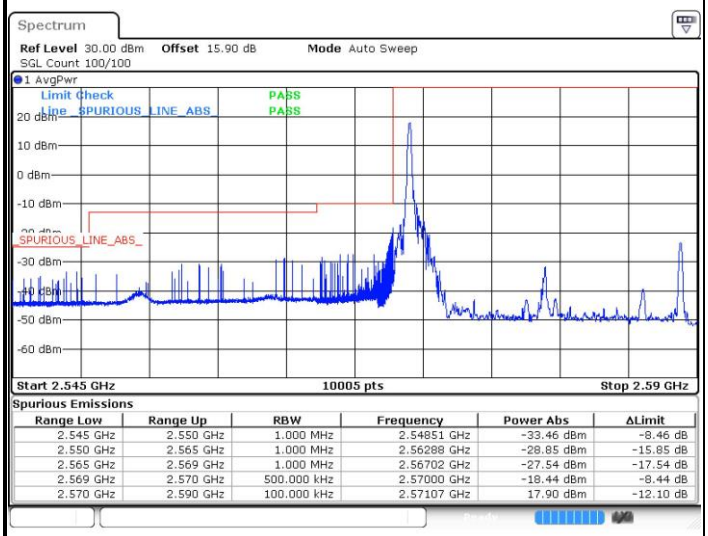
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

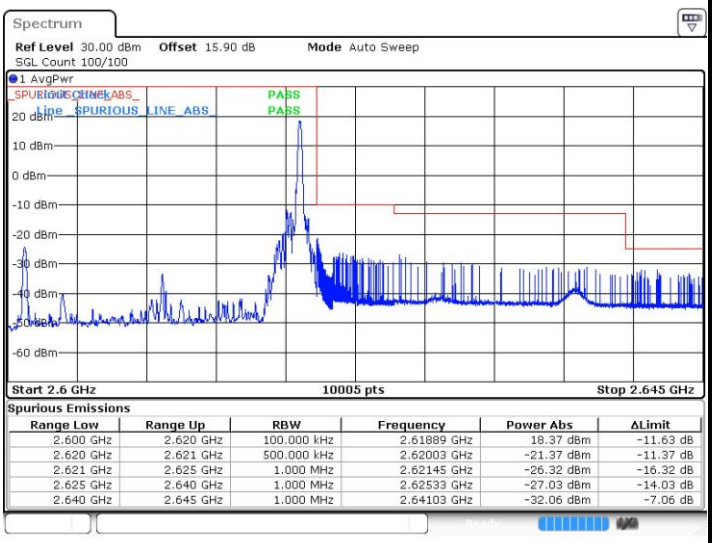


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.550 GHz	1.000 MHz	2.54851 GHz	-33.46 dBm	-8.46 dB
2.550 GHz	2.565 GHz	1.000 MHz	2.56288 GHz	-28.85 dBm	-15.85 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56702 GHz	-27.54 dBm	-17.54 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-18.44 dBm	-8.44 dB
2.570 GHz	2.590 GHz	100.000 kHz	2.57107 GHz	17.90 dBm	-12.10 dB

Date: 4.SEP.2018 15:44:09

Highest Band Edge / 1 RB

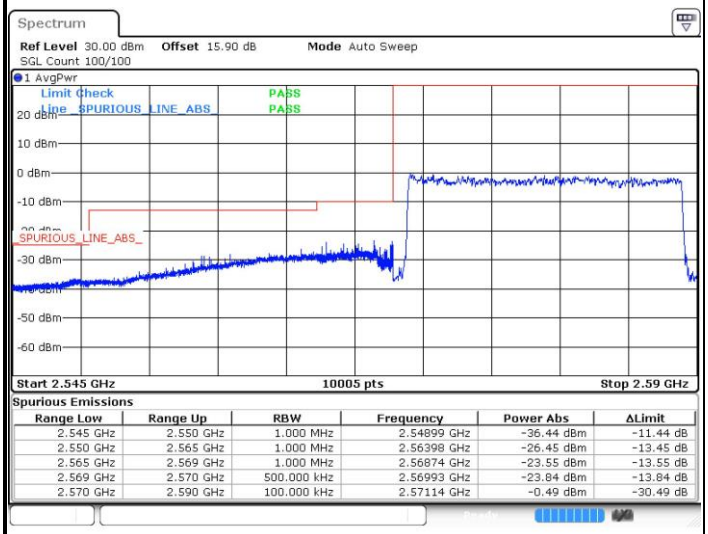


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.620 GHz	100.000 kHz	2.61889 GHz	18.37 dBm	-11.63 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62003 GHz	-21.37 dBm	-11.37 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62145 GHz	-26.32 dBm	-16.32 dB
2.625 GHz	2.640 GHz	1.000 MHz	2.62533 GHz	-27.03 dBm	-14.03 dB
2.640 GHz	2.645 GHz	1.000 MHz	2.64103 GHz	-32.06 dBm	-7.06 dB

Date: 4.SEP.2018 15:47:42

Lowest Band Edge / Full RB

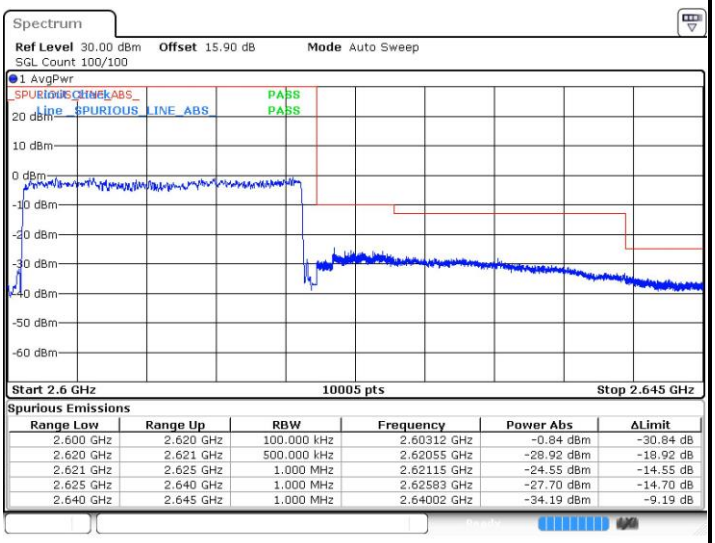


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.550 GHz	1.000 MHz	2.54899 GHz	-36.44 dBm	-11.44 dB
2.550 GHz	2.565 GHz	1.000 MHz	2.56398 GHz	-26.45 dBm	-13.45 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56874 GHz	-23.55 dBm	-13.55 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.56993 GHz	-23.84 dBm	-13.84 dB
2.570 GHz	2.590 GHz	100.000 kHz	2.57114 GHz	-0.49 dBm	-30.49 dB

Date: 4.SEP.2018 15:45:20

Highest Band Edge / Full RB



Spurious Emissions

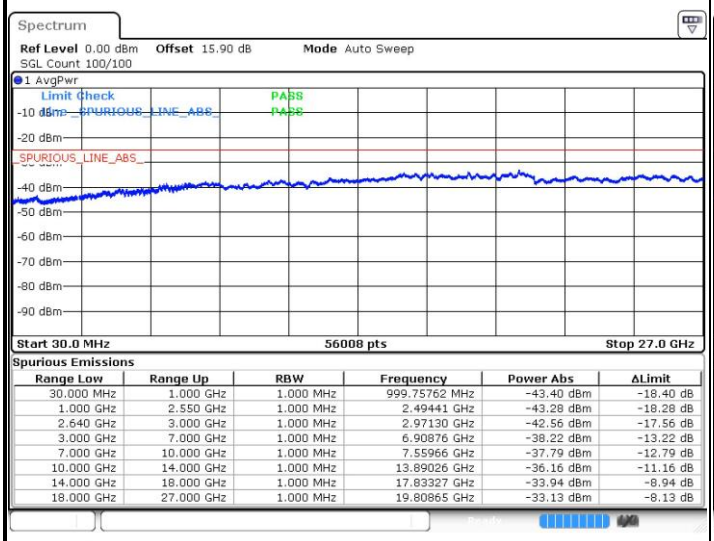
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.620 GHz	100.000 kHz	2.60312 GHz	-0.84 dBm	-30.84 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62055 GHz	-28.92 dBm	-18.92 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62115 GHz	-24.55 dBm	-14.55 dB
2.625 GHz	2.640 GHz	1.000 MHz	2.62583 GHz	-27.70 dBm	-14.70 dB
2.640 GHz	2.645 GHz	1.000 MHz	2.64002 GHz	-34.19 dBm	-9.19 dB

Date: 4.SEP.2018 15:46:31

Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

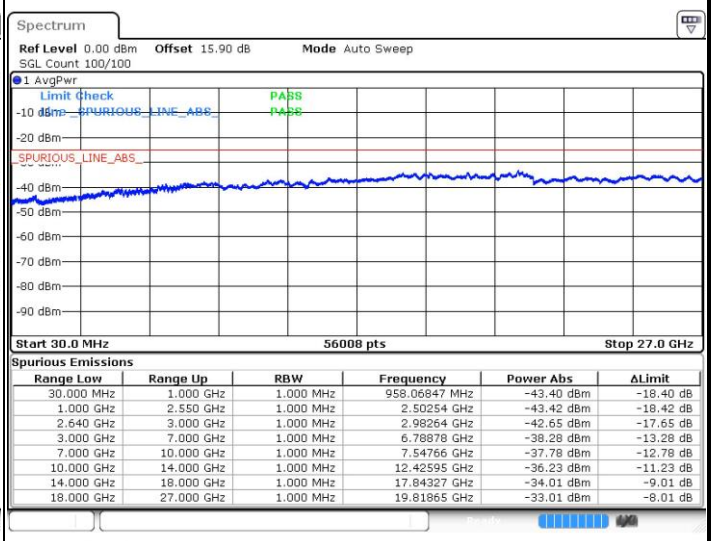


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-43.40 dBm	-18.40 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49441 GHz	-43.28 dBm	-18.28 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97130 GHz	-42.56 dBm	-17.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90876 GHz	-38.22 dBm	-13.22 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55966 GHz	-37.79 dBm	-12.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89026 GHz	-36.16 dBm	-11.16 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83327 GHz	-33.94 dBm	-8.94 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80865 GHz	-33.13 dBm	-8.13 dB

Date: 4.SEP.2018 15:58:41

Lowest Channel / 16QAM

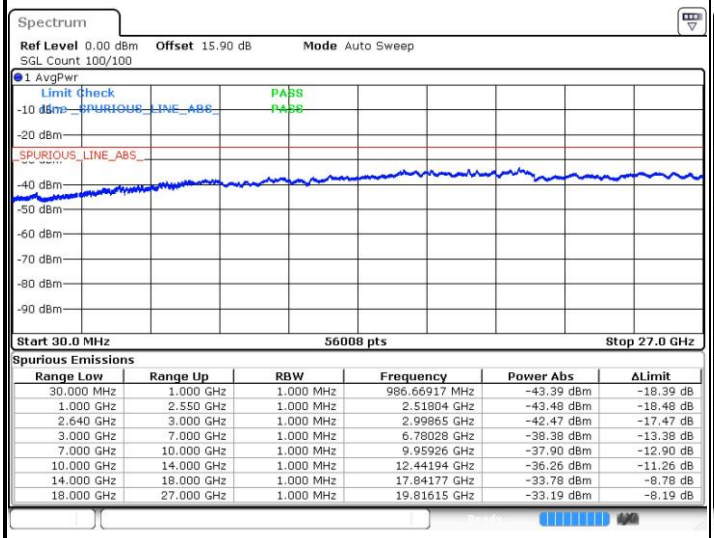


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.06847 MHz	-43.40 dBm	-18.40 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50254 GHz	-43.42 dBm	-18.42 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98264 GHz	-42.65 dBm	-17.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78878 GHz	-38.28 dBm	-13.28 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54766 GHz	-37.78 dBm	-12.78 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42595 GHz	-36.23 dBm	-11.23 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84327 GHz	-34.01 dBm	-9.01 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81865 GHz	-33.01 dBm	-8.01 dB

Date: 4.SEP.2018 15:59:31

Middle Channel / QPSK

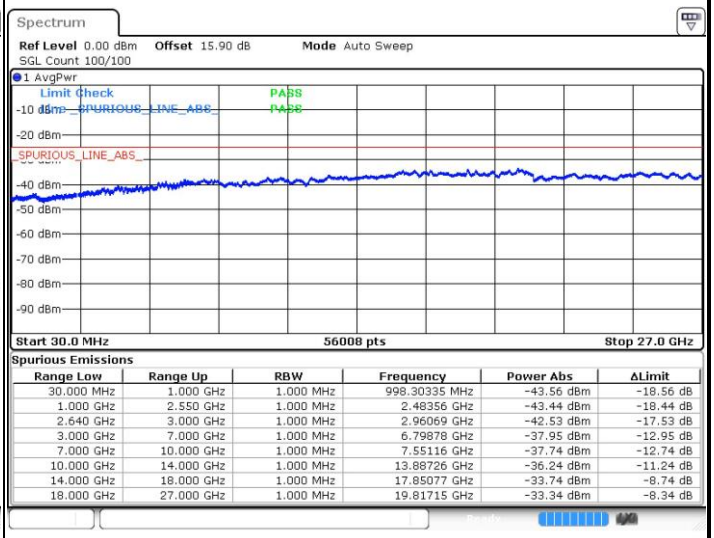


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.66917 MHz	-43.39 dBm	-18.39 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51804 GHz	-43.48 dBm	-18.48 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99865 GHz	-42.47 dBm	-17.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78028 GHz	-38.38 dBm	-13.38 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95926 GHz	-37.90 dBm	-12.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44194 GHz	-36.26 dBm	-11.26 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84177 GHz	-33.78 dBm	-8.78 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81615 GHz	-33.19 dBm	-8.19 dB

Date: 4.SEP.2018 16:00:22

Middle Channel / 16QAM



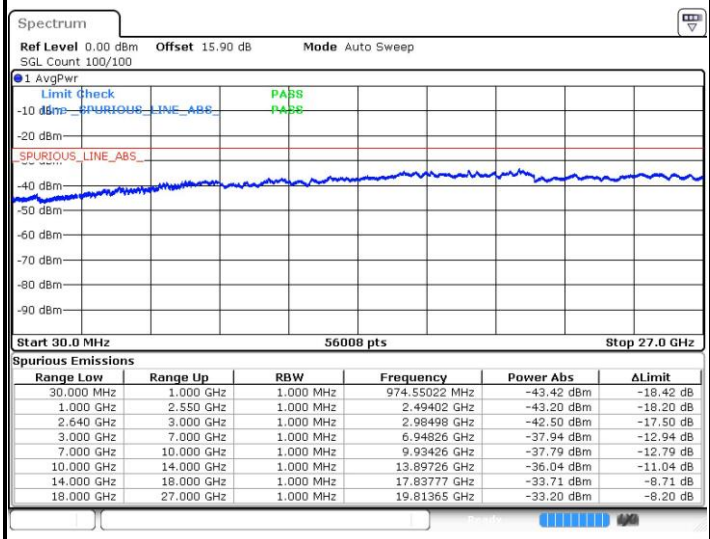
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-43.56 dBm	-18.56 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48356 GHz	-43.44 dBm	-18.44 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.96069 GHz	-42.53 dBm	-17.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79878 GHz	-37.95 dBm	-12.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55116 GHz	-37.74 dBm	-12.74 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.88726 GHz	-36.24 dBm	-11.24 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85077 GHz	-33.74 dBm	-8.74 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81715 GHz	-33.34 dBm	-8.34 dB

Date: 4.SEP.2018 16:01:13

LTE Band 38 / 5MHz

Highest Channel / QPSK

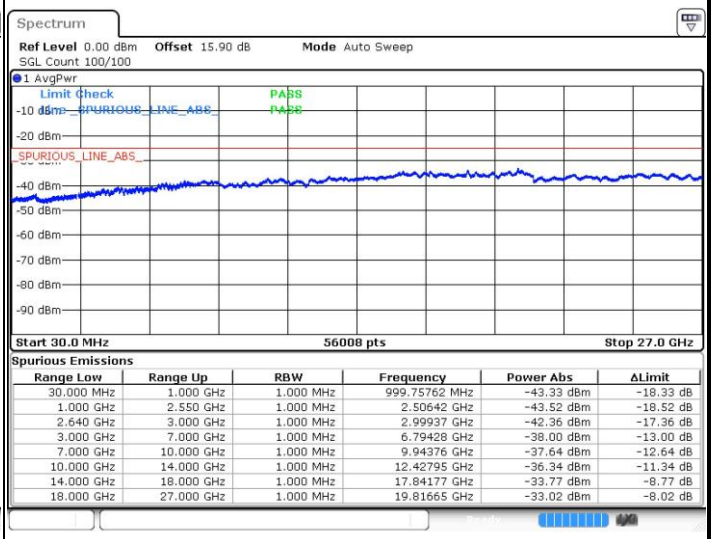


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-43.42 dBm	-18.42 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49402 GHz	-43.20 dBm	-18.20 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98498 GHz	-42.50 dBm	-17.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94826 GHz	-37.94 dBm	-12.94 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.93426 GHz	-37.79 dBm	-12.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89726 GHz	-36.04 dBm	-11.04 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83777 GHz	-33.71 dBm	-8.71 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81365 GHz	-33.20 dBm	-8.20 dB

Date: 4.SEP.2018 16:02:03

Highest Channel / 16QAM



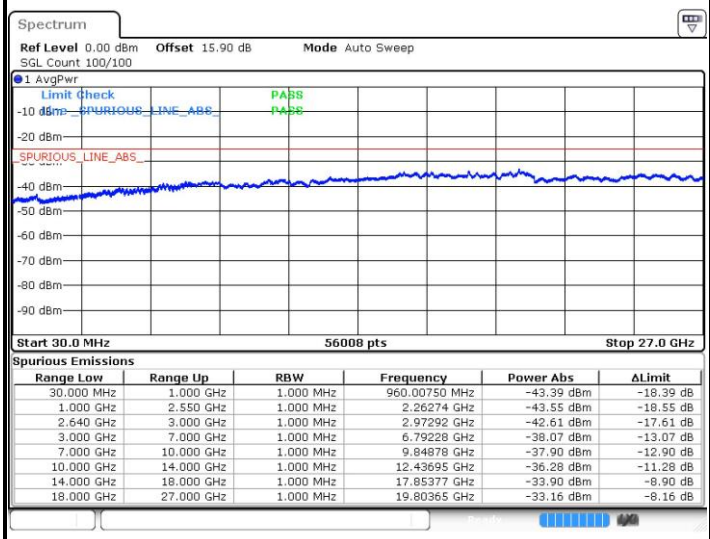
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-43.33 dBm	-18.33 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50642 GHz	-43.52 dBm	-18.52 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99937 GHz	-42.36 dBm	-17.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79428 GHz	-38.00 dBm	-13.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94376 GHz	-37.64 dBm	-12.64 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42795 GHz	-36.34 dBm	-11.34 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84177 GHz	-33.77 dBm	-8.77 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81665 GHz	-33.02 dBm	-8.02 dB

Date: 4.SEP.2018 16:02:54

LTE Band 38 / 10MHz

Lowest Channel / QPSK

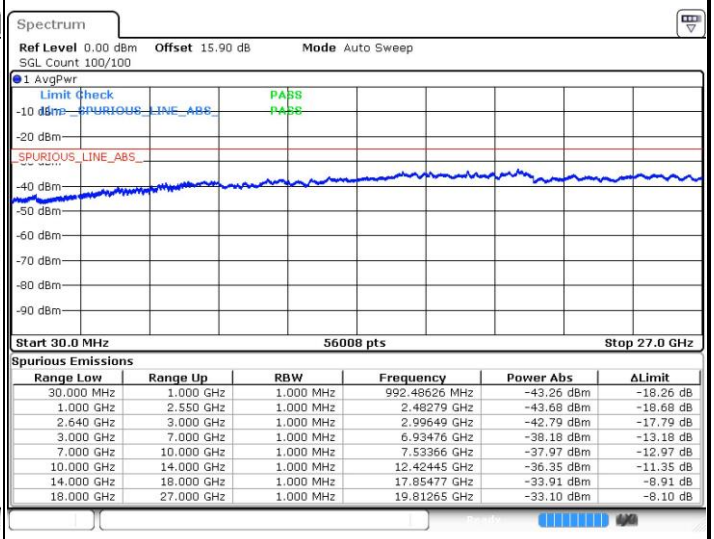


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-43.39 dBm	-18.39 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.26274 GHz	-43.55 dBm	-18.55 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97292 GHz	-42.61 dBm	-17.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79228 GHz	-38.07 dBm	-13.07 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.84878 GHz	-37.90 dBm	-12.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43695 GHz	-36.28 dBm	-11.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85377 GHz	-33.90 dBm	-8.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80365 GHz	-33.16 dBm	-8.16 dB

Date: 4.SEP.2018 16:03:45

Lowest Channel / 16QAM



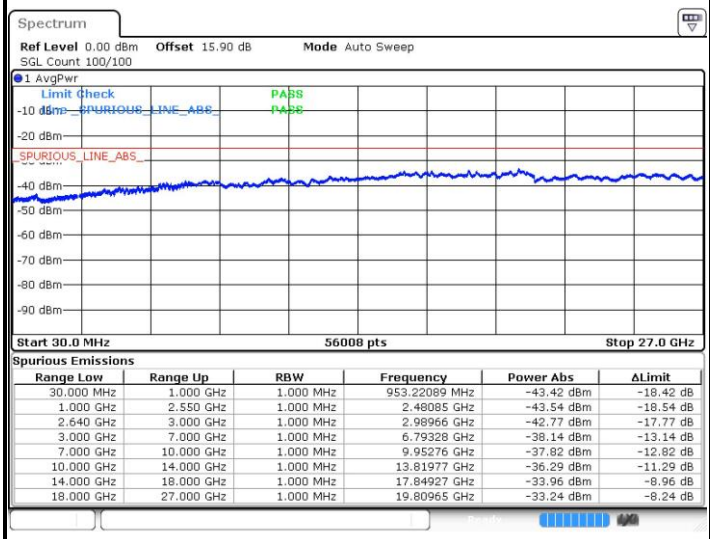
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-43.26 dBm	-18.26 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48279 GHz	-43.68 dBm	-18.68 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99649 GHz	-42.79 dBm	-17.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93476 GHz	-38.18 dBm	-13.18 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.53366 GHz	-37.97 dBm	-12.97 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42445 GHz	-36.35 dBm	-11.35 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85477 GHz	-33.91 dBm	-8.91 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81265 GHz	-33.10 dBm	-8.10 dB

Date: 4.SEP.2018 16:04:36

LTE Band 38 / 10MHz

Middle Channel / QPSK

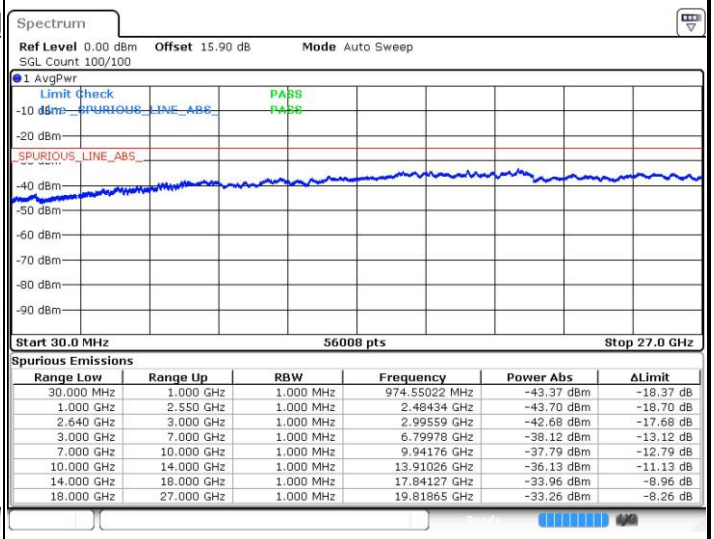


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.22089 MHz	-43.42 dBm	-18.42 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48085 GHz	-43.54 dBm	-18.54 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98966 GHz	-42.77 dBm	-17.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79328 GHz	-38.14 dBm	-13.14 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95276 GHz	-37.82 dBm	-12.82 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.81977 GHz	-36.29 dBm	-11.29 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84927 GHz	-33.96 dBm	-8.96 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80965 GHz	-33.24 dBm	-8.24 dB

Date: 4.SEP.2018 16:05:27

Middle Channel / 16QAM

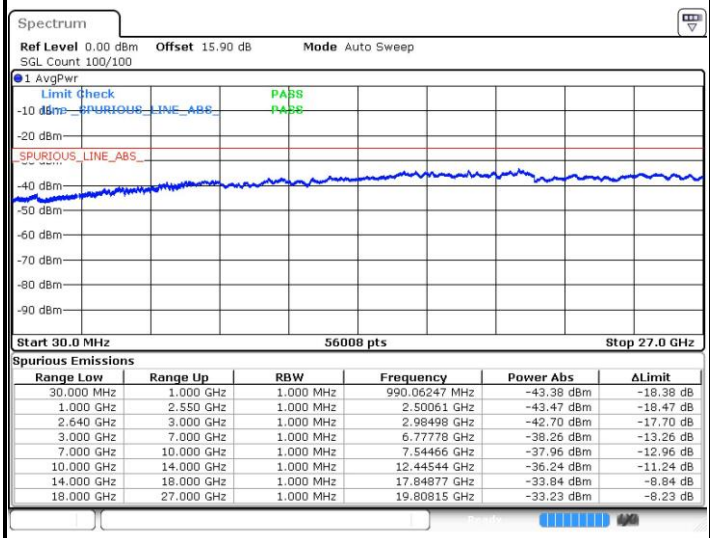


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-43.37 dBm	-18.37 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48434 GHz	-43.70 dBm	-18.70 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99559 GHz	-42.68 dBm	-17.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79978 GHz	-38.12 dBm	-13.12 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94176 GHz	-37.79 dBm	-12.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91026 GHz	-36.13 dBm	-11.13 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84127 GHz	-33.96 dBm	-8.96 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81865 GHz	-33.26 dBm	-8.26 dB

Date: 4.SEP.2018 16:06:18

Highest Channel / QPSK

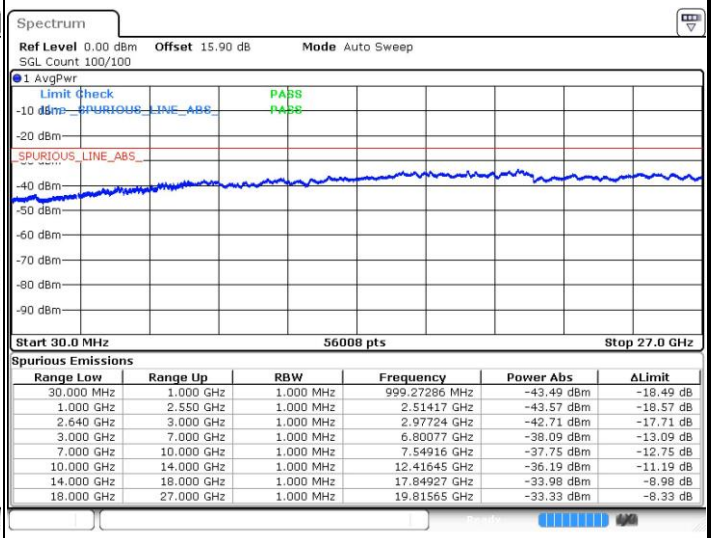


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-43.38 dBm	-18.38 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50061 GHz	-43.47 dBm	-18.47 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98498 GHz	-42.70 dBm	-17.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77778 GHz	-38.26 dBm	-13.26 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54466 GHz	-37.96 dBm	-12.96 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44544 GHz	-36.24 dBm	-11.24 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84877 GHz	-33.84 dBm	-8.84 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80815 GHz	-33.23 dBm	-8.23 dB

Date: 4.SEP.2018 16:07:08

Highest Channel / 16QAM



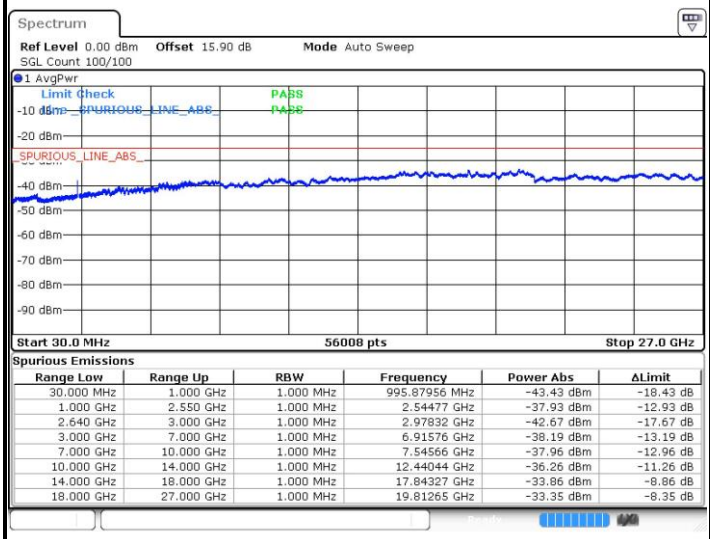
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.27286 MHz	-43.49 dBm	-18.49 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51417 GHz	-43.57 dBm	-18.57 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97724 GHz	-42.71 dBm	-17.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80077 GHz	-38.09 dBm	-13.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54916 GHz	-37.75 dBm	-12.75 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.41645 GHz	-36.19 dBm	-11.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84927 GHz	-33.98 dBm	-8.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81565 GHz	-33.33 dBm	-8.33 dB

Date: 4.SEP.2018 16:07:59

LTE Band 38 / 15MHz

Lowest Channel / QPSK

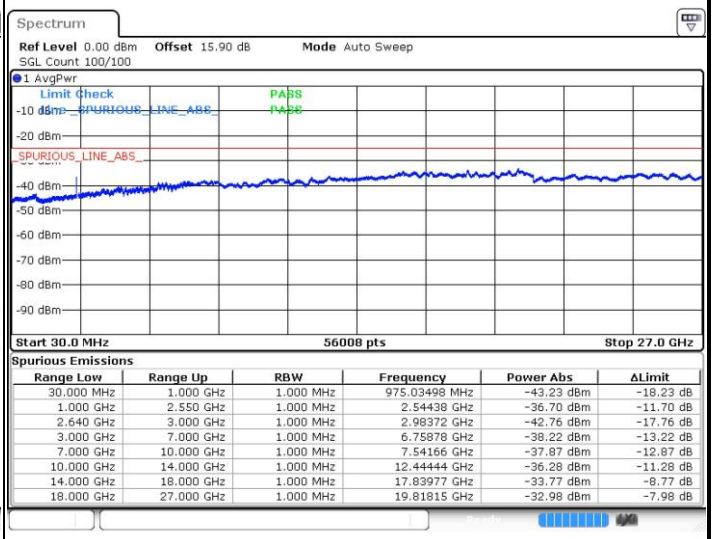


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-43.43 dBm	-18.43 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54477 GHz	-37.93 dBm	-12.93 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97832 GHz	-42.67 dBm	-17.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91576 GHz	-38.19 dBm	-13.19 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54566 GHz	-37.96 dBm	-12.96 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44044 GHz	-36.26 dBm	-11.26 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84327 GHz	-33.86 dBm	-8.86 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81265 GHz	-33.35 dBm	-8.35 dB

Date: 4.SEP.2018 16:08:50

Lowest Channel / 16QAM

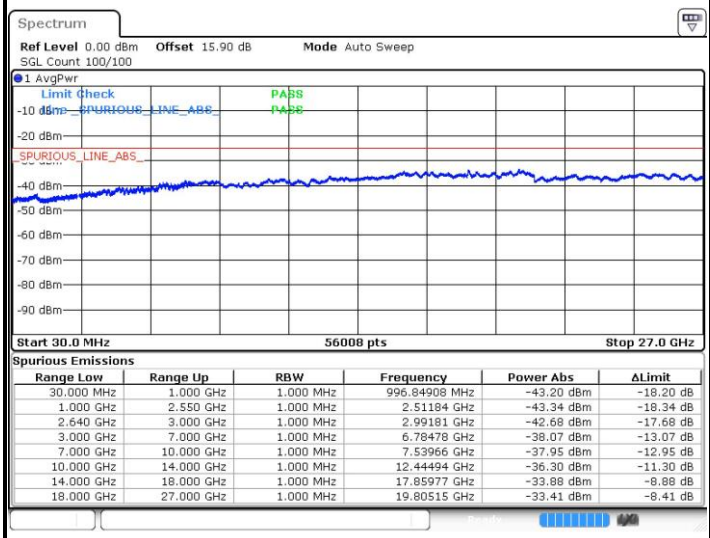


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.03498 MHz	-43.23 dBm	-18.23 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54438 GHz	-36.70 dBm	-11.70 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98372 GHz	-42.76 dBm	-17.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75878 GHz	-38.22 dBm	-13.22 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54166 GHz	-37.87 dBm	-12.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44444 GHz	-36.28 dBm	-11.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83977 GHz	-33.77 dBm	-8.77 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81815 GHz	-32.98 dBm	-7.98 dB

Date: 4.SEP.2018 16:09:41

Middle Channel / QPSK

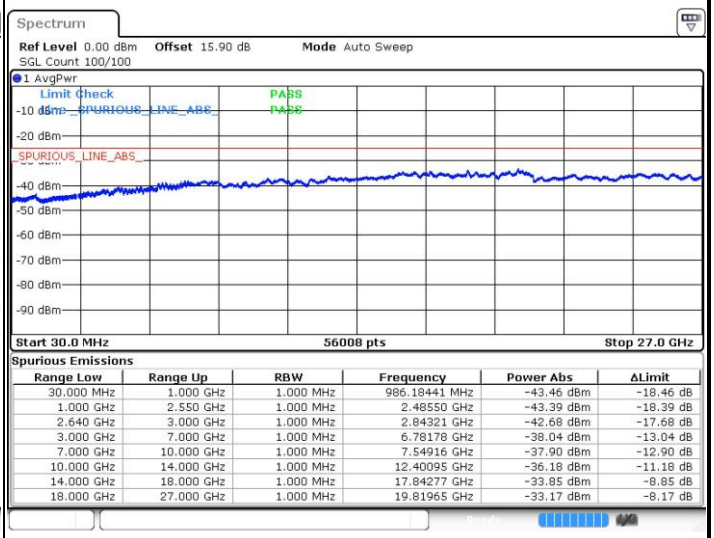


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.84908 MHz	-43.20 dBm	-18.20 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51184 GHz	-43.34 dBm	-18.34 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99181 GHz	-42.68 dBm	-17.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78478 GHz	-38.07 dBm	-13.07 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.53966 GHz	-37.95 dBm	-12.95 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44494 GHz	-36.30 dBm	-11.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85977 GHz	-33.88 dBm	-8.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80515 GHz	-33.41 dBm	-8.41 dB

Date: 4.SEP.2018 16:10:31

Middle Channel / 16QAM



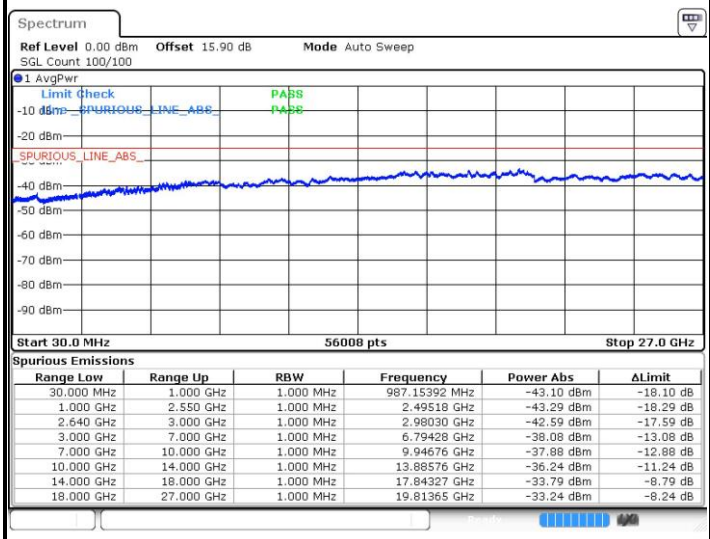
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.18441 MHz	-43.46 dBm	-18.46 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48550 GHz	-43.39 dBm	-18.39 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.84321 GHz	-42.68 dBm	-17.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78178 GHz	-38.04 dBm	-13.04 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54916 GHz	-37.90 dBm	-12.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.40095 GHz	-36.18 dBm	-11.18 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84277 GHz	-33.85 dBm	-8.85 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81965 GHz	-33.17 dBm	-8.17 dB

Date: 4.SEP.2018 16:11:22

LTE Band 38 / 15MHz

Highest Channel / QPSK

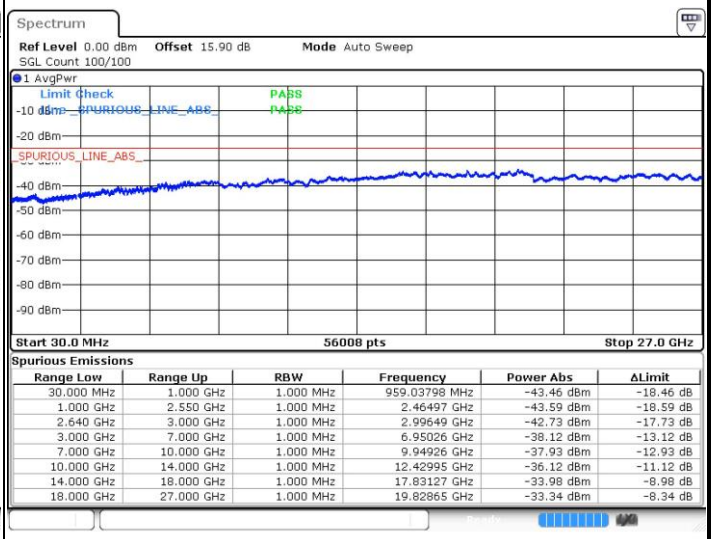


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-43.10 dBm	-18.10 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49518 GHz	-43.29 dBm	-18.29 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98030 GHz	-42.59 dBm	-17.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79428 GHz	-38.08 dBm	-13.08 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94676 GHz	-37.88 dBm	-12.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.88576 GHz	-36.24 dBm	-11.24 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84327 GHz	-33.79 dBm	-8.79 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81365 GHz	-33.24 dBm	-8.24 dB

Date: 4.SEP.2018 16:12:13

Highest Channel / 16QAM



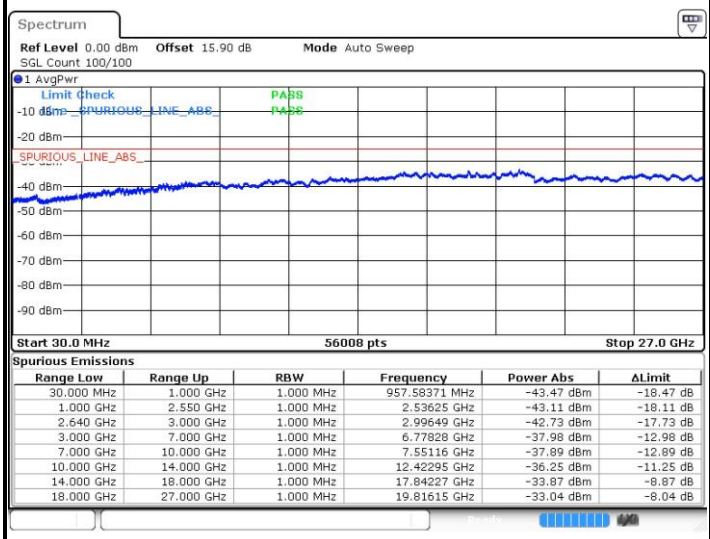
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.03798 MHz	-43.46 dBm	-18.46 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.46497 GHz	-43.59 dBm	-18.59 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99649 GHz	-42.73 dBm	-17.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95026 GHz	-38.12 dBm	-13.12 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94926 GHz	-37.93 dBm	-12.93 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42995 GHz	-36.12 dBm	-11.12 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83127 GHz	-33.98 dBm	-8.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.82865 GHz	-33.34 dBm	-8.34 dB

Date: 4.SEP.2018 16:13:03

LTE Band 38 / 20MHz

Lowest Channel / QPSK

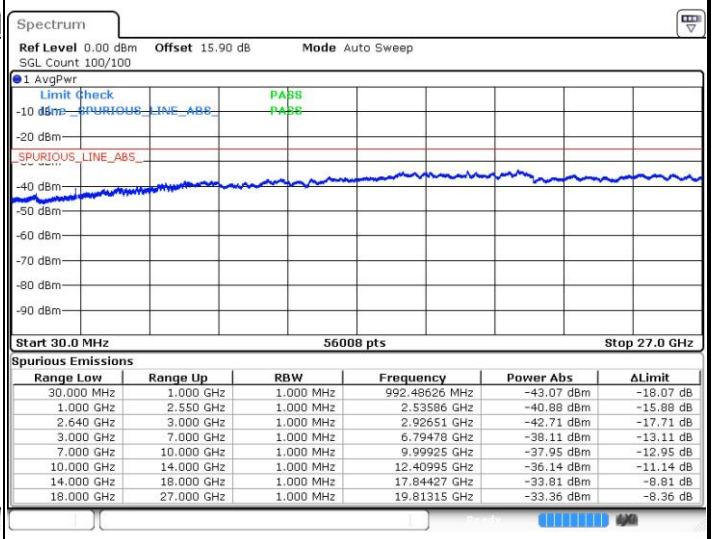


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.58371 MHz	-43.47 dBm	-18.47 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.53625 GHz	-43.11 dBm	-18.11 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99649 GHz	-42.73 dBm	-17.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77828 GHz	-37.98 dBm	-12.98 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55116 GHz	-37.89 dBm	-12.89 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42295 GHz	-36.25 dBm	-11.25 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84227 GHz	-33.87 dBm	-8.87 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81615 GHz	-33.04 dBm	-8.04 dB

Date: 4.SEP.2018 16:13:54

Lowest Channel / 16QAM



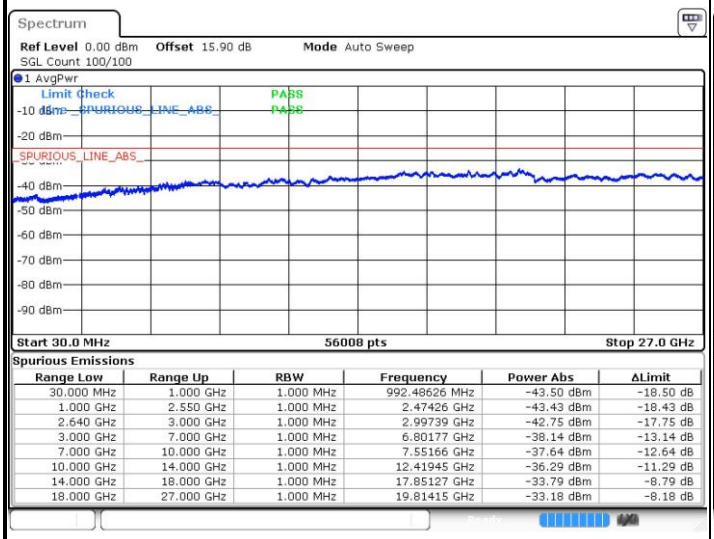
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-43.07 dBm	-18.07 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.53586 GHz	-40.88 dBm	-15.88 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.92651 GHz	-42.71 dBm	-17.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79478 GHz	-38.11 dBm	-13.11 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99925 GHz	-37.95 dBm	-12.95 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.40995 GHz	-36.14 dBm	-11.14 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84427 GHz	-33.81 dBm	-8.81 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81315 GHz	-33.36 dBm	-8.36 dB

Date: 4.SEP.2018 16:14:45

LTE Band 38 / 20MHz

Middle Channel / QPSK

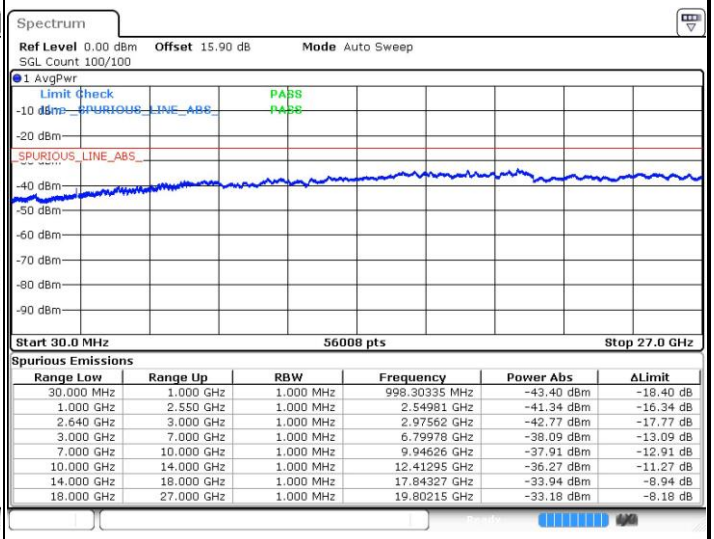


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-43.50 dBm	-18.50 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.47426 GHz	-43.43 dBm	-18.43 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99739 GHz	-42.75 dBm	-17.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80177 GHz	-38.14 dBm	-13.14 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55166 GHz	-37.64 dBm	-12.64 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.41945 GHz	-36.29 dBm	-11.29 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85127 GHz	-33.79 dBm	-8.79 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81415 GHz	-33.18 dBm	-8.18 dB

Date: 4.SEP.2018 16:15:35

Middle Channel / 16QAM

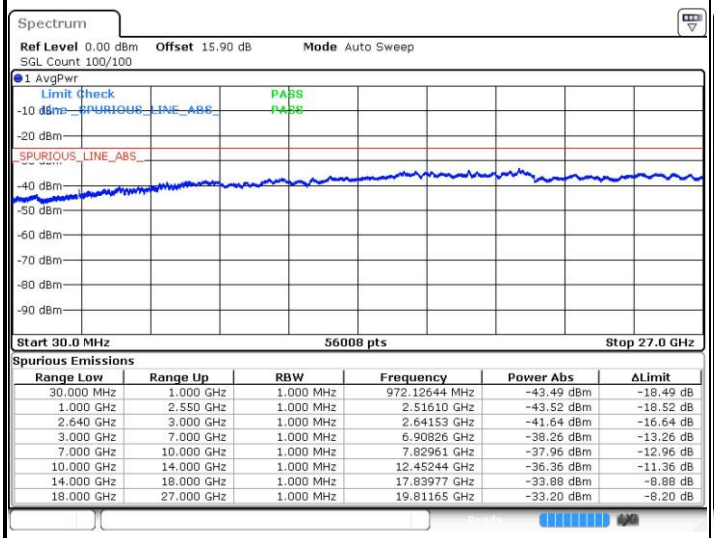


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-43.40 dBm	-18.40 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54981 GHz	-41.34 dBm	-16.34 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97562 GHz	-42.77 dBm	-17.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79978 GHz	-38.09 dBm	-13.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94626 GHz	-37.91 dBm	-12.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.41295 GHz	-36.27 dBm	-11.27 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84327 GHz	-33.94 dBm	-8.94 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80215 GHz	-33.18 dBm	-8.18 dB

Date: 4.SEP.2018 16:16:26

Highest Channel / QPSK

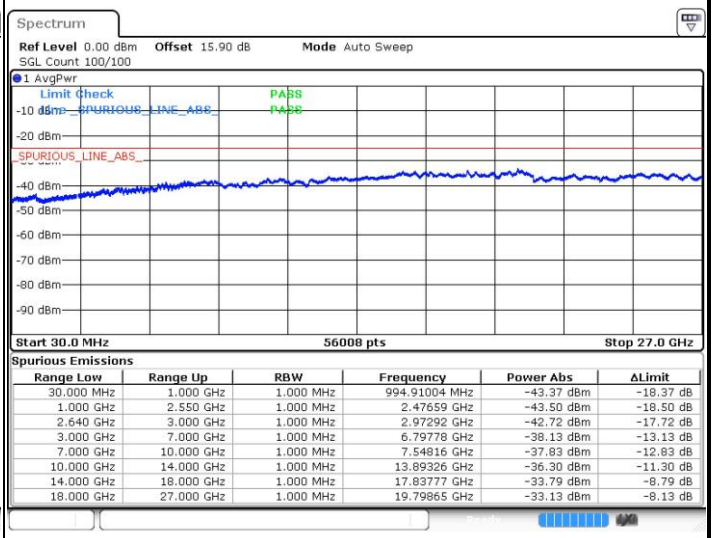


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-43.49 dBm	-18.49 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51610 GHz	-43.52 dBm	-18.52 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64153 GHz	-41.64 dBm	-16.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-38.26 dBm	-13.26 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.82961 GHz	-37.96 dBm	-12.96 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.45244 GHz	-36.36 dBm	-11.36 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83977 GHz	-33.88 dBm	-8.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81165 GHz	-33.20 dBm	-8.20 dB

Date: 4.SEP.2018 16:17:17

Highest Channel / 16QAM



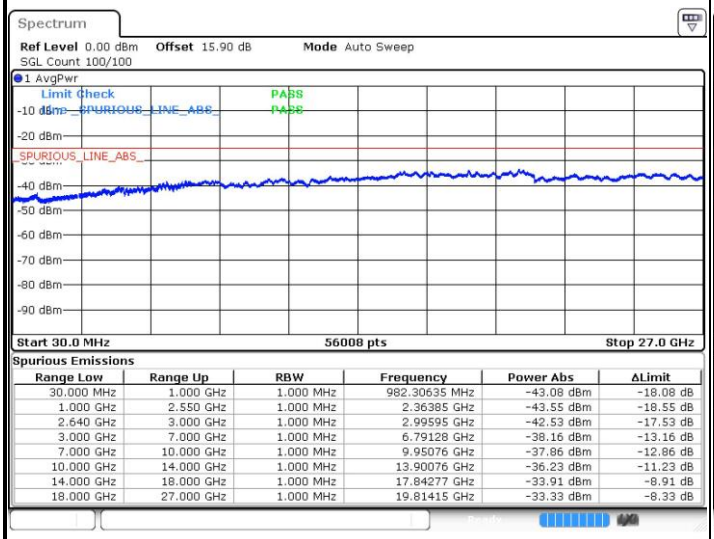
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-43.37 dBm	-18.37 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.47659 GHz	-43.50 dBm	-18.50 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97292 GHz	-42.72 dBm	-17.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-38.13 dBm	-13.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54816 GHz	-37.83 dBm	-12.83 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89326 GHz	-36.30 dBm	-11.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83777 GHz	-33.79 dBm	-8.79 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79865 GHz	-33.13 dBm	-8.13 dB

Date: 4.SEP.2018 16:18:07

LTE Band 38 / 5MHz

Lowest Channel / 64QAM

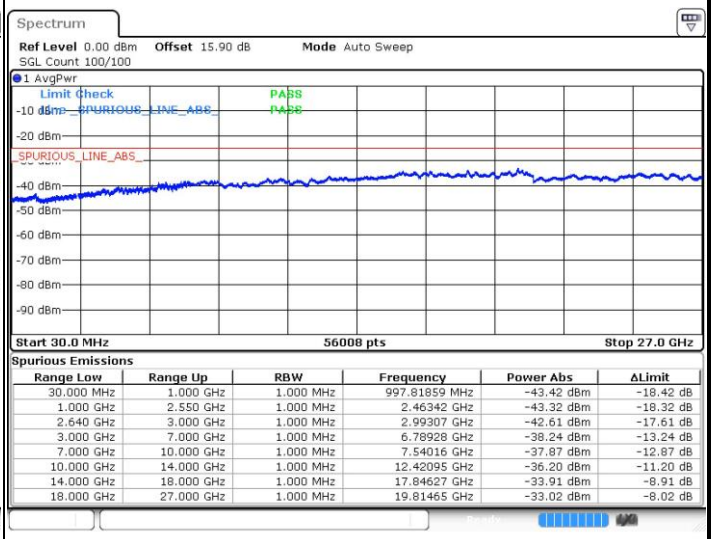


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-43.08 dBm	-18.08 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.36385 GHz	-43.55 dBm	-18.55 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99595 GHz	-42.53 dBm	-17.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79128 GHz	-38.16 dBm	-13.16 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95076 GHz	-37.86 dBm	-12.86 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90076 GHz	-36.23 dBm	-11.23 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84277 GHz	-33.91 dBm	-8.91 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81415 GHz	-33.33 dBm	-8.33 dB

Date: 4.SEP.2018 15:48:33

Middle Channel / 64QAM

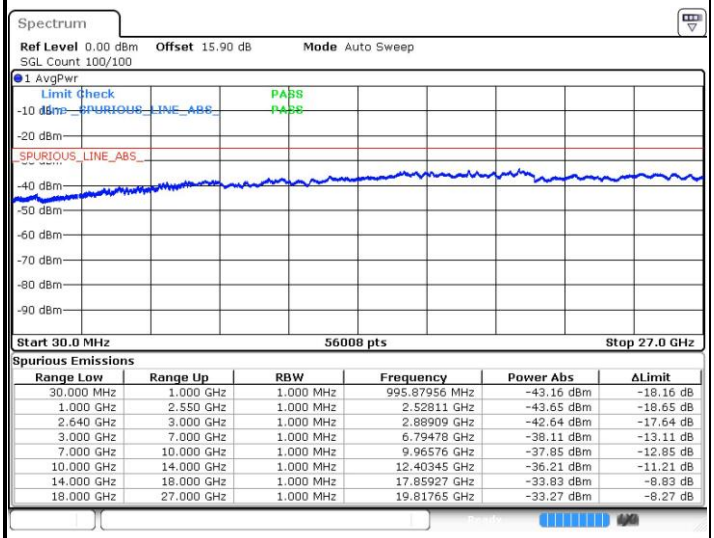


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-43.42 dBm	-18.42 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.46342 GHz	-43.32 dBm	-18.32 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99307 GHz	-42.61 dBm	-17.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78928 GHz	-38.24 dBm	-13.24 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54016 GHz	-37.87 dBm	-12.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42095 GHz	-36.20 dBm	-11.20 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84627 GHz	-33.91 dBm	-8.91 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81465 GHz	-33.02 dBm	-8.02 dB

Date: 4.SEP.2018 15:49:23

Highest Channel / 64QAM



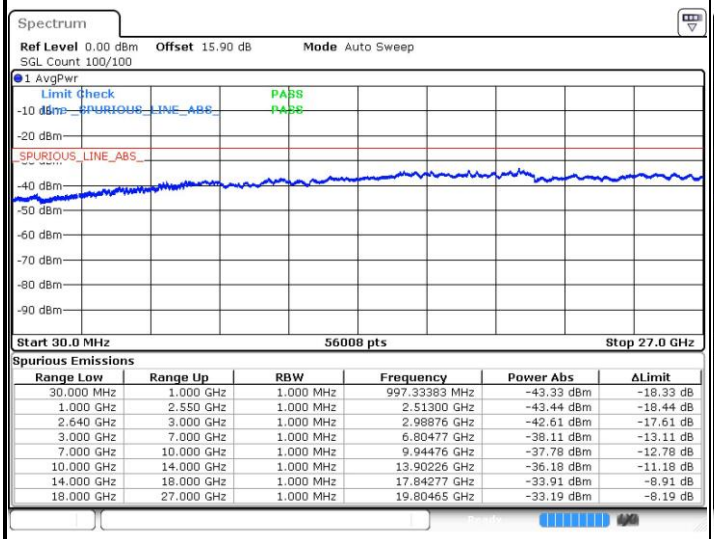
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-43.16 dBm	-18.16 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.52811 GHz	-43.65 dBm	-18.65 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.88909 GHz	-42.64 dBm	-17.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79478 GHz	-38.11 dBm	-13.11 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96576 GHz	-37.85 dBm	-12.85 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.40345 GHz	-36.21 dBm	-11.21 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85927 GHz	-33.83 dBm	-8.83 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81765 GHz	-33.27 dBm	-8.27 dB

Date: 4.SEP.2018 15:50:14

LTE Band 38 / 10MHz

Lowest Channel / 64QAM

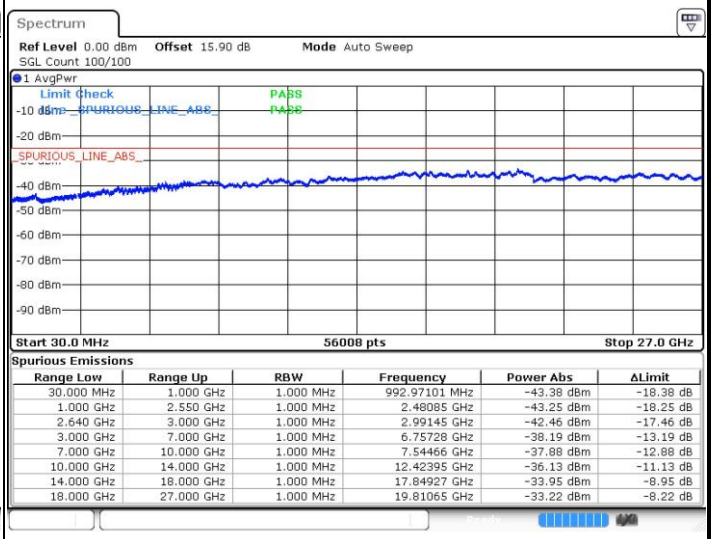


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-43.33 dBm	-18.33 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51300 GHz	-43.44 dBm	-18.44 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98876 GHz	-42.61 dBm	-17.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80477 GHz	-38.11 dBm	-13.11 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94476 GHz	-37.78 dBm	-12.78 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90226 GHz	-36.18 dBm	-11.18 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84277 GHz	-33.91 dBm	-8.91 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80465 GHz	-33.19 dBm	-8.19 dB

Date: 4.SEP.2018 15:51:05

Middle Channel / 64QAM

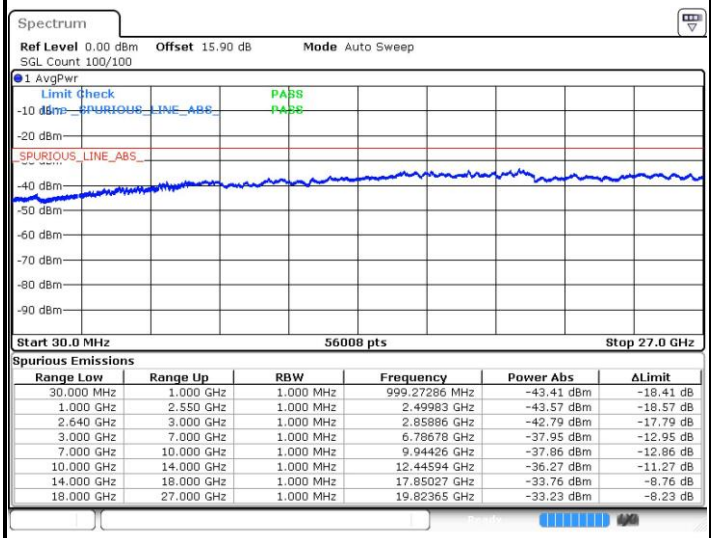


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-43.38 dBm	-18.38 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48085 GHz	-43.25 dBm	-18.25 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99145 GHz	-42.46 dBm	-17.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75728 GHz	-38.19 dBm	-13.19 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54466 GHz	-37.88 dBm	-12.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42395 GHz	-36.13 dBm	-11.13 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84927 GHz	-33.95 dBm	-8.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81065 GHz	-33.22 dBm	-8.22 dB

Date: 4.SEP.2018 15:51:55

Highest Channel / 64QAM



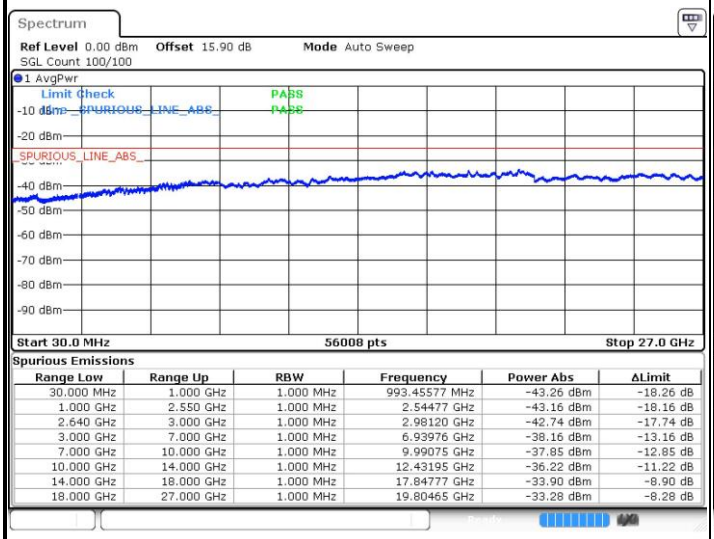
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.27286 MHz	-43.41 dBm	-18.41 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49983 GHz	-43.57 dBm	-18.57 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.85886 GHz	-42.79 dBm	-17.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78678 GHz	-37.95 dBm	-12.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94426 GHz	-37.86 dBm	-12.86 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44594 GHz	-36.27 dBm	-11.27 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85027 GHz	-33.76 dBm	-8.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.82365 GHz	-33.23 dBm	-8.23 dB

Date: 4.SEP.2018 15:52:46

LTE Band 38 / 15MHz

Lowest Channel / 64QAM

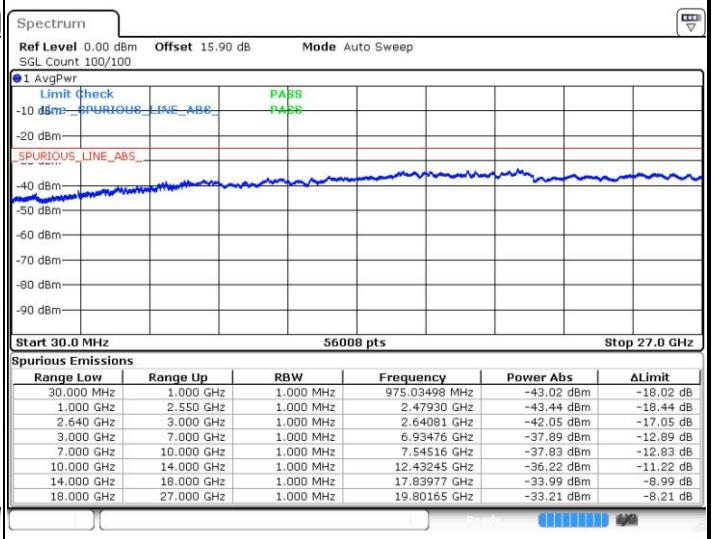


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-43.26 dBm	-18.26 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54477 GHz	-43.16 dBm	-18.16 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98120 GHz	-42.74 dBm	-17.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93976 GHz	-38.16 dBm	-13.16 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99075 GHz	-37.85 dBm	-12.85 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43195 GHz	-36.22 dBm	-11.22 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84777 GHz	-33.90 dBm	-8.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80465 GHz	-33.28 dBm	-8.28 dB

Date: 4.SEP.2018 15:53:37

Middle Channel / 64QAM

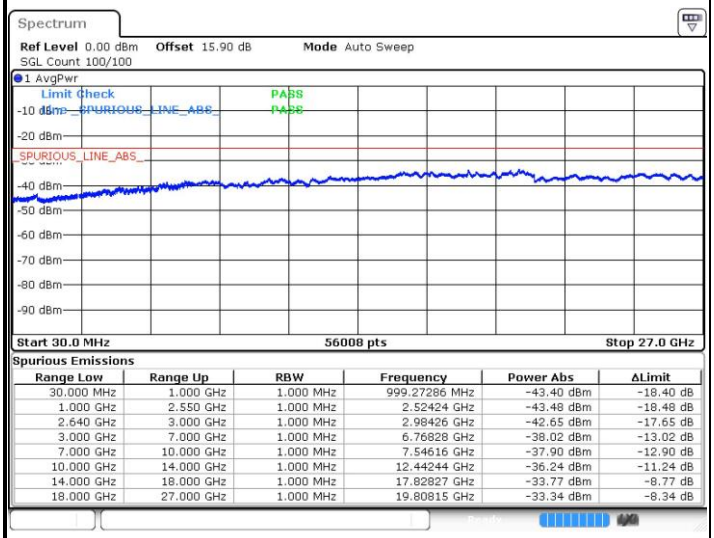


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.03498 MHz	-43.02 dBm	-18.02 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.47930 GHz	-43.44 dBm	-18.44 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64081 GHz	-42.05 dBm	-17.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93476 GHz	-37.89 dBm	-12.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54516 GHz	-37.83 dBm	-12.83 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43245 GHz	-36.22 dBm	-11.22 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83977 GHz	-33.99 dBm	-8.99 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80165 GHz	-33.21 dBm	-8.21 dB

Date: 4.SEP.2018 15:54:27

Highest Channel / 64QAM



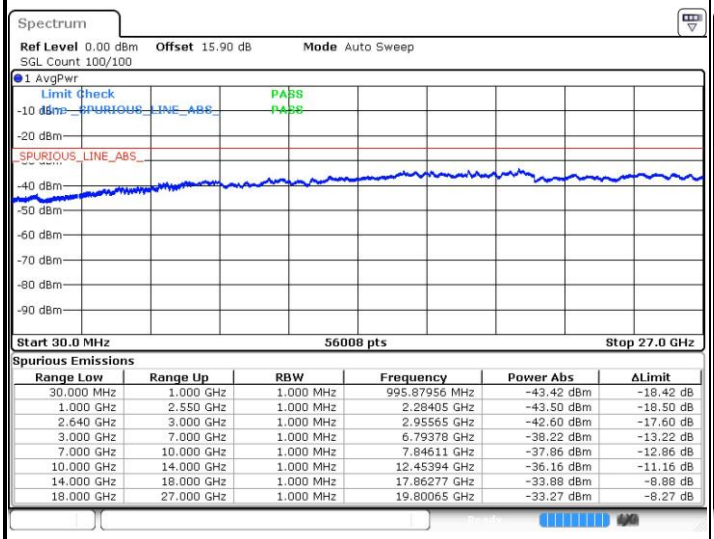
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.27286 MHz	-43.40 dBm	-18.40 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.52424 GHz	-43.48 dBm	-18.48 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98426 GHz	-42.65 dBm	-17.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76828 GHz	-38.02 dBm	-13.02 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54616 GHz	-37.90 dBm	-12.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44244 GHz	-36.24 dBm	-11.24 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.82827 GHz	-33.77 dBm	-8.77 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80815 GHz	-33.34 dBm	-8.34 dB

Date: 4.SEP.2018 15:55:18

LTE Band 38 / 20MHz

Lowest Channel / 64QAM

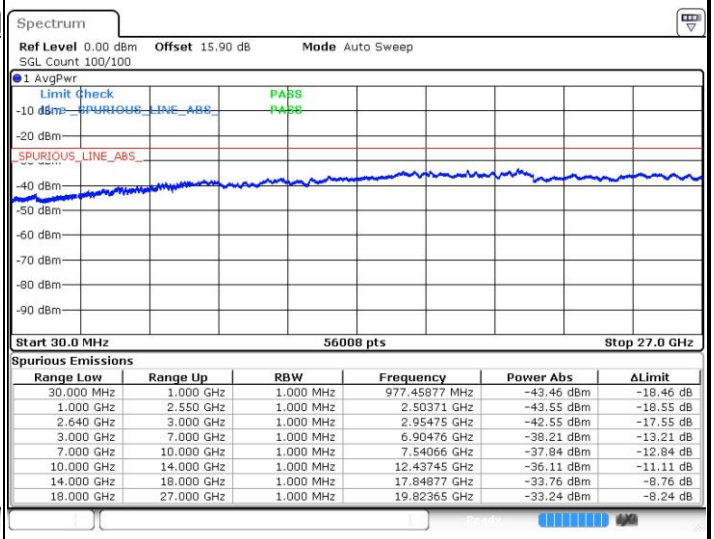


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-43.42 dBm	-18.42 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.28405 GHz	-43.50 dBm	-18.50 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.95565 GHz	-42.60 dBm	-17.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79378 GHz	-38.22 dBm	-13.22 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.84611 GHz	-37.86 dBm	-12.86 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.45394 GHz	-36.16 dBm	-11.16 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.86277 GHz	-33.88 dBm	-8.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80065 GHz	-33.27 dBm	-8.27 dB

Date: 4.SEP.2018 15:56:09

Middle Channel / 64QAM

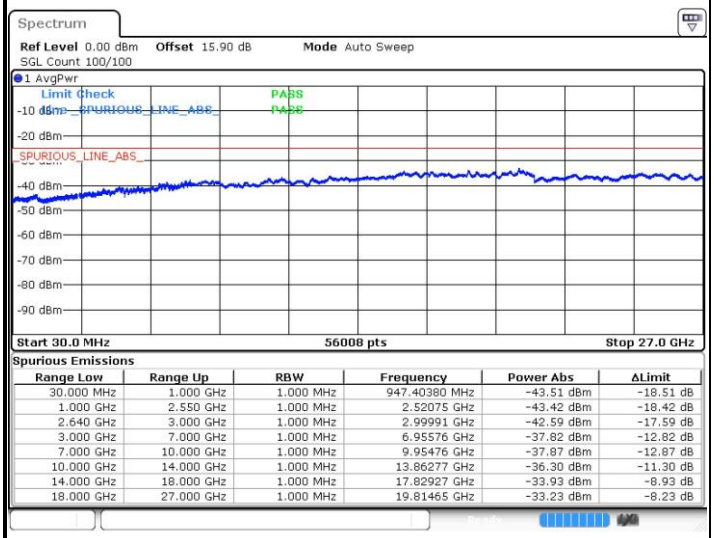


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-43.46 dBm	-18.46 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50371 GHz	-43.55 dBm	-18.55 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.95475 GHz	-42.55 dBm	-17.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90476 GHz	-38.21 dBm	-13.21 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54066 GHz	-37.84 dBm	-12.84 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43745 GHz	-36.11 dBm	-11.11 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84877 GHz	-33.76 dBm	-8.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.82365 GHz	-33.24 dBm	-8.24 dB

Date: 4.SEP.2018 15:56:59

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-43.51 dBm	-18.51 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.52075 GHz	-43.42 dBm	-18.42 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99991 GHz	-42.59 dBm	-17.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95576 GHz	-37.82 dBm	-12.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95476 GHz	-37.87 dBm	-12.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.86277 GHz	-36.30 dBm	-11.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.82927 GHz	-33.93 dBm	-8.93 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81465 GHz	-33.23 dBm	-8.23 dB

Date: 4.SEP.2018 15:57:50

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	0.0060	PASS
40	Normal Voltage	0.0062	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0061	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

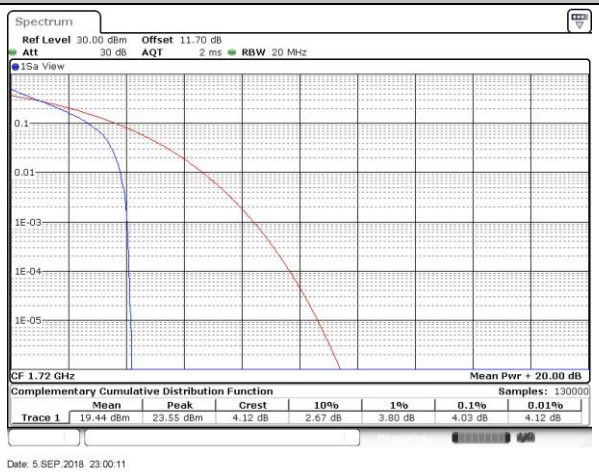
LTE Band 66

Peak-to-Average Ratio

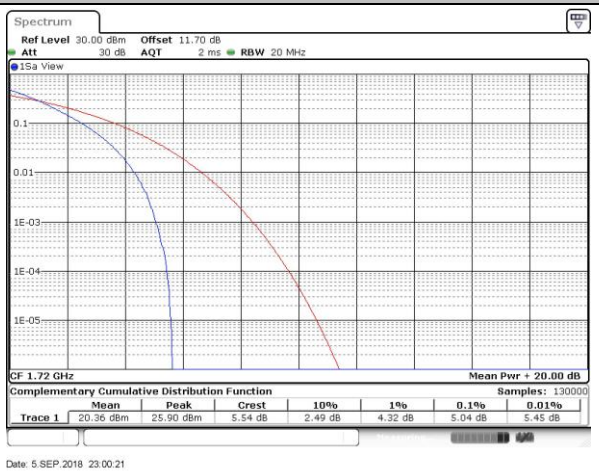
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.03	5.04	5.19	6.09	PASS
Middle CH	4.64	5.13	5.62	6.14	
Highest CH	4.35	4.87	5.45	5.83	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.83	6.52	-	-	PASS
Middle CH	6.12	6.49	-	-	
Highest CH	6.14	6.35	-	-	

LTE Band 66 / 20MHz / QPSK

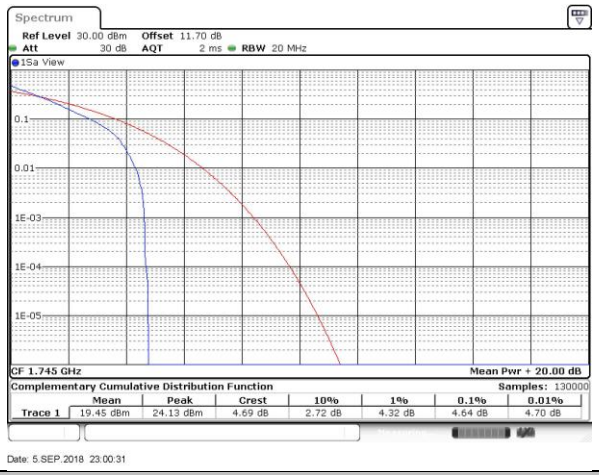
Lowest Channel / 1RB



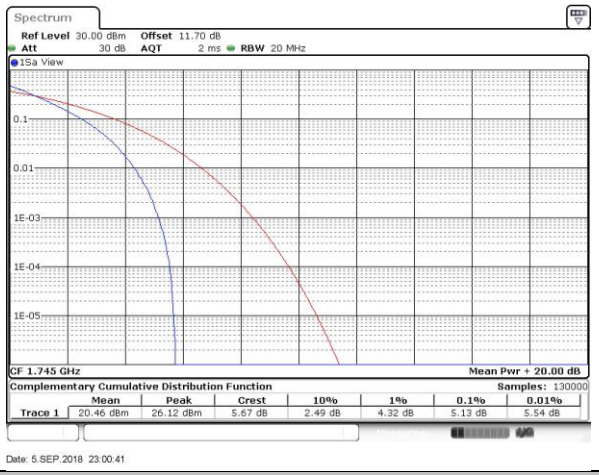
Lowest Channel / Full RB



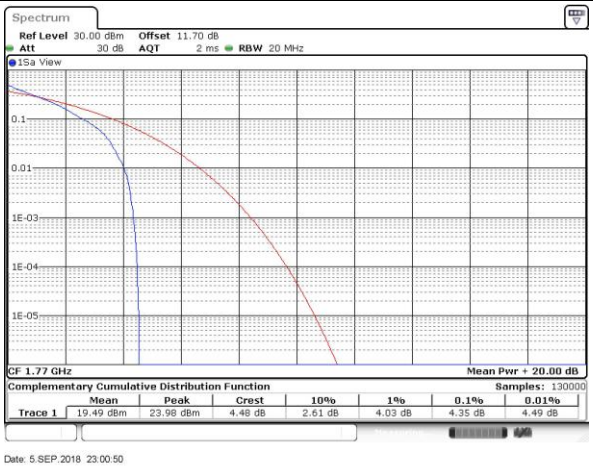
Middle Channel / 1RB



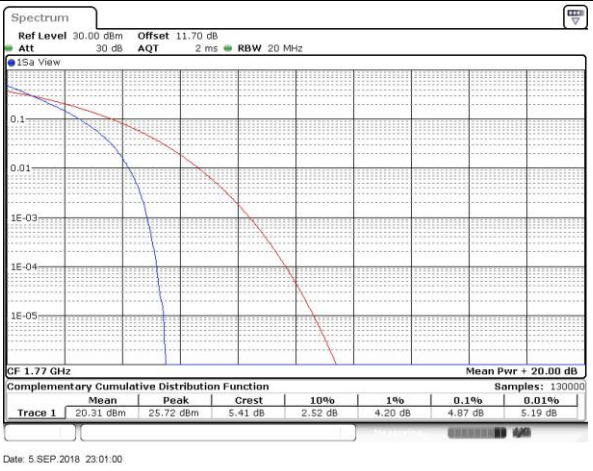
Middle Channel / Full RB



Highest Channel / 1RB

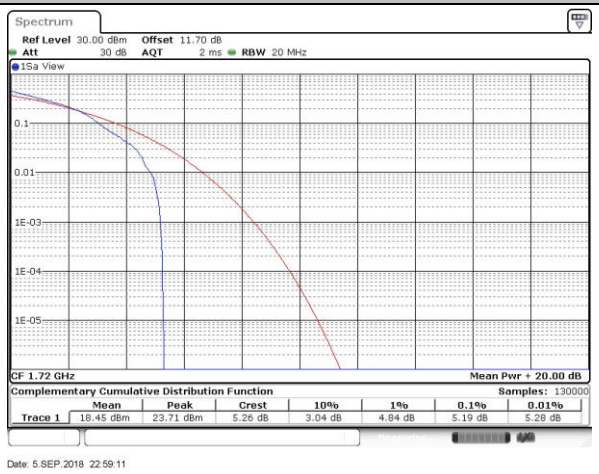


Highest Channel / Full RB

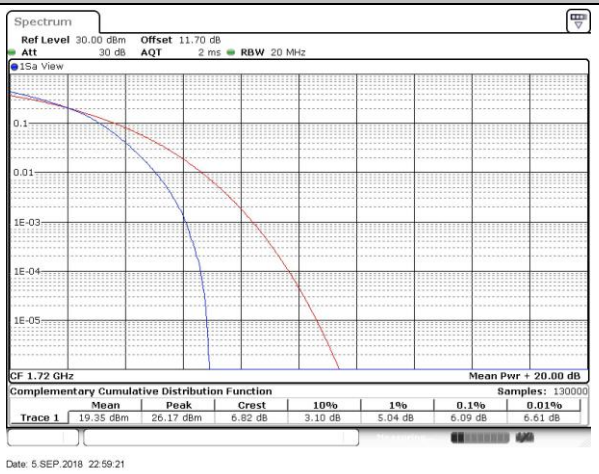


LTE Band 66 / 20MHz / 16QAM

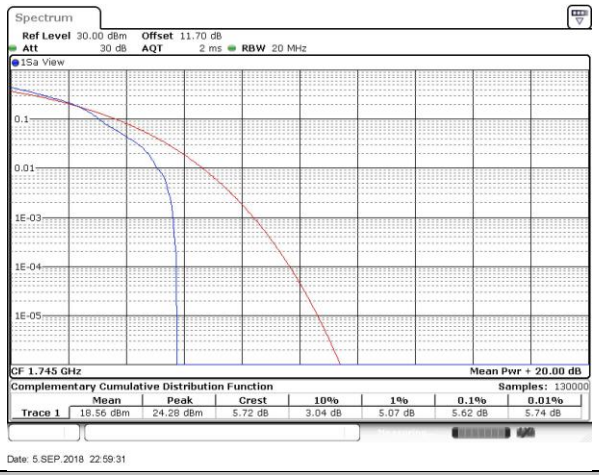
Lowest Channel / 1RB



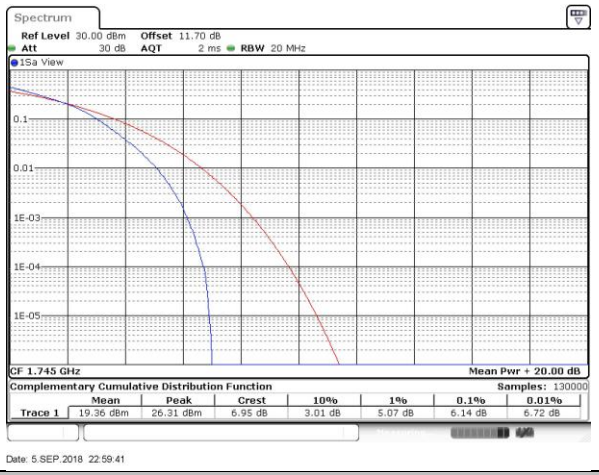
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB

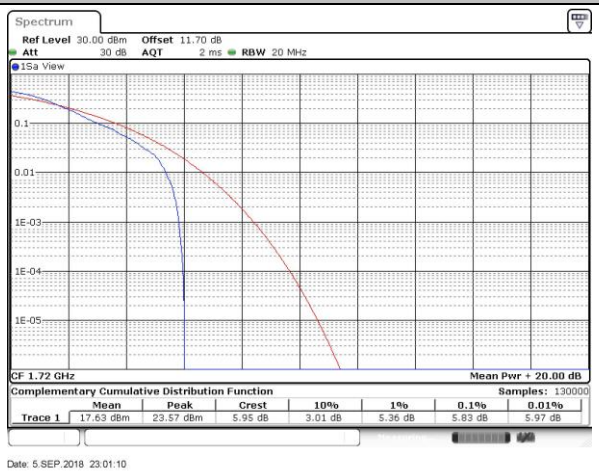


Highest Channel / 1RB

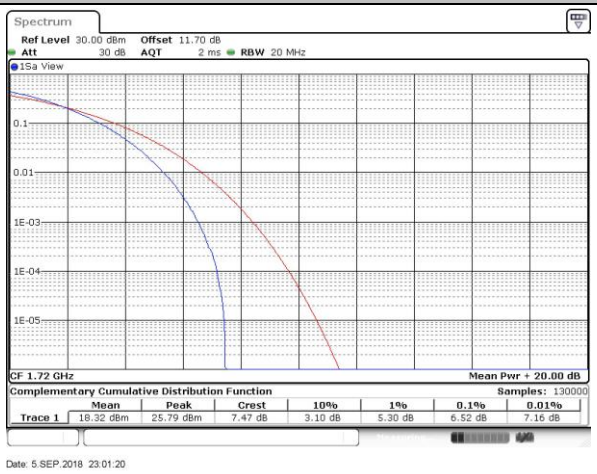
Highest Channel / Full RB

LTE Band 66 / 20MHz / 64QAM

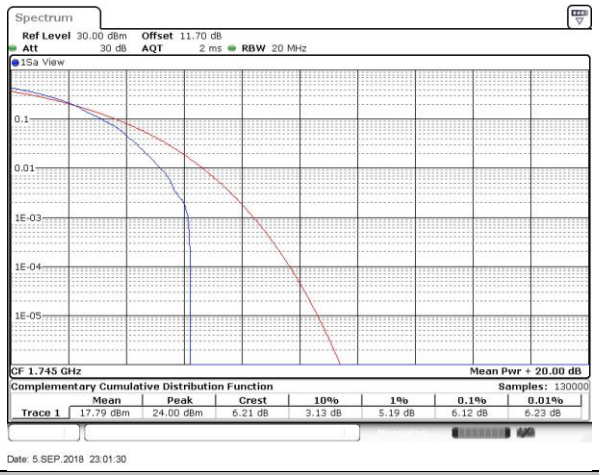
Lowest Channel / 1RB



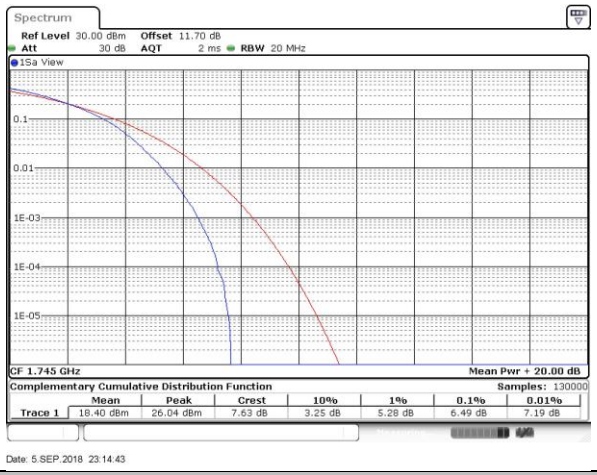
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB

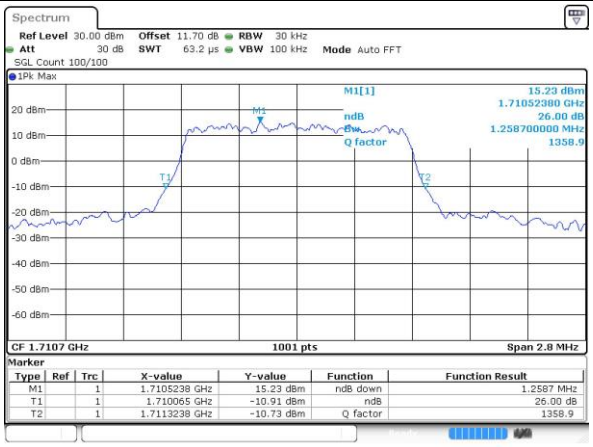
Highest Channel / Full RB

26dB Bandwidth

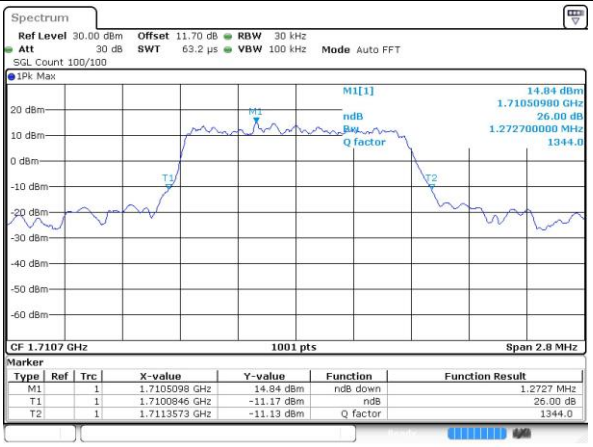
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.27	2.97	2.97	5.18	5.08	9.85	9.79	14.63	14.21	20.30	20.46
Middle CH	1.28	1.29	2.96	2.92	5.02	4.92	9.83	9.89	14.18	14.99	20.06	20.18
Highest CH	1.28	1.26	2.96	3.00	5.14	4.99	10.15	9.99	14.24	14.15	20.18	20.14
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.28	-	2.97	-	5.00	-	10.15	-	14.72	-	20.18	-
Middle CH	1.28	-	2.93	-	4.99	-	10.15	-	14.39	-	20.26	-
Highest CH	1.24	-	2.96	-	5.06	-	9.81	-	14.54	-	20.18	-

LTE Band 66

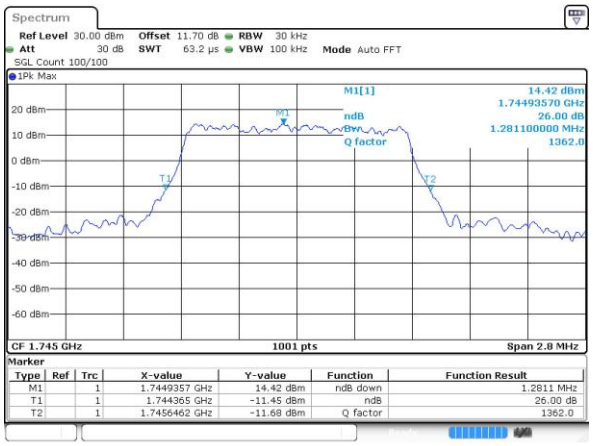
Lowest Channel / 1.4MHz / QPSK



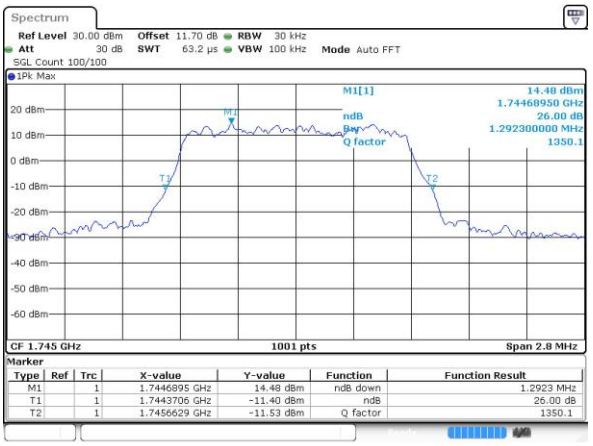
Lowest Channel / 1.4MHz / 16QAM



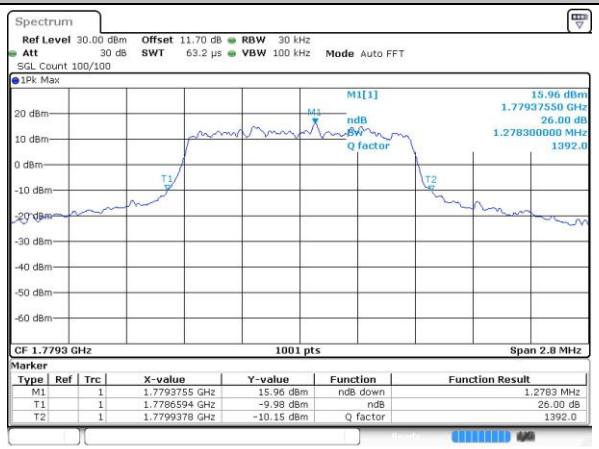
Middle Channel / 1.4MHz / QPSK



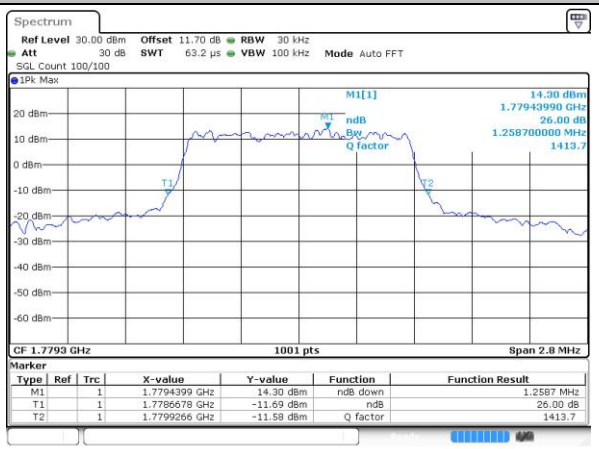
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

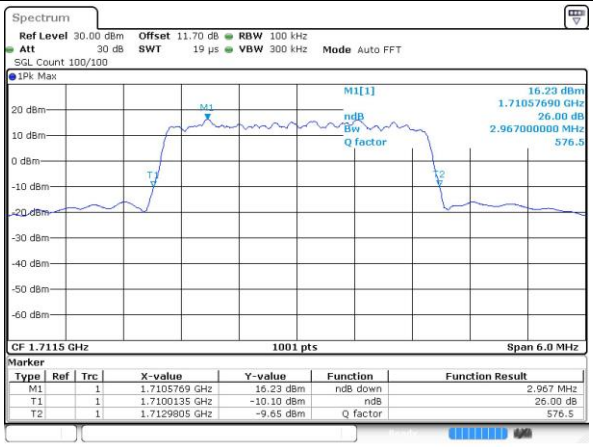


Highest Channel / 1.4MHz / 16QAM

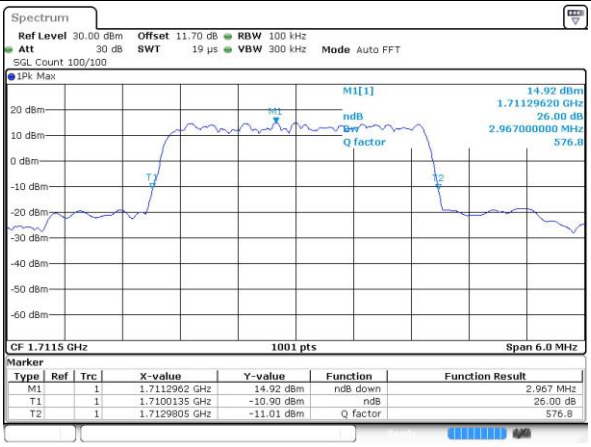


LTE Band 66

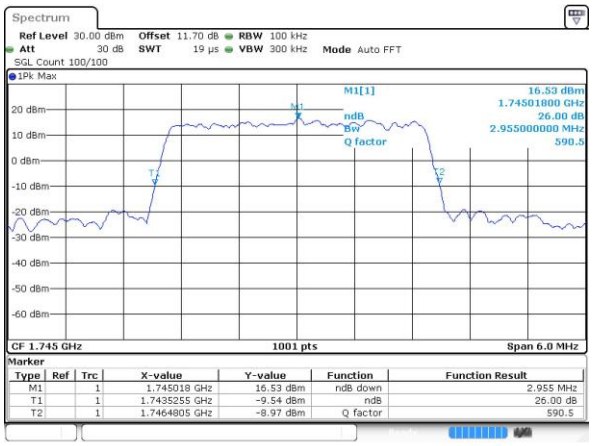
Lowest Channel / 3MHz / QPSK



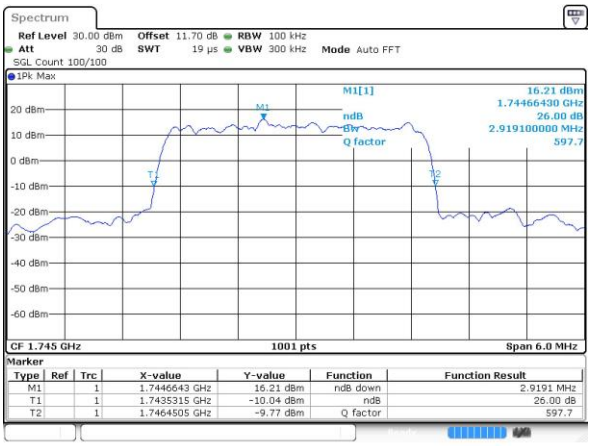
Lowest Channel / 3MHz / 16QAM



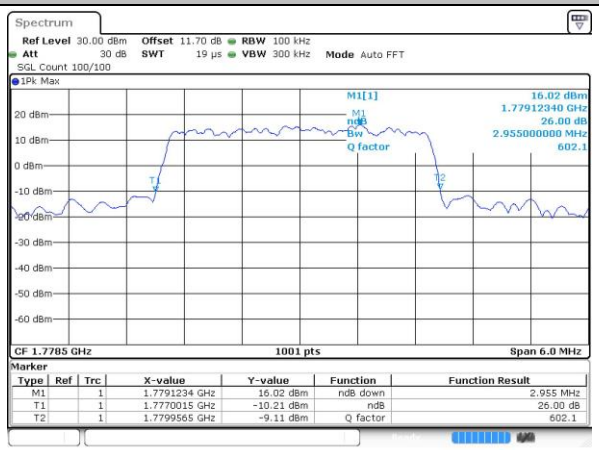
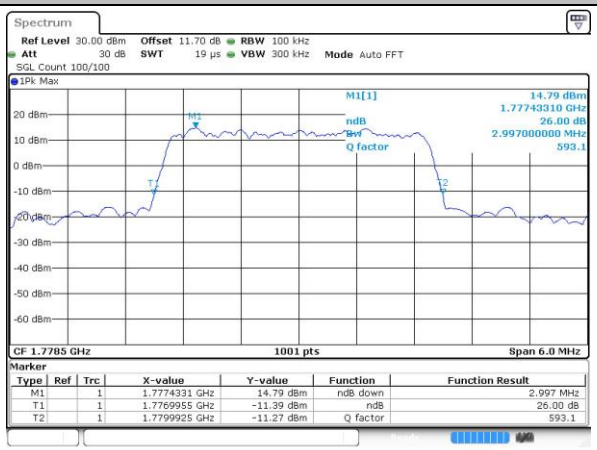
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM