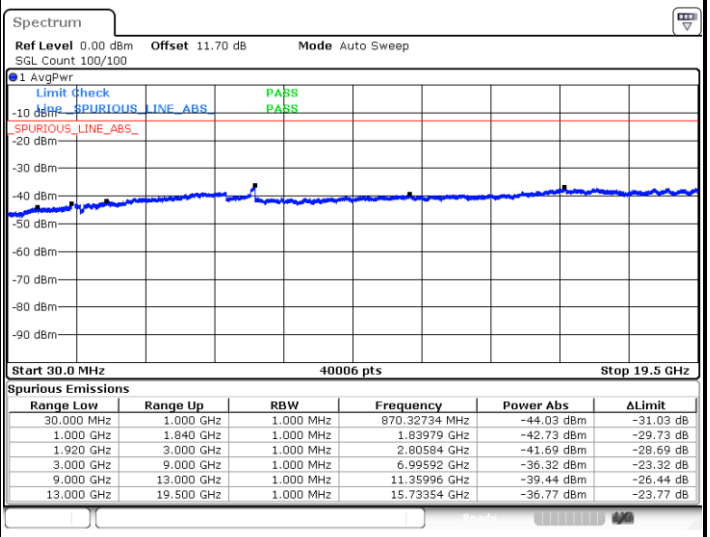


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	858.20840 MHz	-44.24 dBm	-31.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-41.10 dBm	-28.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84219 GHz	-41.50 dBm	-28.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99842 GHz	-36.19 dBm	-23.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.88376 GHz	-39.36 dBm	-26.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74304 GHz	-36.85 dBm	-23.85 dB

Date: 19.DEC.2019 21:35:02

Lowest Channel / 16QAM



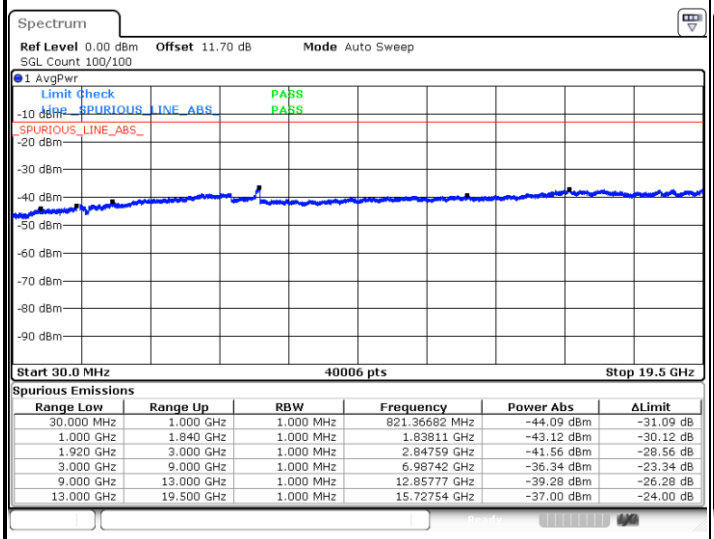
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.32734 MHz	-44.03 dBm	-31.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-42.73 dBm	-29.73 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80584 GHz	-41.69 dBm	-28.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99592 GHz	-36.32 dBm	-23.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.35996 GHz	-39.44 dBm	-26.44 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73354 GHz	-36.77 dBm	-23.77 dB

Date: 19.DEC.2019 21:35:57

LTE Band 2 / 20MHz

Middle Channel / QPSK

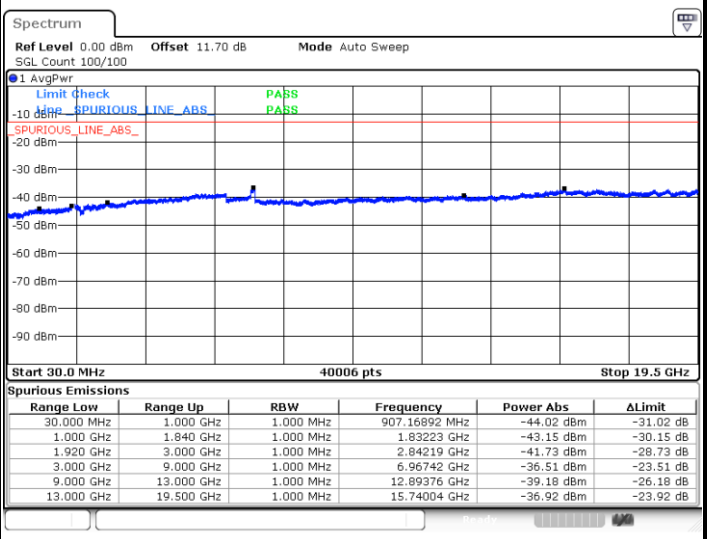


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	821.36682 MHz	-44.09 dBm	-31.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-43.12 dBm	-30.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84759 GHz	-41.56 dBm	-28.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98742 GHz	-36.34 dBm	-23.34 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85777 GHz	-39.28 dBm	-26.28 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72754 GHz	-37.00 dBm	-24.00 dB

Date: 19.DEC.2019 21:37:44

Middle Channel / 16QAM

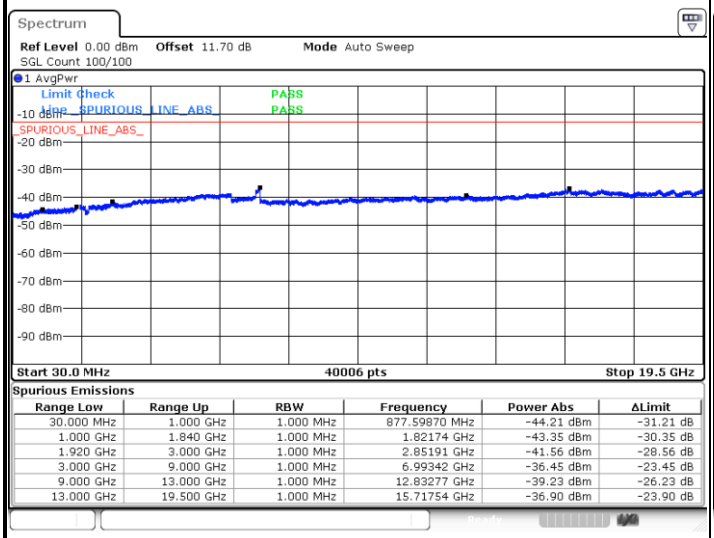


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-44.02 dBm	-31.02 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83223 GHz	-43.15 dBm	-30.15 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84219 GHz	-41.73 dBm	-28.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96742 GHz	-36.51 dBm	-23.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.89376 GHz	-39.18 dBm	-26.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74004 GHz	-36.92 dBm	-23.92 dB

Date: 19.DEC.2019 21:38:38

Highest Channel / QPSK

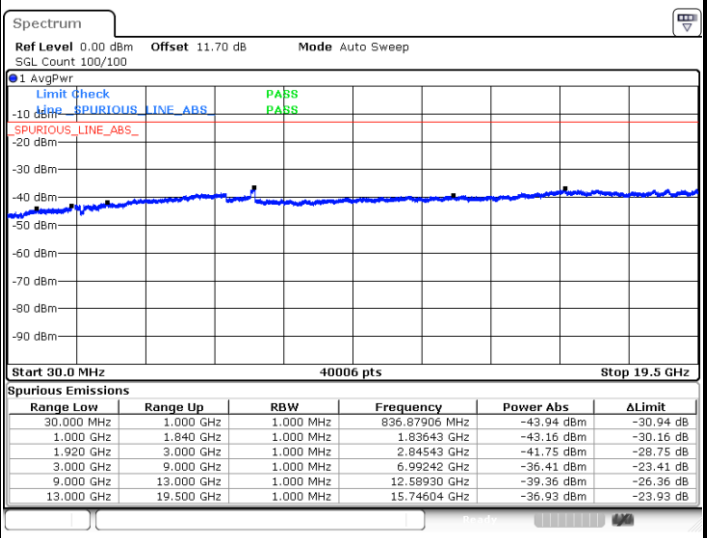


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.59870 MHz	-44.21 dBm	-31.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82174 GHz	-43.35 dBm	-30.35 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85191 GHz	-41.56 dBm	-28.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99342 GHz	-36.45 dBm	-23.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83277 GHz	-39.23 dBm	-26.23 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71754 GHz	-36.90 dBm	-23.90 dB

Date: 19.DEC.2019 21:43:54

Highest Channel / 16QAM



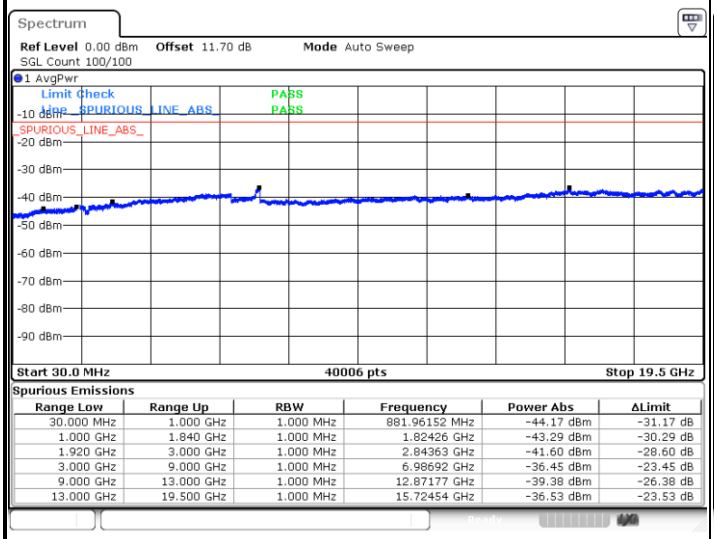
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	836.87906 MHz	-43.94 dBm	-30.94 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83643 GHz	-43.16 dBm	-30.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84543 GHz	-41.75 dBm	-28.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99242 GHz	-36.41 dBm	-23.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.58930 GHz	-39.36 dBm	-26.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74604 GHz	-36.93 dBm	-23.93 dB

Date: 19.DEC.2019 21:44:48

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

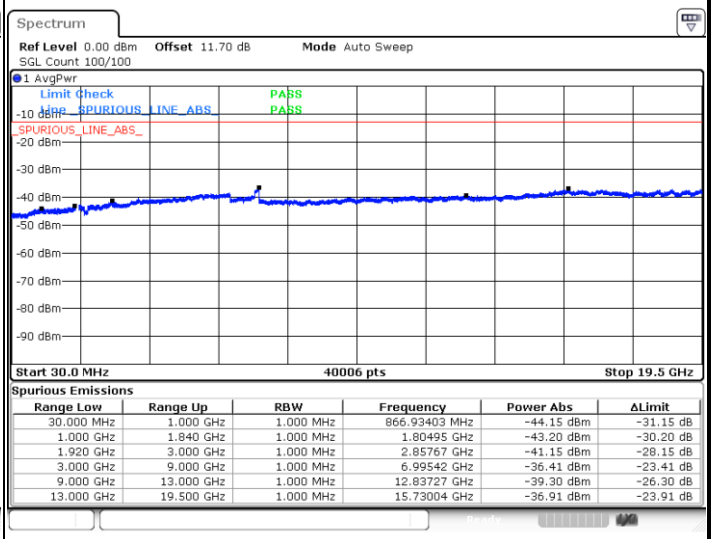


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.96152 MHz	-44.17 dBm	-31.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82426 GHz	-43.29 dBm	-30.29 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84363 GHz	-41.60 dBm	-28.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98692 GHz	-36.45 dBm	-23.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.87177 GHz	-39.38 dBm	-26.38 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72454 GHz	-36.53 dBm	-23.53 dB

Date: 19.DEC.2019 19:55:54

Middle Channel / 64QAM

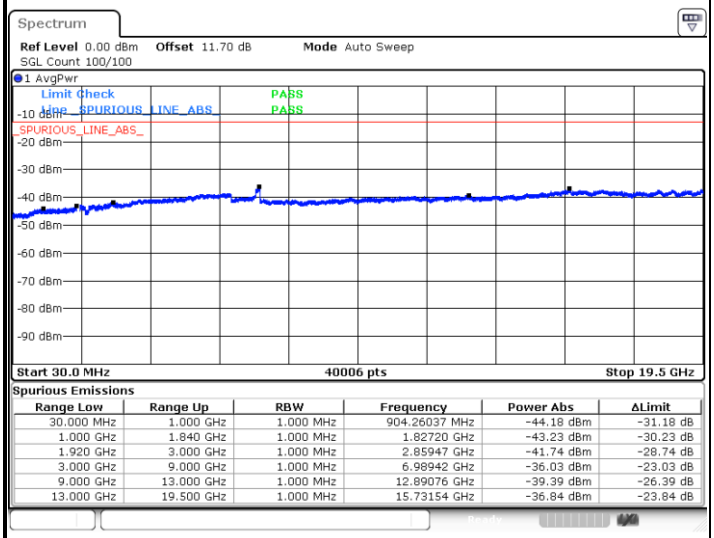


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	866.93403 MHz	-44.15 dBm	-31.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80495 GHz	-43.20 dBm	-30.20 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85767 GHz	-41.15 dBm	-28.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99542 GHz	-36.41 dBm	-23.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83727 GHz	-39.30 dBm	-26.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73004 GHz	-36.91 dBm	-23.91 dB

Date: 19.DEC.2019 19:57:25

Highest Channel / 64QAM



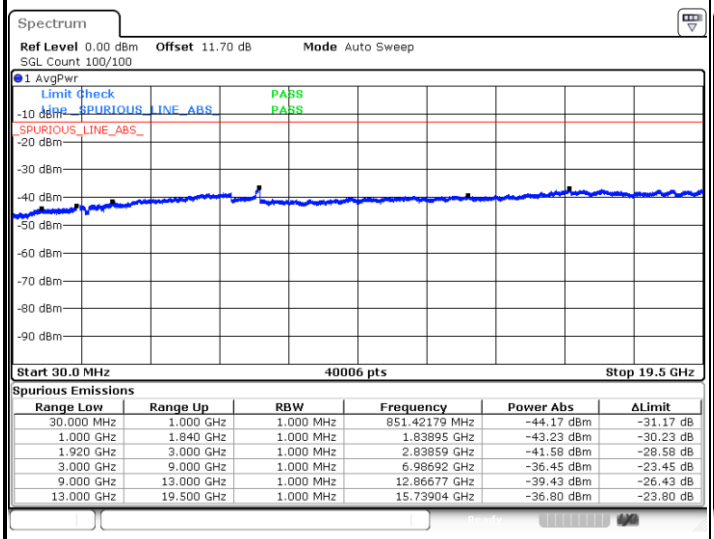
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.26037 MHz	-44.18 dBm	-31.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82720 GHz	-43.23 dBm	-30.23 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85947 GHz	-41.74 dBm	-28.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-36.03 dBm	-23.03 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.89076 GHz	-39.39 dBm	-26.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73154 GHz	-36.84 dBm	-23.84 dB

Date: 19.DEC.2019 20:01:40

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

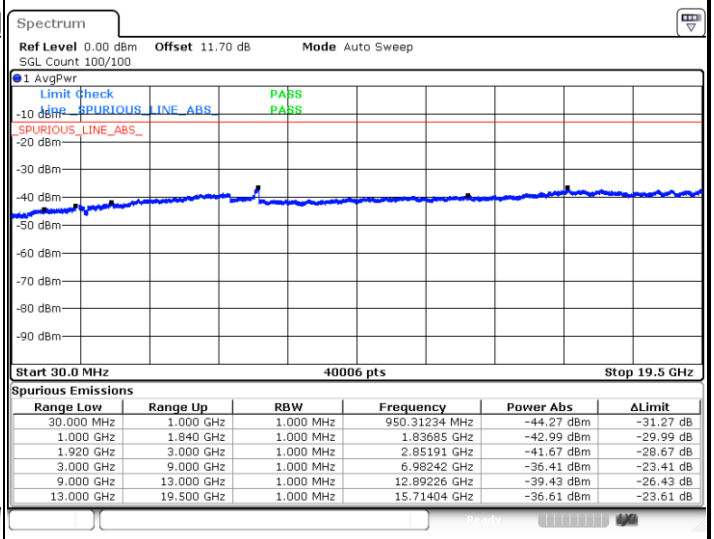


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	851.42179 MHz	-44.17 dBm	-31.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-43.23 dBm	-30.23 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83859 GHz	-41.58 dBm	-28.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98692 GHz	-36.45 dBm	-23.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86677 GHz	-39.43 dBm	-26.43 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73904 GHz	-36.80 dBm	-23.80 dB

Date: 19.DEC.2019 21:47:54

Middle Channel / 64QAM

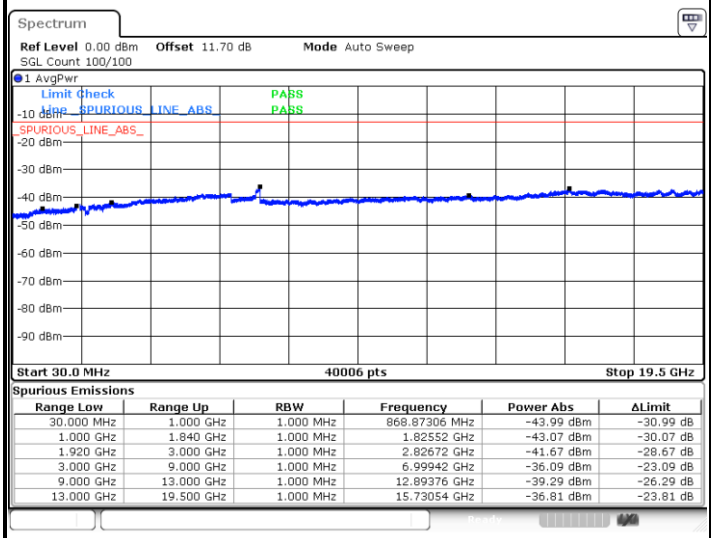


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-44.27 dBm	-31.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83685 GHz	-42.99 dBm	-29.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85191 GHz	-41.67 dBm	-28.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98242 GHz	-36.41 dBm	-23.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.89226 GHz	-39.43 dBm	-26.43 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71404 GHz	-36.61 dBm	-23.61 dB

Date: 19.DEC.2019 21:49:15

Highest Channel / 64QAM



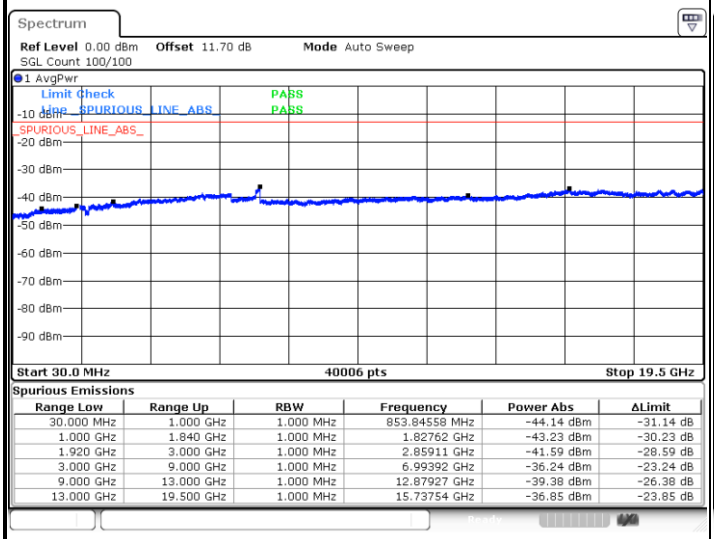
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.87306 MHz	-43.99 dBm	-30.99 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82552 GHz	-43.07 dBm	-30.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82672 GHz	-41.67 dBm	-28.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-36.09 dBm	-23.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.89376 GHz	-39.29 dBm	-26.29 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73054 GHz	-36.81 dBm	-23.81 dB

Date: 19.DEC.2019 21:52:19

LTE Band 2 / 5MHz

Lowest Channel / 64QAM

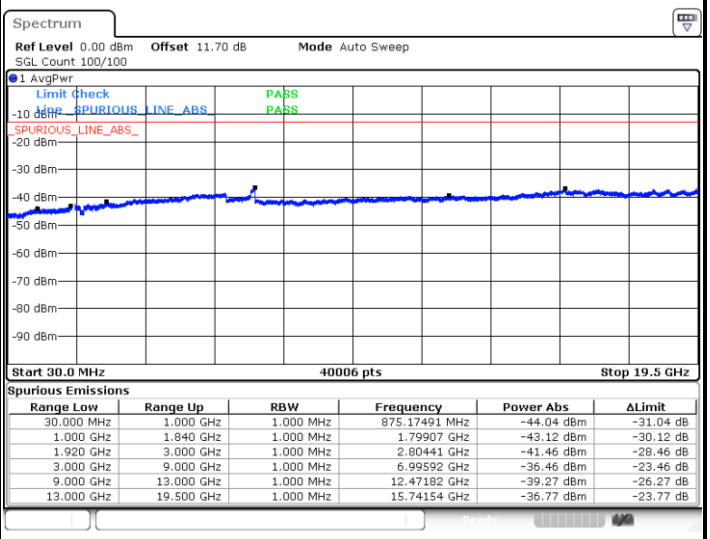


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	853.84558 MHz	-44.14 dBm	-31.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82762 GHz	-43.23 dBm	-30.23 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85911 GHz	-41.59 dBm	-28.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-36.24 dBm	-23.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.87927 GHz	-39.38 dBm	-26.38 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73754 GHz	-36.85 dBm	-23.85 dB

Date: 19.DEC.2019 21:55:24

Middle Channel / 64QAM

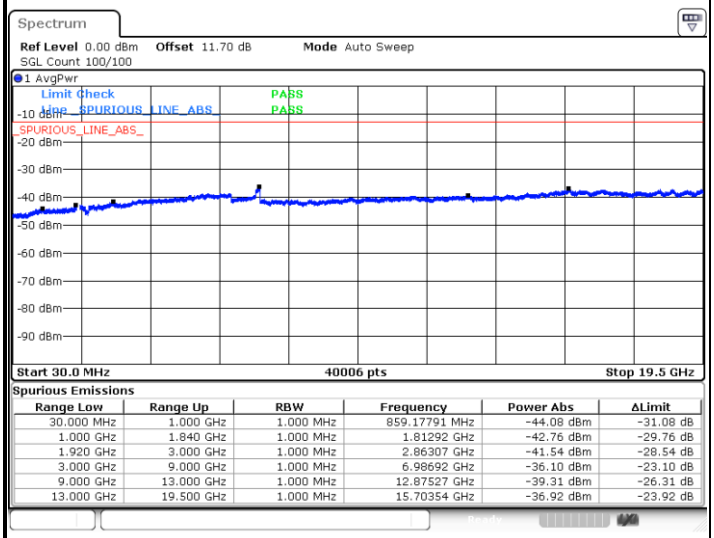


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	875.17491 MHz	-44.04 dBm	-31.04 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79907 GHz	-43.12 dBm	-30.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80441 GHz	-41.46 dBm	-28.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99592 GHz	-36.46 dBm	-23.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.47182 GHz	-39.27 dBm	-26.27 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74154 GHz	-36.77 dBm	-23.77 dB

Date: 19.DEC.2019 21:56:45

Highest Channel / 64QAM



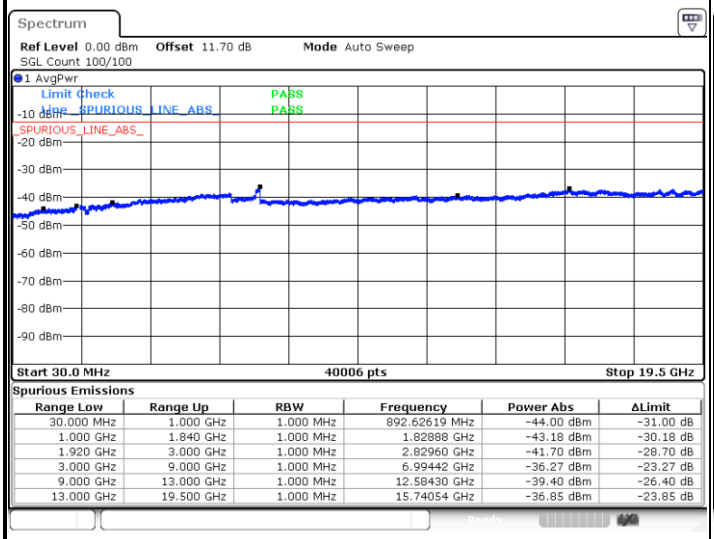
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	859.17791 MHz	-44.08 dBm	-31.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81292 GHz	-42.76 dBm	-29.76 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86307 GHz	-41.54 dBm	-28.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98692 GHz	-36.10 dBm	-23.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.87527 GHz	-39.31 dBm	-26.31 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.70354 GHz	-36.92 dBm	-23.92 dB

Date: 19.DEC.2019 21:59:48

LTE Band 2 / 10MHz

Lowest Channel / 64QAM

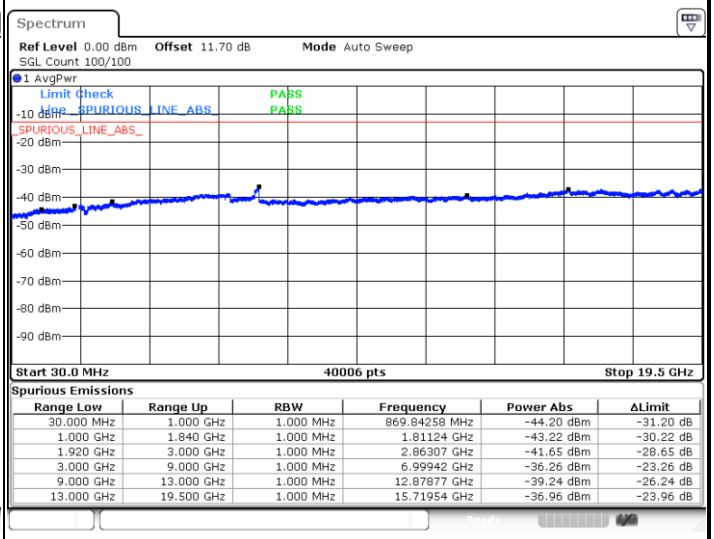


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-44.00 dBm	-31.00 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82888 GHz	-43.18 dBm	-30.18 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82960 GHz	-41.70 dBm	-28.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-36.27 dBm	-23.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.58430 GHz	-39.40 dBm	-26.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74054 GHz	-36.85 dBm	-23.85 dB

Date: 19.DEC.2019 22:02:53

Middle Channel / 64QAM

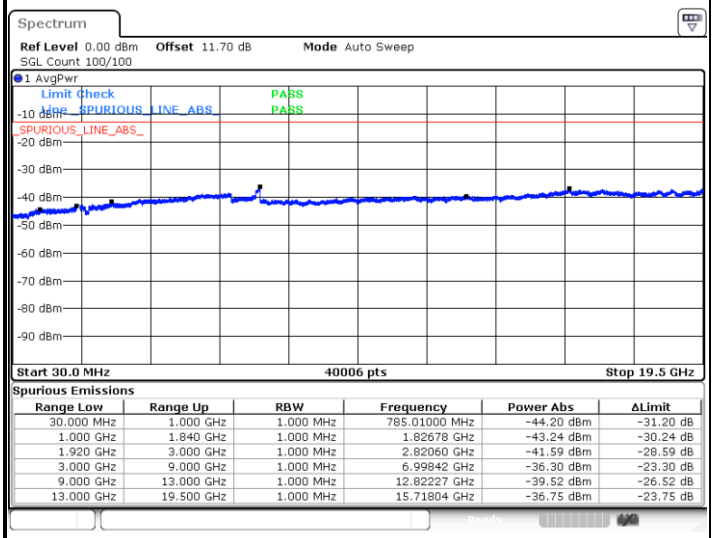


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.84258 MHz	-44.20 dBm	-31.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81124 GHz	-43.22 dBm	-30.22 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86307 GHz	-41.65 dBm	-28.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-36.26 dBm	-23.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.87877 GHz	-39.24 dBm	-26.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71954 GHz	-36.96 dBm	-23.96 dB

Date: 19.DEC.2019 22:04:13

Highest Channel / 64QAM



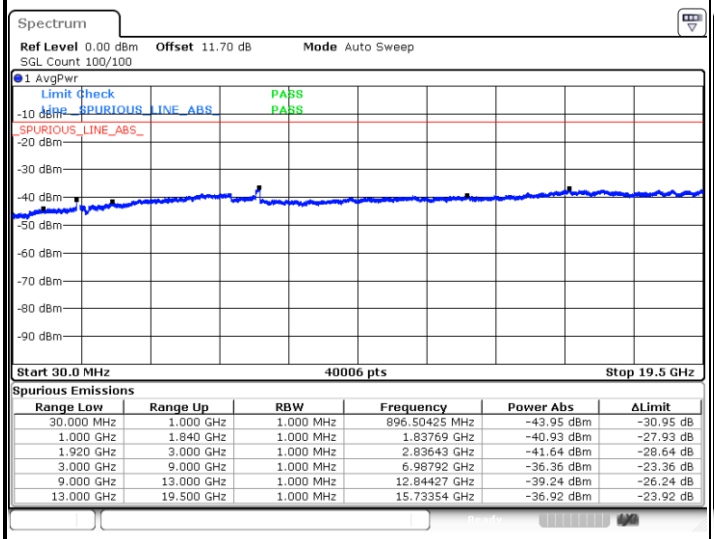
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	785.01000 MHz	-44.20 dBm	-31.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82678 GHz	-43.24 dBm	-30.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82060 GHz	-41.59 dBm	-28.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99842 GHz	-36.30 dBm	-23.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82227 GHz	-39.52 dBm	-26.52 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71804 GHz	-36.75 dBm	-23.75 dB

Date: 19.DEC.2019 22:07:17

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

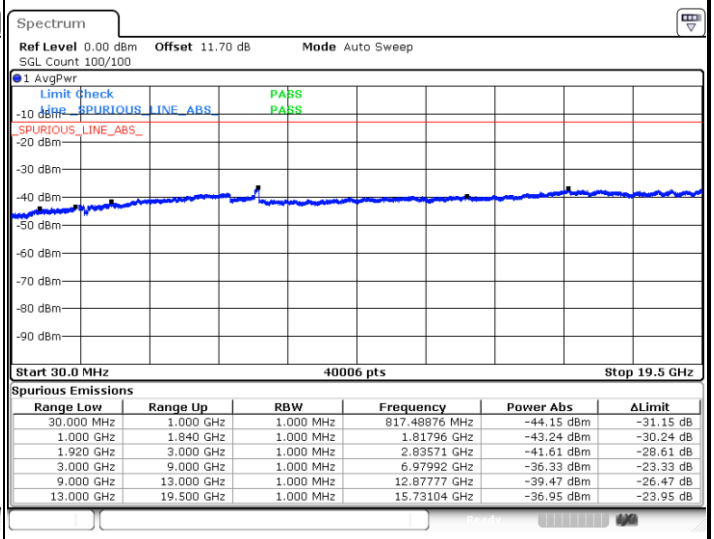


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-43.95 dBm	-30.95 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-40.93 dBm	-27.93 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83643 GHz	-41.64 dBm	-28.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98792 GHz	-36.36 dBm	-23.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84427 GHz	-39.24 dBm	-26.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73354 GHz	-36.92 dBm	-23.92 dB

Date: 19.DEC.2019 22:10:25

Middle Channel / 64QAM

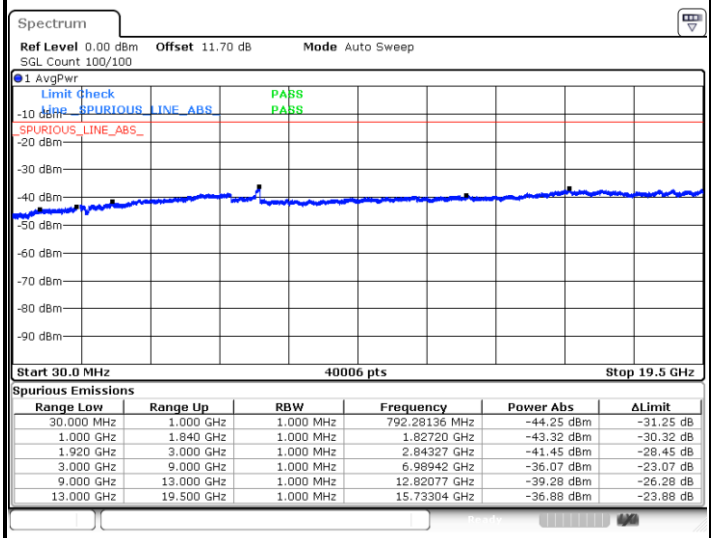


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	817.48876 MHz	-44.15 dBm	-31.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81796 GHz	-43.24 dBm	-30.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83571 GHz	-41.61 dBm	-28.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97992 GHz	-36.33 dBm	-23.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.87777 GHz	-39.47 dBm	-26.47 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73104 GHz	-36.95 dBm	-23.95 dB

Date: 19.DEC.2019 22:11:47

Highest Channel / 64QAM



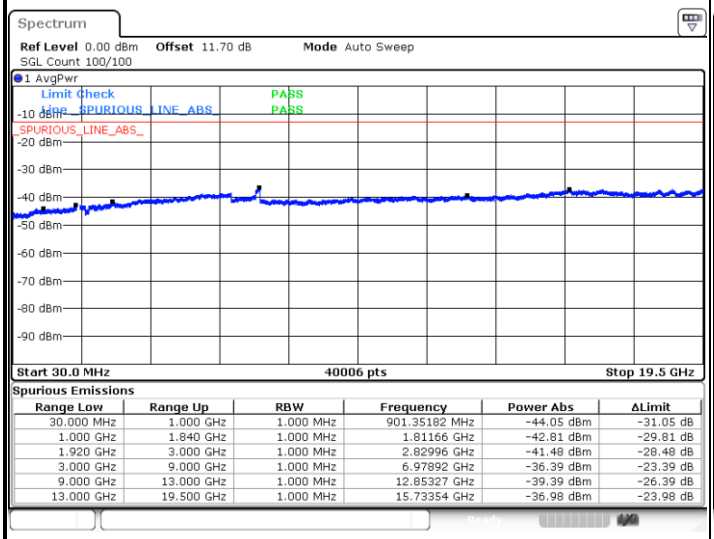
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	792.28136 MHz	-44.25 dBm	-31.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82720 GHz	-43.32 dBm	-30.32 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84327 GHz	-41.45 dBm	-28.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-36.07 dBm	-23.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82077 GHz	-39.28 dBm	-26.28 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73304 GHz	-36.88 dBm	-23.88 dB

Date: 19.DEC.2019 22:14:51

LTE Band 2 / 20MHz

Lowest Channel / 64QAM

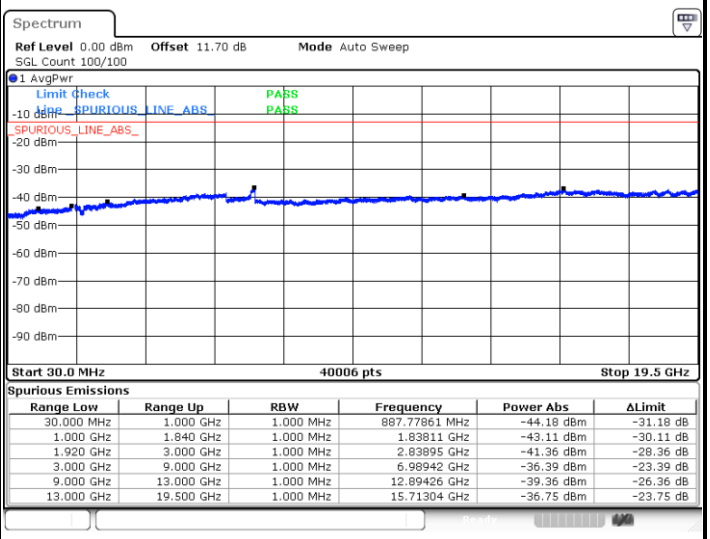


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-44.05 dBm	-31.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81166 GHz	-42.81 dBm	-29.81 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82996 GHz	-41.48 dBm	-28.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97892 GHz	-36.39 dBm	-23.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85327 GHz	-39.39 dBm	-26.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73354 GHz	-36.98 dBm	-23.98 dB

Date: 19.DEC.2019 22:17:55

Middle Channel / 64QAM

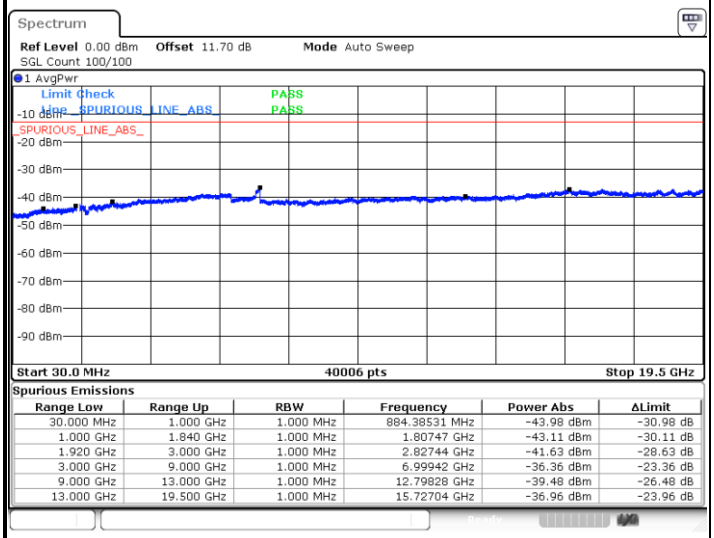


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	887.77861 MHz	-44.18 dBm	-31.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-43.11 dBm	-30.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83895 GHz	-41.36 dBm	-28.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-36.39 dBm	-23.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.89426 GHz	-39.36 dBm	-26.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71304 GHz	-36.75 dBm	-23.75 dB

Date: 19.DEC.2019 22:19:16

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	884.38531 MHz	-43.98 dBm	-30.98 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80747 GHz	-43.11 dBm	-30.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82744 GHz	-41.63 dBm	-28.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-36.36 dBm	-23.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.79828 GHz	-39.48 dBm	-26.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72704 GHz	-36.96 dBm	-23.96 dB

Date: 19.DEC.2019 22:22:20

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	0.0014	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0058	
0	Normal Voltage	0.0077	
-10	Normal Voltage	0.0061	
-20	Normal Voltage	0.0069	
-30	Normal Voltage	0.0053	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

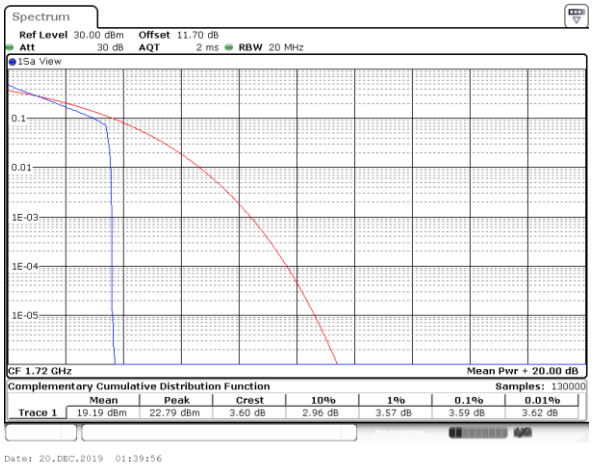
LTE Band 4

Peak-to-Average Ratio

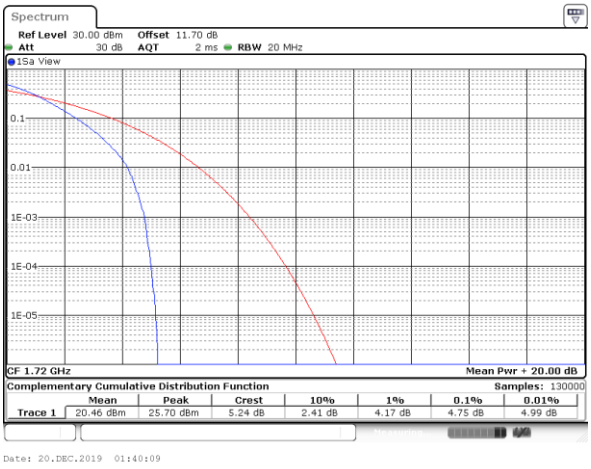
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.59	4.75	4.46	5.83	PASS
Middle CH	3.74	4.72	5.36	5.71	
Highest CH	3.65	4.72	4.20	5.77	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.35	6.46	-	-	PASS
Middle CH	6.96	6.49	-	-	
Highest CH	6.46	6.49	-	-	

LTE Band 4 / 20MHz / QPSK

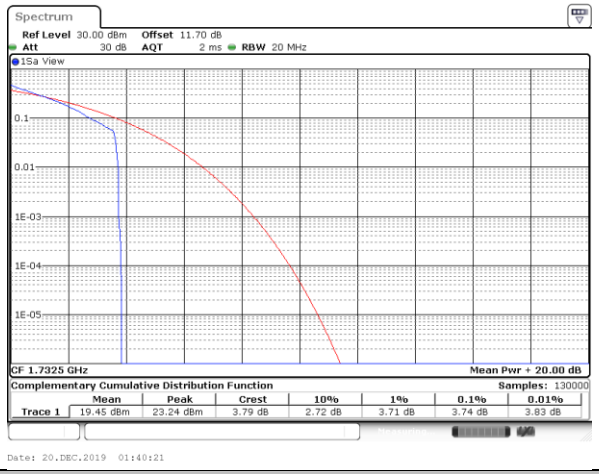
Lowest Channel / 1RB



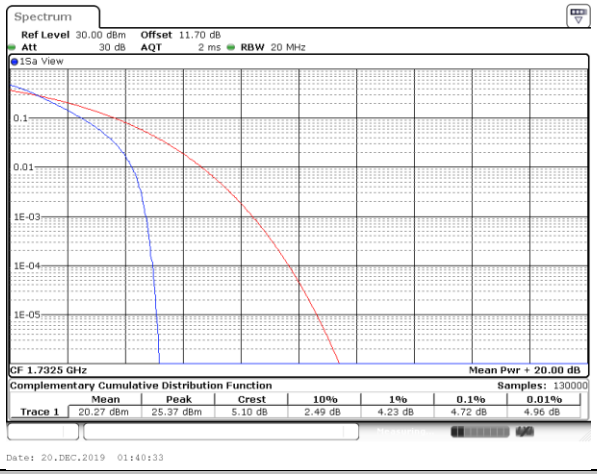
Lowest Channel / Full RB



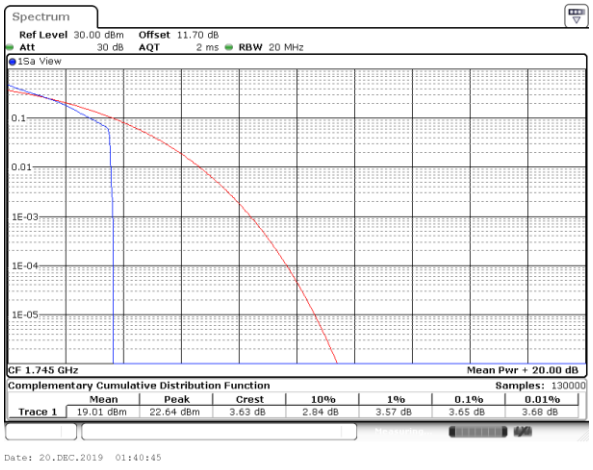
Middle Channel / 1RB



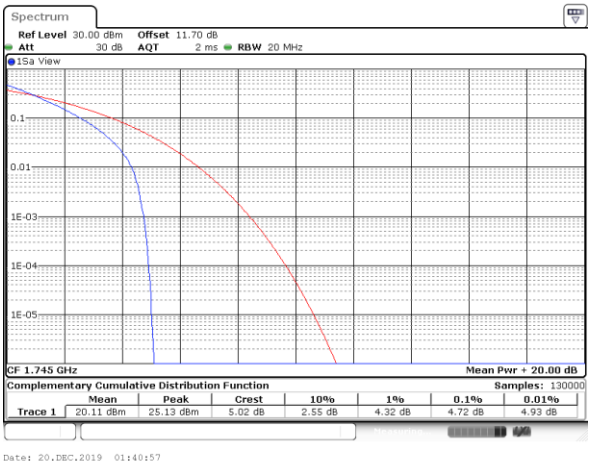
Middle Channel / Full RB



Highest Channel / 1RB

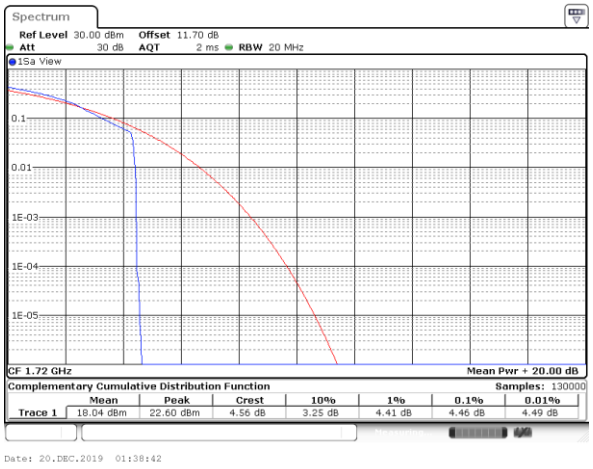


Highest Channel / Full RB

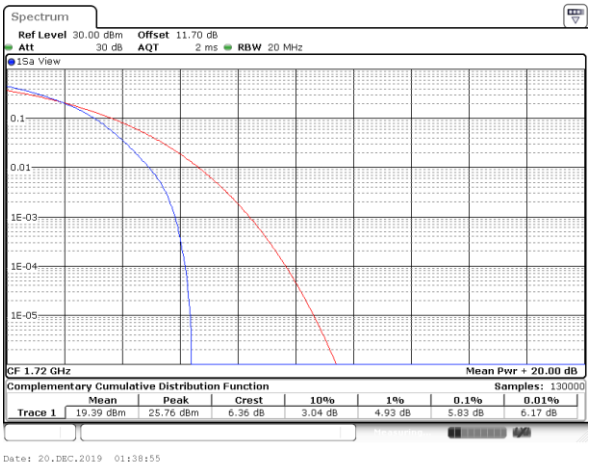


LTE Band 4 / 20MHz / 16QAM

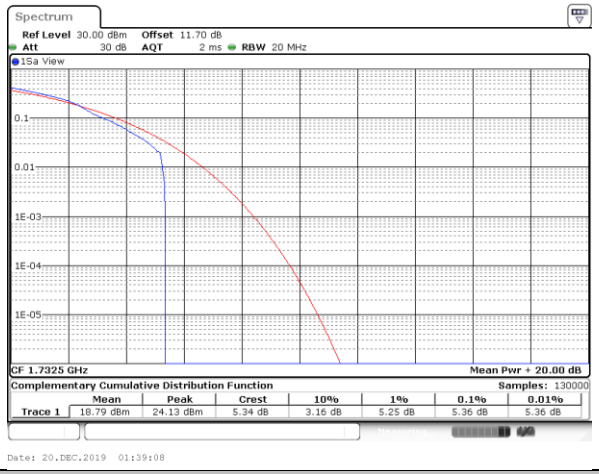
Lowest Channel / 1RB



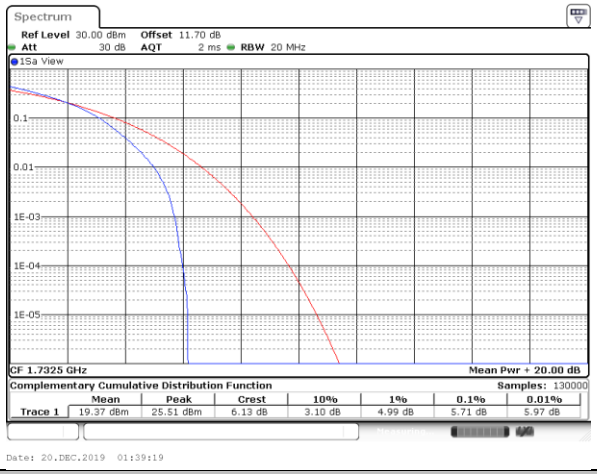
Lowest Channel / Full RB



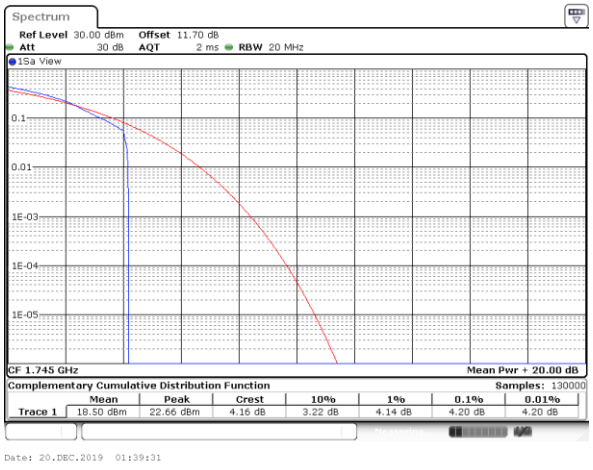
Middle Channel / 1RB



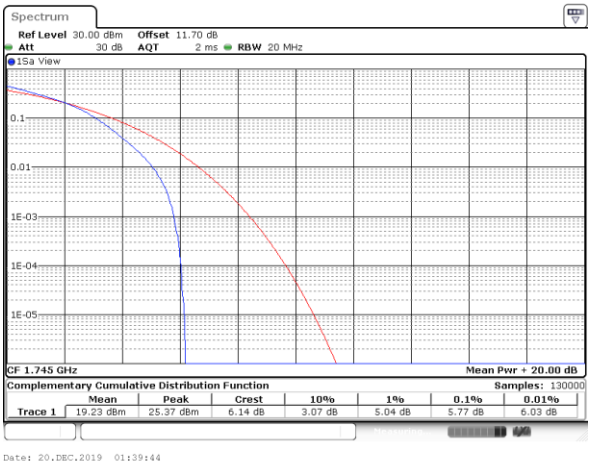
Middle Channel / Full RB



Highest Channel / 1RB

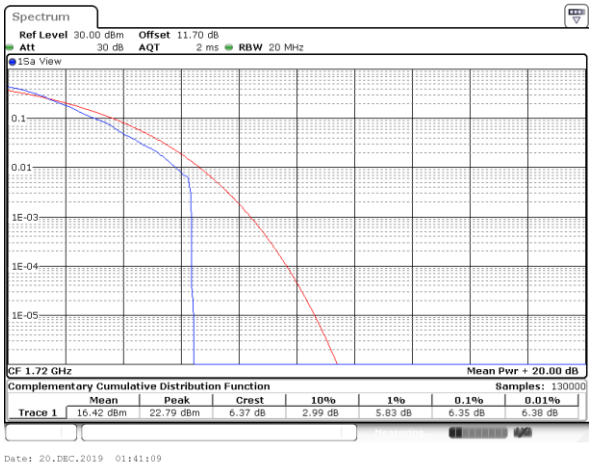


Highest Channel / Full RB

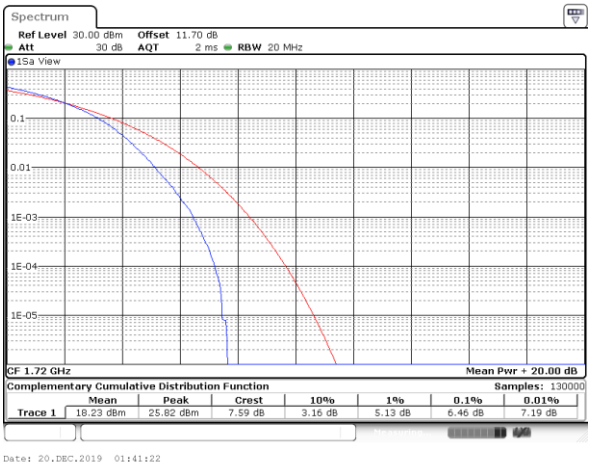


LTE Band 4 / 20MHz / 64QAM

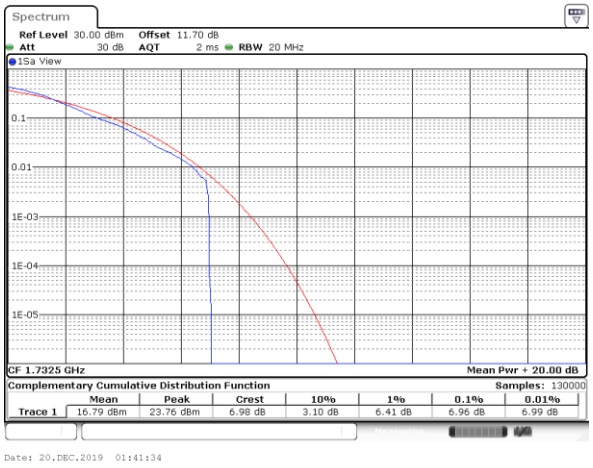
Lowest Channel / 1RB



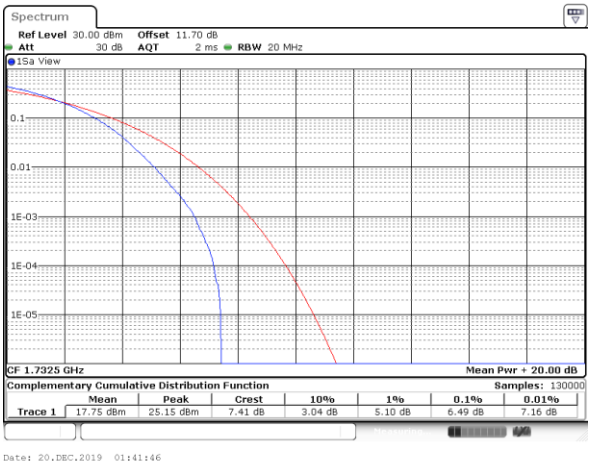
Lowest Channel / Full RB



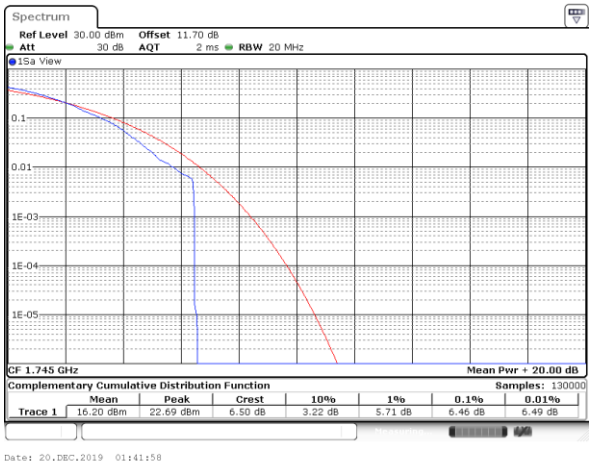
Middle Channel / 1RB



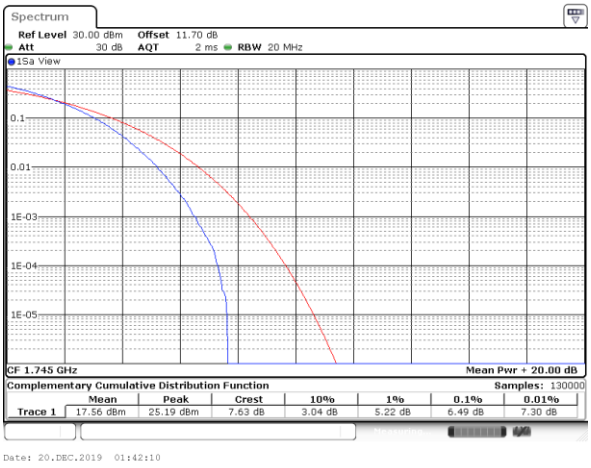
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

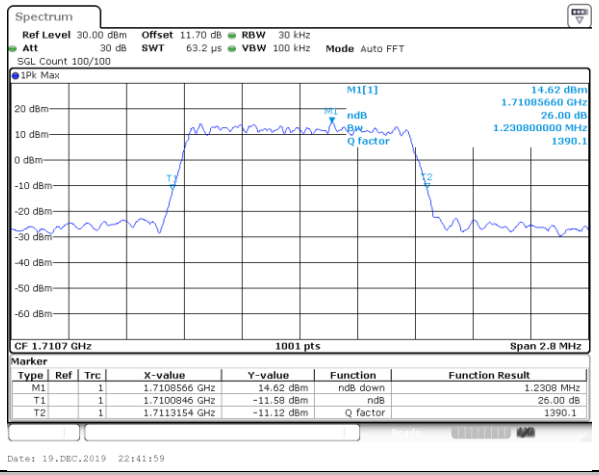


26dB Bandwidth

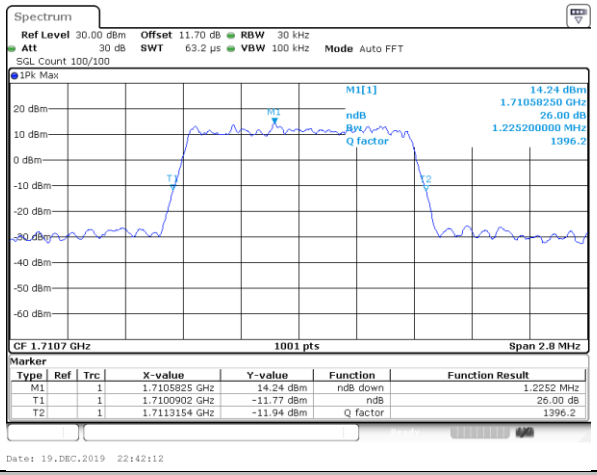
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.23	3.03	3.05	4.82	4.95	9.77	9.77	14.27	14.30	18.98	18.74
Middle CH	1.22	1.23	3.03	2.97	4.88	4.96	9.79	9.63	14.42	14.42	19.22	18.82
Highest CH	1.22	1.23	2.98	3.06	4.94	4.90	9.75	9.79	14.39	14.24	19.22	18.86
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.00	-	4.86	-	9.69	-	14.42	-	18.94	-
Middle CH	1.22	-	3.00	-	4.87	-	9.83	-	14.30	-	18.74	-
Highest CH	1.24	-	3.00	-	4.91	-	9.75	-	14.51	-	19.26	-

LTE Band 4

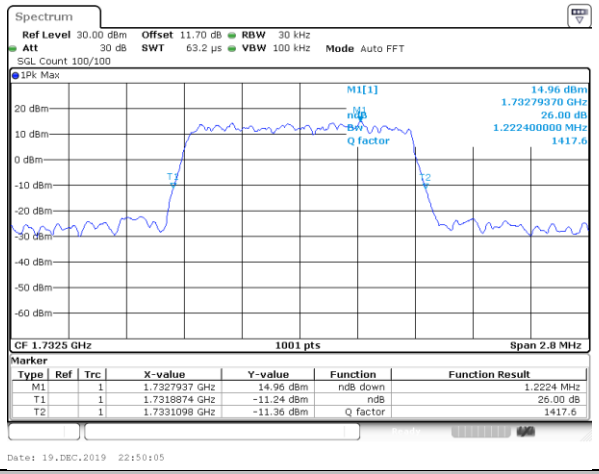
Lowest Channel / 1.4MHz / QPSK



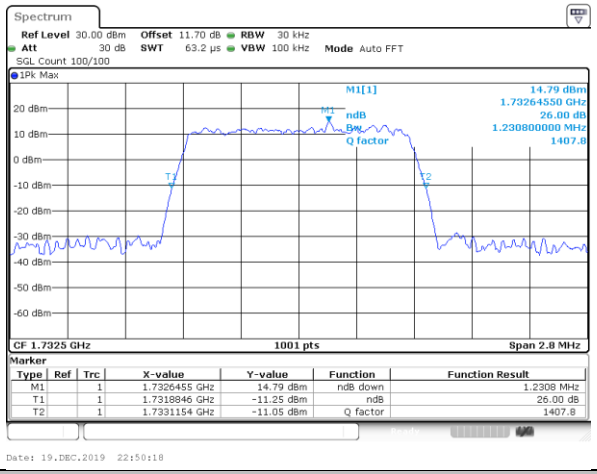
Lowest Channel / 1.4MHz / 16QAM



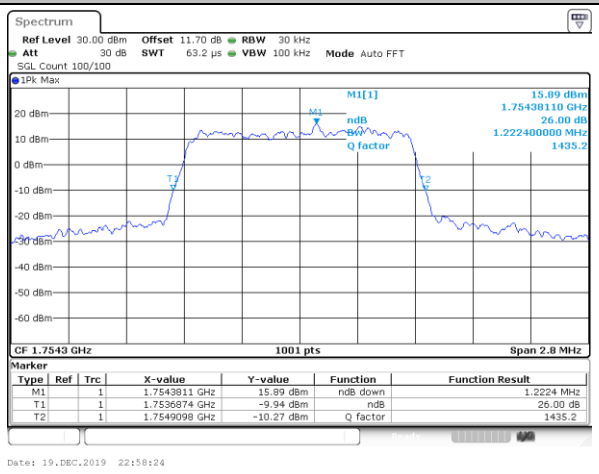
Middle Channel / 1.4MHz / QPSK



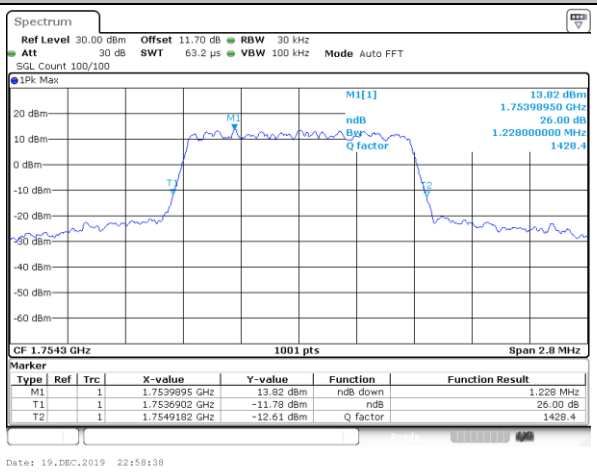
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

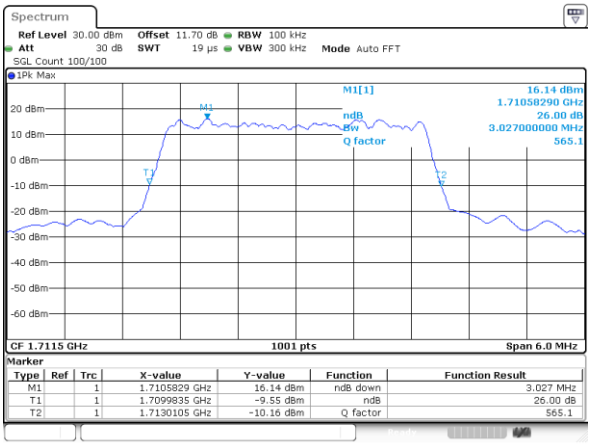


Highest Channel / 1.4MHz / 16QAM

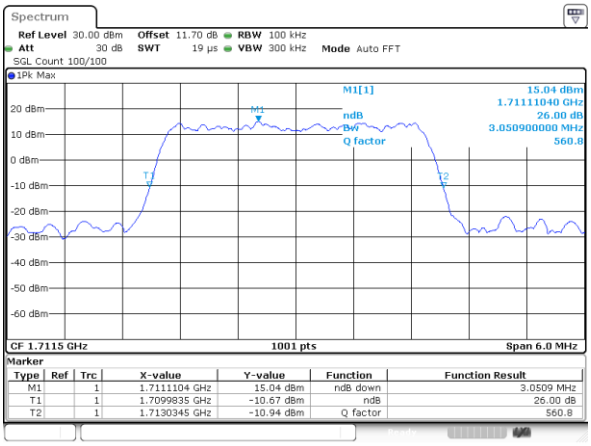


LTE Band 4

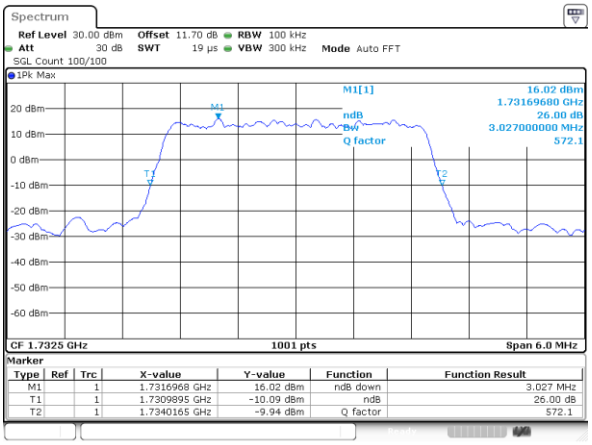
Lowest Channel / 3MHz / QPSK



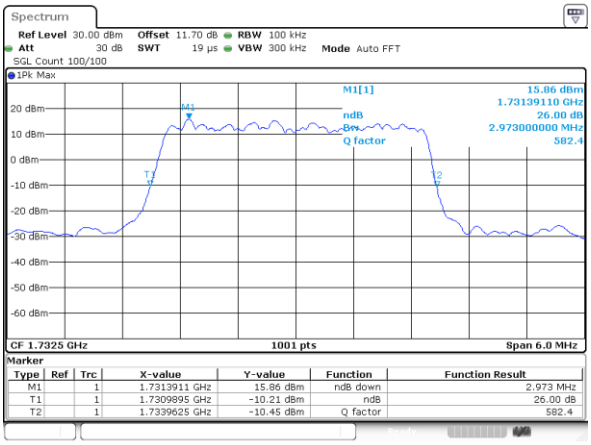
Lowest Channel / 3MHz / 16QAM



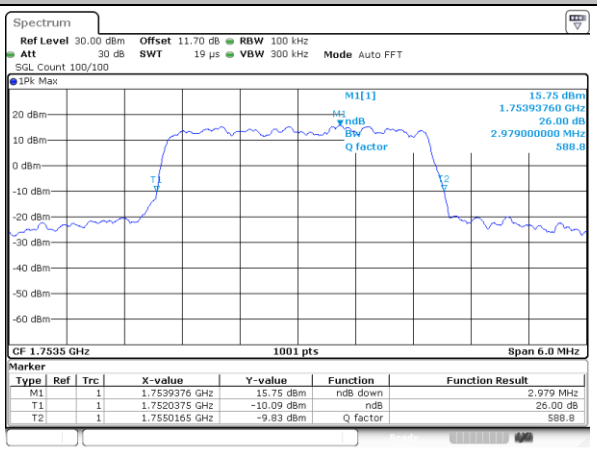
Middle Channel / 3MHz / QPSK



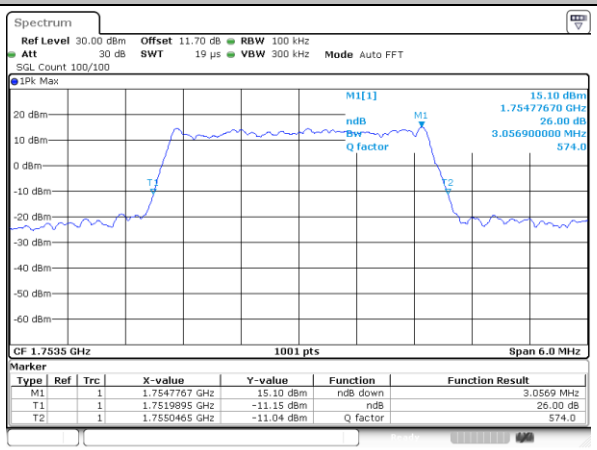
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

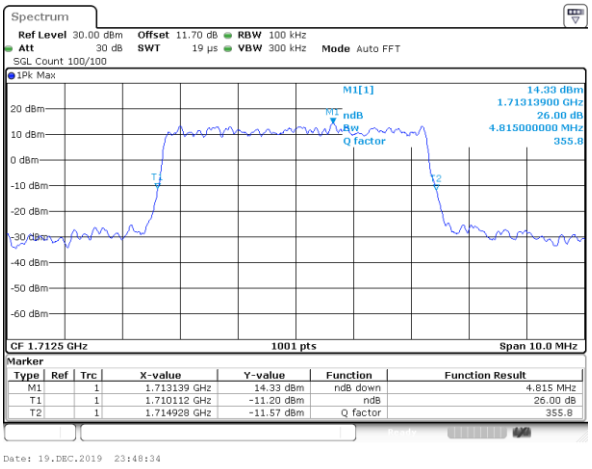


Highest Channel / 3MHz / 16QAM

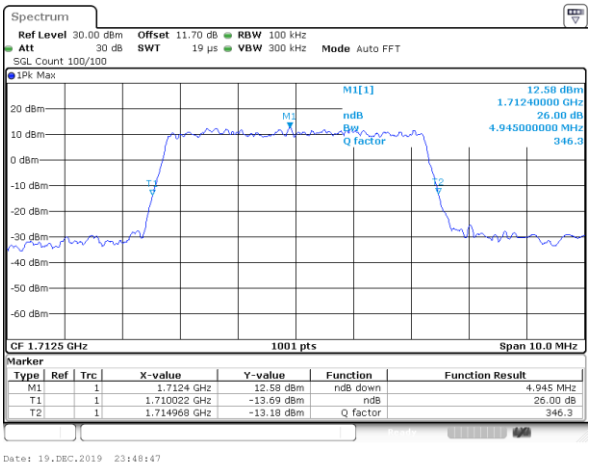


LTE Band 4

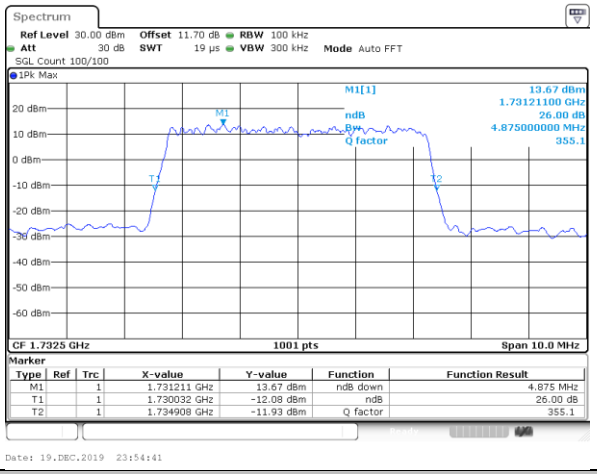
Lowest Channel / 5MHz / QPSK



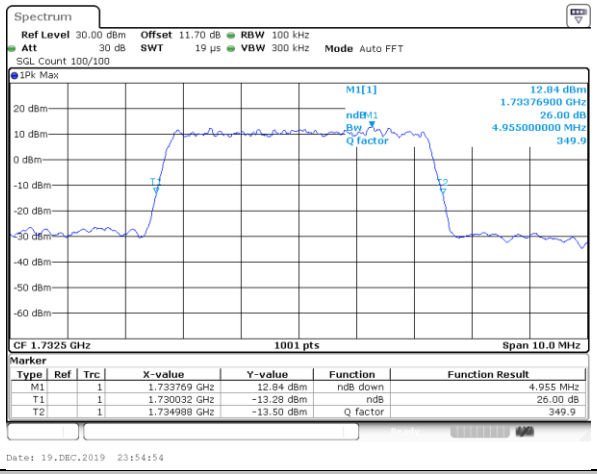
Lowest Channel / 5MHz / 16QAM



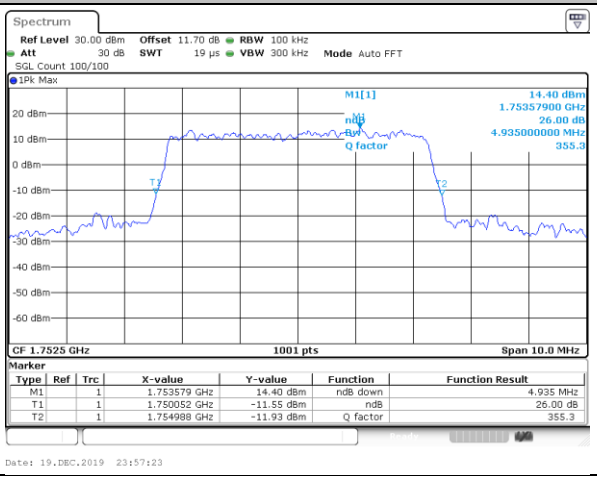
Middle Channel / 5MHz / QPSK



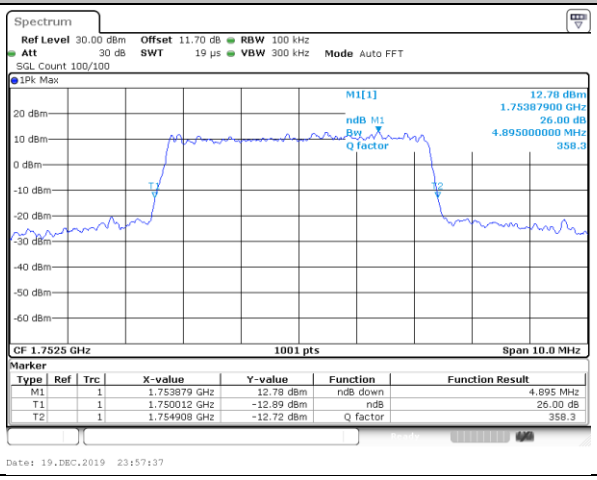
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

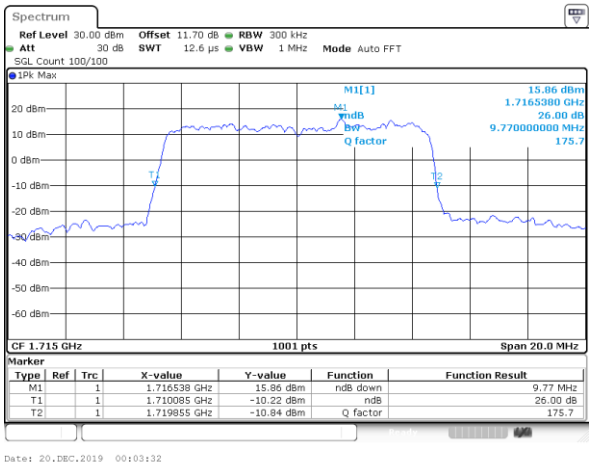


Highest Channel / 5MHz / 16QAM

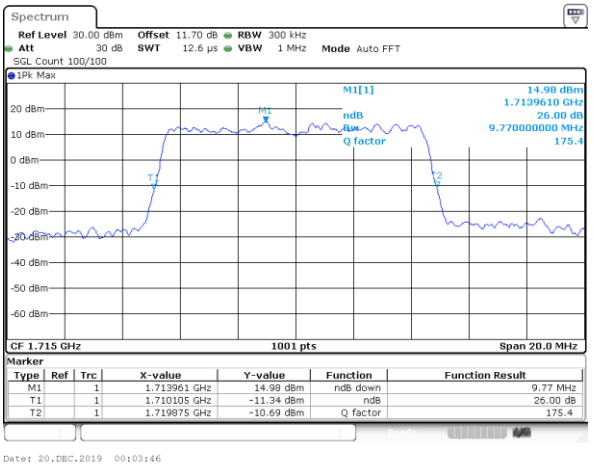


LTE Band 4

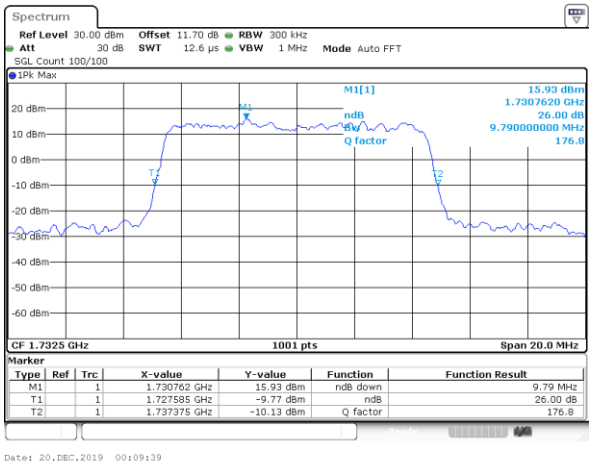
Lowest Channel / 10MHz / QPSK



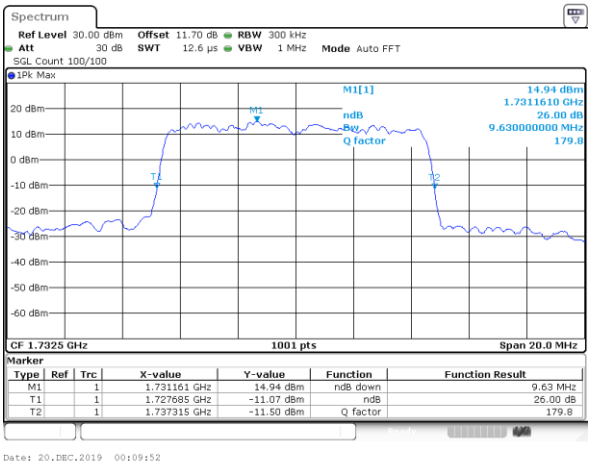
Lowest Channel / 10MHz / 16QAM



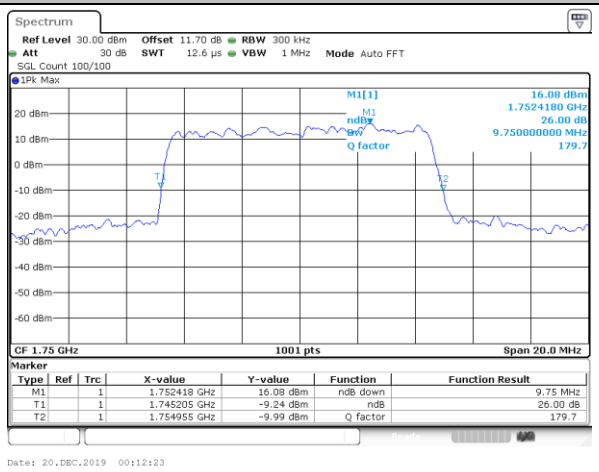
Middle Channel / 10MHz / QPSK



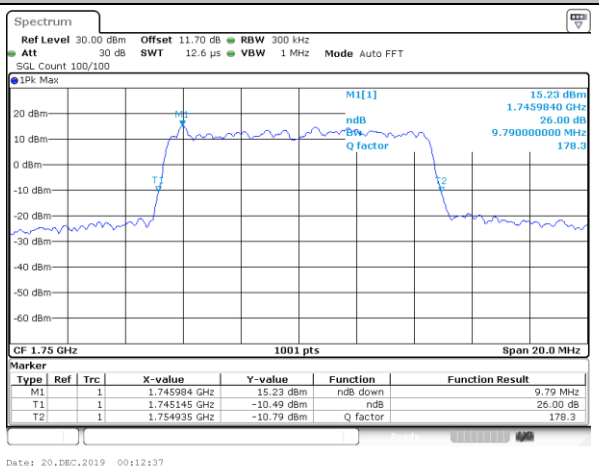
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

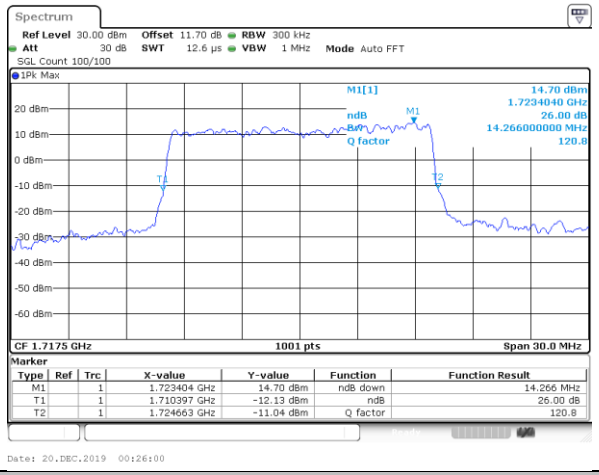


Highest Channel / 10MHz / 16QAM

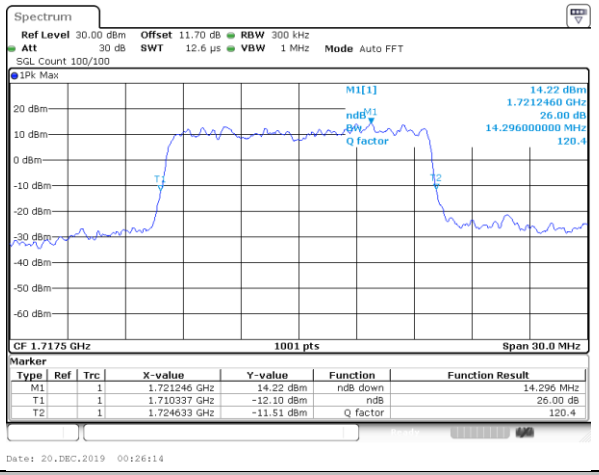


LTE Band 4

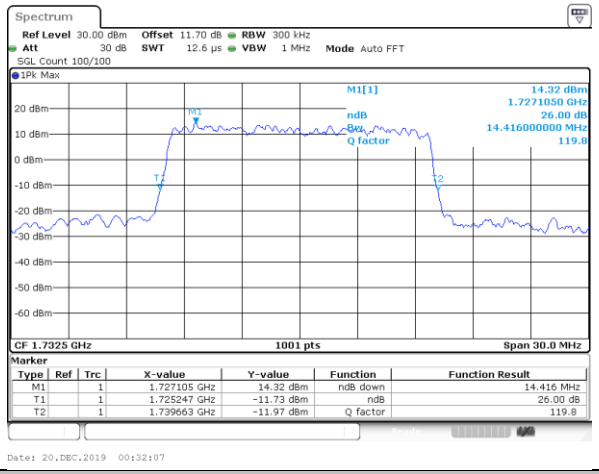
Lowest Channel / 15MHz / QPSK



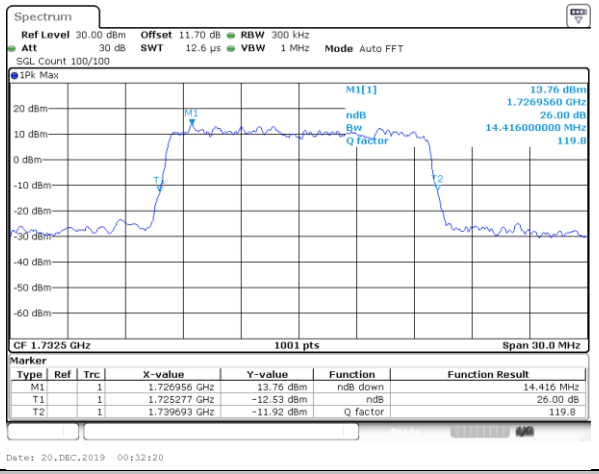
Lowest Channel / 15MHz / 16QAM



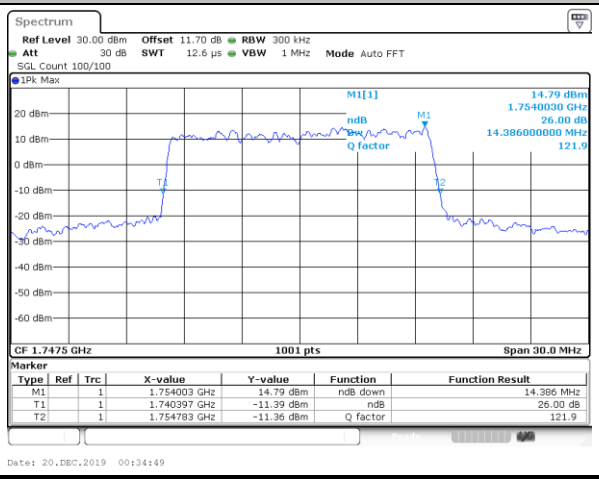
Middle Channel / 15MHz / QPSK



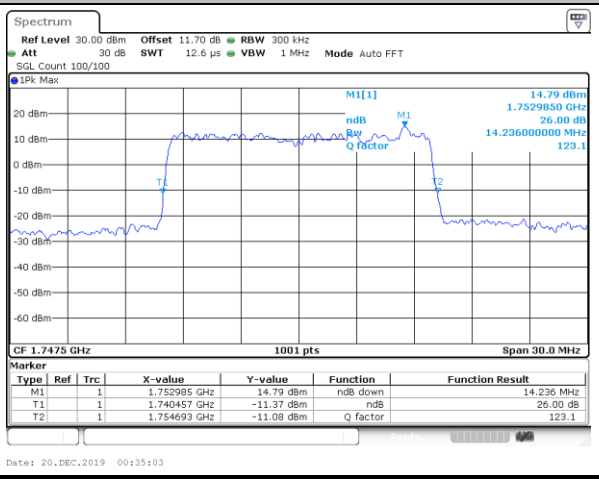
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

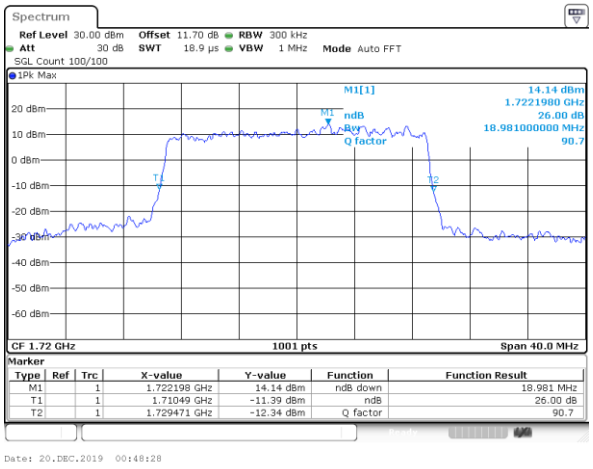


Highest Channel / 15MHz / 16QAM

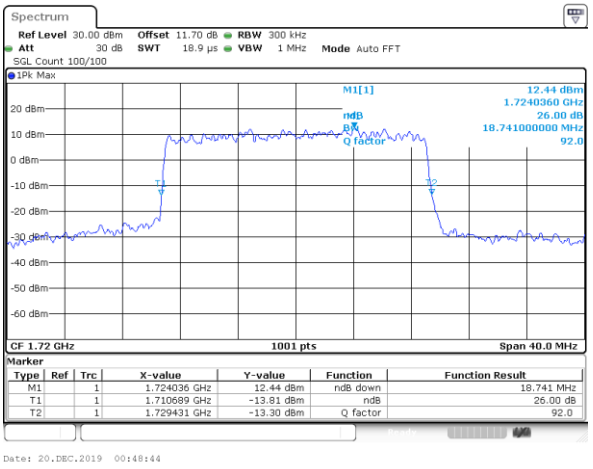


LTE Band 4

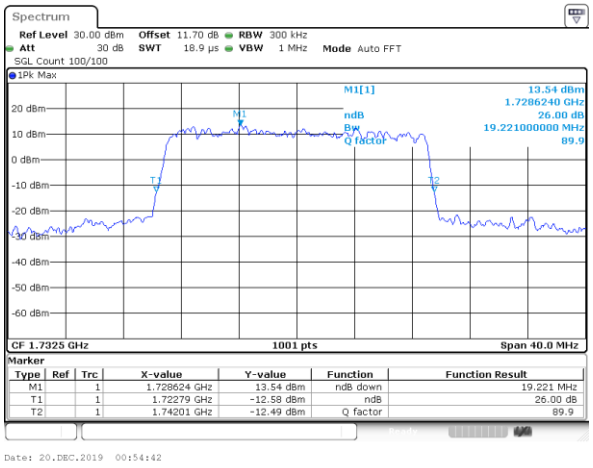
Lowest Channel / 20MHz / QPSK



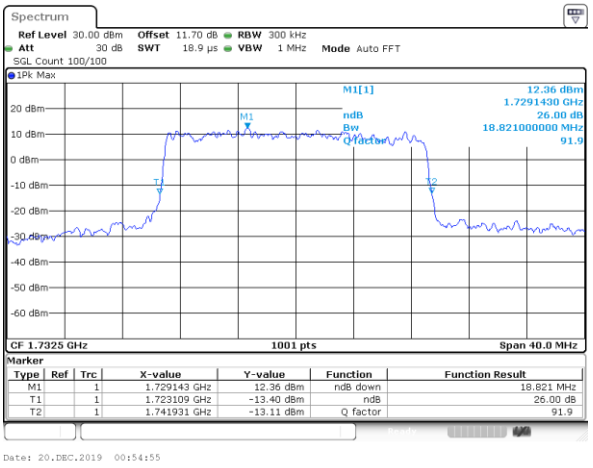
Lowest Channel / 20MHz / 16QAM



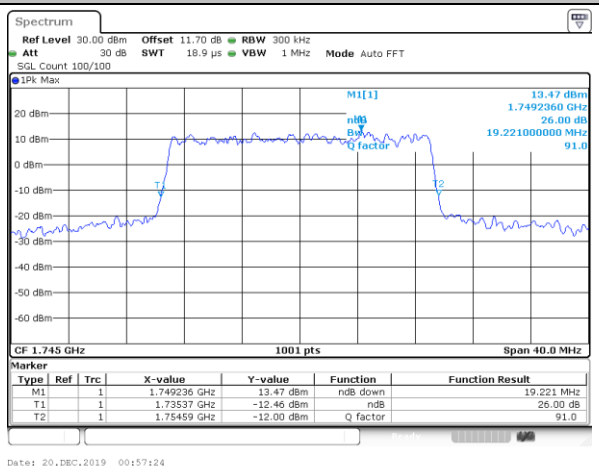
Middle Channel / 20MHz / QPSK



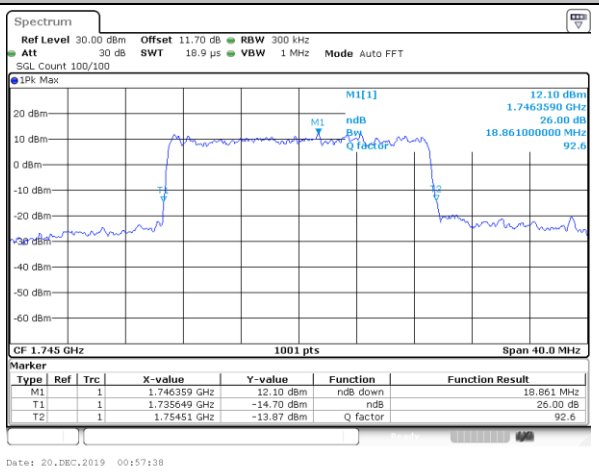
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

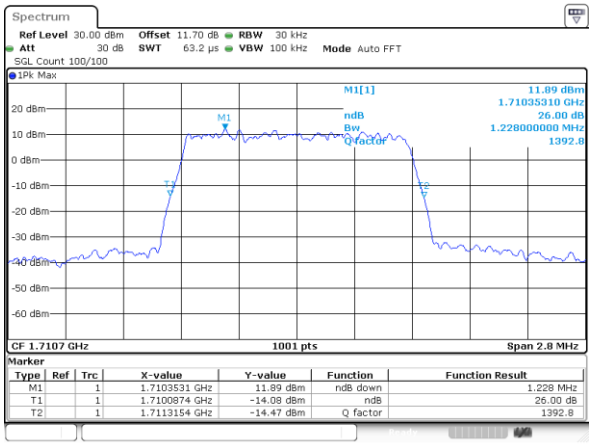


Highest Channel / 20MHz / 16QAM

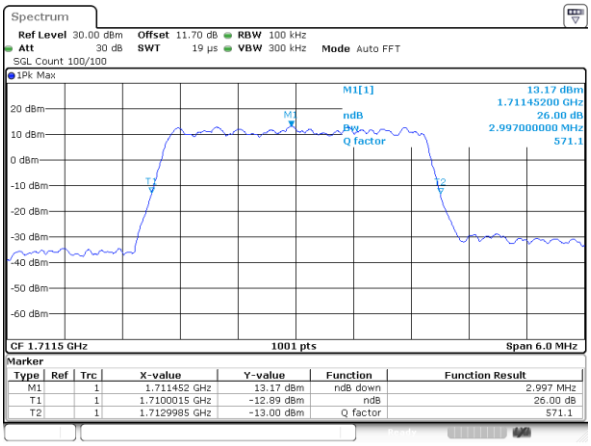


LTE Band 4

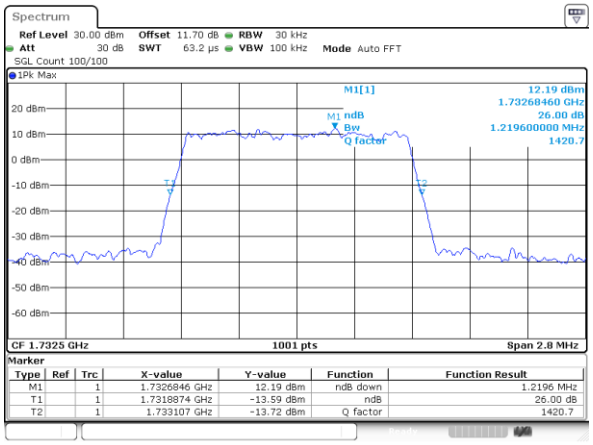
Lowest Channel / 1.4MHz / 64QAM



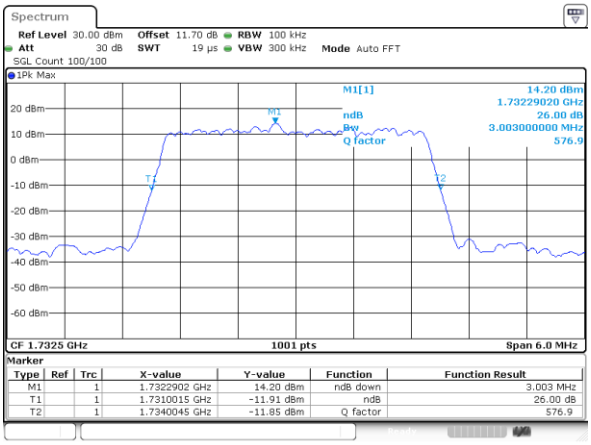
Lowest Channel / 3MHz / 64QAM



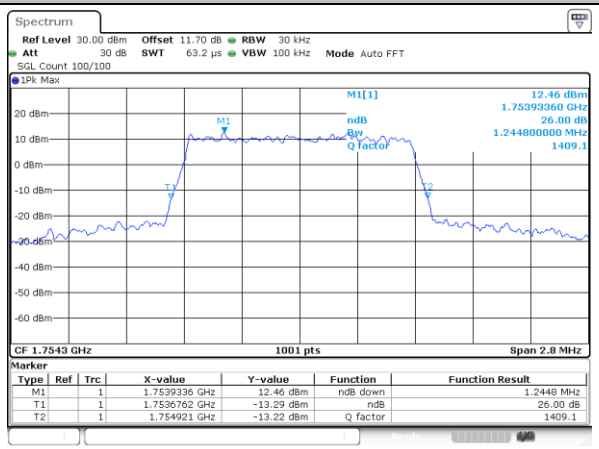
Middle Channel / 1.4MHz / 64QAM



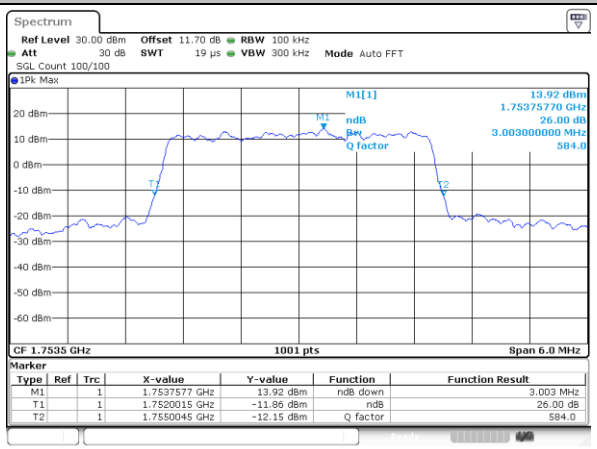
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

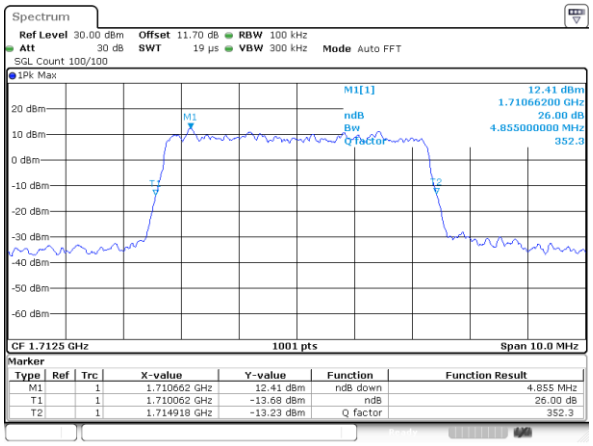


Highest Channel / 3MHz / 64QAM

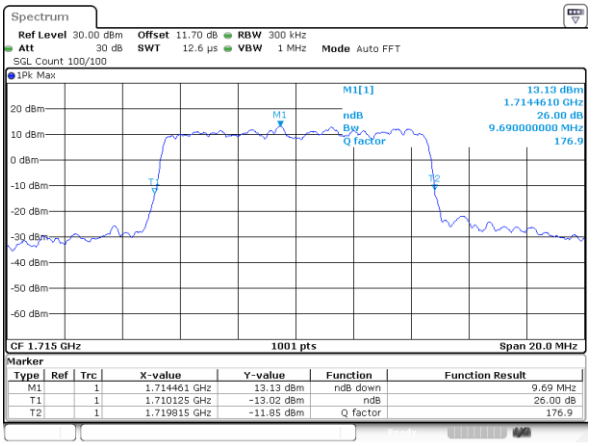


LTE Band 4

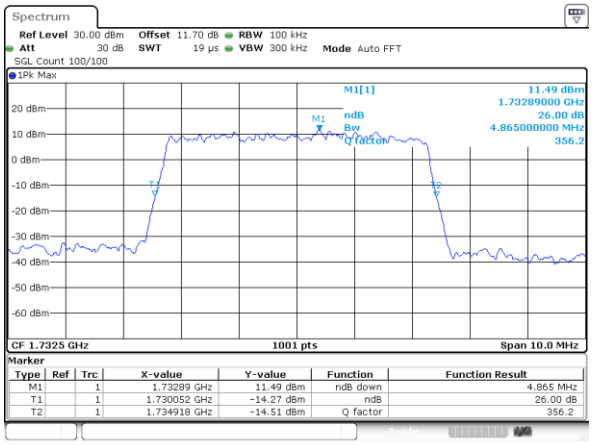
Lowest Channel / 5MHz / 64QAM



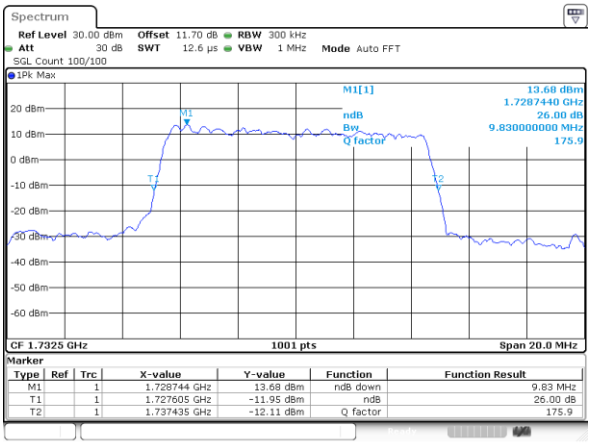
Lowest Channel / 10MHz / 64QAM



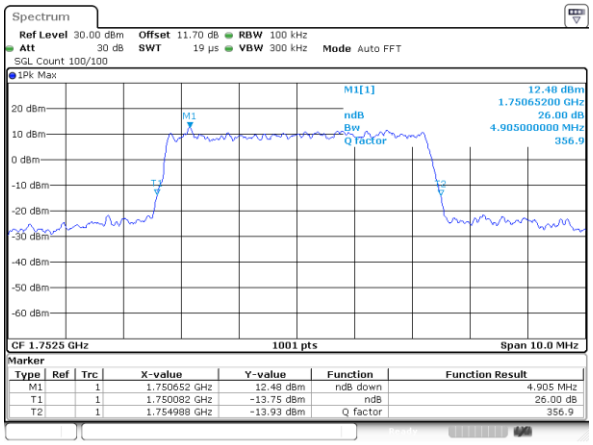
Middle Channel / 5MHz / 64QAM



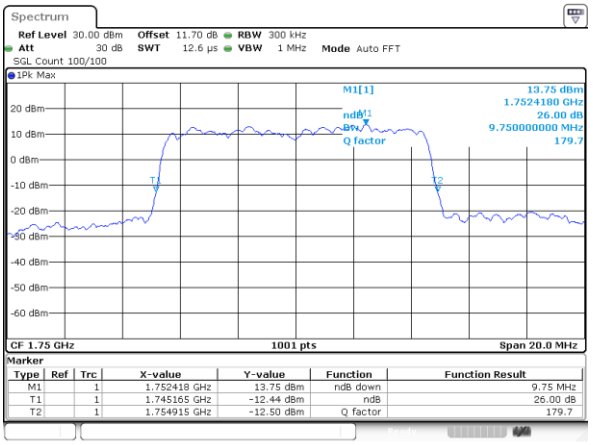
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

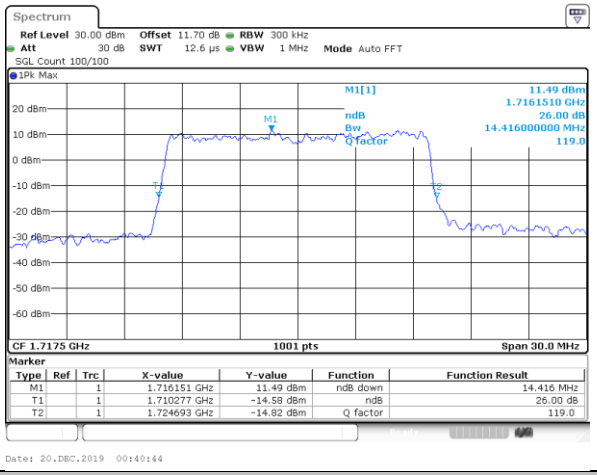


Highest Channel / 10MHz / 64QAM

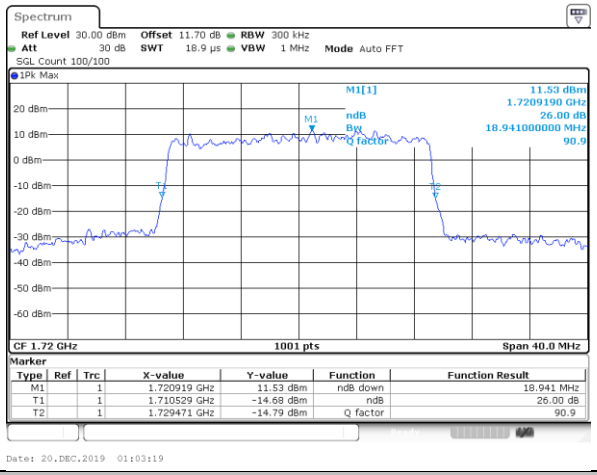


LTE Band 4

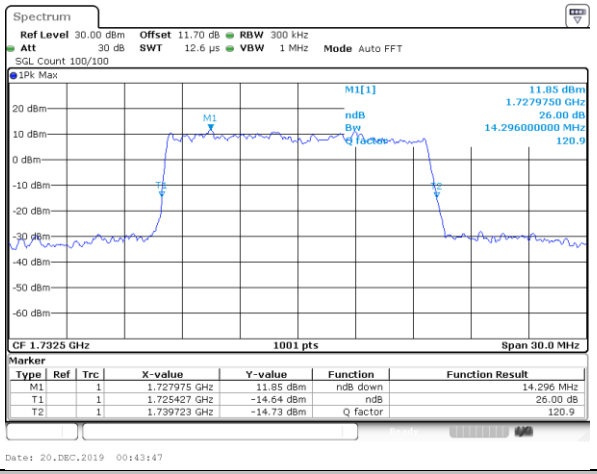
Lowest Channel / 15MHz / 64QAM



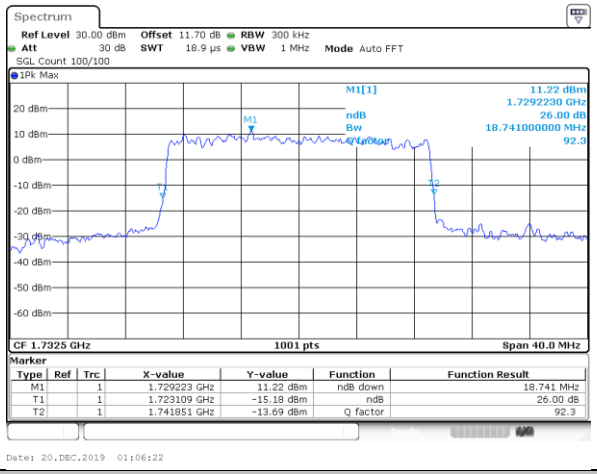
Lowest Channel / 20MHz / 64QAM



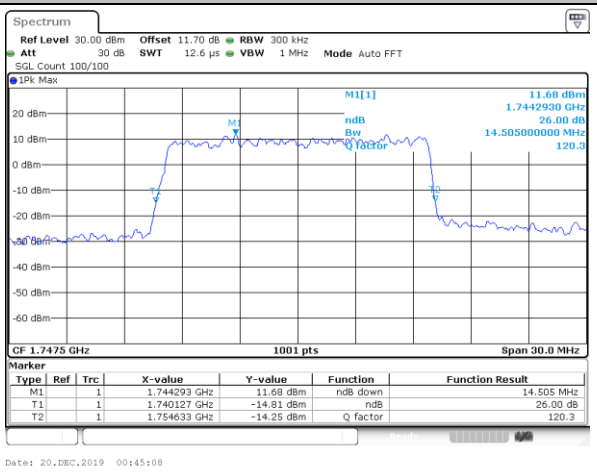
Middle Channel / 15MHz / 64QAM



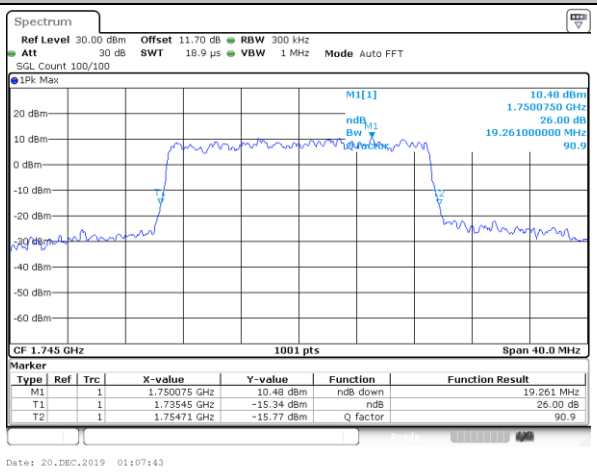
Middle Channel / 20MHz / 64QAM



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	2.75	4.50	4.50	9.01	8.97	13.46	13.43	17.74	17.78
Middle CH	1.09	1.09	2.71	2.70	4.51	4.49	8.95	9.05	13.43	13.40	17.86	17.86
Highest CH	1.09	1.09	2.71	2.72	4.48	4.48	9.05	8.99	13.43	13.49	17.98	17.86
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	-	2.70	-	4.49	-	9.07	-	13.43	-	17.86	-
Middle CH	1.09	-	2.72	-	4.51	-	9.01	-	13.43	-	17.90	-
Highest CH	1.09	-	2.73	-	4.49	-	9.03	-	13.46	-	17.98	-