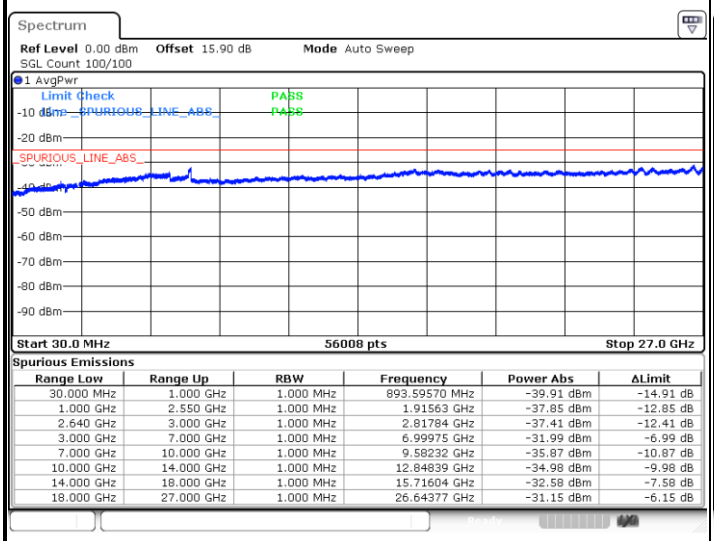
Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

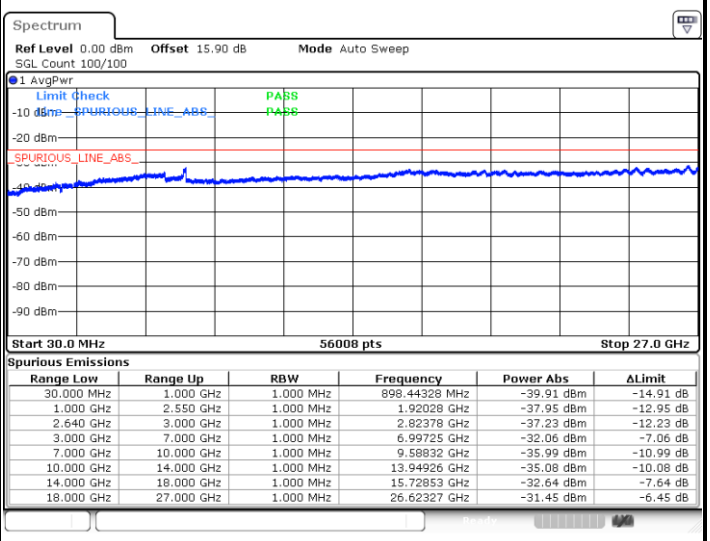


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.59570 MHz	-39.91 dBm	-14.91 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91563 GHz	-37.85 dBm	-12.85 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.81784 GHz	-37.41 dBm	-12.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-31.99 dBm	-6.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.58232 GHz	-35.87 dBm	-10.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.84839 GHz	-34.98 dBm	-9.98 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71604 GHz	-32.58 dBm	-7.58 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.64377 GHz	-31.15 dBm	-6.15 dB

Date: 22.DEC.2019 21:08:47

Lowest Channel / 16QAM

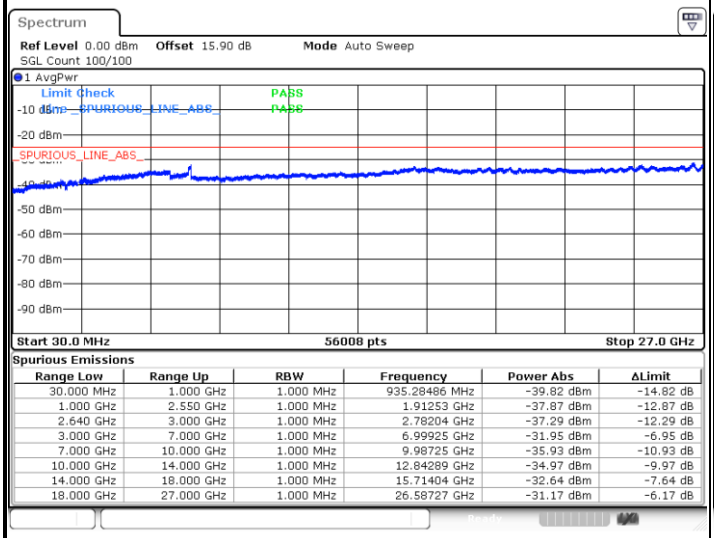


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.44328 MHz	-39.91 dBm	-14.91 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.92028 GHz	-37.95 dBm	-12.95 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82378 GHz	-37.23 dBm	-12.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-32.06 dBm	-7.06 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.58832 GHz	-35.99 dBm	-10.99 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.94926 GHz	-35.08 dBm	-10.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72853 GHz	-32.64 dBm	-7.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.62327 GHz	-31.45 dBm	-6.45 dB

Date: 22.DEC.2019 21:09:43

Middle Channel / QPSK

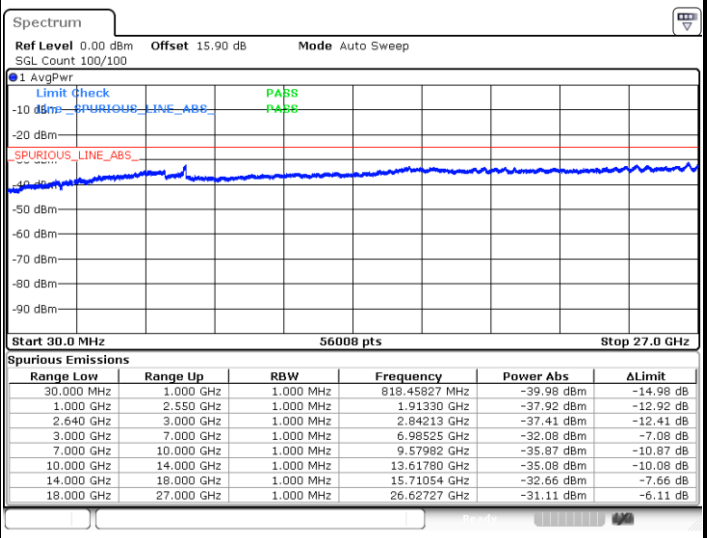


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-39.82 dBm	-14.82 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91253 GHz	-37.87 dBm	-12.87 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.78204 GHz	-37.29 dBm	-12.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-31.95 dBm	-6.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98725 GHz	-35.93 dBm	-10.93 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.84289 GHz	-34.97 dBm	-9.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71404 GHz	-32.64 dBm	-7.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.58727 GHz	-31.17 dBm	-6.17 dB

Date: 22.DEC.2019 21:10:39

Middle Channel / 16QAM



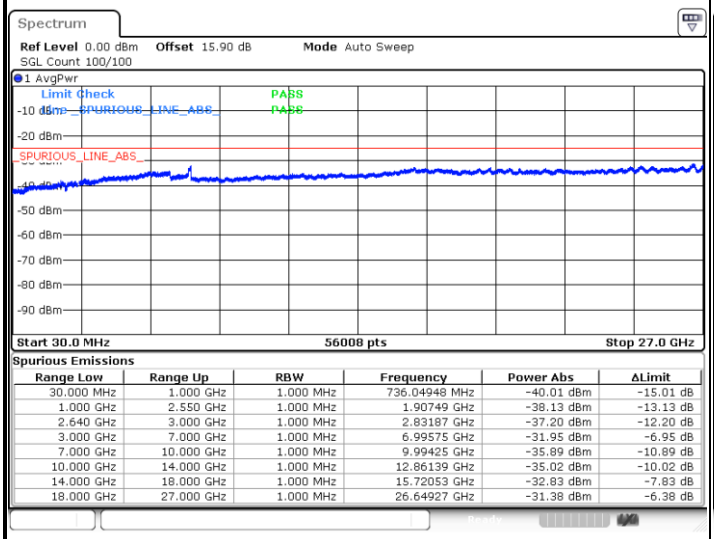
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	818.45827 MHz	-39.98 dBm	-14.98 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91330 GHz	-37.92 dBm	-12.92 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.84213 GHz	-37.41 dBm	-12.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-32.08 dBm	-7.08 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.57982 GHz	-35.87 dBm	-10.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.61780 GHz	-35.08 dBm	-10.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71054 GHz	-32.66 dBm	-7.66 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.62727 GHz	-31.11 dBm	-6.11 dB

Date: 22.DEC.2019 21:11:34

LTE Band 38 / 5MHz

Highest Channel / QPSK

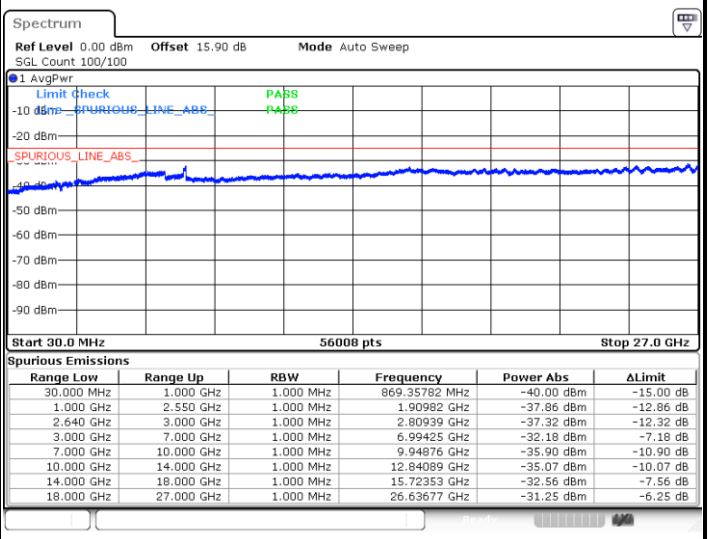


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	736.04948 MHz	-40.01 dBm	-15.01 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90749 GHz	-38.13 dBm	-13.13 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83187 GHz	-37.20 dBm	-12.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-31.95 dBm	-6.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99425 GHz	-35.89 dBm	-10.89 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.86139 GHz	-35.02 dBm	-10.02 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72053 GHz	-32.83 dBm	-7.83 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.64927 GHz	-31.38 dBm	-6.38 dB

Date: 22.DEC.2019 21:12:29

Highest Channel / 16QAM



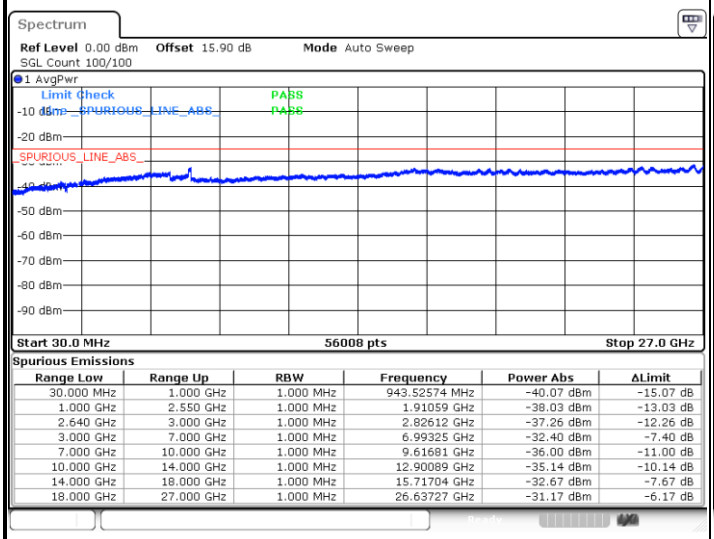
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.35782 MHz	-40.00 dBm	-15.00 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90982 GHz	-37.86 dBm	-12.86 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.80939 GHz	-37.32 dBm	-12.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-32.18 dBm	-7.18 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94876 GHz	-35.90 dBm	-10.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.84089 GHz	-35.07 dBm	-10.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72353 GHz	-32.56 dBm	-7.56 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.63677 GHz	-31.25 dBm	-6.25 dB

Date: 22.DEC.2019 21:13:25

LTE Band 38 / 10MHz

Lowest Channel / QPSK

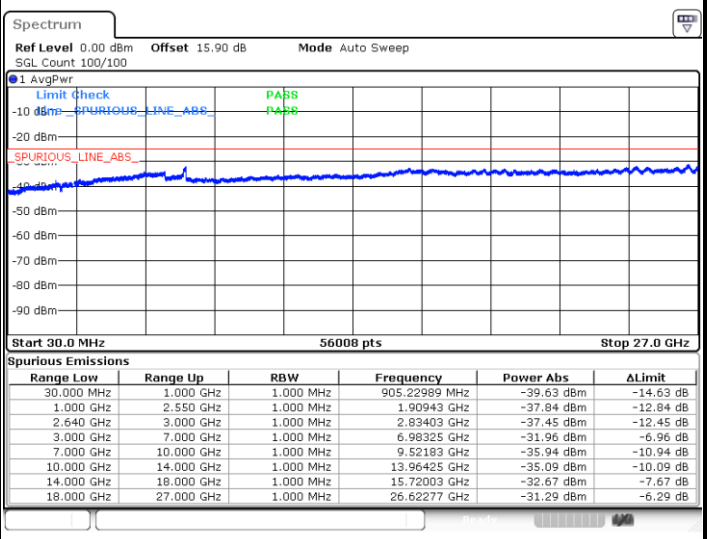


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-40.07 dBm	-15.07 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91059 GHz	-38.03 dBm	-13.03 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82612 GHz	-37.26 dBm	-12.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-32.40 dBm	-7.40 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.61681 GHz	-36.00 dBm	-11.00 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.90089 GHz	-35.14 dBm	-10.14 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71704 GHz	-32.67 dBm	-7.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.63727 GHz	-31.17 dBm	-6.17 dB

Date: 22.DEC.2019 21:17:07

Lowest Channel / 16QAM



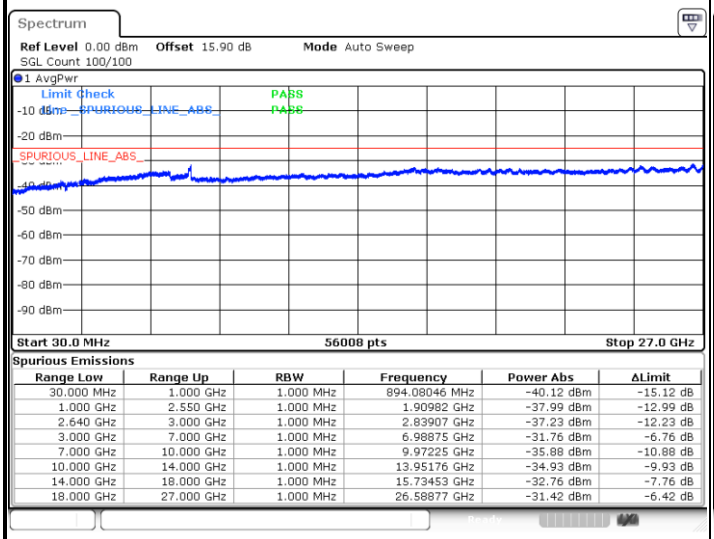
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-39.63 dBm	-14.63 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90943 GHz	-37.84 dBm	-12.84 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83403 GHz	-37.45 dBm	-12.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98325 GHz	-31.96 dBm	-6.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.52183 GHz	-35.94 dBm	-10.94 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96425 GHz	-35.09 dBm	-10.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72003 GHz	-32.67 dBm	-7.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.62277 GHz	-31.29 dBm	-6.29 dB

Date: 22.DEC.2019 21:18:03

LTE Band 38 / 10MHz

Middle Channel / QPSK

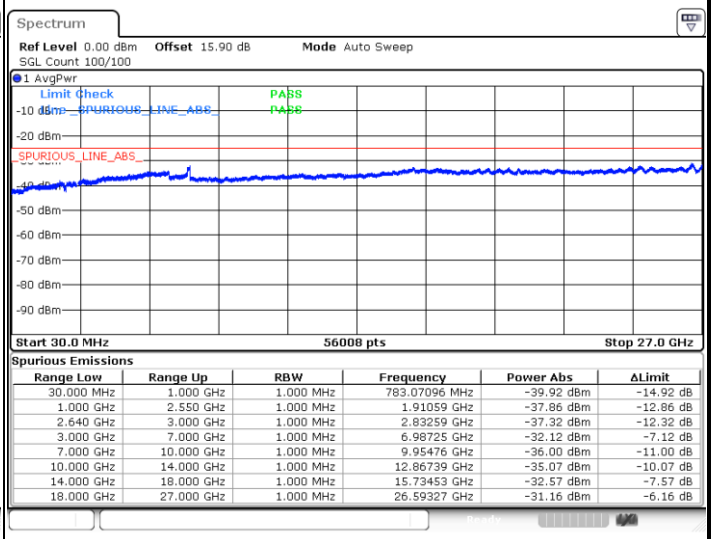


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.08046 MHz	-40.12 dBm	-15.12 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90982 GHz	-37.99 dBm	-12.99 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83907 GHz	-37.23 dBm	-12.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-31.76 dBm	-6.76 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.97225 GHz	-35.88 dBm	-10.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95176 GHz	-34.93 dBm	-9.93 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73453 GHz	-32.76 dBm	-7.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.58877 GHz	-31.42 dBm	-6.42 dB

Date: 22.DEC.2019 21:18:59

Middle Channel / 16QAM

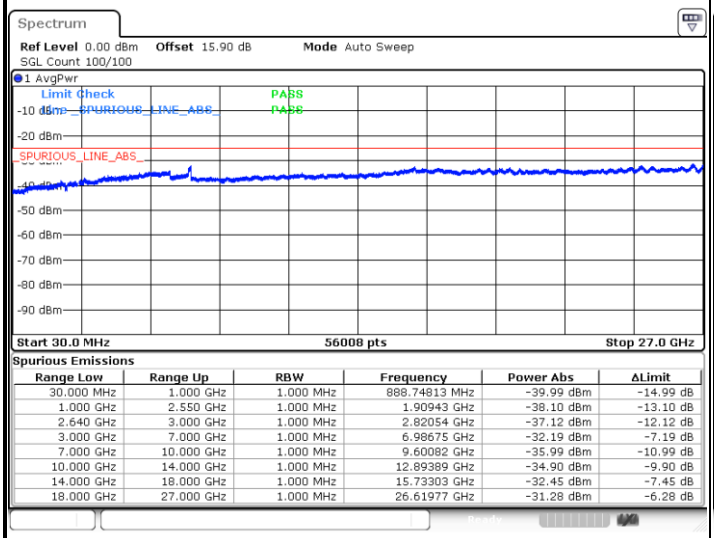


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	783.07096 MHz	-39.92 dBm	-14.92 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91059 GHz	-37.86 dBm	-12.86 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83259 GHz	-37.32 dBm	-12.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98725 GHz	-32.12 dBm	-7.12 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95476 GHz	-36.00 dBm	-11.00 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.86739 GHz	-35.07 dBm	-10.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73453 GHz	-32.57 dBm	-7.57 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.59327 GHz	-31.16 dBm	-6.16 dB

Date: 22.DEC.2019 21:19:53

Highest Channel / QPSK

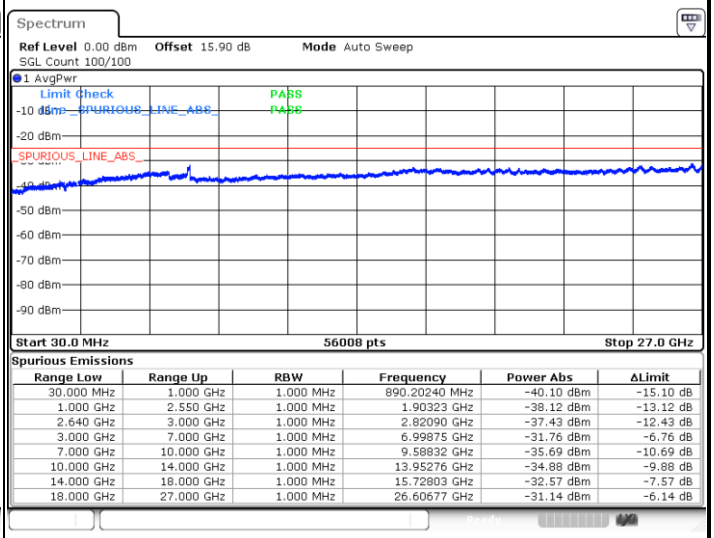


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-39.99 dBm	-14.99 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90943 GHz	-38.10 dBm	-13.10 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82054 GHz	-37.12 dBm	-12.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-32.19 dBm	-7.19 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.60082 GHz	-35.99 dBm	-10.99 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.89389 GHz	-34.90 dBm	-9.90 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73303 GHz	-32.45 dBm	-7.45 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.61977 GHz	-31.28 dBm	-6.28 dB

Date: 22.DEC.2019 21:20:49

Highest Channel / 16QAM



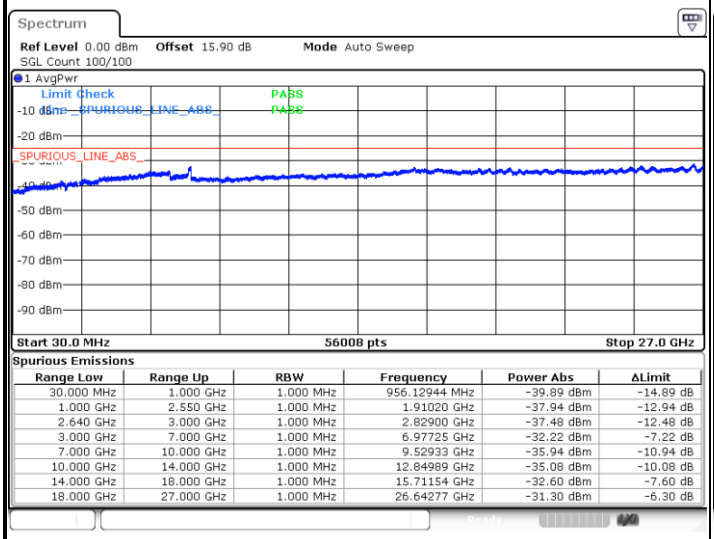
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-40.10 dBm	-15.10 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90323 GHz	-38.12 dBm	-13.12 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82090 GHz	-37.43 dBm	-12.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-31.76 dBm	-6.76 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.58832 GHz	-35.69 dBm	-10.69 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95276 GHz	-34.88 dBm	-9.88 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72803 GHz	-32.57 dBm	-7.57 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.60677 GHz	-31.14 dBm	-6.14 dB

Date: 22.DEC.2019 21:21:45

LTE Band 38 / 15MHz

Lowest Channel / QPSK

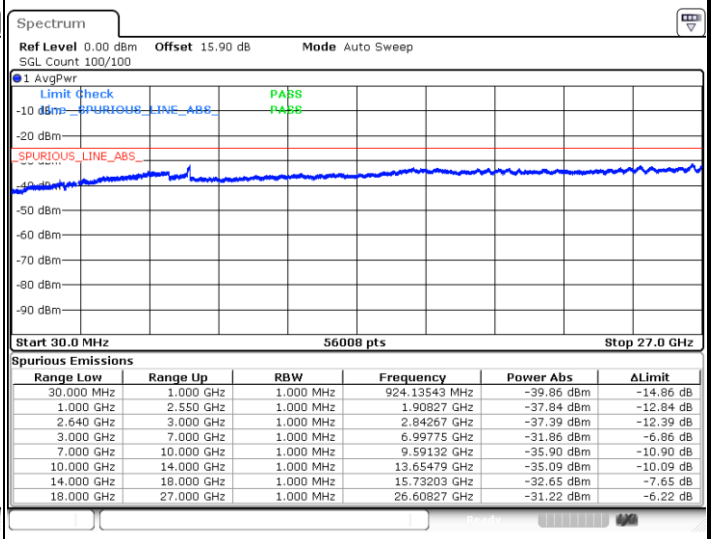


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.12944 MHz	-39.89 dBm	-14.89 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91020 GHz	-37.94 dBm	-12.94 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82900 GHz	-37.48 dBm	-12.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97725 GHz	-32.22 dBm	-7.22 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.52933 GHz	-35.94 dBm	-10.94 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.84989 GHz	-35.08 dBm	-10.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71154 GHz	-32.60 dBm	-7.60 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.64277 GHz	-31.30 dBm	-6.30 dB

Date: 22.DEC.2019 21:22:41

Lowest Channel / 16QAM

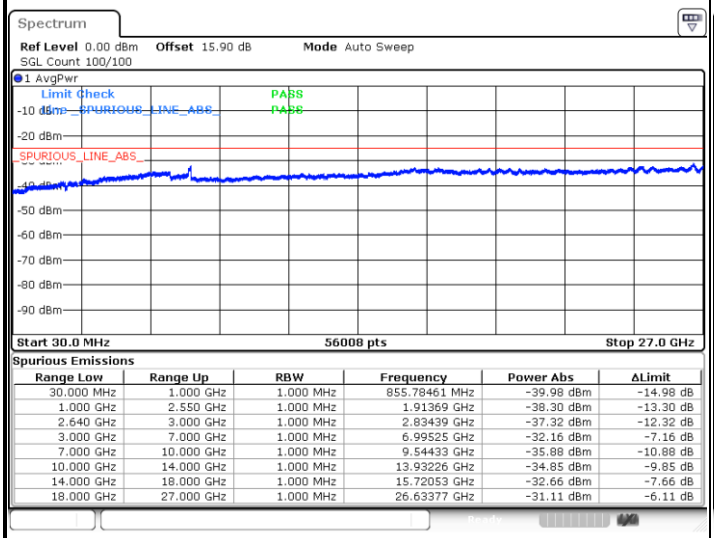


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.13543 MHz	-39.86 dBm	-14.86 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90827 GHz	-37.84 dBm	-12.84 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.84267 GHz	-37.39 dBm	-12.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-31.86 dBm	-6.86 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.59132 GHz	-35.90 dBm	-10.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.65479 GHz	-35.09 dBm	-10.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73203 GHz	-32.65 dBm	-7.65 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.60827 GHz	-31.22 dBm	-6.22 dB

Date: 22.DEC.2019 21:23:36

Middle Channel / QPSK

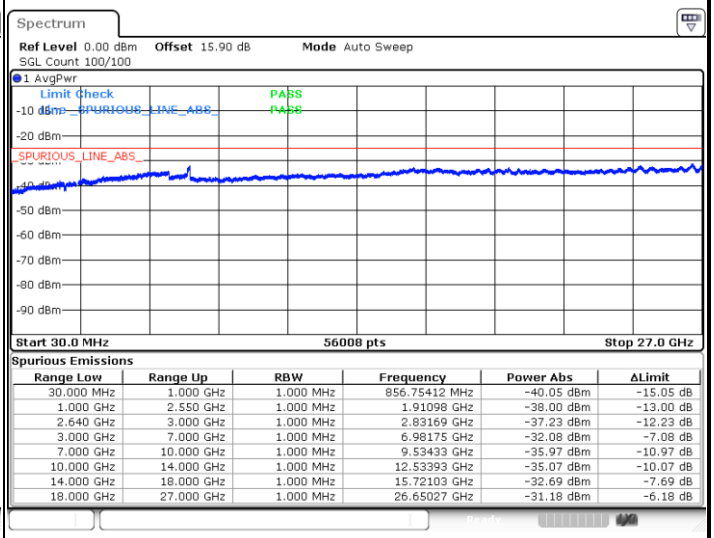


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	855.78461 MHz	-39.98 dBm	-14.98 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91369 GHz	-38.30 dBm	-13.30 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83439 GHz	-37.32 dBm	-12.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-32.16 dBm	-7.16 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.54433 GHz	-35.88 dBm	-10.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93226 GHz	-34.85 dBm	-9.85 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72053 GHz	-32.66 dBm	-7.66 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.63377 GHz	-31.11 dBm	-6.11 dB

Date: 22.DEC.2019 21:24:31

Middle Channel / 16QAM



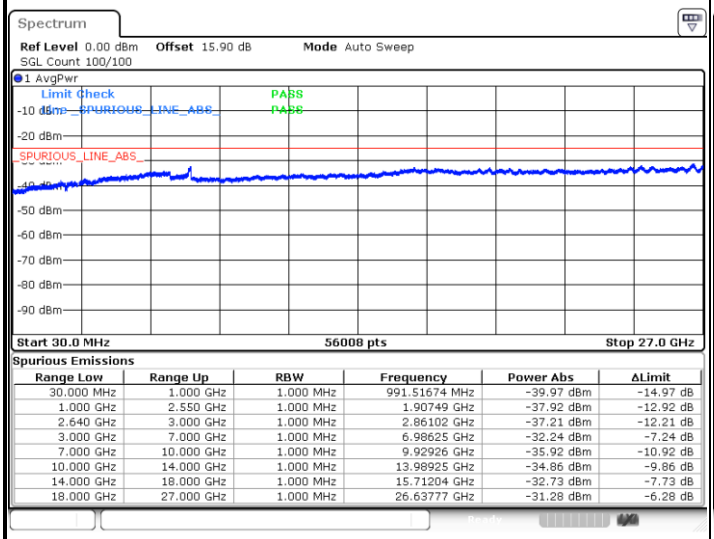
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	856.75412 MHz	-40.05 dBm	-15.05 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91098 GHz	-38.00 dBm	-13.00 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83169 GHz	-37.23 dBm	-12.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-32.08 dBm	-7.08 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.53433 GHz	-35.97 dBm	-10.97 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.53393 GHz	-35.07 dBm	-10.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72103 GHz	-32.69 dBm	-7.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.65027 GHz	-31.18 dBm	-6.18 dB

Date: 22.DEC.2019 21:25:26

LTE Band 38 / 15MHz

Highest Channel / QPSK

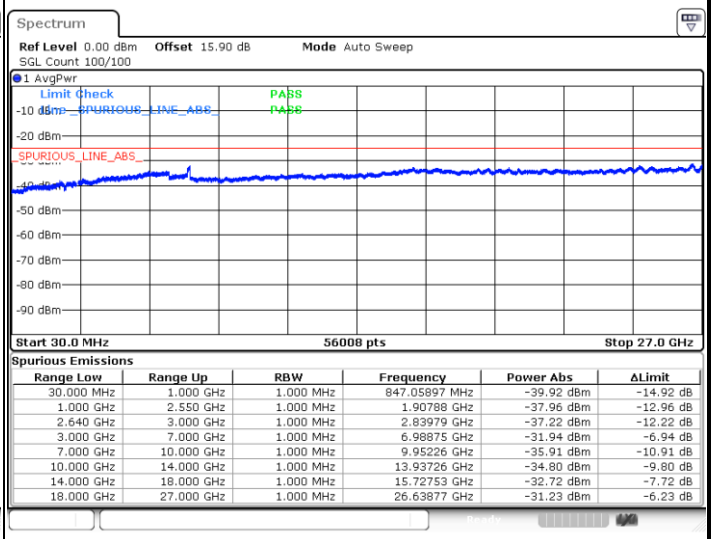


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-39.97 dBm	-14.97 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90749 GHz	-37.92 dBm	-12.92 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.86102 GHz	-37.21 dBm	-12.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98625 GHz	-32.24 dBm	-7.24 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.92926 GHz	-35.92 dBm	-10.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98925 GHz	-34.86 dBm	-9.86 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71204 GHz	-32.73 dBm	-7.73 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.63777 GHz	-31.28 dBm	-6.28 dB

Date: 22.DEC.2019 21:26:22

Highest Channel / 16QAM



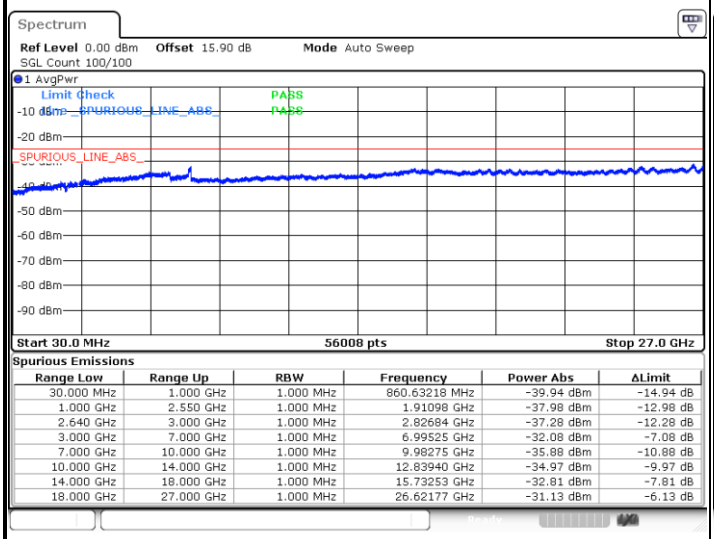
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	847.05897 MHz	-39.92 dBm	-14.92 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90788 GHz	-37.96 dBm	-12.96 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83979 GHz	-37.22 dBm	-12.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-31.94 dBm	-6.94 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95226 GHz	-35.91 dBm	-10.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93726 GHz	-34.80 dBm	-9.80 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72753 GHz	-32.72 dBm	-7.72 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.63877 GHz	-31.23 dBm	-6.23 dB

Date: 22.DEC.2019 21:27:17

LTE Band 38 / 20MHz

Lowest Channel / QPSK

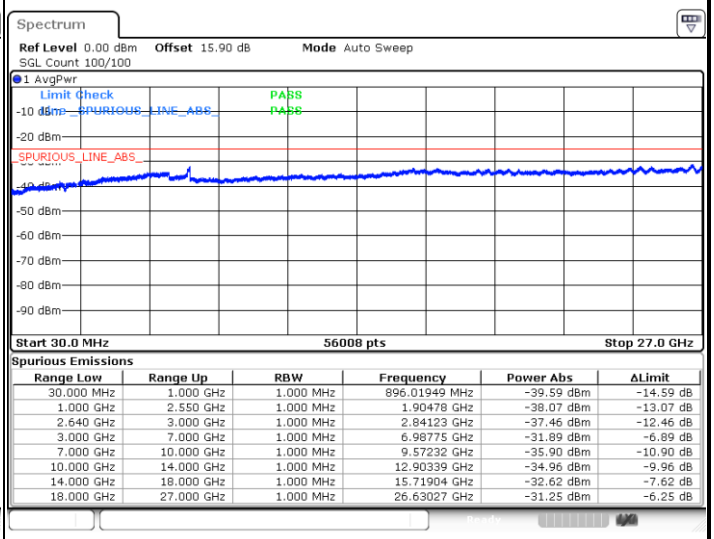


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	860.63218 MHz	-39.94 dBm	-14.94 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91098 GHz	-37.98 dBm	-12.98 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82684 GHz	-37.28 dBm	-12.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-32.08 dBm	-7.08 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98275 GHz	-35.88 dBm	-10.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.83940 GHz	-34.97 dBm	-9.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73253 GHz	-32.81 dBm	-7.81 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.62177 GHz	-31.13 dBm	-6.13 dB

Date: 22.DEC.2019 21:31:00

Lowest Channel / 16QAM



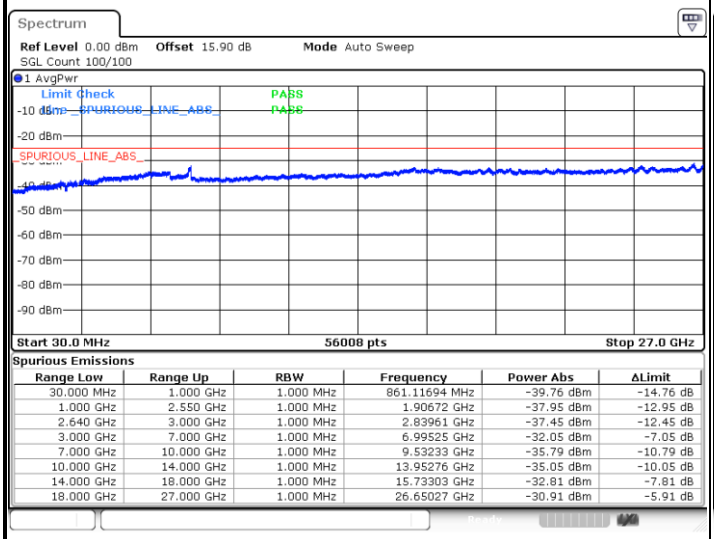
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.01949 MHz	-39.59 dBm	-14.59 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90478 GHz	-38.07 dBm	-13.07 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.84123 GHz	-37.46 dBm	-12.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-31.89 dBm	-6.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.57232 GHz	-35.90 dBm	-10.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.90339 GHz	-34.96 dBm	-9.96 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71904 GHz	-32.62 dBm	-7.62 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.63027 GHz	-31.25 dBm	-6.25 dB

Date: 22.DEC.2019 21:31:56

LTE Band 38 / 20MHz

Middle Channel / QPSK

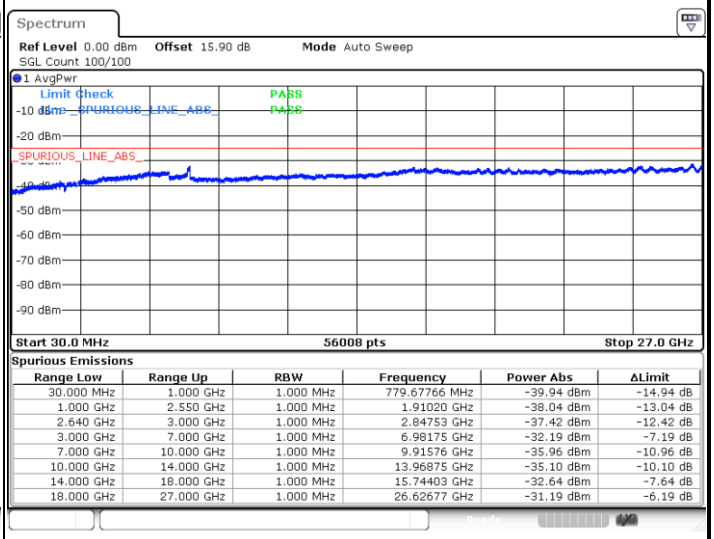


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.11694 MHz	-39.76 dBm	-14.76 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90672 GHz	-37.95 dBm	-12.95 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83961 GHz	-37.45 dBm	-12.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-32.05 dBm	-7.05 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.53233 GHz	-35.79 dBm	-10.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95276 GHz	-35.05 dBm	-10.05 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73303 GHz	-32.81 dBm	-7.81 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.65027 GHz	-30.91 dBm	-5.91 dB

Date: 22.DEC.2019 21:32:51

Middle Channel / 16QAM

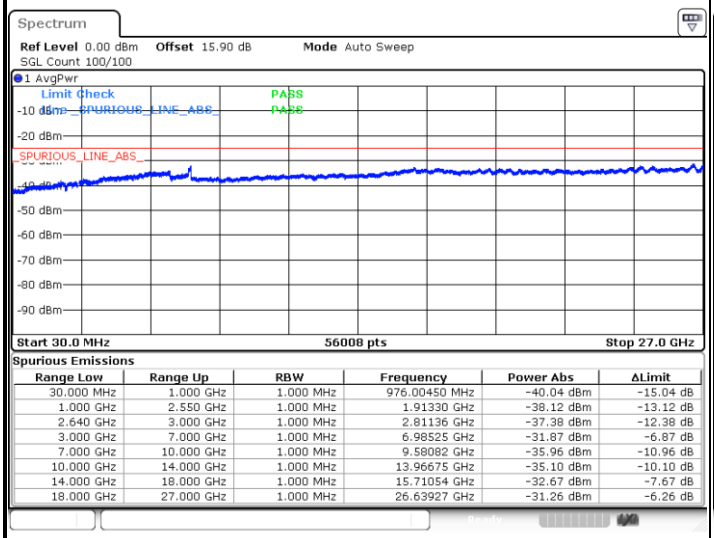


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	779.67766 MHz	-39.94 dBm	-14.94 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91020 GHz	-38.04 dBm	-13.04 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.84753 GHz	-37.42 dBm	-12.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-32.19 dBm	-7.19 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.91576 GHz	-35.96 dBm	-10.96 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96875 GHz	-35.10 dBm	-10.10 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74403 GHz	-32.64 dBm	-7.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.62677 GHz	-31.19 dBm	-6.19 dB

Date: 22.DEC.2019 21:33:46

Highest Channel / QPSK

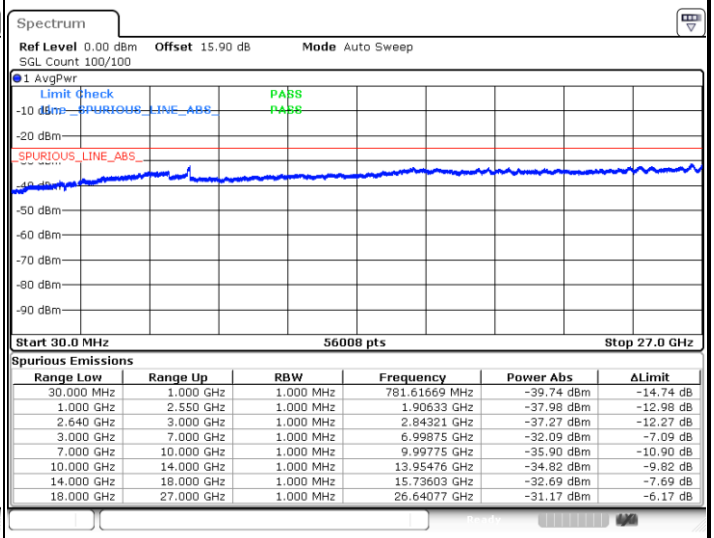


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-40.04 dBm	-15.04 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91330 GHz	-38.12 dBm	-13.12 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.81136 GHz	-37.38 dBm	-12.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-31.87 dBm	-6.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.58082 GHz	-35.96 dBm	-10.96 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96675 GHz	-35.10 dBm	-10.10 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71054 GHz	-32.67 dBm	-7.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.63927 GHz	-31.26 dBm	-6.26 dB

Date: 22.DEC.2019 21:34:42

Highest Channel / 16QAM



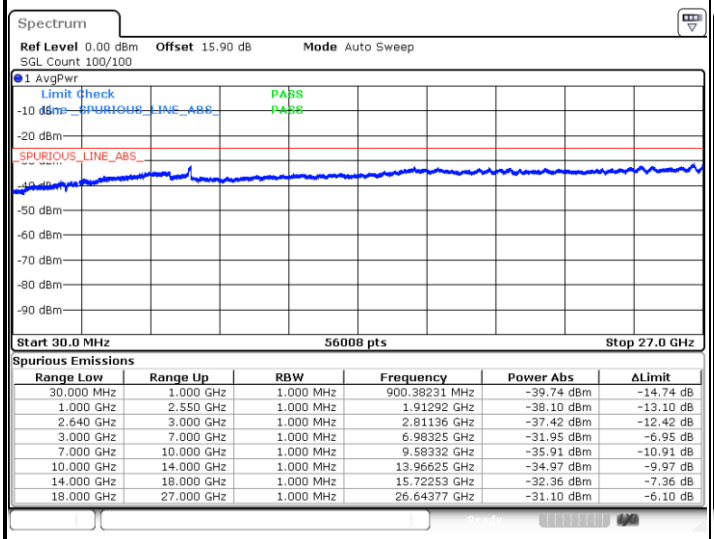
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	781.61669 MHz	-39.74 dBm	-14.74 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90633 GHz	-37.98 dBm	-12.98 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.84321 GHz	-37.27 dBm	-12.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-32.09 dBm	-7.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99775 GHz	-35.90 dBm	-10.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95476 GHz	-34.82 dBm	-9.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73603 GHz	-32.69 dBm	-7.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.64077 GHz	-31.17 dBm	-6.17 dB

Date: 22.DEC.2019 21:35:37

LTE Band 38 / 5MHz

Lowest Channel / 64QAM

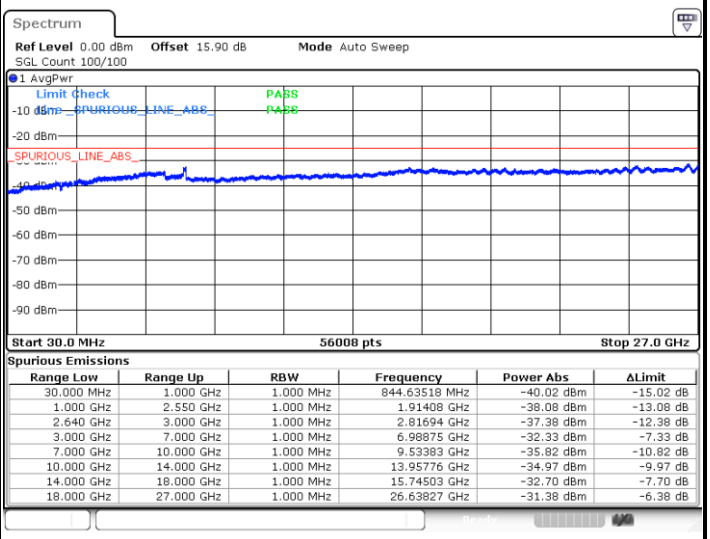


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.38231 MHz	-39.74 dBm	-14.74 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91292 GHz	-38.10 dBm	-13.10 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.81136 GHz	-37.42 dBm	-12.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98325 GHz	-31.95 dBm	-6.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.58332 GHz	-35.91 dBm	-10.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96625 GHz	-34.97 dBm	-9.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72253 GHz	-32.36 dBm	-7.36 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.64377 GHz	-31.10 dBm	-6.10 dB

Date: 22.DEC.2019 21:06:01

Middle Channel / 64QAM

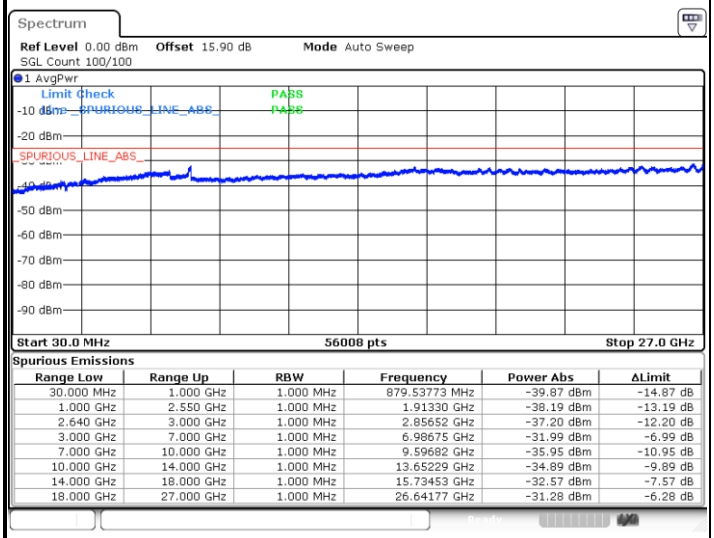


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	844.63518 MHz	-40.02 dBm	-15.02 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91408 GHz	-38.08 dBm	-13.08 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.81694 GHz	-37.38 dBm	-12.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-32.33 dBm	-7.33 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.53383 GHz	-35.82 dBm	-10.82 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95776 GHz	-34.97 dBm	-9.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74503 GHz	-32.70 dBm	-7.70 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.63827 GHz	-31.38 dBm	-6.38 dB

Date: 22.DEC.2019 21:06:56

Highest Channel / 64QAM



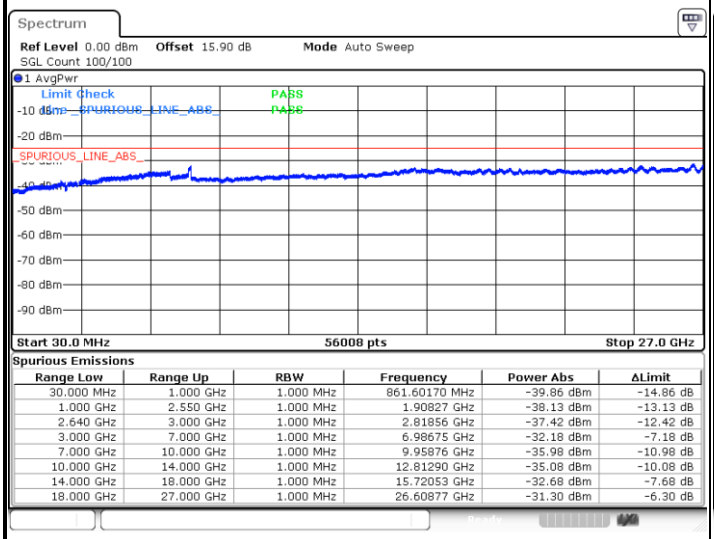
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	879.53773 MHz	-39.87 dBm	-14.87 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91330 GHz	-38.19 dBm	-13.19 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.85652 GHz	-37.20 dBm	-12.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-31.99 dBm	-6.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.59682 GHz	-35.95 dBm	-10.95 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.65229 GHz	-34.89 dBm	-9.89 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73453 GHz	-32.57 dBm	-7.57 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.64177 GHz	-31.28 dBm	-6.28 dB

Date: 22.DEC.2019 21:07:52

LTE Band 38 / 10MHz

Lowest Channel / 64QAM

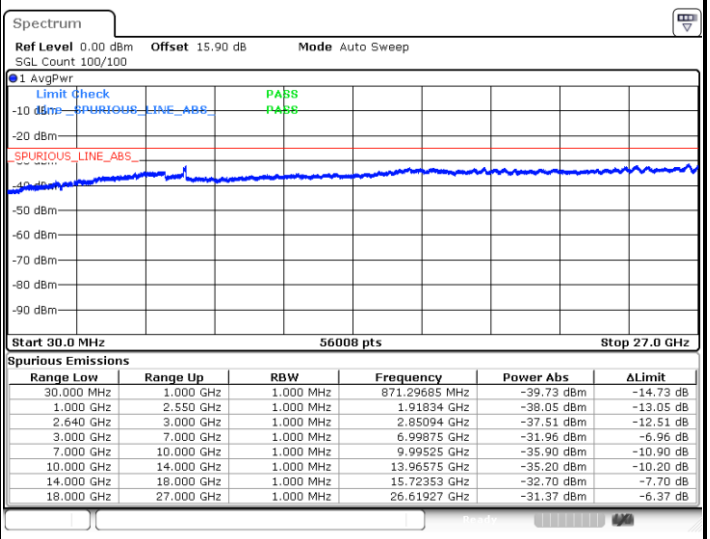


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.60170 MHz	-39.86 dBm	-14.86 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90827 GHz	-38.13 dBm	-13.13 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.81856 GHz	-37.42 dBm	-12.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-32.18 dBm	-7.18 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95876 GHz	-35.98 dBm	-10.98 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.81290 GHz	-35.08 dBm	-10.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72053 GHz	-32.68 dBm	-7.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.60877 GHz	-31.30 dBm	-6.30 dB

Date: 22.DEC.2019 21:14:21

Middle Channel / 64QAM

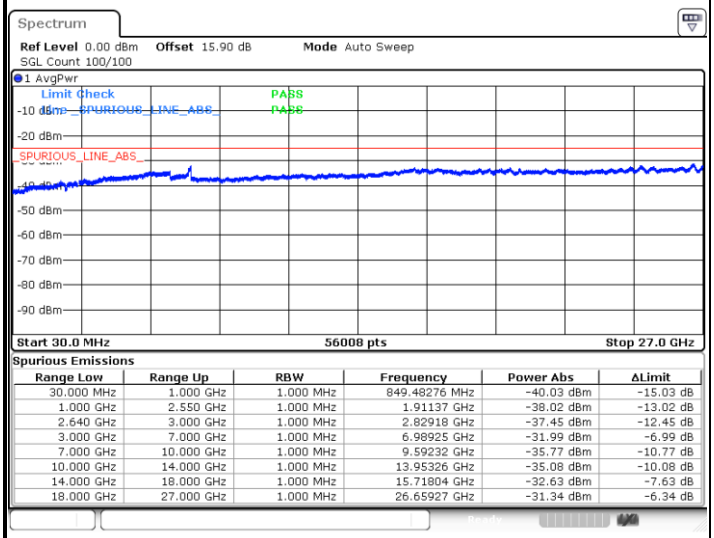


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.29685 MHz	-39.73 dBm	-14.73 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91834 GHz	-38.05 dBm	-13.05 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.85094 GHz	-37.51 dBm	-12.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-31.96 dBm	-6.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99525 GHz	-35.90 dBm	-10.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96575 GHz	-35.20 dBm	-10.20 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72353 GHz	-32.70 dBm	-7.70 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.61927 GHz	-31.37 dBm	-6.37 dB

Date: 22.DEC.2019 21:15:16

Highest Channel / 64QAM



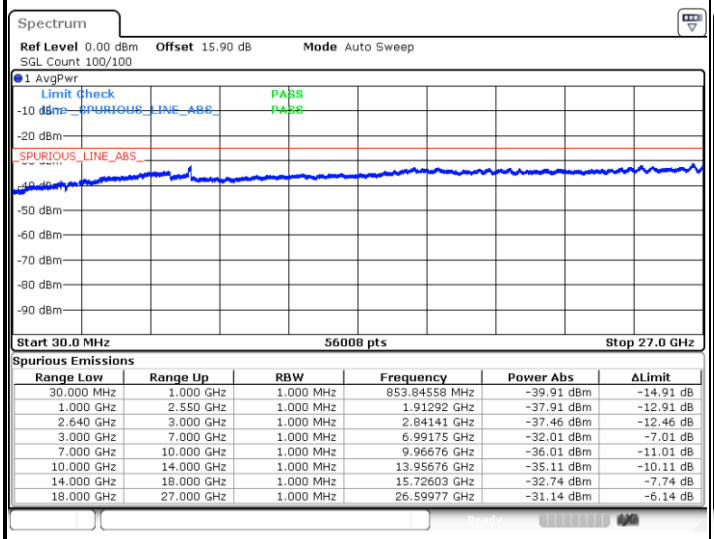
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	849.48276 MHz	-40.03 dBm	-15.03 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91137 GHz	-38.02 dBm	-13.02 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82918 GHz	-37.45 dBm	-12.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-31.99 dBm	-6.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.59232 GHz	-35.77 dBm	-10.77 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95326 GHz	-35.08 dBm	-10.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71804 GHz	-32.63 dBm	-7.63 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.65927 GHz	-31.34 dBm	-6.34 dB

Date: 22.DEC.2019 21:16:12

LTE Band 38 / 15MHz

Lowest Channel / 64QAM

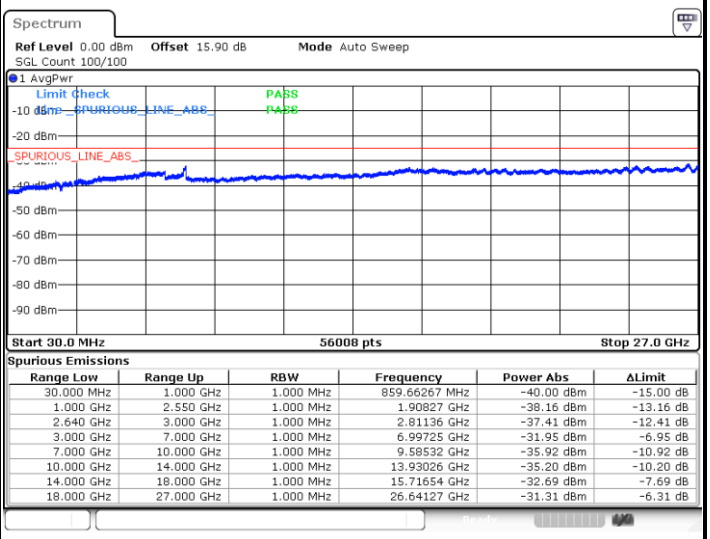


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	853.84558 MHz	-39.91 dBm	-14.91 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91292 GHz	-37.91 dBm	-12.91 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.84141 GHz	-37.46 dBm	-12.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-32.01 dBm	-7.01 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96676 GHz	-36.01 dBm	-11.01 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95676 GHz	-35.11 dBm	-10.11 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72603 GHz	-32.74 dBm	-7.74 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.59977 GHz	-31.14 dBm	-6.14 dB

Date: 22.DEC.2019 21:28:13

Middle Channel / 64QAM

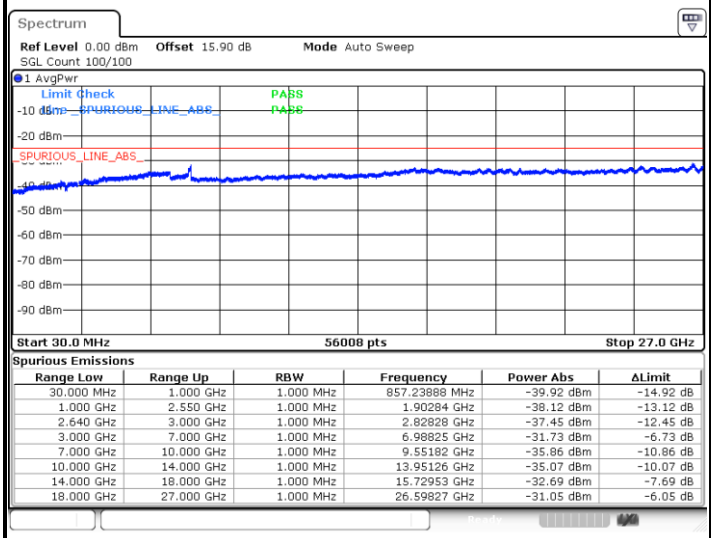


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	859.66267 MHz	-40.00 dBm	-15.00 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90827 GHz	-38.16 dBm	-13.16 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.81136 GHz	-37.41 dBm	-12.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-31.95 dBm	-6.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.58532 GHz	-35.92 dBm	-10.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93026 GHz	-35.20 dBm	-10.20 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71654 GHz	-32.69 dBm	-7.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.64127 GHz	-31.31 dBm	-6.31 dB

Date: 22.DEC.2019 21:29:09

Highest Channel / 64QAM



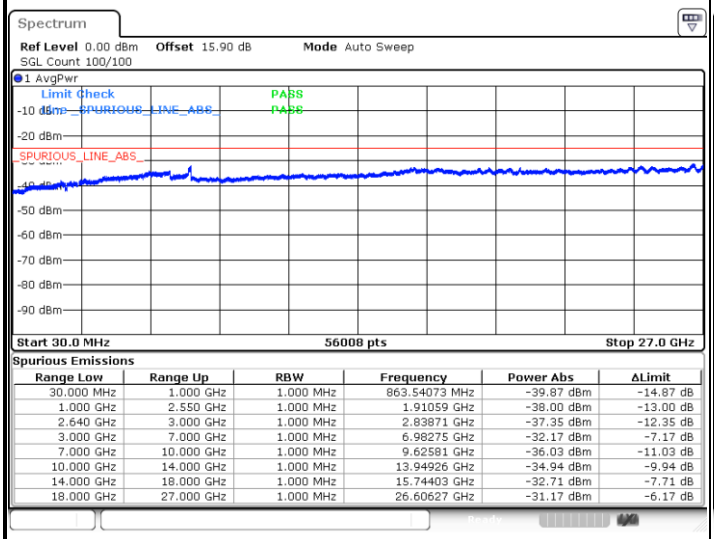
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	857.23888 MHz	-39.92 dBm	-14.92 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90284 GHz	-38.12 dBm	-13.12 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.82828 GHz	-37.45 dBm	-12.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-31.73 dBm	-6.73 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.55182 GHz	-35.86 dBm	-10.86 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95126 GHz	-35.07 dBm	-10.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72953 GHz	-32.69 dBm	-7.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.59827 GHz	-31.05 dBm	-6.05 dB

Date: 22.DEC.2019 21:30:04

LTE Band 38 / 20MHz

Lowest Channel / 64QAM

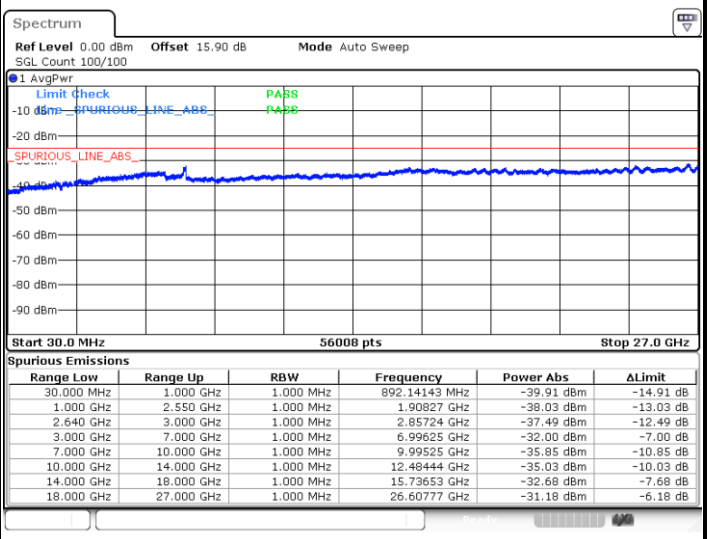


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	863.54073 MHz	-39.87 dBm	-14.87 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.91059 GHz	-38.00 dBm	-13.00 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83871 GHz	-37.35 dBm	-12.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98275 GHz	-32.17 dBm	-7.17 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.62581 GHz	-36.03 dBm	-11.03 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.94926 GHz	-34.94 dBm	-9.94 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74403 GHz	-32.71 dBm	-7.71 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.60627 GHz	-31.17 dBm	-6.17 dB

Date: 22.DEC.2019 21:36:33

Middle Channel / 64QAM

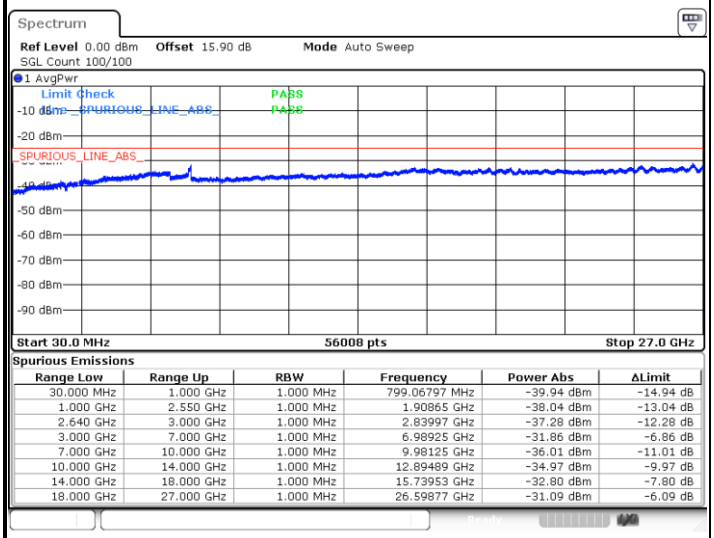


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.14143 MHz	-39.91 dBm	-14.91 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90827 GHz	-38.03 dBm	-13.03 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.85724 GHz	-37.49 dBm	-12.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-32.00 dBm	-7.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99525 GHz	-35.85 dBm	-10.85 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.48444 GHz	-35.03 dBm	-10.03 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73653 GHz	-32.68 dBm	-7.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.60777 GHz	-31.18 dBm	-6.18 dB

Date: 22.DEC.2019 21:37:28

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	799.06797 MHz	-39.94 dBm	-14.94 dB
1.000 GHz	2.550 GHz	1.000 MHz	1.90865 GHz	-38.04 dBm	-13.04 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.83997 GHz	-37.28 dBm	-12.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-31.86 dBm	-6.86 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98125 GHz	-36.01 dBm	-11.01 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.89489 GHz	-34.97 dBm	-9.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73953 GHz	-32.80 dBm	-7.80 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.59877 GHz	-31.09 dBm	-6.09 dB

Date: 22.DEC.2019 21:38:23

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

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.

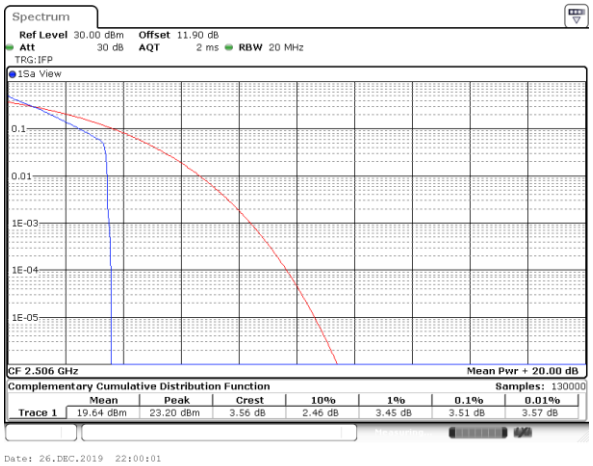
LTE Band 41

Peak-to-Average Ratio

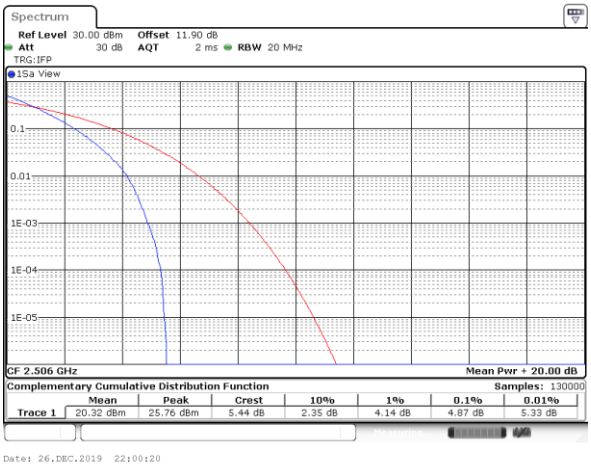
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.87	5.48	5.83	PASS
Middle CH	4.35	4.87	5.51	5.88	
Highest CH	3.77	4.78	5.30	5.80	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.35	6.35	-	-	PASS
Middle CH	6.67	6.43	-	-	
Highest CH	6.38	6.46	-	-	

LTE Band 41 / 20MHz / QPSK

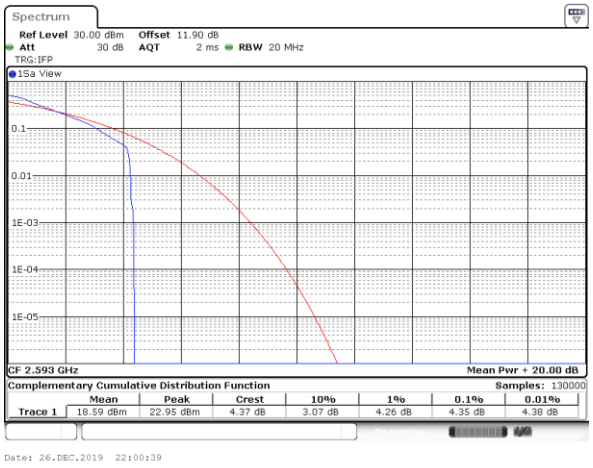
Lowest Channel / 1RB



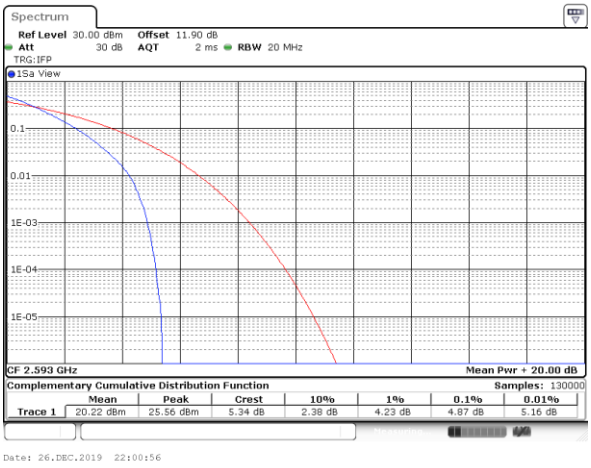
Lowest Channel / Full RB



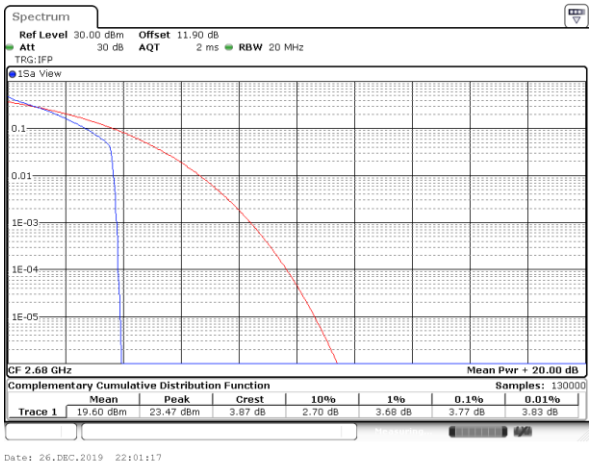
Middle Channel / 1RB



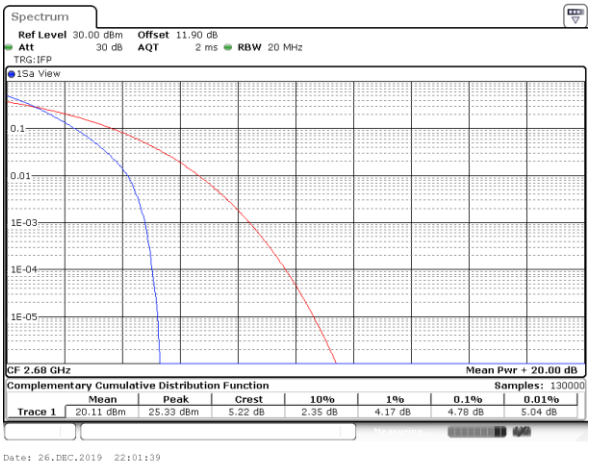
Middle Channel / Full RB



Highest Channel / 1RB

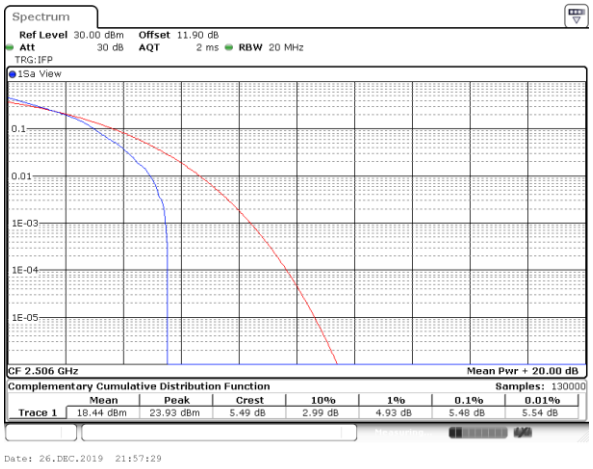


Highest Channel / Full RB

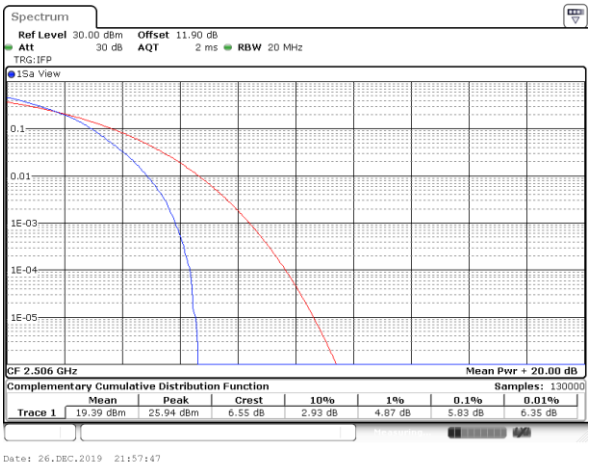


LTE Band 41 / 20MHz / 16QAM

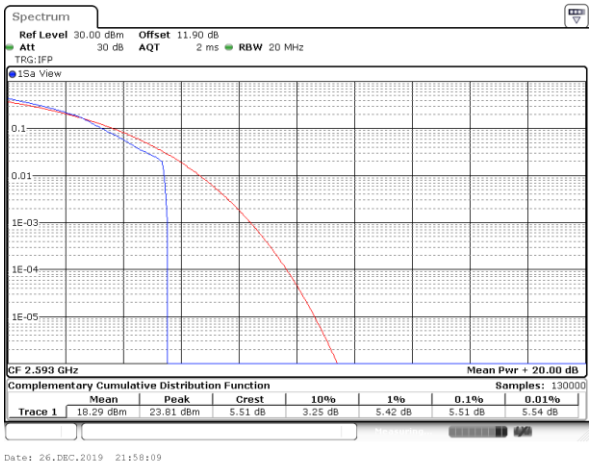
Lowest Channel / 1RB



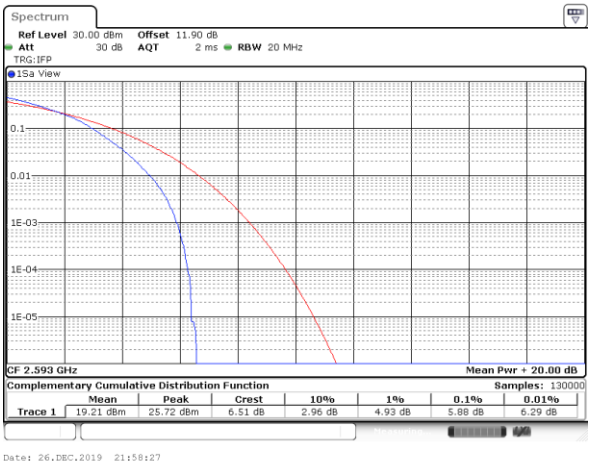
Lowest Channel / Full RB



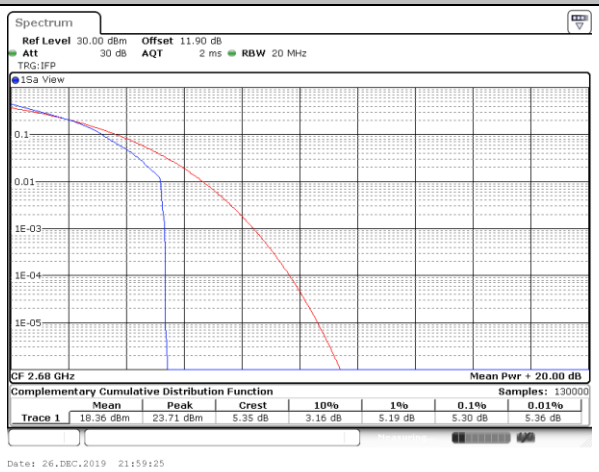
Middle Channel / 1RB



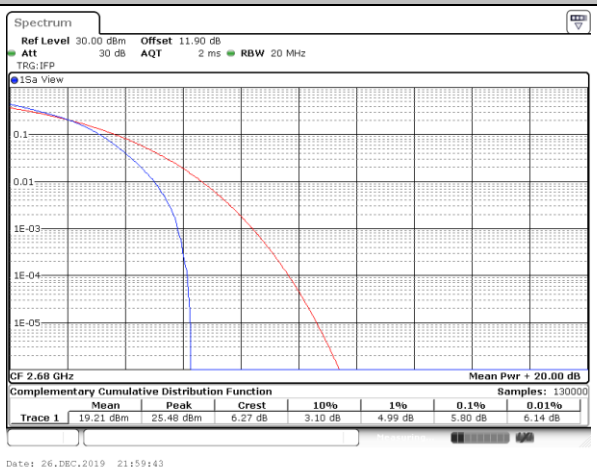
Middle Channel / Full RB



Highest Channel / 1RB

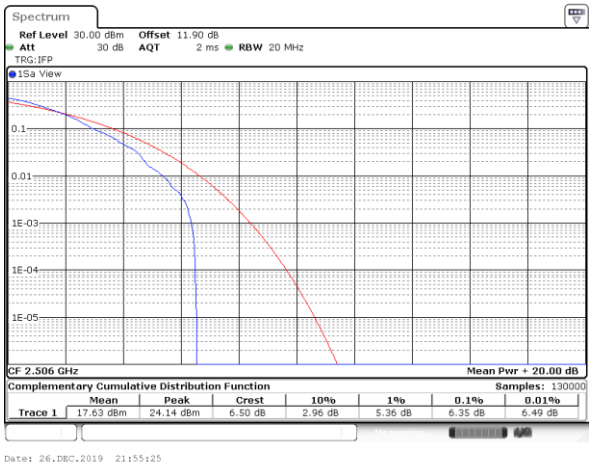


Highest Channel / Full RB

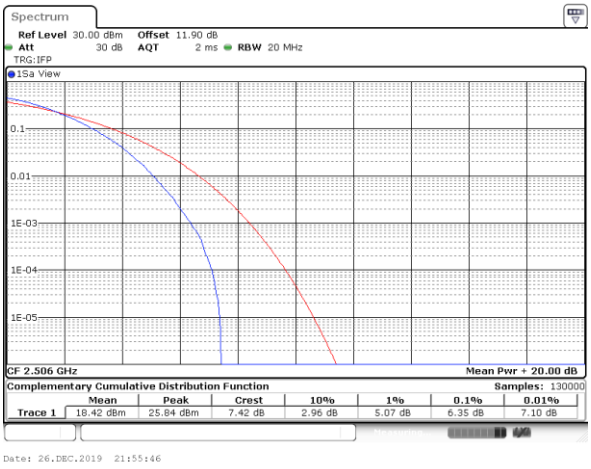


LTE Band 41 / 20MHz / 64QAM

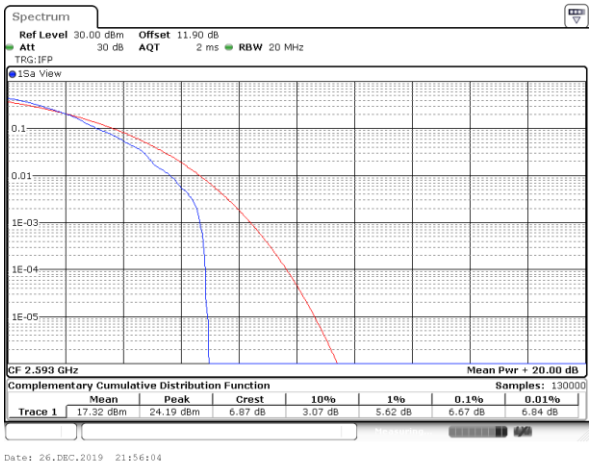
Lowest Channel / 1RB



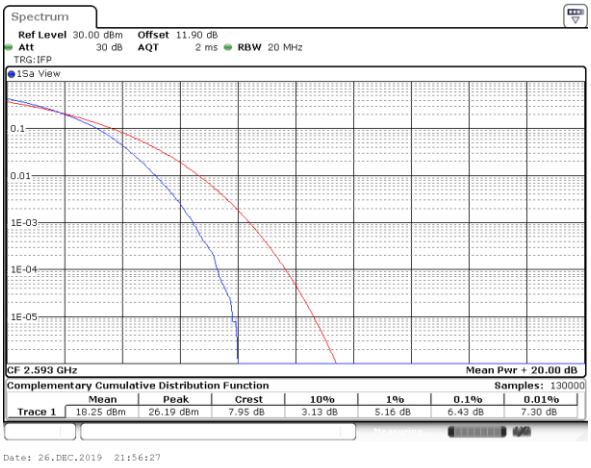
Lowest Channel / Full RB



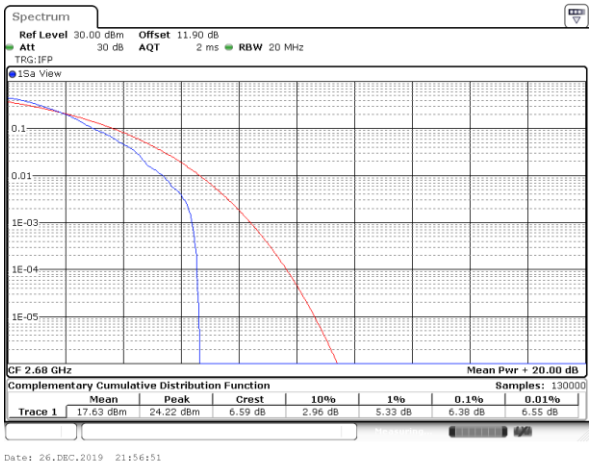
Middle Channel / 1RB



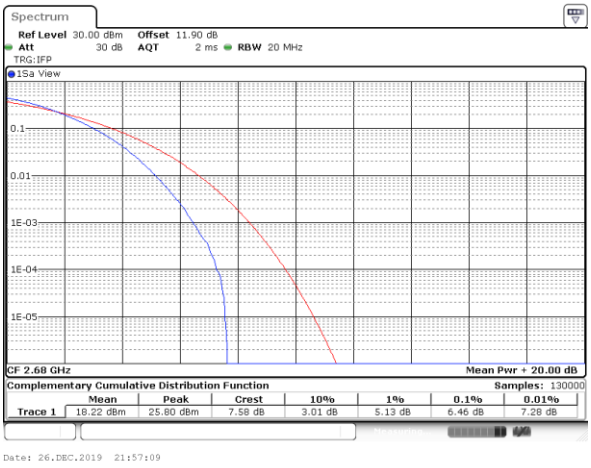
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

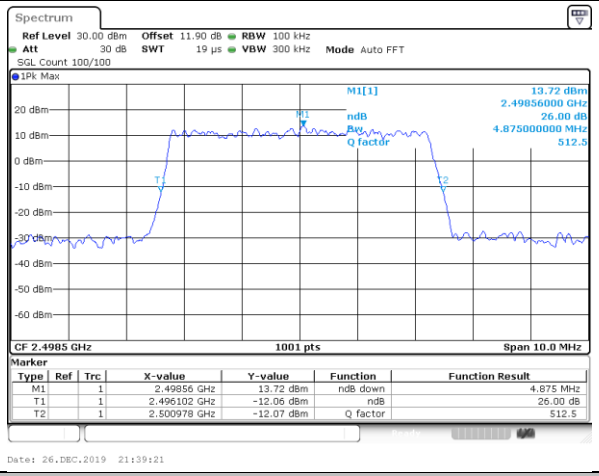


26dB Bandwidth

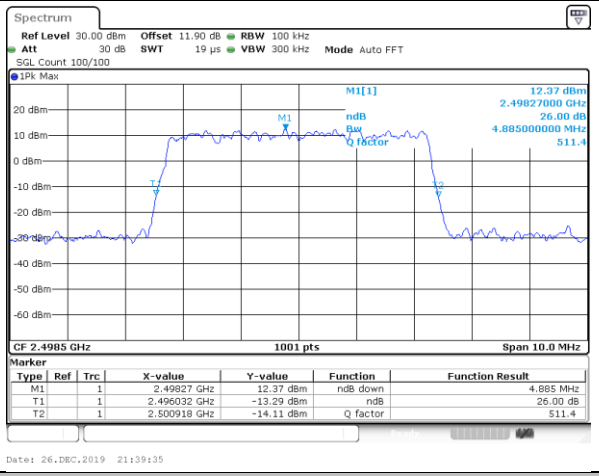
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.88	4.89	9.89	9.61	14.33	14.36	18.74	19.10
Middle CH	-	-	-	-	4.86	4.96	9.71	9.87	14.21	14.15	18.86	18.86
Highest CH	-	-	-	-	4.77	4.91	9.63	9.77	14.18	14.18	19.10	19.14
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.93	-	9.75	-	14.45	-	18.70	-
Middle CH	-	-	-	-	4.94	-	9.81	-	14.21	-	18.62	-
Highest CH	-	-	-	-	4.84	-	9.67	-	14.30	-	18.94	-

LTE Band 41

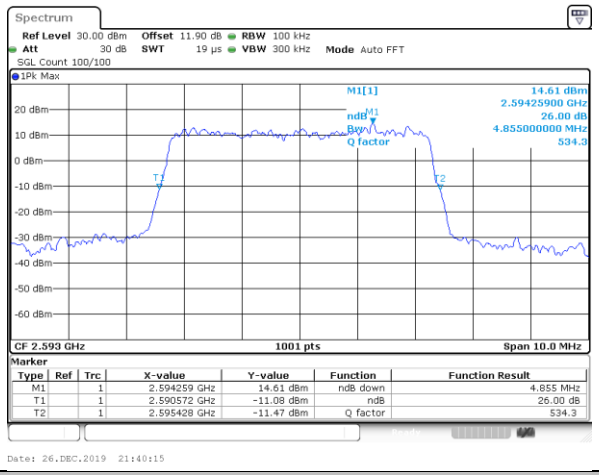
Lowest Channel / 5MHz / QPSK



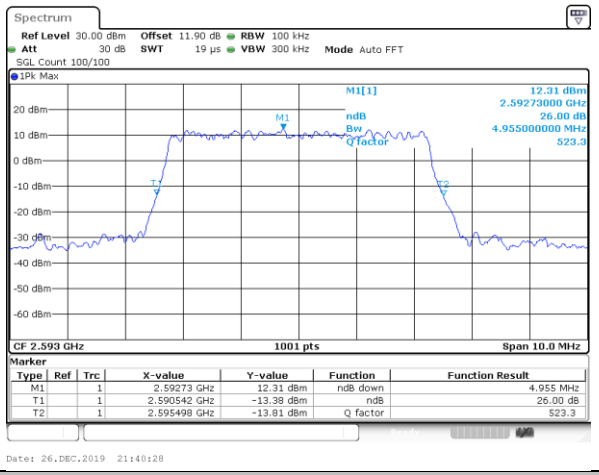
Lowest Channel / 5MHz / 16QAM



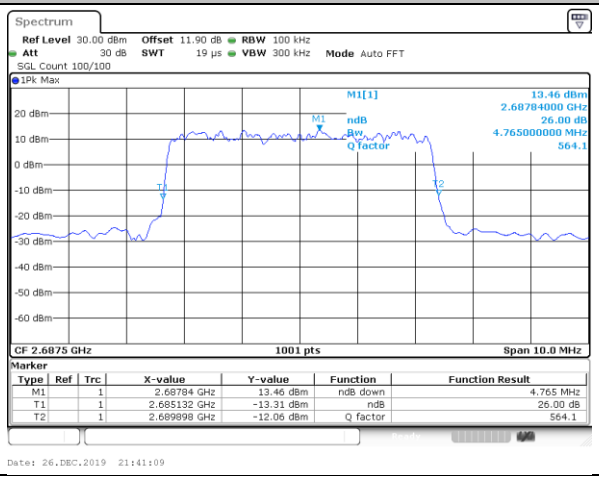
Middle Channel / 5MHz / QPSK



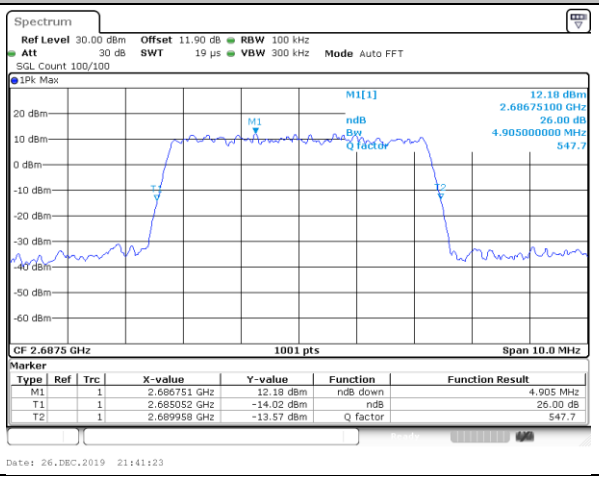
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

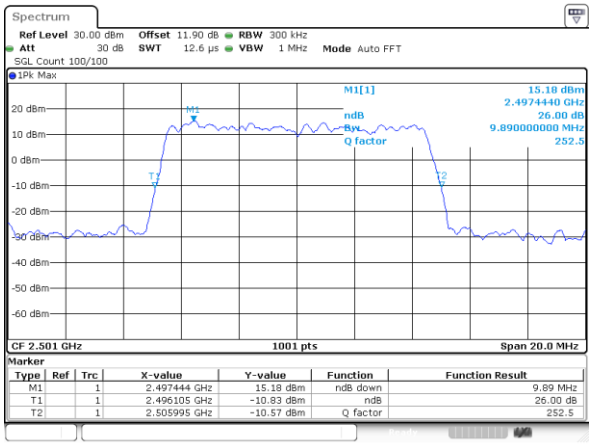


Highest Channel / 5MHz / 16QAM

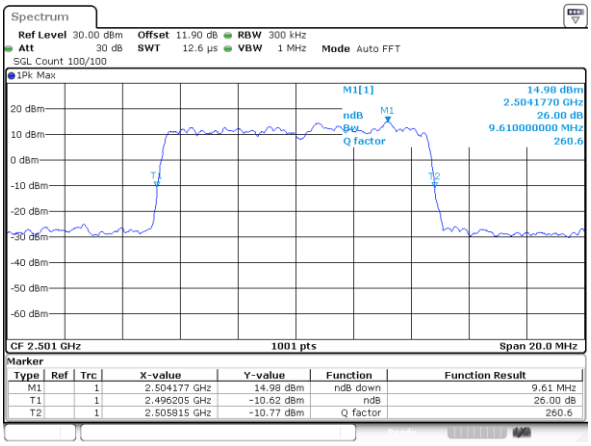


LTE Band 41

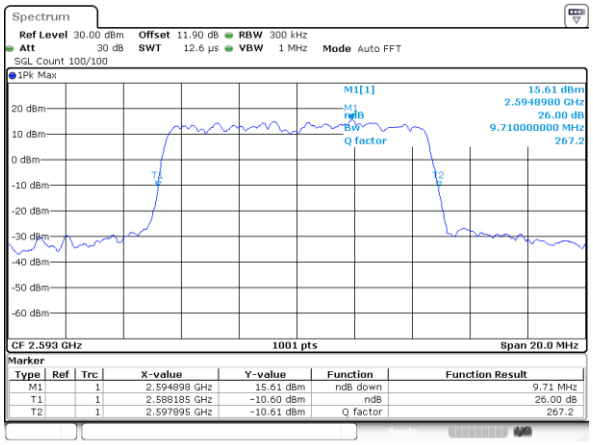
Lowest Channel / 10MHz / QPSK



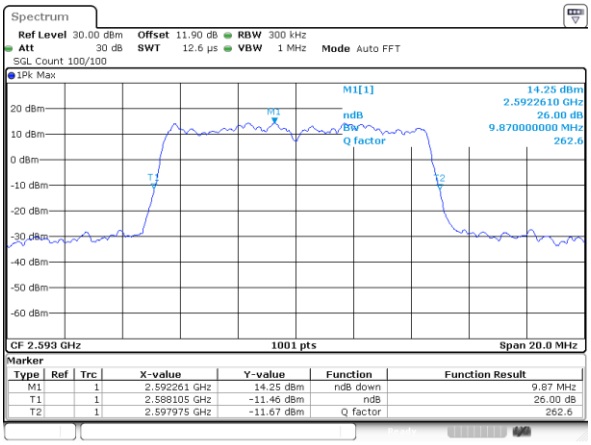
Lowest Channel / 10MHz / 16QAM



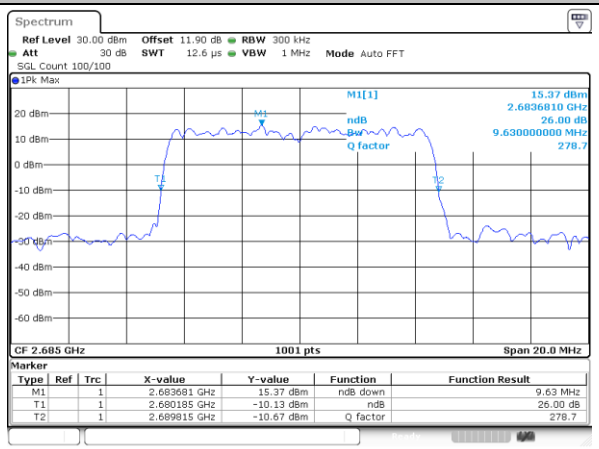
Middle Channel / 10MHz / QPSK



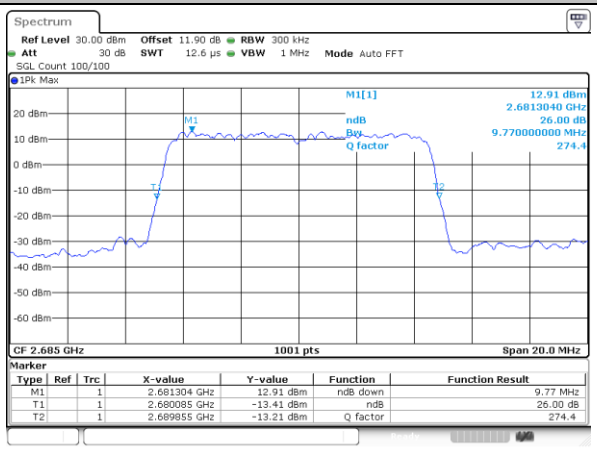
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

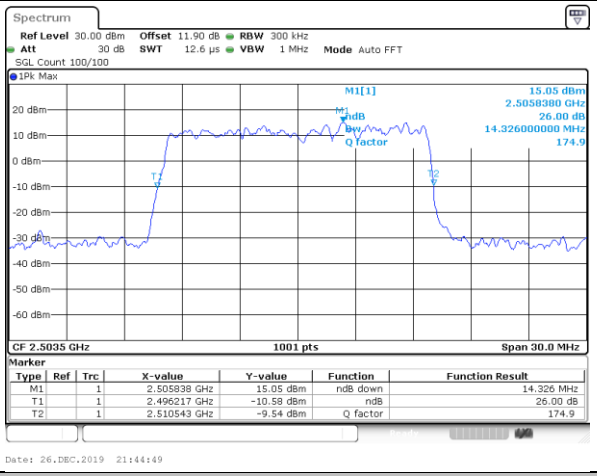


Highest Channel / 10MHz / 16QAM

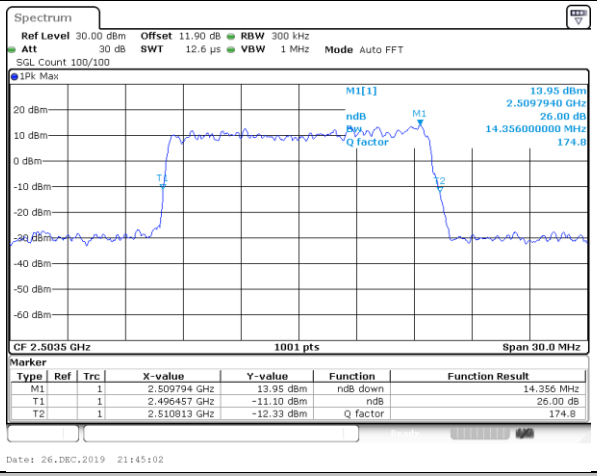


LTE Band 41

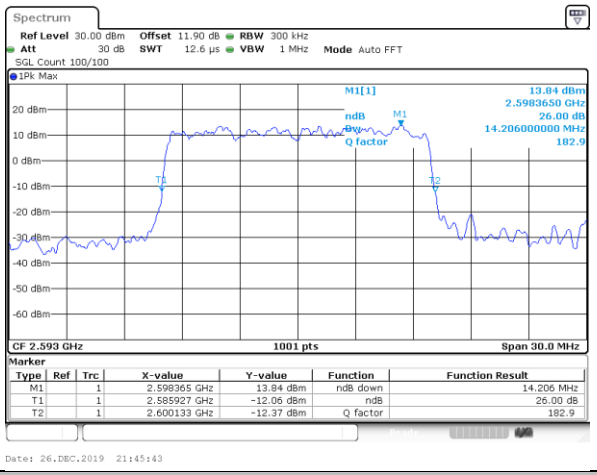
Lowest Channel / 15MHz / QPSK



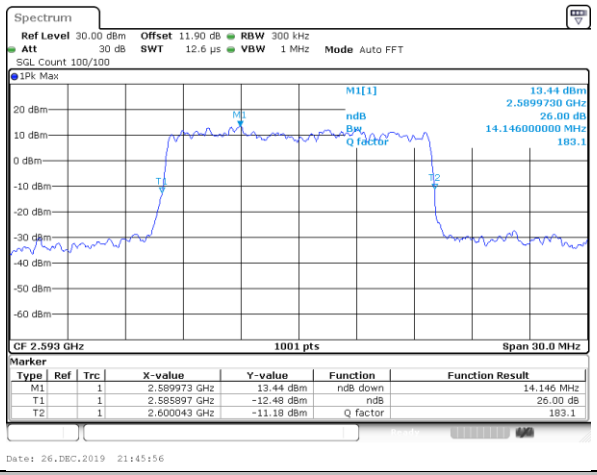
Lowest Channel / 15MHz / 16QAM



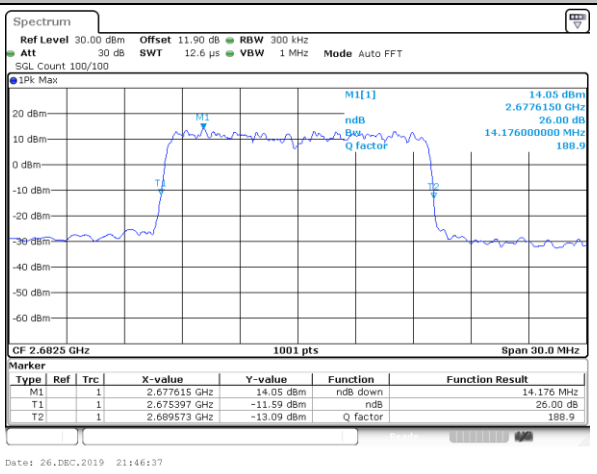
Middle Channel / 15MHz / QPSK



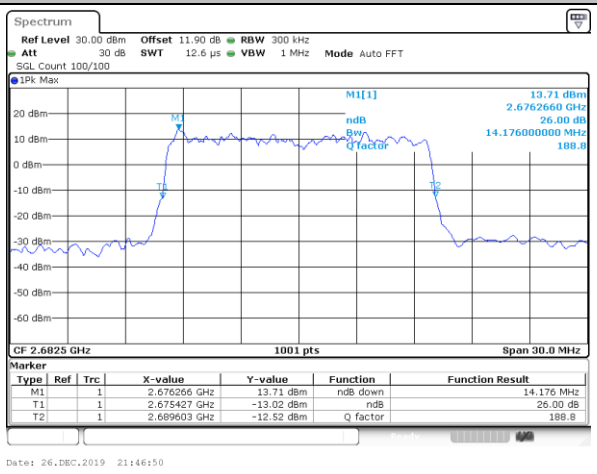
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

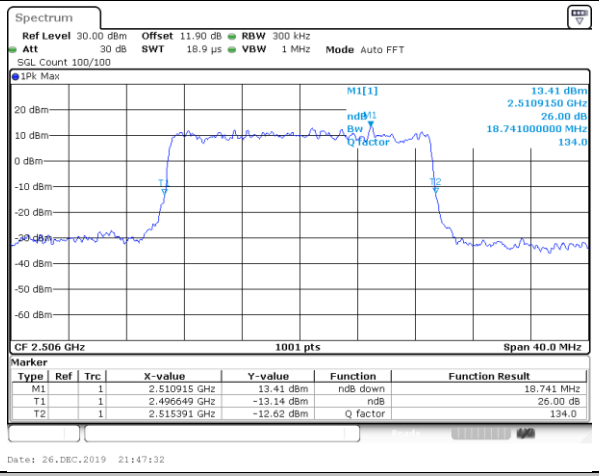


Highest Channel / 15MHz / 16QAM

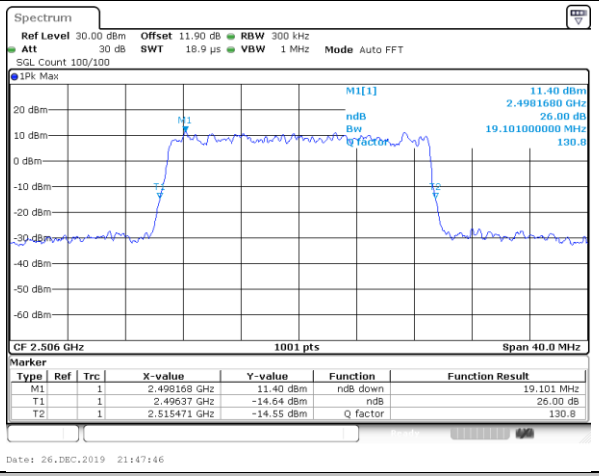


LTE Band 41

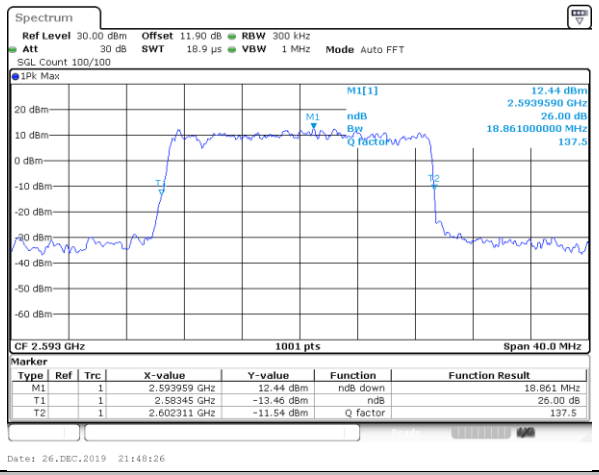
Lowest Channel / 20MHz / QPSK



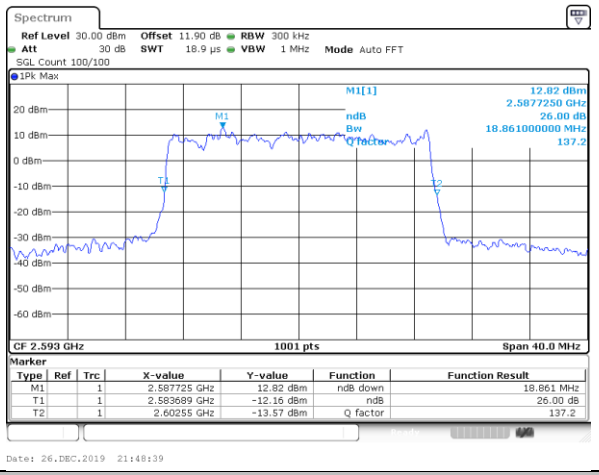
Lowest Channel / 20MHz / 16QAM



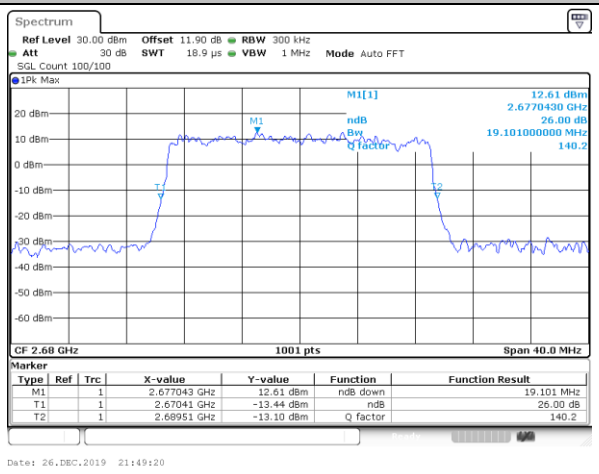
Middle Channel / 20MHz / QPSK



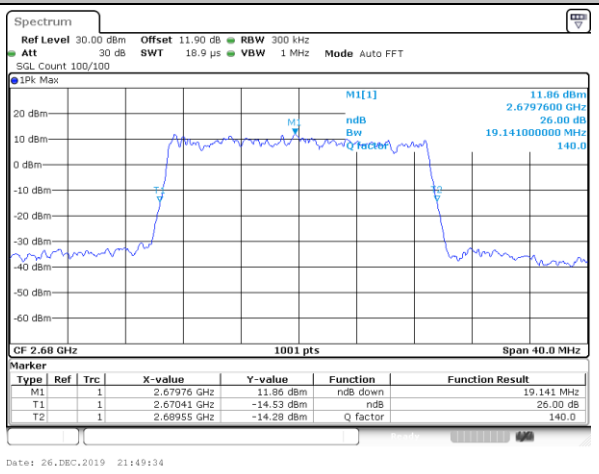
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

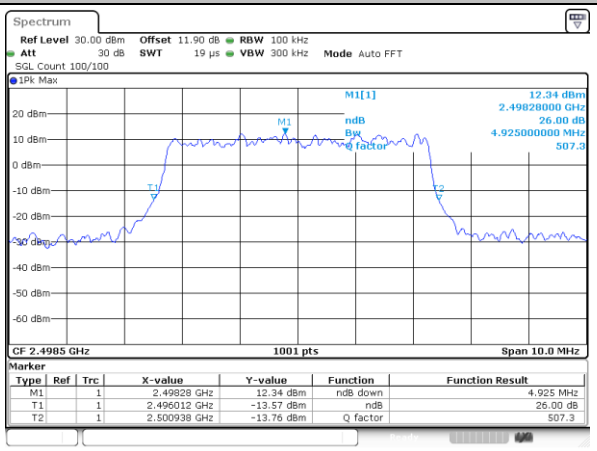


Highest Channel / 20MHz / 16QAM

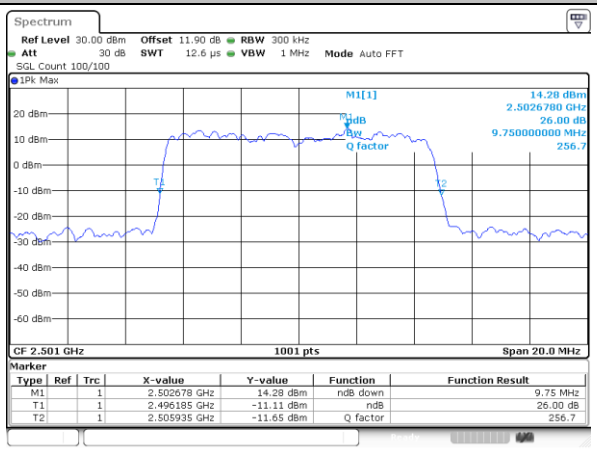


LTE Band 41

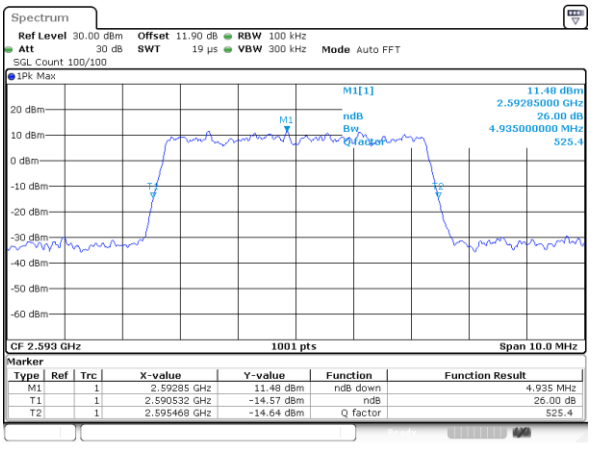
Lowest Channel / 5MHz / 64QAM



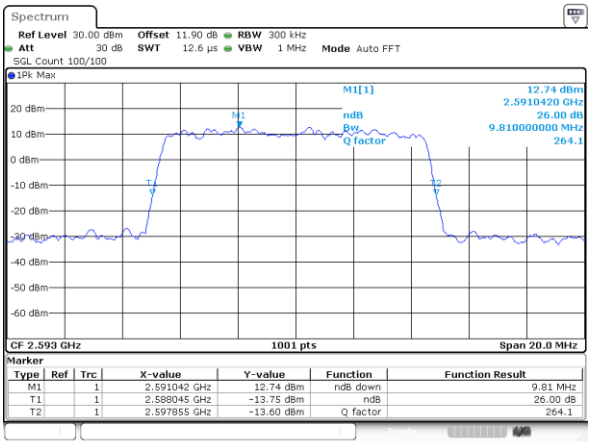
Lowest Channel / 10MHz / 64QAM



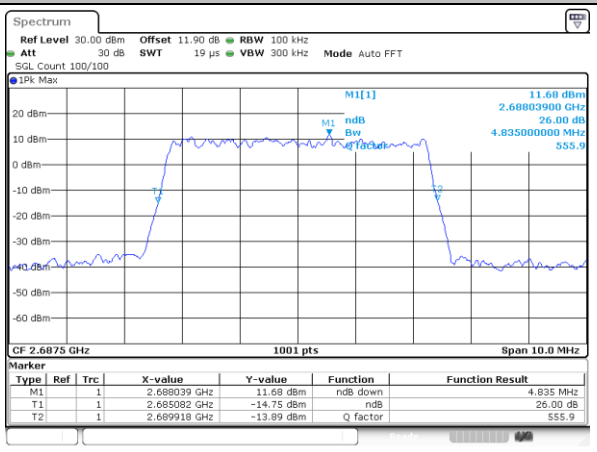
Middle Channel / 5MHz / 64QAM



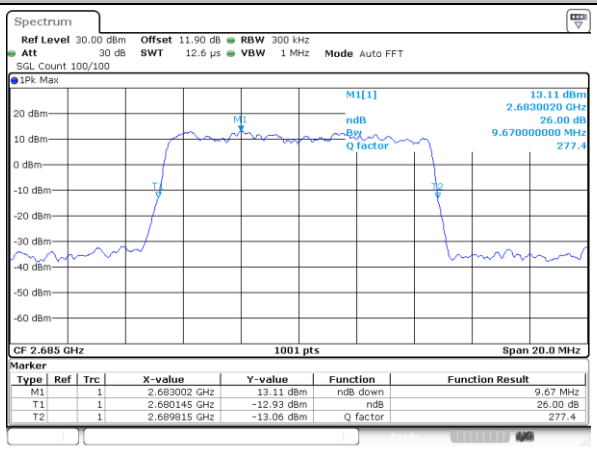
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

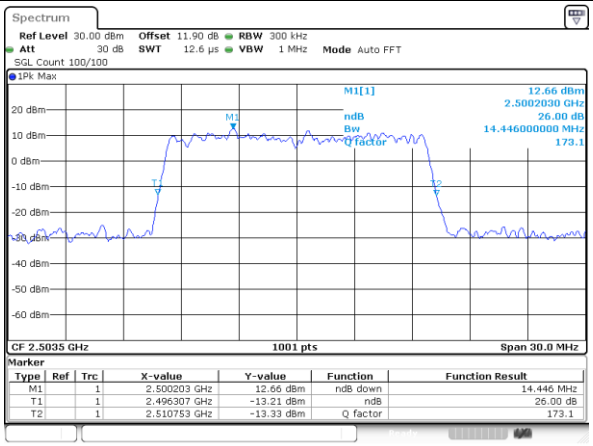


Highest Channel / 10MHz / 64QAM

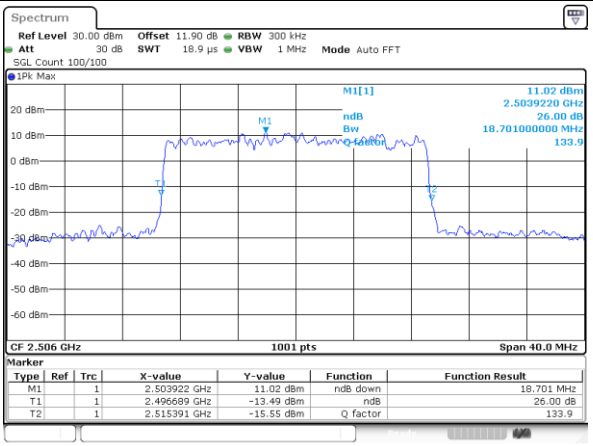


LTE Band 41

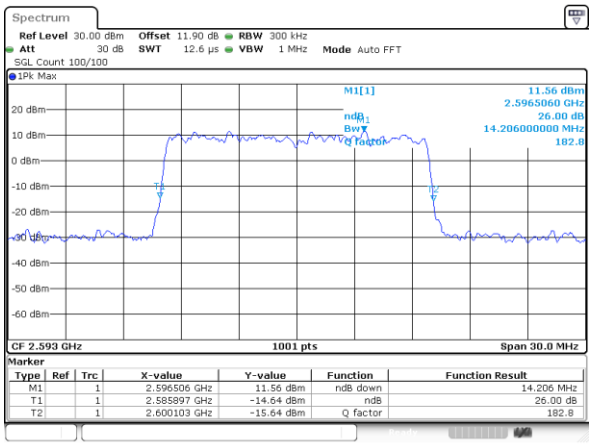
Lowest Channel / 15MHz / 64QAM



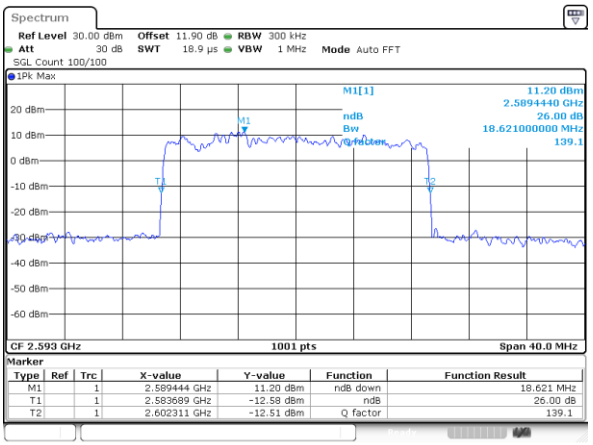
Lowest Channel / 20MHz / 64QAM



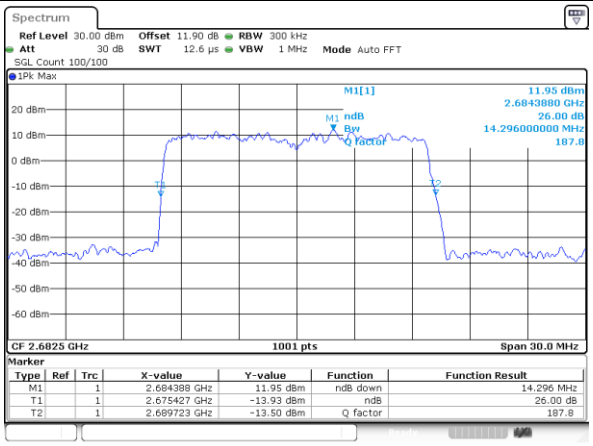
Middle Channel / 15MHz / 64QAM



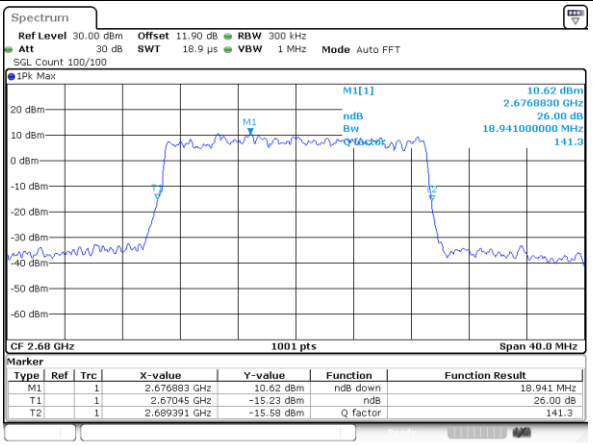
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

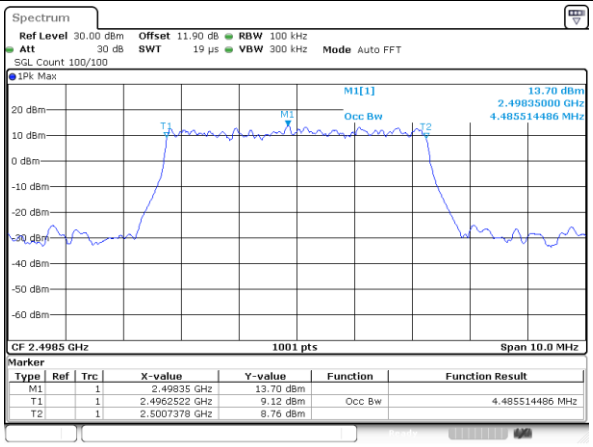


Occupied Bandwidth

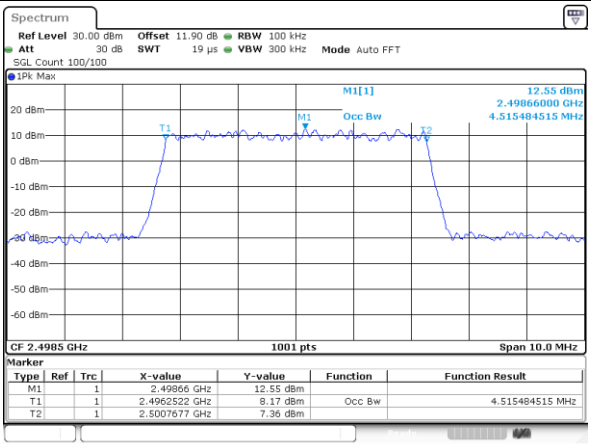
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.52	9.07	9.07	13.52	13.46	17.78	17.86
Middle CH	-	-	-	-	4.50	4.49	9.01	9.05	13.43	13.49	17.86	17.90
Highest CH	-	-	-	-	4.48	4.51	9.01	9.01	13.46	13.43	17.82	17.86
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.48	-	9.07	-	13.43	-	17.86	-
Middle CH	-	-	-	-	4.48	-	8.97	-	13.46	-	17.82	-
Highest CH	-	-	-	-	4.52	-	9.01	-	13.43	-	17.86	-

LTE Band 41

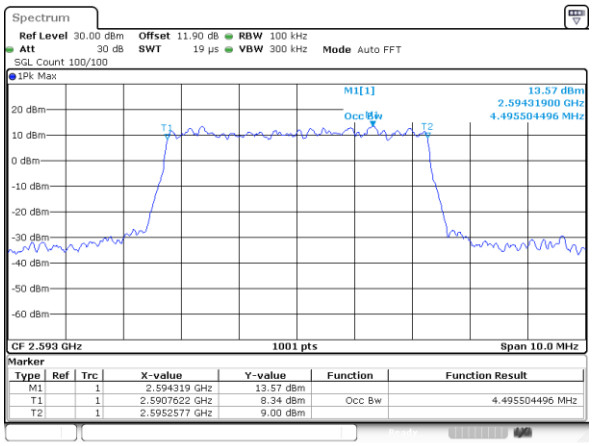
Lowest Channel / 5MHz / QPSK



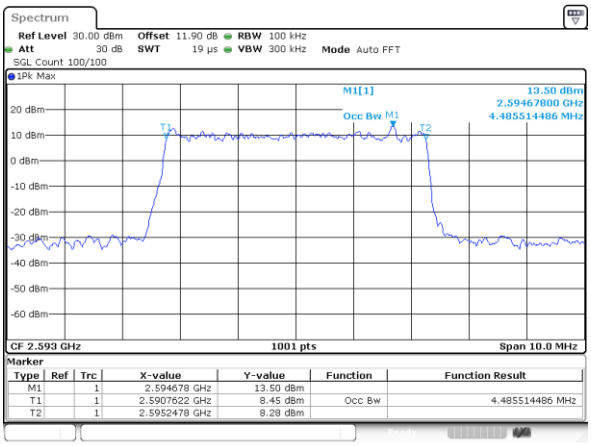
Lowest Channel / 5MHz / 16QAM



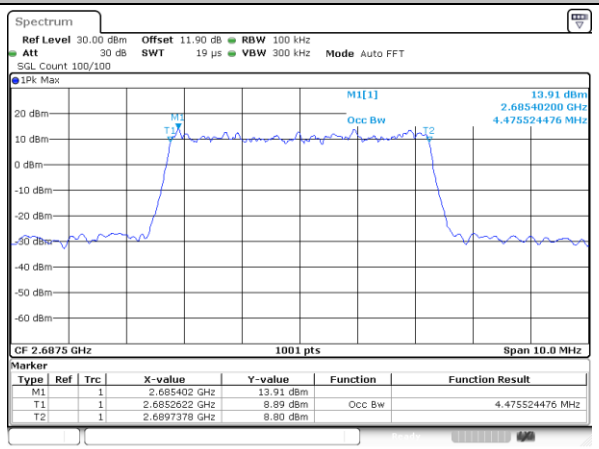
Middle Channel / 5MHz / QPSK



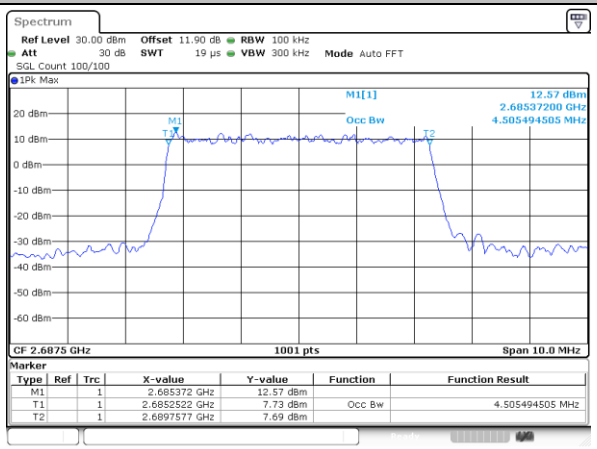
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

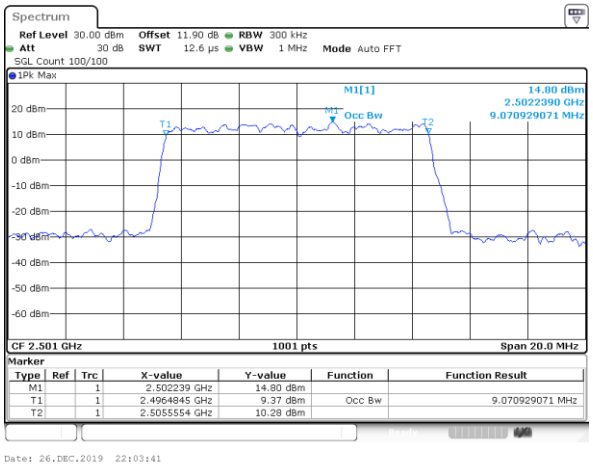


Highest Channel / 5MHz / 16QAM

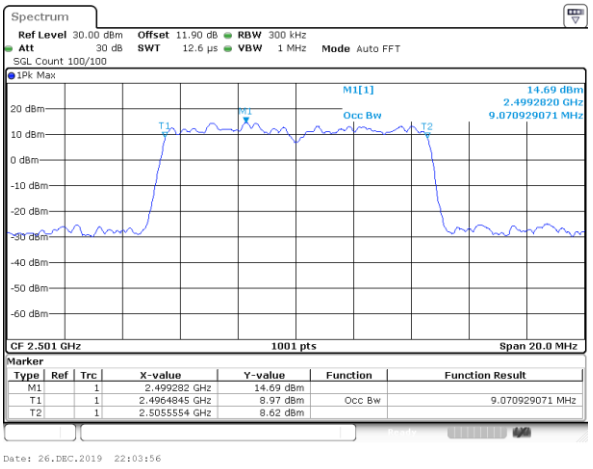


LTE Band 41

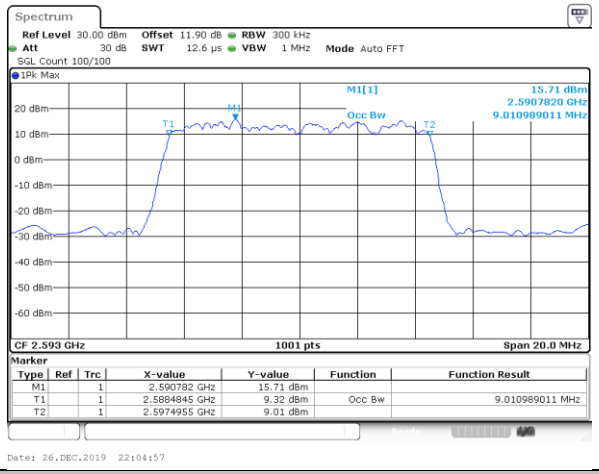
Lowest Channel / 10MHz / QPSK



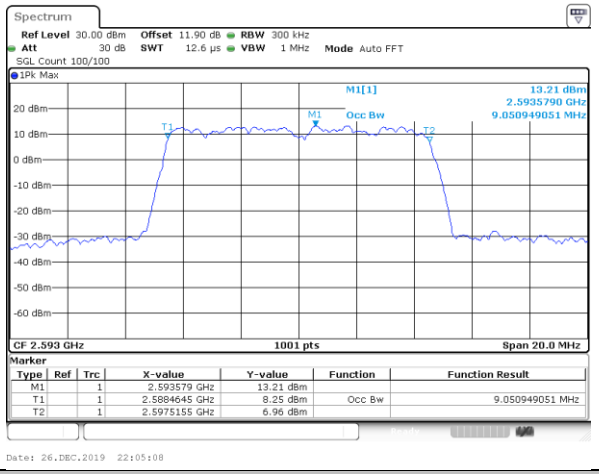
Lowest Channel / 10MHz / 16QAM



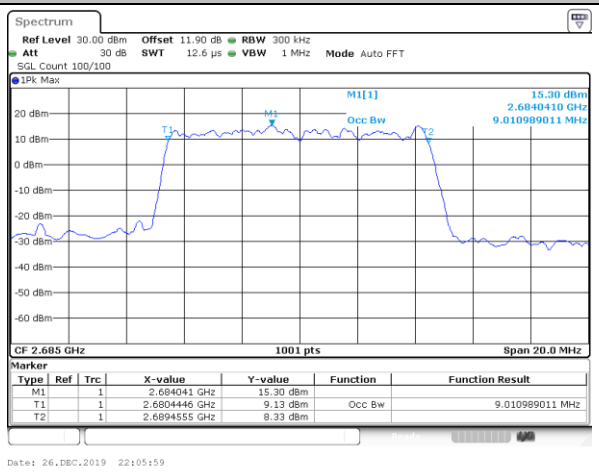
Middle Channel / 10MHz / QPSK



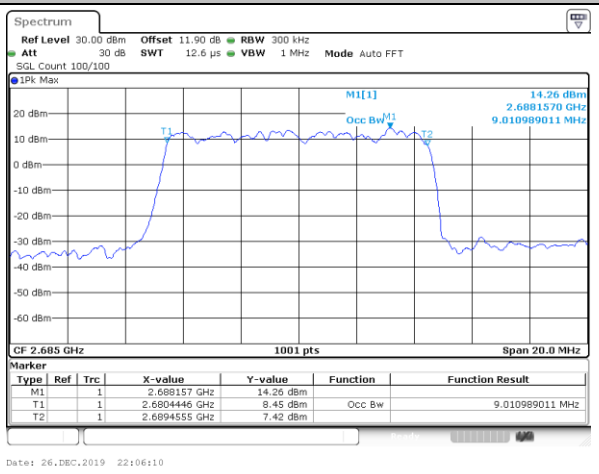
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

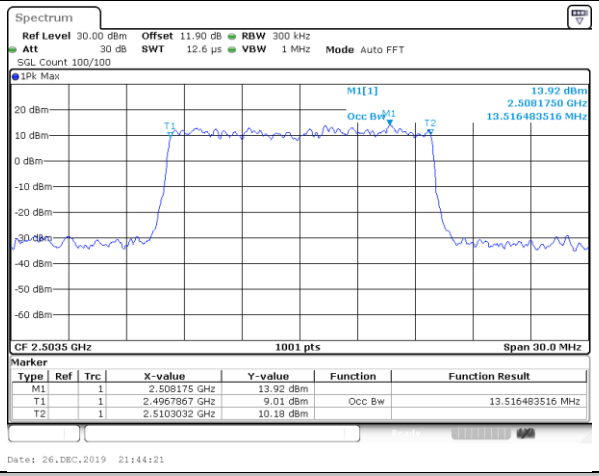


Highest Channel / 10MHz / 16QAM

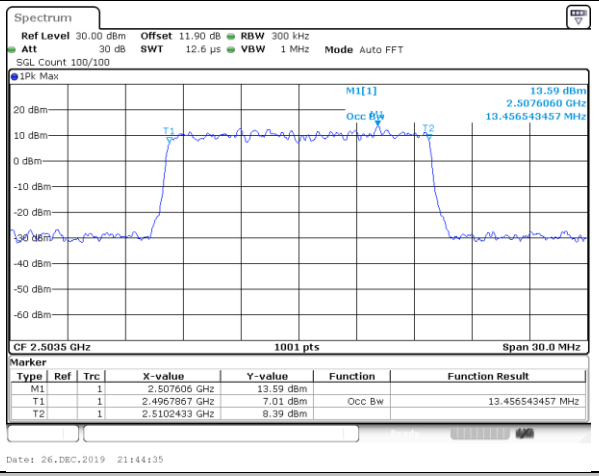


LTE Band 41

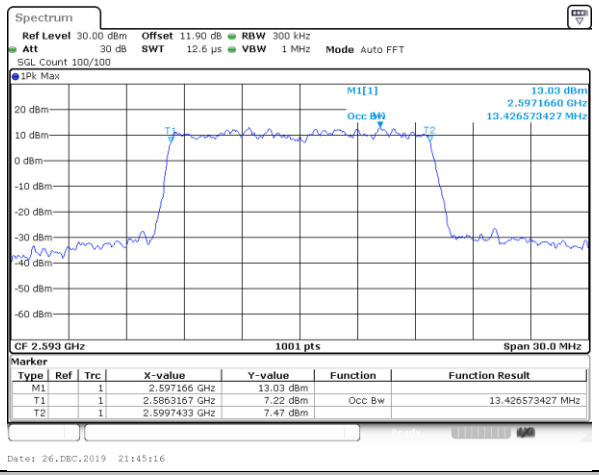
Lowest Channel / 15MHz / QPSK



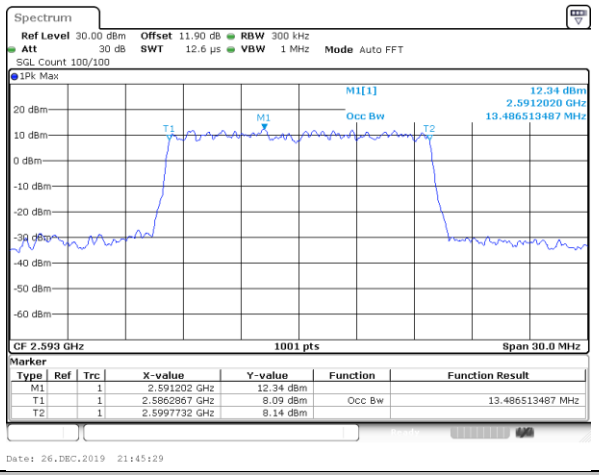
Lowest Channel / 15MHz / 16QAM



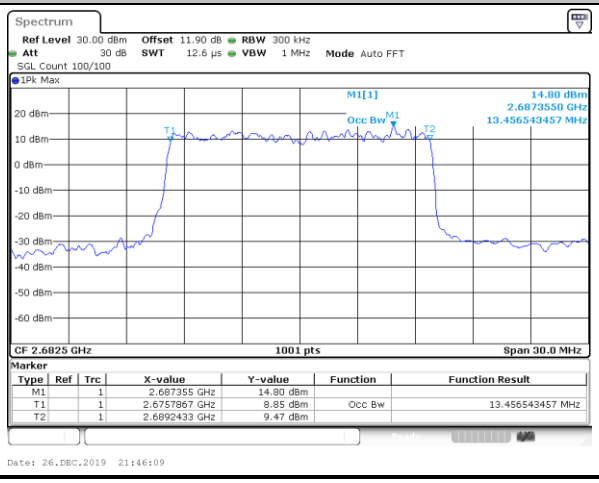
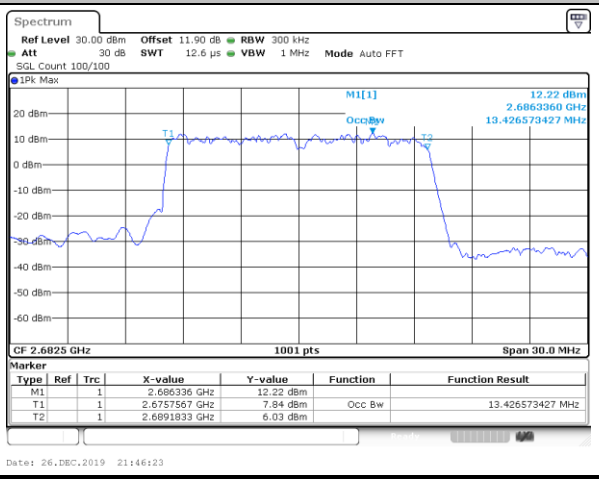
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM